# PROJECT MANUAL

**Family Recreational Area at Northview Heights, AMP-09**

## IFB for Contract No. 600-11-26

GENERAL CONSTRUCTION

ELECTRICAL CONSTRUCTION

PLUMBING CONSTRUCTION

MECHANICAL CONSTRUCTION

**Bids Due**
**March 17, 2026**
**10:00 am**

**Procurement Dept.**
**412 Boulevard of the Allies, 6th Floor**
**Pittsburgh, PA 15219**

**Attn:**
**Mr. Brandon Havranek, Associate Director of Procurement**

**CONSULTANT: Tusick & Associates Architects, Inc.**

Issued: **February 9, 2026**

**Caster D. Binion**
Executive Director

Housing Authority of the City of Pittsburgh

Point of Contact: Brandon.Havranek@hacp.org

**NOTICE TO PROSPECTIVE BIDDERS**

# February 9, 2026

INVITATION FOR BIDS (IFB) **600-11-26**

**Family Recreational Area at Northview Heights, AMP-09**

The HOUSING AUTHORITY OF THE CITY OF PITTSBURGH will receive separate sealed bids for **Family Recreational Area at Northview Heights, AMP-09** ; for the following contracts:

| | |
|---|---|
| GENERAL CONSTRUCTION | PLUMBING CONSTRUCTION |
| ELECTRICAL CONSTRUCTION | MECHANICAL CONSTRUCTION |

The estimated values of the project per contract noted above are in the following ranges:

| | | |
|---|---|---|
| GENERAL CONSTRUCTION | $ 1,500,000.00 | $ 1,700,000.00 |
| ELECTRICAL CONSTRUCTION | $ 120,000.00 | $ 130,000.00 |
| PLUMBING CONSTRUCTION | $ 340,000.00 | $ 380,000.00 |
| MECHANICAL CONSTRUCTION | $ 13,000.00 | $ 14,000.00 |

Bid documents will be available on **February 9, 2026** . A Pre-Bid Conference will be held on **February 24, 2026** at **10:00 am** , at **"Virtual"Meeting ID: 836 3134 8831 Passcode: 839729 +1 301 715 8592 (Washington D.C.)**

Pre-Bid Conference attendence is not mandatory. The meeting may be attended in-person or virtually. Virtual Meeting (check one) is ☑ is not ☐ available. If it is, please find hyperlink to join at the following: https://hacp-org.zoom.us/j/83631348831?pwd=kWp6loeArhdb2MH8zY23DnpIOn0ik6.1

A site visit of the property will be conducted thereafter: Yes ☐ or No ☑

Bidders shall be prepared to review all aspects of the site necessary to prepare a bid. The last day for submission of written questions will be **March 2, 2026** **until** **10:00 am** *Bids will be received either in the lobby of the One Stop Shop at 412 Boulevard of the Allies, Pittsburgh, PA 15219; by USPS mail to 412 Boulevard of the Allies, 6th Floor, Pittsburgh, PA 15219 or by electronic submission at the following:* https://www.dropbox.com/request/sZM7yOEAt2DomJZ9j6nw

***until*** **10:00 am** ***on*** **March 17, 2026** *, regardless of the selected delivery mechanism at which time all bids will be publicly opened and read aloud which may be attended virtually via the following:*

https://hacp-org.zoom.us/j/84194517848?pwd=dhF3mpDaxi7IxDMnCw9C9i45duTptq.1

The title of electronic bid submissions shall be as follows:

**[Full Company Name]_IFB# 600-11-26 _Bid**

In the event the bid file is too large to be uploaded as a single file, add: _Part-1, _Part-2... etc. to the end of the file name. The work must be substantially complete within 284 calendar days of the Notice to Proceed. The point of contact for questions is Mr. Brandon Havranek, Associate Director of Procurement/Contracting Officer who may be reached by email at Brandon.Havranek@hacp.org.

**TO VIEW AND OBTAIN DOCUMENTS**

Bid Documents, including the Bid Forms, Project Manual, and Drawings, may be obtained from the Doing Business Section of the HACP website, www.hacp.org. Prospective Bidders may register as a vendor on the website and download the documents free of charge.

**AWARD OF CONTRACT (S):**

***It is the intention of the Authority to award a contract to the lowest responsive and responsible bidder.***

All bids shall remain open for the period specified in the IFB, which in no case shall be less than sixty (60) calendar days from the bid opening.

All bids of $10,000 or more must be accompanied by a negotiable bid guarantee that shall not be less than 5% of the amount of the bid. No bid guarantee is required for bids under $10,000. In accordance with 2 CFR 200.318(h) formerly 24 CFR Section 85.36(b)(8), the Authority is permitted to make awards only to responsible bidders possessing the ability to perform successfully under the terms and conditions of the proposed contract. Prior to award of any contract, the Authority shall conduct a pre-contract survey. Consideration will be given to such matters as bidder integrity, compliance with public policy, record of past performance, and financial and technical resources.

***All bids must include a completed and signed Form of Agreement (Form 00500) as part of the bid. If the bid is successful and approved by HACP Board of Commissioners (if applicable), HACP will also sign the Form of Agreement thus creating a binding contract.***

The successful bidder will be required to furnish an assurance of completion (performance and payment bond) each equal to 100% of the contract price.

The Authority reserves the right to reject any or all bids or to waive any informality in the bidding.

**BUILD AMERICA, BUY AMERICA (BABA) ACT REQUIREMENTS:**

The Contractor will be required to comply with BABA requirements, including furnishing proof that work and products provided and installed are in full compliance with the Act. More information can be obtained at the following: https://www.hudexchange.info/programs/baba/ which is hereby incorporated by reference.

**EQUAL EMPLOYMENT OPPORTUNITY REQUIREMENTS:**

The Contractor will be required to comply with all applicable Equal Employment Opportunity requirements for Federally-Assisted Construction Contracts. The Contractor must ensure that employees and applicants for employment are not discriminated against because of race, color, religion, sexual preference, handicap or national origin.

**Section 3 Participation**

The work to be performed under this contract is subject to the requirements of Section 3 of the Housing and Urban Development Act of 1968, as amended, 12 U.S.C 1701u and with HUD's regulations set forth at 24 CFR Part 135 ("Section 3"). The purpose of Section 3 is to ensure that employment and other economic opportunities generated by HUD assistance shall be directed to low and very low-income persons, particularly persons who are recipients of HUD assistance for housing.

Please describe ways the Bidder will assist HACP to comply with HUD's Section 3 requirements for hiring HACP residents and/or local disadvantaged individuals and businesses by reviewing the Section 3 Clause and by completing **Document 00433 – Section 3 Form.**

Section 3 of the Housing and Urban Development Act of 1968, as amended (12 U.S.C. 1701, et seq.) (the "Act") requires the Housing Authority of the City of Pittsburgh to ensure that employment and other economic and business opportunities generated by financial assistance from the Department of Housing and Urban Development ("HUD"), to the greatest extent feasible, are directed to public housing residents and other low income persons, particularly recipients of government housing assistance, and business concerns that provide economic opportunities to low and very low income persons.

To comply with the Act HACP requires its contractors to provide equal employment opportunity to all employees and applicants for employment without regard to race, color, religion, sex, national origin, disability, veteran's or marital status, or economic status and to take affirmative action to ensure that both job applicants and existing employees are given fair and equal treatment.

The goal of this policy is to obtain a reasonable level of success in the recruitment, employment, and utilization of HACP residents and other eligible persons and/or businesses by contractors working on contracts partially or wholly funded with HUD monies. HACP shall examine and consider a contractor's potential for success in providing employment and business opportunities to those covered under Section 3 prior to acting on any proposed contract award. In response to any RFP, RFQ or IFB HACP will require submission of the Section 3 Opportunities Plan and roster of current employees, and certification that the bidder will comply with the requirements of Section 3 either by hiring Section 3 employees to directly perform under the contract or by committing a dollar amount to HACP's Section 3 program in an amount consistent with the chart below. Below are the HACP Section 3 Guidelines as listed in the HACP Section 3 Program Manual:

**RESIDENT HIRING REQUIREMENTS / RESIDENT HIRING SCALE**

| **TOTAL LABOR DOLLARS USE TOTAL CONTRACT AMOUNT FOR SERVICE CONTRACTS** | **RESIDENT LABOR AS A % OF TOTAL LABOR** **A.** DOLLARS |
|---|---|
| Labor dollars $25,000 but less than $100,000 | 10% of the labor dollars |
| $100,000, but less than $200,000 | 9% of the labor dollars |
| At least $200,000, but less than $300,000 | 8% of the labor dollars |
| At least $300,000, but less than $400,000 | 7% of the labor dollars |
| At least $400,000, but less than $500,000 | 6% of the labor dollars |
| At least $500,000, but less than $1 million | 5% of the labor dollars |
| At least $1 million, but less than $2 million | 4% of the labor dollars |
| At least $2 million, but less than $4 million | 3% of the labor dollars |
| At least $4 million, but less than $7 million | 2% of the labor dollars |
| $7 million or more | ½ to 1 % of the labor dollars |

***A copy of HACP's Section 3 Program Manual is available for download at www.hacp.org*

A copy of HUD's Section 3 requirement is provided herein. If you have any questions regarding the Section 3 Requirements or would like to discuss goals and planning for Section 3 Requirements please contact Mr. Lloyd Wilson, Resident Sustainability Manager, by e-mail at lloyd.wilson@hacp.org or by contacting him at the Housing Authority of the City of Pittsburgh, Resident Employment Program located at the Bedford Envision Center, 2305 Bedford Ave, Pittsburgh PA 15219, telephone (412) 643-2761. Proposals must demonstrate how the Offeror intends to meet or exceed the Authority's Section 3 requirements. Also, please complete **Section 3 Opportunities Plan** and include with your bid.

**Any bid or proposal received from a contractor that does not contain a Section 3 Opportunities Plan or certification and back-up documentation acceptable to HACP shall be deemed non-responsive by HACP.**

**MBE/WBE Participation Plan**

*HACP MBE and WBE Goals*. It is the policy of HACP to ensure that Minority Business Enterprises (MBEs) and Women-owned Businesses (WBEs) are provided maximum opportunity to participate in contracts let by HACP. In accordance with Executive Order 11625, HACP has established a minimum threshold of eighteen percent (18%) of the total dollar amount for MBE utilization in this contract. HACP has established a seven percent (7%) minimum threshold for participation of WBEs, and, HACP strongly encourages and affirmatively promotes the use of MBEs and WBEs in all HACP contracts. For these purposes, an MBE is defined as "any legal entity other than a joint venture, organized to engage in commercial transactions, that is at least fifty-one percent (51%) owned and controlled by one or more minority persons." Also, a minority person is defined as a member of a socially or economically disadvantaged minority group, which includes African-Americans, Hispanic-Americans, Native-Americans, and Asian-Americans. A WBE/MBE is defined as "any legal entity other than a joint venture, organized to engage in commercial transactions, that is at least fifty-one percent (51%) owned and controlled by a female.

**Bids or proposals submitted in response to this solicitation MUST include an MBE/WBE participation plan which, at a minimum demonstrates "Best Efforts" have been taken to achieve compliance with MBE/WBE goals. HACP's Procurement Policy defines "Best Efforts" in compliance with MBE/WBE goals to mean that the contractor must certify and document with its bid or proposal that it has contacted in writing at least ten (10) certified MBE and ten (10) certified WBE subcontractors to participate in the proposed contract with or lesser number if the contractor provides documentation that ten (10) certified MBE/WBE contractors could not be identified. Each contractor shall certify as to same under penalty of perjury and shall submit the back-up documentation with its bid or proposal. Any bid or proposal received from a contractor that does not contain such certification and back-up documentation acceptable to HACP may be deemed non-responsive by HACP.**

If you have any questions regarding the HACP MBE/WBE goals please contact Mr. Rick Williams, Vendor Manager by email ricardo.williams@hacp.org or by contacting him at the Procurement Department, Housing Authority of the City of Pittsburgh, 412 Boulevard of the Allies, Pittsburgh PA 15219, or by telephone (412) 643-2768. Bids or proposals must demonstrate how the Offeror intends to meet or exceed these goals.

The Authority's Minority and Woman Business (MBE/WBE) participation goals are as follows:

-- MBE Goal: 18%
-- WBE Goal: 7%

Additionally, please be advised that participation credit will be applied in accordance with the following classifications, as follows:

| | |
|---|---|
| -- Broker: | 10% of contract face value |
| -- Supplier: | 60% of contract face value |
| -- Bona Fide Contractor: | 100% of contract face value |
| -- All Professional Service Firms: | 100% of contract face value |

Vendor definitions for the above classifications are to be referenced in either the respective vendor MBE/WBE certifications or as defined in 49 CFR Part 26.

Please describe ways the Bidder will utilize MBE/WBE businesses to meet the goals above by completing **Document 00434 – MBE/WBE Solicitation & Commitment Record**.

Caster D. Binion
Executive Director
Housing Authority of the City of Pittsburgh

# SPECIAL PROVISIONS

## NOTICE TO ALL PROSPECTIVE BIDDERS

**Family Recreational Area at Northview Heights, AMP-09**

**CONTRACT NO.** 600-11-26

Each successful bidder(s) shall be required to comply with the following special provisions:

**A. Required Documents/Information**

After bid opening and determination of the responsive and responsible bidder, but prior to Notice to Proceed each successful bidder for this project shall provide the following documents/information to HACP within ten (10) business days of receiving written notice thereof:

(1) Insurance
(2) Payment and Performance Bonds
(3) Construction Schedule
(4) Submittal Log and Corresponding Submittals

Please accept these special provisions by completing the information requested below:

Signature of Authorized Officer: _____ Date: _____

Name of Contractor: _____

Address: _____

Telephone Number: _____

**Family Recreational Area at Northview Heights, AMP-09**

# IFB CONTRACT NO. 600-11-26

HOUSING AUTHORITY OF THE CITY OF PITTSBURGH
PROCUREMENT DEPARTMENT
412 Boulevard of the Allies, 6th Floor
Pittsburgh, PA 15219
Phone: (412) 456-5116

Issued: February 9, 2026

HOUSING AUTHORITY OF THE CITY OF PITTSBURGH

**Family Recreational Area at Northview Heights, AMP-09**

HACP Contract No. 600-11-26

# PROJECT MANUAL
# TABLE OF CONTENTS


| | | |
|---|---|---|
| | Document 00020 | Notice to Prospective Bidders |
| | Document 00021 | Special Provisions |
| **INTRODUCTORY PAGES** | | |
| | Document 00001 | Title Page |
| | Document 00003 | Table of Contents |
| | Document 00004 | IFB List of Documents |
| **PART ONE: BIDDING REQUIREMENTS** | | |
| *Pre-Bid Information* | Document 00090 | Identification of Owner |
| *Instructions To Bidders* | HUD 5369 | Instructions to Bidders for Contracts |
| | Document 00130 | Pre-Bid Conference |
| *Information Available To Bidders* | Document 00210 | Project Schedule |
| **PART TWO: CONTRACT FORMS** | | |
| *Bid Forms* | Document 00310 | Scope of Work for General Construction |
| | Document 00311 | Form of Bid for General Construction |
| | Document 00320 | Scope of Work for Electrical Construction |
| | Document 00321 | Form of Bid for Electrical Construction |
| | Document 00330 | Scope of Work for Plumbing Construction |
| | Document 00331 | Form of Bid for Plumbing Construction |
| | Document 00340 | Scope of Work for HVAC Construction |
| | Document 00341 | Form of Bid for HVAC Construction |
| *Supplements To Bid Forms* | Document 00410 | Bid Bond |
| | Document 00420 | Statement of Bidder's Qualifications |
| | Document 00433 | Section 3 Opportunities Plan |
| | Document 00434 | MBE/WBE Solicitation & Commitment Record |
| | Document 00435 | Bidder Manpower |
| | Document 00436 | Previous Related Experience |
| | HUD 5369-A | Representations, Certifications and Other Statements of Bidders |
| | HUD-2530 | Previous Participation Certificate |
| | Document 00437 | Special Provisions – Notice to All Prospective Bidders |
| | Document 00485 | Non-Collusion Affidavit |

| | | |
|---|---|---|
| *Agreement* | Document 00500 | Form of Agreement |
| *Forms* | Document 00590 | Contracting Officer Certification |
| *Bonds and* | Document 00610 | Performance Bond |
| *Certificates* | Document 00620 | Payment Bond |

**PART THREE: CONDITIONS**

| | | |
|---|---|---|
| *Conditions* | HUD 5370 | General Conditions of the Contract for Construction |
| *of the* | HACP Document | Supplemental General Conditions |
| *Contract* | Document 00830 | Wage Determination Schedule |

**PART FOUR: TECHNICAL SPECIFICATIONS AND DRAWINGS**


**END OF TABLE OF CONTENTS**

# HOUSING AUTHORITY OF THE CITY OF PITTSBURGH

**Family Recreational Area at Northview Heights, AMP-09**

## HACP CONTRACT NO. 600-11-26

**INVITATION FOR BIDS**
**LIST OF DOCUMENTS**

The HOUSING AUTHORITY OF THE CITY OF PITTSBURGH will receive separate sealed bids for Family Recreational Area at Northview Heights, AMP-09, for the following contracts:

GENERAL CONSTRUCTION
ELECTRICAL CONSTRUCTION
PLUMBING CONSTRUCTION
MECHANICAL CONSTRUCTION

A complete **Invitation for Bids (IFB)** consists of the following documents:

**THE PROJECT MANUAL**, **dated** February 9, 2026 consisting of:

Bidding Requirements, Contract Forms, Conditions of the Contract, Wage Determination, and the Specifications.

**THE PROJECT DRAWINGS**, as prepared by **Tusick & Associates Architects, Inc.**, **dated February 23, 2024**.

A complete **BID** consists of the following set of Bid Documents:

Blank bid document forms to be completed by the bidder;

- Form of Bid (Series 00300 Document)
- Bid Security (Doc. 00410 or other as per HUD 5369)
- Special Provisions - Notice to All Prospective Bidders Form (00021)
- Statement of Bidder's Qualifications (Doc. 00420)
- Section 3 Participation Form (Doc. 00433)
- MBE/WBE Solicitation & Commitment Record (Doc. 00434)
- Bidder's Manpower Form (Doc. 00435)
- Previous Related Experience Form (00436)
- Representation, Certifications and Other Statements of Bidders (HUD 5369-A)
- Previous Participation Certificate (HUD 2530)
- Special Provisions - Notice to All Prospective Bidders Form (00437)
- Non-Collusion Affidavit (Doc. 00485)
- Form of Agreement (Doc. 00500)
- Supplemental General Conditions
- Wage Determination (Doc. 000830)

**ADDENDA** will be issued as required.

HOUSING AUTHORITY OF THE CITY OF PITTSBURGH

# IDENTIFICATION OF OWNER

**The Owner of this project is the Housing Authority of the City of Pittsburgh, a body corporate and politic and created pursuant to the "Housing Authorities Law," an Act passed by the 1937 session of the Legislature of the Commonwealth of Pennsylvania, P.L. 955, approved May 28, 1937, hereinafter variously called the "Housing Authority of the City of Pittsburgh" (HACP), "The Authority," the "Local Housing Authority" (LHA), the "Public Housing Authority" (PHA), or the "Public Housing Authority/Indian Housing Authority" (PHA/IHA).**

**Caster D. Binion**
**Executive Director**
**Housing Authority of the City of Pittsburgh**

**James D. Harris**
**General Counsel**
**Housing Authority of the City of Pittsburgh**

**Dereen M. Neice**
**Senior Director of Procurement**
**Housing Authority of the City of Pittsburgh**

**Brandon Havranek**
**Associate Director of Procurement**
**Housing Authority of the City of Pittsburgh**

**U.S. Department of Housing and Urban Development**
Office of Public and Indian Housing

# Instructions to Bidders for Contracts Public and Indian Housing Programs

# Instructions to Bidders for Contracts

Public and Indian Housing Programs

**Table of Contents**


| Clause | | Page |
|---|---|---|
| 1. | Bid Preparation and Submission | 1 |
| 2. | Explanations and Interpretations to Prospective Bidders | 1 |
| 3. | Amendments to Invitations for Bids | 1 |
| 4. | Responsibility of Prospective Contractor | 1 |
| 5. | Late Submissions, Modifications, and Withdrawal of Bids | 1 |
| 6. | Bid Opening | 2 |
| 7. | Service of Protest | 2 |
| 8. | Contract Award | 2 |
| 9. | Bid Guarantee | 3 |
| 10. | Assurance of Completion | 3 |
| 11. | Preconstruction Conference | 3 |
| 12. | Indian Preference Requirements | 3 |


## 1. Bid Preparation and Submission

(a) Bidders are expected to examine the specifications, drawings, all instructions, and, if applicable, the construction site (see also the contract clause entitled **Site Investigation and Conditions Affecting the Work** of the *General Conditions of the Contract for Construction*). Failure to do so will be at the bidders' risk.

(b) All bids must be submitted on the forms provided by the Public Housing Agency/Indian Housing Authority (PHA/IHA). Bidders shall furnish all the information required by the solicitation. Bids must be signed and the bidder's name typed or printed on the bid sheet and each continuation sheet which requires the entry of information by the bidder. Erasures or other changes must be initialed by the person signing the bid. Bids signed by an agent shall be accompanied by evidence of that agent's authority. (Bidders should retain a copy of their bid for their records.)

(c) Bidders must submit as part of their bid a completed form HUD-5369-A, "Representations, Certifications, and Other Statements of Bidders."

(d) All bid documents shall be sealed in an envelope which shall be clearly marked with the words "Bid Documents," the Invitation for Bids (IFB) number, any project or other identifying number, the bidder's name, and the date and time for receipt of bids.

(e) If this solicitation requires bidding on all items, failure to do so will disqualify the bid. If bidding on all items is not required, bidders should insert the words "No Bid" in the space provided for any item on which no price is submitted.

(f) Unless expressly authorized elsewhere in this solicitation, alternate bids will not be considered.

(g) Unless expressly authorized elsewhere in this solicitation, bids submitted by telegraph or facsimile (fax) machines will not be considered.

(h) If the proposed contract is for a Mutual Help project (as described in 24 CFR Part 905, Subpart E) that involves Mutual Help contributions of work, material, or equipment, supplemental information regarding the bid advertisement is provided as an attachment to this solicitation.

## 2. Explanations and Interpretations to Prospective Bidders

(a) Any prospective bidder desiring an explanation or interpretation of the solicitation, specifications, drawings, etc., must request it at least 7 days before the scheduled time for bid opening. Requests may be oral or written. Oral requests must be confirmed in writing. The only oral clarifications that will be provided will be those clearly related to solicitation procedures, i.e., not substantive technical information. No other oral explanation or interpretation will be provided. Any information given a prospective bidder concerning this solicitation will be furnished promptly to all other prospective bidders as a written amendment to the solicitation, if that information is necessary in submitting bids, or if the lack of it would be prejudicial to other prospective bidders.

(b) Any information obtained by, or provided to, a bidder other than by formal amendment to the solicitation shall not constitute a change to the solicitation.

## 3. Amendments to Invitations for Bids

(a) If this solicitation is amended, then all terms and conditions which are not modified remain unchanged.

(b) Bidders shall acknowledge receipt of any amendment to this solicitation (1) by signing and returning the amendment, (2) by identifying the amendment number and date on the bid form, or (3) by letter, telegram, or facsimile, if those methods are authorized in the solicitation. The PHA/IHA must receive acknowledgement by the time and at the place specified for receipt of bids. Bids which fail to acknowledge the bidder's receipt of any amendment will result in the rejection of the bid if the amendment(s) contained information which substantively changed the PHA's/IHA's requirements.

(c) Amendments will be on file in the offices of the PHA/IHA and the Architect at least 7 days before bid opening.

## 4. Responsibility of Prospective Contractor

(a) The PHA/IHA will award contracts only to responsible prospective contractors who have the ability to perform successfully under the terms and conditions of the proposed contract. In determining the responsibility of a bidder, the PHA/IHA will consider such matters as the bidder's:

(1) Integrity;

(2) Compliance with public policy;

(3) Record of past performance; and

(4) Financial and technical resources (including construction and technical equipment).

(b) Before a bid is considered for award, the bidder may be requested by the PHA/IHA to submit a statement or other documentation regarding any of the items in paragraph (a) above. Failure by the bidder to provide such additional information shall render the bidder nonresponsible and ineligible for award.

## 5. Late Submissions, Modifications, and Withdrawal of Bids

(a) Any bid received at the place designated in the solicitation after the exact time specified for receipt will not be considered unless it is received before award is made and it:

(1) Was sent by registered or certified mail not later than the fifth calendar day before the date specified for receipt of offers (e.g., an offer submitted in response to a solicitation requiring receipt of offers by the 20th of the month must have been mailed by the 15th);

(2) Was sent by mail, or if authorized by the solicitation, was sent by telegram or via facsimile, and it is determined by the PHA/IHA that the late receipt was due solely to mishandling by the PHA/IHA after receipt at the PHA/IHA; or

(3) Was sent by U.S. Postal Service Express Mail Next Day Service - Post Office to Addressee, not later than 5:00 p.m. at the place of mailing two working days prior to the date specified for receipt of proposals. The term "working days" excludes weekends and observed holidays.

(b) Any modification or withdrawal of a bid is subject to the same conditions as in paragraph (a) of this provision.

(c) The only acceptable evidence to establish the date of mailing of a late bid, modification, or withdrawal sent either by registered or certified mail is the U.S. or Canadian Postal Service postmark both on the envelope or wrapper and on the original receipt from the U.S. or Canadian Postal Service. Both postmarks must show a legible date or the bid, modification, or withdrawal shall be processed as if mailed late. "Postmark" means a printed, stamped, or otherwise placed impression (exclusive of a postage meter machine impression) that is readily identifiable without further action as having been supplied and affixed by employees of the U.S. or Canadian Postal Service on the date of mailing. Therefore, bidders should request the postal clerk to place a hand cancellation bull's-eye postmark on both the receipt and the envelope or wrapper.

(d) The only acceptable evidence to establish the time of receipt at the PHA/IHA is the time/date stamp of PHA/IHA on the proposal wrapper or other documentary evidence of receipt maintained by the PHA/IHA.

(e) The only acceptable evidence to establish the date of mailing of a late bid, modification, or withdrawal sent by Express Mail Next Day Service-Post Office to Addressee is the date entered by the post office receiving clerk on the "Express Mail Next Day Service-Post Office to Addressee" label and the postmark on both the envelope or wrapper and on the original receipt from the U.S. Postal Service. "Postmark" has the same meaning as defined in paragraph (c) of this provision, excluding postmarks of the Canadian Postal Service. Therefore, bidders should request the postal clerk to place a legible hand cancellation bull's eye postmark on both the receipt and Failure by a bidder to acknowledge receipt of the envelope or wrapper.

(f) Notwithstanding paragraph (a) of this provision, a late modification of an otherwise successful bid that makes its terms more favorable to the PHA/IHA will be considered at any time it is received and may be accepted.

(g) Bids may be withdrawn by written notice, or if authorized by this solicitation, by telegram (including mailgram) or facsimile machine transmission received at any time before the exact time set for opening of bids; provided that written confirmation of telegraphic or facsimile withdrawals over the signature of the bidder is mailed and postmarked prior to the specified bid opening time. A bid may be withdrawn in person by a bidder or its authorized representative if, before the exact time set for opening of bids, the identity of the person requesting withdrawal is established and the person signs a receipt for the bid.

## 6. Bid Opening

All bids received by the date and time of receipt specified in the solicitation will be publicly opened and read. The time and place of opening will be as specified in the solicitation. Bidders and other interested persons may be present.

## 7. Service of Protest

(a) Definitions. As used in this provision:

"Interested party" means an actual or prospective bidder whose direct economic interest would be affected by the award of the contract.

"Protest" means a written objection by an interested party to this solicitation or to a proposed or actual award of a contract pursuant to this solicitation.

(b) Protests shall be served on the Contracting Officer by obtaining written and dated acknowledgement from —

Contracting Officer
Legal Department
Housing Authority of the City of Pittsburgh
412 Boulevard of the Allies, 5th Floor
Pittsburgh, PA 15219

[Contracting Officer designate the official or location where a protest may be served on the Contracting Officer]

(c) All protests shall be resolved in accordance with the PHA's/IHA's protest policy and procedures, copies of which are maintained at the PHA/IHA.

## 8. Contract Award

(a) The PHA/IHA will evaluate bids in response to this solicitation without discussions and will award a contract to the responsible bidder whose bid, conforming to the solicitation, will be most advantageous to the PHA/IHA considering only price and any price-related factors specified in the solicitation.

(b) If the apparent low bid received in response to this solicitation exceeds the PHA's/IHA's available funding for the proposed contract work, the PHA/IHA may either accept separately priced items (see 8(e) below) or use the following procedure to determine contract award. The PHA/IHA shall apply in turn to each bid (proceeding in order from the apparent low bid to the high bid) each of the separately priced bid deductible items, if any, in their priority order set forth in this solicitation. If upon the application of the first deductible item to all initial bids, a new low bid is within the PHA's/IHA's available funding, then award shall be made to that bidder. If no bid is within the available funding amount, then the PHA/IHA shall apply the second deductible item. The PHA/IHA shall continue this process until an evaluated low bid, if any, is within the PHA's/IHA's available funding. If upon the application of all deductibles, no bid is within the PHA's/IHA's available funding, or if the solicitation does not request separately priced deductibles, the PHA/IHA shall follow its written policy and procedures in making any award under this solicitation.

(c) In the case of tie low bids, award shall be made in accordance with the PHA's/IHA's written policy and procedures.

(d) The PHA/IHA may reject any and all bids, accept other than the lowest bid (e.g., the apparent low bid is unreasonably low), and waive informalities or minor irregularities in bids received, in accordance with the PHA's/IHA's written policy and procedures.

(e) Unless precluded elsewhere in the solicitation, the PHA/IHA may accept any item or combination of items bid.

(f) The PHA/IHA may reject any bid as nonresponsive if it is materially unbalanced as to the prices for the various items of work to be performed. A bid is materially unbalanced when it is based on prices significantly less than cost for some work and prices which are significantly overstated for other work.

(g) A written award shall be furnished to the successful bidder within the period for acceptance specified in the bid and shall result in a binding contract without further action by either party.

**9. Bid Guarantee** (applicable to construction and equipment contracts exceeding $25,000)

All bids must be accompanied by a negotiable bid guarantee which shall not be less than five percent (5%) of the amount of the bid. The bid guarantee may be a certified check, bank draft, U.S. Government Bonds at par value, or a bid bond secured by a surety company acceptable to the U.S. Government and authorized to do business in the state where the work is to be performed. In the case where the work under the contract will be performed on an Indian reservation area, the bid guarantee may also be an irrevocable Letter of Credit (see provision 10, Assurance of Completion, below). Certified checks and bank drafts must be made payable to the order of the PHA/IHA. The bid guarantee shall insure the execution of the contract and the furnishing of a method of assurance of completion by the successful bidder as required by the solicitation. Failure to submit a bid guarantee with the bid shall result in the rejection of the bid. Bid guarantees submitted by unsuccessful bidders will be returned as soon as practicable after bid opening.

**10. Assurance of Completion**

(a) Unless otherwise provided in State law, the successful bidder shall furnish an assurance of completion prior to the execution of any contract under this solicitation. This assurance may be [Contracting Officer check applicable items] —

[X] (1) a performance and payment bond in a penal sum of 100 percent of the contract price; or, as may be required or permitted by State law;

[ ] (2) separate performance and payment bonds, each for 50 percent or more of the contract price;

[ ] (3) a 20 percent cash escrow;

[ ] (4) a 25 percent irrevocable letter of credit; or,

[ ] (5) an irrevocable letter of credit for 10 percent of the total contract price with a monitoring and disbursements agreement with the IHA (applicable only to contracts awarded by an IHA under the Indian Housing Program).

(b) Bonds must be obtained from guarantee or surety companies acceptable to the U.S. Government and authorized to do business in the state where the work is to be performed. Individual sureties will not be considered. U.S. Treasury Circular Number 570, published annually in the Federal Register, lists companies approved to act as sureties on bonds securing Government contracts, the maximum underwriting limits on each contract bonded, and the States in which the company is licensed to do business. Use of companies listed in this circular is mandatory. Copies of the circular may be downloaded on the U.S. Department of Treasury website **http://www.fms.treas.gov/c570/index.html**, or ordered for a minimum fee by contacting the Government Printing Office at (202) 512-2168.

(c) Each bond shall clearly state the rate of premium and the total amount of premium charged. The current power of attorney for the person who signs for the surety company must be attached to the bond. The effective date of the power of attorney shall not precede the date of the bond. The effective date of the bond shall be on or after the execution date of the contract.

(d) Failure by the successful bidder to obtain the required assurance of completion within the time specified, or within such extended period as the PHA/IHA may grant based upon reasons determined adequate by the PHA/IHA, shall render the bidder ineligible for award. The PHA/IHA may then either award the contract to the next lowest responsible bidder or solicit new bids. The PHA/IHA may retain the ineligible bidder's bid guarantee.

**11. Preconstruction Conference** (applicable to construction contracts)

After award of a contract under this solicitation and prior to the start of work, the successful bidder will be required to attend a preconstruction conference with representatives of the PHA/IHA and its architect/engineer, and other interested parties convened by the PHA/IHA. The conference will serve to acquaint the participants with the general plan of the construction operation and all other requirements of the contract (e.g., Equal Employment Opportunity, Labor Standards). The PHA/IHA will provide the successful bidder with the date, time, and place of the conference.

**12. Indian Preference Requirements** (applicable only if this solicitation is for a contract to be performed on a project for an Indian Housing Authority)

(a) HUD has determined that the contract awarded under this solicitation is subject to the requirements of section 7(b) of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 450e(b)). Section 7(b) requires that any contract or subcontract entered into for the benefit of Indians shall require that, to the greatest extent feasible

(1) Preferences and opportunities for training and employment (other than core crew positions; see paragraph (h) below) in connection with the administration of such contracts or subcontracts be given to qualified "Indians." The Act defines "Indians" to mean persons who are members of an Indian tribe and defines "Indian tribe" to mean any Indian tribe, band, nation, or other organized group or community, including any Alaska Native village or regional or village corporation as defined in or established pursuant to the Alaska Native Claims Settlement Act, which is recognized as eligible for the special programs and services provided by the United States to Indians because of their status as Indians; and,

(2) Preference in the award of contracts or subcontracts in connection with the administration of contracts be given to Indian organizations and to Indian-owned economic enterprises, as defined in section 3 of the Indian Financing Act of 1974 (25 U.S.C. 1452). That Act defines "economic enterprise" to mean any Indian-owned commercial, industrial, or business activity established or organized for the purpose of profit, except that the Indian ownership must constitute not less than 51 percent of the enterprise; "Indian organization" to mean the governing body of any Indian tribe or entity established or recognized by such governing body; "Indian" to mean any person who is a member of any tribe, band, group, pueblo, or community which is recognized by the Federal Government as eligible for services from the Bureau of Indian Affairs and any "Native" as defined in the Alaska Native Claims Settlement Act; and Indian "tribe" to mean any Indian tribe, band, group, pueblo, or community including Native villages and Native groups (including

corporations organized by Kenai, Juneau, Sitka, and Kodiak) as defined in the Alaska Native Claims Settlement Act, which is recognized by the Federal Government as eligible for services from the Bureau of Indian Affairs.

(b) (1) The successful Contractor under this solicitation shall comply with the requirements of this provision in awarding all subcontracts under the contract and in providing training and employment opportunities.

(2) A finding by the IHA that the contractor, either (i) awarded a subcontract without using the procedure required by the IHA, (ii) falsely represented that subcontracts would be awarded to Indian enterprises or organizations; or, (iii) failed to comply with the contractor's employment and training preference bid statement shall be grounds for termination of the contract or for the assessment of penalties or other remedies.

(c) If specified elsewhere in this solicitation, the IHA may restrict the solicitation to qualified Indian-owned enterprises and Indian organizations. If two or more (or a greater number as specified elsewhere in the solicitation) qualified Indian-owned enterprises or organizations submit responsive bids, award shall be made to the qualified enterprise or organization with the lowest responsive bid. If fewer than the minimum required number of qualified Indian-owned enterprises or organizations submit responsive bids, the IHA shall reject all bids and readvertise the solicitation in accordance with paragraph (d) below.

(d) If the IHA prefers not to restrict the solicitation as described in paragraph (c) above, or if after having restricted a solicitation an insufficient number of qualified Indian enterprises or organizations submit bids, the IHA may advertise for bids from non-Indian as well as Indian-owned enterprises and Indian organizations. Award shall be made to the qualified Indian enterprise or organization with the lowest responsive bid if that bid is -

(1) Within the maximum HUD-approved budget amount established for the specific project or activity for which bids are being solicited; and

(2) No more than the percentage specified in 24 CFR 905.175(c) higher than the total bid price of the lowest responsive bid from any qualified bidder. If no responsive bid by a qualified Indian-owned economic enterprise or organization is within the stated range of the total bid price of the lowest responsive bid from any qualified enterprise, award shall be made to the bidder with the lowest bid.

(e) Bidders seeking to qualify for preference in contracting or subcontracting shall submit proof of Indian ownership with their bids. Proof of Indian ownership shall include but not be limited to:

(1) Certification by a tribe or other evidence that the bidder is an Indian. The IHA shall accept the certification of a tribe that an individual is a member.

(2) Evidence such as stock ownership, structure, management, control, financing and salary or profit sharing arrangements of the enterprise.

(f) (1) All bidders must submit with their bids a statement describing how they will provide Indian preference in the award of subcontracts. The specific requirements of that statement and the factors to used by the IHA in determining the statement's adequacy are included as an attachment to this solicitation. Any bid that fails to include the required statement shall be rejected as nonresponsive. The IHA may require that comparable statements be provided by subcontractors to the successful Contractor, and may require the Contractor to reject any bid or proposal by a subcontractor that fails to include the statement.

(2) Bidders and prospective subcontractors shall submit a certification (supported by credible evidence) to the IHA in any instance where the bidder or subcontractor believes it is infeasible to provide Indian preference in subcontracting. The acceptance or rejection by the IHA of the certification shall be final. Rejection shall disqualify the bid from further consideration.

(g) All bidders must submit with their bids a statement detailing their employment and training opportunities and their plans to provide preference to Indians in implementing the contract; and the number or percentage of Indians anticipated to be employed and trained. Comparable statements from all proposed subcontractors must be submitted. The criteria to be used by the IHA in determining the statement(s)'s adequacy are included as an attachment to this solicitation. Any bid that fails to include the required statement(s), or that includes a statement that does not meet minimum standards required by the IHA shall be rejected as nonresponsive.

(h) Core crew employees. A core crew employee is an individual who is a bona fide employee of the contractor at the time the bid is submitted; or an individual who was not employed by the bidder at the time the bid was submitted, but who is regularly employed by the bidder in a supervisory or other key skilled position when work is available. Bidders shall submit with their bids a list of all core crew employees.

(i) Preference in contracting, subcontracting, employment, and training shall apply not only on-site, on the reservation, or within the IHA's jurisdiction, but also to contracts with firms that operate outside these areas (e.g., employment in modular or manufactured housing construction facilities).

(j) Bidders should contact the IHA to determine if any additional local preference requirements are applicable to this solicitation.

(k) The IHA [ ] does [X] does not [Contracting Officer check applicable box] maintain lists of Indian-owned economic enterprises and Indian organizations by specialty (e.g., plumbing, electrical, foundations), which are available to bidders to assist them in meeting their responsibility to provide preference in connection with the administration of contracts and subcontracts.

HOUSING AUTHORITY OF THE CITY OF PITTSBURGH

**Family Recreational Area at Northview Heights, AMP-09**

# HACP CONTRACT NO. 600-11-26

## NOTICE OF PRE-BID CONFERENCE

**A Pre-Bid Conference will be held on** February 24, 2026

- A Pre-Bid Conference will be held on February 24, 2026 **at** 10:00 am, at "Virtual"Meeting ID: 836 3134 8831 Passcode: 839729 +1 301 715 8592 (Washington D.C.).
- Pre-Bid Conference attendance is not mandatory. The meeting may be attended in-person or virtually. Virtual Meeting (check one) is ☑ is not ☐ available. https://hacp-org.zoom.us/j/83631348831?pwd=kWp6loeArhdb2MH8zY23DnpIOn0ik6.1
- A site visit of the property will be conducted thereafter Yes ☐ or No ☑
- Bidders shall be prepared to review all aspects of the site necessary to prepare a bid.
- Representatives of the Authority, the design team and other interested parties will be in attendance.

**All bidders are urged to attend.**

- Bidders are responsible for examining the construction site. (Refer to "Instructions to Bidders for Contracts," Document HUD 5369, Clause 1, "Bid Preparation and Submission.") Notwithstanding the above, lack of attendance will not be a basis for rejecting a bid.
- Bidders are urged to examine the drawings and specifications prior to the Pre-Bid Conference.
- Nothing at the Pre-Bid Conference will change the terms of the IFB unless a subsequent Addendum is issued. (Refer to "Instructions to Bidders for Contracts," Document HUD 5369, Clause 2, "Explanations and Interpretations to Prospective Bidders.")

HOUSING AUTHORITY OF THE CITY OF PITTSBURGH

**Family Recreational Area at Northview Heights, AMP-09**

# HACP CONTRACT NO. 600-11-26

## PROJECT SCHEDULE

| NO LATER THAN | |
|---|---|
| February 9, 2026 | Invitation for Bids issued |
| February 24, 2026<br>10:00 am | Pre-Bid Conference |
| March 2, 2026<br>10:00 am | Last day to submit written questions |
| March 17, 2026<br>10:00 am | Bids due |
| April 24, 2026<br>(estimated) | Notice of Award |
| May 6, 2026<br>(estimated) | Execution of Contracts |
| May 21, 2026<br>(estimated) | Pre-Construction Conference |
| June 22, 2026<br>(estimated) | Construction Start |
| 284 calendar days<br>from effective date<br>of Notice to Proceed | All work required under this contract shall be complete |

HOUSING AUTHORITY OF THE CITY OF PITTSBURGH

**Family Recreational Area at Northview Heights, AMP-09**

# HACP CONTRACT NO. 600-11-26

## *SCOPE OF WORK FOR GENERAL CONSTRUCTION*

The Contract for General Construction shall consist of the following component parts:

**1. THE AGREEMENT**
(Bound in the Project Manual)

| | |
|---|---|
| THE BID | Document 00310 - Scope of Work for General Construction<br>Document 00311 - Form of Bid for General Construction |
| THE FORM OF AGREEMENT | Document 00500 - Form of Agreement<br>Document 00590 - Contracting Officer Certification |
| CONDITIONS OF THE CONTRACT | Document HUD - 5370 General Conditions<br>HACP Document - Supplemental General Conditions<br>Document 00830 - Wage Determination Schedule |

**2. PRIMARY SPECIFICATIONS FOR THE GENERAL CONSTRUCTION CONTRACT**
(Bound in the Project Manual)

All Work contained in the Primary Specifications listed below is the Work of the Contractor for this General Construction Contract unless specifically indicated otherwise.

Any Reference in the Primary Specifications to the "Contractor," the "Prime Contractor," or the "General Contractor" shall be interpreted as meaning the Contractor for this General Construction Contract.

The General Contractor shall coordinate the schedule and activities of work performed by this and all other Prime Contracts, as identified by (G)-General, (P)-Plumbing, (H)-HVAC, and (E)-Electrical.

**It is the contractual responsibility of the Contractor for General Construction to familiarize himself with the work of the other prime contractors so that the Project as a whole can proceed in an orderly fashion. Failure to familiarize work by other trades would not be an excuse for corrective measures at no cost to the City of Pittsburgh Housing Authority.**

For example, the General Contractor shall coordinate installation of general construction work with the requirements of the Plumbing, Mechanical, and Electrical Contractors.

Reference Standard for Incidental Work: Incidental work, as used in this paragraph, is work which is not a basic part of other Prime Contracts but which is required by reference.

For example, the General Contractor is required by his Primary Specifications to install and repair all general work. In the event that the Plumbing Contractor disturbs the general work, the patching, repair shall be done and follow the same Specification requirements of the appropriate Specification Section by the Plumbing Contractor even if that specification section may not be part of the Plumbing Contractor's Primary Specification. The same applies to all trades where incidental work occurs.

TECHNICAL SPECIFICATIONS AND DRAWINGS MAY BE FOUND AT PART FOUR OF THE PROJECT MANUAL

**3. PRIMARY DRAWINGS FOR THE GENERAL CONSTRUCTION CONTRACT**
(Contained in the set of Project Drawings issued simultaneously with this Project Manual)

All Work contained in the Primary Drawings listed below is the Work of this Contractor unless specifically indicated otherwise.

Any Reference to the "Contractor," the "Prime Contractor," or the "General Contractor" shall be interpreted as meaning the Contractor for this General Construction Contract.

The Primary Drawings for this contract consist of all Tusick & Associates Architects, Inc. construction documents drawings, **dated** February 23, 2024 and specifications contained in this project manual.

In case of drawing conflict with specifications, it is understood that the specification shall supersede the drawings.

HOUSING AUTHORITY OF THE CITY OF PITTSBURGH

**Family Recreational Area at Northview Heights, AMP-09**

HACP Contract No. 600-11-26

# FORM OF BID

# GENERAL CONSTRUCTION

Contract No.: 600-11-26

TO: HOUSING AUTHORITY CITY OF PITTSBURGH
*(Hereinafter called the "Authority")*
412 Boulevard of the Allies, 6th Flr
Pittsburgh, PA 15219

BIDDER: _____
*(Bidder Name)*
_____
*(Business Address)*
_____

_____
*(Telephone)*

1. The undersigned Bidder, having visited the site, having become familiar with local conditions affecting the cost of the work**, including all City of Pittsburgh current code requirements**, and having become familiar with the Invitation for Bids (the IFB) issued by the Authority, which consists of the following:

   - Project Manual, dated February 9, 2026 containing Bidding Requirements, Contract Forms, Conditions of the Contract, and Specifications
   - Project Drawings, dated February 23, 2024
   - Addenda (if any) as enumerated in this Form of Bid

   hereby proposes to provide all supervision, technical personnel, labor, materials, machinery, tools, appurtenances, equipment and services required to construct and complete the General Construction Work as described in Document 00310 "Scope of Work for General Construction" and as indicated in the Drawings and Specifications, for the following Firm Fixed Price:

   _____ Dollars ($ _____)
   *(Insert Bid Price in words)* *(Insert Bid Price in Figures)*

2. Bid security **[ ] is [ ] is not** submitted with this bid.
   *(Check one)*

   Bid Security is in amount of:

   _____% of the bid OR _____ Dollars ($_____)

Bid Security is in the form of:

| | | | |
|---|---|---|---|
| [ ] | Certified Check | [ ] | Bank Draft |
| [ ] | U.S. Govt. Bond | [ ] | Bid Bond (Document 00410) |

3. The Bidder hereby acknowledges receipt of the following Addenda, if any, as issued by the Authority:

Total number of Addenda _____ (if none, so state)

| | |
|---|---|
| Addendum No. _____dated _____ | Addendum No. _____ dated _____ |
| Addendum No. _____ dated _____ | Addendum No. _____ dated _____ |
| Addendum No. _____ dated _____ | Addendum No. _____ dated _____ |
| Addendum No. _____ dated _____ | Addendum No. _____ dated _____ |
| Addendum No. _____ dated _____ | Addendum No. _____ dated _____ |
| Addendum No. _____ dated _____ | Addendum No. _____ dated _____ |

4. The Bidder attaches hereto the Special Provisions (Document 00021);

5. The Bidder attaches hereto the Statement of Bidder's Qualifications (Document 00420);

6. The Bidder attaches hereto the Section 3 Opportunities Plan (Document 00433), MBE/WBE Solicitation and Commitment Record (Document 00434), Bidder Manpower Plan (Document 00435), and Previous Related Experience (Document 00436);

7. The Bidder attaches hereto the Bidder's Representations, Certifications and Other Statements of Bidders (Document HUD 5369-A), Previous Participation Certificate (Document HUD-2530);

8. The Bidder attaches hereto the Bidder's Special Provisions – Notice to All Prospective Bidders (Document 00437), Non-Collusion Affidavit (Document 00485);

9. The Bidder attaches hereto the completed Form of Agreement (Document 00500);

10. The Bidder attaches hereto the Supplemental General Conditions (HACP Document).

**PROPRIETORSHIP SIGNATURE PAGE** SHEET - FB-I

(To be used when the Bidder is an individual doing business as a Sole Proprietorship.)

THE BIDDER CERTIFIES THAT THE BIDDER IS:

[ ] An individual doing business in his/her own name
[ ] An individual doing business under a fictitious or assumed name
*(Complete Proprietorship Fictitious Name Disclosure below)*

SIGNED, SEALED AND DELIVERED

this _____ day of _____ 20 _____.

| | | | |
|---|---|---|---|
| | _____ *(Printed or Typed Name)* | | _____ *(Printed or Typed Name)* |
| *Witness* | | *Principal* | |
| { | | { | |
| | _____ *(Signature and Date)* | | _____ *(Signature and Date)* |

---

**PROPRIETORSHIP FICTITIOUS NAME DISCLOSURE**

*(To be used when the Bidder is an individual doing business under a fictitious or assumed name.)*

_____ is an individual trading under a fictitious or
*(Proprietor's Name)*

assumed name of _____ and **[ ] has [ ] has not** registered under
*(Fictitious or Assumed Name Used as Bidder's Name)* *(Check one)*

the Fictitious Names Act of Pennsylvania, namely the Act of May 24, 1945,P.L.967, as amended, 54 P.S.sec.281.1 et seq.

| | | | |
|---|---|---|---|
| | _____ *(Printed or Typed Name)* | | _____ *(Printed or Typed Name)* |
| *Witness* | | *Principal* | |
| { | | { | |
| | _____ *(Signature and Date)* | | _____ *(Signature and Date)* |

**PARTNERSHIP SIGNATURE PAGE** SHEET - FB-P-1

(To be used when the Bidder is an individual doing business as a Partnership.)

THE BIDDER CERTIFIES THAT THE BIDDER IS:

[ ] A General Partnership (Attach completed Sheet FB-P-3)
- [ ] Doing business under Partnership Name
- [ ] Doing business under a fictitious or assumed name
  (Complete Partnership Fictitious Name Disclosure Sheet FB-P-2)

[ ] A Limited Partnership (Attach completed Sheet FB-P-3)
- [ ] Doing business under Partnership Name
- [ ] Doing business under a fictitious or assumed name
  (Complete Partnership Fictitious Name Disclosure Sheet FB-P-2)

SIGNED, SEALED AND DELIVERED

this _____ day of _____ 20 _____.

| | | | |
|---|---|---|---|
| | _____ *(Printed or Typed Name)* | | _____ *(Printed or Typed Name)* |
| *Witness* | | *Partner ** | |
| { | _____ *(Signature and Date)* | { | _____ *(Signature and Date)* |
| | _____ *(Printed or Typed Name)* | | _____ *(Printed or Typed Name)* |
| *Witness* | | *Partner ** | |
| { | _____ *(Signature and Date)* | { | _____ *(Signature and Date)* |

* If the Bidder is a partnership, the Bid and Contract must be signed in the name of the partnership by at least two general partners, and the names and addresses of all the partners must be listed on the certificate on Sheet FB-P-3.

## PARTNERSHIP FICTITIOUS NAME DISCLOSURE

SHEET FB-P-2

*(To be used when the Bidder is a partnership doing business under a fictitious or assumed name.)*

_____ is a partnership trading under a fictitious or
*(Partnership's Name)*

assumed name of _____ and **[ ] has [ ] has not** registered under
*(Fictitious or Assumed Name Used as Bidder's Name)* *(Check one)*

the Fictitious Names Act of Pennsylvania, namely the Act of May 24, 1945,P.L.967, as amended, 54 P.S.sec.281.1 et seq.

| | |
|---|---|
| _____ | _____ |
| *(Printed or Typed Name)* | *(Printed or Typed Name)* |
| *Witness* | *Partner** |
| { | { |
| _____ | _____ |
| *(Signature and Date)* | *(Signature and Date)* |

**PARTNERSHIP CERTIFICATE** SHEET FB-P-3

(To be used when the Bidder is a partnership.)

I, as partner of _____,
*(Name of Partnership)*
certify that the following are the names and addresses of all the partners of said partnership.

| | |
|---|---|
| Name: _____ | Name: _____ |
| Address: _____ | Address: _____ |
| City: _____ | City: _____ |
| Name: _____ | Name: _____ |
| Address: _____ | Address: _____ |
| City: _____ | City: _____ |
| Name: _____ | Name: _____ |
| Address: _____ | Address: _____ |
| City: _____ | City: _____ |
| Name: _____ | Name: _____ |
| Address: _____ | Address: _____ |
| City: _____ | City: _____ |

(Use additional sheets as required.)

| | | | |
|---|---|---|---|
| | _____ *(Printed or Typed Name)* | | _____ *(Printed or Typed Name)* |
| *Witness* { | | *Partner** { | |
| | _____ *(Signature and Date)* | | _____ *(Signature and Date)* |

**CORPORATION SIGNATURE PAGE** SHEET FB-C-1

(To be used when the bidder is a corporation.)

THE BIDDER CERTIFIES THAT THE BIDDER IS:

[ ] A corporation doing business in its own name
[ ] A corporation doing business under a fictitious or assumed name
(Complete Corporation Fictitious Name Disclosure FB-C-2)

SIGNED, SEALED AND DELIVERED

this _____ day of _____ 20 _____.

*(CORPORATE SEAL)*

_____
*(Corporate Name)*

_____ _____
*(Printed or Typed Name)* *(Printed or Typed Name)*

*Witness* *President*
{ *V.P.*** {

_____ _____
*(Signature and Date)* *(Signature and Date)*

_____ _____
*(Corporate Title)* *(Corporate Title)*

** If the bidder is a corporation, the Bid and the Contract must be executed in the Corporation's correct corporate name by its President or Vice President and attested to by its Secretary or Assistant Secretary or Treasurer or Assistant Treasurer, and the Certification of Corporate Principal (Doc. 00625) must be executed by the Secretary or Assistant Secretary.

**CORPORATION FICTITIOUS NAME DISCLOSURE** SHEET FB-C-2

*(To be used when the Bidder is a corporation doing business under a fictitious or assumed name.)*

_____ is a corporation trading under a fictitious or
*(Corporation's Name)*

assumed name of _____ and **[ ] has [ ] has not** registered under
*(Fictitious or Assumed Name Used as Bidder's Name)* *(Check one)*

the Fictitious Names Act of Pennsylvania, namely the Act of May 24, 1945,P.L.967, as amended, 54 P.S.sec.281.1 et seq.

| | | | |
|---|---|---|---|
| | _____ *(Printed or Typed Name)* | | _____ *(Printed or Typed Name)* |
| *Witness* | | *President* | |
| { | | *V.P.* ** | { | |
| | _____ *(Signature and Date)* | | _____ *(Signature and Date)* |

** If the bidder is a corporation, the Bid and the Contract must be executed in the Corporation's correct corporate name by its President or Vice President and attested to by its Secretary or Assistant Secretary or Treasurer or Assistant Treasurer, and the Certification of Corporate Principal (Doc. 00625) must be executed by the Secretary or Assistant Secretary.

**CORPORATION CERTIFICATE** SHEET FB-C-3

*(To be used when the bidder is a corporation)*

_____ is a corporation organized and existing
*(Corporate name used as Bidder name)*

under the laws of the state of _____ with its principal place of business at:

_____,_____,_____
*(Street Address)* *(City)* *(State)*

and, if a non-Pennsylvania corporation **[ ] has [ ] has not** *(check one)* been granted a certificate of authority to do business in Pennsylvania as required by the Pennsylvania Business Corporation Law, approved May 5, 1933, P.L. 364, as amended, 15 P.S. sec.2005 et seq.

I, _____, certify that I am the **[ ] Secretary [ ] Assistant Secretary** of the
*(check one)*
Corporation named a Bidder herein; that _____ who signed

this Bid on behalf of the Corporation was then _____ of said Corporation that
*(President/V.P.) ***

I know his signature and his signature thereto is genuine; and that said Bid was duly signed, sealed and attested in behalf of said Corporation by authority of its governing body.

*(CORPORATE SEAL)*

_____
*(Signature and Date)*

** If the bidder is a corporation, the Bid and the Contract must be executed in the Corporation's correct corporate name by its President or Vice President and its Secretary or Assistant Secretary or Treasurer or Assistant Treasurer, and the above Certificate must be executed by the Secretary or Assistant Secretary

HOUSING AUTHORITY OF THE CITY OF PITTSBURGH

**Family Recreational Area at Northview Heights, AMP-09**

# HACP CONTRACT NO. 600-11-26

## *SCOPE OF WORK FOR ELECTRICAL CONSTRUCTION*

The Contract for Electrical Construction shall consist of the following component parts:

**1. THE AGREEMENT**
(Bound in the Project Manual)

| | |
|---|---|
| THE BID | Document 00320 - Scope of Work for Electrical Construction<br>Document 00321 - Form of Bid for Electrical Construction |
| THE FORM OF AGREEMENT | Document 00500 - Form of Agreement<br>Document 00590 - Contracting Officer Certification |
| CONDITIONS OF THE CONTRACT | Document HUD - 5370 General Conditions<br>HACP Document - Supplemental General Conditions<br>Document 00830 - Wage Determination Schedule |

**2. PRIMARY SPECIFICATIONS FOR THE ELECTRICAL CONSTRUCTION CONTRACT**
(Bound in the Project Manual)

All Work contained in the Primary Specifications listed below is the Work of the Contractor for this Electrical Construction Contract unless specifically indicated otherwise.

Any Reference in the Primary Specifications to the "Contractor," the "Prime Contractor," or the "Electrical Contractor" shall be interpreted as meaning the Contractor for this Electrical Construction Contract.

The Electrical Contractor shall coordinate the schedule and activities of work performed under this contract with that of those contracts identified as (G)-General, (P)-Plumbing, and (H)-HVAC.

**It is the contractual responsibility of the Contractor for Electrical Construction to familiarize himself with the work of the other prime contractors so that the Project as a whole can proceed in an orderly fashion. Failure to familiarize work by other trades would not be an excuse for corrective measures at no cost to the City of Pittsburgh Housing Authority.**

For example, the Electrical Contractor shall coordinate installation of electrical construction work with the requirements of the Plumbing, Mechanical, and General Contractors.

Reference Standard for Incidental Work: Incidental work, as used in this paragraph, is work which is not a basic part of other Prime Contracts but which is required by reference.

For example, the General Contractor is required by his Primary Specifications to install and repair all general work. In the event that the Plumbing Contractor disturbs the general work, the patching, repair shall be done and follow the same Specification requirements of the appropriate Specification Section by the Plumbing Contractor even if that specification section may not be part of the Plumbing Contractor's Primary Specification. The same applies to all trades where incidental work occurs.

TECHNICAL SPECIFICATIONS AND DRAWINGS MAY BE FOUND AT PART FOUR OF THE PROJECT MANUAL

**3. PRIMARY DRAWINGS FOR THE ELECTRICAL CONSTRUCTION CONTRACT**
(Contained in the set of Project Drawings issued simultaneously with this Project Manual)

All Work contained in the Primary Drawings listed below is the Work of this Contractor unless specifically indicated otherwise.

Any Reference to the "Contractor," the "Prime Contractor," or the "Electrical Contractor" shall be interpreted as meaning the Contractor for this Electrical Construction Contract.

The Primary Drawings for this contract consist of all Tusick & Associates Architects, Inc. construction documents drawings, **dated** February 23, 2024 and specifications contained in this project manual.

In case of drawing conflict with specifications, it is understood that the specification shall supersede the drawings.

HOUSING AUTHORITY OF THE CITY OF PITTSBURGH

**Family Recreational Area at Northview Heights, AMP-09**

HACP Contract No. 600-11-26

# FORM OF BID

# ELECTRICAL CONSTRUCTION

Contract No.: 600-11-26

TO: HOUSING AUTHORITY CITY OF PITTSBURGH
*(Hereinafter called the "Authority")*
412 Boulevard of the Allies, 6th Flr
Pittsburgh, PA 15219

BIDDER: _____
*(Bidder Name)*
_____
*(Business Address)*
_____

_____
*(Telephone)*

1. The undersigned Bidder, having visited the site, having become familiar with local conditions affecting the cost of the work**, including all City of Pittsburgh current code requirements**, and having become familiar with the Invitation for Bids (the IFB) issued by the Authority, which consists of the following:

   - Project Manual, dated February 9, 2026 containing Bidding Requirements, Contract Forms, Conditions of the Contract, and Specifications
   - Project Drawings, dated February 23, 2024
   - Addenda (if any) as enumerated in this Form of Bid

   hereby proposes to provide all supervision, technical personnel, labor, materials, machinery, tools, appurtenances, equipment and services required to construct and complete the Electrical Construction Work as described in Document 00320 "Scope of Work for Electrical Construction" and as indicated in the Drawings and Specifications, for the following Firm Fixed Price:

   _____Dollars ($ _____)
   *(Insert Bid Price in words)* *(Insert Bid Price in Figures)*

2. Bid security **[ ] is [ ] is not** submitted with this bid.
   *(Check one)*

   Bid Security is in amount of:

   _____% of the bid OR _____ Dollars ($_____)

Bid Security is in the form of:

| | | | |
|---|---|---|---|
| [ ] | Certified Check | [ ] | Bank Draft |
| [ ] | U.S. Govt. Bond | [ ] | Bid Bond (Document 00410) |

3. The Bidder hereby acknowledges receipt of the following Addenda, if any, as issued by the Authority:

Total number of Addenda _____ (if none, so state)

| | |
|---|---|
| Addendum No. _____dated _____ | Addendum No. _____ dated _____ |
| Addendum No. _____ dated _____ | Addendum No. _____ dated _____ |
| Addendum No. _____ dated _____ | Addendum No. _____ dated _____ |
| Addendum No. _____ dated _____ | Addendum No. _____ dated _____ |
| Addendum No. _____ dated _____ | Addendum No. _____ dated _____ |
| Addendum No. _____ dated _____ | Addendum No. _____ dated _____ |

4. The Bidder attaches hereto the Special Provisions (Document 00021);

5. The Bidder attaches hereto the Statement of Bidder's Qualifications (Document 00420);

6. The Bidder attaches hereto the Section 3 Opportunities Plan (Document 00433), MBE/WBE Solicitation and Commitment Record (Document 00434), Bidder Manpower Plan (Document 00435), and Previous Related Experience (Document 00436);

7. The Bidder attaches hereto the Bidder's Representations, Certifications and Other Statements of Bidders (Document HUD 5369-A), Previous Participation Certificate (Document HUD-2530);

8. The Bidder attaches hereto the Bidder's Special Provisions – Notice to All Prospective Bidders (Document 00437), Non-Collusion Affidavit (Document 00485);

9. The Bidder attaches hereto the completed Form of Agreement (Document 00500);

10. The Bidder attaches hereto the Supplemental General Conditions (HACP Document).

**PROPRIETORSHIP SIGNATURE PAGE** SHEET - FB-I

(To be used when the Bidder is an individual doing business as a Sole Proprietorship.)

THE BIDDER CERTIFIES THAT THE BIDDER IS:

[ ] An individual doing business in his/her own name
[ ] An individual doing business under a fictitious or assumed name
*(Complete Proprietorship Fictitious Name Disclosure below)*

SIGNED, SEALED AND DELIVERED

this _____ day of _____ 20 _____.

| | | | |
|---|---|---|---|
| | _____ *(Printed or Typed Name)* | | _____ *(Printed or Typed Name)* |
| *Witness* | | *Principal* | |
| { | | { | |
| | _____ *(Signature and Date)* | | _____ *(Signature and Date)* |

---

**PROPRIETORSHIP FICTITIOUS NAME DISCLOSURE**

*(To be used when the Bidder is an individual doing business under a fictitious or assumed name.)*

_____ is an individual trading under a fictitious or
*(Proprietor's Name)*

assumed name of _____ and **[ ] has [ ] has not** registered under
*(Fictitious or Assumed Name Used as Bidder's Name)* *(Check one)*

the Fictitious Names Act of Pennsylvania, namely the Act of May 24, 1945,P.L.967, as amended, 54 P.S.sec.281.1 et seq.

| | | | |
|---|---|---|---|
| | _____ *(Printed or Typed Name)* | | _____ *(Printed or Typed Name)* |
| *Witness* | | *Principal* | |
| { | | { | |
| | _____ *(Signature and Date)* | | _____ *(Signature and Date)* |

**PARTNERSHIP SIGNATURE PAGE** SHEET - FB-P-1

(To be used when the Bidder is an individual doing business as a Partnership.)

THE BIDDER CERTIFIES THAT THE BIDDER IS:

[ ] A General Partnership (Attach completed Sheet FB-P-3)
- [ ] Doing business under Partnership Name
- [ ] Doing business under a fictitious or assumed name
  (Complete Partnership Fictitious Name Disclosure Sheet FB-P-2)

[ ] A Limited Partnership (Attach completed Sheet FB-P-3)
- [ ] Doing business under Partnership Name
- [ ] Doing business under a fictitious or assumed name
  (Complete Partnership Fictitious Name Disclosure Sheet FB-P-2)

SIGNED, SEALED AND DELIVERED

this _____ day of _____ 20 _____.

| | | | |
|---|---|---|---|
| | _____ *(Printed or Typed Name)* | | _____ *(Printed or Typed Name)* |
| *Witness* | | *Partner ** | |
| { | _____ *(Signature and Date)* | { | _____ *(Signature and Date)* |
| | _____ *(Printed or Typed Name)* | | _____ *(Printed or Typed Name)* |
| *Witness* | | *Partner ** | |
| { | _____ *(Signature and Date)* | { | _____ *(Signature and Date)* |

* If the Bidder is a partnership, the Bid and Contract must be signed in the name of the partnership by at least two general partners, and the names and addresses of all the partners must be listed on the certificate on Sheet FB-P-3.

## PARTNERSHIP FICTITIOUS NAME DISCLOSURE

SHEET FB-P-2

*(To be used when the Bidder is a partnership doing business under a fictitious or assumed name.)*

_____ is a partnership trading under a fictitious or
*(Partnership's Name)*

assumed name of _____ and **[ ] has [ ] has not** registered under
*(Fictitious or Assumed Name Used as Bidder's Name)* *(Check one)*

the Fictitious Names Act of Pennsylvania, namely the Act of May 24, 1945,P.L.967, as amended, 54 P.S.sec.281.1 et seq.

| | | | |
|---|---|---|---|
| | _____ | | _____ |
| | *(Printed or Typed Name)* | | *(Printed or Typed Name)* |
| *Witness* | | *Partner** | |
| { | | { | |
| | _____ | | _____ |
| | *(Signature and Date)* | | *(Signature and Date)* |

**PARTNERSHIP CERTIFICATE** SHEET FB-P-3

(To be used when the Bidder is a partnership.)

I, as partner of _____,
*(Name of Partnership)*

certify that the following are the names and addresses of all the partners of said partnership.

| | |
|---|---|
| Name: _____ | Name: _____ |
| Address: _____ | Address: _____ |
| City: _____ | City: _____ |
| Name: _____ | Name: _____ |
| Address: _____ | Address: _____ |
| City: _____ | City: _____ |
| Name: _____ | Name: _____ |
| Address: _____ | Address: _____ |
| City: _____ | City: _____ |
| Name: _____ | Name: _____ |
| Address: _____ | Address: _____ |
| City: _____ | City: _____ |

(Use additional sheets as required.)

| | |
|---|---|
| _____ | _____ |
| *(Printed or Typed Name)* | *(Printed or Typed Name)* |
| *Witness* { | *Partner** { |
| _____ | _____ |
| *(Signature and Date)* | *(Signature and Date)* |

**CORPORATION SIGNATURE PAGE** SHEET FB-C-1

(To be used when the bidder is a corporation.)

THE BIDDER CERTIFIES THAT THE BIDDER IS:

[ ] A corporation doing business in its own name
[ ] A corporation doing business under a fictitious or assumed name
(Complete Corporation Fictitious Name Disclosure FB-C-2)

SIGNED, SEALED AND DELIVERED

this _____ day of _____ 20 _____.

*(CORPORATE SEAL)*

_____
*(Corporate Name)*

_____ _____
*(Printed or Typed Name)* *(Printed or Typed Name)*

*Witness* *President*
{ *V.P.*** {

_____ _____
*(Signature and Date)* *(Signature and Date)*

_____ _____
*(Corporate Title)* *(Corporate Title)*

** If the bidder is a corporation, the Bid and the Contract must be executed in the Corporation's correct corporate name by its President or Vice President and attested to by its Secretary or Assistant Secretary or Treasurer or Assistant Treasurer, and the Certification of Corporate Principal (Doc. 00625) must be executed by the Secretary or Assistant Secretary.

**CORPORATION FICTITIOUS NAME DISCLOSURE** SHEET FB-C-2

*(To be used when the Bidder is a corporation doing business under a fictitious or assumed name.)*

_____ is a corporation trading under a fictitious or
*(Corporation's Name)*

assumed name of _____ and **[ ] has [ ] has not** registered under
*(Fictitious or Assumed Name Used as Bidder's Name)* *(Check one)*

the Fictitious Names Act of Pennsylvania, namely the Act of May 24, 1945,P.L.967, as amended, 54 P.S.sec.281.1 et seq.

| | | | |
|---|---|---|---|
| | _____ *(Printed or Typed Name)* | | _____ *(Printed or Typed Name)* |
| *Witness* | | *President* | |
| { | | *V.P.* ** | { | |
| | _____ *(Signature and Date)* | | _____ *(Signature and Date)* |

** If the bidder is a corporation, the Bid and the Contract must be executed in the Corporation's correct corporate name by its President or Vice President and attested to by its Secretary or Assistant Secretary or Treasurer or Assistant Treasurer, and the Certification of Corporate Principal (Doc. 00625) must be executed by the Secretary or Assistant Secretary.

**CORPORATION CERTIFICATE** SHEET FB-C-3

*(To be used when the bidder is a corporation)*

_____ is a corporation organized and existing
*(Corporate name used as Bidder name)*

under the laws of the state of _____ with its principal place of business at:

_____, _____, _____
*(Street Address)* *(City)* *(State)*

and, if a non-Pennsylvania corporation **[ ] has [ ] has not** *(check one)* been granted a certificate of authority to do business in Pennsylvania as required by the Pennsylvania Business Corporation Law, approved May 5, 1933, P.L. 364, as amended, 15 P.S. sec.2005 et seq.

I, _____, certify that I am the **[ ] Secretary [ ] Assistant Secretary** of the
*(check one)*
Corporation named a Bidder herein; that _____ who signed

this Bid on behalf of the Corporation was then _____ of said Corporation that
*(President/V.P.) ***

I know his signature and his signature thereto is genuine; and that said Bid was duly signed, sealed and attested in behalf of said Corporation by authority of its governing body.

*(CORPORATE SEAL)*

_____
*(Signature and Date)*

** If the bidder is a corporation, the Bid and the Contract must be executed in the Corporation's correct corporate name by its President or Vice President and its Secretary or Assistant Secretary or Treasurer or Assistant Treasurer, and the above Certificate must be executed by the Secretary or Assistant Secretary

HOUSING AUTHORITY OF THE CITY OF PITTSBURGH

**Family Recreational Area at Northview Heights, AMP-09**

# HACP CONTRACT NO. 600-11-26

## *SCOPE OF WORK FOR PLUMBING CONSTRUCTION*

The Contract for Plumbing Construction shall consist of the following component parts:

**1. THE AGREEMENT**
(Bound in the Project Manual)

| | |
|---|---|
| THE BID | Document 00330 - Scope of Work for Plumbing Construction<br>Document 00331 - Form of Bid for Plumbing Construction |
| THE FORM OF AGREEMENT | Document 00500 - Form of Agreement<br>Document 00590 - Contracting Officer Certification |
| CONDITIONS OF THE CONTRACT | Document HUD - 5370 General Conditions<br>HACP Document - Supplemental General Conditions<br>Document 00830 - Wage Determination Schedule |

**2. PRIMARY SPECIFICATIONS FOR THE PLUMBING CONSTRUCTION CONTRACT**
(Bound in the Project Manual)

All Work contained in the Primary Specifications listed below is the Work of the Contractor for this Plumbing Construction Contract unless specifically indicated otherwise.

Any Reference in the Primary Specifications to the "Contractor," the "Prime Contractor," or the "Plumbing Contractor" shall be interpreted as meaning the Contractor for this Plumbing Construction Contract.

The Plumbing Contractor shall coordinate the schedule and activities of work performed under this contract with that of those contracts identified as (G)-General, (E)-Electrical, and (H)-HVAC.

**It is the contractual responsibility of the Contractor for Plumbing Construction to familiarize himself with the work of the other prime contractors so that the Project as a whole can proceed in an orderly fashion. Failure to familiarize work by other trades would not be an excuse for corrective measures at no cost to the City of Pittsburgh Housing Authority.**

For example, the Plumbing Contractor shall coordinate installation of plumbing construction work with the requirements of the Electrical, Mechanical, and General Contractors.

Reference Standard for Incidental Work: Incidental work, as used in this paragraph, is work which is not a basic part of other Prime Contracts but which is required by reference.

For example, the General Contractor is required by his Primary Specifications to install and repair all general work. In the event that the Plumbing Contractor disturbs the general work, the patching, repair shall be done and follow the same Specification requirements of the appropriate Specification Section by the Plumbing Contractor even if that specification section may not be part of the Plumbing Contractor's Primary Specification. The same applies to all trades where incidental work occurs.

TECHNICAL SPECIFICATIONS AND DRAWINGS MAY BE FOUND AT PART FOUR OF THE PROJECT MANUAL

**3. PRIMARY DRAWINGS FOR THE PLUMBING CONSTRUCTION CONTRACT**
(Contained in the set of Project Drawings issued simultaneously with this Project Manual)

All Work contained in the Primary Drawings listed below is the Work of this Contractor unless specifically indicated otherwise.

Any Reference to the "Contractor," the "Prime Contractor," or the "Plumbing Contractor" shall be interpreted as meaning the Contractor for this Plumbing Construction Contract.

The Primary Drawings for this contract consist of all Tusick & Associates Architects, Inc. construction documents drawings, **dated** February 23, 2024 and specifications contained in this project manual.

In case of drawing conflict with specifications, it is understood that the specification shall supersede the drawings.

HOUSING AUTHORITY OF THE CITY OF PITTSBURGH

**Family Recreational Area at Northview Heights, AMP-09**

HACP Contract No. 600-11-26

# FORM OF BID

# PLUMBING CONSTRUCTION

Contract No.: 600-11-26

TO: HOUSING AUTHORITY
CITY OF PITTSBURGH
*(Hereinafter called the "Authority")*
412 Boulevard of the Allies, 6th Flr
Pittsburgh, PA 15219

BIDDER: _____
*(Bidder Name)*
_____
*(Business Address)*
_____

_____
*(Telephone)*

1. The undersigned Bidder, having visited the site, having become familiar with local conditions affecting the cost of the work**, including all City of Pittsburgh current code requirements**, and having become familiar with the Invitation for Bids (the IFB) issued by the Authority, which consists of the following:

   - Project Manual, dated February 9, 2026 containing Bidding Requirements, Contract Forms, Conditions of the Contract, and Specifications
   - Project Drawings, dated February 23, 2024
   - Addenda (if any) as enumerated in this Form of Bid

   hereby proposes to provide all supervision, technical personnel, labor, materials, machinery, tools, appurtenances, equipment and services required to construct and complete the Plumbing Construction Work as described in Document 00330 "Scope of Work for Plumbing Construction" and as indicated in the Drawings and Specifications, for the following Firm Fixed Price:

   _____ Dollars ($ _____)
   *(Insert Bid Price in words)* *(Insert Bid Price in Figures)*

2. Bid security **[ ] is [ ] is not** submitted with this bid.
   *(Check one)*

   Bid Security is in amount of:

   _____% of the bid OR _____ Dollars ($_____)

Bid Security is in the form of:

| | | | |
|---|---|---|---|
| [ ] | Certified Check | [ ] | Bank Draft |
| [ ] | U.S. Govt. Bond | [ ] | Bid Bond (Document 00410) |

3. The Bidder hereby acknowledges receipt of the following Addenda, if any, as issued by the Authority:

Total number of Addenda _____ (if none, so state)

| | |
|---|---|
| Addendum No. _____dated _____ | Addendum No. _____ dated _____ |
| Addendum No. _____ dated _____ | Addendum No. _____ dated _____ |
| Addendum No. _____ dated _____ | Addendum No. _____ dated _____ |
| Addendum No. _____ dated _____ | Addendum No. _____ dated _____ |
| Addendum No. _____ dated _____ | Addendum No. _____ dated _____ |
| Addendum No. _____ dated _____ | Addendum No. _____ dated _____ |

4. The Bidder attaches hereto the Special Provisions (Document 00021);

5. The Bidder attaches hereto the Statement of Bidder's Qualifications (Document 00420);

6. The Bidder attaches hereto the Section 3 Opportunities Plan (Document 00433), MBE/WBE Solicitation and Commitment Record (Document 00434), Bidder Manpower Plan (Document 00435), and Previous Related Experience (Document 00436);

7. The Bidder attaches hereto the Bidder's Representations, Certifications and Other Statements of Bidders (Document HUD 5369-A), Previous Participation Certificate (Document HUD-2530);

8. The Bidder attaches hereto the Bidder's Special Provisions – Notice to All Prospective Bidders (Document 00437), Non-Collusion Affidavit (Document 00485);

9. The Bidder attaches hereto the completed Form of Agreement (Document 00500);

10. The Bidder attaches hereto the Supplemental General Conditions (HACP Document).

**PROPRIETORSHIP SIGNATURE PAGE** SHEET - FB-I

(To be used when the Bidder is an individual doing business as a Sole Proprietorship.)

THE BIDDER CERTIFIES THAT THE BIDDER IS:

[ ] An individual doing business in his/her own name
[ ] An individual doing business under a fictitious or assumed name
*(Complete Proprietorship Fictitious Name Disclosure below)*

SIGNED, SEALED AND DELIVERED

this _____ day of _____ 20 _____.

| | | | |
|---|---|---|---|
| | _____ *(Printed or Typed Name)* | | _____ *(Printed or Typed Name)* |
| *Witness* | | *Principal* | |
| { | | { | |
| | _____ *(Signature and Date)* | | _____ *(Signature and Date)* |

---

**PROPRIETORSHIP FICTITIOUS NAME DISCLOSURE**

*(To be used when the Bidder is an individual doing business under a fictitious or assumed name.)*

_____ is an individual trading under a fictitious or
*(Proprietor's Name)*

assumed name of _____ and **[ ] has [ ] has not** registered under
*(Fictitious or Assumed Name Used as Bidder's Name)* *(Check one)*

the Fictitious Names Act of Pennsylvania, namely the Act of May 24, 1945,P.L.967, as amended, 54 P.S.sec.281.1 et seq.

| | | | |
|---|---|---|---|
| | _____ *(Printed or Typed Name)* | | _____ *(Printed or Typed Name)* |
| *Witness* | | *Principal* | |
| { | | { | |
| | _____ *(Signature and Date)* | | _____ *(Signature and Date)* |

**PARTNERSHIP SIGNATURE PAGE** SHEET - FB-P-1

(To be used when the Bidder is an individual doing business as a Partnership.)

THE BIDDER CERTIFIES THAT THE BIDDER IS:

[ ] A General Partnership (Attach completed Sheet FB-P-3)
- [ ] Doing business under Partnership Name
- [ ] Doing business under a fictitious or assumed name
  (Complete Partnership Fictitious Name Disclosure Sheet FB-P-2)

[ ] A Limited Partnership (Attach completed Sheet FB-P-3)
- [ ] Doing business under Partnership Name
- [ ] Doing business under a fictitious or assumed name
  (Complete Partnership Fictitious Name Disclosure Sheet FB-P-2)

SIGNED, SEALED AND DELIVERED

this _____ day of _____ 20 _____.

| | | | |
|---|---|---|---|
| | _____ *(Printed or Typed Name)* | | _____ *(Printed or Typed Name)* |
| *Witness* | | *Partner ** | |
| { | | { | |
| | _____ *(Signature and Date)* | | _____ *(Signature and Date)* |
| | _____ *(Printed or Typed Name)* | | _____ *(Printed or Typed Name)* |
| *Witness* | | *Partner ** | |
| { | | { | |
| | _____ *(Signature and Date)* | | _____ *(Signature and Date)* |

* If the Bidder is a partnership, the Bid and Contract must be signed in the name of the partnership by at least two general partners, and the names and addresses of all the partners must be listed on the certificate on Sheet FB-P-3.

## PARTNERSHIP FICTITIOUS NAME DISCLOSURE

SHEET FB-P-2

*(To be used when the Bidder is a partnership doing business under a fictitious or assumed name.)*

_____ is a partnership trading under a fictitious or
*(Partnership's Name)*

assumed name of _____ and **[ ] has [ ] has not** registered under
*(Fictitious or Assumed Name Used as Bidder's Name)* *(Check one)*

the Fictitious Names Act of Pennsylvania, namely the Act of May 24, 1945,P.L.967, as amended, 54 P.S.sec.281.1 et seq.

| | | | |
|---|---|---|---|
| | _____ | | _____ |
| | *(Printed or Typed Name)* | | *(Printed or Typed Name)* |
| *Witness* | | *Partner** | |
| { | | { | |
| | _____ | | _____ |
| | *(Signature and Date)* | | *(Signature and Date)* |

**PARTNERSHIP CERTIFICATE** SHEET FB-P-3

(To be used when the Bidder is a partnership.)

I, as partner of _____,
*(Name of Partnership)*
certify that the following are the names and addresses of all the partners of said partnership.

| | |
|---|---|
| Name: _____ | Name: _____ |
| Address: _____ | Address: _____ |
| City: _____ | City: _____ |
| Name: _____ | Name: _____ |
| Address: _____ | Address: _____ |
| City: _____ | City: _____ |
| Name: _____ | Name: _____ |
| Address: _____ | Address: _____ |
| City: _____ | City: _____ |
| Name: _____ | Name: _____ |
| Address: _____ | Address: _____ |
| City: _____ | City: _____ |

(Use additional sheets as required.)

| | | | |
|---|---|---|---|
| | _____ *(Printed or Typed Name)* | | _____ *(Printed or Typed Name)* |
| *Witness* { | | *Partner** { | |
| | _____ *(Signature and Date)* | | _____ *(Signature and Date)* |

**CORPORATION SIGNATURE PAGE** SHEET FB-C-1

(To be used when the bidder is a corporation.)

THE BIDDER CERTIFIES THAT THE BIDDER IS:

[ ] A corporation doing business in its own name
[ ] A corporation doing business under a fictitious or assumed name
(Complete Corporation Fictitious Name Disclosure FB-C-2)

SIGNED, SEALED AND DELIVERED

this _____ day of _____ 20 _____.

*(CORPORATE SEAL)*

_____
*(Corporate Name)*

_____ _____
*(Printed or Typed Name)* *(Printed or Typed Name)*

*Witness* { *President V.P.*** {

_____ _____
*(Signature and Date)* *(Signature and Date)*

_____ _____
*(Corporate Title)* *(Corporate Title)*

** If the bidder is a corporation, the Bid and the Contract must be executed in the Corporation's correct corporate name by its President or Vice President and attested to by its Secretary or Assistant Secretary or Treasurer or Assistant Treasurer, and the Certification of Corporate Principal (Doc. 00625) must be executed by the Secretary or Assistant Secretary.

**CORPORATION FICTITIOUS NAME DISCLOSURE** SHEET FB-C-2

*(To be used when the Bidder is a corporation doing business under a fictitious or assumed name.)*

_____ is a corporation trading under a fictitious or
*(Corporation's Name)*

assumed name of _____ and **[ ] has [ ] has not** registered under
*(Fictitious or Assumed Name Used as Bidder's Name)* *(Check one)*

the Fictitious Names Act of Pennsylvania, namely the Act of May 24, 1945,P.L.967, as amended, 54 P.S.sec.281.1 et seq.

| | | | |
|---|---|---|---|
| | _____ *(Printed or Typed Name)* | | _____ *(Printed or Typed Name)* |
| *Witness* | | *President* | |
| { | | *V.P.* ** | { | |
| | _____ *(Signature and Date)* | | _____ *(Signature and Date)* |

** If the bidder is a corporation, the Bid and the Contract must be executed in the Corporation's correct corporate name by its President or Vice President and attested to by its Secretary or Assistant Secretary or Treasurer or Assistant Treasurer, and the Certification of Corporate Principal (Doc. 00625) must be executed by the Secretary or Assistant Secretary.

**CORPORATION CERTIFICATE** SHEET FB-C-3

*(To be used when the bidder is a corporation)*

_____ is a corporation organized and existing
*(Corporate name used as Bidder name)*

under the laws of the state of _____ with its principal place of business at:

_____, _____, _____
*(Street Address)* *(City)* *(State)*

and, if a non-Pennsylvania corporation **[ ] has [ ] has not** *(check one)* been granted a certificate of authority to do business in Pennsylvania as required by the Pennsylvania Business Corporation Law, approved May 5, 1933, P.L. 364, as amended, 15 P.S. sec.2005 et seq.

I, _____, certify that I am the **[ ] Secretary [ ] Assistant Secretary** of the
*(check one)*
Corporation named a Bidder herein; that _____ who signed

this Bid on behalf of the Corporation was then _____ of said Corporation that
*(President/V.P.) ***

I know his signature and his signature thereto is genuine; and that said Bid was duly signed, sealed and attested in behalf of said Corporation by authority of its governing body.

*(CORPORATE SEAL)*

_____
*(Signature and Date)*

** If the bidder is a corporation, the Bid and the Contract must be executed in the Corporation's correct corporate name by its President or Vice President and its Secretary or Assistant Secretary or Treasurer or Assistant Treasurer, and the above Certificate must be executed by the Secretary or Assistant Secretary

HOUSING AUTHORITY OF THE CITY OF PITTSBURGH

**Family Recreational Area at Northview Heights, AMP-09**

# HACP CONTRACT NO. 600-11-26

## *SCOPE OF WORK FOR MECHANICAL CONSTRUCTION*

The Contract for Mechanical Construction shall consist of the following component parts:

**1. THE AGREEMENT**
(Bound in the Project Manual)

| | |
|---|---|
| THE BID | Document 00340 - Scope of Work for Mechanical Construction<br>Document 00341 - Form of Bid for Mechanical Construction |
| THE FORM OF AGREEMENT | Document 00500 - Form of Agreement<br>Document 00590 - Contracting Officer Certification |
| CONDITIONS OF THE CONTRACT | Document HUD - 5370 General Conditions<br>HACP Document - Supplemental General Conditions<br>Document 00830 - Wage Determination Schedule |

**2. PRIMARY SPECIFICATIONS FOR THE MECHANICAL CONSTRUCTION CONTRACT**
(Bound in the Project Manual)

All Work contained in the Primary Specifications listed below is the Work of the Contractor for this Mechanical Construction Contract unless specifically indicated otherwise.

Any Reference in the Primary Specifications to the "Contractor," the "Prime Contractor," or the "Mechanical Contractor" shall be interpreted as meaning the Contractor for this Mechanical Construction Contract.

The Mechanical Contractor shall coordinate the schedule and activities of work performed under this contract with that of those contracts identified as (G)-General, (E)-Electrical, and (P)-Plumbing.

**It is the contractual responsibility of the Contractor for Mechanical Construction to familiarize himself with the work of the other prime contractors so that the Project as a whole can proceed in an orderly fashion. Failure to familiarize work by other trades would not be an excuse for corrective measures at no cost to the City of Pittsburgh Housing Authority.**

For example, the Mechanical Contractor shall coordinate installation of mechanical construction work with the requirements of the Electrical, Plumbing, and General Contractors.

Reference Standard for Incidental Work: Incidental work, as used in this paragraph, is work which is not a basic part of other Prime Contracts but which is required by reference.

For example, the General Contractor is required by his Primary Specifications to install and repair all general work. In the event that the Plumbing Contractor disturbs the general work, the patching, repair shall be done and follow the same Specification requirements of the appropriate Specification Section by the Plumbing Contractor even if that specification section may not be part of the Plumbing Contractor's Primary Specification. The same applies to all trades where incidental work occurs.

TECHNICAL SPECIFICATIONS AND DRAWINGS MAY BE FOUND AT PART FOUR OF THE PROJECT MANUAL

**3. PRIMARY DRAWINGS FOR THE MECHANICAL CONSTRUCTION CONTRACT**
(Contained in the set of Project Drawings issued simultaneously with this Project Manual)

All Work contained in the Primary Drawings listed below is the Work of this Contractor unless specifically indicated otherwise.

Any Reference to the "Contractor," the "Prime Contractor," or the "Mechanical Contractor" shall be interpreted as meaning the Contractor for this Mechanical Construction Contract.

The Primary Drawings for this contract consist of all Tusick & Associates Architects, Inc. construction documents drawings, **dated** February 23, 2024 and specifications contained in this project manual.

In case of drawing conflict with specifications, it is understood that the specification shall supersede the drawings.

HOUSING AUTHORITY OF THE CITY OF PITTSBURGH

**Family Recreational Area at Northview Heights, AMP-09**

HACP Contract No. 600-11-26

# FORM OF BID

# MECHANICAL CONSTRUCTION

Contract No.: 600-11-26

TO: HOUSING AUTHORITY CITY OF PITTSBURGH
*(Hereinafter called the "Authority")*
412 Boulevard of the Allies, 6th Flr
Pittsburgh, PA 15219

BIDDER: _____
*(Bidder Name)*
_____
*(Business Address)*
_____

_____
*(Telephone)*

1. The undersigned Bidder, having visited the site, having become familiar with local conditions affecting the cost of the work**, including all City of Pittsburgh current code requirements**, and having become familiar with the Invitation for Bids (the IFB) issued by the Authority, which consists of the following:

   - Project Manual, dated February 9, 2026 containing Bidding Requirements, Contract Forms, Conditions of the Contract, and Specifications
   - Project Drawings, dated February 23, 2024
   - Addenda (if any) as enumerated in this Form of Bid

   hereby proposes to provide all supervision, technical personnel, labor, materials, machinery, tools, appurtenances, equipment and services required to construct and complete the Mechanical Construction Work as described in Document 00340 "Scope of Work for Mechanical Construction" and as indicated in the Drawings and Specifications, for the following Firm Fixed Price:

   _____Dollars ($ _____)
   *(Insert Bid Price in words)* *(Insert Bid Price in Figures)*

2. Bid security **[ ] is [ ] is not** submitted with this bid.
   *(Check one)*

   Bid Security is in amount of:

   _____% of the bid OR _____ Dollars ($_____)

Bid Security is in the form of:

| | | | |
|---|---|---|---|
| [ ] | Certified Check | [ ] | Bank Draft |
| [ ] | U.S. Govt. Bond | [ ] | Bid Bond (Document 00410) |

3. The Bidder hereby acknowledges receipt of the following Addenda, if any, as issued by the Authority:

Total number of Addenda _____ (if none, so state)

| | |
|---|---|
| Addendum No. _____dated _____ | Addendum No. _____ dated _____ |
| Addendum No. _____ dated _____ | Addendum No. _____ dated _____ |
| Addendum No. _____ dated _____ | Addendum No. _____ dated _____ |
| Addendum No. _____ dated _____ | Addendum No. _____ dated _____ |
| Addendum No. _____ dated _____ | Addendum No. _____ dated _____ |
| Addendum No. _____ dated _____ | Addendum No. _____ dated _____ |

4. The Bidder attaches hereto the Special Provisions (Document 00021);

5. The Bidder attaches hereto the Statement of Bidder's Qualifications (Document 00420);

6. The Bidder attaches hereto the Section 3 Opportunities Plan (Document 00433), MBE/WBE Solicitation and Commitment Record (Document 00434), Bidder Manpower Plan (Document 00435), and Previous Related Experience (Document 00436);

7. The Bidder attaches hereto the Bidder's Representations, Certifications and Other Statements of Bidders (Document HUD 5369-A), Previous Participation Certificate (Document HUD-2530);

8. The Bidder attaches hereto the Bidder's Special Provisions – Notice to All Prospective Bidders (Document 00437), Non-Collusion Affidavit (Document 00485);

9. The Bidder attaches hereto the completed Form of Agreement (Document 00500);

10. The Bidder attaches hereto the Supplemental General Conditions (HACP Document).

**PROPRIETORSHIP SIGNATURE PAGE** SHEET - FB-I

(To be used when the Bidder is an individual doing business as a Sole Proprietorship.)

THE BIDDER CERTIFIES THAT THE BIDDER IS:

[ ] An individual doing business in his/her own name
[ ] An individual doing business under a fictitious or assumed name
*(Complete Proprietorship Fictitious Name Disclosure below)*

SIGNED, SEALED AND DELIVERED

this _____ day of _____ 20 _____.

| | | | |
|---|---|---|---|
| | _____ *(Printed or Typed Name)* | | _____ *(Printed or Typed Name)* |
| *Witness* | | *Principal* | |
| { | | { | |
| | _____ *(Signature and Date)* | | _____ *(Signature and Date)* |

---

**PROPRIETORSHIP FICTITIOUS NAME DISCLOSURE**

*(To be used when the Bidder is an individual doing business under a fictitious or assumed name.)*

_____ is an individual trading under a fictitious or
*(Proprietor's Name)*

assumed name of _____ and **[ ] has [ ] has not** registered under
*(Fictitious or Assumed Name Used as Bidder's Name)* *(Check one)*

the Fictitious Names Act of Pennsylvania, namely the Act of May 24, 1945,P.L.967, as amended, 54 P.S.sec.281.1 et seq.

| | | | |
|---|---|---|---|
| | _____ *(Printed or Typed Name)* | | _____ *(Printed or Typed Name)* |
| *Witness* | | *Principal* | |
| { | | { | |
| | _____ *(Signature and Date)* | | _____ *(Signature and Date)* |

**PARTNERSHIP SIGNATURE PAGE** SHEET - FB-P-1

(To be used when the Bidder is an individual doing business as a Partnership.)

THE BIDDER CERTIFIES THAT THE BIDDER IS:

[ ] A General Partnership (Attach completed Sheet FB-P-3)
- [ ] Doing business under Partnership Name
- [ ] Doing business under a fictitious or assumed name
  (Complete Partnership Fictitious Name Disclosure Sheet FB-P-2)

[ ] A Limited Partnership (Attach completed Sheet FB-P-3)
- [ ] Doing business under Partnership Name
- [ ] Doing business under a fictitious or assumed name
  (Complete Partnership Fictitious Name Disclosure Sheet FB-P-2)

SIGNED, SEALED AND DELIVERED

this _____ day of _____ 20 _____.

| | | | |
|---|---|---|---|
| | _____ *(Printed or Typed Name)* | | _____ *(Printed or Typed Name)* |
| *Witness* | | *Partner ** | |
| { | _____ *(Signature and Date)* | { | _____ *(Signature and Date)* |
| | _____ *(Printed or Typed Name)* | | _____ *(Printed or Typed Name)* |
| *Witness* | | *Partner ** | |
| { | _____ *(Signature and Date)* | { | _____ *(Signature and Date)* |

* If the Bidder is a partnership, the Bid and Contract must be signed in the name of the partnership by at least two general partners, and the names and addresses of all the partners must be listed on the certificate on Sheet FB-P-3.

## PARTNERSHIP FICTITIOUS NAME DISCLOSURE

SHEET FB-P-2

*(To be used when the Bidder is a partnership doing business under a fictitious or assumed name.)*

_____ is a partnership trading under a fictitious or
*(Partnership's Name)*

assumed name of _____ and **[ ] has [ ] has not** registered under
*(Fictitious or Assumed Name Used as Bidder's Name)* *(Check one)*

the Fictitious Names Act of Pennsylvania, namely the Act of May 24, 1945,P.L.967, as amended, 54 P.S.sec.281.1 et seq.

| | | | |
|---|---|---|---|
| | _____ | | _____ |
| | *(Printed or Typed Name)* | | *(Printed or Typed Name)* |
| *Witness* | | *Partner** | |
| { | | { | |
| | _____ | | _____ |
| | *(Signature and Date)* | | *(Signature and Date)* |

**PARTNERSHIP CERTIFICATE** SHEET FB-P-3

(To be used when the Bidder is a partnership.)

I, as partner of _____,
*(Name of Partnership)*
certify that the following are the names and addresses of all the partners of said partnership.

| | |
|---|---|
| Name: _____ | Name: _____ |
| Address: _____ | Address: _____ |
| City: _____ | City: _____ |
| Name: _____ | Name: _____ |
| Address: _____ | Address: _____ |
| City: _____ | City: _____ |
| Name: _____ | Name: _____ |
| Address: _____ | Address: _____ |
| City: _____ | City: _____ |
| Name: _____ | Name: _____ |
| Address: _____ | Address: _____ |
| City: _____ | City: _____ |

(Use additional sheets as required.)

| | | | |
|---|---|---|---|
| | _____ *(Printed or Typed Name)* | | _____ *(Printed or Typed Name)* |
| *Witness* { | | *Partner** { | |
| | _____ *(Signature and Date)* | | _____ *(Signature and Date)* |

**CORPORATION SIGNATURE PAGE** SHEET FB-C-1

(To be used when the bidder is a corporation.)

THE BIDDER CERTIFIES THAT THE BIDDER IS:

[ ] A corporation doing business in its own name
[ ] A corporation doing business under a fictitious or assumed name
(Complete Corporation Fictitious Name Disclosure FB-C-2)

SIGNED, SEALED AND DELIVERED

this _____ day of _____ 20 _____.

*(CORPORATE SEAL)*

_____
*(Corporate Name)*

_____ _____
*(Printed or Typed Name)* *(Printed or Typed Name)*

*Witness* *President*
{ *V.P.*** {

_____ _____
*(Signature and Date)* *(Signature and Date)*

_____ _____
*(Corporate Title)* *(Corporate Title)*

** If the bidder is a corporation, the Bid and the Contract must be executed in the Corporation's correct corporate name by its President or Vice President and attested to by its Secretary or Assistant Secretary or Treasurer or Assistant Treasurer, and the Certification of Corporate Principal (Doc. 00625) must be executed by the Secretary or Assistant Secretary.

**CORPORATION FICTITIOUS NAME DISCLOSURE** SHEET FB-C-2

*(To be used when the Bidder is a corporation doing business under a fictitious or assumed name.)*

_____ is a corporation trading under a fictitious or
*(Corporation's Name)*

assumed name of _____ and **[ ] has [ ] has not** registered under
*(Fictitious or Assumed Name Used as Bidder's Name)* *(Check one)*

the Fictitious Names Act of Pennsylvania, namely the Act of May 24, 1945,P.L.967, as amended, 54 P.S.sec.281.1 et seq.

| | | | |
|---|---|---|---|
| | _____ *(Printed or Typed Name)* | | _____ *(Printed or Typed Name)* |
| *Witness* | | *President* | |
| { | | *V.P.* ** | { | |
| | _____ *(Signature and Date)* | | _____ *(Signature and Date)* |

** If the bidder is a corporation, the Bid and the Contract must be executed in the Corporation's correct corporate name by its President or Vice President and attested to by its Secretary or Assistant Secretary or Treasurer or Assistant Treasurer, and the Certification of Corporate Principal (Doc. 00625) must be executed by the Secretary or Assistant Secretary.

**CORPORATION CERTIFICATE** SHEET FB-C-3

*(To be used when the bidder is a corporation)*

_____ is a corporation organized and existing
*(Corporate name used as Bidder name)*

under the laws of the state of _____ with its principal place of business at:

_____, _____, _____
*(Street Address)* *(City)* *(State)*

and, if a non-Pennsylvania corporation **[ ] has [ ] has not** *(check one)* been granted a certificate of authority to do business in Pennsylvania as required by the Pennsylvania Business Corporation Law, approved May 5, 1933, P.L. 364, as amended, 15 P.S. sec.2005 et seq.

I, _____, certify that I am the **[ ] Secretary [ ] Assistant Secretary** of the
*(check one)*
Corporation named a Bidder herein; that _____ who signed

this Bid on behalf of the Corporation was then _____ of said Corporation that
*(President/V.P.) ***

I know his signature and his signature thereto is genuine; and that said Bid was duly signed, sealed and attested in behalf of said Corporation by authority of its governing body.

*(CORPORATE SEAL)*

_____
*(Signature and Date)*

** If the bidder is a corporation, the Bid and the Contract must be executed in the Corporation's correct corporate name by its President or Vice President and its Secretary or Assistant Secretary or Treasurer or Assistant Treasurer, and the above Certificate must be executed by the Secretary or Assistant Secretary

HOUSING AUTHORITY OF THE CITY OF PITTSBURGH

# BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we,

_____, as Principal, and
*(Insert name and address of Bidder exactly as it appears on Form of Bid)*

_____, as Sureties, are held and firmly bound unto the Housing Authority of the City of Pittsburgh, its certain attorney, successors, or assigns (the Obligee, hereinafter called the "Authority") in the penal sum of

_____Dollars ($_____)

lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, personal representatives, successors, and assigns, jointly and severally, firmly by these presents:

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas, the Principal simultaneously submits to the Authority the accompanying bid, dated

_____, 20_____ (the "Bid"), for construction of
*(Insert date of bid)*

_____
*(Insert name of project exactly as it appears on Form of Bid)*
pursuant to specifications, drawings and other related documents constituting the Invitation for Bids (the "IFB").

NOW, THEREFORE, if the Principal shall not withdraw said bid within the period specified therein after the opening of the same, or, if no period be specified, within sixty (60) days after the said opening, and shall within the period specified therefore, or, if no period be specified within ten (10) days after the prescribed forms are presented to him for signature, enter into a written contract with the Authority in accordance with the bid as accepted, and give bonds with good and sufficient surety or sureties, as may be required for the faithful performance and proper fulfillment of such contract and for the payment of labor and materialmen or in the event of the withdrawal of said bid within the period specified, or the failure to enter into such contract and give such bonds within the time specified, if the Principal shall pay the Authority the difference between the amount specified in said bid and the amount for which the Authority may procure the required work or supplies or both, if the latter amount be in excess of the former, then the above obligation shall be void and of no effect, otherwise to remain in full force and virtue.

SIGNED, SEALED AND DELIVERED IN _____ ORIGINAL COUNTERPARTS

this _____ day of _____ 20_____.

IF THE PRINCIPAL IS AN INDIVIDUAL, SIGN HERE

| | |
|---|---|
| _____ *(Printed or Typed Name)* | _____ *(Printed or Typed Name)* |
| *Witness* | *Principal* |
| { | { |
| _____ *(Signature and Date)* | _____ *(Signature and Date)* |

SURETY SIGN HERE

*(SURETY SEAL)*

| | |
|---|---|
| _____ *(Printed or Typed Name)* | _____ *(Printed or Typed Name)* |
| *Attest* | *Surety**** |
| { | { |
| _____ *(Signature and Date)* | _____ *(Signature and Date)* |

*** Power of attorney must be attached to this Bid Bond.

SIGNED, SEALED AND DELIVERED IN _____ ORIGINAL COUNTERPARTS

this _____ day of _____ 20_____.

---

IF THE PRINCIPAL IS A PARTNERSHIP, SIGN HERE

| | |
|---|---|
| _____ *(Printed or Typed Name)* | _____ *(Printed or Typed Name)* |
| *Witness* { | *Partner** { |
| _____ *(Signature and Date)* | _____ *(Signature and Date)* |
| _____ *(Printed or Typed Name)* | _____ *(Printed or Typed Name)* |
| *Witness* { | *Partner** { |
| _____ *(Signature and Date)* | _____ *(Signature and Date)* |

* If the Bidder is a partnership, the Bond must be signed in the name of the partnership by at least two general partners, whose names and addresses must be listed on the certificate on page BF-3-P of the Bid.

---

SURETY SIGN HERE

*(SURETY SEAL)*

| | |
|---|---|
| _____ *(Printed or Typed Name)* | _____ *(Printed or Typed Name)* |
| *Attest* { | *Surety**** { |
| _____ *(Signature and Date)* | _____ *(Signature and Date)* |

*** Power of attorney must be attached to this Bid Bond.

SIGNED, SEALED AND DELIVERED IN _____ ORIGINAL COUNTERPARTS

this _____ day of _____ 20_____.

IF THE PRINCIPAL IS A CORPORATION, SIGN HERE

*(CORPORATE SEAL)*

_____
*(Corporate Name)*

| | | | |
|---|---|---|---|
| | _____ *(Printed or Typed Name)* | | _____ *(Printed or Typed Name)* |
| *Attest* { | _____ *(Signature and Date)* | *President V.P.*** { | _____ *(Signature and Date)* |
| | _____ *(Corporate Title)* | | _____ *(Corporate Title)* |

** If the bidder is a corporation, the Bond must be executed in the Corporation's correct corporate name by its President or Vice President and attested to by its Secretary or Assistant Secretary or Treasurer or Assistant Treasurer, and the Certification of Corporate Principal below must be executed by the Secretary or Assistant Secretary.

CERTIFICATE AS TO CORPORATE PRINCIPAL

I, _____, certify that I am the
**[ ] Secretary [ ] Assistant Secretary** of the Corporation named a Bidder herein; that
*(check one)*

_____ who signed this Bid on behalf of the

Corporation was then _____ of said Corporation that I know his signature and his signature thereto is genuine; and that said Bid was duly signed, sealed and attested in behalf of said Corporation by authority of its governing body.

*(CORPORATE SEAL)*

_____
*(Signature and Date)*

SURETY SIGN HERE

*(SURETY SEAL)*

| | |
|---|---|
| _____ | _____ |
| *(Printed or Typed Name)* | *(Printed or Typed Name)* |
| *Attest* { | *Surety*** { |
| _____ | _____ |
| *(Signature and Date)* | *(Signature and Date)* |

*** Power of attorney must be attached to this Bid Bond.

HOUSING AUTHORITY OF THE CITY OF PITTSBURGH

# STATEMENT OF BIDDER'S QUALIFICATIONS

| | |
|---|---|
| _____ | Family Recreational Area at Northview Heights, AMP-09 |
| *(Bidder's Name)* | *(Project Name)* |
| _____ | _____ |
| *(Address)* | |
| _____ | 600-11-26 |
| | *(HACP Project No.)* |

Names of not more than two principals to contact:

| | |
|---|---|
| Name:_____ | Name:_____ |
| Title:_____ | Title:_____ |
| Telephone:_____ | Telephone:_____ |
| Email: _____ | Email: _____ |

AUTHORIZATION:

Excerpt from HUD 7460.8-REV-2 AND 2 CFR 200.318(h) & 24 CFR 905.160(a)(3):

"The evaluation of a contractor's ability to perform a contract is known as determining the contractor's responsibility. Has **shall** make awards only to **responsible** contractors possessing the ability to perform successfully under the terms and conditions of a proposed contract. Consideration **shall** be given to such matters as **contractor integrity, compliance with public policy, record of past performance, and financial and technical resources**.

"The award of a contract to an offeror **shall** not be made solely on the basis of the lowest evaluated price without considering the firm's ability to perform the required work. Some of the specific factors to consider include (1) whether the contractor performed satisfactorily on other HA Contracts, (2) is the contractor suspended or debarred from Federal Contracts, and (3) have other HAs has satisfactory performance from this contractor.

"A pre-award survey may entail an on-site inspection of the offeror's facilities, including a review of financial statements, record keeping, production capacity, or similar factors that impact on the ability to perform the contract.

"Recent unsatisfactory performance regarding either quality or timeliness of delivery is an example of a problem which the Contracting Officer **shall** consider and resolve as to its impact on the current procurement prior to making an affirmative determination of responsibility.

**ORGANIZATION**

THE BIDDER IS:

[ ] An individual doing business in his/her own name
[ ] An individual doing business under a fictitious or assumed name

[ ] A General Partnership
  [ ] Doing business under Partnership Name
  [ ] Doing business under a fictitious or assumed name

[ ] A Limited Partnership
  [ ] Doing business under Partnership Name
  [ ] Doing business under a fictitious or assumed name

[ ] A corporation doing business in its own name
[ ] A corporation doing business under a fictitious or assumed name

How many years has the bidder been in business as a Contractor? _____

How many years has the bidder been in business under its present business name? _____

Under what other or former names has the bidder operated?

**PAST PERFORMANCE**

CLAIMS AND SUITS. (If the answer to any of the questions below is yes, please attach explanation.)

**[ ] Yes [ ] No** Has the Bidder ever failed to complete any work awarded to it?

**[ ] Yes [ ] No** Are there any judgments, claims, arbitration proceedings or suits pending or outstanding against the bidder or its officers?

**[ ] Yes [ ] No** Has the bidder filed any law suits or requested arbitration with regard to construction contracts within the last five years?

**[ ] Yes [ ] No** Within the last five years, has any officer or principal of the bidder ever been an officer or principal of another organization when it failed to complete a construction contract? (If answer is yes, please attach details.)

State average annual amount of construction work performed during the past five years: $_____

State total worth of work in progress and under contract: $_____

**On a separate sheet,** list major construction projects the bidder has in progress, giving the name of project, owner, architect, contract amount, percent complete and scheduled completion date.

**On a separate sheet,** list the major projects the bidder has completed in the past five years, giving the name of project, owner, architect, contract amount, date of completion and percentage of the cost of the work performed with your own forces.

**FINANCIAL RESOURCES**

Financial Statement.

**Attach a financial statement (audited if available), including the bidder's latest balance sheet and income statement showing the following items:**

Current Assets (e.g. cash, joint venture accounts, accounts receivable, notes receivable, accrued income, deposits, materials inventory and prepaid expenses);
Net Fixed Assets;
Other Assets;
Current Liabilities (e.g. accounts payable, notes payable, accrued expenses, provision for income taxes, advances, accrued salaries and accrued payroll taxes);
Other Liabilities (e.g. capital, capital stock, authorized and outstanding shares par values, earned surplus and retained earnings).

Name and address of firm preparing attached financial statement, and date thereof:

**[ ] Yes [ ] No** Is the attached financial statement for the identical organization named on page one?

If not, explain the relationship and financial responsibility of the organization whose financial statement is provided (e.g., parent-subsidiary).

**[ ] Yes [ ] No** Will the organization whose financial statement is attached act as guarantor of the contract for construction?

**TECHNICAL RESOURCES**

Licensing:
List jurisdictions and trade categories in which the bidder is legally qualified to do business, and indicate registration or license numbers, if applicable.

Experiences:
List the categories of work that the bidder normally performs with its own forces.

**On a separate sheet,** list the construction experience and present commitments of the key individuals of the bidder.

**REFERENCES**

List Trade References (use separate sheet if necessary):

List Bank References (use separate sheet if necessary):

List previous HUD/USDA-FmHA projects and Section 8 Contracts (formerly Schedule A on HUD-2530). Applicable to construction contracts exceeding $50,000. List each principals name, previous project, principal's participation role and interest, and disclose defaults, mortgage relief, assignments and foreclosures. **Note that having a Master Schedule on file with HUD will not meet this requirement.**

**Certifications:** I (meaning the individual who signs as well as the corporations, partnerships or other parties listed above who certify) hereby apply to HUD or USDA-FmHA, as the case may be, for approval to participate as a principal in the role and project listed above based upon my following previous participation record of this Certification.

I certify that all the statements made by me are true, complete and correct to the best of my knowledge and belief and are made in good faith, including the data contained in Schedule A and Exhibits, signed by me and attached to this form.
**Warning:** HUD and/or the Authority will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1012;31 U.S.C. 3729, 3802)

I further certify that:

1. The list of previous HUD/USDA-FmHA projects and Section 8 Contracts contains a listing of every assisted or insured project of HUD, which I have been or am now a principal.

2. For the period beginning 10 years prior to the date of this certification, and except as shown by me on the certification.
   a. No mortgage on a project listed by me has ever been in default, assigned to the Government or foreclosed, nor has mortgage relief by the mortgagee been given;
   b. I have not experienced default or noncompliance under any Conventional Contract or Turnkey Contract of Sale in connection with a public housing project;
   c. To the best of my knowledge, there are no unresolved findings raised as a result of HUD audits, management reviews or other Governmental investigations concerning me or my projects;
   d. There has not been a suspension or termination of payments under any HUD assistance contract in which I have had a legal or beneficial interest;
   e. I have not been convicted of a felony and am not presently, to my knowledge, the subject of a complaint or indictment charging a felony. (A felony is defined as any offense punishable by imprisonment for a term exceeding one year, but does not include any offense classified as a misdemeanor under the laws of a State and punishable by imprisonment of two years or less);
   f. I have not been suspended, debarred or otherwise restricted by any Department or Agency of the Federal Government or of a State Government from doing business with such Department or Agency.

g. I have not defaulted on an obligation covered by a surety or performance bond and have not been the subject of a claim under an employee fidelity bond.

3. All the names of the parties, known to me to be principals in this project(s) in which I propose to participate, are listed above.

4. I am not a HUD/FmHA employee or a member of a HUD/FmHA employee's immediate household as defined in Standards of Ethical Conduct for Employees of the Executive Branch in 5 C.F.R. Part 2635 (57 FR 35006) and HUD's Standard of Conduct in 24 C.F.r. Part O and USDA's Standard of Conduct in 7 C.F.R. Part 9 Subpart B.

5. I am not a Housing Authority of the City of Pittsburgh employee or a member of an Authority employee's immediate family.

6. I am not a principal participant in an assisted or insured project as of this date on which construction has stopped for a period in excess of 20 days or which has been substantially completed for more than 90 days and documents for closing, including final cost certification have not been filed with HUD or FmHA.

7. To my knowledge I have not been found by HUD or FmHA to be in noncompliance with any applicable civil rights law.

8. I am not a Member of Congress or a Resident Commissioner nor otherwise prohibited or limited by law from contracting with the Government of the United States of America.

9. Statements above (if any) to which I cannot certify have been deleted by striking through the words with a pen. I have initialed each deletion (if any) and have attached a true and accurate signed statement (if applicable) to explain the facts and circumstances which I think helps to qualify me as a responsible principal for participation in this project.

*(Signature and Date)*

*(Typed or Printed Name)*

*(Title)*

*(Company Name)*

Subscribed and sworn to before me

this_____ day of _____, 20

---

My Commission expires _____, 20

All section 3 covered contracts shall include the following clause (referred to as the section 3 clause):

A. The work to be performed under this contract is subject to the requirements of section 3 of the Housing and Urban Development Act of 1968, as amended, 12 U.S.C. 1701u (section 3). The purpose of section 3 is to ensure that employment and other economic opportunities generated by HUD assistance or HUD-assisted projects covered by section 3, shall, to the greatest extent feasible, be directed to low- and very low-income persons, particularly persons who are recipients of HUD assistance for housing.

B. The parties to this contract agree to comply with HUD's regulations in 24 CFR part 75.15 and 75.25, which implement section 3. As evidenced by their execution of this contract, the parties to this contract certify that they are under no contractual or other impediment that would prevent them from complying with the part 75 regulations.

C. The contractor agrees to send to each labor organization or representative of workers with which the contractor has a collective bargaining agreement or other understanding, if any, a notice advising the labor organization or workers' representative of the contractor's commitments under this section 3 clause, and will post copies of the notice in conspicuous places at the work site where both employees and applicants for training and employment positions can see the notice. The notice shall describe the section 3 preference, shall set forth minimum number and job titles subject to hire, availability of apprenticeship and training positions, the qualifications for each; and the name and location of the person(s) taking applications for each of the positions; and the anticipated date the work shall begin.

D. The contractor agrees to include this section 3 clause in every subcontract subject to compliance with regulations in 24 CFR § 75.9 or §75.19, and agrees to take appropriate action, as provided in an applicable provision of the subcontract or in this section 3 clause, upon a finding that the subcontractor is in violation of the regulations in 24 CFR part 75. The contractor will not subcontract with any subcontractor where the contractor has notice or knowledge that the subcontractor has been found in violation of the regulations in 24 CFR part 75.

E. The contractor will certify that any vacant employment positions, including training positions, that are filled (1) after the contractor is selected but before the contract is executed, and (2) with persons other than those to whom the regulations of 24 CFR part 75 require employment opportunities to be directed, were not filled to circumvent the contractor's obligations under 24 CFR part 75.

F. Noncompliance with HUD's regulations in 24 CFR part 75 may result in sanctions, termination of this contract for default, and debarment or suspension from future HUD assisted contracts.

G. After the Section 3 new rule went into effect on November 30, 2020, Tribes and Tribally Designated Housing Entities under the Indian Housing Block Grant and Indian Community Development Block Grant programs are no longer required comply with Section 3 requirements. The new rule at 24 CFR part 75 provides that contracts, subcontracts, grants, or subgrants subject to Section 7(b) of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 5307(b)) or subject to tribal preference requirements as authorized under 101(k) of the Native American Housing Assistance and Self-Determination Act (25 U.S.C. 4111(k)) must provide preferences in employment, training, and business opportunities to Indians and Indian organizations, and are therefore not subject to the requirements of 24 CFR Part 75.

# Housing Authority City of Pittsburgh

Development and Modernization Department

Bidder's Section 3 Participation Form

## A. Bidder's Section 3 Hiring Plan

| Job Category | Total Estimated Positions Needed for Project | No. Positions Occupied by Permanent Employees* | Number of Positions Not Occupied | Number of Positions Available for Section 3 Residents |
|---|---|---|---|---|
| **Trade:** | | | | |
| Journeyman | | | | |
| Helper | | | | |
| Apprentices | | | | |
| Trainees | | | | |
| Laborer | | | | |
| Others | | | | |

*** Please submit a list of current employees to be assigned to this project including Dates of Hire**

## B. Bidder's Section 3 Subcontracting Plan

| SUB - CONTRACTOR'S NAME** | SUB - CONTRACTORS ADDRESS | PHONE NUMBER | FEDERAL TAX ID NO./ SS# | DESCRIPTION OF WORK | Sub - Contract Amount |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

**** If the Bidder has not identified a Section 3 subcontractor, please indicate if there will be any Section 3 subcontracting opportunity and describe scope of work**_____

Company Name Family Recreational Area at Northview Heights, AMP-09

Project Name 600-11-26

Project Number

Name and Title of Person Completing this Form

Signature and Date

**PLACE HOLDER FOR**

**ROSTER OF CURRENT EMPLOYEES**

**Pursuant to Housing Authority of the City of Pittsburgh Section 3 Program Manual, Part I, Section A - Section 3 Policy Statement (in part):**

*"HACP shall examine and consider a contractor's potential for success in providing employment and business opportunities to those covered under Section 3 prior to acting on any proposed contract award. In response to any RFP, RFQ or IFB HACP will require submission of the Section 3 Opportunities Plan and roster of current employees, and certification that the bidder will comply with the requirements of Section 3."*

## Section 3 Participation

With respect to work performed in connection with Section 3 covered Indian housing assistance, Section 7(b) of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 450e) also applies to the work to be performed under this contract. Section 7(b) requires that to the greatest extent feasible (i) preference and opportunities for training and employment shall be given to Indians, and (ii) preference in the award of contracts and subcontracts shall be given to Indian organizations and Indian-owned Economic Enterprises. Parties to this contract that are subject to the provisions of Section 3 and Section 7(b) agree to comply with Section 3 to the maximum extent feasible, but not in derogation of compliance with Section 7(b).

## RESIDENT HIRING REQUIREMENTS / RESIDENT HIRING SCALE

| TOTAL LABOR DOLLARS USE TOTAL CONTRACT AMOUNT FOR SERVICE CONTRACTS | RESIDENT LABOR AS A % OF TOTAL LABOR DOLLARS |
|---|---|
| Labor dollars $25,000 but less than $100,000 | 10% of the labor dollars |
| $100,000, but less than $200,000 | 9% of the labor dollars |
| At least $200,000, but less than $300,000 | 8% of the labor dollars |
| At least $300,000, but less than $400,000 | 7% of the labor dollars |
| At least $400,000, but less than $500,000 | 6% of the labor dollars |
| At least $500,000, but less than $1 million | 5% of the labor dollars |
| At least $1 million, but less than $2 million | 4% of the labor dollars |
| At least $2 million, but less than $4 million | 3% of the labor dollars |
| At least $4 million, but less than $7 million | 2% of the labor dollars |
| $7 million or more | ½ to 1 % of the labor dollars |

A copy of HACP's Section 3 Program Manual is available for download at www.HACP.org.

# SECTION 3 OPPORTUNITIES PLAN

**Business Opportunities and Employment Training for Housing Authority of the City of Pittsburgh Low-Income Public Housing Residents (LIPH) and Area Residents of Low and Very Low-Income Status (ARLIS)**

**PRIME CONTRACTOR'S NAME:** _____
**SPECIFICATION OR RFP/IFB/RFQ NUMBER:** 600-11-26
**SPECIFICATION OR RFP/IFB/RFQ TITLE:** Family Recreational Area at Northview Heights, AMP-09

The Contractor hereby agrees to comply with all the provisions of Section 3 as set forth in 24 CFR Part 75 et seq. and the HACP Section 3 Policy and Program requirements. The Contractor hereby submits this document to identify employment opportunities for HACP residents (LIPH) and **Area Residents of Low and Very Low Income Status (ARLIS**) during the term of the contract between the Contractor and the HACP.

The preference of HACP is to ensure that as many HACP residents as possible are employed. In an effort to further that requirement, HACP has created a preference tier structure as outlined in the HACP Section 3 Policy and Program Manual which can be reviewed by visiting the "Vendor Services" section of www.hacp.org. Contractors are required to comply with Section 3 by first considering Tier I – Hiring. If the Contractor cannot meet its Section 3 requirement in Tier I and needs to move to Tier II or Tier III, that Contractor must document this inability to comply with the preference and the need to move to a lower tier. (Such inability **must** be documented for moves within tiers). The Contractor agrees to meet its Section 3 requirement following the Preferential Tier Structure as indicated by the selection below (check one or more tiers below):

## [ ] Tier I – HIRING

The Contractor affirms that the jobs identified shall be for meaningful employment that may or may not be related to the scope of services covered under Contract/Purchase Order # 600-11-26.
The Contractor has committed to employ _____ resident(s) in order to comply with its Section 3 requirements. A prime contractor may satisfy the HACP Resident Hiring Requirements through his/her subcontractors. **Contact the HACP Resident Employment/Section 3 Program for resident referrals at 412-643-2761, Ext 2761.**

When Tier I is selected, the Contractor shall complete the following table as instructed below:

(1) Indicate each job title for all phases of this contract
(2) The number of positions that will be needed in each category
(3) How many of those positions are currently filled
(4) The number currently filled by low and very low-income HACP residents
(5) The number currently filled by City of Pittsburgh neighborhood area residents
(6) How many positions need to be filled

Indicate your requirement for the number of positions you intend to fill with:

(7) Low income HACP Residents (LIPH) and/or
(8) Low and very low income City of Pittsburgh Neighborhood Area Residents (ARLIS)

# SECTION 3 OPPORTUNITIES PLAN

| Section 3 Labor Utilization Assessment and Plan | | | | | | | |
|---|---|---|---|---|---|---|---|
| SPEC or RFP TITLE: Family Recreational Area at Northview Heights, AMP-09 | | | | | SPEC or RFP NUMBER: 600-11-26 | | |
| JOB TITLE (1) | NUMBER OF POSITIONS | | | | | HIRING REQUIREMENT | |
| | # NEEDED (2) | CURRENTLY FILLED | | | TO BE FILLED (6) | LIPH (7) | ARLIS (8) |
| | | TOTAL (3) | LIPH (4) | ARLIS (5) | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

**LIPH – HACP low income public housing resident**
**ARLIS - Area Residents of Low/Very Low Income Status – (Area is the Pittsburgh metropolitan area)**

In the event the value of Section 3 resident hiring is less than the amount identified in the Resident Hiring Scale, vendors must contribute to the HACP Education Fund an amount not less than the difference between the value of Section 3 hiring and the amount identified in the Resident Hiring Scale, which funds shall be used to provide other economic opportunities.
Therefore, if it is anticipated that any position listed above shall be for less than the full term of the contract period, you must indicate on the lines below, the anticipated term for each position:

_____

_____

# SECTION 3 OPPORTUNITIES PLAN

## [ ] Tier II – CONTRACTING

The contractor has identified _____ HACP resident-owned business(es) or _____ Section 3 business(es) which is/are 51 percent or more owned by low-or very low-income persons or Over 75 percent of the labor hours performed for the business over the prior three-month period are performed by Section 3 workers. This will satisfy the contractor's Section 3 requirement covered under Contract/Purchase Order # 600-11-26 .

**In a one (1) page letter on your firm's letterhead:**

**1)** Indicate the requirements, expressed in terms of percentage, of planned contracting dollars for the use of Section 3 business concerns as subcontractors.

**2)** A statement of the total dollar amount to be contracted, total dollar amount to be contracted to Section 3 business concerns for building trades and total dollar amount to be contracted to Section 3 business concerns for other than building trades work (maintenance, repair, modernization, and development).

**3)** A description of the method used to develop the requirements above and the efforts to be undertaken by the contractor to meet those requirements.

## [ ] Tier III - OTHER ECONOMIC OPPORTUNITIES

Firms may provide other economic opportunities to train and employ Section 3 residents or make a direct cash contribution to the HACP Education Fund. HACP has established the following minimum threshold requirements for provision of training or contribution to the HACP fund that provides other economic opportunities:

a) Contractor incurs the cost of providing skilled training for residents in an amount commensurate with the sliding scale set forth in the Resident Hiring Scale; or,

b) Contractor makes a contribution to the HACP Education Fund at Clean Slate E3 to provide assistance to residents to obtain training. The level of contribution would be commensurate with the sliding scale set forth in the Resident Hiring Scale.

Contractor shall provide, in a letter on firm letterhead:

1) Indication of the skilled training to be provided, the number of persons to be trained, the training provider, the cost of training, and the trainee recruitment plan; or,
2) Provide the amount of planned contribution to be made in relation to percentage of the contract labor hour's costs. (Contribution checks should be made payable to: **Clean Slate E3 Education Fund and mailed to Clean Slate E3, C/O Housing Authority of the City of Pittsburgh, Finance Department, 412 Boulevard of the Allies, 7th Floor, Pittsburgh, PA 15219.**

## [ ] Tier IV – No New Hire Opportunity

If awarded this contract, the contractor will be able to fulfill the requirements of the IFB/RFP/RFQ with the existing work force. No new hires will be employed as a result of this award. If this position changes and hiring opportunities become necessary, the HACP Resident Employment Program will be notified.

# SECTION 3 OPPORTUNITIES PLAN

**By signing below, the Contractor hereby agrees to comply with the selected Section 3 requirements indicated above. To the extent that the completion of this form is contingent upon future information, for example price negotiations, request for specific services, etc., the undersigned hereby affirms and agrees to fully adhere to the spirit and intent of the HACP Section 3 Policy.**

**Furthermore, the undersigned acknowledges and affirms responsibility for completion and submission of this form as part of the response documentation for this Invitation for Bid or Request for Proposal. Failure to submit this form may jeopardize the responsiveness of your submission.**

Company Name: _____

Name: _____

Title: _____

Signature: _____ Date: _____

Witness Name: _____

Witness Signature: _____ Date: _____

HOUSING AUTHORITY OF THE CITY OF PITTSBURGH
MBE/WBE SOLICITATION AND COMMITMENT RECORD

**SOLICITATION AND COMMITMENT STATEMENT**
MINORITY (MBE) AND FEMALE (WBE) OWNED BUSINESS ENTERPRISES

| BID NUMBER **600-11-26** | NAME OF BIDDER | ADDRESS | PHONE |
|---|---|---|---|
| | | | |

List below All MBE/WBE's that were solicited - whether or not a commitment was obtained -- Copy this form as necessary

| _____MBE _____WBE | TYPE OF SUBCONTRACT WORK OR MATERIALS | DATE SOLICITED BY PHONE | DATE SOLICITED BY MAIL | COMMITMENT MADE **YES** (IF YES, GIVE DATE) | COMMITMENT MADE **NO** | GIVE REASON(S) IF NO COMMITMENT MADE |
|---|---|---|---|---|---|---|
| COMPANY NAME | | | | | | |
| ADDRESS | | QUOTE RECEIVED | | AMOUNT COMMITTED | | |
| CONTACT PERSON PHONE | | YES | NO | DOLLAR AMOUNT $ | | |
| | | | | PERCENT OF TOTAL BID % | | |

| _____MBE _____WBE | TYPE OF SUBCONTRACT WORK OR MATERIALS | DATE SOLICITED BY PHONE | DATE SOLICITED BY MAIL | COMMITMENT MADE **YES** (IF YES, GIVE DATE) | COMMITMENT MADE **NO** | GIVE REASON(S) IF NO COMMITMENT MADE |
|---|---|---|---|---|---|---|
| COMPANY NAME | | | | | | |
| ADDRESS | | QUOTE RECEIVED | | AMOUNT COMMITTED | | |
| CONTACT PERSON PHONE | | YES | NO | DOLLAR AMOUNT $ | | |
| | | | | PERCENT OF TOTAL BID % | | |

| _____MBE _____WBE | TYPE OF SUBCONTRACT WORK OR MATERIALS | DATE SOLICITED BY PHONE | DATE SOLICITED BY MAIL | COMMITMENT MADE **YES** (IF YES, GIVE DATE) | COMMITMENT MADE **NO** | GIVE REASON(S) IF NO COMMITMENT MADE |
|---|---|---|---|---|---|---|
| COMPANY NAME | | | | | | |
| ADDRESS | | QUOTE RECEIVED | | AMOUNT COMMITTED | | |
| CONTACT PERSON PHONE | | YES | NO | DOLLAR AMOUNT $ | | |
| | | | | PERCENT OF TOTAL BID % | | |

Prepared by: Title: Phone:

NOTE: Certification and letters of intent for each MBE/WBE commitment must accompany this document.

# MBE/WBE Participation Plan

I. SMALL BUSINESS PARTICIPATION
Is the Bidder a Small Business as defined by the size and standards in 13 CFR 121?

Yes _____ No _____

II. MINORITY BUSINESS PARTICIPATION
Is the Bidder classified as a Minority Business Enterprise?

Yes _____ No _____

If "No", are any Subcontractors classified as Minority Business enterprises?

Yes _____ No _____

If "Yes", please fill in the following chart:

| Consulting Firm(s) (MBE) | $ Value Contract | % of Fee |
|---|---|---|
| | | |
| | | |
| | | |

III. WOMEN-OWNED BUSINESS PARTICIPATION
Is the Bidder classified as a Woman-Owned Business Enterprise?

Yes _____ No _____

If "No", area any Subcontractors classified as Women-Owned Business Enterprises?

Yes _____ No _____

If "Yes", please fill in the following chart:

| Consulting Firm(s) (WBE) | $ Value Contract | % of Fee |
|---|---|---|
| | | |
| | | |
| | | |

****All MBE/WBE firms must be certified.**
**In order for the MBE/WBE participation plan to be complete, copies of MBE/WBE certification must be included for all firms listed.**

HOUSING AUTHORITY OF THE CITY OF PITTSBURGH
MBE/WBE RECORD
MBE/WBE SOLICITATION AND COMMITMENT STATEMENT
**MBE/WBE 3-YEAR RECORD**

BIDDERS NAME: _____
ADDRESS: _____
TELEPHONE: _____
CONTACT PERSON: _____
PROPOSAL AND BID FOR: **600-11-26**

| List below all contracts with the Housing Authority of the City of Pittsburgh during the past three years and the MBE and WBE participation obtained. | | | | | |
|---|---|---|---|---|---|
| CONTRACT TITLE | CONTRACT DATE | AMOUNT | % PARTICIPATION MBE | WBE | COMMENTS |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Prepared by: Title: Phone:

HOUSING AUTHORITY OF THE CITY OF PITTSBURGH
MBE/WBE SOLICITATION AND COMMITMENT STATEMENT
**ADDITIONAL INFORMATION SHEET**

| |
|---|
| The bidder presents the following as additional and supplemental information to its MBE/WBE Solicitation and Commitment Statement. |

Prepared by: Title: Phone:

HOUSING AUTHORITY OF THE CITY OF PITTSBURGH
MBE/WBE EXHIBIT

**MBE/WBE COMMITMENT WAIVER REQUEST FORM**

BIDDER'S FIRM:_____
ADDRESS:_____
TELEPHONE:_____
CONTACT PERSON:_____
PROPOSAL AND BID FOR: **600-11-26**

Waiver of the MBE/WBE participation requirement is requested for the following reasons:

Prepared by: Title: Phone:

NOTE: The fully completed MBE/WBE Solicitation and Commitment Statement must accompany this waiver request.

# Notice of Requirement for Affirmative Action to Ensure Equal Employment Opportunity (Executive Order 11625)

1. The Offeror's or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Specifications" set forth herein.

2. The goals for minority and female participation at the Housing Authority of the City of Pittsburgh are pursuant to the Mayor's promulgated Executive Order, and the action of the Housing Authority Board. Expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, these goals are seventeen percent (18%) of the total cost of the contract to be expended for minority participation and six percent (7%) for women participation. These goals are applicable to all the Contractor's construction work (whether or not it is Federal or federally assisted) performed in the covered area. If the contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and nonfederally involved construction.
   The Contractor's compliance with the Executive Order and the regulations in Section 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in Section 41 CFR Part 60-4.3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in Section 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Contractor shall provide written notification, within 10 working days of award of any construction subcontract in excess of $10,000 at any tier for construction work under the contract resulting from this solicitation, to:
   LaVaris Ross, Labor Standards Specialist
   U.S. Department of Housing and Urban Development
   Office of Davis Bacon & Labor Standards (DBLS)
   Bank of America Building, Tower II
   100 S. Charles Street, Suite 500
   Baltimore, MD 21201
   The notification shall list the name, address and telephone number of the subcontractor; employer identification number of the subcontractor; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the subcontract is to be performed.

4. As used in this Notice, and in the contract resulting from this solicitation, the "covered area" is within the Commonwealth of Pennsylvania, County of Allegheny, City of Pittsburgh.

# NOTICE TO ALL PROSPECTIVE BIDDERS

**REQUEST FOR MANPOWER PLAN**
**Family Recreational Area at Northview Heights, AMP-09**

**HACP CONTRACT NO.** 600-11-26

**Each bid must include a separate Manpower Plan and Major Equipment List for this Invitation for Bids. The Manpower Plan must include (1) the names of the bidder's personnel to be assigned to the Project, (2) trade/position, (3) Social Security Number or Driver's License Number and (4) Employee Date of Hire.**

**In the event you are bidding on multiple HACP construction work, each bid must include a separate Manpower Plan and Major Equipment List that clearly demonstrates that the bidder has the capacity and will not use the same personnel and equipment on more than one HACP construction work that are being executed simultaneously within the next 180 days.**

**HACP will use this information to determine whether the bidder has the capacity to perform the work.**

**Please acknowledge receipt of this Notice by completing the information below and the attached and including copies in your bid.**

**Bidder's Name:** _____

**Name of the Person Signing the Bid:** _____

**Signature of the Person Signing the Bid:** _____

**Bid Due Date:** _____

Bidder's Planned Manpower

Provide Employee Name, Trade/Position, Social Security Number or Driver's License Number and Date of Hire for each employee:
(use additional sheets if necessary).

| Name | Position | Social Security No. or Driver's License No. | | Date of Hire |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

**SPECIAL PROVISIONS**
**FOR INVITATION FOR BIDS (IFB)**

REQUEST FOR INFORMATION

Each bidder must submit the following information to assist the Owner to determine if the Bidder has the capacity to perform the required work under this **Project Name:** Family Recreational Area at Northview Heights, AMP-09 **IFB No.** 600-11-26 .

**Bidder's Capacity**

Provide information demonstrating the Bidder's ability to provide the resources necessary for the timely and efficient implementation of the construction work. Due to the nature of this procurement, capacity will also be evaluated based on the Bidder's ability to complete the work on time and within budget, therefore, please describe the Bidder's Capacity as follows:

1. Manpower Plan and Major Equipment List (Please complete **Form 00435-1 & 2**).
2. List a maximum of three-(3) current or completed ***Housing Authority of the City of Pittsburgh*** related projects, the **Initial Contract Value, Change Orders, if any, and Final Contract Value**. If the project was not completed within budget and on time, please explain the circumstances and/or justification for the change order(s): Please attach a separate sheet if you do not have sufficient space.

| Project # | Initial Contract Value | Change Order(s) | Final Contract Value |
|---|---|---|---|
| a. | | | |
| b. | | | |
| c. | | | |

Justification for Change Orders/Schedule:_____
_____

3. List at least three-(3) other Owners including one current or completed project plus the following information:

| Vendor's Name & Contact # | Initial Contract Value | Change Order(s) | Final Contract Value |
|---|---|---|---|
| a. | | | |
| b. | | | |
| c. | | | |

Justification for Change Orders/Schedule:_____
_____

***The Bidder hereby certifies that the information provided above is accurate/correct and provision of false information can be a basis for the rejection of this bid:***

Bidder's Name:_____ Bidder's Signature:_____
Date:_____

# NOTICE TO ALL PROSPECTIVE BIDDERS

**Previous Related Experience**
**for**

**Family Recreational Area at Northview Heights, AMP-09**

**HACP CONTRACT NO.** 600-11-26

**The bidder shall list three (3) firms, governmental units, or persons for whom the bidder has previously performed work of the nature requested under this IFB. Bidder shall list as references all housing authorities, including HACP, for whom the bidder has previously performed work of the nature requested under this IFB. HACP reserves the right to contact such persons at anytime prior to award and the bidder agrees that HACP may rely on information provided by such persons to determine the bidder's responsibility.**

**In addition to the references, all bidders will provide the last three jobs they performed, contact information from the job and all change orders related to the job and the reason for each.**

**All bidders will provide information on the most recet HACP job to include all change order information and the reason for each. The most recent HACP job can be one of the 3 last jobs performed if that is the case.**

| **Reference 1** | | | |
|---|---|---|---|
| **Project:** | | | |
| **Contact:** | | | |
| **Contact Telephone Number:** | | | |
| **Contract Amount:** | | | |
| **Change Orders** | | | |
| **Number** | **Total $ Value per Change** | **Description of Change** | **Reason for Change** |
| **1** | | | |
| **2** | | | |
| **3** | | | |
| **4** | | | |
| **5** | | | |
| **6** | | | |
| **7** | | | |
| **8** | | | |
| **9** | | | |
| **10** | | | |

**Previous Related Experience**
**for**
## Family Recreational Area at Northview Heights, AMP-09

**HACP CONTRACT NO.** 600-11-26

**The bidder shall list three (3) firms, governmental units, or persons for whom the bidder has previously performed work of the nature requested under this IFB. Bidder shall list as references all housing authorities, including HACP, for whom the bidder has previously performed work of the nature requested under this IFB. HACP reserves the right to contact such persons at anytime prior to award and the bidder agrees that HACP may rely on information provided by such persons to determine the bidder's responsibility.**

**In addition to the references, all bidders will provide the last three jobs they performed, contact information from the job and all change orders related to the job and the reason for each.**

**All bidders will provide information on the most recet HACP job to include all change order information and the reason for each. The most recent HACP job can be one of the 3 last jobs performed if that is the case.**

| **Reference 2** | | | |
|---|---|---|---|
| **Project:** | | | |
| **Contact:** | | | |
| **Contact Telephone Number:** | | | |
| **Contract Amount:** | | | |
| **Change Orders** | | | |
| **Number** | **Total $ Value per Change** | **Description of Change** | **Reason for Change** |
| **1** | | | |
| **2** | | | |
| **3** | | | |
| **4** | | | |
| **5** | | | |
| **6** | | | |
| **7** | | | |
| **8** | | | |
| **9** | | | |
| **10** | | | |

**Previous Related Experience**
**for**

## Family Recreational Area at Northview Heights, AMP-09

**HACP CONTRACT NO.** 600-11-26

**The bidder shall list three (3) firms, governmental units, or persons for whom the bidder has previously performed work of the nature requested under this IFB. Bidder shall list as references all housing authorities, including HACP, for whom the bidder has previously performed work of the nature requested under this IFB. HACP reserves the right to contact such persons at anytime prior to award and the bidder agrees that HACP may rely on information provided by such persons to determine the bidder's responsibility.**

**In addition to the references, all bidders will provide the last three jobs they performed, contact information from the job and all change orders related to the job and the reason for each.**

**All bidders will provide information on the most recet HACP job to include all change order information and the reason for each. The most recent HACP job can be one of the 3 last jobs performed if that is the case.**

| **Reference 3** | | | |
|---|---|---|---|
| **Project:** | | | |
| **Contact:** | | | |
| **Contact Telephone Number:** | | | |
| **Contract Amount:** | | | |
| **Change Orders** | | | |
| **Number** | **Total $ Value per Change** | **Description of Change** | **Reason for Change** |
| **1** | | | |
| **2** | | | |
| **3** | | | |
| **4** | | | |
| **5** | | | |
| **6** | | | |
| **7** | | | |
| **8** | | | |
| **9** | | | |
| **10** | | | |

**Previous Related Experience**
**for**
**Family Recreational Area at Northview Heights, AMP-09**

**HACP CONTRACT NO.** 600-11-26

**The bidder shall list three (3) firms, governmental units, or persons for whom the bidder has previously performed work of the nature requested under this IFB. Bidder shall list as references all housing authorities, including HACP, for whom the bidder has previously performed work of the nature requested under this IFB. HACP reserves the right to contact such persons at anytime prior to award and the bidder agrees that HACP may rely on information provided by such persons to determine the bidder's responsibility.**

**In addition to the references, all bidders will provide the last three jobs they performed, contact information from the job and all change orders related to the job and the reason for each.**

**All bidders will provide information on the most recet HACP job to include all change order information and the reason for each. The most recent HACP job can be one of the 3 last jobs performed if that is the case.**

| **Reference 4** | | | |
|---|---|---|---|
| **Project:** | | | |
| **Contact:** | | | |
| **Contact Telephone Number:** | | | |
| **Contract Amount:** | | | |
| **Change Orders** | | | |
| **Number** | **Total $ Value per Change** | **Description of Change** | **Reason for Change** |
| **1** | | | |
| **2** | | | |
| **3** | | | |
| **4** | | | |
| **5** | | | |
| **6** | | | |
| **7** | | | |
| **8** | | | |
| **9** | | | |
| **10** | | | |

**Previous Related Experience**
**for**
**Family Recreational Area at Northview Heights, AMP-09**

**HACP CONTRACT NO.** 600-11-26

**The bidder shall list three (3) firms, governmental units, or persons for whom the bidder has previously performed work of the nature requested under this IFB. Bidder shall list as references all housing authorities, including HACP, for whom the bidder has previously performed work of the nature requested under this IFB. HACP reserves the right to contact such persons at anytime prior to award and the bidder agrees that HACP may rely on information provided by such persons to determine the bidder's responsibility.**

**In addition to the references, all bidders will provide the last three jobs they performed, contact information from the job and all change orders related to the job and the reason for each.**

**All bidders will provide information on the most recet HACP job to include all change order information and the reason for each. The most recent HACP job can be one of the 3 last jobs performed if that is the case.**

| **Reference 5** | | | |
|---|---|---|---|
| **Project:** | | | |
| **Contact:** | | | |
| **Contact Telephone Number:** | | | |
| **Contract Amount:** | | | |
| **Change Orders** | | | |
| **Number** | **Total $ Value per Change** | **Description of Change** | **Reason for Change** |
| **1** | | | |
| **2** | | | |
| **3** | | | |
| **4** | | | |
| **5** | | | |
| **6** | | | |
| **7** | | | |
| **8** | | | |
| **9** | | | |
| **10** | | | |

**Previous Related Experience**
**for**
**Family Recreational Area at Northview Heights, AMP-09**

**HACP CONTRACT NO.** 600-11-26

**The bidder shall list three (3) firms, governmental units, or persons for whom the bidder has previously performed work of the nature requested under this IFB. Bidder shall list as references all housing authorities, including HACP, for whom the bidder has previously performed work of the nature requested under this IFB. HACP reserves the right to contact such persons at anytime prior to award and the bidder agrees that HACP may rely on information provided by such persons to determine the bidder's responsibility.**

**In addition to the references, all bidders will provide the last three jobs they performed, contact information from the job and all change orders related to the job and the reason for each.**

**All bidders will provide information on the most recet HACP job to include all change order information and the reason for each. The most recent HACP job can be one of the 3 last jobs performed if that is the case.**

| **Reference 6** | | | |
|---|---|---|---|
| **Project:** | | | |
| **Contact:** | | | |
| **Contact Telephone Number:** | | | |
| **Contract Amount:** | | | |
| **Change Orders** | | | |
| **Number** | **Total $ Value per Change** | **Description of Change** | **Reason for Change** |
| **1** | | | |
| **2** | | | |
| **3** | | | |
| **4** | | | |
| **5** | | | |
| **6** | | | |
| **7** | | | |
| **8** | | | |
| **9** | | | |
| **10** | | | |

**Previous Related Experience**
**for**
**Family Recreational Area at Northview Heights, AMP-09**

**HACP CONTRACT NO.** 600-11-26

**The bidder shall list three (3) firms, governmental units, or persons for whom the bidder has previously performed work of the nature requested under this IFB. Bidder shall list as references all housing authorities, including HACP, for whom the bidder has previously performed work of the nature requested under this IFB. HACP reserves the right to contact such persons at anytime prior to award and the bidder agrees that HACP may rely on information provided by such persons to determine the bidder's responsibility.**

**In addition to the references, all bidders will provide the last three jobs they performed, contact information from the job and all change orders related to the job and the reason for each.**

**All bidders will provide information on the most recet HACP job to include all change order information and the reason for each. The most recent HACP job can be one of the 3 last jobs performed if that is the case.**

| **Reference 7** | | | |
|---|---|---|---|
| **Project:** | | | |
| **Contact:** | | | |
| **Contact Telephone Number:** | | | |
| **Contract Amount:** | | | |
| **Change Orders** | | | |
| **Number** | **Total $ Value per Change** | **Description of Change** | **Reason for Change** |
| **1** | | | |
| **2** | | | |
| **3** | | | |
| **4** | | | |
| **5** | | | |
| **6** | | | |
| **7** | | | |
| **8** | | | |
| **9** | | | |
| **10** | | | |

***All contractors MUST submit 3 references and most recent HACP Job if applicable.**

**U.S. Department of Housing and Urban Development**

Office of Public and Indian Housing

# Representations, Certifications, and Other Statements of Bidders

# Public and Indian Housing Programs

# Representations, Certifications, and Other Statements of Bidders

Public and Indian Housing Programs

**Table of Contents**


| Clause | | Page |
|---|---|---|
| 1. | Certificate of Independent Price Determination | 1 |
| 2. | Contingent Fee Representation and Agreement | 1 |
| 3. | Certification and Disclosure Regarding Payments to Influence Certain Federal Transactions | 1 |
| 4. | Organizational Conflicts of Interest Certification | 2 |
| 5. | Bidder's Certification of Eligibility | 2 |
| 6. | Minimum Bid Acceptance Period | 2 |
| 7. | Small, Minority, Women-Owned Business Concern Representation | 2 |
| 8. | Indian-Owned Economic Enterprise and Indian Organization Representation | 2 |
| 9. | Certification of Eligibility Under the Davis-Bacon Act | 3 |
| 10. | Certification of Nonsegregated Facilities | 3 |
| 11. | Clean Air and Water Certification | 3 |
| 12. | Previous Participation Certificate | 3 |
| 13. | Bidder's Signature | 3 |


## 1. Certificate of Independent Price Determination

(a) The bidder certifies that--

(1) The prices in this bid have been arrived at independently, without, for the purpose of restricting competition, any consultation, communication, or agreement with any other bidder or competitor relating to (i) those prices, (ii) the intention to submit a bid, or (iii) the methods or factors used to calculate the prices offered;

(2) The prices in this bid have not been and will not be knowingly disclosed by the bidder, directly or indirectly, to any other bidder or competitor before bid opening (in the case of a sealed bid solicitation) or contract award (in the case of a competitive proposal solicitation) unless otherwise required by law; and

(3) No attempt has been made or will be made by the bidder to induce any other concern to submit or not to submit a bid for the purpose of restricting competition.

(b) Each signature on the bid is considered to be a certification by the signatory that the signatory--

(1) Is the person in the bidder's organization responsible for determining the prices being offered in this bid or proposal, and that the signatory has not participated and will not participate in any action contrary to subparagraphs (a)(l) through (a)(3) above; or

(2) (i) Has been authorized, in writing, to act as agent for the following principals in certifying that those principals have not participated, and will not participate in any action contrary to subparagraphs (a)(l) through (a)(3) above.

_____ [insert full name of person(s) in the bidder's organization responsible for determining the prices offered in this bid or proposal, and the title of his or her position in the bidder's organization];

(ii) As an authorized agent, does certify that the principals named in subdivision (b)(2)(i) above have not participated, and will not participate, in any action contrary to subparagraphs (a)(1) through (a)(3) above; and

(iii) As an agent, has not personally participated, and will not participate in any action contrary to subparagraphs (a)(1) through (a)(3) above.

(c) If the bidder deletes or modifies subparagraph (a)2 above, the bidder must furnish with its bid a signed statement setting forth in detail the circumstances of the disclosure.

☑ [Contracting Officer check if following paragraph is applicable]

(d) Non-collusive affidavit. (applicable to contracts for construction and equipment exceeding $50,000)

(1) Each bidder shall execute, in the form provided by the PHA/IHA, an affidavit to the effect that he/she has not colluded with any other person, firm or corporation in regard to any bid submitted in response to this solicitation. If the successful bidder did not submit the affidavit with his/her bid, he/she must submit it within three (3) working days of bid opening. Failure to submit the affidavit by that date may render the bid nonresponsive. No contract award will be made without a properly executed affidavit.

(2) A fully executed "Non-collusive Affidavit" [ ] is, [ ] is not included with the bid.

## 2. Contingent Fee Representation and Agreement

(a) Definitions. As used in this provision:

"Bona fide employee" means a person, employed by a bidder and subject to the bidder's supervision and control as to time, place, and manner of performance, who neither exerts, nor proposes to exert improper influence to solicit or obtain contracts nor holds out as being able to obtain any contract(s) through improper influence.

"Improper influence" means any influence that induces or tends to induce a PHA/IHA employee or officer to give consideration or to act regarding a PHA/IHA contract on any basis other than the merits of the matter.

(b) The bidder represents and certifies as part of its bid that, except for full-time bona fide employees working solely for the bidder, the bidder:

(1) [ ] has, [ ] has not employed or retained any person or company to solicit or obtain this contract; and

(2) [ ] has, [ ] has not paid or agreed to pay to any person or company employed or retained to solicit or obtain this contract any commission, percentage, brokerage, or other fee contingent upon or resulting from the award of this contract.

(c) If the answer to either (a)(1) or (a)(2) above is affirmative, the bidder shall make an immediate and full written disclosure to the PHA/IHA Contracting Officer.

(d) Any misrepresentation by the bidder shall give the PHA/IHA the right to (1) terminate the contract; (2) at its discretion, deduct from contract payments the amount of any commission, percentage, brokerage, or other contingent fee; or (3) take other remedy pursuant to the contract.

## 3. Certification and Disclosure Regarding Payments to Influence Certain Federal Transactions (applicable to contracts exceeding $100,000)

(a) The definitions and prohibitions contained in Section 1352 of title 31, United States Code, are hereby incorporated by reference in paragraph (b) of this certification.

(b) The bidder, by signing its bid, hereby certifies to the best of his or her knowledge and belief as of December 23, 1989 that:

(1) No Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress on his or her behalf in connection with the awarding of a contract resulting from this solicitation;

(2) If any funds other than Federal appropriated funds (including profit or fee received under a covered Federal transaction) have been paid, or will be paid, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress on his or her behalf in connection with this solicitation, the bidder shall complete and submit, with its bid, OMB standard form LLL, "Disclosure of Lobbying Activities;" and

(3) He or she will include the language of this certification in all subcontracts at any tier and require that all recipients of subcontract awards in excess of $100,000 shall certify and disclose accordingly.

(c) Submission of this certification and disclosure is a prerequisite for making or entering into this contract imposed by section 1352, title 31, United States Code. Any person who makes an expenditure prohibited under this provision or who fails to file or amend the disclosure form to be filed or amended by this provision, shall be subject to a civil penalty of not less than $10,000, and not more than $100,000, for each such failure.

(d) Indian tribes (except those chartered by States) and Indian organizations as defined in section 4 of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 450B) are exempt from the requirements of this provision.

## 4. Organizational Conflicts of Interest Certification

The bidder certifies that to the best of its knowledge and belief and except as otherwise disclosed, he or she does not have any organizational conflict of interest which is defined as a situation in which the nature of work to be performed under this proposed contract and the bidder's organizational, financial, contractual, or other interests may, without some restriction on future activities:

(a) Result in an unfair competitive advantage to the bidder; or,

(b) Impair the bidder's objectivity in performing the contract work.

[ ] In the absence of any actual or apparent conflict, I hereby certify that to the best of my knowledge and belief, no actual or apparent conflict of interest exists with regard to my possible performance of this procurement.

## 5. Bidder's Certification of Eligibility

(a) By the submission of this bid, the bidder certifies that to the best of its knowledge and belief, neither it, nor any person or firm which has an interest in the bidder's firm, nor any of the bidder's subcontractors, is ineligible to:

(1) Be awarded contracts by any agency of the United States Government, HUD, or the State in which this contract is to be performed; or,

(2) Participate in HUD programs pursuant to 24 CFR Part 24.

(b) The certification in paragraph (a) above is a material representation of fact upon which reliance was placed when making award. If it is later determined that the bidder knowingly rendered an erroneous certification, the contract may be terminated for default, and the bidder may be debarred or suspended from participation in HUD programs and other Federal contract programs.

## 6. Minimum Bid Acceptance Period

(a) "Acceptance period," as used in this provision, means the number of calendar days available to the PHA/IHA for awarding a contract from the date specified in this solicitation for receipt of bids.

(b) This provision supersedes any language pertaining to the acceptance period that may appear elsewhere in this solicitation.

(c) The PHA/IHA requires a minimum acceptance period of [Contracting Officer insert time period] calendar days.

(d) In the space provided immediately below, bidders may specify a longer acceptance period than the PHA's/IHA's minimum requirement. The bidder allows the following acceptance period: calendar days.

(e) A bid allowing less than the PHA's/IHA's minimum acceptance period will be rejected.

(f) The bidder agrees to execute all that it has undertaken to do, in compliance with its bid, if that bid is accepted in writing within (1) the acceptance period stated in paragraph (c) above or (2) any longer acceptance period stated in paragraph (d) above.

## 7. Small, Minority, Women-Owned Business Concern Representation

The bidder represents and certifies as part of its bid/ offer that it --

(a) [ ] is, [ ] is not a small business concern. "Small business concern," as used in this provision, means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding, and qualified as a small business under the criteria and size standards in 13 CFR 121.

(b) [ ] is, [ ] is not a women-owned business enterprise. "Women-owned business enterprise," as used in this provision, means a business that is at least 51 percent owned by a woman or women who are U.S. citizens and who also control and operate the business.

(c) [ ] is, [ ] is not a minority business enterprise. "Minority business enterprise," as used in this provision, means a business which is at least 51 percent owned or controlled by one or more minority group members or, in the case of a publicly owned business, at least 51 percent of its voting stock is owned by one or more minority group members, and whose management and daily operations are controlled by one or more such individuals. For the purpose of this definition, minority group members are:

(Check the block applicable to you)

| | |
|---|---|
| [ ] Black Americans | [ ] Asian Pacific Americans |
| [ ] Hispanic Americans | [ ] Asian Indian Americans |
| [ ] Native Americans | [ ] Hasidic Jewish Americans |

## 8. Indian-Owned Economic Enterprise and Indian Organization Representation (applicable only if this solicitation is for a contract to be performed on a project for an Indian Housing Authority)

The bidder represents and certifies that it:

(a) [ ] is, [ ] is not an Indian-owned economic enterprise. "Economic enterprise," as used in this provision, means any commercial, industrial, or business activity established or organized for the purpose of profit, which is at least 51 percent Indian owned. "Indian," as used in this provision, means any person who is a member of any tribe, band, group, pueblo, or community which is recognized by the Federal Government as eligible for services from the Bureau of Indian Affairs and any "Native" as defined in the Alaska Native Claims Settlement Act.

(b) [ ] is, [ ] is not an Indian organization. "Indian organization," as used in this provision, means the governing body of any Indian tribe or entity established or recognized by such governing body. Indian "tribe" means any Indian tribe, band, group, pueblo, or

community including Native villages and Native groups (including corporations organized by Kenai, Juneau, Sitka, and Kodiak) as defined in the Alaska Native Claims Settlement Act, which is recognized by the Federal Government as eligible for services from the Bureau of Indian Affairs.

**9. Certification of Eligibility Under the Davis-Bacon Act** (applicable to construction contracts exceeding $2,000)

(a) By the submission of this bid, the bidder certifies that neither it nor any person or firm who has an interest in the bidder's firm is a person or firm ineligible to be awarded contracts by the United States Government by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(b) No part of the contract resulting from this solicitation shall be subcontracted to any person or firm ineligible to be awarded contracts by the United States Government by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(c) The penalty for making false statements is prescribed in the U. S. Criminal Code, 18 U.S.C. 1001.

**10. Certification of Nonsegregated Facilities** (applicable to contracts exceeding $10,000)

(a) The bidder's attention is called to the clause entitled **Equal Employment Opportunity** of the General Conditions of the Contract for Construction.

(b) "Segregated facilities," as used in this provision, means any waiting rooms, work areas, rest rooms and wash rooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees, that are segregated by explicit directive or are in fact segregated on the basis of race, color, religion, or national origin because of habit, local custom, or otherwise.

(c) By the submission of this bid, the bidder certifies that it does not and will not maintain or provide for its employees any segregated facilities at any of its establishments, and that it does not and will not permit its employees to perform their services at any location under its control where segregated facilities are maintained. The bidder agrees that a breach of this certification is a violation of the Equal Employment Opportunity clause in the contract.

(d) The bidder further agrees that (except where it has obtained identical certifications from proposed subcontractors for specific time periods) prior to entering into subcontracts which exceed $10,000 and are not exempt from the requirements of the Equal Employment Opportunity clause, it will:

(1) Obtain identical certifications from the proposed subcontractors;

(2) Retain the certifications in its files; and

(3) Forward the following notice to the proposed subcontractors (except if the proposed subcontractors have submitted identical certifications for specific time periods):

**Notice to Prospective Subcontractors of Requirement for Certifications of Nonsegregated Facilities**

A Certification of Nonsegregated Facilities must be submitted before the award of a subcontract exceeding $10,000 which is not exempt from the provisions of the Equal Employment Opportunity clause of the prime contract. The certification may be submitted either for each subcontract or for all subcontracts during a period (i.e., quarterly, semiannually, or annually).

**Note:** The penalty for making false statements in bids is prescribed in 18 U.S.C. 1001.

**11. Clean Air and Water Certification** (applicable to contracts exceeding $100,000)

The bidder certifies that:

(a) Any facility to be used in the performance of this contract [ ] is, [ ] is not listed on the Environmental Protection Agency List of Violating Facilities:

(b) The bidder will immediately notify the PHA/IHA Contracting Officer, before award, of the receipt of any communication from the Administrator, or a designee, of the Environmental Protection Agency, indicating that any facility that the bidder proposes to use for the performance of the contract is under consideration to be listed on the EPA List of Violating Facilities; and,

(c) The bidder will include a certification substantially the same as this certification, including this paragraph (c), in every nonexempt subcontract.

**12. Previous Participation Certificate** (applicable to construction and equipment contracts exceeding $50,000)

(a) The bidder shall complete and submit with his/her bid the Form HUD-2530, "Previous Participation Certificate." If the successful bidder does not submit the certificate with his/her bid, he/she must submit it within three (3) working days of bid opening. Failure to submit the certificate by that date may render the bid nonresponsive. No contract award will be made without a properly executed certificate.

(b) A fully executed "Previous Participation Certificate"

[ ] is, [ ] is not included with the bid.

**13. Bidder's Signature**

The bidder hereby certifies that the information contained in these certifications and representations is accurate, complete, and current.

_____
(Signature and Date)

_____
(Typed or Printed Name)

_____
(Title)

_____
(Company Name)

(Company Address)

OMB Approval No. 2502-0118
(Exp. 01/31/2026 )

**US Department of Housing and Urban Development**
Office of Housing/Federal Housing Commissioner

**US Department of Agriculture**
Farmers Home Administration

| **Part I to be completed by Controlling Participant(s) of Covered Projects** *(See instructions)* Reason for submission: | | **For HUD HQ/FmHA use only** | |
|---|---|---|---|
| **1.** Agency name and City where the application is filed | | **2**. Project Name, Project Number, City and Zip Code | |
| **3**. Loan or Contract amount $ | **4**. Number of Units or Beds | **5**. Section of Act | **6**. Type of Project (check one) ☐ Existing ☐ Rehabilitation ☐ Proposed (New) |

**7. List all proposed Controlling Participants and attach complete organization chart for all organizations showing ownership %**

| Name and address ( Last, First, Middle Initial) of controlling participant(s) proposing to participate | **8 Role of Each Principal in Project** | **9. SSN or IRS Employer Number (TIN)** |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

1. Schedule A contains a listing, for the last ten years, of every project assisted or insured by HUD, USDA FmHA and/or State and local government housing finance agencies in which the controlling participant(s) have participated or are now participating.
2. For the period beginning 10 years prior to the date of this certification, and except as shown on the certification:
a. No mortgage on a project listed has ever been in default, assigned to the Government or foreclosed, nor has it received mortgage relief from the mortgagee;
b. The controlling participants have no defaults or noncompliance under any Conventional Contract or Turnkey Contract of Sale in connection with a public housing project;
c. There are no known unresolved findings as a result of HUD audits, management reviews or other Governmental investigations concerning the controlling participants or their projects;
d. There has not been a suspension or termination of payments under any HUD assistance contract due to the controlling participant's fault or negligence;
e. The controlling participants have not been convicted of a felony and are not presently the subject of a complaint or indictment charging a felony. (A felony is defined as any offense punishable by imprisonment for a term exceeding one year, but does not include any offense classified as a misdemeanor under the laws of a State and punishable by imprisonment of two years or less);
f. The controlling participants have not been suspended, debarred or otherwise restricted by any Department or Agency of the Federal Government or of a State Government from doing business with such Department or Agency;
g. The controlling participants have not defaulted on an obligation covered by a surety or performance bond and have not been the subject of a claim under an employee fidelity bond;
3. All the names of the controlling participants who propose to participate in this project are listed above.
4. None of the controlling participants is a HUD/FmHA employee or a member of a HUD/FmHA employee's immediate household as defined in Standards of Ethical Conduct for Employees of the Executive Branch in 5 C.F.R. Part 2635 (57 FR 35006) and HUD's Standard of Conduct in 24 C.F.R. Part 0 and USDA's Standard of Conduct in 7 C.F.R. Part 0 Subpart B.
5. None of the controlling participants is a participant in an assisted or insured project as of this date on which construction has stopped for a period in excess of 20 days or which has been substantially completed for more than 90 days and documents for closing, including final cost certification, have not been filed with HUD or FmHA.
6.None of the controlling participants have been found by HUD or FmHA to be in noncompliance with any applicable fair housing and civil rights requirements in 24 CFR 5.105(a). (If any controlling participants have been found to be in noncompliance with any requirements, attach a signed statement explaining the relevant facts, circumstances, and resolution, if any).
7. None of the controlling participants is a Member of Congress or a Resident Commissioner nor otherwise prohibited or limited by law from contracting with the Government of the United States of America.
8.Statements above (if any) to which the controlling participant(s) cannot certify have been deleted by striking through the words with a pen, and the controlling participant(s) have initialed each deletion (if any) and have attached a true and accurate signed statement (if applicable) to explain the facts and circumstances.

I/We, the undersigned, certify under penalty of perjury that the information provided above is true and correct. WARNING: Anyone who knowingly submits a false claim or makes a false statement is subject to criminal and/or civil penalties, including confinement for up to 5 years, fines, and civil and administrative penalties. (18 U.S.C. §§ 287, 1001, 1010, 1012, 1014; 31 U.S.C. §3729, 3802).

| **Name of Controlling Participant** | **Signature of Controlling Participant** | **Certification Date (mm/dd/yyyy)** | **Area Code and Tel. No.** |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| **This form prepared by (print name)** | | **Area Code and Tel. No.** | |

OMB Approval No. 2502-0118
(Exp. 01/31/2026 )

**Schedule A: List of Previous Projects and Section 8 Contracts.** Below is a complete list of the controlling participants' previous participation projects and participation history in covered projects as per 24 CFR, part 200 §200.214 and multifamily Housing programs of FmHA, State and local Housing Finance Agencies, if applicable. **Note:** Read and follow the instruction sheet carefully. Make full disclosure. Add extra sheets if you need more space. Double check for accuracy. If no previous projects, write by your name, "**No previous participation, First Experience"**.

| 1. Controlling Participants' Name (Last, First) | 2. List of previous projects (Project name, project ID and, Govt. agency involved) | 3.List Participants' Role(s) (indicate dates participated, and if fee or identity of interest participant) | 4. Status of loan (current, defaulted, assigned, foreclosed) | 5.Was the Project ever in default during your participation **Yes** | **No** | **If yes, explain** | 6. Last MOR rating and Physical Insp. Score and date |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

## Part II- For HUD Internal Processing Only

Received and checked by me for accuracy and completeness; recommend approval or refer to Headquarters after checking appropriate box.

| Date (mm/dd/yyyy) | Tel No. and area code | ☐ A. No adverse information; form HUD-2530 approval recommended. ☐ C. Disclosure or Certification problem |
|---|---|---|
| Staff | Processing and Control | ☐ B. Name match in system ☐ D. Other (attach memorandum) |

| Signature of authorized reviewer | Signature of authorized reviewer | Approved ☐ Yes ☐ No | Date (mm/dd/yyyy) |
|---|---|---|---|
| | | | |

**Instructions for Completing the Previous Participation Certificate, form HUD-2530**

Carefully read these instructions and the applicable regulations. A copy of the regulations published at 24 C.F.R. part 200, subpart H, § 200.210-200.222 can be obtained on-line at www.gpo.gov and from the Account Executive at any HUD Office. Type or print neatly in ink when filling out this form. Incomplete form will be returned to the applicant.

Attach extra sheets as you need them. Be sure to indicate "Continued on Attachments" wherever appropriate. Sign each additional page that you attach if it refers to you or your record. **Carefully read the certification before you sign it.** Any questions regarding the form or how to complete it can be answered by your HUD Account Executive.

**Purpose:** This form provides HUD/USDA FmHA with a certified report of all previous participation in relevant HUD/USDA programs by those parties submitting the application. The information requested in this form is used by HUD/USDA to determine if you meet the standards established to ensure that all controlling participants in HUD/USDA projects will honor their legal, financial and contractual obligations and are of acceptable risks from the underwriting standpoint of an insurer, lender or governmental agency. HUD requires that you certify and submit your record of previous participation, in relevant projects, by completing and signing this form, before your participation can be approved.

***HUD approval of your certification is a necessary precondition for your participation in the project and in the capacity that you propose. If you do not file this certification, do not furnish the information requested accurately, or do not meet established standards, HUD will not approve your certification.***

***Note that approval of your certification does not obligate HUD to approve your project application, and it does not satisfy all other HUD program requirements relative to your qualifications.***

**Who Must Sign and File Form HUD-2530:** Form HUD-2530 must be completed and signed by all Controlling Participants of Covered Projects, as such terms are defined in 24 CFR part 200 §200.212, and as further clarified by the Processing Guide (HUD notice H 2016-15) referenced in 24 CFR §200.210(b) and available on the HUD website at: http://portal.hud.gov/hudportal/HUD?src=/program_offices/housing/mfh/prevparticipation.

**Where and When Form HUD-2530 Must Be Filed:** The original of this form must be submitted to the HUD Office where your project application will be processed at the same time you file your initial project application. This form must be filed with applications for projects listed in 24 CFR §200.214 and for the Triggering Events listed at 24 CFR §200.218.

**Review of Adverse Determination:** If approval of your participation in a HUD project is denied, withheld, or conditionally granted on the basis of your record of previous participation, you will be notified by the HUD Office. You may request reconsideration in accordance with 24 CFR §200.222 and further clarified by the Processing Guide. Request must be made in writing within 30 days from your receipt of the notice of determination.

The Department of Housing and Urban Development (HUD) is authorized to collect this information by law 42 U.S.C. 3535(d) and by regulation at 24 CFR 200.210. This information is needed so that principals applying to participate in multifamily programs can become HUD-approved controlling participants. The information you provide will enable HUD to evaluate your record with respect to established standards of performance, responsibility and eligibility. Without prior approval, a controlling participant may not participate in a proposed or existing multifamily or healthcare project. HUD uses this information to evaluate whether or not controlling participants pose an unsatisfactory underwriting risk. The information is used to evaluate the potential controlling participants and approve only individuals and organizations that will honor their legal, financial and contractual obligations.

**Privacy Act Statement:** The Housing and Community Development Act of 1987, 42 U.S.C. 3543 requires persons applying for a Federally-insured or guaranteed loan to furnish his/her Social Security Number (SSN). HUD must have your SSN for identification of your records. HUD may use your SSN for automated processing of your records and to make requests for information about you and your previous records with other public agencies and private sector sources. HUD may disclose certain information to Federal, State and local agencies when relevant to civil, criminal, or regulatory investigations and prosecutions. It will not be otherwise disclosed or released outside of HUD, except as required and permitted by law. You must provide all of the information requested in this application, including your SSN. Failure to provide any of the information will result in your disapproval of participation in this HUD program. APPS SORN could be accessed in Federal Register / Vol. 81, No. 146 / Friday, July 29, 2016 / Notices ([Docket No. FR–5921–N–10] Implementation of the Privacy Act of 1974, as Amended; Amended System of Records Notice, Active Partners Performance System).

**PRA Statement:** The public reporting burden is estimated at 3 hours per response, including the time for reviewing instructions, searching existing data sources, gathering, and maintaining the data needed, and completing and reviewing the collection of information.
Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions to reduce this burden, to the Reports Management Officer, Paperwork Reduction Project, to the Office of Information Technology, US. Department of Housing and Urban Development, Washington, DC 20410-3600. When providing comments, please refer to OMB Approval No. 2502-0118. HUD may not conduct and sponsor, and a person is not required to respond to, a collection of information unless the collection displays a valid control number.

The collection is authorized by 12 U.S.C 1702-1715z; 42 U.S.C. 3535(d). HUD form 2530 is created to collect information as mandated by 24 CFR Part 200. The HUD-2530 form is used to protect HUD's Multifamily Housing and Healthcare programs by comprehensively assessing industry participants' risk. It is the Department's policy that participants in its housing programs honor their legal, financial, and contractual obligations. Accordingly, uniform standards are established for approvals, disapprovals, or withholding actions on principals in projects, based upon their past performances as well as other relevant information. Respondents such as owners, management agents, master tenants, general contractors, and nursing home operators are subject to review. The information on this form needs to be collected by the Department to evaluate participants' previous performance and compliance with contracts, regulations, and directives.

# SPECIAL PROVISIONS

**NOTICE TO ALL PROSPECTIVE BIDDERS**

**Family Recreational Area at Northview Heights, AMP-09**

Documents Required for Payment
HACP Contract No.: 600-11-26

---

Pursuant to Sections 27, 38, 40 and 46 of the General Conditions for this Contract, each contractor must submit the following required documents with each Payment Estimate ("PE") in order for HACP to process a PE as follows:

**A. Periodic Estimate – HUD 51001**

**B. Schedule of Stored Materials – HUD 51003** (if applicable)

**C. Summary of Stored Materials – HUD 51004** (if applicable)

**D. Schedule of Change Orders – HUD 51002** (if applicable)

**E. Progress Payment Certification**

**F. Current/Approved Certified Payrolls** (at time of PE submission, payrolls should be current in HACP's electronic Certified Payroll Reporting Software).

**G. MBE/WBE Utilization Report**

**H. Section 3 Summary Report**

Signature of Authorized Officer: _____ Date: _____

**THIS DOCUMENT MUST BE SIGNED.**

HOUSING AUTHORITY OF THE CITY OF PITTSBURGH

# NON-COLLUSION AFFIDAVIT

State of_____

County of_____

_____, being first duly sworn, deposes and says:
*(Printed or Typed Name)*

That he/she is
*(Proprietor, General Partner, President or Vice President)*

of _____; and having submitted the foregoing Bid for
*(Bidder Name)*

Family Recreational Area at
Northview Heights, AMP-09
_____
*(Project Name)*

600-11-26_____;
*(HACP Contract No.)*

and is the party making the foregoing Bid, and that such Bid is genuine and not collusive or sham; that said Bidder has not colluded, conspired, connived or agreed, directly or indirectly, with any Bidder or person, to put in a sham bid, or to refrain from bidding, and has not in any manner, directly or indirectly, sought by agreement or collusion, or communication or conference, with any person, to fix the bid price of affiant or of any bidder, or to fix any overhead, profit or cost element of said bid price, or of that of any bidder, or to secure any advantage against the Housing Authority of the City of Pittsburgh or any person interested in the proposed contract; and that all statements in said Bid are true.

_____
*(Signature and Date)*

Subscribed and sworn to before me

this_____ day of _____, 20__

---

My Commission expires _____, 20__

HOUSING AUTHORITY OF THE CITY OF PITTSBURGH

# FORM OF AGREEMENT

THIS AGREEMENT, made this ____ day of _____ in the year Two Thousand _____(20 ) by and between:

_____

_____

_____

[ ] An individual doing business in his/her own name
[ ] An individual doing business under a fictitious or assumed name
[ ] A partnership
[ ] A Corporation

(Hereinafter called the Contractor)

AND

The Housing Authority of the City of Pittsburgh (hereinafter called the Authority)
412 Boulevard of the Allies, 6th Floor
Pittsburgh, PA 15219

WITNESSETH: That the Contractor and the Authority, for the consideration stated herein, mutually agree as follows:

## ARTICLE 1, STATEMENT OF WORK

The Contractor shall provide all labor, materials and equipment, and services necessary to perform and complete all work required in accordance with Tusick & Associates Architects, Inc. drawings for Family Recreational Area at Northview Heights, AMP-09 _____ dated February 23, 2024 and Project Manual dated February 9, 2026 regarding:

CONTRACT NO. 600-11-26

and addenda thereto numbered _____, all as prepared by _____, which said specifications, drawings, and addenda are incorporated herein by reference and are a part hereof.

The work shall begin at the time stipulated in the NOTICE TO PROCEED and in no event exceeding 284 consecutive calendar days from notice to proceed.

## ARTICLE 2, THE CONTRACT PRICE

The Authority shall pay the contractor for the performance of the Contract in current fund, subject to additions and deductions as provided in the specifications.

_____ ($_____ )

## ARTICLE 3, CONTRACT DOCUMENTS

The Contract shall consist of the following component parts:

a. This Agreement
b. Project Manual (including all component parts) dated February 9, 2026.
c. Project Drawings issued by Tusick & Associates Architects, Inc. dated February 23, 2024.

This Agreement, together with the other documents enumerated in this Article 3 which said other documents are as fully a part of the Contract as if hereto attached or herein repeated, form the Contract. In the event that any provision in any component part of this Contract conflicts with any provision of any other component part, the provision of the component part first enumerated in this ARTICLE 3, shall govern, except as subsequent parts may establish more specific criteria or language in which case these criteria and language shall govern. The various provisions in Addenda shall be construed in the order of preference of the component part of the Contract which each modified.

SIGNED, SEALED AND DELIVERED IN _____ ORIGINAL COUNTERPARTS

this _____ day of _____ 20_____.

---

IF THE PRINCIPAL IS AN INDIVIDUAL, SIGN HERE

By signing this Form of Agreement, if the Housing Authority accepts and signs Contract No. 600-11-26 this contract shall be binding on both parties.

_____ _____
*(Printed or Typed Name)* *(Printed or Typed Name)*

*Witness* *Principal*

{ {

_____ _____
*(Signature and Date)* *(Signature and Date)*

IF THE PRINCIPAL IS A PARTNERSHIP, SIGN HERE

By signing this Form of Agreement, if the Housing Authority accepts and signs Contract No. 600-11-26 this contract shall be binding on both parties.

| | |
|---|---|
| _____ | _____ |
| *(Printed or Typed Name)* | *(Printed or Typed Name)* |
| *Witness* | *Partner** |
| { | { |
| _____ | _____ |
| *(Signature and Date)* | *(Signature and Date)* |
| _____ | _____ |
| *(Printed or Typed Name)* | *(Printed or Typed Name)* |
| *Witness* | *Partner** |
| { | { |
| _____ | _____ |
| *(Signature and Date)* | *(Signature and Date)* |

* If the Bidder is a partnership, the Form of Agreement must be signed in the name of the partnership by at least two general partners, whose names and addresses must be listed on the certificate on page BF-3-P of the Bid.

IF THE PRINCIPAL IS A CORPORATION, SIGN HERE

By signing this Form of Agreement, if the Housing Authority accepts and signs Contract No. 600-11-26 this contract shall be binding on both parties.

*(CORPORATE SEAL)*

_____
*(Corporate Name)*

| | | | |
|---|---|---|---|
| | _____ *(Printed or Typed Name)* | | _____ *(Printed or Typed Name)* |
| *Witness* { | _____ *(Signature and Date)* | *President V.P.*** { | _____ *(Signature and Date)* |
| | _____ *(Corporate Title)* | | _____ *(Corporate Title)* |

** If the bidder is a corporation, the Form of Agreement must be executed in the Corporation's correct corporate name by its President or Vice President and attested to by its Secretary or Assistant Secretary or Treasurer or Assistant Treasurer, and the Certification of Corporate Principal (Doc. 00625) must be executed by the Secretary or Assistant Secretary.

CERTIFICATE AS TO CORPORATE PRINCIPAL

I, _____, certify that I am the **Secretary/Assistant Secretary** of the Corporation named a Bidder herein; that *(Circle one)*

_____ who signed this Bid on behalf of the

Corporation was then _____ of said Corporation that I know his signature and his signature thereto is genuine; and that said Bid was duly signed, sealed and attested in behalf of said Corporation by authority of its governing body.

*(CORPORATE SEAL)*

_____
*(Signature and Date)*

HOUSING AUTHORITY OF THE CITY OF PITTSBURGH

Secretary

*Attest*

{

*(Signature and Date)*

Contracting Officer

*Principal*

{

*(Signature and Date)*

Chief Development Officer

*Approved as to Contents and Costs*

{

*(Signature and Date)*

Legal Department Representative

*Approved as to Form*

{

*(Signature and Date)*

HOUSING AUTHORITY OF THE CITY OF PITTSBURGH

**CONTRACTING OFFICER CERTIFICATION**

I _____certify that I am the Recording Secretary of the Housing Authority of the City of Pittsburgh; that _____, who signed this Contract on behalf of the Housing Authority, was then Contracting Officer of said Authority; that the said Contract was duly signed for and on behalf of the Housing Authority of the City of Pittsburgh.

_____ (SEAL)
Secretary

HOUSING AUTHORITY OF THE CITY OF PITTSBURGH

# PERFORMANCE BOND

THIS BOND IS ISSUED SIMULTANEOUSLY WITH PAYMENT BOND IN FAVOR OF THE AUTHORITY CONDITIONED ON THE FULL AND FAITHFUL PERFORMANCE OF THE CONTRACT.

KNOW ALL MEN BY THESE PRESENTS, that we,

_____, as Principal, and
*(Insert name and address of contractor exactly as it appears on Form of Agreement)*

_____, as Sureties, are held and firmly bound unto the **Housing Authority of the City of Pittsburgh**, its certain attorney, successors, or assigns (the Obligee, hereinafter called the "Authority") in the penal sum of

_____Dollars ($_____)

lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, personal representatives, successors, and assigns, jointly and severally, firmly by these presents:

WHEREAS, the Principal heretofore has submitted to the said Authority a certain bid, dated

_____, 20_____ (the "Bid"), for construction of
*(Insert date of bid)*

_____
*(Insert name of project exactly as it appears on Form of Agreement)*
pursuant to specifications, drawings and other related documents constituting the Invitation for Bids (the "IFB"); and

WHEREAS, the said Authority is a "Contracting body" under provisions of Act No. 385 of the General Assembly of the Commonwealth of Pennsylvania, approved by the Governor on December 20, 1967, known and cited as the "Public Works Contractors' Bond Law of 1967" (8 P.S. 191-202) (the "Act"); and

WHEREAS, the Act, in Section 3 (a), requires that, before an award shall be made to the Principal shall furnish this Bond to the said Authority, with this Bond to become binding upon the award of a Contract to the Principal by the said Authority in accordance with the Bid; and

WHEREAS, it also is a condition of the IFB that this Bond shall be furnished by the Principal to the said Authority; and

WHEREAS, Under the Invitation for Bids, it is provided, inter alia, that if the Principal shall furnish this Bond to the said Authority, and if the said Authority shall make an award to the Principal in accordance with the Bid, then the Principal and the said Authority shall enter into a contract with respect to performance of such work (the "Contract"), the Form of Agreement for which is set forth in the IFB.

NOW, therefore, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the principal shall faithfully perform the Contract on his part as of the time and in the manner therein provided and satisfy all claims and demands incurred in or for the same, or growing out of the same, or for injury or damages to persons or property in the performance thereof, and shall fully indemnify and save harmless the said Authority from any and all cost and damage which the said Authority may suffer by reason of the principal's failure to do so, and shall fully reimburse and repay the said Authority any and all outlay and expense which it incurs by reason of any such default, then this obligation shall be null and void, otherwise it shall remain in full force and virtue.

It is further understood and agreed that the principal shall guarantee for a period of one (1) year from completion date of the contract against defects in workmanship or materials in accordance with the terms of the Contract.

The said surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract or to the work to be performed thereunder or the Specifications accompanying the same shall in any wise affect its obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the Contract or to the work or to the Specifications.

SIGNED, SEALED AND DELIVERED IN _____ ORIGINAL COUNTERPARTS
*(2 required by Authority)*

this _____ day of _____ 20_____.

---

IF THE PRINCIPAL IS AN INDIVIDUAL, SIGN HERE

| | |
|---|---|
| _____ | _____ |
| *(Printed or Typed Name)* | *(Printed or Typed Name)* |
| *Witness* | *Principal* |
| { | { |
| _____ | _____ |
| *(Signature and Date)* | *(Signature and Date)* |

IF THE PRINCIPAL IS A PARTNERSHIP, SIGN HERE

| | | | |
|---|---|---|---|
| | _____ *(Printed or Typed Name)* | | _____ *(Printed or Typed Name)* |
| *Witness* | | *Partner** | |
| | { | | { |
| | _____ *(Signature and Date)* | | _____ *(Signature and Date)* |
| | _____ *(Printed or Typed Name)* | | _____ *(Printed or Typed Name)* |
| *Witness* | | *Partner** | |
| | { | | { |
| | _____ *(Signature and Date)* | | _____ *(Signature and Date)* |

* If the Bidder is a partnership, the Bond must be signed in the name of the partnership by at least two general partners, whose names and addresses must be listed on the certificate on page BF-3-P of the Bid.

IF THE PRINCIPAL IS A CORPORATION, SIGN HERE

*(CORPORATE SEAL)*

_____
*(Corporate Name)*

| | |
|---|---|
| _____ | _____ |
| *(Printed or Typed Name)* | *(Printed or Typed Name)* |
| *Witness* | *President V.P.*** |
| { | { |
| _____ | _____ |
| *(Signature and Date)* | *(Signature and Date)* |
| _____ | _____ |
| *(Corporate Title)* | *(Corporate Title)* |

** If the bidder is a corporation, the Bond must be executed in the Corporation's correct corporate name by its President or Vice President and attested to by its Secretary or Assistant Secretary or Treasurer or Assistant Treasurer, and the Certification of Corporate Principal below must be executed by the Secretary or Assistant Secretary.

CERTIFICATE AS TO CORPORATE PRINCIPAL

I, _____, certify that I am the
**Secretary/Assistant Secretary** of the Corporation named a Bidder herein; that
*(Circle one)*
_____ who signed this Bid on behalf of the

Corporation was then _____ of said Corporation that I know his signature and his signature thereto is genuine; and that said Bid was duly signed, sealed and attested in behalf of said Corporation by authority of its governing body.

*(CORPORATE SEAL)*

_____
*(Signature and Date)*

SURETY SIGN HERE

*(SURETY SEAL)*

_____
*(Printed or Typed Name)*

_____
*(Printed or Typed Name)*

*Attest*
{
_____
*(Signature and Date)*

*Surety* ***
{
_____
*(Signature and Date)*

***Power of attorney must be attached to this Bid Bond.

---

The rate of premium charged is $_____ per thousand.
*(To be filled in by Surety)*

The total amount of premium charged is $_____
*(To be filled in by Surety)*

HOUSING AUTHORITY OF THE CITY OF PITTSBURGH

# PAYMENT BOND
# (Labor and Materialmen's Bond)

THIS BOND IS ISSUED SIMULTANEOUSLY WITH PERFORMANCE BOND IN FAVOR OF THE AUTHORITY CONDITIONED ON THE FULL AND FAITHFUL PERFORMANCE OF THE CONTRACT.

KNOW ALL MEN BY THESE PRESENTS, that we,

_____, as Principal, and
*(Insert name and address of Contractor exactly as it appears on Form of Agreement)*

_____, as Sureties, are held and firmly bound unto the **Housing Authority of the City of Pittsburgh**, its certain attorney, successors, or assigns (the Obligee, hereinafter called the "Authority") in the penal sum of

_____Dollars ($_____)

lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, personal representatives, successors, and assigns, jointly and severally, firmly by these presents:

WHEREAS, the Principal heretofore has submitted to the said Obligee a certain bid, dated

_____, 20_____ (the "Bid"), for construction of
*(Insert date of bid)*

_____
*(Insert name of project exactly as it appears on Form of Agreement)*
pursuant to specifications, drawings and other related documents constituting the Invitation for Bids (the "IFB"); and

WHEREAS, the said Authority is a "Contracting body" under provisions of Act No. 385 of the General Assembly of the Commonwealth of Pennsylvania, approved by the Governor on December 20, 1967, known and cited as the "Public Works Contractors' Bond Law of 1967" (8 P.S. 191-202) (the "Act"); and

WHEREAS, the Act, in Section 3 (a), requires that, before an award shall be made to the Principal shall furnish this Bond to the said Authority, with this Bond to become binding upon the award of a Contract to the Principal by the said Authority in accordance with the Bid; and

WHEREAS, it also is a condition of the IFB that this Bond shall be furnished by the Principal to the said Authority; and

WHEREAS, Under the Invitation for Bids, it is provided, inter alia, that if the Principal shall furnish this Bond to the said Authority, and if the said Authority shall make an award to the Principal in accordance with the Bid, then the Principal and the said Authority shall enter into a contract with respect to performance of such work (the "Contract"), the Form of Agreement for which is set forth in the IFB.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH that if said principal and all subcontractors to whom any portion of the work provided for in said contract is sublet and all assignees of said principal and of such subcontractors shall promptly make payment for all material furnished, labor supplied or performed, rental for equipment employed, and services rendered by public utilities in or in connection with the prosecution of the work, whether or not the said material, labor, equipment or services enter into and become component parts of the work or improvement contemplated in said contract, or in any amendment or extension of or addition to said Contract, then the above obligation shall be void; otherwise to remain in full force and effect. PROVIDED, however, that this bond is subject to the following conditions and limitations.

(a) All persons who have performed labor, rendered services or furnished materials or machinery, shall have direct right of action against the principal and surety on this bond, which right of action shall be asserted in proceedings instituted in the State in which such labor was performed, services rendered or materials furnished (or where labor has been performed, services rendered or materials furnished under said Contract is more than one State, then in any such State). Insofar as permitted by the laws of such State, such right of action shall be asserted in a proceeding instituting such action and any or all other persons having claims hereunder, and any other person having a claim hereunder shall have the right to be made a party to such proceeding (but not later than one year after the complete performance of said Contract and final settlement thereof) and to have such claim adjudicated in such action and judgment rendered thereon.

(b) The surety shall not be liable hereunder for any damages or compensation recoverable under any workmen's compensation or employer's liability statute.

(c) In no event shall the surety be liable for a greater sum than the penalty of this bond, or subject to any suit, action or proceeding thereon that is instituted later than one year after the complete performance of said contract and final settlement thereof.

(d) As used herein: The term "person" refers to any individual, firm or corporation who have furnished materials or machinery or public utility services to be used on or incorporated in the work or the prosecution thereof provided for in said Contract or in any amendment or extension of or addition to said Contract, and/or to any person engaged in the prosecution of the work provided for in said Contract or in any amendment or extension of or addition to said Contract, who is an agent, servant or employee of the principal, or of any subcontractor, or of any assignee of said principal or of any subcontractor and also anyone so engaged who performs the work of a laborer or of a mechanic regardless of any contractual relationship between the principal, or any sub-contractor, or any assignee of said principal or of said subcontractor, and such laborer or mechanic, but shall not include office employees not regularly stationed at the site of the work.

The said surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract, or to the work to be performed thereunder or the Specifications accompanying the same, shall in any wise affect its obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the Contract or to the work or to the Specifications.

SIGNED, SEALED AND DELIVERED IN _____ ORIGINAL COUNTERPARTS
*(2 required by Authority)*

this _____ day of _____ 20_____.

---

IF THE PRINCIPAL IS AN INDIVIDUAL, SIGN HERE

| | |
|---|---|
| _____ | _____ |
| *(Printed or Typed Name)* | *(Printed or Typed Name)* |
| *Witness* | *Principal* |
| { | { |
| _____ | _____ |
| *(Signature and Date)* | *(Signature and Date)* |

IF THE PRINCIPAL IS A PARTNERSHIP, SIGN HERE

| | |
|---|---|
| _____ | _____ |
| *(Printed or Typed Name)* | *(Printed or Typed Name)* |
| *Witness* | *Partner** |
| { | { |
| _____ | _____ |
| *(Signature and Date)* | *(Signature and Date)* |
| _____ | _____ |
| *(Printed or Typed Name)* | *(Printed or Typed Name)* |
| *Witness* | *Partner** |
| { | { |
| _____ | _____ |
| *(Signature and Date)* | *(Signature and Date)* |

* If the Bidder is a partnership, the Bond must be signed in the name of the partnership by at least two general partners, whose names and addresses must be listed on the certificate on page BF-3-P of the Bid.

IF THE PRINCIPAL IS A CORPORATION, SIGN HERE

*(CORPORATE SEAL)*

_____
*(Corporate Name)*

| | |
|---|---|
| _____ | _____ |
| *(Printed or Typed Name)* | *(Printed or Typed Name)* |
| *Witness* | *President V.P.*** |
| { | { |
| _____ | _____ |
| *(Signature and Date)* | *(Signature and Date)* |
| _____ | _____ |
| *(Corporate Title)* | *(Corporate Title)* |

** If the bidder is a corporation, the Bond must be executed in the Corporation's correct corporate name by its President or Vice President and attested to by its Secretary or Assistant Secretary or Treasurer or Assistant Treasurer, and the Certification of Corporate Principal (Doc. 00625) must be executed by the Secretary or Assistant Secretary.

CERTIFICATE AS TO CORPORATE PRINCIPAL

I, _____, certify that I am the **Secretary/Assistant Secretary** of the Corporation named a Bidder herein; that
*(Circle one)*
_____ who signed this Bid on behalf of the

Corporation was then _____ of said Corporation that I know his signature and his signature thereto is genuine; and that said Bid was duly signed, sealed and attested in behalf of said Corporation by authority of its governing body.

*(CORPORATE SEAL)*

_____
*(Signature and Date)*

SURETY SIGN HERE

*(SURETY SEAL)*

| | |
|---|---|
| _____ | _____ |
| *(Printed or Typed Name)* | *(Printed or Typed Name)* |
| *Attest* | *Surety* |
| { | { |
| _____ | _____ |
| *(Signature and Date)* | *(Signature and Date)* |

The rate of premium charged is $_____ per thousand.
*(To be filled in by Surety)*

The total amount of premium charged is $_____
*(To be filled in by Surety)*

# General Conditions for Construction Contracts - Public Housing Programs

**U.S. Department of Housing and Urban Development**
Office of Public and Indian Housing
OMB Approval No. 2577-0157 (exp. 1/31/2027)

## Applicability. This form is applicable to any construction/development contract greater than $250,000.

Public reporting burden for this collection of information is estimated to average 1.0 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Comments regarding the accuracy of this burden estimate and any suggestions for reducing this burden can be sent to the Reports Management Officer, Office of Policy Development and Research, REE, Department of Housing and Urban Development, 451 7th St SW, Room 4176, Washington, DC 20410-5000. When providing comments, please refer to OMB Approval No. 2577-0157. This form includes those clauses required by OMB's common rule on grantee procurement, implemented at HUD in 2 CFR 200, and those requirements set forth in Section 3 of the Housing and Urban Development Act of 1968 and its amendment by the Housing and Community Development Act of 1992, implemented by HUD at 24 CFR Part 75. The form is required for construction contracts awarded by Public Housing Agencies (PHAs). The form is used by Housing Authorities in solicitations to provide necessary contract clauses. If the form were not used, PHAs would be unable to enforce their contracts. Responses to the collection of information are required to obtain a benefit or to retain a benefit. The information requested does not lend itself to confidentiality. HUD may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB number.


| | Clause | Page | | Clause | Page |
|---|---|---|---|---|---|
| 1. | Definitions | 2 | | **Administrative Requirements** | |
| 2. | Contractor's Responsibility for Work | 2 | 25. | Contract Period | 9 |
| 3. | Architect's Duties, Responsibilities and Authority | 2 | 26. | Order of Precedence | 9 |
| 4. | Other Contracts | 3 | 27. | Payments | 9 |
| | **Construction Requirements** | | 28. | Contract Modifications | *10* |
| 5. | Preconstruction Conference and Notice to Proceed | 3 | 29. | Changes | 10 |
| 6. | Construction Progress Schedule | 3 | 30. | Suspension of Work | 11 |
| 7. | Site Investigation and Conditions Affecting the Work | 3 | 31. | Disputes | 11 |
| 8. | Differing Site Conditions | 4 | 32. | Default | 11 |
| 9. | Specifications and Drawings for Construction | 4 | 33. | Liquidated | 12 |
| 10. | As-Built Drawings | 5 | 34. | Termination of Convenience | 12 |
| 11. | Material and Workmanship | 5 | 35. | Assignment of Contract | 12 |
| 12. | Permits and Codes | 5 | 36. | Insurance | 12 |
| 13. | Health, Safety, and Accident Prevention | 6 | 37. | Subcontracts | 13 |
| 14. | Temporary Buildings and Transportation Materials | 6 | 38. | Subcontracting with Small and Minority Firms, Women's Business Enterprise, and Labor Surplus Area Firms | 13 |
| 15. | Availability and Use of Utility Services | 6 | 39. | Equal Employment Opportunity | 13 |
| 16. | Protection of Existing Vegetation, Structures, Equipment, Utilities, and Improvements | 6 | 40. | Employment, Training, and Contracting Opportunities for Low-Income Persons, Section 3 of the Housing and Urban Development Act of 1968 | 14 |
| 17. | Temporary Buildings and Transportation Materials | 7 | 41. | Interest of Members of Congress | 15 |
| 18. | Clean Air and Water | *7* | 42. | Interest of Members, Officers, or Employees and Former Members, Officers, or Employees | 15 |
| 19. | Energy Efficiency | 7 | 43. | Limitations on Payments Made to Influence | 15 |
| 20. | Inspection and Acceptance of Construction | 7 | 44. | Royalties and Patents | 15 |
| 21. | Use and Possession Prior to | 8 | 45. | Examination and Retention of Contractor's Records | 15 |
| 22. | Warranty of Title | 8 | 46. | Labor Standards-Davis-Bacon and Related Acts | 15 |
| 23. | Warranty of | 8 | 47. | Non-Federal Prevailing Wage Rates | 19 |
| 24. | Prohibition Against Liens | 9 | 48. | Procurement of Recovered Materials | 19 |

## 1. Definitions

(a) "Architect" means the person or other entity engaged by the PHA to perform architectural, engineering, design, and other services related to the work as provided for in the contract. When a PHA uses an engineer to act in this capacity, the terms "architect" and "engineer" shall be synonymous. The Architect shall serve as a technical representative of the Contracting Officer. The Architect's authority is as set forth elsewhere in this contract.

(b) "Contract" means the contract entered into between the PHA and the Contractor. It includes the forms of Bid, the Bid Bond, the Performance and Payment Bond or Bonds or other assurance of completion, the Certifications, Representations, and Other Statements of Bidders (form HUD-5370), these General Conditions of the Contract for Construction (form HUD-5370), the applicable wage rate determinations from the U.S. Department of Labor, any special conditions included elsewhere in the contract, the specifications, and drawings. It includes all formal changes to any of those documents by addendum, change order, or other modification.

(c) "Contracting Officer" means the person delegated the authority by the PHA to enter into, administer, and/or terminate this contract and designated as such in writing to the Contractor. The term includes any successor Contracting Officer and any duly authorized representative of the Contracting Officer also designated in writing. The Contracting Officer shall be deemed the authorized agent of the PHA in all dealings with the Contractor.

(d) "Contractor" means the person or other entity entering into the contract with the PHA to perform all of the work required under the contract.

(e) "Drawings" means the drawings enumerated in the schedule of drawings contained in the Specifications and as described in the contract clause entitled Specifications and Drawings for Construction herein.

(f) "HUD" means the United States of America acting through the Department of Housing and Urban Development including the Secretary, or any other person designated to act on its behalf. HUD has agreed, subject to the provisions of an Annual Contributions Terms and Conditions (ACC), to provide financial assistance to the PHA, which includes assistance in financing the work to be performed under this contract. As defined elsewhere in these General Conditions or the contract documents, the determination of HUD may be required to authorize changes in the work or for release of funds to the PHA for payment to the Contractor. Notwithstanding HUD's role, nothing in this contract shall be construed to create any contractual relationship between the Contractor and HUD.

(g) "Project" means the entire project, whether construction or rehabilitation, the work for which is provided for in whole or in part under this contract.

(h) "PHA" means the Public Housing Agency organized under applicable state laws which is a party to this contract.

(j) "Specifications" means the written description of the technical requirements for construction and includes the criteria and tests for determining whether the requirements are met.

(l) "Work" means materials, workmanship, and manufacture and fabrication of components.

## 2. Contractor's Responsibility for Work

(a) The Contractor shall furnish all necessary labor, materials, tools, equipment, and transportation necessary for performance of the work. The Contractor shall also furnish all necessary water, heat, light, and power not made available to the Contractor by the PHA pursuant to the clause entitled Availability and Use of Utility Services herein.

(b) The Contractor shall perform on the site, and with its own organization, work equivalent to at least [ ] (12 percent unless otherwise indicated) of the total amount of work to be performed under the order. This percentage may be reduced by a supplemental agreement to this order if, during performing the work, the Contractor requests a reduction and the Contracting Officer determines that the reduction would be to the advantage of the PHA.

(c) At all times during performance of this contract and until the work is completed and accepted, the Contractor shall directly superintend the work or assign and have on the work site a competent superintendent who is satisfactory to the Contracting Officer and has authority to act for the Contractor.

(d) The Contractor shall be responsible for all damages to persons or property that occur as a result of the Contractor's fault or negligence, and shall take proper safety and health precautions to protect the work, the workers, the public, and the property of others. The Contractor shall hold and save the PHA, its officers and agents, free and harmless from liability of any nature occasioned by the Contractor's performance. The Contractor shall also be responsible for all materials delivered and work performed until completion and acceptance of the entire work, except for any completed unit of work which may have been accepted under the contract.

(e) The Contractor shall lay out the work from base lines and bench marks indicated on the drawings and be responsible for all lines, levels, and measurements of all work executed under the contract. The Contractor shall verify the figures before laying out the work and will be held responsible for any error resulting from its failure to do so.

(f) The Contractor shall confine all operations (including storage of materials) on PHA premises to areas authorized or approved by the Contracting Officer.

(g) The Contractor shall at all times keep the work area, including storage areas, free from accumulations of waste materials. After completing the work and before final inspection, the Contractor shall (1) remove from the premises all scaffolding, equipment, tools, and materials (including rejected materials) that are not the property of the PHA and all rubbish caused by its work; (2) leave the work area in a clean, neat, and orderly condition satisfactory to the Contracting Officer; (3) perform all specified tests; and, (4) deliver the installation in complete and operating condition.

(h) The Contractor's responsibility will terminate when all work has been completed, the final inspection made, and the work accepted by the Contracting Officer. The Contractor will then be released from further obligation except as required by the warranties specified elsewhere in the contract.

## 3. Architect's Duties, Responsibilities, and Authority

(a) The Architect for this contract, and any successor, shall be designated in writing by the Contracting Officer.

(b) The Architect shall serve as the Contracting Officer's technical representative with respect to architectural, **Schedule** engineering, and design matters related to the work performed under the contract. The Architect may provide direction on contract performance. Such direction shall be within the scope of the contract and may not be of a nature which: (1) institutes additional work outside the scope of the contract; (2) constitutes a change as defined in the Changes clause herein; (3) causes an increase or decrease in the cost of the contract; (4) alters the Construction Progress Schedule; or (5) changes any of the other express terms or conditions of the contract.

(c) The Architect's duties and responsibilities may include but shall not be limited to:

(1) Making periodic visits to the work site, and on the basis of his/her on-site inspections, issuing written reports to the PHA which shall include all observed deficiencies. The Architect shall file a copy of the report with the Contractor's designated representative at the site;

(2) Making modifications in drawings and technical specifications and assisting the Contracting Officer in the preparation of change orders and other contract modifications for issuance by the Contracting Officer;

(3) Reviewing and making recommendations with respect to - (i) the Contractor's construction progress schedules; (ii) the Contractor's shop and detailed drawings; (iii) the machinery, mechanical and other equipment and materials or other articles proposed for use by the Contractor; and, (iv) the Contractor's price breakdown and progress payment estimates; and,

(4) Assisting in inspections, signing Certificates of Completion, and making recommendations with respect to acceptance of work completed under the contract.

## 4. Other Contracts

The PHA may undertake or award other contracts for additional work at or near the site of the work under this contract. The Contractor shall fully cooperate with the other contractors and with PHA employees and shall carefully adapt scheduling and performing the work under this contract to accommodate the additional work, heeding any direction that may be provided by the Contracting Officer. The Contractor shall not commit or permit any act that will interfere with the performance of work by any other contractor or by PHA employees

## Construction Requirements

## 5. Pre-construction Conference and Notice to Proceed

(a) Within ten calendar days of contract execution, and prior to the commencement of work, the Contractor shall attend a preconstruction conference with representatives of the PHA, its Architect, and other interested parties convened by the PHA. The conference will serve to acquaint the participants with the general plan of the construction operation and all other requirements of the contract. The PHA will provide the Contractor with the date, time, and place of the conference.

(b) The contractor shall begin work upon receipt of a written Notice to Proceed from the Contracting Officer or designee. The Contractor shall not begin work prior to receiving such notice.

## 6. Construction Progress

(a) The Contractor shall, within five days after the work commences on the contract or another period of time determined by the Contracting Officer, prepare and submit to the Contracting Officer for approval three copies of a practicable schedule showing the order in which the Contractor proposes to perform the work, and the dates on which the Contractor contemplates starting and completing the several salient features of the work (including acquiring labor, materials, and equipment). The schedule shall be in the form of a progress chart of suitable scale to indicate appropriately the percentage of work scheduled for completion by any given date during the period. If the Contractor fails to submit a schedule within the time prescribed, the Contracting Officer may withhold approval of progress payments or take other remedies under the contract until the Contractor submits the required schedule.

(b) The Contractor shall enter the actual progress on the chart as required by the Contracting Officer, and immediately deliver three copies of the annotated schedule to the Contracting Officer. If the Contracting Officer determines, upon the basis of inspection conducted pursuant to the clause entitled Inspection and Acceptance of Construction, herein that the Contractor is not meeting the approved schedule, the Contractor shall take steps necessary to improve its progress, including those that may be required by the Contracting Officer, without additional cost to the PHA. In this circumstance, the Contracting Officer may require the Contractor to increase the number of shifts, overtime operations, days of work, and/or the amount of construction plant, and to submit for approval any supplementary schedule or schedules in chart form as the Contracting Officer deems necessary to demonstrate how the approved rate of progress will be regained.

(c) Failure of the Contractor to comply with the requirements of the Contracting Officer under this clause shall be grounds for a determination by the Contracting Officer that the Contractor is not prosecuting the work with sufficient diligence to ensure completion within the time specified in the Contract. Upon making this determination, the Contracting Officer may terminate the Contractor's right to proceed with the work, or any separable part of it, in accordance with the Default clause of this contract.

## 7. Site Investigation and Conditions Affecting the Work

(a) The Contractor acknowledges that it has taken steps reasonably necessary to ascertain the nature and location of the work, and that it has investigated and satisfied itself as to the general and local conditions which can affect the work or its cost, including but not limited to, (1) conditions bearing upon transportation, disposal, handling, and storage of materials; (2) the availability of labor, water, electric power, and roads;(3) uncertainties of weather, river stages, tides, or similar physical conditions at the site; (4) the conformation and conditions of the ground; and (5) the character of equipment and facilities needed preliminary to and during work performance. The Contractor also acknowledges that it has satisfied itself as to the character, quality, and quantity of surface and subsurface materials or obstacles to be encountered insofar as this information is

reasonably ascertainable from an inspection of the site, including all exploratory work done by the PHA, as well as from the drawings and specifications made a part of this contract. Any failure of the Contractor to take the actions described and acknowledged in this paragraph will not relieve the Contractor from responsibility for estimating properly the difficulty and cost of successfully performing the work, or for proceeding to successfully perform the work without additional expense to the PHA.

(b) The PHA assumes no responsibility for any conclusions or interpretations made by the Contractor based on the information made available by the PHA. Nor does the PHA assume responsibility for any understanding reached or representation made concerning conditions which can affect the work by any of its officers or agents before the execution of this contract, unless that understanding or representation is expressly stated in this contract.

## 8. Differing Site Conditions

(a) The Contractor shall promptly, and before the conditions are disturbed, give a written notice to the Contracting Officer of (1) subsurface or latent physical conditions at the site which differ materially from those indicated in this contract, or (2) unknown physical conditions at the site(s), of an unusual nature, which differ materially from those ordinarily encountered and generally recognized as inhering in work of the character provided for in the contract.

(b) The Contracting Officer shall investigate the site conditions promptly after receiving the notice. Work shall not proceed at the affected site, except at the Contractor's risk, until the Contracting Officer has provided written instructions to the Contractor. If the conditions do materially so differ and cause an increase or decrease in the Contractor's cost of, or the time required for, performing any part of the work under this contract, whether or not changed as a result of the conditions, the Contractor shall file a claim in writing to the PHA within ten days after receipt of such instructions and, in any event, before proceeding with the work. An equitable adjustment in the contract price, the delivery schedule, or both shall be made under this clause and the contract modified in writing accordingly.

(c) No request by the Contractor for an equitable adjustment to the contract under this clause shall be allowed, unless the Contractor has given the written notice required; provided, that the time prescribed in (a) above for giving written notice may be extended by the Contracting Officer.

(d) No request by the Contractor for an equitable adjustment to the contract for differing site conditions shall be allowed if made after final payment under this contract.

## 9. Specifications and Drawings for Construction

(a) The Contractor shall keep on the work site a copy of the drawings and specifications and shall at all times give the Contracting Officer access thereto. Anything mentioned in the specifications and not shown on the drawings, or shown on the drawings and not mentioned in the specifications, shall be of like effect as if shown or mentioned in both. In case of difference between drawings and specifications, the specifications shall govern. In case of discrepancy in the figures, in the drawings, or in the specifications, the matter shall be promptly submitted to the Contracting Officer, who shall promptly make a determination in writing. Any adjustment by the Contractor without such a determination shall be at its own risk and expense. The Contracting Officer shall furnish from time to time such detailed drawings and other information as considered necessary, unless otherwise provided.

(b) Wherever in the specifications or upon the drawings the words "directed", "required", "ordered", "designated", "prescribed", or words of like import are used, it shall be understood that the "direction", "requirement", "order", "designation", or "prescription", of the Contracting Officer is intended and similarly the words "approved", "acceptable", "satisfactory", or words of like import shall mean "approved by", or "acceptable to", or "satisfactory to" the Contracting Officer, unless otherwise expressly stated.

(c) Where "as shown" "as indicated", "as detailed", or words of similar import are used, it shall be understood that the reference is made to the drawings accompanying this contract unless stated otherwise. The word "provided" as used herein shall be understood to mean "provide complete in place" that is "furnished and installed".

(d) "Shop drawings" means drawings, submitted to the PHA by the Contractor, subcontractor, or any lower tier subcontractor, showing in detail (1) the proposed fabrication and assembly of structural elements and (2) the installation (i.e., form, fit, and attachment details) of materials of equipment. It includes drawings, diagrams, layouts, schematics, descriptive literature, illustrations, schedules, performance and test data, and similar materials furnished by the Contractor to explain in detail specific portions of the work required by the contract. The PHA may duplicate, use, and disclose in any manner and for any purpose shop drawings delivered under this contract.

(e) If this contract requires shop drawings, the Contractor shall coordinate all such drawings, and review them for accuracy, completeness, and compliance with other contract requirements and shall indicate its approval thereon as evidence of such coordination and review. Shop drawings submitted to the Contracting Officer without evidence of the Contractor's approval may be returned for resubmission. The Contracting Officer will indicate an approval or disapproval of the shop drawings and if not approved as submitted shall indicate the PHA's reasons therefore. Any work done before such approval shall be at the Contractor's risk. Approval by the Contracting Officer shall not relieve the Contractor from responsibility for any errors or omissions in such drawings, nor from responsibility for complying with the requirements of this contract, except with respect to variations described and approved in accordance with (f) below.

(f) If shop drawings show variations from the contract requirements, the Contractor shall describe such variations in writing, separate from the drawings, at the time of submission. If the Architect approves any such variation and the Contracting Officer concurs, the Contracting Officer shall issue an appropriate modification to the contract, except that, if the variation is minor or does not involve a change in price or in time of performance, a modification need not be issued.

(g) It shall be the responsibility of the Contractor to make timely requests of the PHA for such large scale and full size drawings, color schemes, and other additional information, not already in his possession, which shall be

required in the planning and production of the work. Such requests may be submitted as the need arises, but each such request shall be filed in ample time to permit appropriate action to be taken by all parties involved so as to avoid delay.

(h) The Contractor shall submit to the Contracting Officer for approval four copies (unless otherwise indicated) of all shop drawings as called for under the various headings of these specifications. Three sets (unless otherwise indicated) of all shop drawings, will be retained by the PHA and one set will be returned to the Contractor. As required by the Contracting Officer, the Contractor, upon completing the work under this contract, shall furnish a complete set of all shop drawings as finally approved. These drawings shall show all changes and revisions made up to the time the work is completed and accepted.

(i) This clause shall be included in all subcontracts at any tier. It shall be the responsibility of the Contractor to ensure that all shop drawings prepared by subcontractors are submitted to the Contracting Officer.

10. As-Built Drawings

(a) "As-built drawings," as used in this clause, means drawings submitted by the Contractor or subcontractor at any tier to show the construction of a particular structure or work as actually completed under the contract. "As-built drawings" shall be synonymous with "Record drawings."

(b) As required by the Contracting Officer, the Contractor shall provide the Contracting Officer accurate information to be used in the preparation of permanent as-built drawings. For this purpose, the Contractor shall record on one set of contract drawings all changes from the installations originally indicated, and record final locations of underground lines by depth from finish grade and by accurate horizontal offset distances to permanent surface improvements such as buildings, curbs, or edges of walks.

(c) This clause shall be included in all subcontracts at any tier. It shall be the responsibility of the Contractor to ensure that all as-built drawings prepared by subcontractors are submitted to the Contracting Officer.

11. Material and Workmanship

(a) All equipment, material, and articles furnished under this contract shall be new and of the most suitable grade for the purpose intended, unless otherwise specifically provided in this contract. References in the contract to equipment, material, articles, or patented processes by trade name, make, or catalog number, shall be regarded as establishing a standard of quality and shall not be construed as limiting competition. The Contractor may, at its option, use any equipment, material, article, or process that, in the judgment of, and as approved by the Contracting Officer, is equal to that named in the specifications, unless otherwise specifically provided in this contract.

(b) Approval of equipment and materials.

(1) The Contractor shall obtain the Contracting Officer's approval of the machinery and mechanical and other equipment to be incorporated into the work. When requesting approval, the Contractor shall furnish to the Contracting Officer the name of the manufacturer, the model number, and other information concerning the performance, capacity, nature, and rating of the machinery and mechanical and other equipment. When required by this contract or by the Contracting Officer, the Contractor shall also obtain the Contracting Officer's approval of the material or articles which the Contractor contemplates incorporating into the work. When requesting approval, the Contractor shall provide full information concerning the material or articles. Machinery, equipment, material, and articles that do not have the required approval shall be installed or used at the risk of subsequent rejection.

(2) When required by the specifications or the Contracting Officer, the Contractor shall submit appropriately marked samples (and certificates related to them) for approval at the Contractor's expense, with all shipping charges prepaid. The Contractor shall label, or otherwise properly mark on the container, the material or product represented, its place of origin, the name of the producer, the Contractor's name, and the identification of the construction project for which the material or product is intended to be used.

(3) Certificates shall be submitted in triplicate, describing each sample submitted for approval and certifying that the material, equipment or accessory complies with contract requirements. The certificates shall include the name and brand of the product, name of manufacturer, and the location where produced.

(4) Approval of a sample shall not constitute a waiver of the PHA right to demand full compliance with contract requirements. Materials, equipment and accessories may be rejected for cause even though samples have been approved.

(5) Wherever materials are required to comply with recognized standards or specifications, such specifications shall be accepted as establishing the technical qualities and testing methods, but shall not govern the number of tests required to be made nor modify other contract requirements. The Contracting Officer may require laboratory test reports on items submitted for approval or may approve materials on the basis of data submitted in certificates with samples. Check tests will be made on materials delivered for use only as frequently as the Contracting Officer determines necessary to insure compliance of materials with the specifications. The Contractor will assume all costs of retesting materials which fail to meet contract requirements and/or testing materials offered in substitution for those found deficient.

(6) After approval, samples will be kept in the Project office until completion of work. They may be built into the work after a substantial quantity of the materials they represent has been built in and accepted.

(c) Requirements concerning lead-based paint. The Contractor shall comply with the requirements concerning lead-based paint contained in the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. 4821-4846) as implemented by 24 CFR Part 35.

12. Permits and Codes

(a) The Contractor shall give all notices and comply with all applicable laws, ordinances, codes, rules and regulations. Notwithstanding the requirement of the Contractor to comply with the drawings and specifications in the contract, all work installed shall comply with all applicable codes and regulations as amended by any

waivers. Before installing the work, the Contractor shall examine the drawings and the specifications for compliance with applicable codes and regulations bearing on the work and shall immediately report any discrepancy it may discover to the Contracting Officer. Where the requirements of the drawings and specifications fail to comply with the applicable code or regulation, the Contracting Officer shall modify the contract by change order pursuant to the clause entitled Changes herein to conform to the code or regulation.

(b) The Contractor shall secure and pay for all permits, fees, and licenses necessary for the proper execution and completion of the work. Where the PHA can arrange for the issuance of all or part of these permits, fees and licenses, without cost to the Contractor, the contract amount shall be reduced accordingly.

13. Health, Safety, and Accident Prevention

(a) In performing this contract, the Contractor shall:

(1) Ensure that no laborer or mechanic shall be required to work in surroundings or under working conditions which are unsanitary, hazardous, or dangerous to his/her health and/or safety as determined under construction safety and health standards promulgated by the Secretary of Labor by regulation;

(2) Protect the lives, health, and safety of other persons;

(3) Prevent damage to property, materials, supplies, and equipment; and,

(4) Avoid work interruptions.

(b) For these purposes, the Contractor shall:

(1) Comply with regulations and standards issued by the Secretary of Labor at 29 CFR Part 1926. Failure to comply may result in imposition of sanctions pursuant to the Contract Work Hours and Safety Standards Act (Public Law 91-54, 83 Stat. 96), 40 U.S.C. 3701 et seq.; and

(2) Include the terms of this clause in every subcontract so that such terms will be binding on each subcontractor.

(c) The Contractor shall maintain an accurate record of exposure data on all accidents incident to work performed under this contract resulting in death, traumatic injury, occupational disease, or damage to property, materials, supplies, or equipment, and shall report this data in the manner prescribed by 29 CFR Part 1904.

(d) The Contracting Officer shall notify the Contractor of any noncompliance with these requirements and of the corrective action required. This notice, when delivered to the Contractor or the Contractor's representative at the site of the work, shall be deemed sufficient notice of the noncompliance and corrective action required. After receiving the notice, the Contractor shall immediately take corrective action. If the Contractor fails or refuses to take corrective action promptly, the Contracting Officer may issue an order stopping all or part of the work until satisfactory corrective action has been taken. The Contractor shall not base any claim or request for equitable adjustment for additional time or money on any stop order issued under these circumstances.

(e) The Contractor shall be responsible for its subcontractors' compliance with the provisions of this clause. The Contractor shall take such action with respect to any subcontract as the PHA, the Secretary of Housing and Urban Development, or the Secretary of Labor shall direct as a means of enforcing such provisions.

14. Temporary Heating

The Contractor shall provide and pay for temporary heating, covering, and enclosures necessary to properly protect all work and materials against damage by dampness and cold, to dry out the work, and to facilitate the completion of the work. Any permanent heating equipment used shall be turned over to the PHA in the condition and at the time required by the specifications.

15. Availability and Use of Utility Services

(a) The PHA shall make all reasonably required amounts of utilities available to the Contractor from existing outlets and supplies, as specified in the contract. Unless otherwise provided in the contract, the amount of each utility service consumed shall be charged to or paid for by the Contractor at prevailing rates charged to the PHA or, where the utility is produced by the PHA, at reasonable rates determined by the Contracting Officer. The Contractor shall carefully conserve any utilities furnished without charge.

(b) The Contractor, at its expense and in a manner satisfactory to the Contracting Officer, shall install and maintain all necessary temporary connections and distribution lines, and all meters required to measure the amount of each utility used for the purpose of determining charges. Before final acceptance of the work by the PHA, the Contractor shall remove all the temporary connections, distribution lines, meters, and associated paraphernalia.

16. Protection of Existing Vegetation, Structures, Equipment, Utilities, and Improvements

(a) The Contractor shall preserve and protect all structures, equipment, and vegetation (such as trees, shrubs, and grass) on or adjacent to the work site, which are not to be removed under this contract, and which do not unreasonably interfere with the work required under this contract.

(b) The Contractor shall only remove trees when specifically authorized to do so, and shall avoid damaging vegetation that will remain in place. If any limbs or branches of trees are broken during performance of this contract, or by the careless operation of equipment, or by workmen, the Contractor shall trim those limbs or branches with a clean cut and paint the cut with a tree-pruning compound as directed by the Contracting Officer.

(c) The Contractor shall protect from damage all existing improvements and utilities (1) at or near the work site and (2) on adjacent property of a third party, the locations of which are made known to or should be known by the Contractor. Prior to disturbing the ground at the construction site, the Contractor shall ensure that all underground utility lines are clearly marked.

(d) The Contractor shall shore up, brace, underpin, secure, and protect as necessary all foundations and other parts of existing structures adjacent to, adjoining, and in the vicinity of the site, which may be affected by the excavations or other operations connected with the construction of the project.

(e) Any equipment temporarily removed as a result of work under this contract shall be protected, cleaned, and replaced in the same condition as at the time of award of this contract.

(f) New work which connects to existing work shall correspond in all respects with that to which it connects and/or be similar to existing work unless otherwise required by the specifications.

(g) No structural members shall be altered or in any way weakened without the written authorization of the Contracting Officer, unless such work is clearly specified in the plans or specifications.

(h) If the removal of the existing work exposes discolored or unfinished surfaces, or work out of alignment, such surfaces shall be refinished, or the material replaced as necessary to make the continuous work uniform and harmonious. This, however, shall not be construed to require the refinishing or reconstruction of dissimilar finishes previously exposed, or finished surfaces in good condition, but in different planes or on different levels **Construction** when brought together by the removal of intervening work, unless such refinishing or reconstruction is specified in the plans or specifications.

(i) The Contractor shall give all required notices to any adjoining or adjacent property owner or other party before the commencement of any work.

(j) The Contractor shall indemnify and save harmless the PHA from any damages on account of settlement or the loss of lateral support of adjoining property, any damages from changes in topography affecting drainage, and from all loss or expense and all damages for which the PHA may become liable in consequence of such injury or damage to adjoining and adjacent structures and their premises.

(k) The Contractor shall repair any damage to vegetation, structures, equipment, utilities, or improvements, including those that are the property of a third party, resulting from failure to comply with the requirements of this contract or failure to exercise reasonable care in performing the work. If the Contractor fails or refuses to repair the damage promptly, the Contracting Officer may have the necessary work performed and charge the cost to the Contractor.

## 17. Temporary Buildings and Transportation of Materials

(a) Temporary buildings (e.g., storage sheds, shops, offices, sanitary facilities) and utilities may be erected by the Contractor only with the approval of the Contracting Officer and shall be built with labor and materials furnished by the Contractor without expense to the PHA. The temporary buildings and utilities shall remain the property of the Contractor and shall be removed by the Contractor at its expense upon completion of the work. With the written consent of the Contracting Officer, the buildings and utilities may be abandoned and need not be removed.

(b) The Contractor shall, as directed by the Contracting Officer, use only established roadways, or use temporary roadways constructed by the Contractor when and as authorized by the Contracting Officer. When materials are transported in prosecuting the work, vehicles shall not be loaded beyond the loading capacity recommended by the manufacturer of the vehicle or prescribed by any federal, state, or local law or regulation. When it is necessary to cross curbs or sidewalks, the Contractor shall protect them from damage. The Contractor shall repair or pay for the repair of any damaged curbs, sidewalks, or roads.

## 18. Clean Air and Water

The contactor shall comply with the Clean Air Act, as amended, 42 USC 7401 et seq., the Federal Water Pollution Control Water Act, as amended, 33 U.S.C. 1251 et seq., and standards issued pursuant thereto in the facilities in which this contract is to be performed.

## 19. Energy Efficiency

The Contractor shall comply with mandatory standards and policies relating to energy efficiency which are contained in the energy conservation plan issued in compliance with the Energy Policy and Conservation Act (Pub.L. 94-163) for the State in which the work under the contract is performed.

## 20. Inspection and Acceptance of

(a) Definitions. As used in this clause -
(1) “Acceptance” means the act of an authorized representative of the PHA by which the PHA approves and assumes ownership of the work performed under this contract. Acceptance may be partial or complete.
(2) “Inspection” means examining and testing the work performed under the contract (including, when appropriate, raw materials, equipment, components, and intermediate assemblies) to determine whether it conforms to contract requirements.
(3) “Testing” means that element of inspection that determines the properties or elements, including functional operation of materials, equipment, or their components, by the application of established scientific principles and procedures.

(b) The Contractor shall maintain an adequate inspection system and perform such inspections as will ensure that the work performed under the contract conforms to contract requirements. All work is subject to PHA inspection and test at all places and at all reasonable times before acceptance to ensure strict compliance with the terms of the contract.

(c) PHA inspections and tests are for the sole benefit of the PHA and do not: (1) relieve the Contractor of responsibility for providing adequate quality control measures; (2) relieve the Contractor of responsibility for loss or damage of the material before acceptance; (3) constitute or imply acceptance; or, (4) affect the continuing rights of the PHA after acceptance of the completed work under paragraph (j) below.

(d) The presence or absence of the PHA inspector does not relieve the Contractor from any contract requirement, nor is the inspector authorized to change any term or condition of the specifications without the Contracting Officer’s written authorization. All instructions and approvals with respect to the work shall be given to the Contractor by the Contracting Officer.

(e) The Contractor shall promptly furnish, without additional charge, all facilities, labor, and material reasonably needed for performing such safe and convenient inspections and tests as may be required by the Contracting Officer. The PHA may charge to the Contractor any additional cost of inspection or test when work is not ready at the time specified by the Contractor for inspection or test, or when prior rejection makes reinspection or retest necessary. The PHA shall perform all inspections and tests in a manner that will not unnecessarily delay the work. Special, full size, and performance tests shall be performed as described in the contract.

(f) The PHA may conduct routine inspections of the construction site on a daily basis.

(g) The Contractor shall, without charge, replace or correct work found by the PHA not to conform to contract requirements, unless the PHA decides that it is in its interest to accept the work with an appropriate adjustment in contract price. The Contractor shall promptly segregate and remove rejected material from the premises.

(h) If the Contractor does not promptly replace or correct rejected work, the PHA may (1) by contract or otherwise, replace or correct the work and charge the cost to the Contractor, or (2) terminate for default the Contractor's right to proceed.

(i) If any work requiring inspection is covered up without approval of the PHA, it must, if requested by the Contracting Officer, be uncovered at the expense of the Contractor. If at any time before final acceptance of the entire work, the **Construction** PHA considers it necessary or advisable, to examine work already completed by removing or tearing it out, the Contractor, shall on request, promptly furnish all necessary facilities, labor, and material. If such work is found to be defective or nonconforming in any material respect due to the fault of the Contractor or its subcontractors, the Contractor shall defray all the expenses of the examination and of satisfactory reconstruction. If, however, such work is found to meet the requirements of the contract, the Contracting Officer shall make an equitable adjustment to cover the cost of the examination and reconstruction, including, if completion of the work was thereby delayed, an extension of time.

(j) The Contractor shall notify the Contracting Officer, in writing, as to the date when in its opinion all or a designated portion of the work will be substantially completed and ready for inspection. If the Architect determines that the state of preparedness is as represented, the PHA will promptly arrange for the inspection. Unless otherwise specified in the contract, the PHA shall accept, as soon as practicable after completion and inspection, all work required by the contract or that portion of the work the Contracting Officer determines and designates can be accepted separately. Acceptance shall be final and conclusive except for latent defects, fraud, gross mistakes amounting to fraud, or the PHA's right under any warranty or guarantee.

## 21. Use and Possession Prior to Completion

(a) The PHA shall have the right to take possession of or use any completed or partially completed part of the work. Before taking possession of or using any work, the Contracting Officer shall furnish the Contractor a list of items of work remaining to be performed or corrected on those portions of the work that the PHA intends to take possession of or use. However, failure of the Contracting Officer to list any item of work shall not relieve the Contractor of responsibility for complying with the terms of the contract. The PHA's possession or use shall not be deemed an acceptance of any work under the contract.

(b) While the PHA has such possession or use, the Contractor shall be relieved of the responsibility for (1) the loss of or damage to the work resulting from the PHA's possession or use, notwithstanding the terms of the clause entitled Permits and Codes herein; (2) all maintenance costs on the areas occupied; and, (3) furnishing heat, light, power, and water used in the areas occupied without proper remuneration therefore. If prior possession or use by the PHA delays the progress of the work or causes additional expense to the Contractor, an equitable adjustment shall be made in the contract price or the time of completion, and the contract shall be modified in writing accordingly.

## 22. Warranty of Title

The Contractor warrants good title to all materials, supplies, and equipment incorporated in the work and agrees to deliver the premises together with all improvements thereon free from any claims, liens or charges, and agrees further that neither it nor any other person, firm or corporation shall have any right to a lien upon the premises or anything appurtenant thereto.

## 23. Warranty of

(a) In addition to any other warranties in this contract, the Contractor warrants, except as provided in paragraph (j) of this clause, that work performed under this contract conforms to the contract requirements and is free of any defect in equipment, material, or workmanship performed by the Contractor or any subcontractor or supplier at any tier. This warranty shall continue for a period of _____ (one year unless otherwise indicated) from the date of final acceptance of the work. If the PHA takes possession of any part of the work before final acceptance, this warranty shall continue for a period of (one year unless otherwise indicated) from the date that the PHA takes possession.

(b) The Contractor shall remedy, at the Contractor's expense, any failure to conform, or any defect. In addition, the Contractor shall remedy, at the Contractor's expense, any damage to PHA-owned or controlled real or personal property when the damage is the result of—

(1) The Contractor's failure to conform to contract requirements; or

(2) Any defects of equipment, material, workmanship or design furnished by the Contractor.

(c) The Contractor shall restore any work damaged in fulfilling the terms and conditions of this clause. The Contractor's warranty with respect to work repaired or replaced will run for (one year unless otherwise indicated) from the date of repair or replacement.

(d) The Contracting Officer shall notify the Contractor, in writing, within a reasonable time after the discovery of any failure, defect or damage.

(e) If the Contractor fails to remedy any failure, defect, or damage within a reasonable time after receipt of notice, the PHA shall have the right to replace, repair or otherwise remedy the failure, defect, or damage at the Contractor's expense.

(f) With respect to all warranties, express or implied, from subcontractors, manufacturers, or suppliers for work performed and materials furnished under this contract, the Contractor shall:

(1) Obtain all warranties that would be given in normal commercial practice;

(2) Require all warranties to be executed in writing, for the benefit of the PHA; and,

(3) Enforce all warranties for the benefit of the PHA.

(g) In the event the Contractor's warranty under paragraph (a) of this clause has expired, the PHA may bring suit at its own expense to enforce a subcontractor's, manufacturer's or supplier's warranty.

(h) Unless a defect is caused by the negligence of the Contractor or subcontractor or supplier at any tier, the Contractor shall not be liable for the repair of any defect of material or design furnished by the PHA nor for the repair of any damage that results from any defect in PHA furnished material or design.

(i) Notwithstanding any provisions herein to the contrary, the establishment of the time periods in paragraphs (a) and (c) above relate only to the specific obligation of the Contractor to correct the work, and have no relationship to the time within which its obligation to comply with the contract may be sought to be enforced, nor to the time within which proceedings may be commenced to establish the Contractor's liability with respect to its obligation other than specifically to correct the work.

(j) This warranty shall not limit the PHA's rights under the Inspection and Acceptance of Construction clause of this contract with respect to latent defects, gross mistakes or fraud.

24. Prohibition Against Liens

The Contractor is prohibited from placing a lien on the PHA's property. This prohibition shall apply to all subcontractors at any tier and all materials suppliers.

## Administrative Requirements

25. Contract Period

this contract within 284 calendar days of the effective date of the contract, or within the time schedule established in the notice to proceed issued by the Contracting Officer.

26. Order of Provisions

accordance with the terms and conditions of the

In the event of a conflict between these General Conditions and the Specifications, the General Conditions shall prevail. In the event of a conflict between the contract and any applicable state or local law or regulation, the state or local law or regulation shall prevail; provided that such state or local law or regulation does not conflict with, or is less restrictive than applicable federal law, regulation, or Executive Order. In the event of such a conflict, applicable federal law, regulation, and Executive Order shall prevail.

27. Payments

retain ten (10) percent of the amount of progress

(a) The PHA shall pay the Contractor the price as provided in this contract.

(b) The PHA shall make progress payments approximately every 30 days as the work proceeds, on estimates of work accomplished which meets the standards of quality established under the contract, as approved by the Contracting Officer. The PHA may, subject to written determination and approval of the Contracting Officer, make more frequent payments to contractors which are qualified small businesses.

(c) Before the first progress payment under this contract, the Contractor shall furnish, in such detail as requested by the Contracting Officer, a breakdown of the total contract price showing the amount included therein for each principal category of the work, which shall substantiate the payment amount requested in order to provide a basis for determining progress payments. The breakdown shall be approved by the Contracting Officer and must be acceptable to HUD. If the contract covers more than one project, the Contractor shall furnish a separate breakdown for each. The values and quantities employed in making up this breakdown are for determining the amount of progress payments and shall not be construed as a basis for additions to or deductions from the contract price. The Contractor shall prorate its overhead and profit over the construction period of the contract.

(d) The Contractor shall submit, on forms provided by the PHA, periodic estimates showing the value of the work performed during each period based upon the approved

submitted not later than 45 days in advance of the date set for payment and are subject to correction and revision as required. The estimates must be approved by the Contracting Officer with the concurrence of the Architect prior to payment. If the contract covers more than one project, the Contractor shall furnish a separate progress payment estimate for each.

(e) Along with each request for progress payments and the required estimates, the Contractor shall furnish the following certification, or payment shall not be made: I hereby certify, to the best of my knowledge and belief, that:

(1) The amounts requested are only for performance in accordance with the specifications, terms, and conditions of the contract;

(2) Payments to subcontractors and suppliers have been made from previous payments received under the contract, and timely payments will be made from the proceeds of the payment covered by this certification, in accordance with subcontract agreements; and,

(3) This request for progress payments does not include any amounts which the prime contractor intends to withhold or retain from a subcontractor or supplier in

subcontract.

**Name:**

Title:

Date:

(f) Except as otherwise provided in State law, the PHA shall

payments until completion and acceptance of all work under the contract; except, that if upon completion of 50 percent of the work, the Contracting Officer, after consulting with the Architect, determines that the Contractor's performance and progress are satisfactory, the PHA may make the remaining payments in full for the work subsequently completed. If the Contracting Officer subsequently determines that the Contractor's performance and progress are unsatisfactory, the PHA shall reinstate the ten (10) percent (or other percentage as provided in State law) retainage until such time as the Contracting Officer determines that performance and progress are satisfactory.

(g) The Contracting Officer may authorize material delivered on the site and preparatory work done to be taken into consideration when computing progress payments.

Material delivered to the Contractor at locations other than the site may also be taken into consideration if the Contractor furnishes satisfactory evidence that (1) it has acquired title to such material; (2) the material is properly stored in a bonded warehouse, storage yard, or similar suitable place as may be approved by the Contracting Officer; (3) the material is insured to cover its full value; and (4) the material will be used to perform this contract. Before any progress payment which includes delivered material is made, the Contractor shall furnish such documentation as the Contracting Officer may require to assure the protection of the PHA's interest in such materials. The Contractor shall remain responsible for such stored material notwithstanding the transfer of title to the PHA.

(h) All material and work covered by progress payments made shall, at the time of payment become the sole property of the PHA, but this shall not be construed as (1) relieving the Contractor from the sole responsibility for all material and work upon which payments have been made or the restoration of any damaged work; or, (2) waiving the right of the PHA to require the fulfillment of all of the terms of the contract. In the event the work of the Contractor has been damaged by other contractors or persons other than employees of the PHA in the course of their employment, the Contractor shall restore such damaged work without cost to the PHA and to seek redress for its damage only from those who directly caused it.

(i) The PHA shall make the final payment due the Contractor under this contract after (1) completion and final acceptance of all work; and (2) presentation of release of all claims against the PHA arising by virtue of this contract, other than claims, in stated amounts, that the Contractor has specifically excepted from the operation of the release. Each such exception shall embrace no more than one claim, the basis and scope of which shall be clearly defined. The amounts for such excepted claims shall not be included in the request for final payment. A release may also be required of the assignee if the Contractor's claim to amounts payable under this contract has been assigned.

(j) Prior to making any payment, the Contracting Officer may require the Contractor to furnish receipts or other evidence of payment from all persons performing work and supplying material to the Contractor, if the Contracting Officer determines such evidence is necessary to substantiate claimed costs.

(k) The PHA shall not; (1) determine or adjust any claims for payment or disputes arising there under between the Contractor and its subcontractors or material suppliers; or, (2) withhold any moneys for the protection of the subcontractors or material suppliers. The failure or refusal of the PHA to withhold moneys from the Contractor shall in nowise impair the obligations of any surety or sureties under any bonds furnished under this contract.

## 28. Contract Modifications

(a) Only the Contracting Officer has authority to modify any term or condition of this contract. Any contract modification shall be authorized in writing.

(b) The Contracting Officer may modify the contract unilaterally (1) pursuant to a specific authorization stated in a contract clause (e.g., Changes); or (2) for administrative matters which do not change the rights or responsibilities of the parties (e.g., change in the PHA address). All other contract modifications shall be in the form of supplemental agreements signed by the Contractor and the Contracting Officer.

(c) When a proposed modification requires the approval of HUD prior to its issuance (e.g., a change order that exceeds the PHA's approved threshold), such modification shall not be effective until the required approval is received by the PHA.

## 29. Changes

(a) The Contracting Officer may, at any time, without notice to the sureties, by written order designated or indicated to be a change order, make changes in the work within the general scope of the contract including changes:
(1) In the specifications (including drawings and designs);
(2) In the method or manner of performance of the work;
(3) PHA-furnished facilities, equipment, materials, services, or site; or,
(4) Directing the acceleration in the performance of the work.

(b) Any other written order or oral order (which, as used in this paragraph (b), includes direction, instruction, interpretation, or determination) from the Contracting Officer that causes a change shall be treated as a change order under this clause; provided, that the Contractor gives the Contracting Officer written notice stating (1) the date, circumstances and source of the order and (2) that the Contractor regards the order as a change order.

(c) Except as provided in this clause, no order, statement or conduct of the Contracting Officer shall be treated as a change under this clause or entitle the Contractor to an equitable adjustment.

(d) If any change under this clause causes an increase or decrease in the Contractor's cost of, or the time required for the performance of any part of the work under this contract, whether or not changed by any such order, the Contracting Officer shall make an equitable adjustment and modify the contract in writing. However, except for a adjustment based on defective specifications, no proposal for any change under paragraph (b) above shall be allowed for any costs incurred more than 20 days (5 days for oral orders) before the Contractor gives written notice as required. In the case of defective specifications for which the PHA is responsible, the equitable adjustment shall include any increased cost reasonably incurred by the Contractor in attempting to comply with the defective specifications.

(e) The Contractor must assert its right to an adjustment under this clause within 30 days after (1) receipt of a written change order under paragraph (a) of this clause, or (2) the furnishing of a written notice under paragraph (b) of this clause, by submitting a written statement describing the general nature and the amount of the proposal. If the facts justify it, the Contracting Officer may extend the period for submission. The proposal may be included in the notice required under paragraph (b) above. No proposal by the Contractor for an equitable adjustment shall be allowed if asserted after final payment under this contract.

(f) The Contractor's written proposal for equitable adjustment shall be submitted in the form of a lump sum proposal supported with an itemized breakdown of all increases and decreases in the contract in at least the following details:

(1) Direct Costs. Materials (list individual items, the quantity and unit cost of each, and the aggregate cost); Transportation and delivery costs associated with materials; Labor breakdowns by hours or unit costs (identified with specific work to be performed); Construction equipment exclusively necessary for the change; Costs of preparation and/ or revision to shop drawings resulting from the change; Worker's Compensation and Public Liability Insurance; Employment taxes under FICA and FUTA; and, Bond Costs when size of change warrants revision.

(2) Indirect Costs. Indirect costs may include overhead, general and administrative expenses, and fringe benefits not normally treated as direct costs.

(3) Profit. The amount of profit shall be negotiated and may vary according to the nature, extent, and complexity of the work required by the change. The allowability of the direct and indirect costs shall be determined in accordance with the Contract Cost Principles and Procedures for Commercial Firms in Part 31 of the Federal Acquisition Regulation (48 CFR 1-31), as implemented by HUD Handbook 2210.18, in effect on the date of this contract. The Contractor shall not be allowed a profit on the profit received by any subcontractor. Equitable adjustments for deleted work shall include a credit for profit and may include a credit for indirect costs. On proposals covering both increases and decreases in the amount of the contract, the application of indirect costs and profit shall be on the net-change in direct costs for the Contractor or subcontractor performing the work.

(g) The Contractor shall include in the proposal its request for time extension (if any), and shall include sufficient information and dates to demonstrate whether and to what extent the change will delay the completion of the contract in its entirety.

(h) The Contracting Officer shall act on proposals within 30 days after their receipt, or notify the Contractor of the date when such action will be taken.

(i) Failure to reach an agreement on any proposal shall be a dispute under the clause entitled Disputes herein. Nothing in this clause, however, shall excuse the Contractor from proceeding with the contract as changed.

(j) Except in an emergency endangering life or property, no change shall be made by the Contractor without a prior order from the Contracting Officer.

## 30. Suspension of Work

(a) The Contracting Officer may order the Contractor in writing to suspend, delay, or interrupt all or any part of the work of this contract for the period of time that the Contracting Officer determines appropriate for the convenience of the PHA.

(b) If the performance of all or any part of the work is, for an unreasonable period of time, suspended, delayed, or interrupted (1) by an act of the Contracting Officer in the administration of this contract, or (2) by the Contracting Officer's failure to act within the time specified (or within a reasonable time if not specified) in this contract an adjustment shall be made for any increase in the cost of performance of the contract (excluding profit) necessarily caused by such unreasonable suspension, delay, or interruption and the contract modified in writing accordingly. However, no adjustment shall be made under this clause for any suspension, delay, or interruption to the extent that performance would have been so suspended, delayed, or interrupted by any other cause, including the fault or negligence of the Contractor or for which any equitable adjustment is provided for or excluded under any other provision of this contract.

(c) A claim under this clause shall not be allowed (1) for any costs incurred more than 20 days before the Contractor shall have notified the Contracting Officer in writing of the act or failure to act involved (but this requirement shall not apply as to a claim resulting from a suspension order); and, (2) unless the claim, in an amount stated, is asserted in writing as soon as practicable after the termination of the suspension, delay, or interruption, but not later than the date of final payment under the contract.

## 31. Disputes

(a) "Claim," as used in this clause, means a written demand or written assertion by one of the contracting parties seeking, as a matter of right, the payment of money in a sum certain, the adjustment or interpretation of contract terms, or other relief arising under or relating to the contract. A claim arising under the contract, unlike a claim relating to the contract, is a claim that can be resolved under a contract clause that provides for the relief sought by the claimant. A voucher, invoice, or other routine request for payment that is not in dispute when submitted is not a claim. The submission may be converted to a claim by complying with the requirements of this clause, if it is disputed either as to liability or amount or is not acted upon in a reasonable time.

(b) Except for disputes arising under the clauses entitled Labor Standards - Davis Bacon and Related Acts, herein, all disputes arising under or relating to this contract, including any claims for damages for the alleged breach thereof which are not disposed of by agreement, shall be resolved under this clause.

(c) All claims by the Contractor shall be made in writing and submitted to the Contracting Officer for a written decision. A claim by the PHA against the Contractor shall be subject to a written decision by the Contracting Officer.

(d) The Contracting Officer shall, within 60 (unless otherwise indicated) days after receipt of the request, decide the claim or notify the Contractor of the date by which the decision will be made.

(e) The Contracting Officer's decision shall be final unless the Contractor (1) appeals in writing to a higher level in the PHA in accordance with the PHA's policy and procedures, (2) refers the appeal to an independent mediator or arbitrator, or (3) files suit in a court of competent jurisdiction. Such appeal must be made within (30 unless otherwise indicated) days after receipt of the Contracting Officer's decision.

(f) The Contractor shall proceed diligently with performance of this contract, pending final resolution of any request for relief, claim, appeal, or action arising under or relating to the contract, and comply with any decision of the Contracting Officer.

## 32. Default

(a) If the Contractor refuses or fails to prosecute the work, or any separable part thereof, with the diligence that will insure its completion within the time specified in this contract, or any extension thereof, or fails to complete said work within this time, the Contracting Officer may, by written notice to the Contractor, terminate the right to

proceed with the work (or separable part of the work) that has been delayed. In this event, the PHA may take over the work and complete it, by contract or otherwise, and may take possession of and use any materials, equipment, and plant on the work site necessary for completing the work. The Contractor and its sureties shall be liable for any damage to the PHA resulting from the Contractor's refusal or failure to complete the work within the specified time, whether or not the Contractor's right to proceed with the work is terminated. This liability includes any increased costs incurred by the PHA in completing the work.

(b) The Contractor's right to proceed shall not be terminated or the Contractor charged with damages under this clause if—

(1) The delay in completing the work arises from unforeseeable causes beyond the control and without the fault or negligence of the Contractor. Examples of such causes include (i) acts of God, or of the public enemy, (ii) acts of the PHA or other governmental entity in either its sovereign or contractual capacity, (iii) acts of another contractor in the performance of a contract with the PHA, (iv) fires, (v) floods, (vi) epidemics, (vii) quarantine restrictions, (viii) strikes, (ix) freight embargoes, (x) unusually severe weather, or (xi) delays of subcontractors or suppliers at any tier arising from unforeseeable causes beyond the control and without the fault or negligence of both the Contractor and the subcontractors or suppliers; and

(2) The Contractor, within days (10 days unless otherwise indicated) from the beginning of such delay (unless extended by the Contracting Officer) notifies the Contracting Officer in writing of the causes of delay. The Contracting Officer shall ascertain the facts and the extent of the delay. If, in the judgment of the Contracting Officer, the findings of fact warrant such action, time for completing the work shall be extended by written modification to the contract. The findings of the Contracting Officer shall be reduced to a written decision which shall be subject to the provisions of the Disputes clause of this contract.

(c) If, after termination of the Contractor's right to proceed, it is determined that the Contractor was not in default, or that the delay was excusable, the rights and obligations of the parties will be the same as if the termination had been for convenience of the PHA.

## 33. Liquidated Damages

(a) If the Contractor fails to complete the work within the time specified in the contract, or any extension, as specified in the clause entitled Default of this contract, the Contractor shall pay to the PHA as liquidated damages, the sum of $ 250.00 Contracting Officer insert amount] for each day of delay. If different completion dates are specified in the contract for separate parts or stages of the work, the amount of liquidated damages shall be assessed on those parts or stages which are delayed. To the extent that the Contractor's delay or nonperformance is excused under another clause in this contract, liquidated damages shall not be due the PHA. The Contractor remains liable for damages caused other than by delay.

(b) If the PHA terminates the Contractor's right to proceed, the resulting damage will consist of liquidated damages until such reasonable time as may be required for final completion of the work together with any increased costs occasioned the PHA in completing the work.

(c) If the PHA does not terminate the Contractor's right to proceed, the resulting damage will consist of liquidated damages until the work is completed or accepted.

## 34. Termination for Convenience

(a) The Contracting Officer may terminate this contract in whole, or in part, whenever the Contracting Officer determines that such termination is in the best interest of the PHA. Any such termination shall be effected by delivery to the Contractor of a Notice of Termination specifying the extent to which the performance of the work under the contract is terminated, and the date upon which such termination becomes effective.

(b) If the performance of the work is terminated, either in whole or in part, the PHA shall be liable to the Contractor for reasonable and proper costs resulting from such termination upon the receipt by the PHA of a properly presented claim setting out in detail: (1) the total cost of the work performed to date of termination less the total amount of contract payments made to the Contractor; (2) the cost (including reasonable profit) of settling and paying claims under subcontracts and material orders for work performed and materials and supplies delivered to the site, payment for which has not been made by the PHA to the Contractor or by the Contractor to the subcontractor or supplier; (3) the cost of preserving and protecting the work already performed until the PHA or assignee takes possession thereof or assumes responsibility therefore; (4) the actual or estimated cost of legal and accounting services reasonably necessary to prepare and present the termination claim to the PHA; and (5) an amount constituting a reasonable profit on the value of the work performed by the Contractor.

(c) The Contracting Officer will act on the Contractor's claim within days (60 days unless otherwise indicated) of receipt of the Contractor's claim.

(d) Any disputes with regard to this clause are expressly made subject to the provisions of the Disputes clause of this contract.

## 35. Assignment of Contract

The Contractor shall not assign or transfer any interest in this contract; except that claims for monies due or to become due from the PHA under the contract may be assigned to a bank, trust company, or other financial institution. Such assignments of claims shall only be made with the written concurrence of the Contracting Officer. If the Contractor is a partnership, this contract shall inure to the benefit of the surviving or remaining member(s) of such partnership as approved by the Contracting Officer.

## 36. Insurance

(a) Before commencing work, the Contractor and each subcontractor shall furnish the PHA with certificates of insurance showing the following insurance is in force and will insure all operations under the Contract:

(1) Workers' Compensation, in accordance with state or Territorial Workers' Compensation laws.

(2) Commercial General Liability with a combined single limit for bodily injury and property damage of not less than $ 1MILLION [Contracting Officer insert amount]

per occurrence to protect the Contractor and each subcontractor against claims for bodily injury or death and damage to the property of others. This shall cover the use of all equipment, hoists, and vehicles on the site(s) not covered by Automobile Liability under (3) below. If the Contractor has a "claims made" policy, then the following additional requirements apply: the policy must provide a "retroactive date" which must be on or before the execution date of the Contract; and the extended reporting period may not be less than five years following the completion date of the Contract.

(3) Automobile Liability on owned and non -owned motor vehicles used on the site(s) or in connection therewith for a combined single limit for bodily injury and property damage of not less than $ 1MILLION [Contracting Officer insert amount] per occurrence.

(b) Before commencing work, the Contractor shall furnish the PHA with a certificate of insurance evidencing that Builder's Risk (fire and extended coverage) Insurance on all work in place and/or materials stored at the building site(s), including foundations and building equipment, is in force. The Builder's Risk Insurance shall be for the benefit of the Contractor and the PHA as their interests may appear and each shall be named in the policy or policies as an insured. The Contractor in installing equipment supplied by the PHA shall carry insurance on such equipment from the time the Contractor takes possession thereof until the Contract work is accepted by the PHA. The Builder's Risk Insurance need not be carried on excavations, piers, footings, or foundations until such time as work on the superstructure is started. It need not be carried on landscape work. Policies shall furnish coverage at all times for the full cash value of all completed construction, as well as materials in place and/or stored at the site(s), whether or not partial payment has been made by the PHA. The Contractor may terminate this insurance on buildings as of the date taken over for occupancy by the PHA. The Contractor is not required to carry Builder's Risk Insurance for modernization work which does not involve structural alterations or additions and where the PHA's existing fire and extended coverage policy can be endorsed to include such work.

(c) All insurance shall be carried with companies which are financially responsible and admitted to do business in the State in which the project is located. If any such insurance is due to expire during the construction period, the Contractor (including subcontractors, as applicable) shall not permit the coverage to lapse and shall furnish evidence of coverage to the Contracting Officer. All certificates of insurance, as evidence of coverage, shall provide that no coverage may be canceled or non-renewed by the insurance company until at least 30 days prior written notice has been given to the Contracting Officer.

## 37. Subcontracts

(a) Definitions. As used in this contract -

(1) "Subcontract" means any contract, purchase order, or other purchase agreement, including modifications and change orders to the foregoing, entered into by a subcontractor to furnish supplies, materials, equipment, and services for the performance of the prime contract or a subcontract.

(2) "Subcontractor" means any supplier, vendor, or firm that furnishes supplies, materials, equipment, or services to or for the Contractor or another subcontractor.

(b) The Contractor shall not enter into any subcontract with any subcontractor who has been temporarily denied participation in a HUD program or who has been suspended or debarred from participating in contracting programs by any agency of the United States Government or of the state in which the work under this contract is to be performed.

(c) The Contractor shall be as fully responsible for the acts or omissions of its subcontractors, and of persons either directly or indirectly employed by them as for the acts or omissions of persons directly employed by the Contractor.

(d) The Contractor shall insert appropriate clauses in all subcontracts to bind subcontractors to the terms and conditions of this contract insofar as they are applicable to the work of subcontractors.

(e) Nothing contained in this contract shall create any contractual relationship between any subcontractor and the PHA or between the subcontractor and HUD.

## 38. Subcontracting with Small and Minority Firms, Women's Business Enterprise, and Labor Surplus Area Firms

The Contractor shall take the following steps to ensure that, whenever possible, subcontracts are awarded to small business firms, minority firms, women's business enterprises, and labor surplus area firms:

(a) Placing qualified small and minority businesses and women's business enterprises on solicitation lists;

(b) Ensuring that small and minority businesses and women's business enterprises are solicited whenever they are potential sources;

(c) Dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses and women's business enterprises;

(d) Establishing delivery schedules, where the requirements of the contract permit, which encourage participation by small and minority businesses and women's business enterprises; and

(e) Using the services and assistance of the U.S. Small Business Administration, the Minority Business Development Agency of the U.S. Department of Commerce, and State and local governmental small business agencies.

## 39. Equal Employment Opportunity

During the performance of this contract, the Contractor/ Seller agrees as follows:

(a) The Contractor/Seller shall not discriminate against any employee or applicant for employment because of of race color, religion, sex, sexual orientation, gender identity, disability, or national origin.

(b) The Contractor/Seller shall take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity, disability, or national origin. Such action shall include, but not be limited to, (1) employment, (2) upgrading demotion, (4) transfer, (5) recruitment or recruitment advertising, (6) layoff or termination, (7) rates of pay or other forms of compensation, and (8) selection for training,including apprenticeship

(c) The Contractor/Seller agrees to post in conspicuous places available to employees and applicants for employment the notices to be provided by the Contracting Officer setting forth the provisions of this nondiscrimination clause.
(d) The Contractor/Seller shall, in all solicitations or advertisements for employees placed by or on behalf of the Contractor/Seller, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, or national origin.
(e) The Contractor/Seller shall send, to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding, the notice to be provided by the Contracting Officer advising the labor union or workers' representative of the Contractor's commitments under this clause, and post copies of the notice in conspicuous places available to employees and applicants for employment.
(f) The Contractor/Seller shall comply with Executive Order 11246, as amended, and the rules, regulations, and orders of the Secretary of Labor.
(g) The Contractor/Seller shall furnish all information and reports required by Executive Order 11246, as amended, Section 503 of the Rehabilitation Act of 1973, as amended, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto. The Contractor/Seller shall permit

access to its books, records, and accounts by the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

(h) In the event of a that the Contractor/Seller is in noncompliance with the nondiscrimination clauses of this contract or with any of such rules, regulations, or orders, this contract may be canceled, terminated or suspended in whole or in part and the contractor/seller may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

(i)The contractor/seller will include the provisions of paragraphs (a) through (h) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each sub[contractor/seller] or vendor. The [contractor/seller] will take such action with respect to any subcontract or purchase order as may be directed by the Secretary of Labor as a means of enforcing such provisions in cluding sanctions for noncompliance: Provided, however, that in the event the [contractor/seller] becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction, the [contractor/seller] may request the United States to enter into such litigation to protect the interests of the United States.

(j) Compliance with the requirements of this clause shall be to the maximum extent consistent with, but not in derogation of, compliance with section 7(b) of the Indian Self-Determination and Education Assistance Act and the Indian Preference clause of this contract.

**40. Employment, Training, and Contracting Opportunities for Low-Income Persons, Section 3 of the Housing and Urban Development Act of 1968.**

(a) The work to be performed under this contract is subject to the requirements of Section 3 of the Housing and Urban Development Act of 1968, as amended, 12 U.S.C. 1701u (section 3). The purpose of section 3 is to ensure that employment and other economic opportunities generated by HUD assistance or HUD-assisted projects covered by Section 3, shall, to the greatest extent feasible, be directed to low- and very low-income persons, particularly persons who are recipients of HUD assistance for housing.
(b) The parties to this contract agree to comply with HUD's regulations in 24 CFR Part 75, which implement Section 3. As evidenced by their execution of this contract, the parties to this contract certify that they are under no contractual or other impediment that would prevent them from complying with the Part 75 regulations.
(c) The contractor agrees to send to each labor organization or representative of workers with which the contractor has a collective bargaining agreement or other understanding, if any, a notice advising the labor organization or workers' representative of the contractor's commitments under this section 3 clause and will post copies of the notice in conspicuous places at the work site where both employees and applicants for training and employment positions can see the notice. The notice shall describe the Section 3 prioritization requirements and shall state the minimum percentages of labor hour requirements established in the Benchmark Notice (FR-6085-N-04).
(d) The contractor agrees to include this section 3 clause in every subcontract subject to compliance with regulations in 24 CFR Part 75, and agrees to take appropriate action, as provided in an applicable provision of the subcontract or in this section 3 clause, upon a finding that the subcontractor is in violation of the regulations in 24 CFR Part 75. The contractor will not subcontract with any subcontractor where the contractor has notice or knowledge that the subcontractor has been found in violation of the regulations in 24 CFR Part 75.
(e) Noncompliance with HUD's regulations in 24 CFR Part 75 may result in sanctions, termination of this contract for default, and debarment or suspension from future HUD assisted contracts.
(f) Contracts, subcontracts, grants, or subgrants subject to Section 7(b) of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 5307(b)) or subject to tribal preference requirements as authorized under 101(k) of the Native American Housing Assistance and Self-Determination Act (25 U.S.C. 4111(k)) must provide preferences in employment, training, and business opportunities to Indians and Indian organizations, and are therefore not subject to the requirements of 24 CFR Part 75.

## 41. Interest of Members of Congress

No member of or delegate to the Congress of the United States of America shall be admitted to any share or part of this contract or to any benefit that may arise therefrom.

## 42. Interest of Members, Officers, or Employees and Former Members, Officers, or Employees

No member, officer, or employee of the PHA, no member of the governing body of the locality in which the project is situated, no member of the governing body of the locality in which the PHA was activated, and no other public official of such locality or localities who exercises any functions or responsibilities with respect to the project, shall, during his or her tenure, or for one year thereafter, have any interest, direct or indirect, in this contract or the proceeds thereof.

## 43. Limitations on Payments made to Influence Certain Federal Financial Transactions

(a) The Contractor agrees to comply with Section 1352 of Title 31, United States Code which prohibits the use of **Acts** Federal appropriated funds to pay any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, and officer or employee of Congress, or an employee of a Member of Congress in connection with any of the following covered Federal actions: the awarding of any Federal contract; the making of any Federal grant; the making of any Federal loan; the entering into of any cooperative agreement; or the modification of any Federal contract, grant, loan, or cooperative agreement.

(b) The Contractor further agrees to comply with the requirement of the Act to furnish a disclosure (OMB Standard Form LLL, Disclosure of Lobbying Activities) if any funds other than Federal appropriated funds (including profit or fee received under a covered Federal transaction) have been paid, or will be paid, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with a Federal contract, grant, loan, or cooperative agreement.

## 44. Royalties and Patents

The Contractor shall pay all royalties and license fees. It shall defend all suits or claims for infringement of any patent rights and shall save the PHA harmless from loss on account thereof; except that the PHA shall be responsible for all such loss when a particular design, process or the product of a particular manufacturer or manufacturers is specified and the Contractor has no reason to believe that the specified design, process, or product is an infringement. If, however, the Contractor has reason to believe that any design, process or product specified is an infringement of a patent, the Contractor shall promptly notify the Contracting Officer. Failure to give such notice shall make the Contractor responsible for resultant loss.

## 45. Examination and Retention of Contractor's Records

(a) The PHA, HUD, or Comptroller General of the United States, or any of their duly authorized representatives shall, until 3 years after final payment under this contract, have access to and the right to examine any of the Contractor's directly pertinent books, documents, papers, or other records involving transactions related to this contract for the purpose of making audit, examination, excerpts, and transcriptions.

(b) The Contractor agrees to include in first-tier subcontracts under this contract a clause substantially the same as paragraph (a) above. "Subcontract," as used in this clause, excludes purchase orders not exceeding $10,000.

(c) The periods of access and examination in paragraphs (a) and (b) above for records relating to (1) appeals under the Disputes clause of this contract, (2) litigation or settlement of claims arising from the performance of this contract, or (3) costs and expenses of this contract to which the PHA, HUD, or Comptroller General or any of their duly authorized representatives has taken exception shall continue until disposition of such appeals, litigation, claims, or exceptions.

## 46. Labor Standards - Davis-Bacon and Related

If the total amount of this contract exceeds $2,000, the Federal labor standards set forth in the clause below shall apply to the development or construction work to be performed under the contract.

(a) Minimum Wages.

(1) All laborers and mechanics employed under this contract in the development or construction of the project(s) involved will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR Part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the Contractor and such laborers and mechanics. Contributions made or costs reasonably anticipated for bona fide fringe benefits under Section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of 29 CFR 5.5(a)(1)(iv); also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the regular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits in the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein; provided, that the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under 29 CFR 5.5(a)(1)(ii) and the Davis-Bacon poster (WH-1321) shall

be posted at all times by the Contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

(2) (i) Any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. HUD shall approve an additional classification and wage rate and fringe benefits therefor only when all the following criteria have been met: (A) The work to be performed by the classification requested is not performed by a classification in the wage determination; and (B) The classification is utilized in the area by the construction industry; and (C) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(ii) If the Contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and HUD or its designee agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by HUD or its designee to the Administrator of the Wage and Hour Division, Employee Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise HUD or its designee or will notify HUD or its designee within the 30-day period that additional time is necessary.

(iii) In the event the Contractor, the laborers or mechanics to be employed in the classification or their representatives, and HUD or its designee do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), HUD or its designee shall refer the questions, including the views of all interested parties and the recommendation of HUD or its designee, to the Administrator of the Wage and Hour Division for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise HUD or its designee or will notify HUD or its designee within the 30-day period that additional time is necessary.

(iv) The wage rate (including fringe benefits where appropriate) determined pursuant to subparagraphs (a)(2)(ii) or (iii) of this clause shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in classification.

(3) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the Contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

(4) If the Contractor does not make payments to a trustee or other third person, the Contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program; provided, that the Secretary of Labor has found, upon the written request of the Contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the Contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

(b) Withholding of funds. HUD or its designee shall, upon its own action or upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the Contractor under this contract or any other Federal contract with the same prime Contractor, or any other Federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime Contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the Contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working in the construction or development of the project, all or part of the wages required by the contract, HUD or its designee may, after written notice to the Contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased. HUD or its designee may, after written notice to the Contractor, disburse such amounts withheld for and on account of the Contractor or subcontractor to the respective employees to whom they are due.

(c) Payrolls and basic records.

(1) Payrolls and basic records relating thereto shall be maintained by the Contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working in the construction or development of the project. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made, and actual wages paid. Whenever the Secretary of Labor has found, under 29 CFR 5.5(a)(1)(iv), that the wages of any laborer or mechanic include the amount of costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the Contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

(2) (i) The Contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the Contracting Officer for transmission to HUD or its designee. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under subparagraph (c)(1) of this clause. This information may be submitted in any form desired. Optional Form WH-347 (Federal Stock Number 029-005-00014-1) is available for this purpose and may be purchased from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. The Contractor is responsible for the submission of copies of payrolls by all subcontractors. (Approved by the Office of Management and Budget under OMB Control Number 1214-0149.)

(ii) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the Contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(A) That the payroll for the payroll period contains the information required to be maintained under paragraph (c) (1) of this clause and that such information is correct and complete;

(B) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in 29 CFR Part 3; and

(C) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(iii) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirements for submission of the "Statement of Compliance" required by subparagraph (c)(2)(ii) of this clause.

(iv) The falsification of any of the above certifications may subject the Contractor or subcontractor to civil or criminal prosecution under Section 1001 of Title 18 and Section 3729 of Title 31 of the United States Code.

(3) The Contractor or subcontractor shall make the records required under subparagraph (c)(1) available for inspection, copying, or transcription by authorized representatives of HUD or its designee, the Contracting Officer, or the Department of Labor and shall permit such representatives to interview employees during working hours on the job. If the Contractor or subcontractor fails to submit the required records or to make them available, HUD or its designee may, after written notice to the Contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

(d) (1) Apprentices. Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship and Training, Employer and Labor Services (OATELS), or with a State Apprenticeship Agency recognized by OATELS, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by OATELS or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the Contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated in this paragraph, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the Contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator of the Wage and Hour Division determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event OATELS, or a State Apprenticeship Agency recognized by OATELS, withdraws approval of an apprenticeship program, the Contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(2) Trainees. Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under

the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed in the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate in the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate in the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate in the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the Contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(3) Equal employment opportunity. The utilization of apprentices, trainees, and journeymen under this clause shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR Part 30.

(e) Compliance with Copeland Act requirements. The Contractor shall comply with the requirements of 29 CFR Part 3, which are hereby incorporated by reference in this contract.

(f) Contract termination; debarment. A breach of this contract clause may be grounds for termination of the contract and for debarment as a Contractor and a subcontractor as provided in 29 CFR 5.12.

(g) Compliance with Davis-Bacon and related Act requirements. All rulings and interpretations of the Davis-Bacon and related Acts contained in 29 CFR Parts 1, 3, and 5 are herein incorporated by reference in this contract.

(h) Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this clause shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR Parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the Contractor (or any of its subcontractors) and the PHA, HUD, the U.S. Department of Labor, or the employees or their representatives.

(i) Certification of eligibility.

(1) By entering into this contract, the Contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the Contractor's firm is a person or firm ineligible to be awarded contracts by the United States Government by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(2) No part of this contract shall be subcontracted to any person or firm ineligible for award of a United States Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(3) The penalty for making false statements is prescribed in the U. S. Criminal Code, 18 U.S.C. 1001.

(j) Contract Work Hours and Safety Standards Act. As used in this paragraph, the terms "laborers" and "mechanics" include watchmen and guards.

(1) Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics, including watchmen and guards, shall require or permit any such laborer or mechanic in any workweek in which the individual is employed on such work to work in excess of 40 hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of 40 hours in such workweek.

(2) Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the provisions set forth in subparagraph (j)(1) of this clause, the Contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such Contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic (including watchmen and guards) employed in violation of the provisions set forth in subparagraph (j)(1) of this clause, in the sum of $27 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of 40 hours without payment of the overtime wages required by provisions set forth in subparagraph (j)(1) of this clause. DOL posts current fines at: https://www.dol.gov/whd/govcontracts/cwhssa.htm#cmp

(3) Withholding for unpaid wages and liquidated damages. HUD or its designee shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the Contractor or subcontractor under any such contract or any Federal contract with the same prime Contractor, or any other Federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime Contractor, such sums as may be determined to be necessary to satisfy any liabilities of such Contractor or subcontractor for unpaid wages and liquidated damages as provided in the provisions set forth in subparagraph (j)(2) of this clause.

(k) Subcontracts. The Contractor or subcontractor shall insert in any subcontracts all the provisions contained in this clause, and such other clauses as HUD or its designee may by appropriate instructions require, and also a clause requiring the subcontractors to include these provisions in any lower tier subcontracts. The prime Contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all these provisions.

47. Non-Federal Prevailing Wage Rates

(a) Any prevailing wage rate (including basic hourly rate and any fringe benefits), determined under State or tribal law to be prevailing, with respect to any employee in any trade or position employed under the contract, is inapplicable to the contract and shall not be enforced against the Contractor or any subcontractor, with respect to employees engaged under the contract whenever such non-Federal prevailing wage rate exceeds:

(1) The applicable wage rate determined by the Secretary of Labor pursuant to the Davis-Bacon Act (40 U.S.C. 3141 et seq.) to be prevailing in the locality with respect to such trade;

(b) An applicable apprentice wage rate based thereon specified in an apprenticeship program registered with the U.S. Department of Labor (DOL) or a DOL-recognized State Apprenticeship Agency; or

(c) An applicable trainee wage rate based thereon specified in a DOL-certified trainee program.

48. Procurement of Recovered Materials.

(a) In accordance with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act, the Contractor shall procure items designated in guidelines of the Environmental Protection Agency (EPA) at 40 CFR Part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition. The Contractor shall procure items designated in the EPA guidelines that contain the highest percentage of recovered materials practicable unless the Contractor determines that such items: (1) are not reasonably available in a reasonable period of time; (2) fail to meet reasonable performance standards, which shall be determined on the basis of the guidelines of the National Institute of Standards and Technology, if applicable to the item; or (3) are only available at an unreasonable price.

( ) Paragraph (a) of this clause shall apply to items purchased under this contract where: (1) the Contractor purchases in excess of $10,000 of the item under this contract; or (2) during the preceding Federal fiscal year, the Contractor: (i) purchased any amount of the items for use under a contract that was funded with Federal appropriations and was with a Federal agency or a State agency or agency of a political subdivision of a State; and (ii) purchased a total of in excess of $10,000 of the item both under and outside that contract.

**Family Recreational Area at Northview Heights, AMP-09**

**HACP Contract No.** 600-11-26

# SUPPLEMENTAL GENERAL CONDITIONS

*SUPPLEMENTAL GENERAL CONDITIONS*

***To the extent that there is a conflict between the terms of the General Conditions and the terms of the Supplemental General Conditions, the terms of the Supplemental General Conditions shall govern to the extent of such conflict.***

If HUD 5370 applies:

***Section 31(e) of the General Conditions shall be deleted in its entirety and replaced by the following:***

***31(e). Forum. The Contracting Officer's decision shall be final unless, within thirty (30) days of receipt of the Contracting Officer's decision, the Contractor files suit in a court of competent jurisdiction.***

If HUD 5370-EZ applies:

***Section 3(d) of the General Conditions shall be deleted in its entirety and replaced by the following:***

***31(d). Forum. The Contracting Officer's decision shall be final unless, within thirty (30) days of receipt of the Contracting Officer's decision, the Contractor files suit in a court of competent jurisdiction.***

If HUD 5370-C applies:

***Section 1 Item 7(d) of the General Conditions shall be deleted in its entirety and replaced by the following:***

***Section 1 Item 7(d). Forum. The Contracting Officer's decision shall be final unless, within thirty (30) days of receipt of the Contracting Officer's decision, the Contractor files suit in a court of competent jurisdiction.***

**HOUSING AUTHORITY OF THE CITY OF PITTSBURGH**

Date: _____ Signature: _____
Contracting Officer

==========

_____
Vendor Name(Insert vendor company name above)

Date: _____ Signature: _____

Title: _____

THE HOUSING AUTHORITY OF THE CITY OF PITTSBURGH

**Family Recreational Area at Northview Heights, AMP-09**

# HACP Contract No. 600-11-26

# WAGE DETERMINATION SCHEDULE

The construction covered by this contract is subject to the requirements of Clause 46 **Labor Standards - Davis-Bacon and Related Acts** of the General Conditions of the Contract for Construction. In accordance with 46 (a)(1) the wage determination of the Secretary of Labor is attached.

"General Decision Number: PA20260002 01/30/2026

Superseded General Decision Number: PA20250002

State: Pennsylvania

Construction Types: Heavy and Highway

Counties: Allegheny, Armstrong, Beaver, Bedford, Blair, Butler, Cambria, Cameron, Centre, Clarion, Clearfield, Clinton, Crawford, Elk, Erie, Fayette, Forest, Franklin, Fulton, Greene, Huntingdon, Indiana, Jefferson, Lawrence, McKean, Mercer, Mifflin, Potter, Somerset, Venango, Warren, Washington and Westmoreland Counties in Pennsylvania.

HEAVY AND HIGHWAY CONSTRUCTION PROJECTS (excluding sewer grouting projects and excluding sewage and water treatment plant projects)

| Modification Number | Publication Date |
|---|---|
| 0 | 01/02/2026 |
| 1 | 01/09/2026 |
| 2 | 01/23/2026 |
| 3 | 01/30/2026 |

BOIL0013-005 01/01/2025

CENTRE, FRANKLIN, POTTER, CLINTON, FULTON, HUNTINDON AND MIFFLIN COUNTIES

| | Rates | Fringes |
|---|---|---|
| BOILERMAKER | $ 55.00 | 35.48 |

---

BOIL0154-004 01/01/2025

ALLEGHENY, ARMSTRONG, BEAVER, BEDFORD, BLAIR, BUTLER, CAMBRIA, CAMERON, CLARION, CLEARFIELD, CRAWFORD, ELK, FAYETTE, FOREST, GREENE, INDIANA, JEFFERSON, LAWRENCE, MCKEAN, MERCER, SOMERSET, VENANGO, WARREN, WASHINGTON AND WESTMORELAND COUNTIES

| | Rates | Fringes |
|---|---|---|
| BOILERMAKER | $ 48.28 | 33.17 |

---

BOIL0744-003 07/01/2008

ERIE COUNTY

| | Rates | Fringes |
|---|---|---|
| BOILERMAKER | $ 35.34 | 18.48 |

---

BRPA0005-033 05/01/2022

MIFFLIN COUNTY

| | Rates | Fringes |
|---|---|---|
| Bricklayer, Stonemason | $ 32.66 | 21.58 |

---

BRPA0005-046 05/03/2020

FRANKLIN COUNTY

| | Rates | Fringes |
|---|---|---|
| Bricklayer, Stonemason | $ 33.99 | 16.87 |

---

BRPA0005-071 05/03/2020

CLINTON COUNTY

| | Rates | Fringes |
|---|---|---|
| BRICKLAYER | $ 34.17 | 17.20 |

---

BRPA0009-004 12/01/2022

BEDFORD, BLAIR,CAMBRIA, CENTRE COUNTY (Halfmoon, Houston, Patton, Rush,Taylor and Worth Townships),FULTON, HUNTINGDON, and SOMERSET COUNTIES

| | Rates | Fringes |
|---|---|---|
| Bricklayer, Stonemason & Marble Setter | $ 34.14 | 22.00 |

---

BRPA0009-006 12/01/2022

CLEARFIELD, FOREST, JEFFERSON, VENANGO, AND CLARION (Except Brady, Madison, Perry, Porter, Redbank, and Toby Townships) COUNTIES

| | Rates | Fringes |
|---|---|---|
| Bricklayer, Stonemason | $ 34.14 | 22.77 |
| Marble mason | $ 34.14 | 22.77 |

---

BRPA0009-023 12/01/2022

BEAVER COUNTY

| | Rates | Fringes |
|---|---|---|
| BRICKLAYER | $ 35.28 | 24.49 |

---

BRPA0009-025 12/01/2022

BUTLER, LAWRENCE, AND MERCER COUNTIES

| | Rates | Fringes |
|---|---|---|
| BRICKLAYER | $ 34.73 | 24.14 |

---

BRPA0009-032 06/01/2017

FAYETTE (Jefferson & Washington Twps), GREENE (Except Cumberland, Dunkirk, Greene, Monongahelia Twps), INDIANA, AND WESTMORELAND (Rostraver Twp) COUNTIES

| | Rates | Fringes |
|---|---|---|

BRICKLAYER.....$ 31.00 20.66

---

BRPA0009-033 12/01/2022

ARMSTRONG, CLARION (Brady, Madison, Perry, Tobe, Porter, Redbank Twps), FAYETTE (Except Jefferson & Washington Twps), GREENE (Cumberland, Dunkirk, Greene, Monongahelia Twps), INDIANA, AND WESTMORELAND (Except Rostrave Twp) COUNTIES

| | Rates | Fringes |
|---|---|---|
| BRICKLAYER..... | $ 36.55 | 24.46 |

---

BRPA0009-034 11/01/2019

ERIE COUNTY

| | Rates | Fringes |
|---|---|---|
| BRICKLAYER..... | $ 28.64 | 21.86 |

---

BRPA0009-058 06/01/2020

ALLEGHENY, WASHINGTON (Cross Creek, Hanover, Jefferson, Mt Pleasant, Nottingham, Peters, Robinson, Smith, Union Twps) COUNTIES

| | Rates | Fringes |
|---|---|---|
| BRICKLAYER..... | $ 34.05 | 22.81 |

---

BRPA0009-059 12/01/2022

CAMERON, ELK, McKEAN, POTTER AND WARREN COUNTIES

| | Rates | Fringes |
|---|---|---|
| BRICKLAYER..... | $ 31.62 | 22.81 |

---

* CARP0274-001 01/01/2026

| | Rates | Fringes |
|---|---|---|
| PILEDRIVERMAN | | |
| Piledriverman (welder)..... | $ 44.63 | 23.42 |
| Piledriverman..... | $ 43.13 | 23.42 |

---

* CARP0274-002 01/01/2026

| | Rates | Fringes |
|---|---|---|
| Diver..... | $ 64.70 | 23.42 |
| Tender..... | $ 43.13 | 23.42 |

---

CARP0443-004 06/01/2024

| | Rates | Fringes |
|---|---|---|
| MILLWRIGHT..... | $ 43.00 | 23.44 |

---

* CARP2274-001 01/01/2026

| | Rates | Fringes |
|---|---|---|
| CARPENTER (ALLEGHENY, ARMSTRONG, BEAVER, BUTLER, ERIE, FAYETTE, GREENE, LAWRENCE, MERCER, WASHINGTON, AND WESTMORELAND COUNTIES) | | |
| Carpenters (Welders) | $ 44.10 | 22.84 |
| Carpenters | $ 42.60 | 22.84 |
| CARPENTER (BEDFORD, BLAIR, CAMBRIA, CAMERON, CENTRE, CLARION, CLINTON, CLEARFIELD, CRAWFORD, ELK, FOREST, FRANKLIN, FULTON, HUNTINGDON, INDIANA, JEFFERSON, MCKEAN, MIFFLIN, POTTER, SOMERSET, VENANGO, AND WARREN COUNTIES) | | |
| Carpenters (Welders) | $ 43.85 | 22.84 |
| Carpenters | $ 42.35 | 22.84 |

---

ELEC0005-006 12/26/2025

ALLEGHENY, ARMSTRONG, BEDFORD, BLAIR, BUTLER CAMBRIA, CAMERON, CENTRE (Remainder), CLARION, CLEARFIELD, ELK, FAYETTE, FULTON, GREENE, HUNTINGDON, INDIANA, JEFFERSON, MCKEAN, SOMERSET, VENANGO, WASHINGTON, AND WESTMORELAND COUNTIES

| | Rates | Fringes |
|---|---|---|
| ELECTRICIAN | $ 49.11 | 36.79 |

---

ELEC0056-004 06/01/2025

ERIE, FOREST AND WARREN COUNTIES

| | Rates | Fringes |
|---|---|---|
| ELECTRICIAN | $ 43.25 | 26.56 |

---

ELEC0126-005 06/03/2024

ALLEGHENY, ARMSTRONG, BEAVER, BEDFORD, BLAIR, CAMBRIA, CENTRE, CLARION, CLEARFIELD, FAYETTE, FULTON, GREENE, HUNTINGDON, INDIANA, JEFFERSON, SOMERSET, WASHINGTON AND WESTMORELAND

| | Rates | Fringes |
|---|---|---|
| Line Construction: | | |
| Cable Splicer | $ 54.38 | 34.25%+11.50 |
| Groundman | $ 32.63 | 34.25%+11.50 |
| Lineman | $ 54.38 | 34.25%+11.50 |
| Truck Driver | $ 35.35 | 34.25%+11.50 |
| Winch Truck Operator | $ 38.07 | 34.25%+11.50 |

---

ELEC0126-007 06/03/2024

FRANKLIN AND MIFFLIN COUNTIES

| | Rates | Fringes |
|---|---|---|
| Line Construction: | | |
| Cable Splicer | $ 53.20 | 34.25%+11.50 |
| Groundman | $ 31.92 | 34.25%+11.50 |

Lineman.....$ 53.20 34.25%+11.50
Truck Driver.....$ 34.58 34.25%+11.50
Winch Truck Operator.....$ 37.24 34.25%+11.50

---

ELEC0143-007 06/01/2025

FRANKLIN and MIFFLIN COUNTIES

| | Rates | Fringes |
|---|---|---|
| ELECTRICIAN | $ 40.00 | 27.42 |

---

ELEC0712-003 12/29/2025

CRAWFORD, BEAVER, LAWRENCE AND MERCER COUNTIES

| | Rates | Fringes |
|---|---|---|
| ELECTRICIAN | $ 51.45 | 29.77 |

---

ELEC0812-008 06/01/2025

CLINTON COUNTY

| | Rates | Fringes |
|---|---|---|
| ELECTRICIAN | $ 40.47 | 26.51 |

---

ELEC0812-009 06/01/2025

POTTER COUNTY

| | Rates | Fringes |
|---|---|---|
| ELECTRICIAN | $ 41.48 | 26.54 |

---

ELEC0812-011 06/01/2025

CENTRE COUNTY (Burnside, Curtin, Liberty, Howard, Marion, Walker, Miles, Haines Townships)

| | Rates | Fringes |
|---|---|---|
| ELECTRICIAN | $ 40.47 | 26.51 |

---

ELEC1319-004 09/01/2025

BUTLER, CAMERON, CLINTON, CRAWFORD, ELK, ERIE, FOREST, LAWRENCE, MCKEAN, MERCER, VENANGO, WARREN AND POTTER COUNTIES

| | Rates | Fringes |
|---|---|---|
| Line Construction: | | |
| Equipment Operator | $ 68.06 | 31.43 |
| Groundmen | $ 42.20 | 16.02 |
| Linemen | $ 68.06 | 31.43 |
| Truck Driver | $ 44.24 | 16.21 |

---

* ENGI0066-016 01/01/2026

| | Rates | Fringes |
|---|---|---|
| Power equipment operators: | | |

(ALLEGHENY, ARMSTRONG,
BEAVER, BLAIR, BUTLER,
CAMBRIA, CENTRE, CLARION,
CLEARFIELD, CRAWFORD, ERIE,
ELK, FAYETTE, GREENE,
INDIANA, JEFFERSON, LAWRENCE,
MCKEAN, MERCER, SOMERSET,
VENANGO, WARREN, WASHINGTON,
AND WESTMORELAND COUNTIES)

| | | |
|---|---|---|
| GROUP 1 | $ 41.96 | 24.66 |
| GROUP 1-A | $ 44.96 | 24.66 |
| GROUP 1-B | $ 43.96 | 24.66 |
| GROUP 2 | $ 41.70 | 24.66 |
| GROUP 3 | $ 38.05 | 24.66 |
| GROUP 4 | $ 37.59 | 24.66 |
| GROUP 5 | $ 37.34 | 24.66 |

Power equipment operators:
(BEDFORD, CAMERON, CLINTON,
FOREST, FRANKLIN, FULTON,
HUNTINGDON, MIFFLIN, AND
POTTER COUNTIES)

| | | |
|---|---|---|
| GROUP 1 | $ 41.67 | 24.66 |
| GROUP 1-A | $ 44.67 | 24.66 |
| GROUP 1-B | $ 43.67 | 24.66 |
| GROUP 2 | $ 41.39 | 24.66 |
| GROUP 3 | $ 37.75 | 24.66 |
| GROUP 4 | $ 37.26 | 24.66 |
| GROUP 5 | $ 37.05 | 24.66 |

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1 - Asphalt Paving Machine (Spreader), Autograde (C.M.I. and similar); Backfiller, Compactor with Blade, Backhoe - 360 and 180 degree Swing; Cableway; Caisson Drill (similar to Hugh Williams), Central Mix Plant; Cooling Plant; Concrete Paving Mixer, Concrete Pump (self-propelled); Cranes; Cranes (boom or mast over 101ft.$.50 per each additional 50 feet inclusive of jib), Cranes (Tower Stationary- Climbing Tower Crane); Derrick; Derrick Boat; Dozer(greater than 25,000 lbs.); Dragline; Dredge; Dredge Hydraulic; Elevating Grader; Franki Pile Machine; Gradall (remote control or otherwise),Grader (power-fine grade); Hllift (4 cy. and over); Hoist 2 Drums or more (in one unit); Hydraulic Boom Truck with pivotal cab (single motor-Pitman or similar),Hydraulic Boom Truck (non pivotal cab); Hydro-pneumatic Excavation Equipment (or similar); (Boom and Mast over 101 feet will be paid an additional 50 feet inclusive of jib if used;) Kocal; Mechanic, Locomotive (std. Gauge); Metro-chip Harvester or similar; Milling Machine (Roto Mill or similar); Mix Mobile; Mix Mobile (with Self Loading Attachment), Mucking Machine (tunnel); Pile Driver Machine; Pipe Extrusion Machine; Prespliter Drill (self contained); Refrigeration Plant (soil Stablization) Rough Terrain Crane (25 ton over) (Boom and Mast over 101 feet will be paid an additional 50 feet inclusive of jib if used); Rough Terrain Crane (under 25 ton), Scrapers; Shovel-Power; Slip form Paver (C.M.I. and similar); Trenching Machine (30,000 lbs. and over), Trenching Machine (under 30,000 lb.), Tunnell Machine (Mark XXI Jarva or similar), Vermeer Saw, Whirley, Mechanic, Compactor with blade

GROUP 1-A Backhoes-360 degree swing (above 120,000 lbs. gross weight); Cranes (over 100 tons), Cranes-Rough Terrain (over 100 ton); Tug Boat Pilot (on boats over 800 horsepower)

GROUP 1-B Backhoes-360 degree swing (above 70,000 lbs. to 120,000 lbs. gross weight); Cranes (up to 100 ton), Cranes-Rough Terrain (65 ton-100 ton), Tower Crane

GROUP 2: Asphalt plant operator; auger (tractor mtd.); auger (truck mtd.); belt loader (euclid or similar); boring machine; cable placer or layer; Directional drill over 3,000 lbs thrust; concrete batch plant (electronically synchronized); concrete belt placer (C.M.I. and similar); concrete finishing machine and spreader, concrete mixer (over 1 cy.) concrete pump (stationary); core drill (truck or skid mtd. - similar to penn drill), dozer (25,000 lbs or less); Ditch Witch Saw, force feedloader; fork lift (lull or similar); grader - power; grease unit opertor (head); guard rail post driver (truck mounted) guard rail post driver (skid type); hilift (under 4 cy.); skid steer loader; hydraulic boom truck (non-pivotal cab); job work boat (powered), jumbo operator; locomotive (narrow guage); minor equipment operator (accumulative four units); mucking machine; multi-head saw (groover); overhead crane; roller -power- asphalt; ross carrier; side boom or tractor mounted boom; shuttle buggy (asphalt), stone crusher (screening-washing plants); stone spreader (self propelled) truck mounted drill (davey or similar); welder and repairman; well point pump operator; bidwell concrete finishing machine (or similar).

GROUP 3: Broom Finisher (C.M.I. or similar); Compactors/Rollers (static or vibratory (Self-propelled) on dirt or stone; Curb Builder; Minor Equipment Opertor (two or three units); Multi-head Tie Tamper; Pavement Breaker (self-propelled or ridden); Soil Stablizer Machine; Tire Repairman; Tractor (snaking and hauling); Well Driller and Horizontal: Winch or ""A"" Frame Truck (when hoisting and lowering).

GROUP 4: Ballast Regulator; Compressor; Concrete Mixer (1 cy. & under with skip); Concrete Saw (Ridden or selp-propelled); Conveyor; Elevator (Material hauling only); Fork-lift (Ridden or self-propelled); Form Line Machine; Generator; Groute Pump; Heater (Machinical); Hoist (single Drum); Ladavator, Light Plant; Mulching Machine; Personnel Boat (Powered), Pulverizer, Pumps, Seeding Machine, spray Cure Machine (powered Driven); Subgrader; Tie Puller; Tugger; Welding Machine (Gas or Diesel).

GROUP 5: Deck Hand; Farm Tractor; Fireman on Boiler; Oiler; Power Broom; Side Delivery Shoulder Spreader (attachment);

---

IRON0003-001 06/01/2023

ALLEGHENY, FAYETTE, WESTMORELAND, CAMBRIA, INDIANA, ARMSTRONG, BUTLER, BEAVER, CLARION, AND WASHINGTON COUNTIES

| | Rates | Fringes |
|---|---|---|
| IRONWORKER | $ 38.89 | 34.54 |

---

IRON0003-007 06/01/2023

BLAIR, CAMERON, CENTRE, CLEARFIELD, CLINTON, ELK, JEFFERSON, MCKEAN, AND POTTER COUNTIES

| | Rates | Fringes |
|---|---|---|
| IRONWORKER | $ 32.29 | 32.41 |

IRON0003-011 06/01/2023

CRAWFORD, ERIE, FOREST, AND WARREN COUNTIES

| | Rates | Fringes |
|---|---|---|
| IRONWORKER | $ 33.57 | 32.23 |

IRON0207-002 06/01/2025

LAWRENCE, MERCER, AND VENANGO COUNTIES

| | Rates | Fringes |
|---|---|---|
| IRONWORKER | $ 36.26 | 28.16 |

IRON0404-008 07/01/2024

FRANKLIN (Remainder), HUNTINGDON (Remainder), AND MIFFLIN COUNTIES

| | Rates | Fringes |
|---|---|---|
| IRONWORKER, STRUCTURAL | $ 37.26 | 32.63 |

IRON0549-002 12/01/2022

GREENE COUNTY

| | Rates | Fringes |
|---|---|---|
| IRONWORKER | $ 35.19 | 25.66 |

IRON0568-004 05/01/2025

BEDFORD, FRANKLIN (Southwest 1/3), FULTON, HUNTINGDON (Western 2/3), AND SOMERSET COUNTIES

| | Rates | Fringes |
|---|---|---|
| IRONWORKER | | |
| Structural, Ornamental, Reinforcing, Machinery Mover, Rigger & Machinery Erector, Welder, Fence Erector | $ 31.65 | 24.50 |

* LABO1058-001 01/01/2026

| | Rates | Fringes |
|---|---|---|
| LABORER (BEDFORD, CAMERON, CENTRE, CLINTON, CRAWFORD, FOREST, FRANKLIN, FULTON, HUNTINGDON, JEFFERSON, MIFFLIN, AND POTTER COUNTIES) | | |
| GROUP 1 | $ 34.60 | 27.00 |

| | | |
|---|---|---|
| GROUP 2 | $ 34.76 | 27.00 |
| GROUP 3 | $ 35.25 | 27.00 |
| GROUP 4 | $ 35.70 | 27.00 |
| GROUP 5 | $ 36.11 | 27.00 |
| GROUP 6 | $ 32.95 | 27.00 |
| GROUP 7 | $ 34.60 | 26.00 |
| GROUP 8 | $ 36.10 | 26.00 |

Laborers: (ALLEGHENY, ARMSTRONG, BEAVER, BLAIR, BUTLER, CAMBRIA, CLARION, CLEARFIELD, ELK, ERIE, FAYETTE, GREENE, INDIANA, LAWRENCE, MCKEAN, MERCER, SOMERSET, VENANGO, WARREN, WASHINGTON, AND WESTMORELAND COUNTIES)

| | | |
|---|---|---|
| GROUP 1 | $ 34.70 | 27.00 |
| GROUP 2 | $ 34.86 | 27.00 |
| GROUP 3 | $ 35.25 | 27.00 |
| GROUP 4 | $ 35.70 | 27.00 |
| GROUP 5 | $ 36.11 | 27.00 |
| GROUP 6 | $ 32.95 | 27.00 |
| GROUP 7 | $ 34.70 | 26.00 |
| GROUP 8 | $ 36.20 | 26.00 |

LABORERS CLASSIFICATIONS

GROUP 1: Asphalt curb sealer; Asphalt tamper; Batcherman (weigh) Blaster,Boatman, Brakeman, Change house attendant, Coffer dam, Concrete curing pitman, Puddler, Drill Runner's helper (Includes Drill Mounted on Truck, Track, or similar and Davey Drill Spots, Clean up, helps to maintain), Electric Brush and or Grinder, Fence Construction (Including Fence Machine Operator) Form stripper and Mover, Gabion (Erectors and Placers) Hydro jet blaster nozzleman; Landscape laborer, Manually moved emulusion sprayer, Radio actuated traffic control operator Rip rap work, scaffolds and Runways, Sheeters and Shorers (includes lagging) structural concrete Top Surfacer, Walk Behind Street Sweeper, and Wood Chipper; water boy

GROUP 2: Air tool operator (all types); Asphalt, batch & concrete plant operator (manually operated) Burner, Caisson; men (open air); Carryable pumps; Chain saw operator including attachments, Cribbing, (concrete or steel); Curb machine operator (asphalt or concrete walk behind); Diamond head Core Drller, Drill runner's helper (tunnel) Fork Lift, (walk behind), Form Setter (Road Forms Line man) Highway Slab reinforcement placers (including joint and Basket Setters) Hydraulic pipe pusher; Liner plates (Tile or Vitrified Clay) Mechanical compacting equipment operators, Mechanical joint sealer, Dope pot and Tar Kettle, Mortar mixer (hand or machine) Muckers, Brakemen & all other Labor, (Includes installation of utility lines) Pipe Layers /Fusion /Heating Iron (Regardless of materials) Portable Single Unit Conveyor, Post Hole Auger, (2 or 4 cycle hand operated) Power wheelbarrows and buggies, Rail porter or similar; Sand blaster;Signal Man,Vibrator operator, All RAILROAD TRACK WORK TO INCLUDE THE FOLLOWING: adzing machine, ballast Router, Bolting Machine, Power Jacks, Rail Drills, Railroad Brakeman,Rail Saws, Spike Drivers (Manually or hand held tool) Spike Pullers Tamping Machine, Thermitweld

GROUP 3: Asphalt Luteman/Raker,Blacksmith, Blaster, Brick,

stone and block pavers and block cutters (wood, belgian and asphalt); Cement mortar lining car pusher; Cement mortar mixer (pipe relining); Cement mortar pipe reliners; concrete saw operator (walk behind); Curb cutters and setters; Elevated roadway drainage construction; erector of overhead signs, Form setter (road forms-lead man); Grout machine operator; Gunite or dry pack gun (nozzle and machine man); Manhole or catch basin builder (Brick block concrete or any prefabrication) Miners and drillers (including lining, supporting and form workmen, setting of shields, miscellaneous equipment and jumbos); Multi-plate pipe (aligning and securing); Placing wire mesh on gunite projects; Wagon drill operators (air track or similar); Walk behind ditching machine (trencher or similar);crown screed adjuster and welder

GROUP 4: Reinforcing Steel Placer (Bending, aligning, and securing, Cadweld)

GROUP 5:High Burner, (Any burning not done from deck), Welder (Pipeline)

GROUP 6: Uniformed Flagperson, Watchman

GROUP 7: Toxic/Hazardous Waste Removal Laborer Levels C & D

GROUP 8: Toxic/Hazardous Waste Removal Laborer Levels A & B

---

PAIN0021-019 05/01/2021

CLINTON COUNTY

| | Rates | Fringes |
|---|---|---|
| Painters: | | |
| Bridge | $ 36.67 | 18.80 |
| Brush & Roller | $ 29.02 | 21.14 |
| Spray | $ 30.02 | 21.14 |

---

PAIN0021-024 05/01/2021

FRANKLIN COUNTY

| | Rates | Fringes |
|---|---|---|
| PAINTER | | |
| Brush | $ 25.84 | 16.30 |

---

PAIN0057-014 06/01/2023

ALLEGHENY, FAYETTE, GREENE, WASHINGTON COUNTIES

| | Rates | Fringes |
|---|---|---|
| Painters: | | |
| Bridge | $ 38.33 | 23.72 |
| Brush & Roller | $ 30.56 | 23.72 |
| Spray | $ 30.56 | 23.72 |

---

PAIN0057-015 06/01/2023

ARMSTRONG, BEAVER, BEDFORD, BLAIR, BUTLER,CAMBRIA, CENTRE, CLARION, CLEARFIELD, ELK, FULTON, HUNTINGTON, INDIANA, JEFFERSON, LAWRENCE, MERCER, MIFFLIN, SOMERSET, VENANGO AND

WESTMORELAND COUNTIES

| | Rates | Fringes |
|---|---|---|
| Painters: | | |
| Bridge | $ 38.33 | 23.72 |
| Brush and Roller | $ 30.56 | 23.72 |
| Spray | $ 30.56 | 23.72 |

---

PAIN0057-022 05/01/2024

| | Rates | Fringes |
|---|---|---|
| Painters: (ERIE, McKEAN, AND WARREN (Including Columbus and Freehold twps) COUNTIES) | | |
| Bridges,Stacks,Towers | $ 28.87 | 24.89 |
| Brush and Roller | $ 26.37 | 24.89 |
| Spray and Sandblasting | $ 27.12 | 24.89 |

---

PAIN0057-027 06/01/2023

CAMERON, CRAWFORD, POTTER, WARREN, (Excluding Columbus and Freehold twps)

| | Rates | Fringes |
|---|---|---|
| PAINTER | | |
| Brush and Roller | $ 30.56 | 23.72 |

---

* PLAS0526-002 01/01/2026

| | Rates | Fringes |
|---|---|---|
| CEMENT MASON/CONCRETE FINISHER | $ 37.44 | 28.00 |

---

PLUM0027-001 06/01/2023

ALLEGHENY, ARMSTRONG, BEAVER, BUTLER, CLARION, GREENE (Except extreme Eastern portion), LAWRENCE, WASHINGTON (Except extreme Eastern portion) and WESTMORELAND (City of Arnold and City of New Kensington Only) COUNTIES

| | Rates | Fringes |
|---|---|---|
| Plumbers and Pipefitters (Bridge Drain Pipe) | $ 48.65 | 25.47 |

---

PLUM0027-009 06/01/2023

CRAWFORD, ERIE, FOREST, MCKEAN, MERCER, VENANGO and WARREN COUNTIES

| | Rates | Fringes |
|---|---|---|
| Plumbers and Pipefitters (Bridge Drain Pipe) | $ 46.98 | 25.47 |

---

PLUM0354-005 06/01/2012

BEDFORD, BLAIR, CAMBRIA, CAMERON, CLEARFIELD, ELK, FAYETTE,

GREENE (Extreme Eastern portion), HUNTINGDON, INDIANA, JEFFERSON, SOMERSE, WASHINGTON (Extreme Eastern portion), AND WESTMORELAND COUNTIES

| | Rates | Fringes |
|---|---|---|
| Plumbers and Pipefitters (Bridge Drain Pipe) | $ 35.54 | 19.97 |

---

TEAM0040-006 01/01/2026

| | Rates | Fringes |
|---|---|---|
| TRUCK DRIVER (ALLEGHENY, ARMSTRONG, BEAVER, BLAIR, BUTLER, CAMBRIA, CENTRE, CLARFIELD, CRAWFORD, ERIE, FAYETTE, GREENE, INDIANA, JEFFERSON, LAWRENCE, MCKEAN, MERCER, SOMERSET, VENANGO, WARREN, WASHINGTON, AND WESTMORELAND) | | |
| GROUP 1 | $ 37.93 | 23.71 |
| GROUP 2 | $ 38.39 | 24.02 |
| Truck drivers: (BEDFORD, CAMERON, CLAIRON, CLINTON, ELK, FOREST, FRANKLIN, FULTON, HUNTINGDON, MIFFLIN, AND POTTER COUNTIES) | | |
| GROUP 1 | $ 37.79 | 23.63 |
| GROUP 2 | $ 38.25 | 23.93 |

FOOTNOTES: A. Hazardous/toxic waste material/work level A & B receive additional $2.50 per hour above classification rate

B. Hazardous/toxic waste materials/Work level C & D receive $1.00 per hour above classification

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1 - Single Axle (2 axles including steering axle); Includes partsman and warehoueman. Tandem - Tri-Axle - Semi-Tractor Trailer (combination) (3 axles or more including steering axle)

GROUP 2 - Specialty Vehicles; Heavy equipment whose capacity exceeds that for which state licenses are issued specifically refers to units in excess of eight (8) feet width (such as Euclids, Atley Wagon, Payloder, Tournawagons, and similar equipment when not self loaded); Tar and Asphalt Distributors Trucks, Heavy Duty Trailer, such as Low Boy, High Boy

---

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

==========

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any

solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at https://www.dol.gov/agencies/whd/government-contracts.

Note: Executive Order 13658 generally applies to contracts subject to the Davis-Bacon Act that were awarded on or between January 1, 2015 and January 29, 2022, and that have not been renewed or extended on or after January 30, 2022. Executive Order 13658 does not apply to contracts subject only to the Davis-Bacon Related Acts regardless of when they were awarded. If a contract is subject to Executive Order 13658, the contractor must pay all covered workers at least $13.30 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2025. The applicable Executive Order minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under Executive Order 13658 is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (iii)).

---

The body of each wage determination lists the classifications and wage rates that have been found to be prevailing for the type(s) of construction and geographic area covered by the wage determination. The classifications are listed in alphabetical order under rate identifiers indicating whether the particular rate is a union rate (current union negotiated rate), a survey rate, a weighted union average rate, a state adopted rate, or a supplemental classification rate.

Union Rate Identifiers

A four-letter identifier beginning with characters other than ""SU"", ""UAVG"", ?SA?, or ?SC? denotes that a union rate was prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2024. PLUM is an identifier of the union whose collectively bargained rate prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2024 in the example, is the effective date of the most current negotiated rate.

Union prevailing wage rates are updated to reflect all changes

over time that are reported to WHD in the rates in the collective bargaining agreement (CBA) governing the classification.

Union Average Rate Identifiers

The UAVG identifier indicates that no single rate prevailed for those classifications, but that 100% of the data reported for the classifications reflected union rates. EXAMPLE: UAVG-OH-0010 01/01/2024. UAVG indicates that the rate is a weighted union average rate. OH indicates the State of Ohio. The next number, 0010 in the example, is an internal number used in producing the wage determination. The date, 01/01/2024 in the example, indicates the date the wage determination was updated to reflect the most current union average rate.

A UAVG rate will be updated once a year, usually in January, to reflect a weighted average of the current rates in the collective bargaining agreements on which the rate is based.

Survey Rate Identifiers

The ""SU"" identifier indicates that either a single non-union rate prevailed (as defined in 29 CFR 1.2) for this classification in the survey or that the rate was derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As a weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SUFL2022-007 6/27/2024. SU indicates the rate is a single non-union prevailing rate or a weighted average of survey data for that classification. FL indicates the State of Florida. 2022 is the year of the survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 6/27/2024 in the example, indicates the survey completion date for the classifications and rates under that identifier.

?SU? wage rates typically remain in effect until a new survey is conducted. However, the Wage and Hour Division (WHD) has the discretion to update such rates under 29 CFR 1.6(c)(1).

State Adopted Rate Identifiers

The ""SA"" identifier indicates that the classifications and prevailing wage rates set by a state (or local) government were adopted under 29 C.F.R 1.3(g)-(h). Example: SAME2023-007 01/03/2024. SA reflects that the rates are state adopted. ME refers to the State of Maine. 2023 is the year during which the state completed the survey on which the listed classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 01/03/2024 in the example, reflects the date on which the classifications and rates under the ?SA? identifier took effect under state law in the state from which the rates were adopted.

---

WAGE DETERMINATION APPEALS PROCESS

1) Has there been an initial decision in the matter? This can be:

a) a survey underlying a wage determination

b) an existing published wage determination
c) an initial WHD letter setting forth a position on a wage determination matter
d) an initial conformance (additional classification and rate) determination

On survey related matters, initial contact, including requests for summaries of surveys, should be directed to the WHD Branch of Wage Surveys. Requests can be submitted via email to davisbaconinfo@dol.gov or by mail to:

Branch of Wage Surveys
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

Regarding any other wage determination matter such as conformance decisions, requests for initial decisions should be directed to the WHD Branch of Construction Wage Determinations. Requests can be submitted via email to BCWD-Office@dol.gov or by mail to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2) If an initial decision has been issued, then any interested party (those affected by the action) that disagrees with the decision can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Requests for review and reconsideration can be submitted via email to dba.reconsideration@dol.gov or by mail to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210.

==========

END OF GENERAL DECISION"

# PART 4: TECHNICAL SPECIFICATIONS AND DRAWINGS

**Family Recreational Area at Northview Heights, AMP-09**

# IFB CONTRACT NO. 600-11-26

# NVH Family Recreational Area – Prime Contractor SOW

The following information provides a general overview of the scope of work by prime division. While intended for reference, this summary is not exhaustive; bidders must refer to the technical drawings and specifications for complete details. In the event of a conflict, the **technical drawings and specifications shall prevail**.

**Note:** Splash Pad and Playground components are being procured separately by HACP. However, the comprehensive installation of these components is included in this scope of work and remains the responsibility of the contractor.

**GENERAL CONSTRUCTION**

- Overall Construction Schedule and coordination with other prime contractors Permits
  - Land Operations Permit
  - Building Permit
  - Allegheny County Conservation District (ACCD) Erosion & Sedimentation Permit
- Site demolition
- Earthwork
  - Grading (Rough and Final)
  - Erosion & Sedimentation Controls (including E & S Maintenance and Close-out)
- Splash Park Restroom
  - Continuous Wall Footings (including Reinforcing)
  - Masonry Foundation Walls (including Reinforcing)
  - Foundation Drainage
  - Concrete Slab On Grade (including Reinforcing/Expansion Joints))
  - Exterior/Interior Masonry (Walls/Glass Block)
  - Structural/Interior Framing
  - Roofing (including boots/Curbs as required) / Gutters & Downspouts/Clean-outs
  - Drywall
    - Wall Finishes (Drywall Finish/Painting/Glazed Tile)
    - Ceiling Finishes (Drywall Finish/Painting)
    - Painting & Coatings
  - Floor Finishes/Sealing
  - Toilet Partitions (including ADA/UFAS)
  - Toilet Accessories (including ADA/UFAS)
  - Doors and Hardware (including ADA/UFAS)
  - ADA/UFAS Signage (Splash Park Restroom/Accessible Route)
- Caulking and Sealants
- Site Civil
  - Concrete (including expansion joints/sealants)
    - Concrete Sidewalks/Ramps
    - Concrete Play Equipment Footings/Fill
    - Subgrade Splash Park/Playground Area (Lean Concrete? Gravel?)
    - ADA/UFAS Parking (The International Symbol of Access (ISA) Painting/Signage)
- Site Landscaping (Irrigation/Seeding/Topsoil/Plants/Shrubs/Fencing/Handrails)

# NVH Family Recreational Area – Prime Contractor SOW

**PLUMBING CONSTRUCTION**

- Coordination of activities and Construction Schedule input
- Allegheny County Health Dept. Plumbing Permit
- Storm Water Management System (Detention Tank)
- Splash Park drainage
- Water service entry/Backflow Preventer/Curb box/Shut-off)
    - Splash Park Restroom
- Exterior Sanitary pipe
- Plumbing Rough-in Piping (DWV)
- Domestic Water Piping
    - Valves
    - Hammer Arrestors (If required)
    - Back Flow Preventers
    - Check valves
    - Pipe Insulation
- Electric water heater
- Plumbing Fixtures

**ELECTRICAL CONSTRUCTION**

- Coordination of activities and Construction Schedule input
- City of Pgh. PLI Electric Permit
- Secondary Service to Splash Park Restroom
- Site Lighting (Poles/Fixtures/Wiring)
- Cameras/Wiring
- Splash Park Restroom
    - Interior Wiring/Conduit
    - Panel Box/Breakers
    - Switches/Devices/Lighting
- Provide power to other prime contractors for their equipment
- Provide power for Splash Park controllers, activators, and water distribution manifold (if required)

**MECHANICAL (HVAC) CONSTRUCTION**

- Coordination of activities and Construction Schedule input
- City of Pgh. PLI Mechanical Permit
- Splash Park Restroom
    - Ductwork
    - Exhaust Fans
    - Registers/Grilles

**Building Code Summary - Commercial**

**Code:** 2018 International Commercial Building Code(IBC), New Construction
**Construction Type:** V
**Occupancy Classification :** Group U, Utility Building for function. This is not addressed in the 2018 IBC.
**Occupancy Load Capacity:** This is a miscellaneous structure and is not addressed in the 2018 IBC. Under Section 1004.5, Exception: Where approved by the fire code official, the actual number of occupants for whom each occupied space, floor or building is designed, although less than those determined by calculation, shall be permitted to be used in the determination of the design occupant load. The restrooms designs have been reviewed by the Allegheny Department of Health, Department of Plumbing and advised on fixture counts.

*Women's restroom (167 sq. ft.) - two toilets and two lavatories (4 to 15 people)*
*Men's restroom (166.5 sq. ft.) – one toilet, one urinal and two laboratories.(4 to15 people)*
*Mechanical and Janitorial rooms are 64.5 sq ft total. (2mechanical + 1 janitorial)*

**Means of Egress Sizing:** **Section 1005.3.2 Other Egress Components,** entrance doors are 3'-0" clear width exit. capacity of 180 people (36" door/0.2 " per area served = 180), The egress exits capacity. provided exceeds the required exit capacity and meets code requirements.

**1603.1 General.**
Construction documents show the size section a relative location of structural remembrance with floor levels column centers and offsets dimension the design loads and other information pertaining to structural design required by section 1603.1.1 and160.3.9 should be indicated on the construction documents.

**1603.2 Roof Live Load.**
The roof live load used in this design shall be indicated for roof areas section 1607.13 (Refer to General Notes S1.0)

**1603.1.3 Roof Snow Load Data.**
The ground snow load *Pg* shall we indicated in the areas where the ground snow loads *Pg* exceeds 10 lbs. per square foot. (Refer to General Notes S1.0)

**1604.1 General.**
Building structures and parts thereof shall be designed and constructed in accordance with strength design load and resistance factor designed, allowable stress design, empirical design, or conventional construction methods, as for permit permitted by applicable material chapters and reference standard.

**We are building a new one-story public restroom:** for the City of Pittsburgh Housing Authority, project located at North View Heights community, 525 Mt Pleasant Road, Pittsburgh, PA 15214 The new public restroom will be in the Family Recreational Area.

**Site Items**
Parcel ID: City of Pittsburgh: 0077-D-00046-0000-00, 1306 Chicago St, Pittsburgh, PA 15214
Address: 525 Mt Pleasant Road, Pittsburgh, PA 15214 (Housing Authority of City of Pittsburgh's address)
Land disturbance: 648 square feet of Parcel ID with 84.5270 acres.

**Accessible evaluation:** Pathway to restrooms and recreations area with signage: Applied to drawings.
**2021 IBC Chapter 11 & [ 2009 ICC A117.1** Accessible and Usable Buildings & Facilities ].
- Accessible Routes: [1104.1 Site arrival points. 1112.1 Signs Required by Section 1106.2. [ 404 ].
- Parking with painted marking and signage: 1106.1 General. 1112.1 Signs Required by Section 1106.2.
- Public Restroom: 1112.2 Signs identifying toilet or bathing rooms [ Section 403-403.4 IPC ].
- 308 Reach Range: Recreational Area - Table and seating: 308.2 Forward Reach
- 307.4 Vertical Clearance. The vertical clearance shall be 80 inches.
- Recreational Area - Hi/Low drinking fountains: Chapter 6 S602.1 – S602.6
- Playground equipment – dry and wet: 1111.4.13 Play Area. [ 402.2 Components ].

**Structure:** Public Restroom: Concrete block structure with wood trusses and metal roof.
**Structure:** Recreational Area: Concrete walk, stairs & splash pad.

**Restroom: Seasonal –** No Heating or conditioned space. The building is locked and not used in the winter. It is a low energy building and is exempted from the building thermal envelope requirements.
- Utilities: Electricity, water, and ventilation. No Heating or conditioned space, "seasonal."
- Energy Compliance: 2018 IECC C401.2. **Low energy Building:** 2018 C402.2.1 [ Zone 5A value 13 ]
- COMcheck - electrical energy requirements - submitted. The electrical energy requirements for lighting would be required to comply under the electrical permit application.

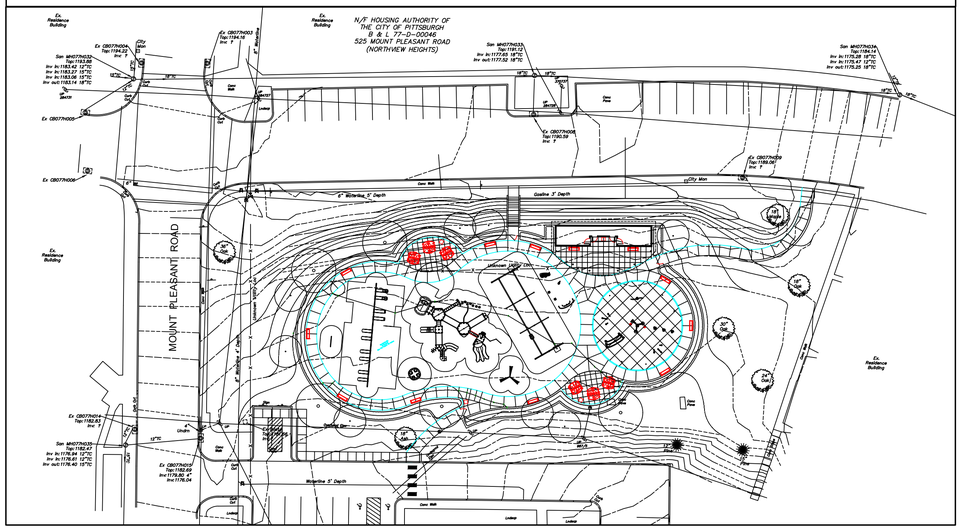
**Zoning permit:** DCP-ZDR-2023-02057 was submitted and approved.

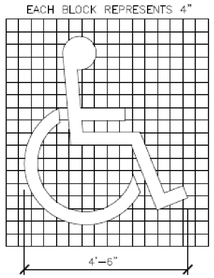
**Property Information:**
Project Type: New construction of North View Heights - Family Recreation Area Restroom
Owners: Housing Authority City of Pittsburgh.
Site Address: 525 Mt Pleasant Road, Pittsburgh, PA 15214
Parcel ID - City of Pittsburgh: 0077-D-00046-0000-00
Zoning District: R1D-L
Allegheny County Record of deeds:
Area within the City of Pittsburgh = acres 84.5270
Total area of Parcel 1 = 84.5270 acres
Setbacks: Front 30 feet, Rear 30 feet,
Exterior Side yard 30 feet, Interior side yard 5 feet
Total Lot square footage: = 5,000 sq. ft.
Current Use Classification: Single Unit Detached Residential District.
Lot and Block: 0077D00046000000
Municipality : 126 26th Ward – PITTSBURGH

**Applicable Codes: Building:** 2018 International Building Code
**Mechanical:** 2018 International Mechanical Code
**Plumbing:** 2018 International Plumbing Code
**Electrical:** 2017 International Electrical Code
**Fire Safety:** 2018 International Fire Safety Code
**Energy Code:** 2018 International Energy Conservation Code
**Accessibility:** 2021 IBC International Building Code
- 2018 International Accessibility Guidelines CH – 11-
- 2009 ICC A117.1 Accessible and Usable Buildings & Facilities

# NVH Family Recreational Area

## 525 Mt Pleasent, Pittsburgh, PA 15214


N/F HOUSING AUTHORITY OF THE CITY OF PITTSBURGH
B & L 77-D-00046
525 MOUNT PLEASANT ROAD
(NORTHVIEW HEIGHTS)
MOUNT PLEASANT ROAD
Ex. Residence Building
Ex. Residence Building
Ex. Residence Building
Ex. Residence Building
Curb Cut
Curb Cut
Curb Cut




NOTES:

1. PAINT MARKING TO BE 4" WIDE. (COLOR – WHITE) SYMBOL TO BE CENTERED IN PARKING SPACE.
2. PROVIDE TYPE 1 – CONVENTIONAL TRAFFIC PAINT (COLOR – WHITE) AND DISPENSE IN A WET-FILM THICKNESS OF 15 MILS ± 1 MIL IN ACCORDANCE WITH PENNDOT PUBLICATION 408, SECTION 962, LATEST EDITION. PAINT SHALL BE PENNDOT APPROVED.
3. NEATLY APPLY PAVEMENT PAINT MARKINGS AT LOCATIONS INDICATED WITH NO OVERSPRAY. USE TEMPLATES AS REQUIRED.

## Handicap Symbol Paint Marking

SCALE: NTS

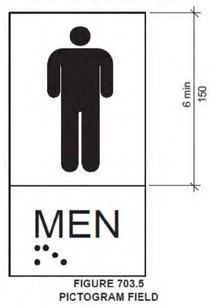



FIGURE 703.5
PICTOGRAM FIELD

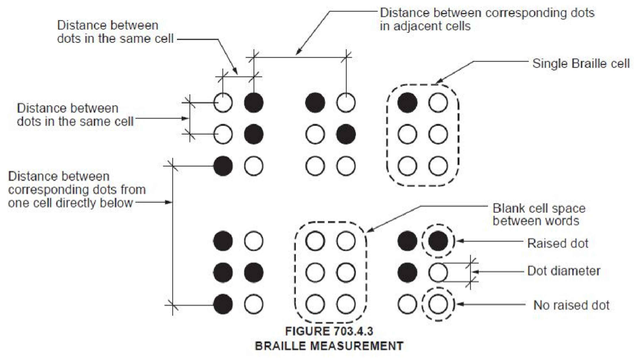



FIGURE 703.4.3
BRAILLE MEASUREMENT

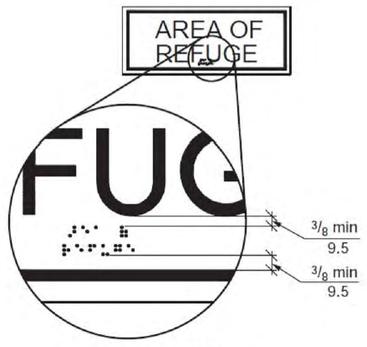
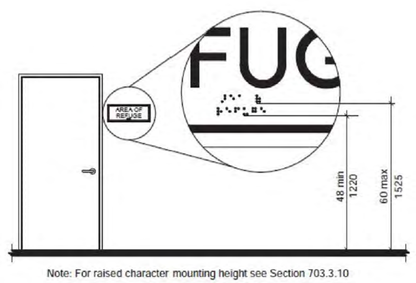



FIGURE 703.4.4
POSITION OF BRAILLE

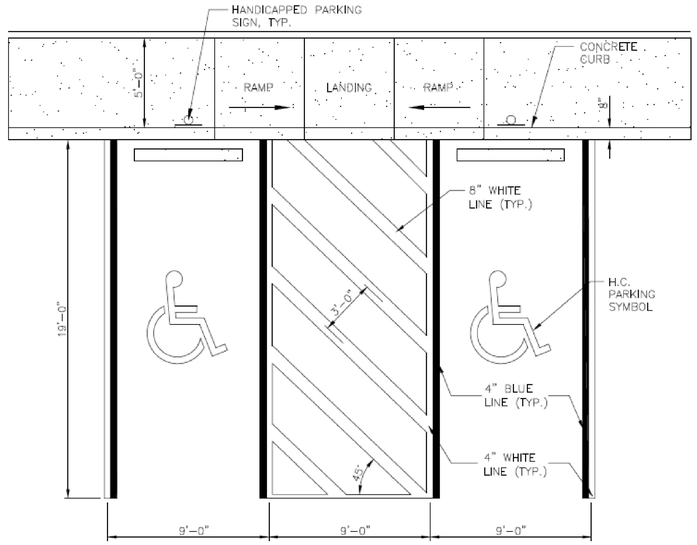



Note: For raised character mounting height see Section 703.3.10

FIGURE 703.4.5
HEIGHT OF BRAILLE CHARACTERS ABOVE FLOOR

## Communication Elements and Features

SCALE: NTS

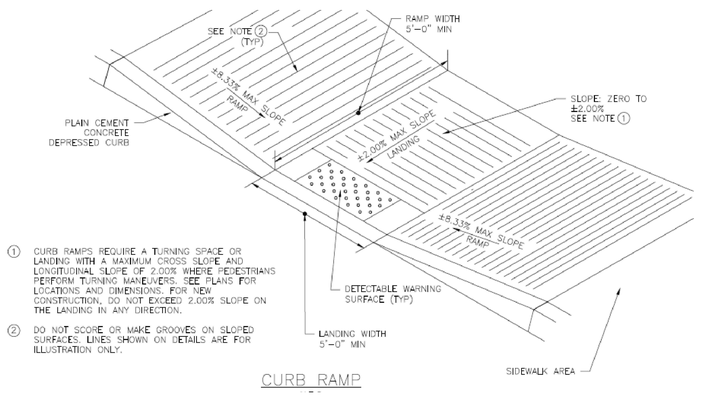



NOTES:

1. PROVIDE TYPE 1 – CONVENTIONAL TRAFFIC PAINT (COLOR – WHITE) AND DISPENSE IN A WET FILM THICKNESS OF 15 MILS ± 1 MIL IN ACCORDANCE WITH PENNDOT PUBLICATION 408, SECTION 962, LATEST EDITION. PAINT SHALL BE PENNDOT APPROVED.
2. NEATLY APPLY PAVEMENT PAINT MARKINGS AT LOCATIONS INDICATED WITH NO OVERSPRAY. USE TEMPLATES AS REQUIRED.
3. ADAPT THIS DETAIL FOR ALL HANDICAP STALLS.

## Handicap Parking Area

SCALE: NTS




CURB RAMP

## Curb Ramp

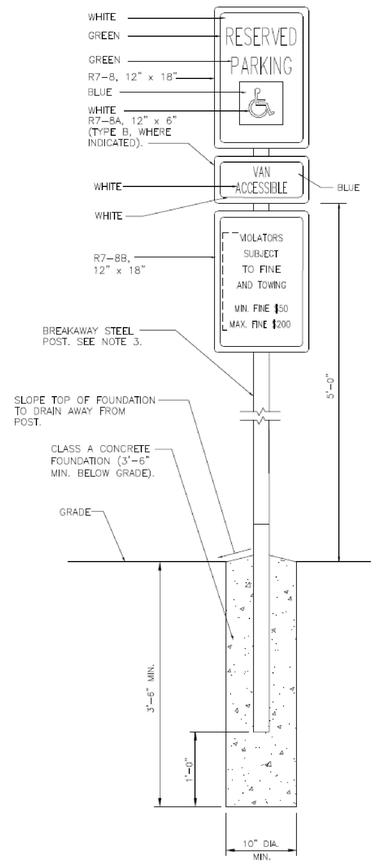
SCALE: NTS

NOTES:

1. WHERE INDICATED ON THE H.C. PARKING PLAN (THIS SHEET) TO BE VAN ACCESSIBLE, INSTALL BOTTOM OF R7-8A SIGN 4'-9" ABOVE PARKING STALL. IF NOT INDICATED TO BE VAN ACCESSIBLE, INSTALL BOTTOM OF R7-8 SIGN 5'-0" ABOVE PARKING STALL. R7-8B SIGN SHALL BE PLACED AT THE BOTTOM.
2. CENTER ONE SIGN ON EACH HANDICAP STALL. SIGNS SHALL BE BOTH POST MOUNTED AND WALL MOUNTED.
3. SIGNS SHALL BE AS SPECIFIED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION).
4. SIGNS SHALL BE MANUFACTURED FROM 18 GAUGE GALVANIZED STEEL WITH EMBOSSED WORDING. FINISH SHALL BE BAKED-ON ENAMEL.
5. FASTENERS REQUIRED TO ATTACH SIGNS SHALL BE SHALL BE STAINLESS STEEL.

NOTES:

1. CONTRACTOR SHALL FORM THE TOP 6" OF THE CONCRETE FOOTING. FOOTINGS NOT FORMED, SHALL BE REMOVED AND PROPERLY RECONSTRUCTED.
2. SIGNS SHALL BE AS SPECIFIED BY PENNDOT PUBLICATION 236 AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITIONS).
3. CONTRACTOR SHALL FURNISH AND INSTALL BREAKAWAY STEEL CHANNEL BAR POSTS FOR ALL REQUIRED SIGNS IN ACCORDANCE WITH PENNDOT PUBLICATION 408, SECTION 1103.08, LATEST EDITION. POSTS SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1105.02. PAINT POSTS GREEN IN ACCORDANCE WITH ASTM-G53-84, FEDERAL COLOR NO. 595.14062.
4. FASTENERS (I.E. BOLTS, ETC.) REQUIRED TO ATTACH SIGNS TO POST SHALL BE STAINLESS OR GALVANIZED STEEL.




## Handicap Parking Sign

SCALE: NTS

DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE USED ON EXTENSIONS OF THE PROJECT, OR OTHER PROJECTS, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO THE ARCHITECT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL DIMENSIONS AT THE JOB SITE. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE PROJECT.

© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

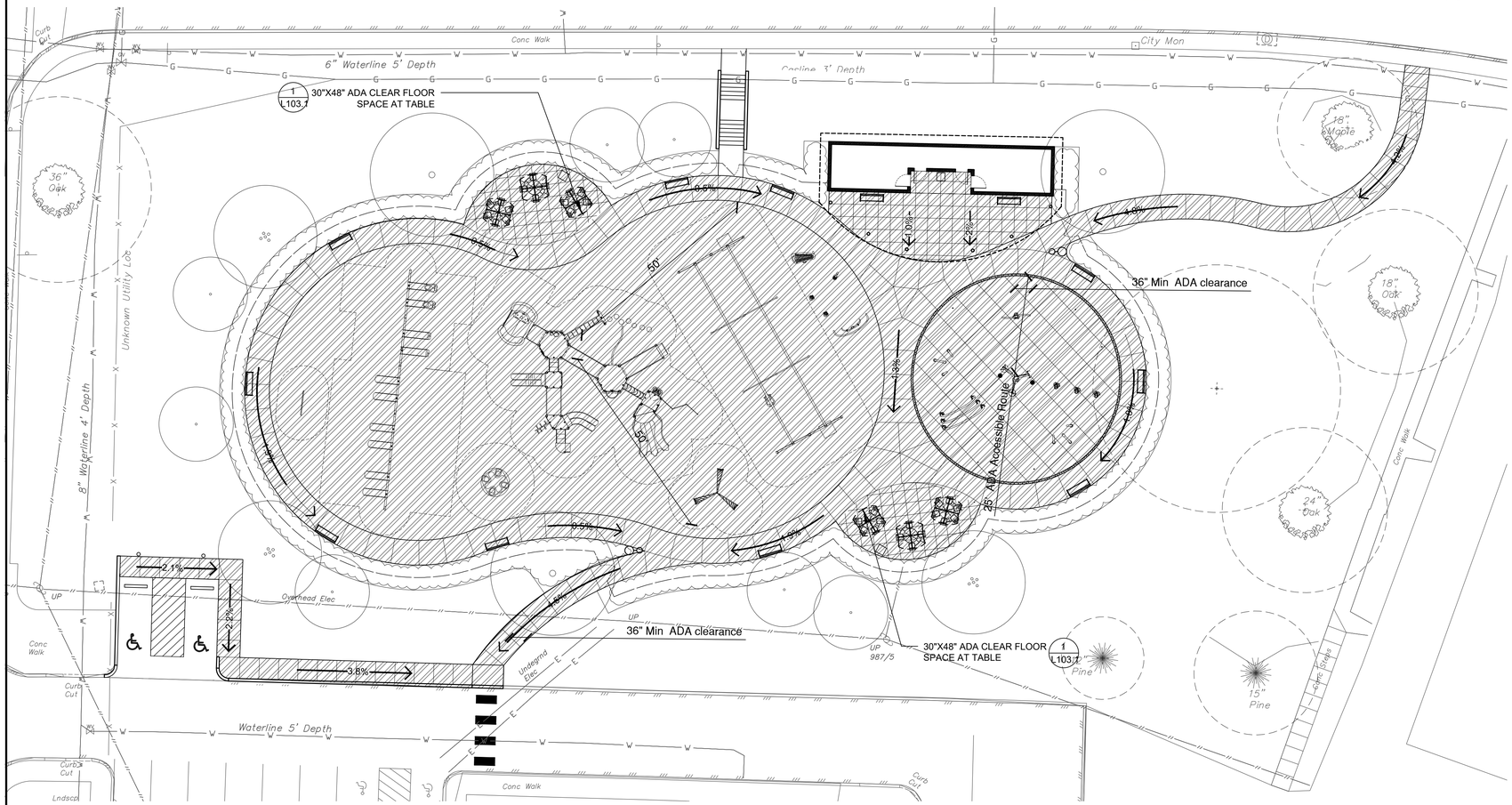
| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| JAG | SBT | 04/23/24 | 04/23/24 |

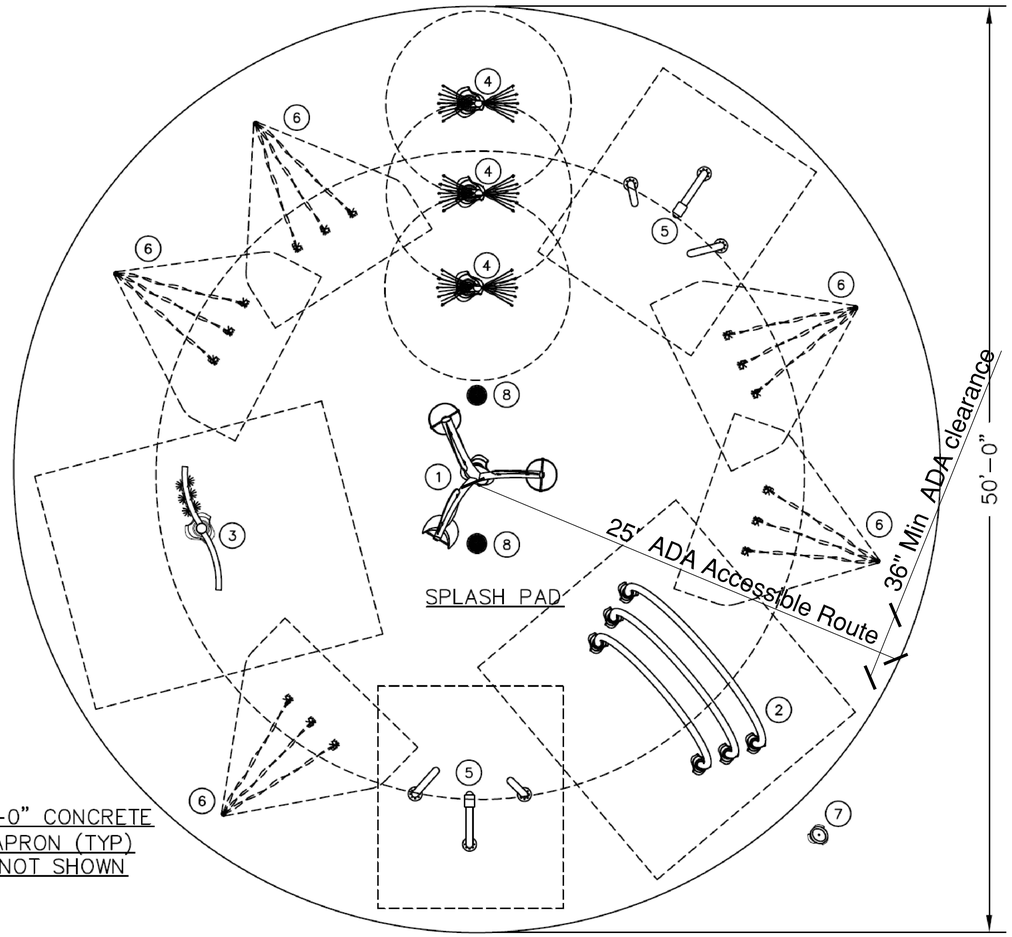
# Accessible Signage Details

HACP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214

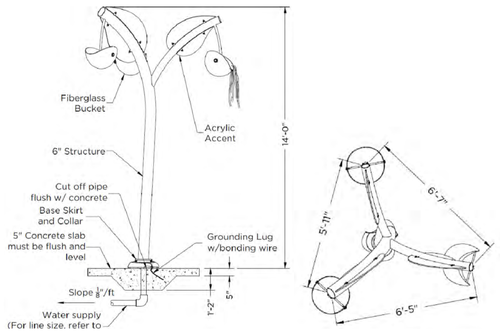
SHEET NUMBER:

A0.0

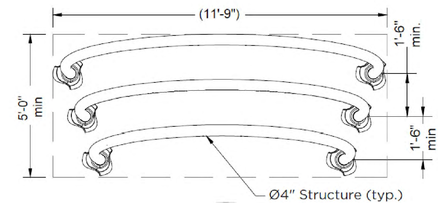

Curb Cut
Conc Walk
6" Waterline 5' Depth
City Mon
Gasline 3' Depth
1 L103.1
30"X48" ADA CLEAR FLOOR SPACE AT TABLE
18" Maple
36" Oak
18" Oak
24" Oak
15" Pine
Pine
Edge Grass
8" Waterline 4' Depth
Unknown Utility Lds
50'
25' ADA Accessible Route
36" Min ADA clearance
2.1%
2.8%
3.8%
4.8%
5.0%
4.6%
4.0%
4.6%
4.6%
4.6



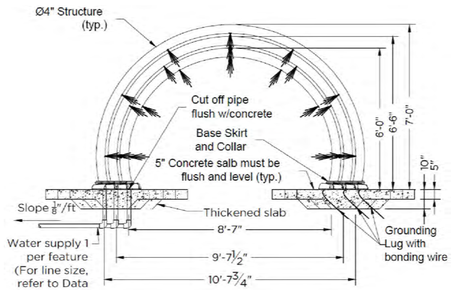

1 A0.2 Splash Pad Area - Ground Mounted Plan
SCALE: NTS




1 A0.2 Bucket Trio with Acrylic Plan
SCALE: NTS




2 A0.2 Ripplerun Plan
SCALE: NTS




2 A0.2 Ripplerun Plan
SCALE: NTS

**2009 ICC A117.1 Accessible and Usable Buildings & Facilities.**

The specifications in this standard make sites, facilities, buildings, and elements accessible to and usable by people with such physical disabilities as the inability to walk, difficulty walking, reliance on walking aids, blindness and visual impairment, deafness, and hearing impairment, in coordination, reaching and manipulation disabilities, lack of stamina, difficulty interpreting and reacting to sensory information, and extremes of physical size. The intent of this standard is to allow a person with physical disability to independently get to, enter, and use a site, facility, building, or element.

These new recreational criteria are intended to provide a level of coordination between the accessible provisions of this standard and the revised Americans with Disabilities Act (ADA/ABA AG).

402 Accessible Routes
402.2 Components. Accessible routes shall consist of one or more of the following components: Walking surfaces with a slope not steeper than 1 :20, doors and doorways, ramps, curb ramps excluding the flared sides.

403 Walking Surfaces
403.1 General. Walking surfaces that are a part of an accessible route shall comply with Section 403.
403.2 Floor Surface. Floor surfaces shall comply with Section 302.
403.3 Slope. The running slope of walking surfaces shall not be steeper than 1 :20. The cross slope of a walking surface shall not be steeper than 1 :48.

307.3 Post-Mounted Objects. Objects on posts or pylons shall be permitted to overhang 4 inches (100 mm) maximum where more than 27 inches (685 mm) and not more than 80 inches.

307.4 Vertical Clearance. The vertical clearance shall be 80 inches.

308 Reach Ranges 308.2 Forward Reach.
308.2.1 Unobstructed. Where a forward reach is unobstructed, the high forward reach shall be 48 inches (1220 mm) maximum and the low forward reach shall be 15 inches (380 mm) minimum above the floor.

**Aquavator** is a structure that has a low voltage touch sensor within the cap of the bollard. When patrons touch the top of the bollard a signal will go to the control panel to activate water flow. Activation bollards activate the entire splash pad features or designed zoned areas.

- Stainless steel 4" diameter structure with 150 lb mounting flange
- Mounting hardware
- Touch sensor
- 2 piece base skirt
- 2 piece collar

## Design Details

*Surface finishes and/or site furnishings shown are conceptual and provided by others.

**Proposed Color Palette**

Paint Colors

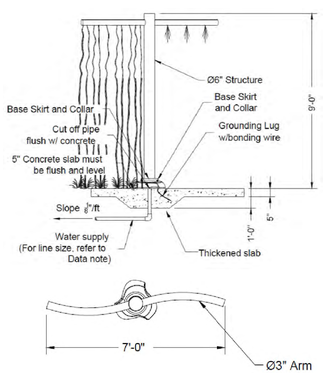
Acrylic Colors

**Project Details**

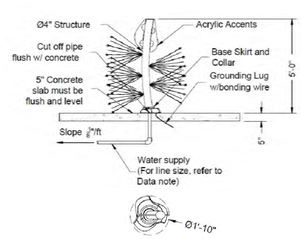
Dimensions
50'-0" Diameter

Total System Flow Rate
100 GPM

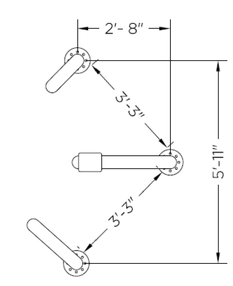
Note: Refer to Play Components - Equipment Manufacturing Products & Specifications. PDF



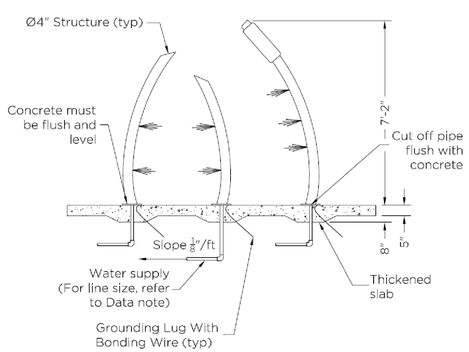

3 A0.2 Uniflow Plan & Elevation
SCALE: NTS



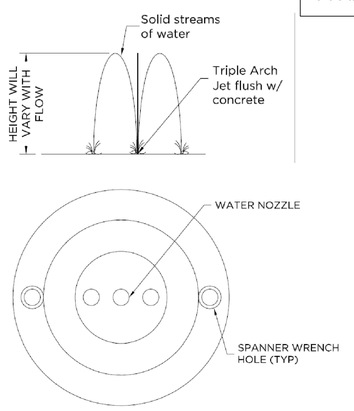

4 A0.2 Vaporarc Acrylic Plan & Elev.
SCALE: NTS



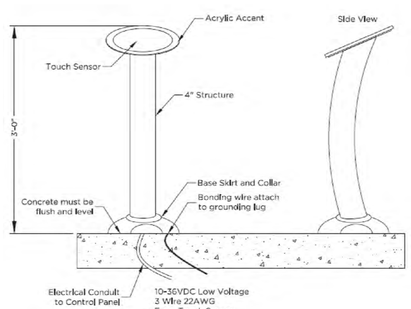

5 A0.2 Reeds Top Plan
SCALE: NTS




5 A0.2 Reeds Elevation
SCALE: NTS




6 A0.2 Triple Arch Jet Nozzle Top Plan & Elev.
SCALE: NTS




7 A0.2 Aquavator Elevation
SCALE: NTS

DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE USED ON EXTENSIONS OF THE PROJECT, OR OTHER PROJECTS, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO THE ARCHITECT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL DIMENSIONS AT THE JOB SITE. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE PROJECT.

© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

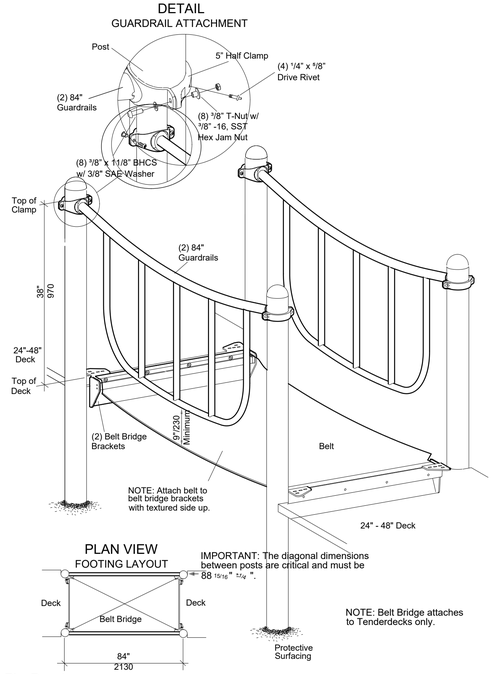
| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| JAG | SBT | 04/23/24 | 04/23/24 |

# Accessible Splash Pad, Details & Elevations

HACP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214

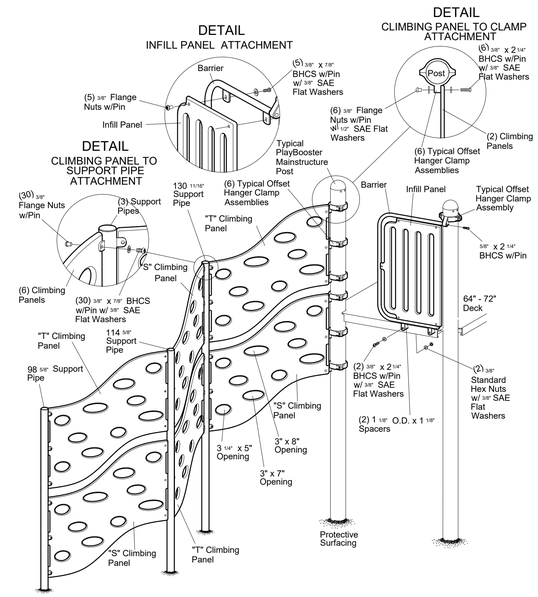
SHEET NUMBER:

A0.2

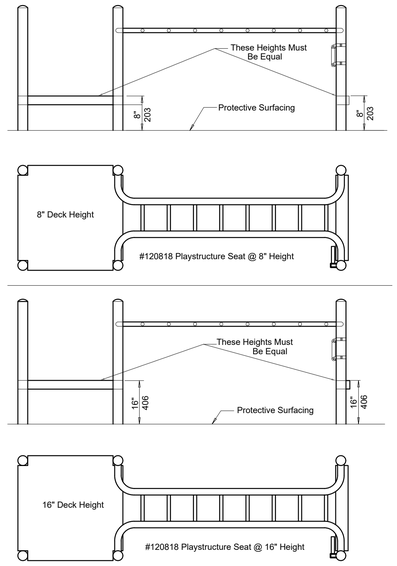



PlayBooster

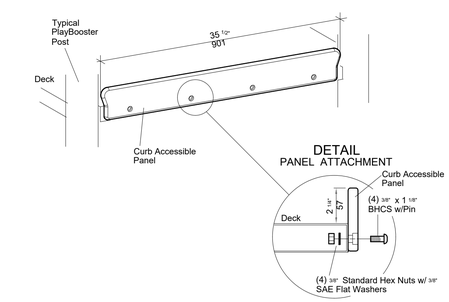
1 L103.5 **Belt Bridge**
SCALE: NTS



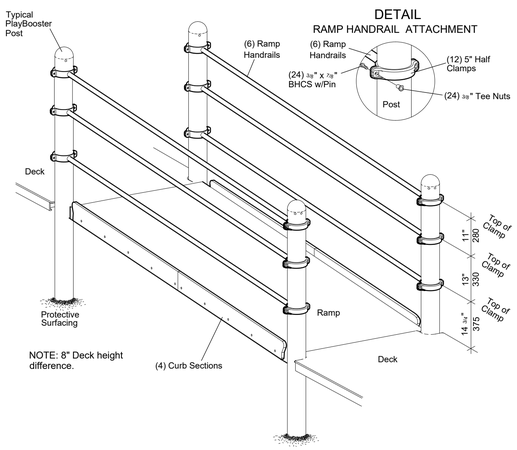

2 L103.5 **3-Panel Cascade Climber**
SCALE: NTS



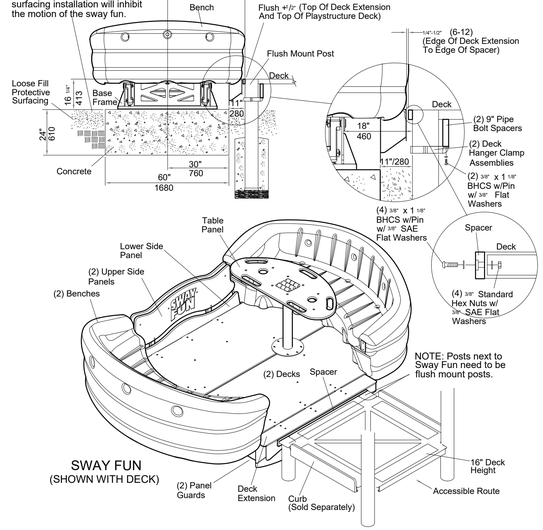

3 L103.5 **Access/Landing Seat**
SCALE: NTS




4 L103.5 **Reach Panel Curb**
SCALE: NTS




5 L103.5 **ASTM Ramp with Guardrail/Handrail**
SCALE: NTS




6 L103.5 **Sway Fun® Glider**
SCALE: NTS

NOTE: ALL DETAILS ON THIS SHEET DEVELOPED BY LANDSCAPE STRUCTURES. PHONE: (763) 972-5200

## 2009 ICC A117.1 Accessible and Usable Buildings & Facilities.

The specifications in this standard make sites, facilities, buildings, and elements accessible to and usable by people with such physical disabilities as the inability to walk, difficulty walking, reliance on walking aids, blindness and visual impairment, deafness, and hearing impairment, in coordination, reaching and manipulation disabilities, lack of stamina, difficulty interpreting and reacting to sensory information, and extremes of physical size. The intent of this standard is to allow a person with physical disability to independently get to, enter, and use a site, facility, building, or element.

These new recreational criteria are intended to provide a level of coordination between the accessible provisions of this standard and the revised Americans with Disabilities Act (ADA/ABA AG).

402 Accessible Routes
402.2 Components. Accessible routes shall consist of one or more of the following components: Walking surfaces with a slope not steeper than 1 :20, doors and doorways, ramps, curb ramps excluding the flared sides.

403 Walking Surfaces
403.1 General. Walking surfaces that are a part of an accessible route shall comply with Section 403.
403.2 Floor Surface. Floor surfaces shall comply with Section 302.
403.3 Slope. The running slope of walking surfaces shall not be steeper than 1 :20. The cross slope of a walking surface shall not be steeper than 1 :48.

307.3 Post-Mounted Objects. Objects on posts or pylons shall be permitted to overhang 4 inches (100 mm) maximum where more than 27 inches (685 mm) and not more than 80 inches.

307.4 Vertical Clearance. The vertical clearance shall be 80 inches.

308 Reach Ranges 308.2 Forward Reach.
308.2.1 Unobstructed. Where a forward reach is unobstructed, the high forward reach shall be 48 inches (1220 mm) maximum and the low forward reach shall be 15 inches (380 mm) minimum above the floor.

DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE USED IN EXTENSION OR ON ANY PROJECT OTHER THAN THE SPECIFIC PROJECT FOR WHICH THEY HAVE BEEN PREPARED WITHOUT COMPENSATION TO THE ARCHITECT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL DATA AT THE JOB SITE. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE PROJECT.
© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

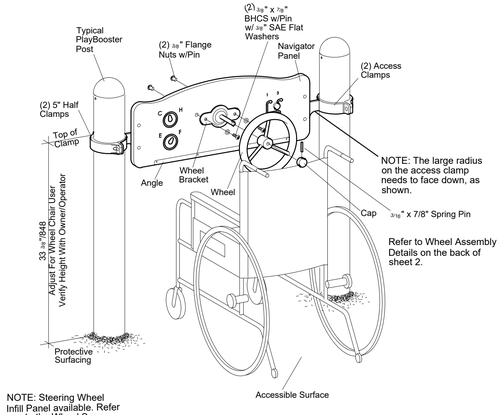
| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| JAG | SBT | 06/04/24 | 06/04/24 |

# Accessible Playground, Details & Elevations

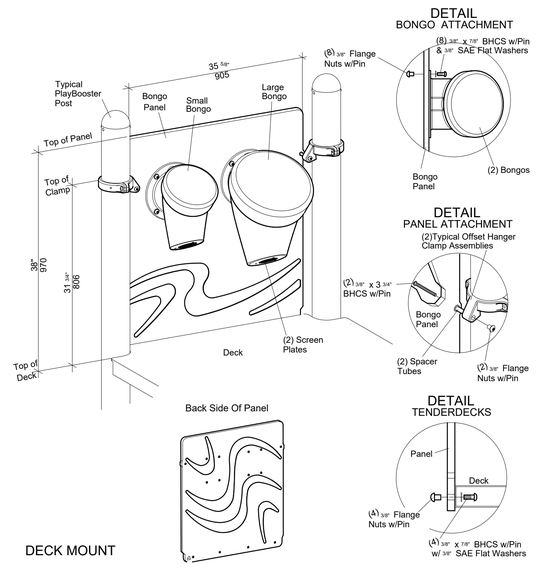
HACP NVH - Family Recreational Area
525 Mt Pleasent Road,
Pittsburgh, PA 15214

SHEET NUMBER:

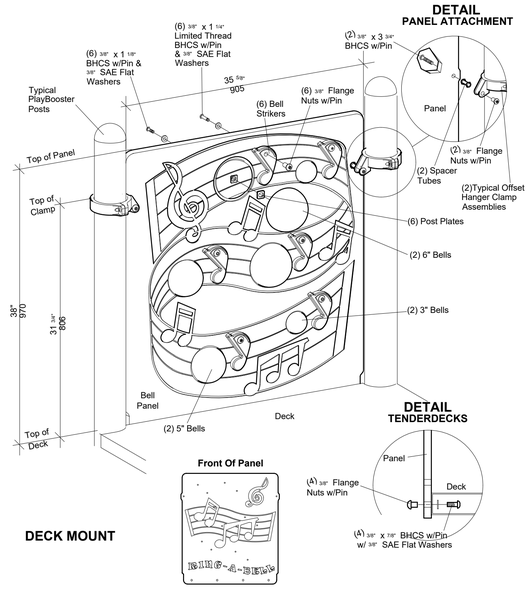
A0.3




1 L103.6 Navigator Panel
SCALE: NTS




2 L103.6 Bongo Panel®
SCALE: NTS




3 L103.6 Ring-a-Bell Panel
SCALE: NTS




**Clamp/Panel Height Table**

| Below Deck | A |
|---|---|
| 48" | 6 1/4" 159 |
| 56" And Higher | 14 1/2" 368 |

4 L103.6 Color Splash Panel™
SCALE: NTS




NOTE:
The Optigear Panel is preassembled at the factory.

5 L103.6 OptiGear Panel®
SCALE: NTS

NOTE: ALL DETAILS ON THIS SHEET DEVELOPED BY LANDSCAPE STRUCTURES. PHONE: (763) 972-5200

**2009 ICC A117.1 Accessible and Usable Buildings & Facilities.**

The specifications in this standard make sites, facilities, buildings, and elements accessible to and usable by people with such physical disabilities as the inability to walk, difficulty walking, reliance on walking aids, blindness and visual impairment, deafness, and hearing impairment, in coordination, reaching and manipulation disabilities, lack of stamina, difficulty interpreting and reacting to sensory information, and extremes of physical size. The intent of this standard is to allow a person with physical disability to independently get to, enter, and use a site, facility, building, or element.

These new recreational criteria are intended to provide a level of coordination between the accessible provisions of this standard and the revised Americans with Disabilities Act (ADA/ABA AG).

402 Accessible Routes
402.2 Components. Accessible routes shall consist of one or more of the following components: Walking surfaces with a slope not steeper than 1 :20, doors and doorways, ramps, curb ramps excluding the flared sides.

403 Walking Surfaces
403.1 General. Walking surfaces that are a part of an accessible route shall comply with Section 403.
403.2 Floor Surface. Floor surfaces shall comply with Section 302.
403.3 Slope. The running slope of walking surfaces shall not be steeper than 1 :20. The cross slope of a walking surface shall not be steeper than 1 :48.

307.3 Post-Mounted Objects. Objects on posts or pylons shall be permitted to overhang 4 inches (100 mm) maximum where more than 27 inches (685 mm) and not more than 80 inches.

307.4 Vertical Clearance. The vertical clearance shall be 80 inches.

308 Reach Ranges 308.2 Forward Reach.
308.2.1 Unobstructed. Where a forward reach is unobstructed, the high forward reach shall be 48 inches (1220 mm) maximum and the low forward reach shall be 15 inches (380 mm) minimum above the floor.

DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE USED BY AN OWNER OR ANY OTHER PERSON OR ENTITY ON ANY PROJECT OTHER THAN THE ONE FOR WHICH THEY WERE PREPARED WITHOUT THE EXPRESS WRITTEN CONSENT OF THE ARCHITECT. THE GENERAL CONTRACTOR IS COMPENSATION TO THE ARCHITECT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL DIMENSIONS ON THE JOB SITE. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES; OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE PROJECT.
© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

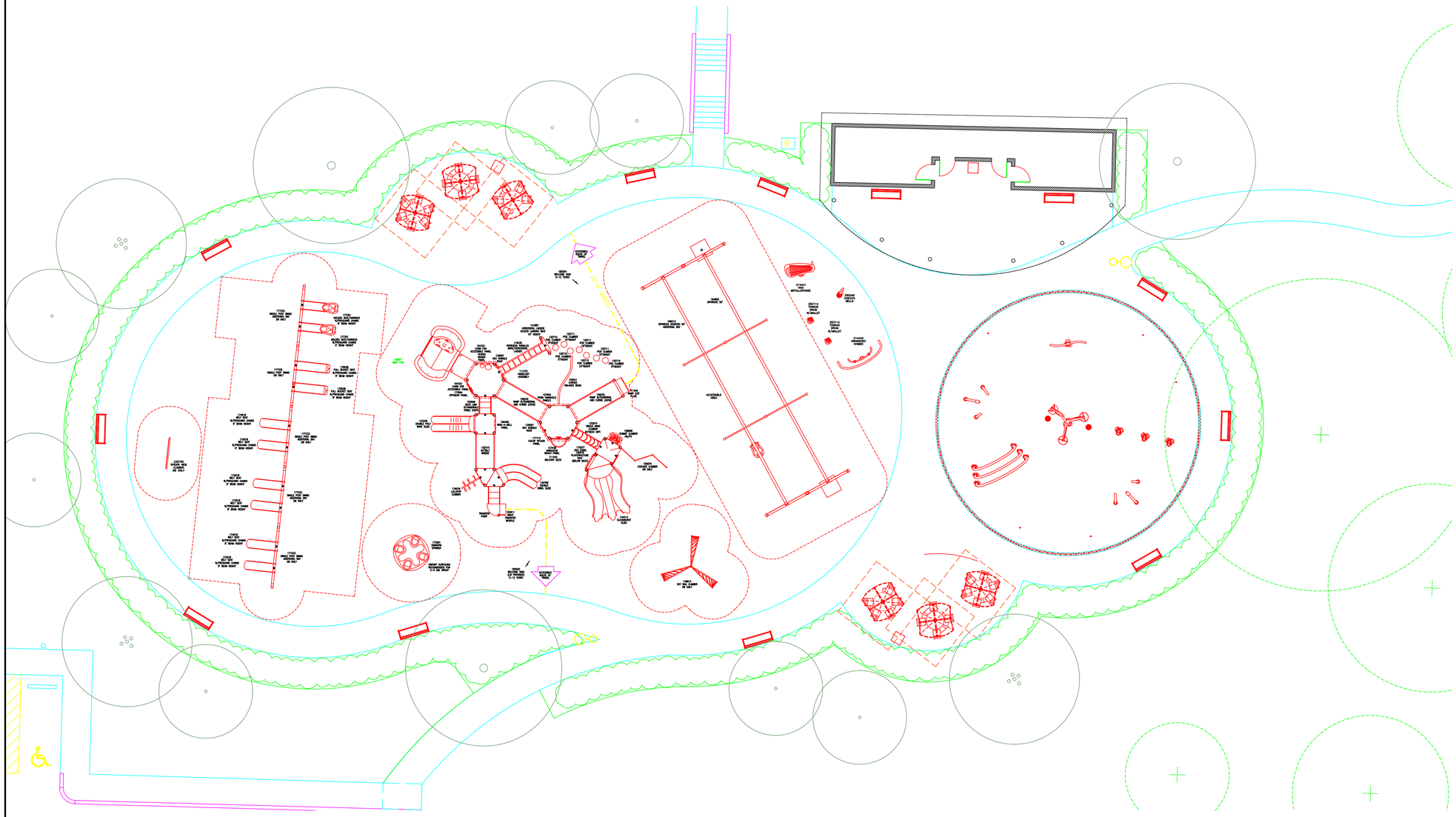
| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| JAG | SBT | 06/04/24 | 06/04/24 |

# Accessible Playground, Details & Elevations

HACP NVH - Family Recreational Area
525 Mt Pleasent Road,
Pittsburgh, PA 15214

SHEET NUMBER:

A0.4



| | | |
|---|---|---|
| TOTAL ELEVATED PLAY COMPONENTS | TELEV | |
| TOTAL ELEVATED COMPONENTS ACCESSIBLE BY RAMP | TACRREQUIRED | TACRR |
| TOTAL ELEVATED COMPONENTS ACCESSIBLE BY TRANSFER | TACTREQUIRED | TACTR |
| TOTAL ACCESSIBLE GROUND LEVEL COMPONENTS SHOWN | TGL REQUIRED | TGLR |
| TOTAL DIFFERENT TYPES OF GROUND LEVEL COMPONENTS | TDTGREQUIRED | DTGLR |

landscape structures

The play components identified on this plan are IPEMA certified. (Unless model number is preceded with *) The use and layout of these components conform to the requirements of ASTM F1487. To verify product certification, visit www.ipema.org

THIS PLAY AREA & PLAY EQUIPMENT IS DESIGNED FOR AGES YEARS YR/MO UNLESS OTHERWISE NOTED ON PLAN.

IT IS THE MANUFACTURERS OPINION THAT THIS PLAY AREA DOES CONFORM TO THE A.D.A. ACCESSIBILITY STANDARDS, ASSUMING AN ACCESSIBLE PROTECTIVE SURFACING IS PROVIDED, AS INDICATED, OR WITHIN THE ENTIRE USE ZONE.

THIS CONCEPTUAL PLAN WAS BASED ON INFORMATION AVAILABLE TO US. PRIOR TO CONSTRUCTION, DETAILED SITE INFORMATION INCLUDING SITE DIMENSIONS, TOPOGRAPHY EXISTING UTILITIES, SOIL CONDITIONS, AND DRAINAGE SOLUTIONS SHOULD BE OBTAINED, EVALUATED, & UTILIZED IN THE FINAL DESIGN. PLEASE VERIFY ALL DIMENSIONS OF PLAY AREA, SIZE, ORIENTATION, AND LOCATION OF ALL EXISTING UTILITIES, EQUIPMENT, AND SITE FURNISHINGS PRIOR TO ORDERING. SLIDES SHOULD NOT FACE THE HOT AFTERNOON SUN.

CHOOSE A PROTECTIVE SURFACING MATERIAL THAT HAS A CRITICAL HEIGHT VALUE TO MEET THE MAXIMUM FALL HEIGHT FOR THE EQUIPMENT (REF. ASTM F1487 STANDARD CONSUMER SAFETY PERFORMANCE SPECIFICATION FOR PLAYGROUND EQUIPMENT FOR PUBLIC USE, SECTION 8 CURRENT REVISION). THE SUBSURFACE MUST BE WELL DRAINED. IF THE SOIL DOES NOT DRAIN NATURALLY IT MUST BE TILED OR SLOPED 1/8" TO 1/4" PER FOOT TO A STORM SEWER OR A "FRENCH DRAIN".

AREA OF ACCESSIBLE/PROTECTIVE SURFACING (POURED-IN-PLACE SUGGESTED) SQFT

DESIGNED BY:
INTLS

COPYRIGHT: COPYRIGHT_DATE
LANDSCAPE STRUCTURES, INC.
601 7th STREET SOUTH – P.O. BOX 198
DELANO, MINNESOTA 55328
PH: 1-800-328-0035 FAX: 1-763-972-6091

| DATE | DWG | INITIALS |
|---|---|---|
| DATE | DWG | INITIALS |
| DATE | DWG | INITIALS |
| Date | Previous Drawing # | Initials |

SCALE IN FEET: 0' 5' 10' 20' 40'

PROJ1
PROJ2
LOCATION

REP1
REP2
REPCONTACT

SYSTEM TYPE:
SYS

DRAWING #:
NUMBER

ISO 14001:2015 CERTIFIED
ISO 9001:2015 Certified

REGISTERED ARCHITECT 15056 X3 SUSAN B. TUSICK

DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE USED ON EXTENSIONS OF THE PROJECT OR OTHER PROJECTS EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO THE ARCHITECT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL DIMENSIONS AT THE JOB SITE. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE PROJECT.

© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

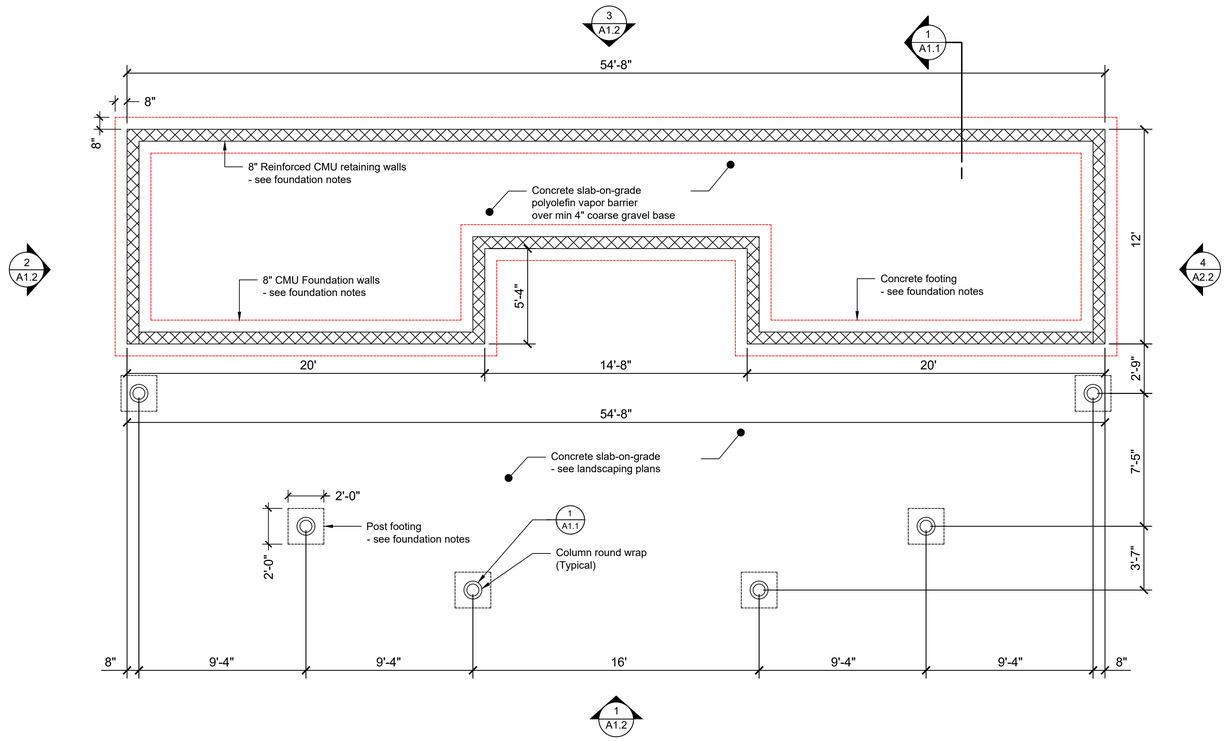
REVISIONS

| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| JAG | SBT | 04/23/24 | 04/23/24 |

# Accessible Elevated Plan

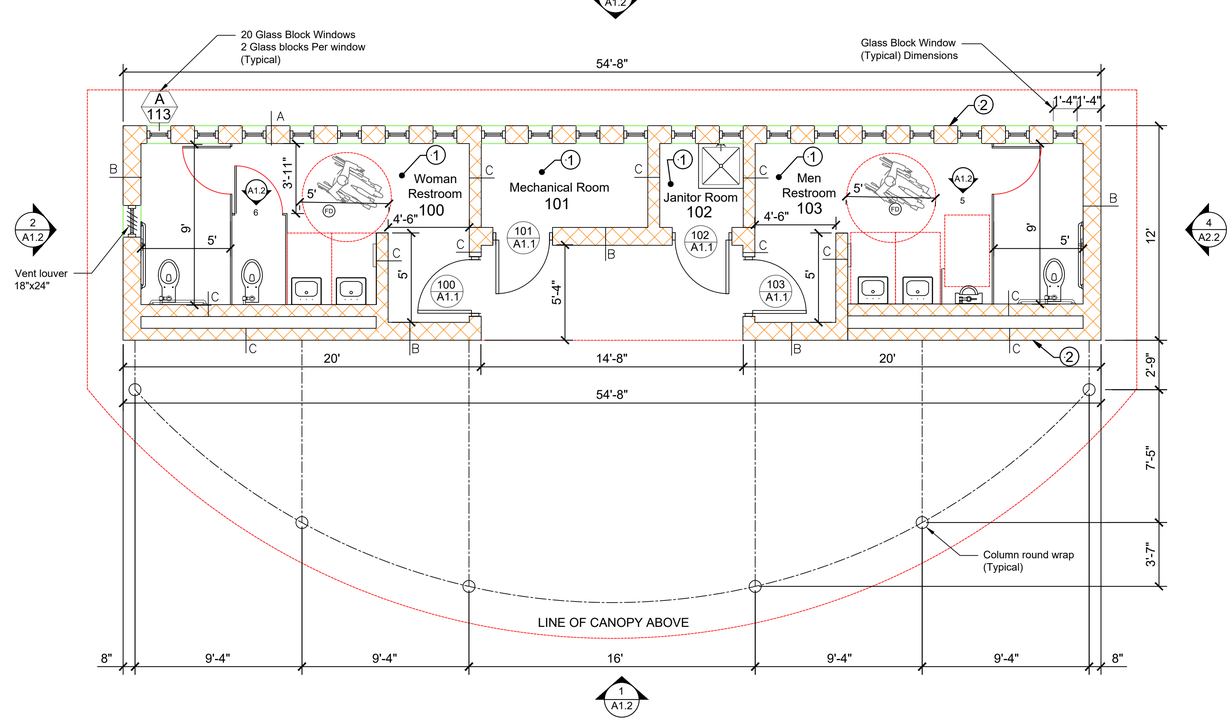
HACP NVH - Family Recreational Area
525 Mt Pleasent Road,
Pittsburgh, PA 15214

SHEET NUMBER:
A0.5



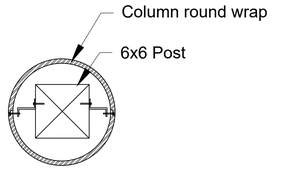

RESTROOM FOUNDATION FLOOR PLAN

SCALE: 1/4" = 1'-0"



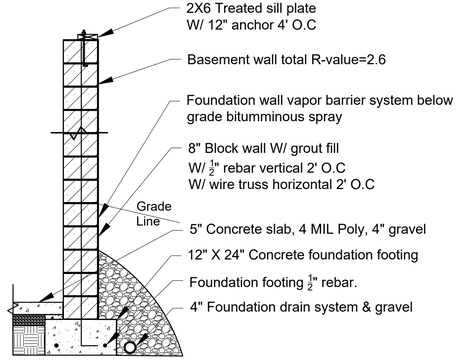

RESTROOM FLOOR PLAN

SCALE: 1/4" = 1'-0"




1 A1.1 Column Round Wrap Detail View

SCALE: 1-1/2" = 1'-0"




1 A1.1 Foundation Wall Section View

SCALE: 1/2" = 1'-0"

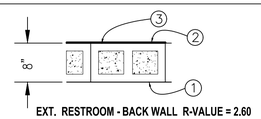
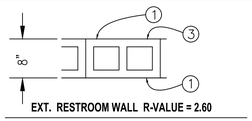
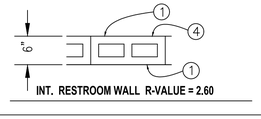
## General Construction Notes -

1. All construction shall comply with all Local, Commonwealth, and Federal regulations.
2. Contractor shall notify the Architect before construction begins.
3. Contractor shall comply with the notes on the Cover Sheet (CS) that pertain to construction.
4. For mechanical, electrical, and plumbing see applicable sheets in set.
5. Any existing surfaces adjacent to construction that are damaged shall be patched to match existing.
6. **Restroom: Seasonal** - No Heating. The building is locked and not used in the winter. The building does not conditioned space. It is a low energy building and is exempted from the building thermal envelop requirements.
7. **Energy Compliance**: 2018 IECC C4o1.2.
8. **Electrical Note**: The electrical energy requirements for lighting would be required to comply under the electrical permit application.

## Specific Construction Notes

1. Install Interior Concrete Floor: Smooth finish, Drylok concrete floor paint with ant slip finish. Under slab Apply 4 Mil Poly sheeting 12' x 100' Model # CF0412C
2. Install Block Walls: Reinforced corners and door sections with 1/2" rebar vertically. Truss wire shall be 2' OC horizontally. A bond block beam shall be continues around the top of the exterior of the building. Seal plate with anchor are to be installed. All walls are concrete two faced glazed tile.
3. Install Ceiling joists / trusses: 16" OC, are to be secure with hurricane clips.
4. Install ceiling finish: GWBW - 5/8" Water resistant gypsum wallboard. Paint all walls with mold resistant paint. (Verify color with owner).
5. Exterior Concrete Floor: Broom finish, Concrete sealant applied - RadonSeal Standard Concrete Sealer
6. H.V.A.C: Refer to HVAC plans.
7. Plumbing: Refer to Plumbing plans.
8. Electrical: Refer to Electrical plans.

## PARTITION TYPES

| TYPES | CONSTRUCTION |
|---|---|
| A |  |
| B |  |
| C |  |



DESCRIPTION

1. Glazed Finish
2. Vapor Barrier
3. 8" Concrete Block–Two face Glazed Tile
4. 6" Concrete block–Two face Glazed Tile

DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE USED ON EXTENSIONS OF THE PROJECT, OR OTHER PROJECTS, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO THE ARCHITECT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL DIMENSIONS AT THE JOB SITE. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE PROJECT.

© Tusick & Associates Architects, Inc.

TAA

Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

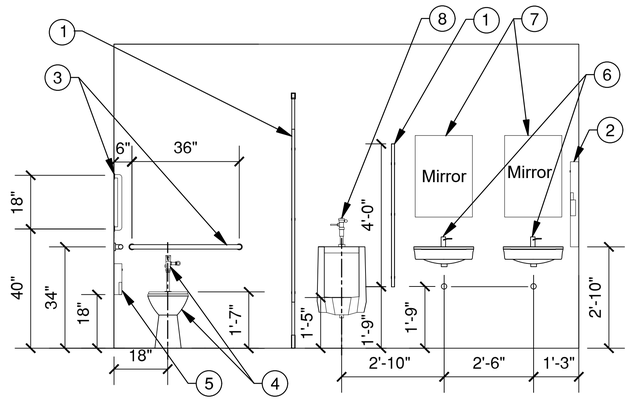
| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| JAG | SBT | 04/23/24 | 04/23/24 |

RESTROOM FLOOR & FOUNDATION PLAN

HACP NVH - Family Recreational Area
525 Mt Pleasent Road,
Pittsburgh, PA 15214

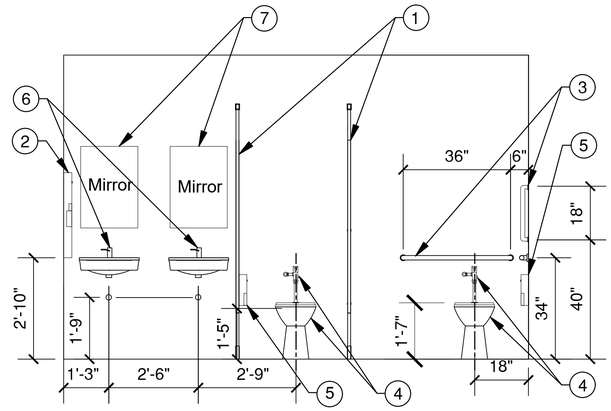
SHEET NUMBER:

A1.1



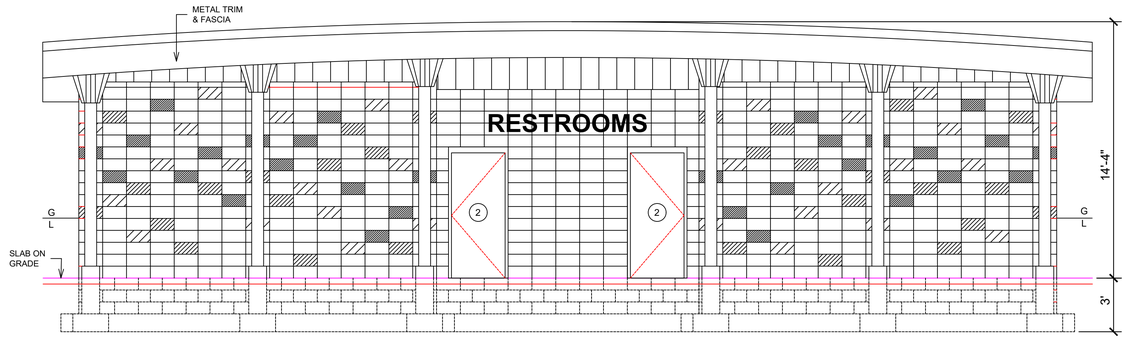

5 A1.2 MENS RESTROOM ELEVATION

SCALE: 1/2" = 1'-0"



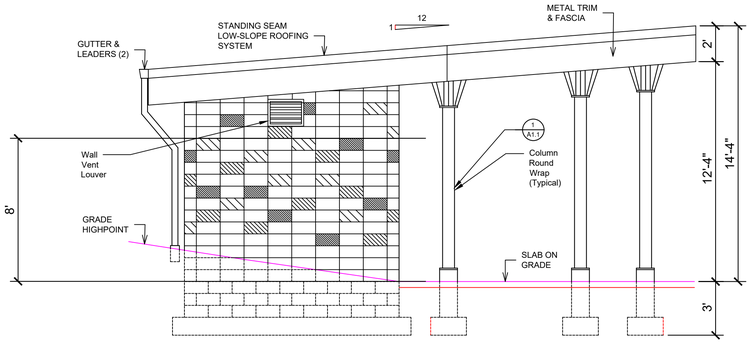

6 A1.2 WOMEN'S RESTROOM ELEVATION

SCALE: 1/2" = 1'-0"



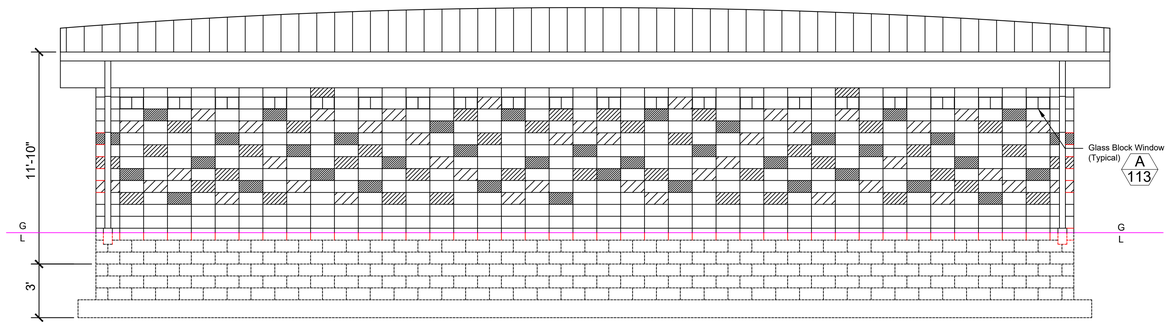

1 A1.2 FRONT ELEVATION

SCALE: 1/4" = 1'-0"



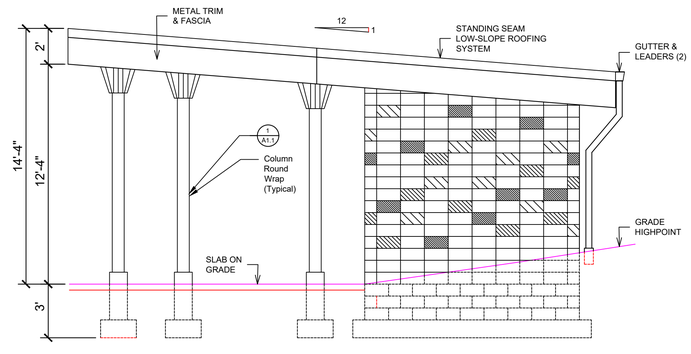

2 A1.2 RIGHT SIDE ELEVATION

SCALE: 1/4" = 1'-0"




3 A1.2 REAR ELEVATION

SCALE: 1/4" = 1'-0"




4 A1.2 LEFT SIDE ELEVATION

SCALE: 1/4" = 1'-0"

## Construction Notes

### General Notes

1. All construction shall comply with all Local, Commonwealth, and Federal regulations.
2. Contractor shall notify the Architect before construction begins.
3. Contractor shall comply with the notes on the Cover Sheet (CS) that pertain to construction.
4. For mechanical, electrical, and plumbing see applicable sheets in set.
5. American Standard toilet with automatic flush - no handle: Selectronic Flushometer.

### Specific Construction Restroom

1. Install Solid Plastic, Headrail braced, Toilet Partitions. ADA compliant. (Verify manufacturer & color with owner).
2. Install Wall Mount Folded Paper Towel Dispenser. Model #: T9F240454
3. Install ADA Grab Bars.
   Glacier Bay 36 in. x 1-1/2 in. Concealed Peened ADA Compliant Grab Bar in Polished Stainless Steel Model # 20135-02103-36
4. Install American Standard Madera 1.28 GPF Elongated One-Piece Toilet With Top Spud. With automatic flush - no handle: Selectronic Flushometer.
   - Selectronic Flushometer - Less Seat (5901100.020)
5. Install Bobrick Recessed Multi-Roll Tissue Dispenser - B3888. Model #: T9FB489292
6. Install American Standard Declyn Wall-Hung Sink 0321075.020. & American Standard NextGen Selectronic, Single Hole Faucet Model # 775B103.002
7. Install mirrors. ADA height compliant. Type selected by owner.
8. Install American Standard Maybrook, Universal Urinal. Model:6581001EC.020 Ultima Manual 1.0 GPF Flush Valve for 0.75 in. Top Spud Urinal in Polished Chrome Store Model # 6045.101.002 SKU # 1000949290

REGISTERED ARCHITECT PENNSYLVANIA SUSAN B. TUSICK 15056

DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE USED ON EXTENSIONS OF THE PROJECT, OR OTHER PROJECTS, WITHOUT THE EXPRESS WRITTEN CONSENT AND COMPENSATION TO THE ARCHITECT. THE GENERAL CONTRACTOR IS REQUIRED TO REVIEW AND APPROVE ALL SHOP DRAWINGS AT THE JOB SITE. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE PROJECT.

© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

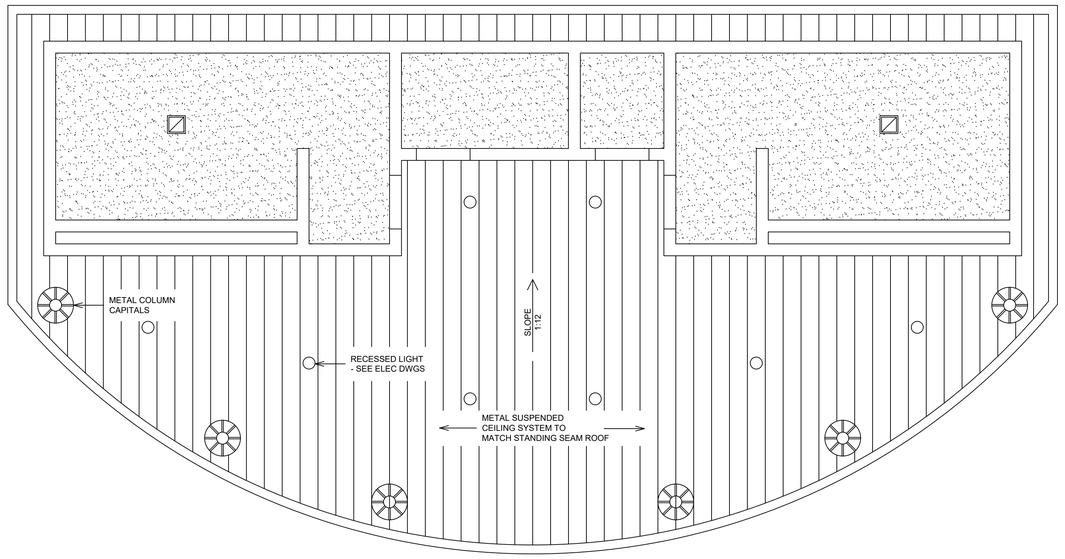
| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| JAG | SBT | 04/23/24 | 04/23/24 |

EXTERIOR ELEVATIONS & RESTROOM ELEVATIONS

HACP NVH - Family Recreational Area
525 Mt Pleasent Road,
Pittsburgh, PA 15214

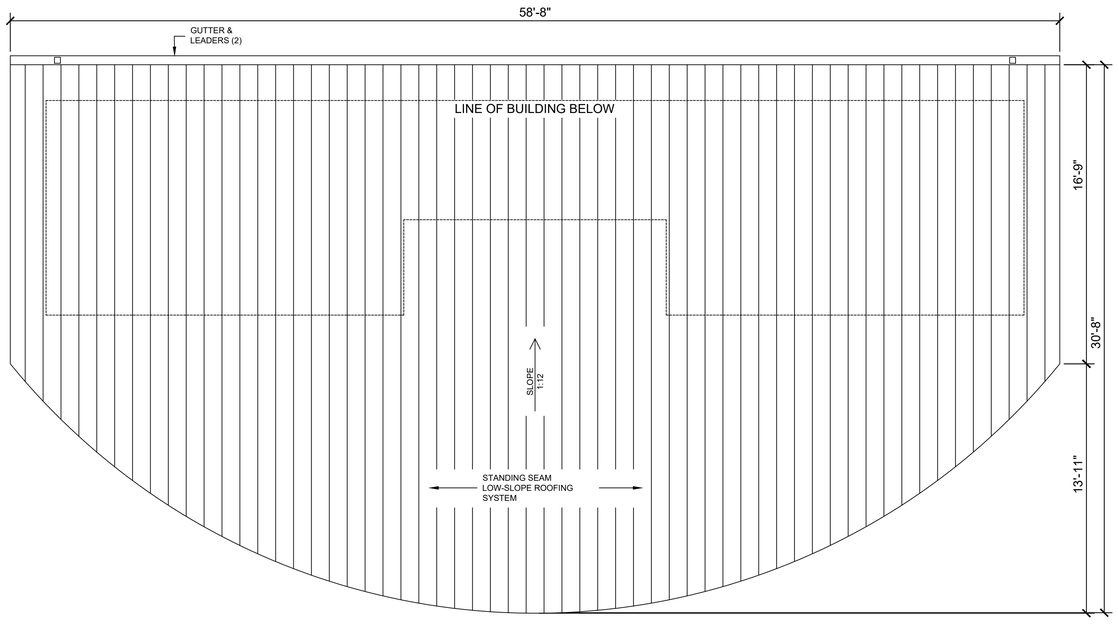
SHEET NUMBER:

A1.2




RESTROOM - CEILING PLAN

SCALE: 1/4" = 1'-0"




RESTROOM - ROOF PLAN

SCALE: 1/4" = 1'-0"

DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE USED ON EXTENSIONS OF THE PROJECT, OR OTHER PROJECTS, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO THE ARCHITECT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL DIMENSIONS AT THE JOB SITE. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE PROJECT.

© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| JAG | SBT | 04/23/24 | 04/23/24 |

RESTROOM CEILING & ROOF PLANS

HACP NVH - Family Recreational Area
525 Mt Pleasent Road,
Pittsburgh, PA 15214

SHEET NUMBER:

A1.3

# DOOR SCHEDULE

NOTE: All door dimensions are to be field verified.

| ROOM | DOOR # | QUAN. | THK. | TYPE | ROUGH OP'G | DOOR SIZE | FRAME | MFR. NO. | NOTES |
|---|---|---|---|---|---|---|---|---|---|
| 100 | 100 A1.1 | 1 | 1-3/4" | EXT. | 3'-2" X 6'-9-1/4" | 3'-0" X 6'-8" | 5-5/8" | Per owner | Metal & frame with vent |
| 101 | 101 A1.1 | 1 | 1-3/4" | EXT. | 3'-2" X 6'-9-1/4" | 3'-0" X 6'-8" | 5-5/8" | Per owner | Metal & frame with vent |
| 102 | 102 A1.1 | 1 | 1-3/4" | EXT. | 3'-2" X 6'-9-1/4" | 3'-0" X 6'-8" | 5-5/8" | Per owner | Metal & frame with vent |
| 103 | 103 A1.1 | 1 | 1-3/4" | EXT. | 3'-2" X 6'-9-1/4" | 3'-0" X 6'-8" | 5-5/8" | Per owner | Metal & frame with vent |

# WINDOW SCHEDULE

NOTE: All block dimensions are to be field verified.

| SYM. | QUAN. | LTS | TYPE | ROUGH OP'G | Glass block Size | FRAME | U-Value | NOTES |
|---|---|---|---|---|---|---|---|---|
| A 113 | 20 | 2 | Glass block | 16" X 8" | 8" X 8" | NA | 1.96 | 2 Blocks per window |
| | | | | | | | | |
| | | | | | | | | |

# FINISH SCHEDULE LEGEND & NOTES

**FLOOR FINISHES**

CBF Concrete Broom Finish
CFP Concrete Floor Paint

**BASE FINISHES**

NA Not Available

**WALL CONSTRUCTION**

CB Concrete Block

**WALL FINISHES**

GB Glazed Block

**CEILING CONSTRUCTION**

GWBW Water Resistant Gypsum Wallboard

**CEILING FINISHES**

PTD Painted

**REMARKS**

NOTES: Provide

NOTES: Provide

NOTES: Provide

NOTES: Provide

DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE USED ON EXTENSIONS OF THE PROJECT, OR OTHER PROJECTS, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO THE ARCHITECT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL DIMENSIONS AT THE JOB SITE. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE PROJECT.

© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

DRAWN BY JAG
CHECKED BY SBT
DATE ISSUED 04/23/24
DATE PRINTED 04/23/24

FINISH DOOR & WINDOW SCHEDULE

HACP NVH - Family Recreational Area
525 Mt Pleasent Road,
Pittsburgh, PA 15214

SHEET NUMBER:

A1.4

N/F HOUSING AUTHORITY OF THE CITY OF PITTSBURGH
B & L 77-D-00046
525 MOUNT PLEASANT ROAD
(NORTHVIEW HEIGHTS)

CHICAGO STREET

MOUNT PLEASANT ROAD

NORTHVIEW HEIGHTS PLAYGROUND

Ex. Residence Building

Ex. Highrise Building

Ex. Building

Building Area

Building Rubble

Allegheny Co. Landslide area

Ex CB077H003 Top:1194.16 Inv: ?

Ex CB077H004 Top:1194.22 Inv: ?

San MH077H032 Top:1193.88 Inv in:1183.42 12"TC Inv in:1183.27 15"TC Inv in:1183.06 15"TC Inv out:1183.14 18"TC

San MH077H033 Top:1191.12 Inv in:1177.65 18"TC Inv out:1177.52 18"TC

San MH077H034 Top:1184.14 Inv in:1175.28 18"TC Inv out:1175.25 18"TC

Ex CB077H005

Ex CB077H006

Ex CB077H008 Top:1190.59 Inv: ?

Ex CB077H009 Top:1189.06 Inv: ?

Ex CB077H014 Top:1182.83 Inv: ?

San MH077H035 Top:1182.47 Inv in:1176.94 12"TC Inv in:1176.61 12"TC Inv out:1176.40 15"TC

Ex CB077H015 Top:1182.69 Inv:1179.80 4" Inv:1176.04

Ex CB077H016

Ex Inlet# Top:1181.66 Inv: ?

San MH078E002

Ex CB078E007 Top:1166.72 Inv: ?

6" Waterline 5' Depth

8" Waterline 4' Depth

Gasline 3' Depth

Unknown Utility Loc

Overhead Elec

Conc Walk

Conc Pave

Curb Cut

Lndscp

Sign

City Mon

GRAPHIC SCALE
20 0 10 20 40 80
( IN FEET )
1 inch = 20 ft.

## LEGEND

| | |
|---|---|
| OVERHEAD ELECTRIC LINE | SANITARY SEWER |
| UNDERGROUND ELECTRIC | COMBINATION SEWER |
| UP UP | SANITARY MANHOLE |
| GP GUIDE WIRE | CO CLEANOUT |
| EM ELECTRIC METER | MH MANHOLE |
| ET ELECTRIC TRANSFORMER | STORM SEWER |
| LP LIGHT POLE | STMH STORM MANHOLE |
| GAS LINE | CB CATCH BASIN |
| GV GAS VALVE | EW END WALL |
| GM GAS MARKER | TMH COMMUNICATION MANHOLE |
| GM GAS METER | TB COMMUNICATION BOX |
| WATER LINE | TV COMMUNICATION VAULT |
| WV WATER VALVE | EDGE OF PAVEMENT |
| FH HYDRANT | SURVEY MARKERS |

LOCATION MAP — NTS

## UTILITY INFORMATION

**WATER**
PITTSBURGH WATER & SEWER AUTHORITY
1200 PENN AVENUE
PITTSBURGH, PA 15222
(412) 255-2409

**SEWERS**
PITTSBURGH WATER & SEWER AUTHORITY
1200 PENN AVENUE
PITTSBURGH, PA 15222
(412) 255-2409

**ELECTRIC**
DUQUESNE LIGHT
708 SMITHFIELD STREET
PITTSBURGH, PA 15219
(800) 393-7100

**GAS**
DOMINION PEOPLES GAS
625 LIBERTY AVENUE #600
PITTSBURGH PA 15222
(800) 761-0111

**TELEPHONE**
VERIZON COMMUNICATIONS
1000 LIBERTY AVENUE
PITTSBURGH, PA 15222
(800) 660-2215

**CABLE TELEVISION**
COMCAST
294 CORLISS STREET
PITTSBURGH, PA 15220
(412) 875-1100

**CALL BEFORE YOU DIG!**
PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE - STOP CALL
P.O.C.S. SERIAL NUMBER
20222283732
08-16-2022
PA 1 SYSTEM INC.
1-800-242-1776

## ZONING = R1D-L SINGLE-UNIT DETACHED RESIDENTIAL DISTRICT LOW DENSITY

| | |
|---|---|
| MINIMUM LOT SIZE | = 5,000 SQ.FT. |
| MINIMUM LOT SIZE PER UNIT | = 3,000 SQ.FT. |
| MINIMUM FRONT SETBACK | = 30 FEET |
| MINIMUM REAR SETBACK | = 30 FEET |
| MINIMUM EXTERIOR SIDEYARD SETBACK | = 30 FEET |
| MINIMUM INTERIOR SIDEYARD SETBACK | = 5 FEET |
| MAXIMUM HEIGHT | = 40 FT (NOT TO EXCEED 3 STORIES) |

NOTES:

1. ALL DEED OR PLAN BEARINGS AND COORDINATES HAVE BEEN ROTATED AND CONVERTED TO NORTH AMERICAN DATUM OF 1983 PENNSYLVANIA STATE PLANE COORDINATE SYSTEM SOUTH ZONE.

2. TOPOGRAPHIC MAPPING IS A COMPILATION OF FIELD MEASUREMENTS AND GIS TOPOGRAPHIC MAPPING FROM THE PENNSYLVANIA SPATIAL DATA ACCESS WEBSITE. THE VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). CONTOUR INTERVAL 1' INSIDE PROJECT AREA, 2' OUTSIDE PROJECT AREA.

3. ALL UTILITY INFORMATION FOR THIS PLAN OF LOTS IS BASED ON AN ABOVE GROUND TOPOGRAPHICAL SURVEY AND INFORMATION PROVIDED BY THE RESPONDING UTILITY COMPANIES, PER SURFACE INSPECTION AND THE RESULTS FROM A PA ONE CALL MADE ON 08/16/2022, SERIAL NUMBER 20222283732. THE LOCATION OF SAID UTILITIES SHOULD BE CONSIDERED APPROXIMATE. NO SUBSURFACE UTILITY SURVEY OR EXPLORATION HAS BEEN MADE.

4.AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, MINIMAL FLOOD HAZARD AREA, PER FEMA FLOOD HAZARD MAP NUMBER 42003C0332H AND 42003C0351H, EFFECTIVE DATE: SEPT. 26, 2014, CITY OF PITTSBURGH, ALLEGHENY COUNTY, PA.


REGISTERED PROFESSIONAL
MARK B. SCHMIDT
LAND SURVEYOR SU-39550-E
COMMONWEALTH OF PENNSYLVANIA
X 3-7-2023

HAMPTON TECHNICAL ASSOCIATES
ENGINEERING LAND SURVEYORS
ESTABLISHED 1960
www.hampton-technical.com

☒ Corporate Office
Etna Technical Center
35 Wilson Street, Suite 201
Pittsburgh, PA 15223
PHONE: (412) 781-9660
FAX: (412) 781-5904

☐ Mars Office
123 Ridge Road, Suite B
Valencia, PA 16059
PHONE: (724) 625-4544
FAX: (724) 625-4549


| NO. | DESCRIPTION | DATE |
|---|---|---|
| | | |

PROJECT STATUS: -

DATE ISSUED: 08-16-2022

DRAWING ORIENTATION

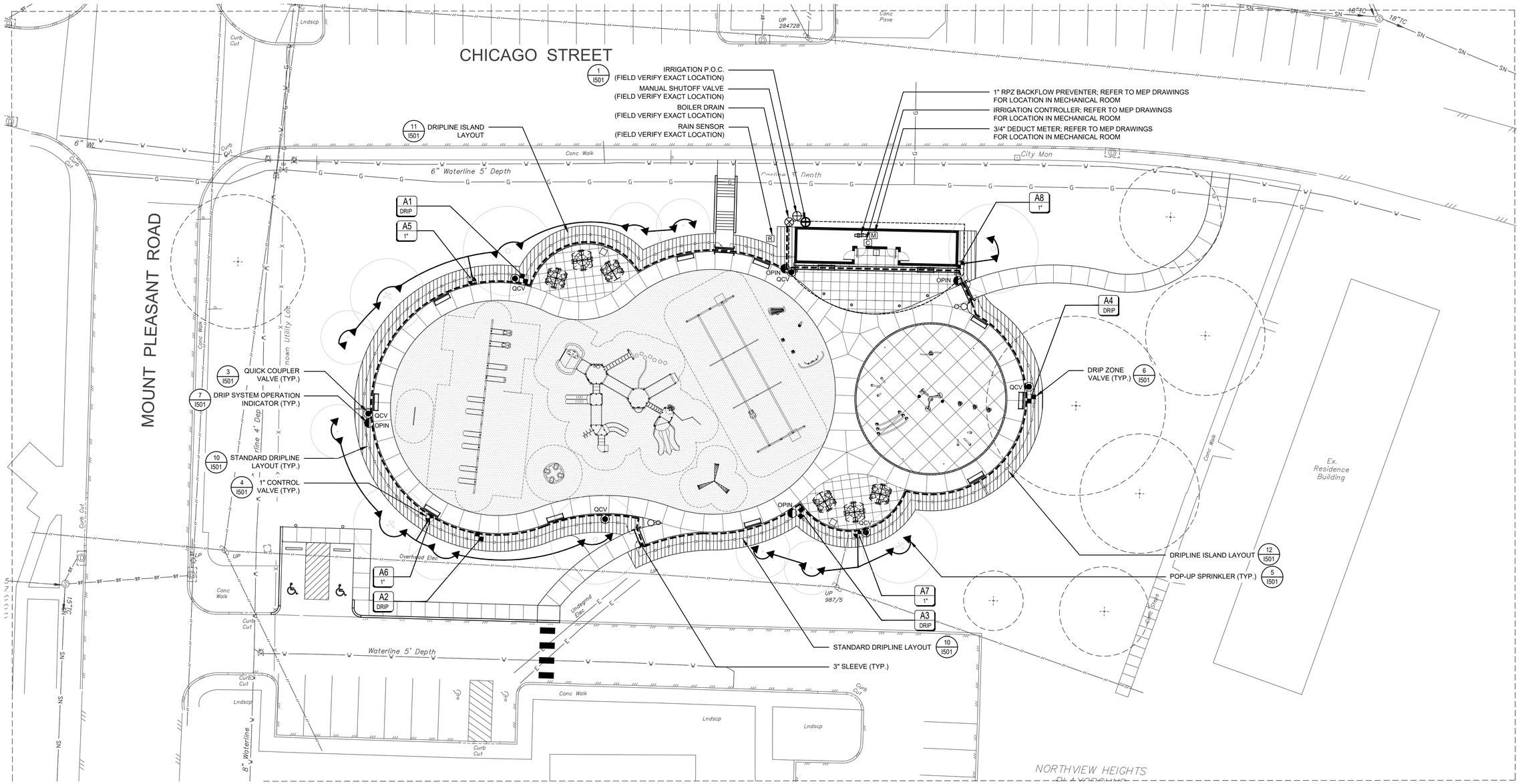
PROJECT TITLE:
**NORTHVIEW HEIGHTS PLAYGROUND**
**Existing Conditions Plan**
26th Ward, City of Pittsburgh, Allegheny County, PA

PROJECT LOCATION:
525 Mount Pleasant Road
Pittsburgh, PA 15214

CLIENT NAME & ADDRESS:
Susan Tusick, Architect
123 3rd St., Pittsburgh, PA 15238

| | |
|---|---|
| DRAWN BY: RAB | CHECKED BY: MBS |
| CAD FILE: | 22-13992.dwg |
| HORZ. SCALE: 1"=20' | VERT. SCALE: - |
| SHEET: | 1 OF - |
| PROJECT #: | 13992 |

Z:\PROJECTS\13900-13999\13992\04_Dwg\01_Survey\22-13992.dwg, VF101, 9/1/2022 10:53 AM, Robyn Brady




## 1 I101 IRRIGATION PLAN

**SCALE: 1/16" = 1'-0"**

0' 8' 16' 32' **GRAPHIC SCALE**

**NORTH**

## NOTES

1. SURVEY PREPARED BY HAMPTON TECHNICAL ASSOCIATES, INC, DATED AUGUST 16, 2022.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING INSTALLATION. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC., WHICH MAY OCCUR AS A RESULT OF CONSTRUCTION.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS NECESSARY TO COMPLETE THE WORK.
4. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES IN THE SITE SURVEY TO THE OWNER AND/OR LANDSCAPE ARCHITECT PRIOR TO STARTING ANY WORK
5. THIS SYSTEM IS DIAGRAMMATIC BASED UPON INFORMATION PROVIDED BY THE OWNER. INSTALL A SYSTEM THAT WILL PROPERLY COVER ALL AREAS INDICATED BY THE DESIGN. ANY DISCREPANCIES OR CHANGES (I.E. POC SIZE, PLANT AREAS, STATIC PRESSURE, ETC.) SHOULD BE POINTED OUT TO THE OWNER OR THE OWNER'S REPRESENTATIVE AND CHANGES MADE WITH APPROVAL.
6. THIS SYSTEM SHALL BE INSTALLED USING ACCEPTED AND QUALITY INSTALLATION STANDARDS AS USED IN THE INDUSTRY. ALL MANUFACTURERS SPECIFICATIONS TO BE FOLLOWED.
7. MAINLINE PIPING SHALL BE BURIED A MINIMUM OF 12" OF COVER AND A MAXIMUM 18" OF COVER. LATERAL LINE PIPING A MINIMUM OF 12" OF COVER. ALL BACKFILL SURROUNDING THE PIPE SHALL BE SCREENED AND CLEAR OF MATERIAL LARGER THAN 1" IN SIZE. BACKFILL SHALL BE ADDED IN 6" INCREMENTS AND MECHANICALLY TAMPED.
8. SYSTEM DESIGN IS BASED ON 50 GPM AT 70 PSI PROVIDED BY NEW 1" POINT OF CONNECTION, (SEE TAP-IN SCHEMATIC DETAIL 1/L505). IRRIGATION CONTRACTOR TO VERIFY ALL INFORMATION PRIOR TO BIDDING.
9. ALL VALVES SHALL BE IN RAIN BIRD VALVE BOXES OR APPROVED EQUAL. ALL ELECTRICAL CONNECTIONS AND SPLICES SHALL BE SEALED WITH WATERPROOF CONNECTIONS.
10. CONTROL WIRE WILL BE SOLID COPPER WIRE U.L. APPROVED FOR DIRECT BURIAL IN GROUND. IT SHALL BE TWO WIRE JACKETED WIRE AS RECOMMENDED BY RAIN BIRD. INSTALL SURGE PROTECTORS EVERY 500' OR AT THE TERMINATION OF THE WIRE.
11. PIPES ARE MARKED AT TRANSITION ONLY UNLESS OTHERWISE NOTED.
12. IRRIGATION PRODUCTS SHALL BE LISTED IN THE LEGEND AND SHALL BE SUPPLIED BY THE REGIONAL AUTHORIZED DISTRIBUTOR TO PROVIDE SINGLE SOURCE RESPONSIBILITY FOR WARRANTY SERVICE AND SUPPORT AND TO ASSURE COMPATIBILITY. NO SUBSTITUTIONS ARE ALLOWED WITHOUT FIRST SUBMITTING SUBSTITUTE PRODUCT TO OWNER OR OWNERS REPRESENTATIVE AND RECEIVING WRITTEN APPROVAL. SUBSTITUTE PRODUCTS MUST BE EQUAL IN PERFORMANCE AND CONSTRUCTION AND SHOW A COST SAVINGS TO THE OWNER. UNAPPROVED PRODUCTS SHALL BE REMOVED BY CONTRACTOR AT NO COST TO THE OWNER.
13. CONTRACTOR TO INCLUDE IN BID THE FIRST WINTERIZATION AND THE FIRST SPRING TURN ON. INSTRUCT THE STAFF ON MAINTAINING THE IRRIGATION SYSTEM AND ALL OF THE COMPONENTS THEREOF AFTER THE 1 YEAR WARRANTY PERIOD.

## LEGEND

- M — 3/4" WATER METER
- RPZ — 1" RPZ BACKFLOW PREVENTER
- C — IRRIGATION CONTROLLER TWO WIRE
- R — RAIN SENSOR
- 3" SLEEVE: PVC SCHEDULE 40
- 1" MAINLINE: PVC SCHEDULE 40
- 1" LATERAL LINE: PVC SCHEDULE 40
- IRRIGATION POINT OF CONNECTION
- BOILER DRAIN
- MANUAL SHUT OFF GATE VALVE
- S — GROUND SURGE FOR TWO WIRE SYSTEM AT CONTROLLER, EVERY 500' AND AT THE TERMINATION OF A WIRE RUN
- RAIN BIRD 1804: 4" POP-UP SPRAY WITH 4 SERIES VAN NOZZLE
- RAIN BIRD PGA-100-PRS 1" VALVE
- RAIN BIRD XCZ-100-PRF LOW FLOW DRIP CONTROL KIT, 1" DV VALVE, 1" PRESSURE REGULATING FILTER, 40 PSI PRESSURE REGULATOR. 0.2GPM - 10GPM
- QCV — RAIN BIRD 1" QUICK COUPLING VALVE
- OPIN — RAIN BIRD DRIP SYSTEM OPERATION INDICATOR KIT
- NETAFIM TLCV ON-SURFACE DRIPLINE 0.6GPH EMITTERS AT 18" O.C. DRIPLINE LATERALS SPACED AT 18" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN
- A1 — ZONE STATION NUMBER; VALVE SIZE 1.5"

Dial 8-1-1 or 1-800-242-1776 not less than 3 business days nor more than 10 business days prior to the start of excavation.

Coordinate your projects via Coordinate PA at www.paonecall.org.

Pennsylvania One Call System Serial Number _____


Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com



Drawings and Specifications, as instruments of service, are and shall remain the property of the Architect. They are not to be used on extensions of the project, or other projects, except by agreement in writing with appropriate compensation to the Architect. The General Contractor is responsible for confirming and correlating dimensions at the site, for the Architect will not be responsible for any construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the project.
© Tusick & Associates Architects, Inc.


REVISIONS

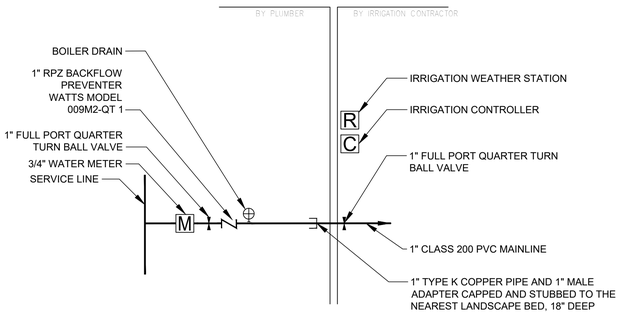
| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| ARG | DKH | XXXXXX | Feb. 14, 2023 |

Irrigation Plan

Northview Heights Playground
Mt. Pleasant Road
Pittsburgh, PA 15214

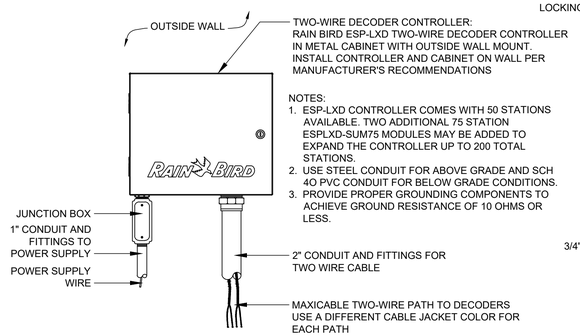
SHEET NUMBER:

I101



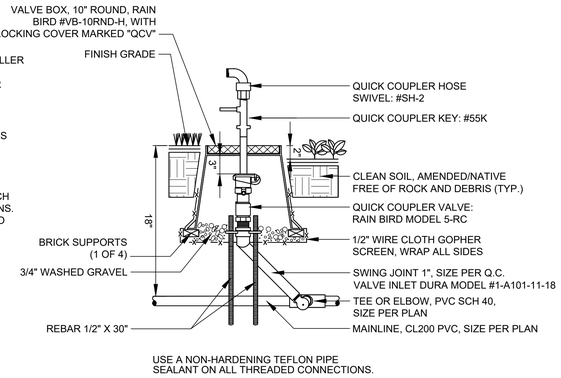

## 1 I501 POINT OF CONNECTION SCHEMATIC

**SCALE: N.T.S.**



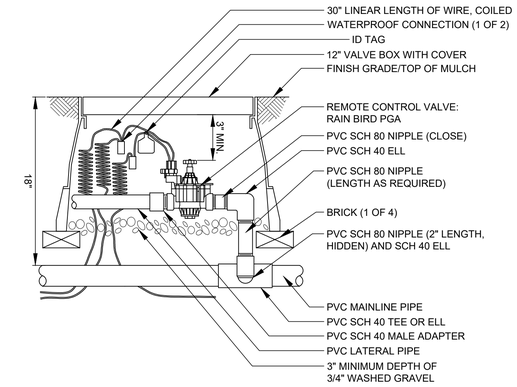

## 2 I501 IRRIGATION CONTROLLER

**SCALE: N.T.S.**



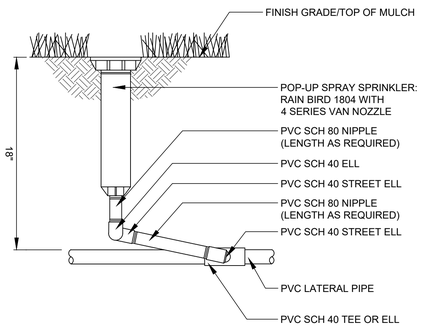

## 3 I501 1" QUICK COUPLER VALVE

**SCALE: N.T.S.**



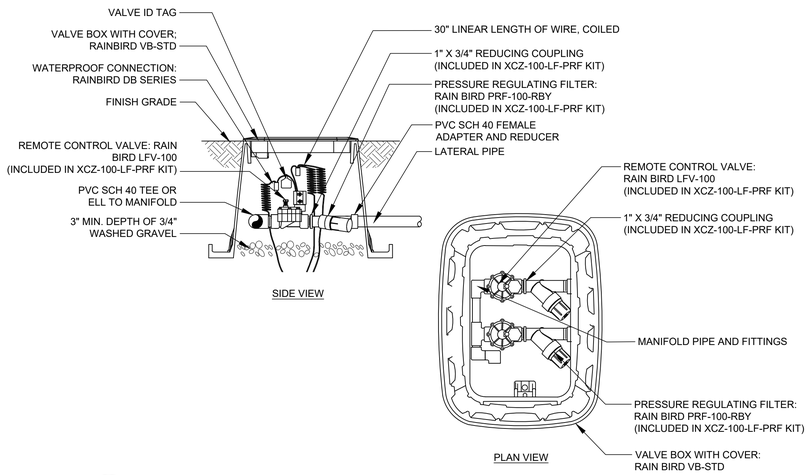

## 4 I501 1" CONTROL VALVE

**SCALE: N.T.S.**



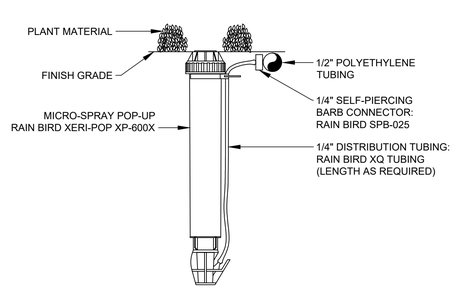

## 5 I501 POP-UP SPRINKLER

**SCALE: N.T.S.**




## 6 I501 DRIP ZONE VALVE

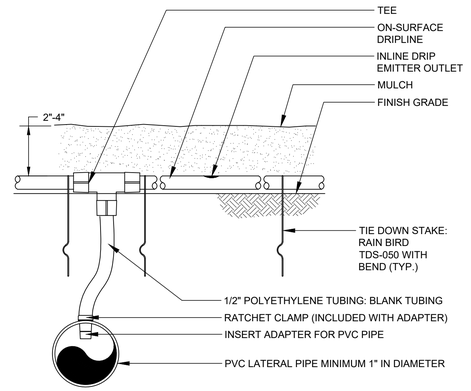
**SCALE: N.T.S.**




NOTE:
1. VAN NOZZLE SHOULD BE ADJUSTED FOR NO FLOW

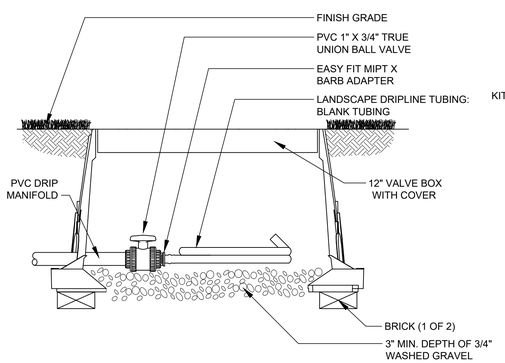
## 7 I501 DRIP SYSTEM OPERATION INDICATOR

**SCALE: N.T.S.**



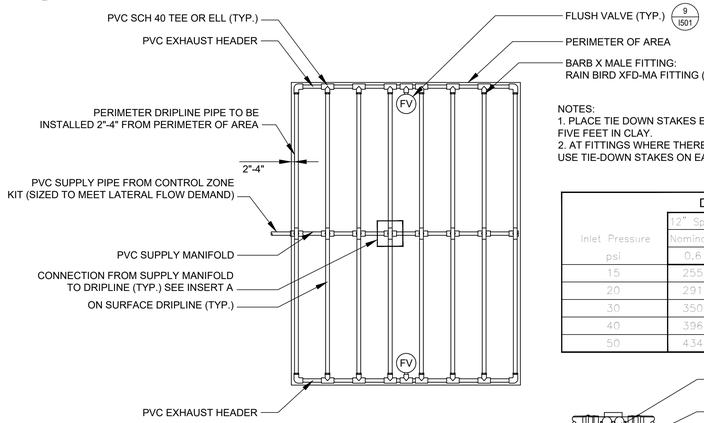

## 8 I501 PVC TO DRIPLINE INSTALLATION

**SCALE: N.T.S.**




## 9 I501 FLUSH VALVE

**SCALE: N.T.S.**




NOTES:
1. DISTANCE BETWEEN LATERAL ROWS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS AND CHANGES IN ELEVATION. SEE INSTALLATION SPECIFICATIONS ON NETAFIM WEB SITE FOR SUGGESTED SPACING.
2. LENGTH OF LONGEST DRIPLINE LATERAL SHOULD NOT EXCEED THE MAXIMUM SPACING SHOWN IN THE ACCOMPANYING TABLE.

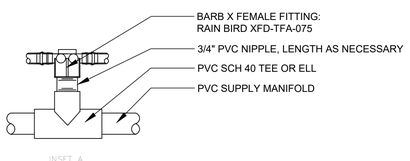
## 10 I501 STANDARD DRIPLINE LAYOUT

**SCALE: N.T.S.**

NOTES:
1. PLACE TIE DOWN STAKES EVERY THREE FEET IN SAND, F0UR FEET IN LOAM, AND FIVE FEET IN CLAY.
2. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE-DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION.

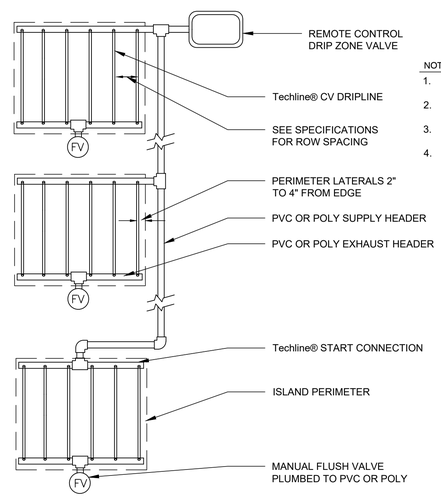
Dripline Maximum Lateral Lengths (Feet)

| Inlet Pressure psi | 12" Spacing Nominal Flow (GPH) | | 18" Spacing Nominal Flow (GPH) | | 24" Spacing Nominal Flow (GPH) | |
|---|---|---|---|---|---|---|
| | 0.6 | 0.9 | 0.6 | 0.9 | 0.6 | 0.9 |
| 15 | 255 | 194 | 357 | 273 | 448 | 343 |
| 20 | 291 | 220 | 408 | 313 | 514 | 394 |
| 30 | 350 | 266 | 494 | 378 | 622 | 478 |
| 40 | 398 | 302 | 560 | 428 | 705 | 541 |
| 50 | 434 | 333 | 614 | 470 | 775 | 594 |




## 11 I501 DRIPLINE ISLAND LAYOUT

**SCALE: N.T.S.**




NOTE:
1. RECOMMENDED MINIMUM FILTRATION: 120 MESH
2. PRESSURE AT FLUSH VALVE SHALL BE MIN 14.5 PSI
3. 2 PSI CHECK VALVE (MAX 4.6' OF WATER (ELEVATION CHANGE))
4. REFER TO MAXIMUM LENGTH OF A SINGLE LATERAL CHART

PENNSYLVANIA REGISTERED LANDSCAPE ARCHITECT

Dma Klavon

Drawings and Specifications, as instruments of service, are and shall remain the property of the Architect. They are not to be used on extensions of the project, or other projects, except by agreement in writing with appropriate compensation to the Architect. The General Contractor is responsible for confirming and correlating dimensions at the job site. Any discrepancies shall be reported to the Architect before proceeding with the work. The General Contractor is responsible for construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the project.
© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

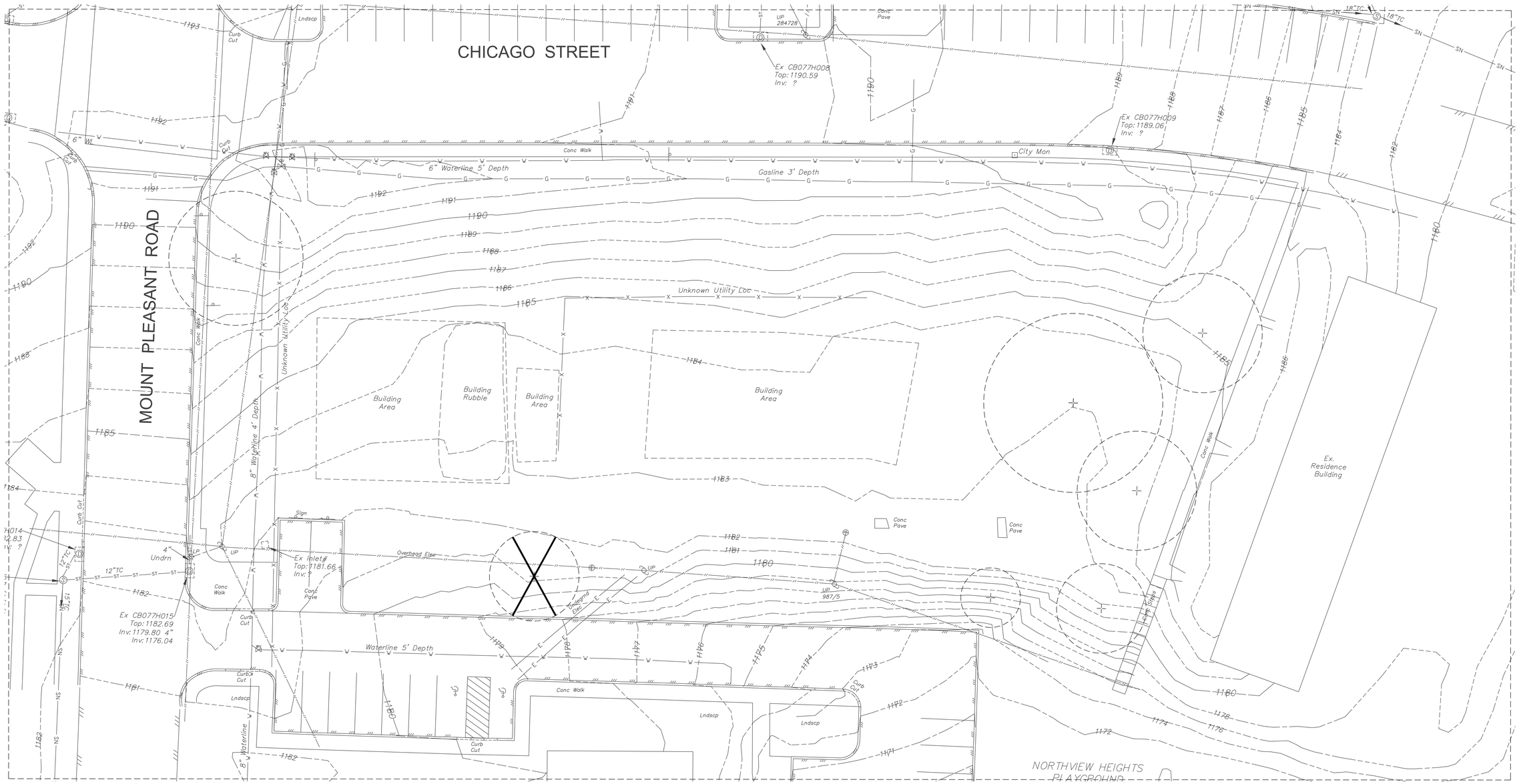
| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| ARG | DKH | XXXXXX | Feb. 14, 2023 |

Irrigation Details

Northview Heights Playground
Mt. Pleasant Road
Pittsburgh, PA 15214

SHEET NUMBER:

I501




1 L101

## EXISTING CONDITIONS PLAN

**SCALE: 1/16" = 1'-0"**

GRAPHIC SCALE 0' 8' 16' 32'

NORTH

## NOTES

1. SURVEY PREPARED BY HAMPTON TECHNICAL ASSOCIATES, INC, DATED AUGUST 16, 2022.
2. ALL DEED OR PLAN BEARINGS AND COORDINATES HAVE BEEN ROTATED AND CONVERTED TO NORTH AMERICAN DATUM OF 1983 PENNSYLVANIA STATE PLANE COORDINATE SYSTEM SOUTH ZONE.
3. TOPOGRAPHIC MAPPING IS A COMPILATION OF FIELD MEASUREMENTS AND GIS TOPOGRAPHIC MAPPING FROM THE PENNSYLVANIA SPATIAL DATA ACCESS WEBSITE. THE VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). CONTOUR INTERVAL 1' INSIDE PROJECT AREA, 2' OUTSIDE PROJECT AREA.
4. ALL UTILITY INFORMATION FOR THIS PLAN OF LOTS IS BASED ON AN ABOVE GROUND TOPOGRAPHICAL SURVEY AND INFORMATION PROVIDED BY THE RESPONDING UTILITY COMPANIES, PER SURFACE INSPECTION AND THE RESULTS FROM A PA ONE CALL MADE ON 08/16/2022, SERIAL NUMBER 20222283732. THE LOCATION OF SAID UTILITIES SHOULD BE CONSIDERED APPROXIMATE. NO SUBSURFACE UTILITY SURVEY OR EXPLORATION HAS BEEN MADE.
5. 4.AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, MINIMAL FLOOD HAZARD AREA, PER FEMA FLOOD HAZARD MAP NUMBER 42003C0332H AND 42003C0351H, EFFECTIVE DATE: SEPT. 26, 2014, CITY OF PITTSBURGH, ALLEGHENY COUNTY, PA.
6. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING INSTALLATION. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC., WHICH MAY OCCUR AS A RESULT OF CONSTRUCTION.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS NECESSARY TO COMPLETE THE WORK.

## LEGEND

- OVERHEAD ELECTRIC LINE
- UNDERGROUND ELECTRIC
- UP — UP
- GP — GUIDE WIRE
- EM — ELECTRIC METER
- ET — ELECTRIC TRANSFORMER
- LP — LIGHT POLE
- GAS LINE
- GV — GAS VALVE
- GM — GAS MARKER
- GM — GAS METER
- WATER LINE
- WV — WATER VALVE
- FH — HYDRANT
- SANITARY SEWER
- COMBINATION SEWER
- SMH — SANITARY MANHOLE
- CO — CLEANOUT
- MH — MANHOLE
- STORM SEWER
- STMH — STORM MANHOLE
- CB — CATCH BASIN
- EW — END WALL
- TMH — COMMUNICATION MANHOLE
- TB — COMMUNICATION BOX
- TV — COMMUNICATION VAULT
- EDGE OF PAVEMENT
- SURVEY MARKERS

## UTILITY INFORMATION

| WATER | GAS |
|---|---|
| PITTSBURGH WATER & SEWER AUTHORITY<br>1200 PENN AVENUE<br>PITTSBURGH, PA 15222<br>(412) 255-2409 | DOMINION PEOPLES GAS<br>625 LIBERTY AVENUE #600<br>PITTSBURGH PA 15222<br>(800) 761-0111 |
| **SEWERS** | **TELEPHONE** |
| PITTSBURGH WATER & SEWER AUTHORITY<br>1200 PENN AVENUE<br>PITTSBURGH, PA 15222<br>(412) 255-2409 | VERIZON COMMUNICATIONS<br>1000 LIBERTY AVENUE<br>PITTSBURGH, PA 15222<br>(800) 660-2215 |
| **ELECTRIC** | **CABLE TELEVISION** |
| DUQUESNE LIGHT<br>708 SMITHFIELD STREET<br>PITTSBURGH, PA 15219<br>(800) 393-7100 | COMCAST<br>294 CORLISS STREET<br>PITTSBURGH, PA 15220 (412) 875-1100 |

P.O.C.S. SERIAL NUMBER: 20222283732

**Dial 8-1-1 or 1-800-242-1776 not less than 3 business days nor more than 10 business days prior to the start of excavation.**

**Coordinate your projects via Coordinate PA at www.paonecall.org.**

**Pennsylvania One Call System Serial Number**

_____

PENNSYLVANIA REGISTERED LANDSCAPE ARCHITECT

Dma klawon

Drawings and Specifications, as instruments of service, are and shall remain the property of the Architect. They are not to be used on extensions of the project, or other projects, except by agreement in writing with appropriate compensation to the Architect. The General Contractor is responsible for confirming and correlating dimensions at the site; for information that pertains to the safe and lawful construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the project.
© Tusick & Associates Architects, Inc.


TA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com


REVISIONS

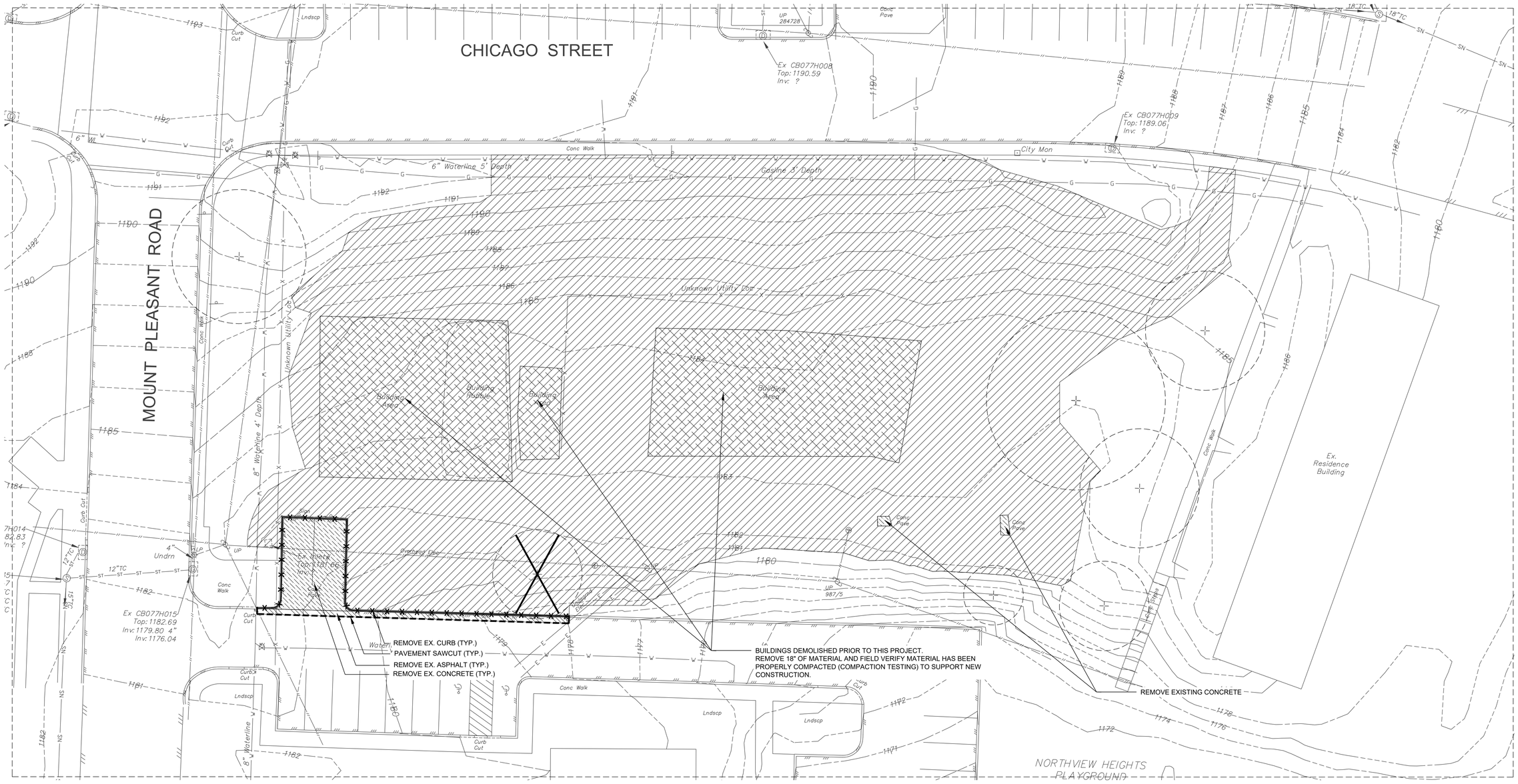
| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| ARG | DKH | XXXXXX | Feb. 14, 2023 |

Existing Conditions Plan

Northview Heights Playground
Mt. Pleasant Road
Pittsburgh, PA 15214

SHEET NUMBER:

L101




1 L102

## DEMOLITION PLAN

**SCALE: 1/16" = 1'-0"**

0' 8' 16' 32'

**GRAPHIC SCALE**

**NORTH**

## NOTES

1. SURVEY PREPARED BY HAMPTON TECHNICAL ASSOCIATES, INC, DATED AUGUST 16, 2022.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING INSTALLATION. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC., WHICH MAY OCCUR AS A RESULT OF CONSTRUCTION.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS NECESSARY TO COMPLETE THE WORK.
4. INLETS SHALL BE MAINTAINED SO AS NOT TO ALLOW ANY SEDIMENT OR DEBRIS TO PREVENT THE FLOW OF WATER INTO THE INLETS. ANY OBSTRUCTIONS TO THE PIPE SHOULD BE REMOVED.
5. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES IN THE SITE SURVEY TO THE OWNER AND/OR LANDSCAPE ARCHITECT PRIOR TO STARTING ANY WORK
6. AT ALL LOCATIONS WHERE EXISTING CURBING, BITUMINOUS, CONCRETE ROADWAY OR CONCRETE SIDEWALK ABUT NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENTS SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE.
7. WHERE NEW PAVING OR EARTHWORK MEETS EXISTING PAVING OR EARTHWORK SMOOTHLY BLEND LINE AND GRADE OF EXISTING WITH NEW.
8. GENERAL CONTRACTOR TO FINE GRADE ALL DISTURBED BEDS & PLANTING AREAS IN PREPARATION FOR LANDSCAPE CONTRACTOR.
9. REFER TO SPECIFICATIONS FOR SITE MATERIAL SELECTIONS.

## LEGEND

- REMOVE EXISTING LAWN
- REMOVE EXISTING CONCRETE
- REMOVE EXISTING ASPHALT
- REMOVE EXISTING BUILDING MATERIAL
- REMOVE EXISTING CURB
- PAVEMENT SAWCUT
- REMOVE EXISTING TREE

**Family Recreational Area: L102 Demolition Plan**

Site grading Notes & Callouts:

- The amount of Cubic Yards **2,500.**
- The slope **9%.**
- Easement for each utility is **Off Site.**
- Address and confirm the encroachment or alterations . **No Excavation of contour from encroachment existing site.**
- Note if we exceed 10,000 Sq Ft. Total = **19,723 Sq Ft.**
- Removal of Vegetation, Trees and/or Ground Cover. **Cone tree & grass**
- Surface mining exceeding 50 cubic yards. Confirm **N/A.**
- Remediation of a landslide. Confirm Remediation **N/A.**

Dial 8-1-1 or 1-800-242-1776 not less than 3 business days nor more than 10 business days prior to the start of excavation.

Coordinate your projects via Coordinate PA at www.paonecall.org.

Pennsylvania One Call System Serial Number

_____

PENNSYLVANIA REGISTERED LANDSCAPE ARCHITECT

Dina Klavon

Drawings and Specifications, as instruments of service, are and shall remain the property of the Architect. They are not to be used on extensions of the project, or other projects, except by agreement in writing with appropriate compensation to the Architect.The General Contractor is responsible for confirming and correlating dimensions at the site and for the safety precautions and programs in connection with the construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the project.
© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

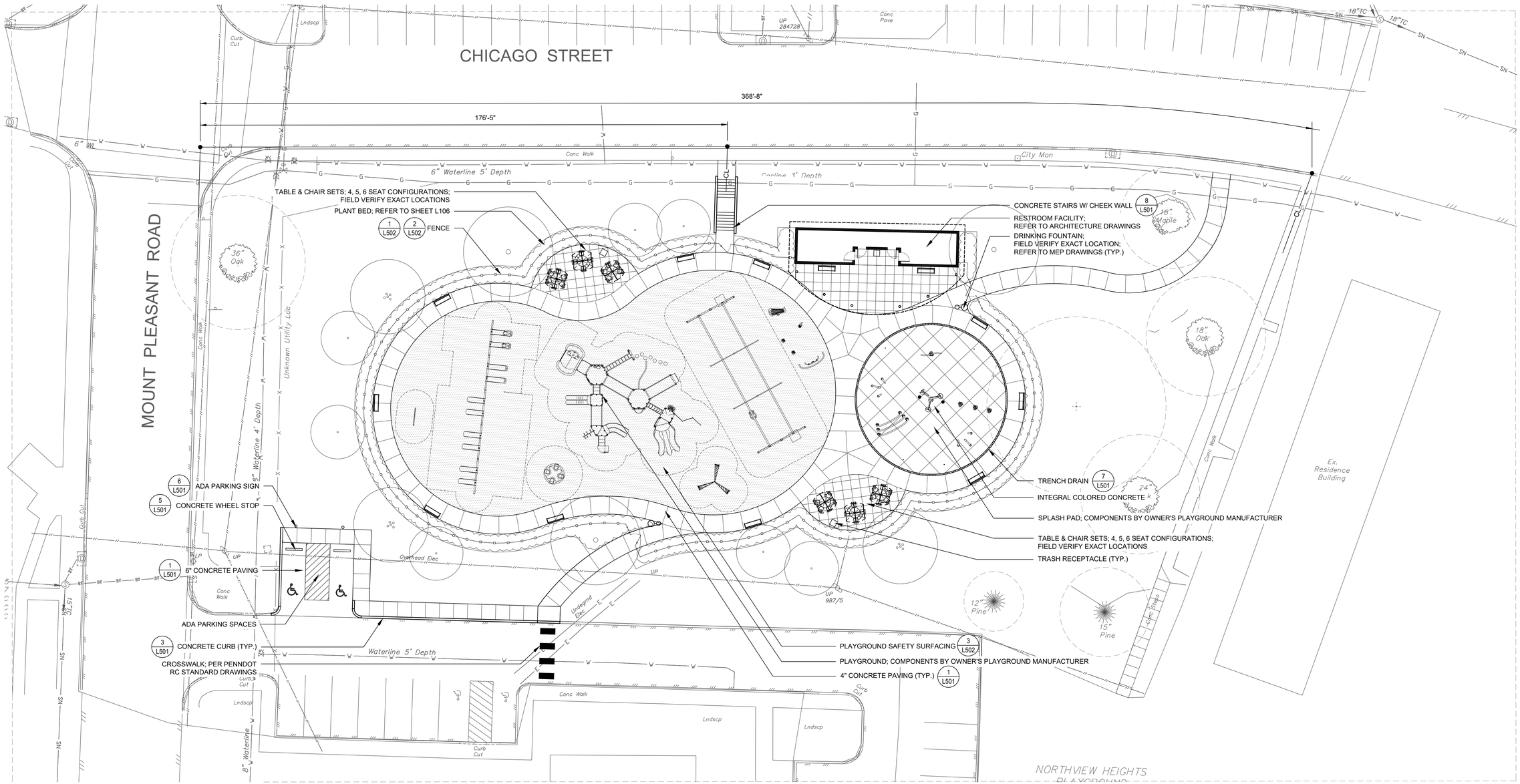
| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| ARG | DKH | XXXXXX | Feb. 14, 2023 |

Demolition Plan

Northview Heights Playground
Mt. Pleasant Road
Pittsburgh, PA 15214

SHEET NUMBER:

L102




1 L103 **SITE PLAN**

**SCALE: 1/16" = 1'-0"**

0' 8' 16' 32' **GRAPHIC SCALE**

**NORTH**

## NOTES

1. SURVEY PREPARED BY HAMPTON TECHNICAL ASSOCIATES, INC, DATED AUGUST 16, 2022.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING INSTALLATION. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC., WHICH MAY OCCUR AS A RESULT OF CONSTRUCTION.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS NECESSARY TO COMPLETE THE WORK.
4. INLETS SHALL BE MAINTAINED SO AS NOT TO ALLOW ANY SEDIMENT OR DEBRIS TO PREVENT THE FLOW OF WATER INTO THE INLETS. ANY OBSTRUCTIONS TO THE PIPE SHOULD BE REMOVED.
5. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES IN THE SITE SURVEY TO THE OWNER AND/OR LANDSCAPE ARCHITECT PRIOR TO STARTING ANY WORK
6. AT ALL LOCATIONS WHERE EXISTING CURBING, BITUMINOUS, CONCRETE ROADWAY OR CONCRETE SIDEWALK ABUT NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENTS SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE.
7. WHERE NEW PAVING OR EARTHWORK MEETS EXISTING PAVING OR EARTHWORK SMOOTHLY BLEND LINE AND GRADE OF EXISTING WITH NEW.
8. GENERAL CONTRACTOR TO FINE GRADE ALL DISTURBED BEDS & PLANTING AREAS IN PREPARATION FOR LANDSCAPE CONTRACTOR.
9. REFER TO SPECIFICATIONS FOR SITE MATERIAL SELECTIONS.

## LEGEND

- PROPOSED CONCRETE PAVING
- PROPOSED PLAYGROUND SAFETY SURFACING
- PROPOSED CONCRETE CURB
- PROPOSED FENCE
- PROPOSED TRENCH DRAIN
- PROPOSED TABLE & CHAIRS WITH SHADE CANOPY
- PROPOSED BENCH
- PROPOSED TRASH RECEPTACLE
- PROPOSED DRINKING FOUNTAIN
- EXISTING TREE TO REMAIN
- PROPOSED TREE
- PROPOSED SHRUB PLANTINGS

Dial 8-1-1 or 1-800-242-1776 not less than 3 business days nor more than 10 business days prior to the start of excavation.

Coordinate your projects via Coordinate PA at www.paonecall.org.

Pennsylvania One Call System Serial Number

_____

PENNSYLVANIA REGISTERED LANDSCAPE ARCHITECT

Dina Klavon

Drawings and Specifications, as instruments of service, are and shall remain the property of the Architect. They are not to be used on extensions of the project, or other projects, except by agreement in writing with appropriate compensation to the Architect. The General Contractor is responsible for confirming and correlating dimensions at the site. Do not scale the drawings. Refer to details and for construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the project.
© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

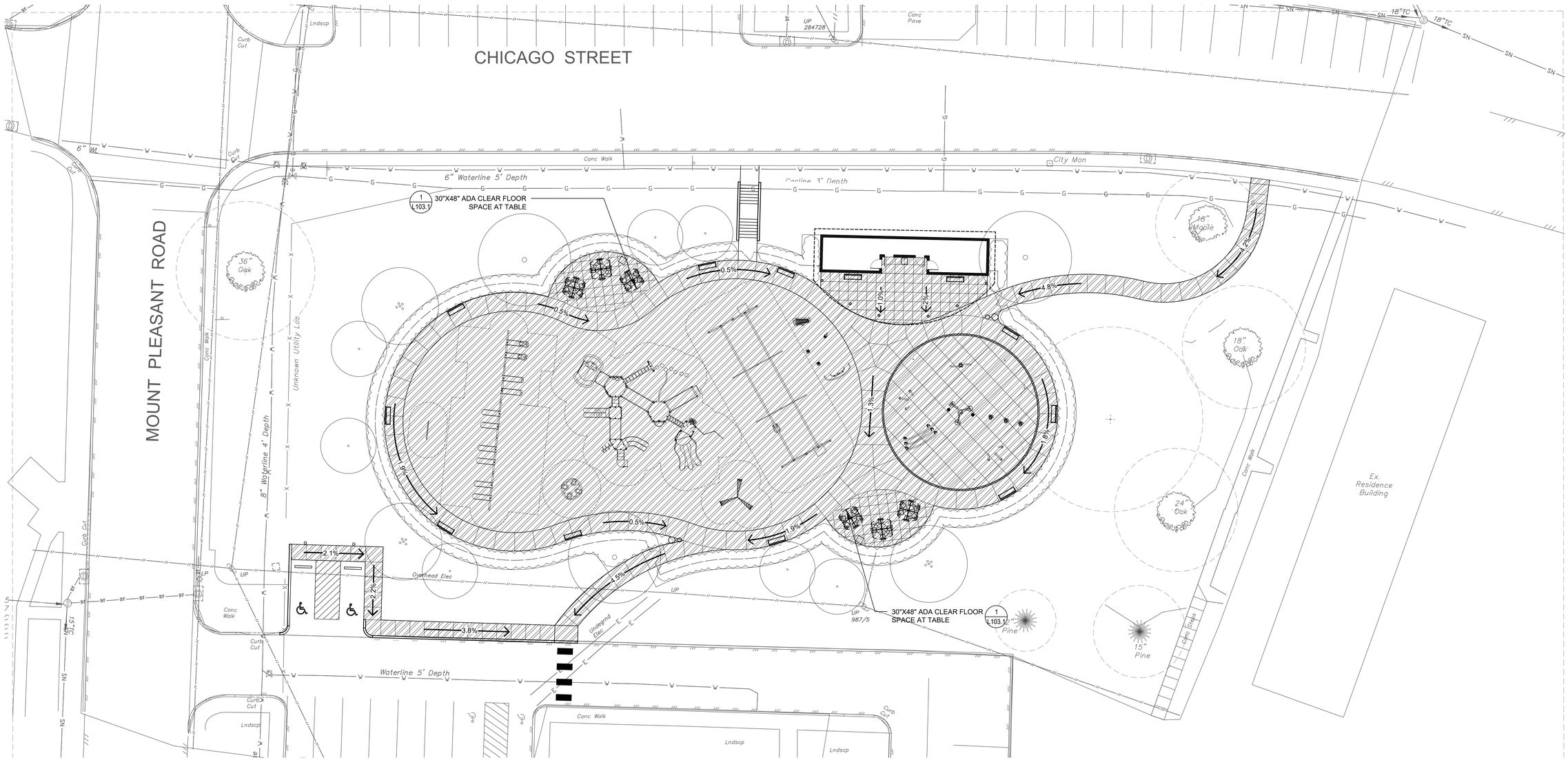
| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| ARG | DKH | XXXXXX | Feb. 14, 2023 |

Site Plan

Northview Heights Playground
Mt. Pleasant Road
Pittsburgh, PA 15214

SHEET NUMBER:

L103




1 L103.1

## ADA ACCESSIBILITY PLAN

**SCALE: 1/16" = 1'-0"**

0' 8' 16' 32'

**GRAPHIC SCALE**

**NORTH**

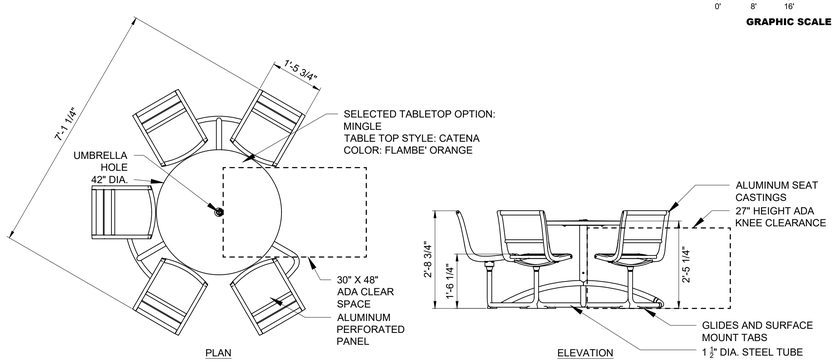
## NOTES

1. SURVEY PREPARED BY HAMPTON TECHNICAL ASSOCIATES, INC, DATED AUGUST 16, 2022.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING INSTALLATION. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC., WHICH MAY OCCUR AS A RESULT OF CONSTRUCTION.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS NECESSARY TO COMPLETE THE WORK.
4. INLETS SHALL BE MAINTAINED SO AS NOT TO ALLOW ANY SEDIMENT OR DEBRIS TO PREVENT THE FLOW OF WATER INTO THE INLETS. ANY OBSTRUCTIONS TO THE PIPE SHOULD BE REMOVED.
5. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES IN THE SITE SURVEY TO THE OWNER AND/OR LANDSCAPE ARCHITECT PRIOR TO STARTING ANY WORK
6. AT ALL LOCATIONS WHERE EXISTING CURBING, BITUMINOUS, CONCRETE ROADWAY OR CONCRETE SIDEWALK ABUT NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENTS SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE.
7. WHERE NEW PAVING OR EARTHWORK MEETS EXISTING PAVING OR EARTHWORK SMOOTHLY BLEND LINE AND GRADE OF EXISTING WITH NEW.
8. GENERAL CONTRACTOR TO FINE GRADE ALL DISTURBED BEDS & PLANTING AREAS IN PREPARATION FOR LANDSCAPE CONTRACTOR.
9. REFER TO SPECIFICATIONS FOR SITE MATERIAL SELECTIONS.

## LEGEND

ADA-ACCESSIBLE HARDSCAPE

5% PERCENT SLOPE




NOTE: TABLE TO BE SURFACE MOUNTED.

1 L103.1

## ACCESSIBLE FURNITURE DETAIL

**SCALE: 1/2" = 1'-0"**

**Dial 8-1-1 or 1-800-242-1776 not less than 3 business days nor more than 10 business days prior to the start of excavation.**

**Coordinate your projects via Coordinate PA at www.paonecall.org.**

**Pennsylvania One Call System Serial Number**

_____

PENNSYLVANIA REGISTERED LANDSCAPE ARCHITECT

Dina Klavon

Drawings and Specifications, as instruments of service, are and shall remain the property of the Architect. They are not to be used on extensions of the project, or other projects, except by agreement in writing with appropriate compensation to the Architect. The General Contractor is responsible for confirming and correlating dimensions at the site, and for coordinating the work with the work of all construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the project.
© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

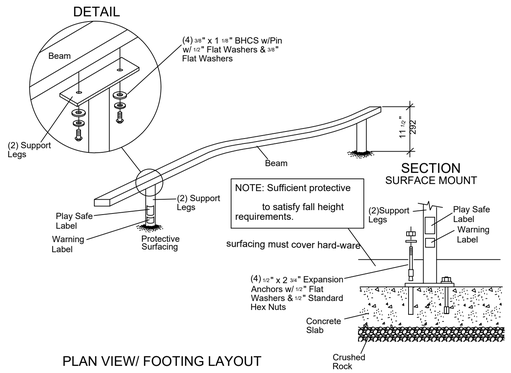
| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| ARG | DKH | XXXXXX | Feb. 14, 2023 |

ADA Accessibility Plan

Northview Heights Playground
Mt. Pleasant Road
Pittsburgh, PA 15214

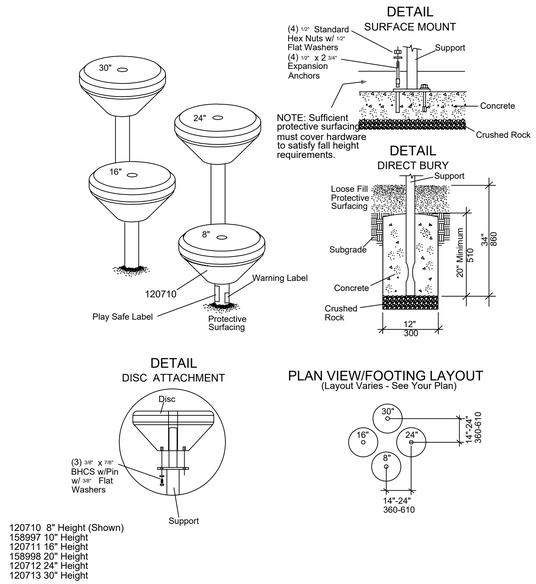
SHEET NUMBER:

L103.1



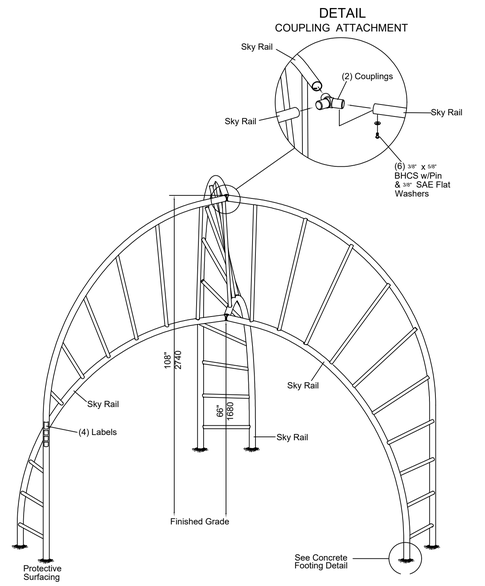

1 L103.2 **Curved Balance Beam**

SCALE: NTS



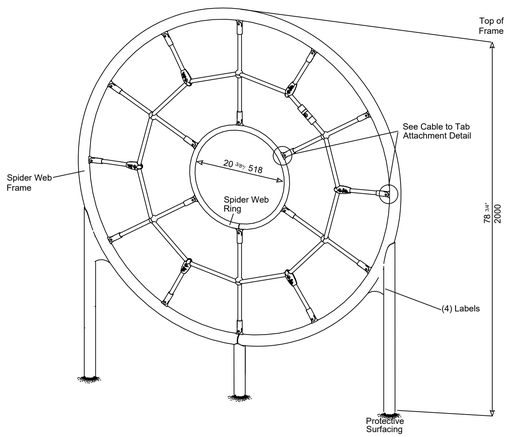

2 L103.2 **Pod Climbers**

SCALE: NTS



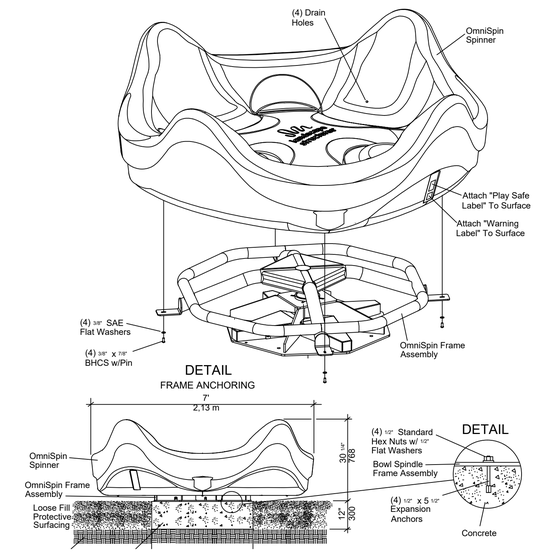

3 L103.2 **Sky Rail Climber**

SCALE: NTS



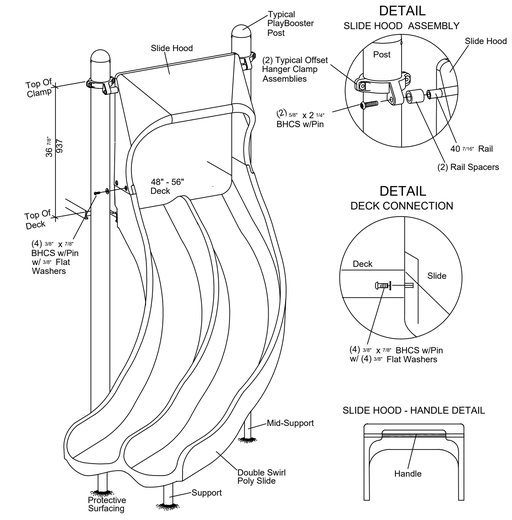

4 L103.2 **Spider Web Climber**

SCALE: NTS




5 L103.2 **OmniSpin® Spinner**

SCALE: NTS




6 L103.2 **Double Swirl Slide**

SCALE: NTS

NOTE: ALL DETAILS ON THIS SHEET DEVELOPED BY LANDSCAPE STRUCTURES. PHONE: (763) 972-5200

## 2009 ICC A117.1 Accessible and Usable Buildings & Facilities.

The specifications in this standard make sites, facilities, buildings, and elements accessible to and usable by people with such physical disabilities as the inability to walk, difficulty walking, reliance on walking aids, blindness and visual impairment, deafness, and hearing impairment, in coordination, reaching and manipulation disabilities, lack of stamina, difficulty interpreting and reacting to sensory information, and extremes of physical size. The intent of this standard is to allow a person with physical disability to independently get to, enter, and use a site, facility, building, or element.

These new recreational criteria are intended to provide a level of coordination between the accessible provisions of this standard and the revised Americans with Disabilities Act (ADA/ABA AG).

402 Accessible Routes
402.2 Components. Accessible routes shall consist of one or more of the following components: Walking surfaces with a slope not steeper than 1 :20, doors and doorways, ramps, curb ramps excluding the flared sides.

403 Walking Surfaces
403.1 General. Walking surfaces that are a part of an accessible route shall comply with Section 403.
403.2 Floor Surface. Floor surfaces shall comply with Section 302.
403.3 Slope. The running slope of walking surfaces shall not be steeper than 1 :20. The cross slope of a walking surface shall not be steeper than 1 :48.

307.3 Post-Mounted Objects. Objects on posts or pylons shall be permitted to overhang 4 inches (100 mm) maximum where more than 27 inches (685 mm) and not more than 80 inches.

307.4 Vertical Clearance. The vertical clearance shall be 80 inches.

308 Reach Ranges 308.2 Forward Reach.
308.2.1 Unobstructed. Where a forward reach is unobstructed, the high forward reach shall be 48 inches (1220 mm) maximum and the low forward reach shall be 15 inches (380 mm) minimum above the floor.

PENNSYLVANIA REGISTERED LANDSCAPE ARCHITECT

DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE USED ON EXTENSIONS OF THE PROJECT OR ON OTHER PROJECTS WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE ARCHITECT. COMPENSATION TO THE ARCHITECT THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONDITIONS AND OPERATIONS ON THE PROJECT AT THE JOB SITE. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES; OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE PROJECT.

© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

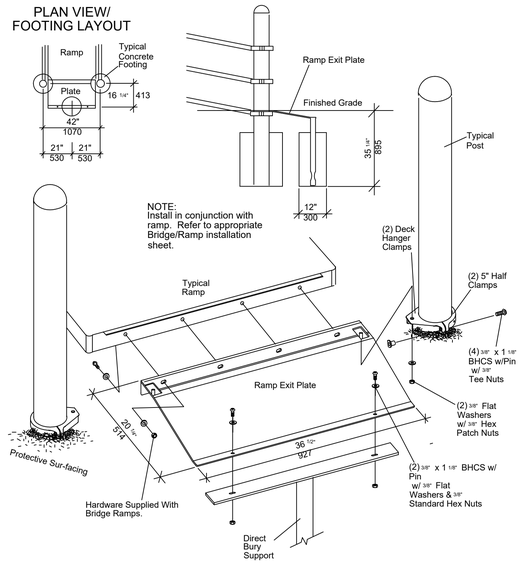
| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| ARG | SBT | 06/04/24 | 06/04/24 |

# Accessible Playground, Details & Elevations

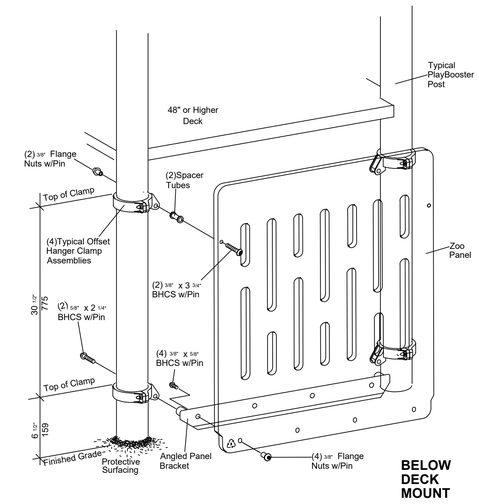
HACP NVH - Family Recreational Area
525 Mt Pleasent Road,
Pittsburgh, PA 15214

SHEET NUMBER:

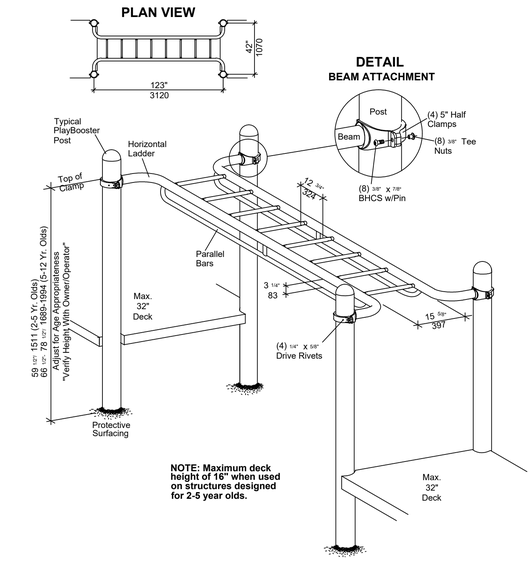
L103.2



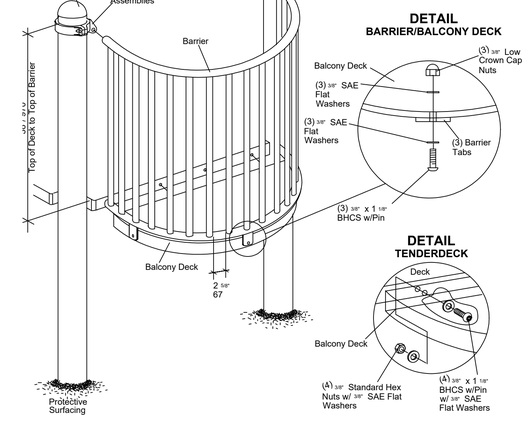

1 L103.3 Ramp Exit Plate
SCALE: NTS



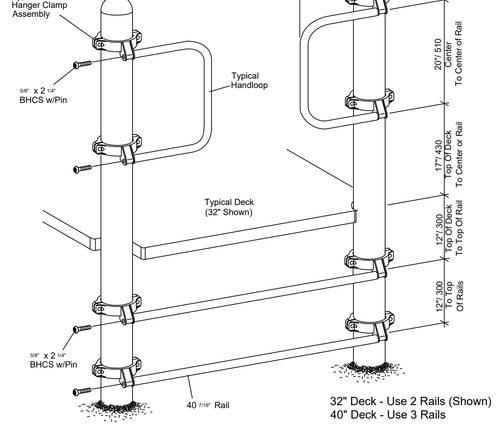

2 L103.3 Zoo Panel
SCALE: NTS



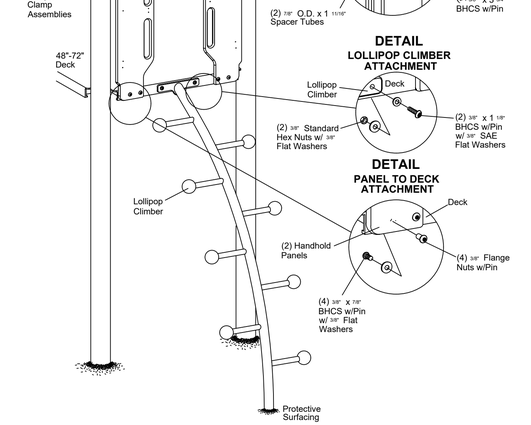

3 L103.3 Overhead Parallel Bar
SCALE: NTS




4 L103.3 Balcony Deck
SCALE: NTS




5 L103.3 Rail/Handloop Assembly
SCALE: NTS




6 L103.3 Lollipop Climber
SCALE: NTS

NOTE: ALL DETAILS ON THIS SHEET DEVELOPED BY LANDSCAPE STRUCTURES. PHONE: (763) 972-5200

**2009 ICC A117.1 Accessible and Usable Buildings & Facilities.**

The specifications in this standard make sites, facilities, buildings, and elements accessible to and usable by people with such physical disabilities as the inability to walk, difficulty walking, reliance on walking aids, blindness and visual impairment, deafness, and hearing impairment, in coordination, reaching and manipulation disabilities, lack of stamina, difficulty interpreting and reacting to sensory information, and extremes of physical size. The intent of this standard is to allow a person with physical disability to independently get to, enter, and use a site, facility, building, or element.

These new recreational criteria are intended to provide a level of coordination between the accessible provisions of this standard and the revised Americans with Disabilities Act (ADA/ABA AG).

402 Accessible Routes
402.2 Components. Accessible routes shall consist of one or more of the following components: Walking surfaces with a slope not steeper than 1 :20, doors and doorways, ramps, curb ramps excluding the flared sides.

403 Walking Surfaces
403.1 General. Walking surfaces that are a part of an accessible route shall comply with Section 403.
403.2 Floor Surface. Floor surfaces shall comply with Section 302.
403.3 Slope. The running slope of walking surfaces shall not be steeper than 1 :20. The cross slope of a walking surface shall not be steeper than 1 :48.

307.3 Post-Mounted Objects. Objects on posts or pylons shall be permitted to overhang 4 inches (100 mm) maximum where more than 27 inches (685 mm) and not more than 80 inches.

307.4 Vertical Clearance. The vertical clearance shall be 80 inches.

308 Reach Ranges 308.2 Forward Reach.
308.2.1 Unobstructed. Where a forward reach is unobstructed, the high forward reach shall be 48 inches (1220 mm) maximum and the low forward reach shall be 15 inches (380 mm) minimum above the floor.

PENNSYLVANIA REGISTERED LANDSCAPE ARCHITECT

DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE USED ON EXTENSIONS OF THE PROJECT OR ON OTHER PROJECTS EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO THE ARCHITECT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL DIMENSIONS AT THE JOB SITE. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE PROJECT.

© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

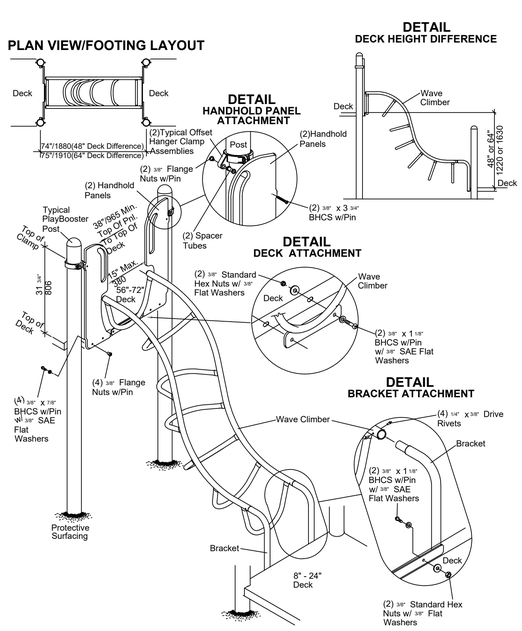
| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| ARG | SBT | 06/04/24 | 06/04/24 |

Accessible Playground, Details & Elevations

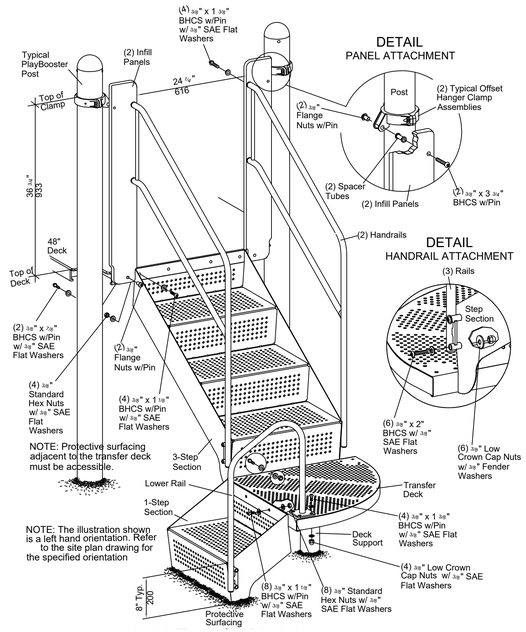
HACP NVH - Family Recreational Area
525 Mt Pleasent Road,
Pittsburgh, PA 15214

SHEET NUMBER:

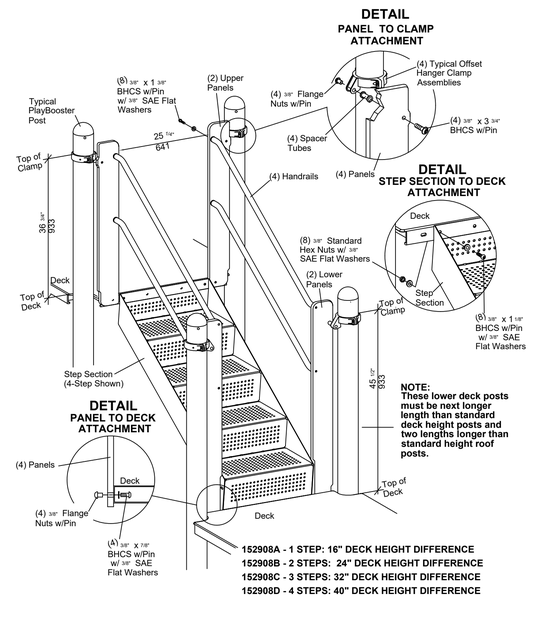
L103.3



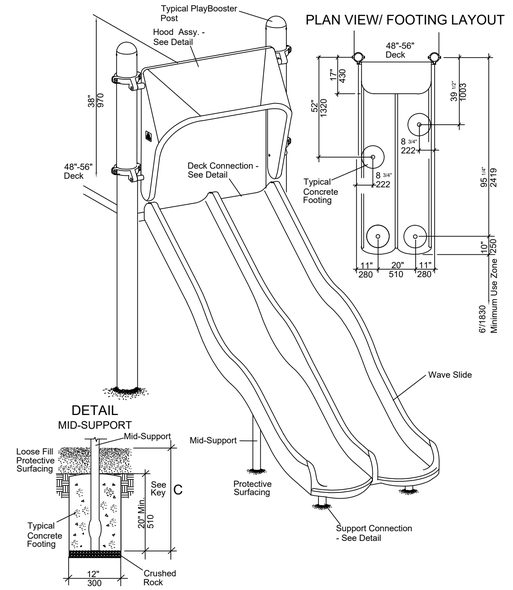

1 L103.4 Wave Climber
SCALE: NTS



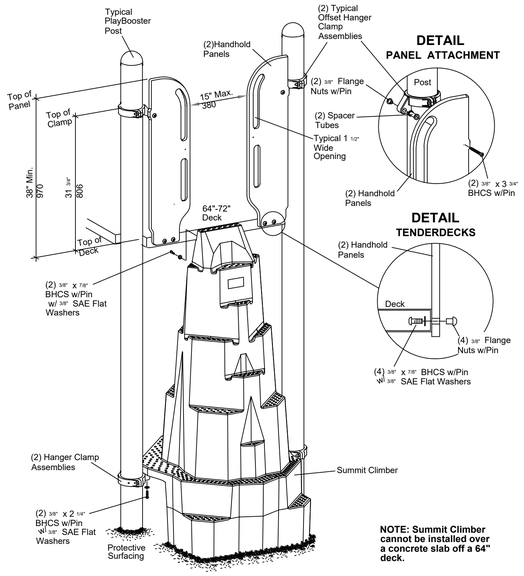

2 L103.4 Transfer Module with Handrails
SCALE: NTS



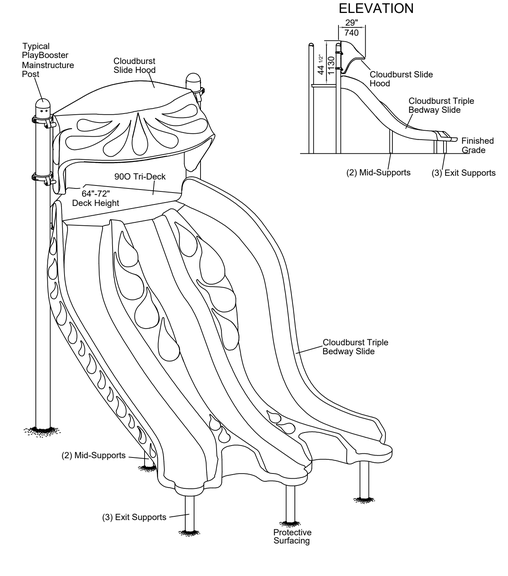

3 L103.4 Deck Link w. Handrails
SCALE: NTS




4 L103.4 Double Wave Slide
SCALE: NTS




5 L103.4 Summit Climber™
SCALE: NTS




6 L103.4 Cloudburst® Slide
SCALE: NTS

NOTE: ALL DETAILS ON THIS SHEET DEVELOPED BY LANDSCAPE STRUCTURES. PHONE: (763) 972-5200

**2009 ICC A117.1 Accessible and Usable Buildings & Facilities.**

The specifications in this standard make sites, facilities, buildings, and elements accessible to and usable by people with such physical disabilities as the inability to walk, difficulty walking, reliance on walking aids, blindness and visual impairment, deafness, and hearing impairment, in coordination, reaching and manipulation disabilities, lack of stamina, difficulty interpreting and reacting to sensory information, and extremes of physical size. The intent of this standard is to allow a person with physical disability to independently get to, enter, and use a site, facility, building, or element.

These new recreational criteria are intended to provide a level of coordination between the accessible provisions of this standard and the revised Americans with Disabilities Act (ADA/ABA AG).

402 Accessible Routes
402.2 Components. Accessible routes shall consist of one or more of the following components: Walking surfaces with a slope not steeper than 1 :20, doors and doorways, ramps, curb ramps excluding the flared sides.

403 Walking Surfaces
403.1 General. Walking surfaces that are a part of an accessible route shall comply with Section 403.
403.2 Floor Surface. Floor surfaces shall comply with Section 302.
403.3 Slope. The running slope of walking surfaces shall not be steeper than 1 :20. The cross slope of a walking surface shall not be steeper than 1 :48.

307.3 Post-Mounted Objects. Objects on posts or pylons shall be permitted to overhang 4 inches (100 mm) maximum where more than 27 inches (685 mm) and not more than 80 inches.

307.4 Vertical Clearance. The vertical clearance shall be 80 inches.

308 Reach Ranges 308.2 Forward Reach.
308.2.1 Unobstructed. Where a forward reach is unobstructed, the high forward reach shall be 48 inches (1220 mm) maximum and the low forward reach shall be 15 inches (380 mm) minimum above the floor.

PENNSYLVANIA REGISTERED LANDSCAPE ARCHITECT
Dina Klavon

DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE USED ON EXTENSIONS OF THE PROJECT OR OTHER PROJECTS WITHOUT THE EXPRESS WRITTEN CONSENT OF THE ARCHITECT. COMPENSATION TO THE ARCHITECT THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONFORMING AND COORDINATING THE WORK PERFORMED ON THE JOB SITE. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES; OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE PROJECT.

Tusick & Associates Architects, Inc.

TAA

Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

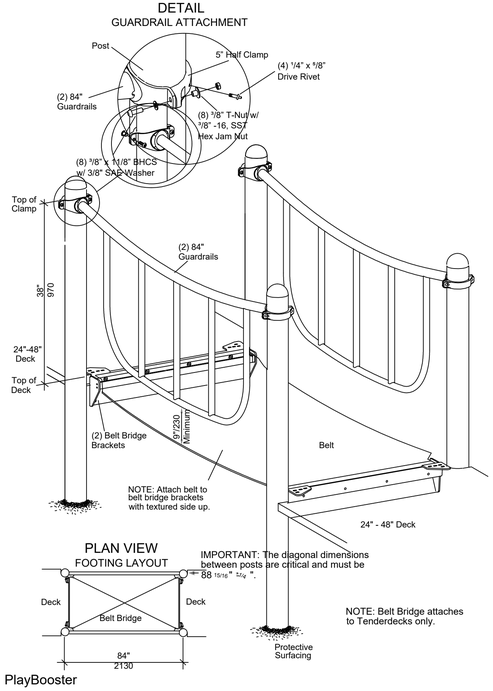
| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| ARG | SBT | 06/04/24 | 06/04/24 |

# Accessible Playground, Details & Elevations

HACP NVH - Family Recreational Area
525 Mt Pleasent Road,
Pittsburgh, PA 15214

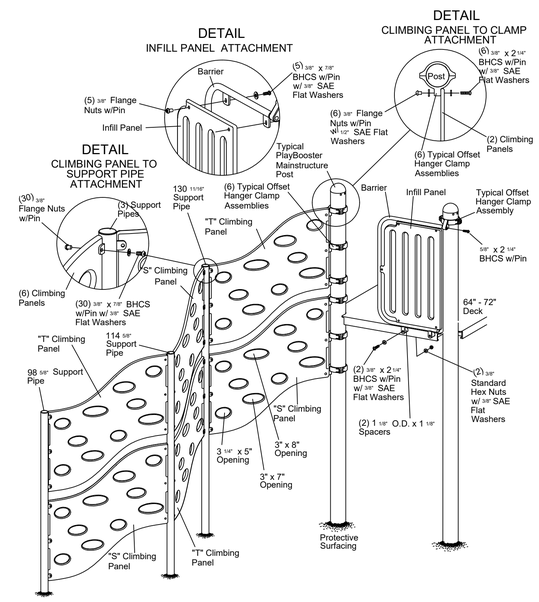
SHEET NUMBER:

L103.4

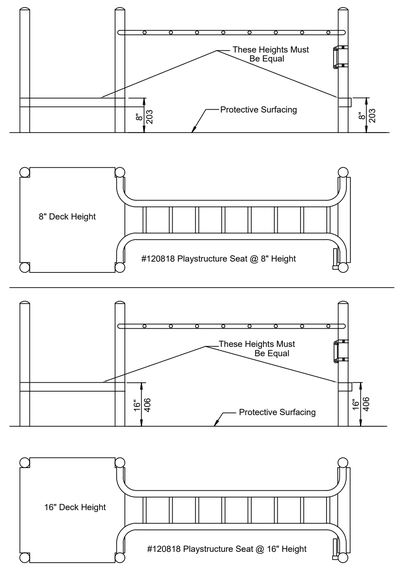



PlayBooster

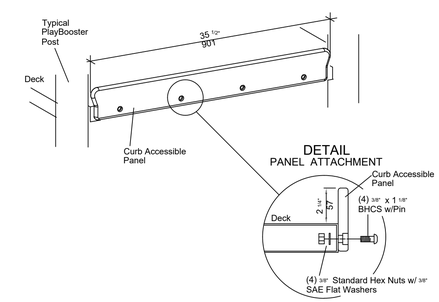
1 L103.5 **Belt Bridge**
SCALE: NTS



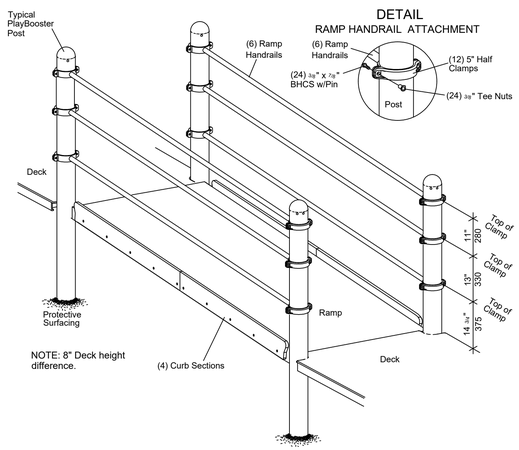

2 L103.5 **3-Panel Cascade Climber**
SCALE: NTS



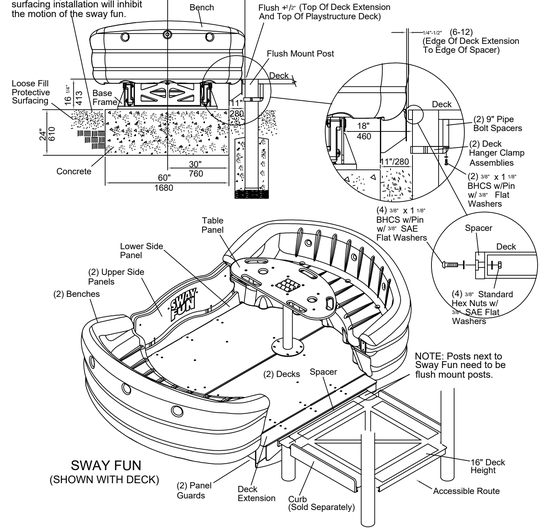

3 L103.5 **Access/Landing Seat**
SCALE: NTS




4 L103.5 **Reach Panel Curb**
SCALE: NTS




5 L103.5 **ASTM Ramp with Guardrail/Handrail**
SCALE: NTS




6 L103.5 **Sway Fun® Glider**
SCALE: NTS

NOTE: ALL DETAILS ON THIS SHEET DEVELOPED BY LANDSCAPE STRUCTURES. PHONE: (763) 972-5200

**2009 ICC A117.1 Accessible and Usable Buildings & Facilities.**

The specifications in this standard make sites, facilities, buildings, and elements accessible to and usable by people with such physical disabilities as the inability to walk, difficulty walking, reliance on walking aids, blindness and visual impairment, deafness, and hearing impairment, in coordination, reaching and manipulation disabilities, lack of stamina, difficulty interpreting and reacting to sensory information, and extremes of physical size. The intent of this standard is to allow a person with physical disability to independently get to, enter, and use a site, facility, building, or element.

These new recreational criteria are intended to provide a level of coordination between the accessible provisions of this standard and the revised Americans with Disabilities Act (ADA/ABA AG).

402 Accessible Routes
402.2 Components. Accessible routes shall consist of one or more of the following components: Walking surfaces with a slope not steeper than 1 :20, doors and doorways, ramps, curb ramps excluding the flared sides.

403 Walking Surfaces
403.1 General. Walking surfaces that are a part of an accessible route shall comply with Section 403.
403.2 Floor Surface. Floor surfaces shall comply with Section 302.
403.3 Slope. The running slope of walking surfaces shall not be steeper than 1 :20. The cross slope of a walking surface shall not be steeper than 1 :48.

307.3 Post-Mounted Objects. Objects on posts or pylons shall be permitted to overhang 4 inches (100 mm) maximum where more than 27 inches (685 mm) and not more than 80 inches.

307.4 Vertical Clearance. The vertical clearance shall be 80 inches.

308 Reach Ranges 308.2 Forward Reach.
308.2.1 Unobstructed. Where a forward reach is unobstructed, the high forward reach shall be 48 inches (1220 mm) maximum and the low forward reach shall be 15 inches (380 mm) minimum above the floor.

PENNSYLVANIA REGISTERED LANDSCAPE ARCHITECT

DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE USED ON EXTENSIONS OR THE PROJECT OR OTHER PROJECTS EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO THE ARCHITECT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL DATA AT THE JOB SITE. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE PROJECT.

© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

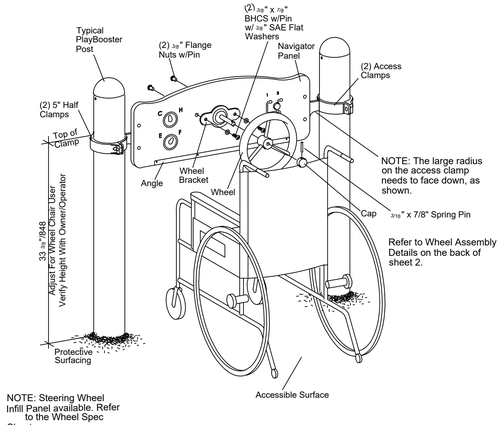
| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| ARG | SBT | 06/04/24 | 06/04/24 |

# Accessible Playground, Details & Elevations

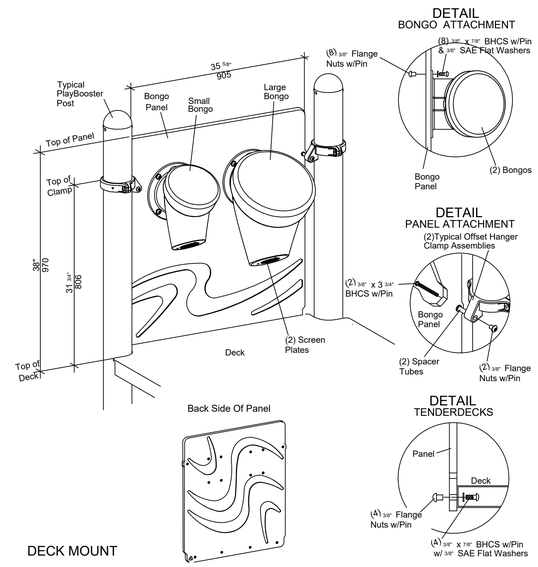
HACP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214

SHEET NUMBER:

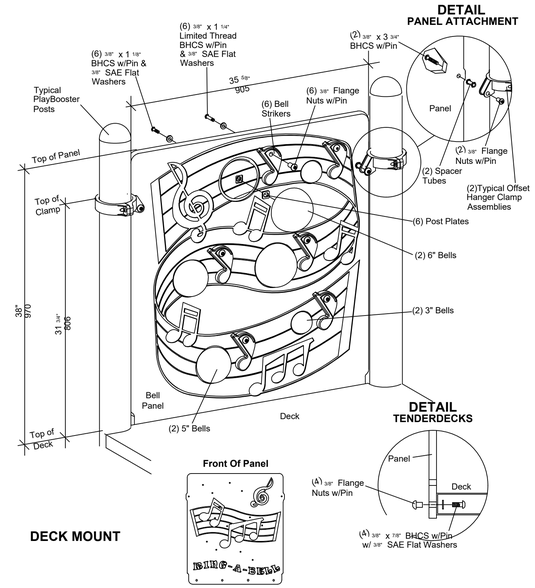
L103.5




1 L103.6 Navigator Panel
SCALE: NTS




2 L103.6 Bongo Panel®
SCALE: NTS




3 L103.6 Ring-a-Bell Panel
SCALE: NTS




**Clamp/Panel Height Table**

| Below Deck | A |
|---|---|
| 48" | 6 1/4" 159 |
| 56" And Higher | 14 1/2" 368 |

4 L103.6 Color Splash Panel™
SCALE: NTS




NOTE:
The Optigear Panel is preassembled at the factory.

5 L103.6 OptiGear Panel®
SCALE: NTS

NOTE: ALL DETAILS ON THIS SHEET DEVELOPED BY LANDSCAPE STRUCTURES. PHONE: (763) 972-5200

**2009 ICC A117.1 Accessible and Usable Buildings & Facilities.**

The specifications in this standard make sites, facilities, buildings, and elements accessible to and usable by people with such physical disabilities as the inability to walk, difficulty walking, reliance on walking aids, blindness and visual impairment, deafness, and hearing impairment, in coordination, reaching and manipulation disabilities, lack of stamina, difficulty interpreting and reacting to sensory information, and extremes of physical size. The intent of this standard is to allow a person with physical disability to independently get to, enter, and use a site, facility, building, or element.

These new recreational criteria are intended to provide a level of coordination between the accessible provisions of this standard and the revised Americans with Disabilities Act (ADA/ABA AG).

402 Accessible Routes
402.2 Components. Accessible routes shall consist of one or more of the following components: Walking surfaces with a slope not steeper than 1 :20, doors and doorways, ramps, curb ramps excluding the flared sides.

403 Walking Surfaces
403.1 General. Walking surfaces that are a part of an accessible route shall comply with Section 403.
403.2 Floor Surface. Floor surfaces shall comply with Section 302.
403.3 Slope. The running slope of walking surfaces shall not be steeper than 1 :20. The cross slope of a walking surface shall not be steeper than 1 :48.

307.3 Post-Mounted Objects. Objects on posts or pylons shall be permitted to overhang 4 inches (100 mm) maximum where more than 27 inches (685 mm) and not more than 80 inches.

307.4 Vertical Clearance. The vertical clearance shall be 80 inches.

308 Reach Ranges 308.2 Forward Reach.
308.2.1 Unobstructed. Where a forward reach is unobstructed, the high forward reach shall be 48 inches (1220 mm) maximum and the low forward reach shall be 15 inches (380 mm) minimum above the floor.

PENNSYLVANIA REGISTERED LANDSCAPE ARCHITECT

Dana Klavon

DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE USED ON EXTENSIONS OF THE PROJECT OR ON OTHER PROJECTS EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO THE ARCHITECT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, AND THE JOB SITE. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE PROJECT.

© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

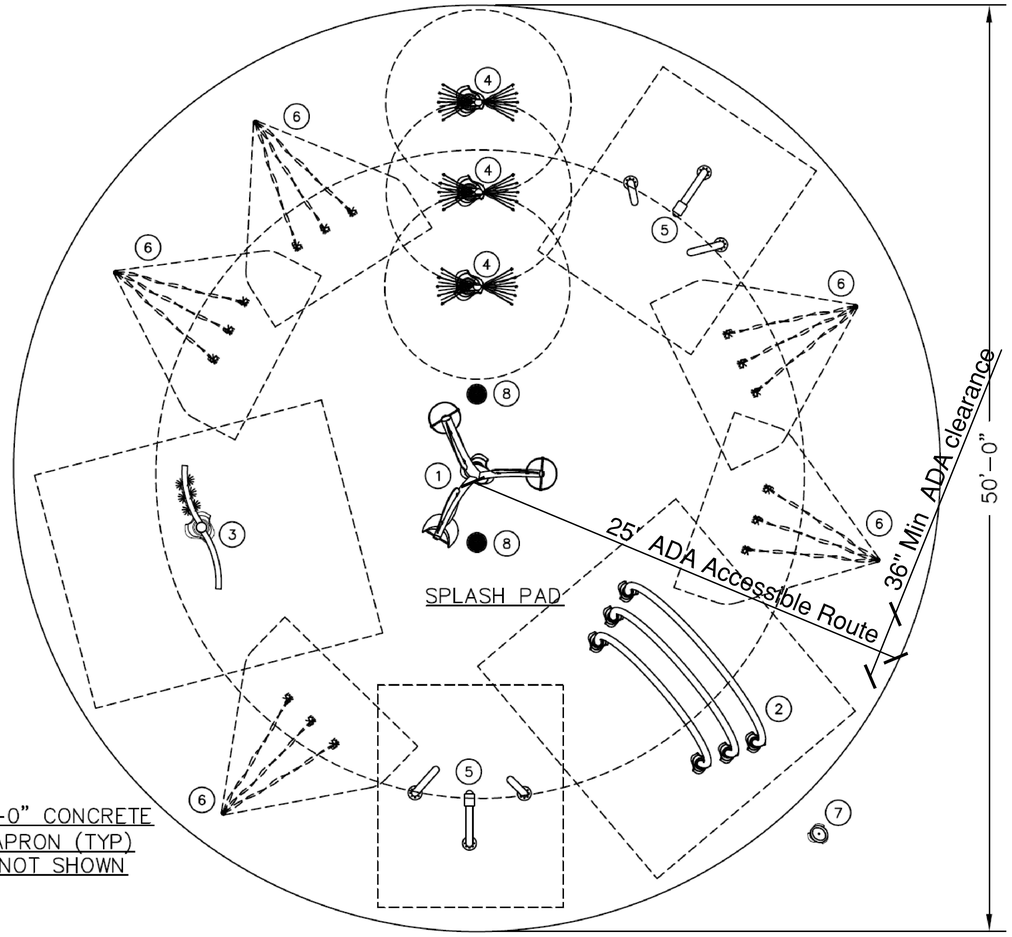
DRAWN BY ARG
CHECKED BY SBT
DATE ISSUED 06/04/24
DATE PRINTED 06/04/24

# Accessible Playground, Details & Elevations

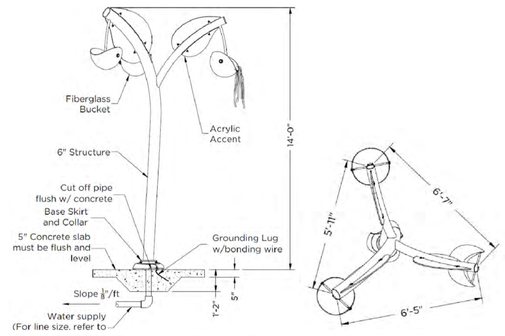
HACP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214

SHEET NUMBER:

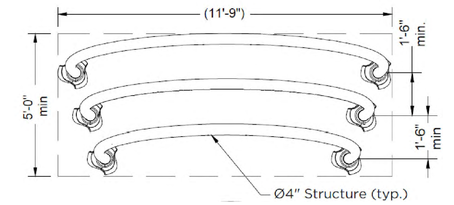
L103.6



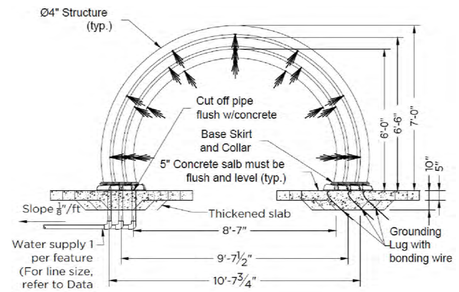

1 L103.7 Splash Pad Area - Ground Mounted Plan
SCALE: NTS




2 L103.7 Bucket Trio with Acrylic Plan
SCALE: NTS




3 L103.7 Ripplerun Plan
SCALE: NTS




4 L103.7 Ripplerun Plan
SCALE: NTS

**2009 ICC A117.1 Accessible and Usable Buildings & Facilities.**

The specifications in this standard make sites, facilities, buildings, and elements accessible to and usable by people with such physical disabilities as the inability to walk, difficulty walking, reliance on walking aids, blindness and visual impairment, deafness, and hearing impairment, in coordination, reaching and manipulation disabilities, lack of stamina, difficulty interpreting and reacting to sensory information, and extremes of physical size. The intent of this standard is to allow a person with physical disability to independently get to, enter, and use a site, facility, building, or element.

These new recreational criteria are intended to provide a level of coordination between the accessible provisions of this standard and the revised Americans with Disabilities Act (ADA/ABA AG).

402 Accessible Routes
402.2 Components. Accessible routes shall consist of one or more of the following components: Walking surfaces with a slope not steeper than 1 :20, doors and doorways, ramps, curb ramps excluding the flared sides.

403 Walking Surfaces
403.1 General. Walking surfaces that are a part of an accessible route shall comply with Section 403.
403.2 Floor Surface. Floor surfaces shall comply with Section 302.
403.3 Slope. The running slope of walking surfaces shall not be steeper than 1 :20. The cross slope of a walking surface shall not be steeper than 1 :48.

307.3 Post-Mounted Objects. Objects on posts or pylons shall be permitted to overhang 4 inches (100 mm) maximum where more than 27 inches (685 mm) and not more than 80 inches.

307.4 Vertical Clearance. The vertical clearance shall be 80 inches.

308 Reach Ranges 308.2 Forward Reach.
308.2.1 Unobstructed. Where a forward reach is unobstructed, the high forward reach shall be 48 inches (1220 mm) maximum and the low forward reach shall be 15 inches (380 mm) minimum above the floor.

**Aquavator** is a structure that has a low voltage touch sensor within the cap of the bollard. When patrons touch the top of the bollard a signal will go to the control panel to activate water flow. Activation bollards activate the entire splash pad features or designed zoned areas.

- Stainless steel 4" diameter structure with 150 lb mounting flange
- Mounting hardware
- Touch sensor
- 2 piece base skirt
- 2 piece collar

## Design Details

*Surface finishes and/or site furnishings shown are conceptual and provided by others.

**Proposed Color Palette**

Paint Colors

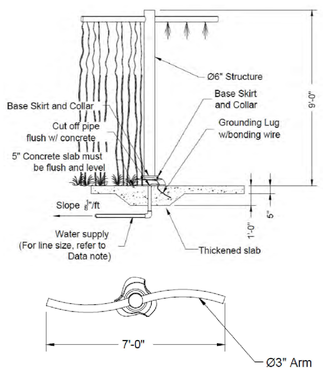
Acrylic Colors

**Project Details**

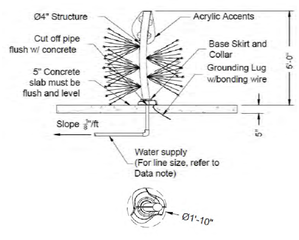
Dimensions
50'-0" Diameter

Total System Flow Rate
100 GPM

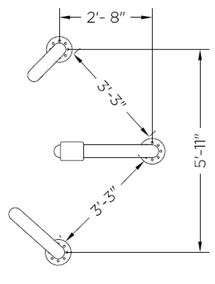
Note: Refer to Play Components - Equipment Manufacturing Products & Specifications. PDF



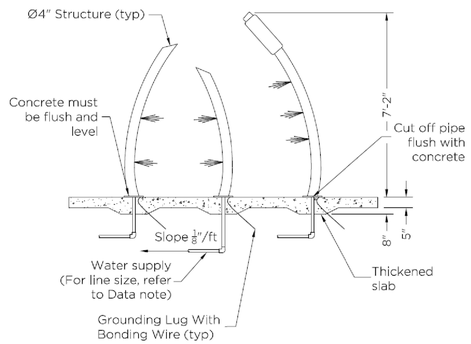

5 L103.7 Uniflow Plan & Elevation
SCALE: NTS



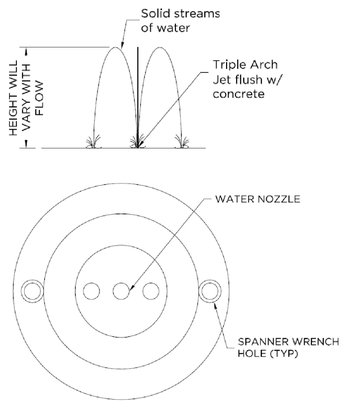

6 L103.7 Vaporarc Acrylic Plan & Elev.
SCALE: NTS



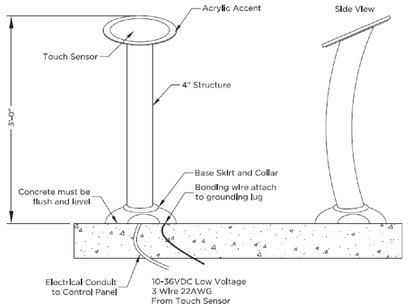

7 L103.7 Reeds Top Plan
SCALE: NTS




8 L103.7 Reeds Elevation
SCALE: NTS




9 L103.7 Triple Arch Jet Nozzle Top Plan & Elev.
SCALE: NTS




10 L103.7 Aquavator Elevation
SCALE: NTS


TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com



DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE USED ON EXTENSIONS OF THE PROJECT OR OTHER PROJECTS WITHOUT THE EXPRESS WRITTEN CONSENT OF THE ARCHITECT. COMPENSATION TO THE ARCHITECT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL DIMENSIONS AT THE JOB SITE. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE PROJECT.


© Tusick & Associates Architects, Inc.

REVISIONS

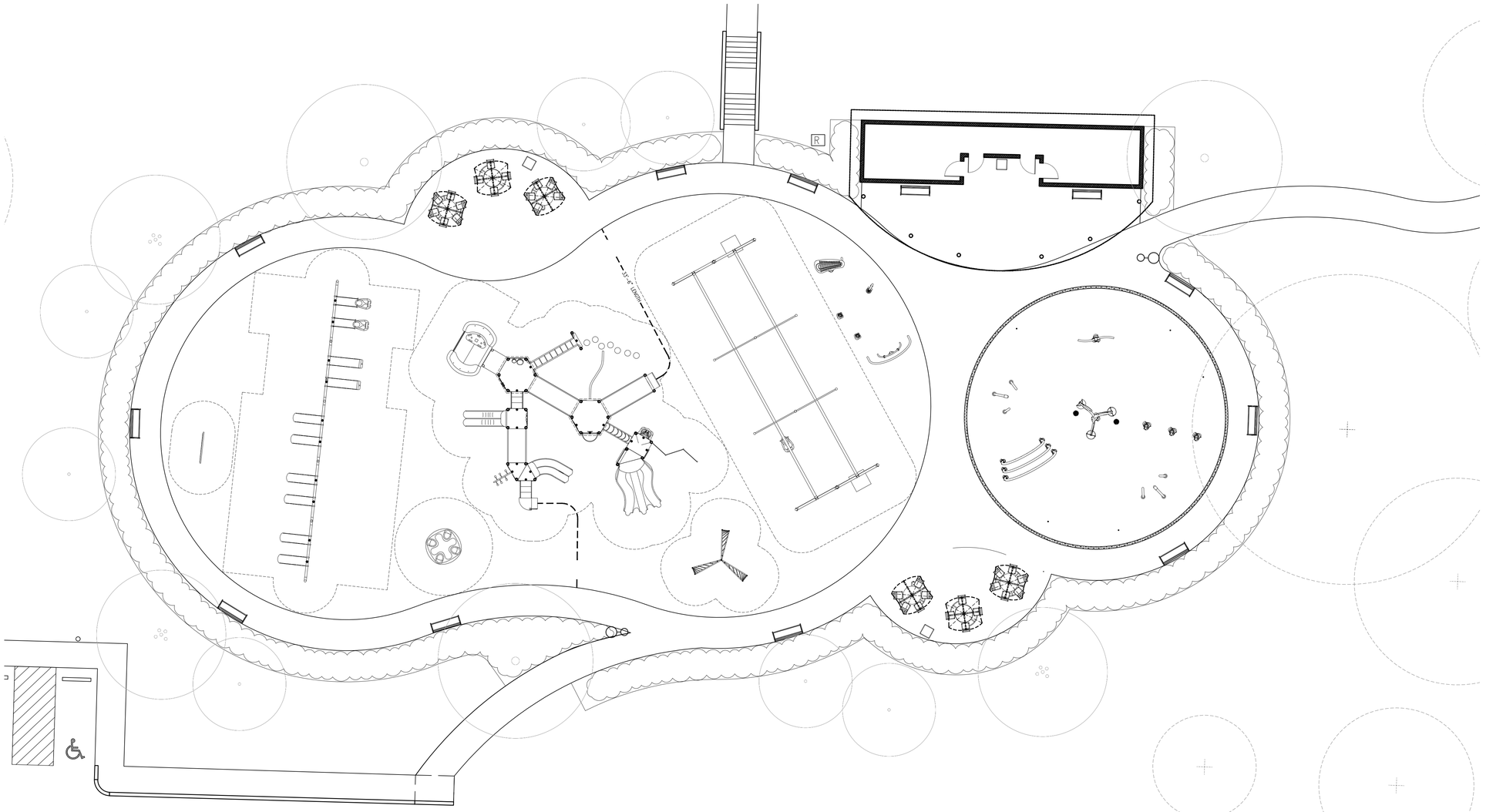
| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| ARG | SBT | 06/04/24 | 06/04/24 |

# Accessible Splash Pad, Details & Elevations

HACP NVH - Family Recreational Area
525 Mt Pleasent Road,
Pittsburgh, PA 15214

SHEET NUMBER:

L103.7




| | |
|---|---|
| TOTAL ELEVATED PLAY COMPONENTS | |
| TOTAL ELEVATED COMPONENTS ACCESSIBLE BY RAMP | REQUIRED |
| TOTAL ELEVATED COMPONENTS ACCESSIBLE BY TRANSFER | REQUIRED |
| TOTAL ACCESSIBLE GROUND LEVEL COMPONENTS SHOWN | REQUIRED |
| TOTAL DIFFERENT TYPES OF GROUND LEVEL COMPONENTS | REQUIRED |

landscape structures

THIS LAYOUT INCLUDES FITNESS EQUIPMENT FOR USERS OVER 1400MM. IT IS THE MANUFACTURERS OPIONION AND INTENT THAT THE USE AND LAYOUT OF THESE COMPONENTS CONFORM WITH THE EUROPEAN STANDARD, EN 16630

THIS PLAY AREA & PLAY EQUIPMENT IS DESIGNED FOR AGES YEARS YR/MO UNLESS OTHERWISE NOTED ON PLAN.

IT IS THE MANUFACTURERS OPINION THAT THIS PLAY AREA DOES CONFORM TO THE A.D.A. ACCESSIBILITY STANDARDS, ASSUMING AN ACCESSIBLE PROTECTIVE SURFACING IS PROVIDED, AS INDICATED, OR WITHIN THE ENTIRE USE ZONE.

THIS CONCEPTUAL PLAN WAS BASED ON INFORMATION AVAILABLE TO US. PRIOR TO CONSTRUCTION, DETAILED SITE INFORMATION INCLUDING SITE DIMENSIONS, TOPOGRAPHY EXISTING UTILITIES, SOIL CONDITIONS, AND DRAINAGE SOLUTIONS SHOULD BE OBTAINED, EVALUATED, & UTILIZED IN THE FINAL DESIGN. PLEASE VERIFY ALL DIMENSIONS OF PLAY AREA, SIZE, ORIENTATION, AND LOCATION OF ALL EXISTING UTILITIES, EQUIPMENT, AND SITE FURNISHINGS PRIOR TO ORDERING. SLIDES SHOULD NOT FACE THE HOT AFTERNOON SUN.

CHOOSE A PROTECTIVE SURFACING MATERIAL THAT HAS A CRITICAL HEIGHT VALUE TO MEET THE MAXIMUM FALL HEIGHT FOR THE EQUIPMENT (REF. ASTM F1487 STANDARD CONSUMER SAFETY PERFORMANCE SPECIFICATION FOR PLAYGROUND EQUIPMENT FOR PUBLIC USE, SECTION 8 CURRENT REVISION). THE SUBSURFACE MUST BE WELL DRAINED. IF THE SOIL DOES NOT DRAIN NATURALLY IT MUST BE TILED OR SLOPED 1/8" TO 1/4" PER FOOT TO A STORM SEWER OR A "FRENCH DRAIN".

ACCESSIBLE/PROTECTIVE SURFACING TO BE A COMBINATION OF UNITARY AND LOOSE FILL MATERIALS.
TYPES

IT IS THE MANUFACTURER'S OPINION AND INTENT THAT THE LAYOUT OF THESE COMPONENTS CONFORM WITH THE U.S. CONSUMER PRODUCT SAFETY COMMISSION'S (CPSC) "HANDBOOK FOR PUBLIC PLAYGROUND SAFETY".

DESIGNED BY:
INTLS

COPYRIGHT: COPYRIGHT_DATE
LANDSCAPE STRUCTURES, INC.
601 7th STREET SOUTH – P.O. BOX 198
DELANO, MINNESOTA 55328
PH: 1-800-328-0035 FAX: 1-763-972-6091

| DATE | DWG | INITIALS |
|---|---|---|
| DATE | DWG | INITIALS |
| DATE | DWG | INITIALS |
| Date | Previous Drawing # | Initials |

SCALE IN FEET: 0' 5' 10' 20' 40'

PROJ1
PROJ2
LOCATION

REP1
REP2
REPCONTACT

SYSTEM TYPE:
SYS

DRAWING #:
NUMBER

ISO 14001:2015 CERTIFIED

ISO 9001:2015 Certified

PENNSYLVANIA REGISTERED LANDSCAPE ARCHITECT

Dana Klavon

DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE USED ON EXTENSIONS OF THE PROJECT OR ON OTHER PROJECTS WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT. NO COMPENSATION TO THE ARCHITECT, THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONDITIONS AND METHODS OF CONSTRUCTION AT THE JOB SITE. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR CONSTRUCTION METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE PROJECT.

© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

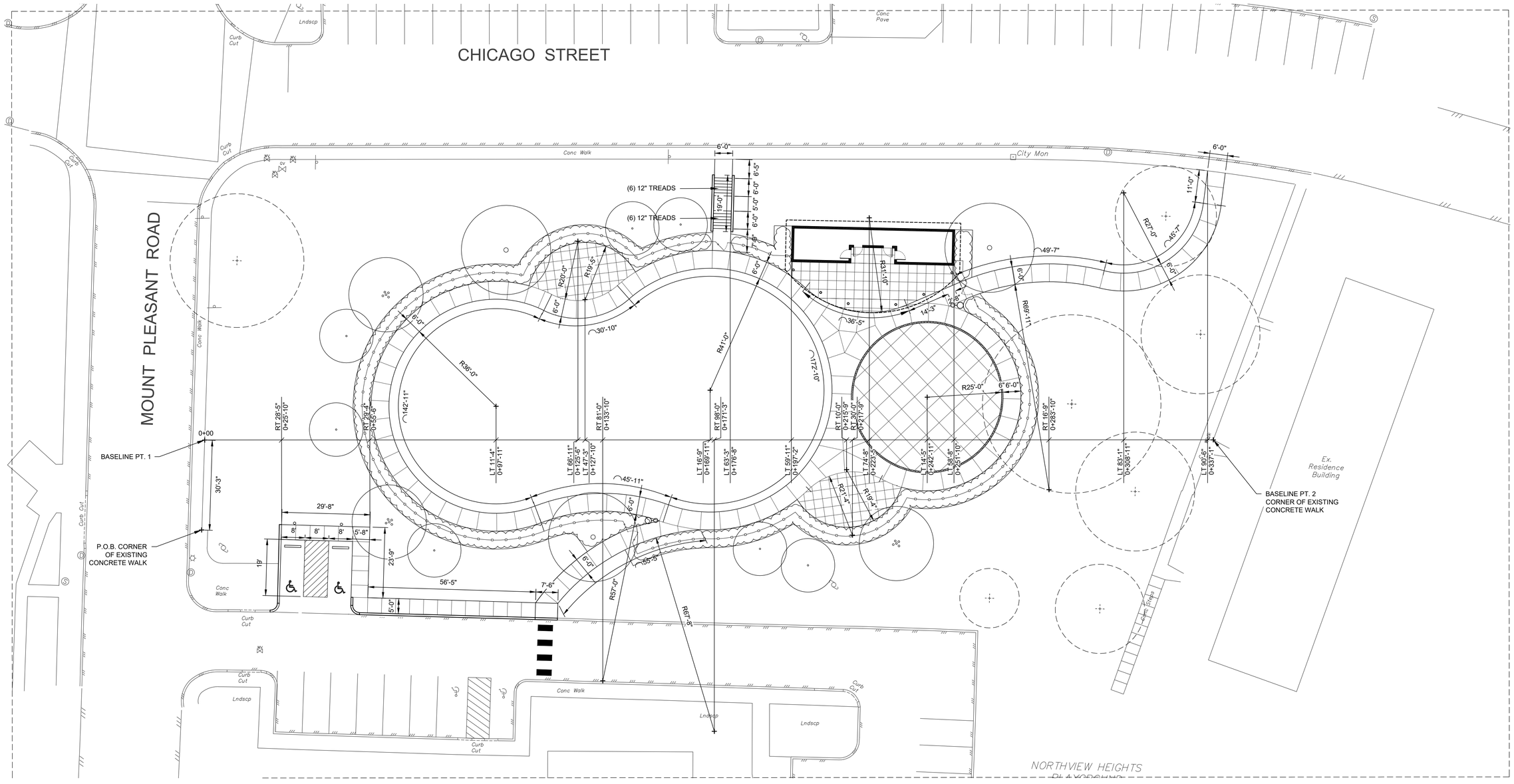
REVISIONS

DRAWN BY: ARG
CHECKED BY: SBT
DATE ISSUED: 06/04/24
DATE PRINTED: 06/04/24

# Accessible Elevated Plan

HACP NVH - Family Recreational Area
525 Mt Pleasent Road,
Pittsburgh, PA 15214

SHEET NUMBER:
L103.8




1
L104

## LAYOUT & DIMENSION PLAN

**SCALE: 1/16" = 1'-0"**

GRAPHIC SCALE 0' 8' 16' 32'

NORTH

## NOTES

1. SURVEY PREPARED BY HAMPTON TECHNICAL ASSOCIATES, INC, DATED AUGUST 16, 2022.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING INSTALLATION. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC., WHICH MAY OCCUR AS A RESULT OF CONSTRUCTION.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS NECESSARY TO COMPLETE THE WORK.
4. INLETS SHALL BE MAINTAINED SO AS NOT TO ALLOW ANY SEDIMENT OR DEBRIS TO PREVENT THE FLOW OF WATER INTO THE INLETS. ANY OBSTRUCTIONS TO THE PIPE SHOULD BE REMOVED.
5. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES IN THE SITE SURVEY TO THE OWNER AND/OR LANDSCAPE ARCHITECT PRIOR TO STARTING ANY WORK
6. AT ALL LOCATIONS WHERE EXISTING CURBING, BITUMINOUS, CONCRETE ROADWAY OR CONCRETE SIDEWALK ABUT NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENTS SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE.
7. WHERE NEW PAVING OR EARTHWORK MEETS EXISTING PAVING OR EARTHWORK SMOOTHLY BLEND LINE AND GRADE OF EXISTING WITH NEW.
8. GENERAL CONTRACTOR TO FINE GRADE ALL DISTURBED BEDS & PLANTING AREAS IN PREPARATION FOR LANDSCAPE CONTRACTOR.
9. REFER TO SPECIFICATIONS FOR SITE MATERIAL SELECTIONS.

## LEGEND

- PROPOSED CONCRETE PAVING
- PROPOSED PLAYGROUND SAFETY SURFACING
- PROPOSED CONCRETE CURB
- EXISTING TREE TO REMAIN

Dial 8-1-1 or 1-800-242-1776 not less than 3 business days nor more than 10 business days prior to the start of excavation.

Coordinate your projects via Coordinate PA at www.paonecall.org.

Pennsylvania One Call System Serial Number _____

PENNSYLVANIA REGISTERED LANDSCAPE ARCHITECT

Dma Klavon

Drawings and Specifications, as instruments of service, are and shall remain the property of the Architect. They are not to be used on extensions of the project, or other projects, except by agreement in writing with appropriate compensation to the Architect.The General Contractor is responsible for confirming and correlating dimensions at the job site. Any discrepancies shall be reported to the Architect before construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the project.
© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

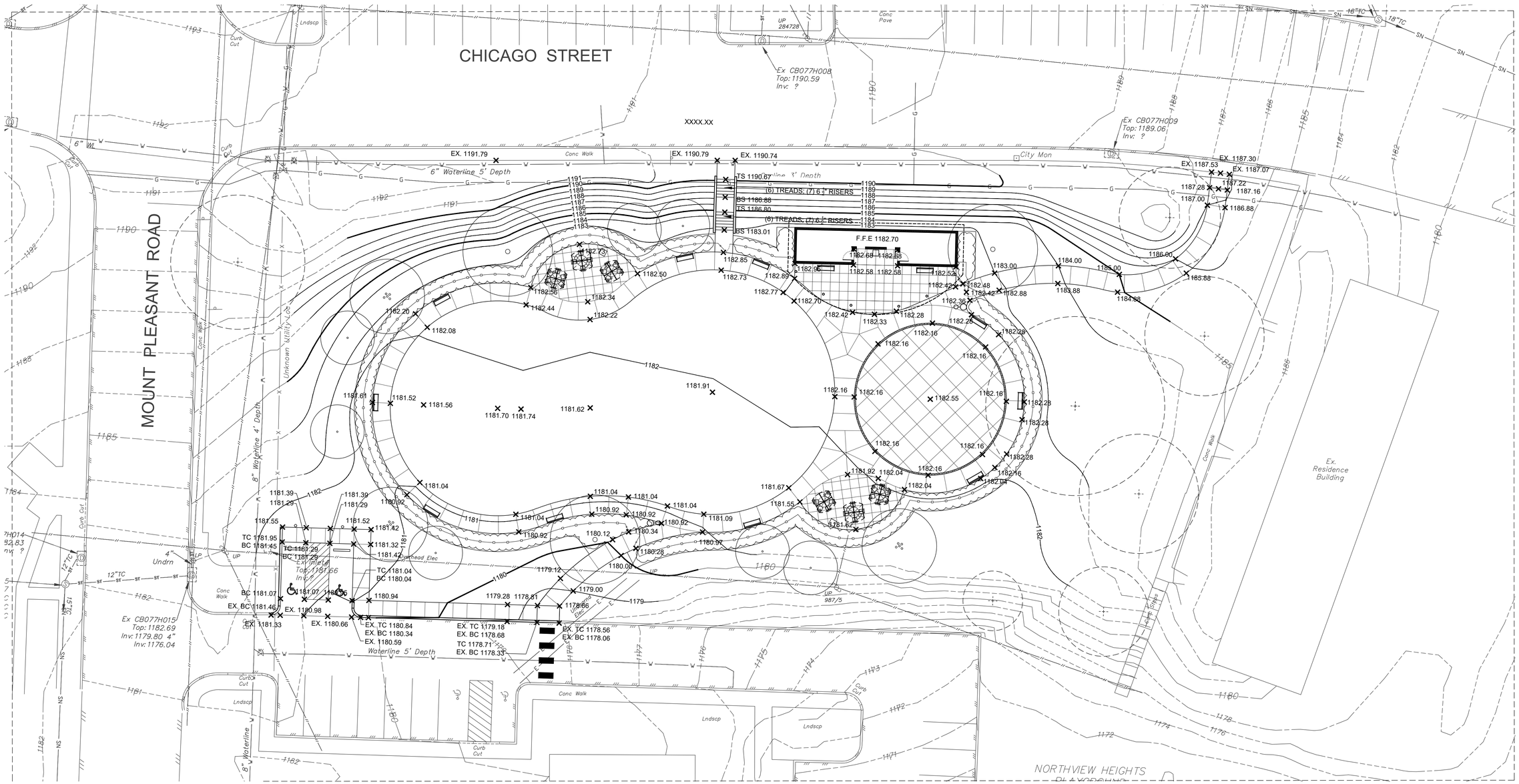
| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| ARG | DKH | XXXXXX | Feb. 14, 2023 |

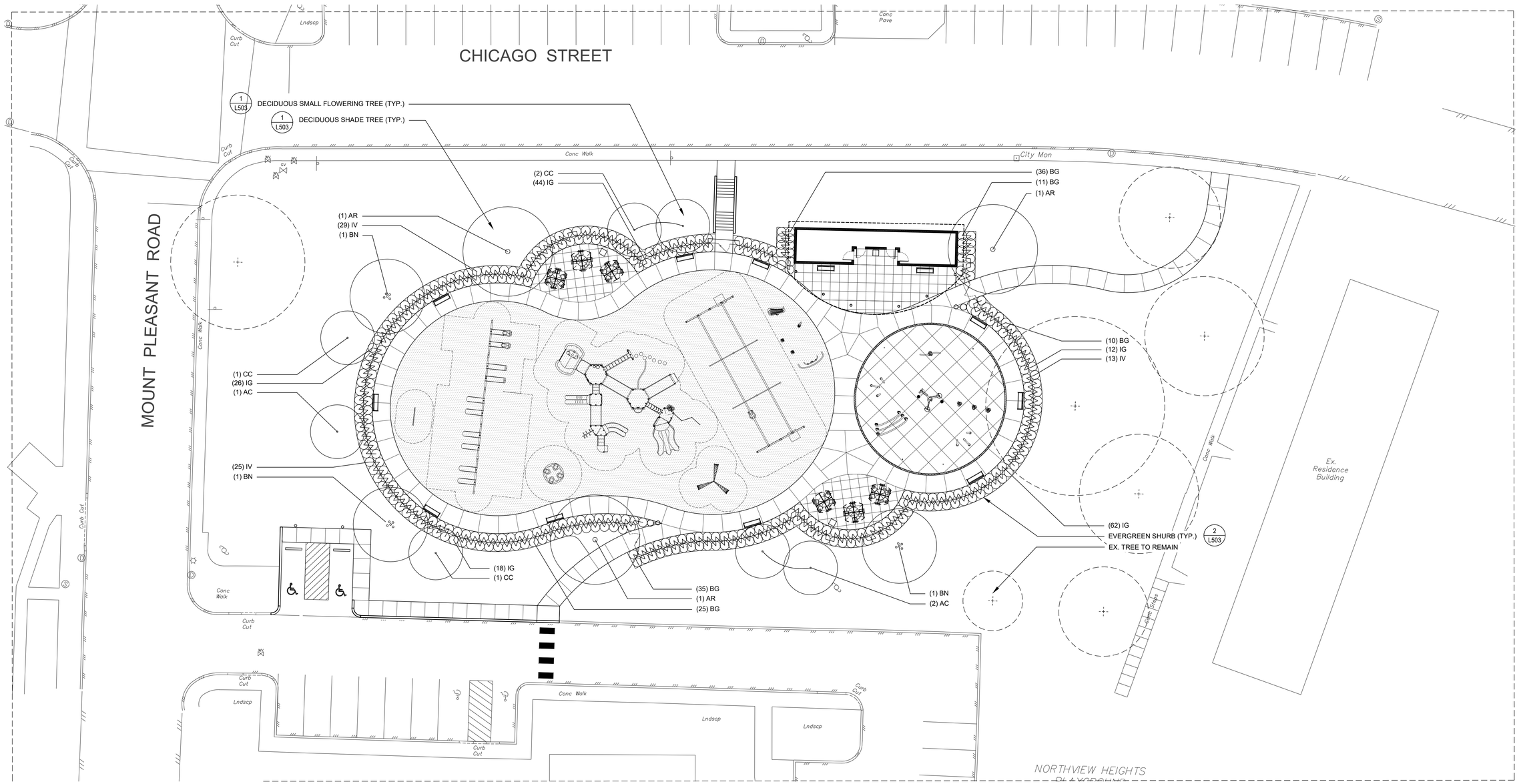
Layout & Dimension Plan

Northview Heights Playground
Mt. Pleasant Road
Pittsburgh, PA 15214

SHEET NUMBER:

L104


CHICAGO STREET
MOUNT PLEASANT ROAD
Ex CB077H008
Top: 1190.59
Inv: ?
Ex CB077H009
Top: 1189.06
Inv: ?
Ex CB077H014
Top: 1181.66
Inv: ?
Ex CB077H015
Top: 1182.69
Inv: 1179.80 4"
Inv: 1176.04
6" Waterline 5' Depth
8" Waterline 4' Depth
Waterline 5' Depth
Unknown Utility Line
Overhead Elec
Conc Walk
Conc Pave
Lndscp
Curb Cut
Curb Cut
Curb Cut




1 L106 **LANDSCAPE PLAN**

**SCALE: 1/16" = 1'-0"**

0' 8' 16' 32'

**GRAPHIC SCALE**

**NORTH**

**Dial 8-1-1 or 1-800-242-1776 not less than 3 business days nor more than 10 business days prior to the start of excavation.**

**Coordinate your projects via Coordinate PA at www.paonecall.org.**

**Pennsylvania One Call System Serial Number** _____

## NOTES

1. SURVEY PREPARED BY HAMPTON TECHNICAL ASSOCIATES, INC, DATED AUGUST 16, 2022.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING INSTALLATION. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC., WHICH MAY OCCUR AS A RESULT OF CONSTRUCTION.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS NECESSARY TO COMPLETE THE WORK.
4. INLETS SHALL BE MAINTAINED SO AS NOT TO ALLOW ANY SEDIMENT OR DEBRIS TO PREVENT THE FLOW OF WATER INTO THE INLETS. ANY OBSTRUCTIONS TO THE PIPE SHOULD BE REMOVED.
5. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES IN THE SITE SURVEY TO THE OWNER AND/OR LANDSCAPE ARCHITECT PRIOR TO STARTING ANY WORK
6. AT ALL LOCATIONS WHERE EXISTING CURBING, BITUMINOUS, CONCRETE ROADWAY OR CONCRETE SIDEWALK ABUT NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENTS SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE.
7. WHERE NEW PAVING OR EARTHWORK MEETS EXISTING PAVING OR EARTHWORK SMOOTHLY BLEND LINE AND GRADE OF EXISTING WITH NEW.
8. GENERAL CONTRACTOR TO FINE GRADE ALL DISTURBED BEDS & PLANTING AREAS IN PREPARATION FOR LANDSCAPE CONTRACTOR.
9. REFER TO SPECIFICATIONS FOR SITE MATERIAL SELECTIONS.

## LEGEND

- PROPOSED CONCRETE PAVING
- PROPOSED PLAYGROUND SAFETY SURFACING
- PROPOSED CONCRETE CURB
- PROPOSED FENCE
- PROPOSED TRENCH DRAIN
- PROPOSED TABLE & CHAIRS WITH SHADE CANOPY
- PROPOSED BENCH
- PROPOSED TRASH RECEPTACLE
- PROPOSED DRINKING FOUNTAIN
- EXISTING TREE TO REMAIN
- PROPOSED TREE
- PROPOSED SHRUB

## PLANT LIST

| QTY. | KEY | BOTANICAL NAME | COMMON NAME | SIZE | COND. | SPACING |
|---|---|---|---|---|---|---|
| SHADE TREES | | | | | | |
| 3 | AR | Acer rubrum 'Franksred' | Sunset Red Maple | 3"-3 1/2" CAL. | B&B | AS SHOWN |
| 3 | BN | Betula nigra 'Dura Heat' | Dura Heat River Birch | 3"-3 1/2" CAL. | B&B | AS SHOWN |
| SMALL FLOWERING TREES | | | | | | |
| 3 | AC | Amelanchier canadensis | Serviceberry | 3" CAL. | B&B | AS SHOWN |
| 4 | CC | Cercis canadensis | Red Bud | 3" CAL. | B&B | AS SHOWN |
| SHRUBS | | | | | | |
| 117 | BG | Buxus x 'Green Mountain' | Green Mountain Boxwood | 42" HT. | B&B | 3' O.C. |
| 162 | IG | Ilex glabra | Inkberry | 42" HT. | B&B | 3' O.C. |
| 67 | IV | Itea virginica | Virginia Sweetspire | 42" HT. | B&B | 3' O.C. |

NOTE: ALL DISTRUBED AREAS AND AREAS NOTED SHALL BE SEEDED WITH LAWN, OR REPLACED IN KIND.

PENNSYLVANIA REGISTERED LANDSCAPE ARCHITECT

Dma Klavon

Drawings and Specifications, as instruments of service, are and shall remain the property of the Architect. They are not to be used on extensions of the project, or other projects, except by agreement in writing with appropriate compensation to the Architect. The General Contractor is responsible for confirming and correlating dimensions at the site, for the accuracy of the work and for coordination of construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the project.
© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

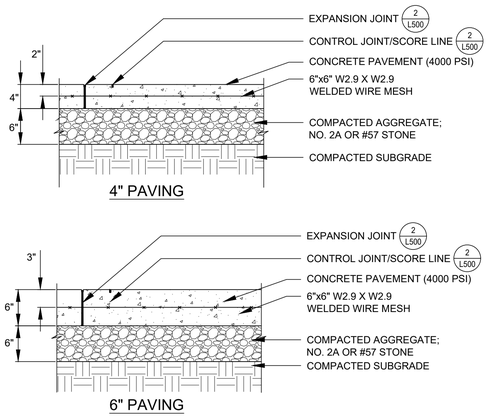
| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| ARG | DKH | XXXXXX | Feb. 14, 2023 |

Landscape Plan

Northview Heights Playground
Mt. Pleasant Road
Pittsburgh, PA 15214

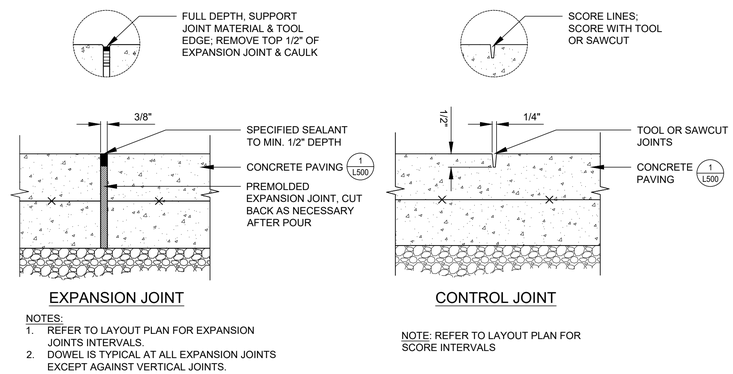
SHEET NUMBER:

L106




## 1 L501 CONCRETE PAVING

**SCALE: 1" = 1'-0"**

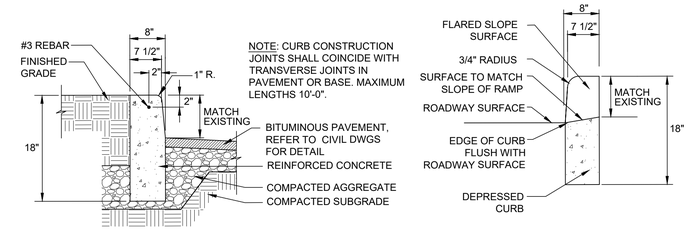



NOTES:
1. REFER TO LAYOUT PLAN FOR EXPANSION JOINTS INTERVALS.
2. DOWEL IS TYPICAL AT ALL EXPANSION JOINTS EXCEPT AGAINST VERTICAL JOINTS.

NOTE: REFER TO LAYOUT PLAN FOR SCORE INTERVALS

## 2 L501 CONCRETE JOINTS

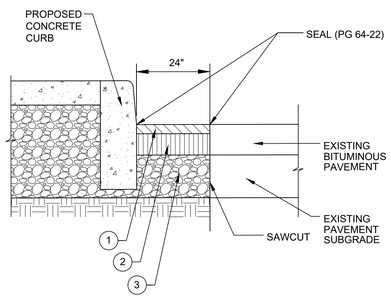
**SCALE: N.T.S.**




NOTE: CURB CONSTRUCTION JOINTS SHALL COINCIDE WITH TRANSVERSE JOINTS IN PAVEMENT OR BASE. MAXIMUM LENGTHS 10'-0".

## 3 L501 CONCRETE CURB

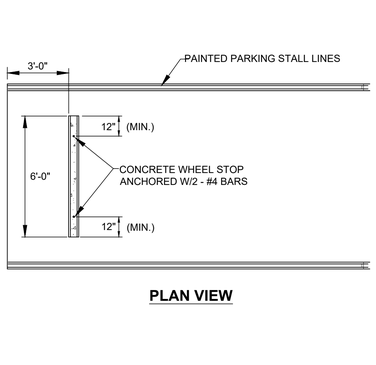
**SCALE: 1" = 1'-0"**



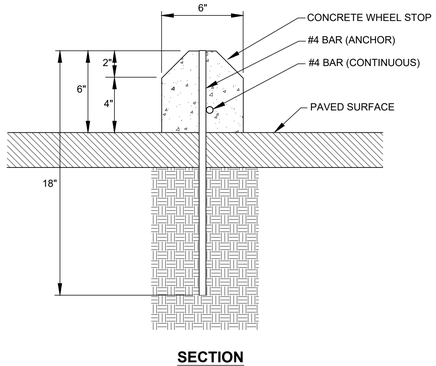

1. SUPERPAVE ASPHALT MIXTURE DESIGN, HMA WEARING COURSE, PG 64-22, 3 TO <10 MILLION ESALS, 9.5MM MIX, MATCH EXISTING DEPTH
2. SUPERPAVE ASPHALT MIXTURE DESIGN, HMA BASE COURSE, PG 64-22, 3 TO <10 MILLION ESALS, 25.0MM MIX, MATCH EXISTING DEPTH
3. SUBBASE (NO. 2A LIMESTONE), MATCH EXISTING DEPTH

## 4 L501 PAVEMENT RESTORATION

**SCALE: 1" = 1'-0"**



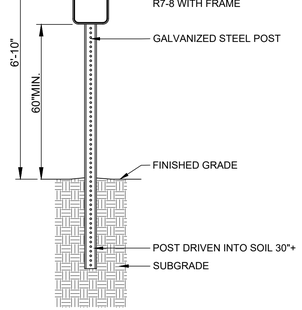

PLAN VIEW




SECTION

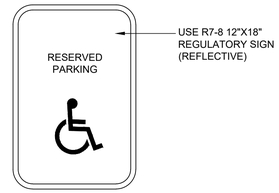
## 5 L501 CONCRETE WHEEL STOP

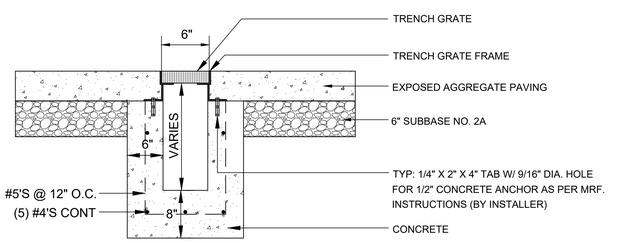
**SCALE: N.T.S.**




## 6 L501 RESERVED PARKING SIGN

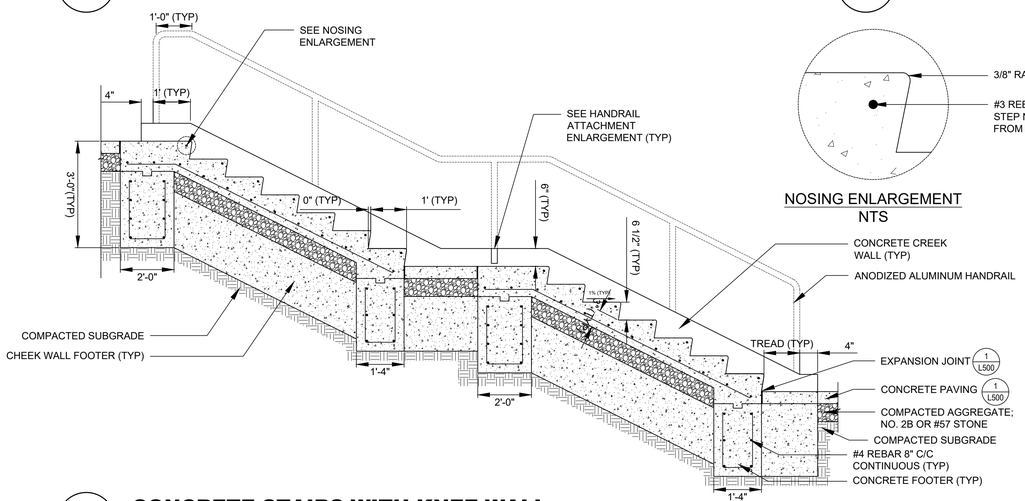
**SCALE: N.T.S.**



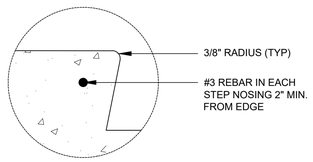

## 7 L501 TRENCH DRAIN

**SCALE: N.T.S.**

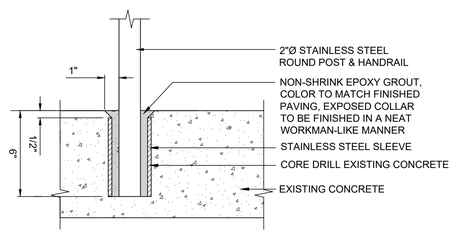



## 8 L501 CONCRETE STAIRS WITH KNEE WALL

**SCALE: 1" = 1'-0"**




NOSING ENLARGEMENT
NTS




NOTE: RAILING MANUFACTURER TO SUBMIT SHOP DRAWINGS FOR POST LOCATIONS AS REQUIRED.

HANDRAIL ATTACHMENT ENLARGEMENT
NTS


PENNSYLVANIA REGISTERED LANDSCAPE ARCHITECT
Dina Klavon



Drawings and Specifications, as instruments of service, are and shall remain the property of the Architect. They are not to be used on extensions of the project, or other projects, except by agreement in writing with appropriate compensation to the Architect. The General Contractor is responsible for confirming and correlating dimensions at the job site. Any discrepancies shall be reported to the Architect before any construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the project.
© Tusick & Associates Architects, Inc.



TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com


REVISIONS

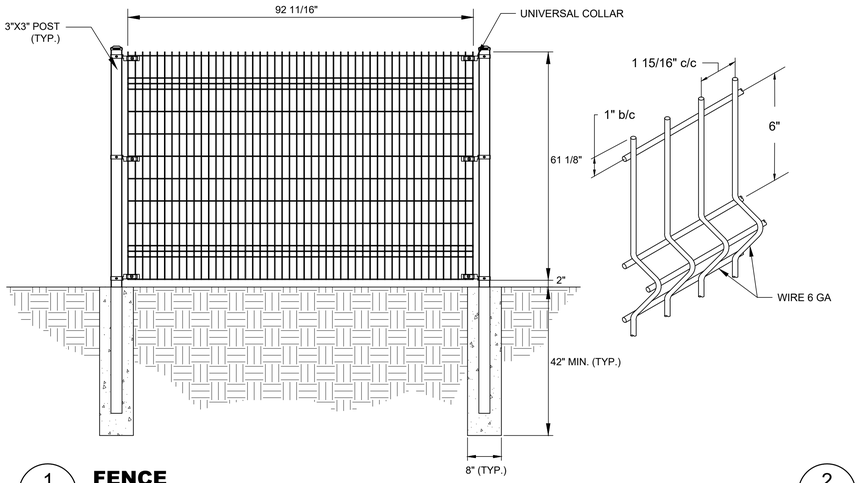
| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| ARG | DKH | XXXXXX | Feb. 14, 2023 |

Site Details

Northview Heights Playground
Mt. Pleasant Road
Pittsburgh, PA 15214

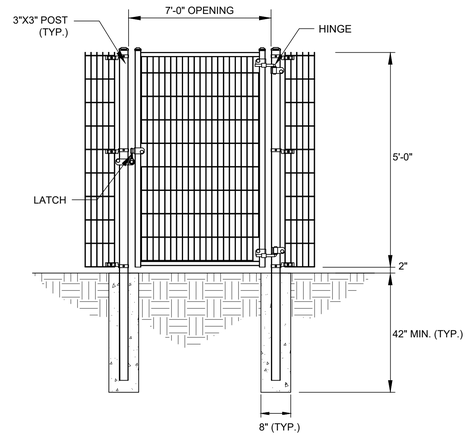
SHEET NUMBER:

L501



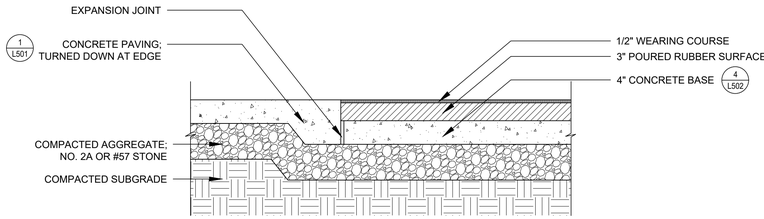

## 1 L502 FENCE

**SCALE: N.T.S.**



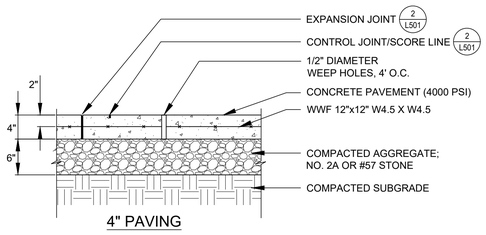

## 2 L502 GATE

**SCALE: N.T.S.**



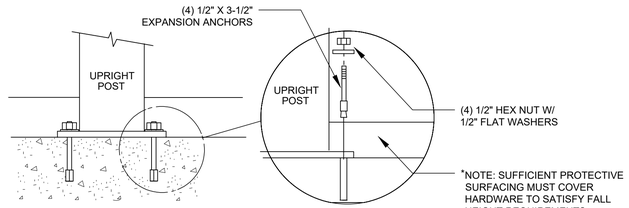

## 3 L502 PLAYGROUND SAFETY SURFACING

**SCALE: 1" = 1'-0"**




## 4 L502 CONCRETE PAVING AT PLAYGROUND

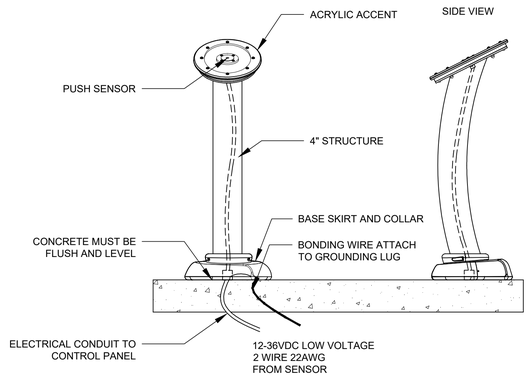
**SCALE: 1" = 1'-0"**




NOTE: DRILL HOLE USING A HAMMER DRILL DEEPER THAN ANCHOR LENGTH WITH A MASONRY BIT OF THE SAME DIAMETER OF THE EXPANSION ANCHOR. FOR EXAMPLE, A 1/2" X 3-1/2"EXPANSION ANCHOR WILL USE A 1/2" MASONRY BIT DRILLED TO A 4" MINIMUM DEPTH. ANCHORS TO BE A MINIMUM OF 4 1/2" FROM CONCRETE PAD EDGES AND SEAMS. OTHER ANCHORING DETAILS, SUCH AS CHEMICAL ANCHORS, MAY BE FOUND ON INDIVIDUAL INSTALLATION INSTRUCTIONS.

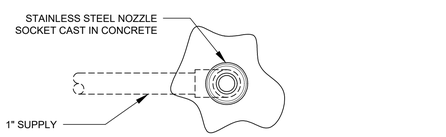
## 5 L502 PLAYGROUND EQUIPMENT SURFACE MOUNT

**SCALE: 2" = 1'-0"**

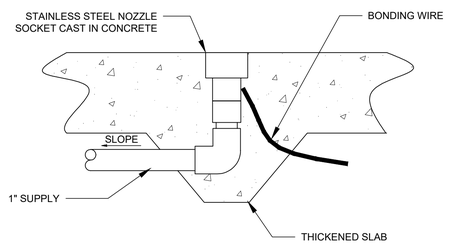



## 6 L502 SPLASH PAD - AQUAVATOR BOLLARD

**SCALE: 1" = 1'-0"**




NOTES:
1. VALVE MUST BE INSTALLED OB SUPPLY LINE TO REGULATE FLOW.
2. GROUND SPRAY IS DESIGNED TO BE ENCAPSULATED IN CONCRETE PAD
3. SUPPLY LINE IS BASED ON DESIGNATED FLOW RATES FOR STRUCTURE
4. UNDERGROUND PLUMBING TO BE DESIGNED FOR WINTERIZATION
5. CONSULT ELECTRICAL INSPECTOR FOR GROUNDING
6. PRODUCT MAY REQUIRE A STRAINER ON THE WATER LINE FEED. CONSULT WITH MANUFACTURER.
7. DO NOT EXCEED 20 FEET PER SECOND VELOCITY
8. PRODUCT SPECIFICATIONS ARE SUBJECT TO CHANGE.




## 7 L502 SPLASH PAD - NOZZLE SOCKET

**SCALE: 1" = 1'-0"**

Drawings and Specifications, as instruments of service, are and shall remain the property of the Architect. They are not to be used on extensions of the project, or other projects, except by agreement in writing with appropriate compensation to the Architect. The General Contractor is responsible for confirming and correlating dimensions at the job site. The Architect will not be responsible for any constructon means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the project.
© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

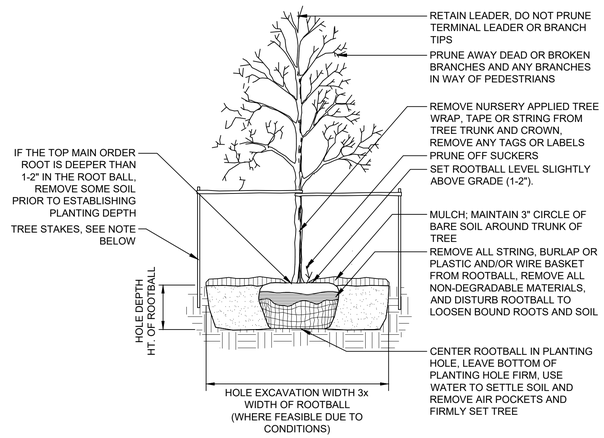
| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| ARG | DKH | XXXXXX | Feb. 14, 2023 |

Site Details

Northview Heights Playground
Mt. Pleasant Road
Pittsburgh, PA 15214

SHEET NUMBER:

L502

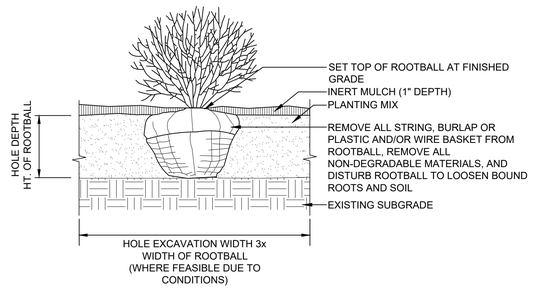



NOTE: STAKE WITH TWO 8' LONG WOOD 'TEE' POSTS OR APPROVED EQUAL DRIVEN 6-8" OUTSIDE OF ROOTBALL. LOOSELY STAKE THE TREE TRUNK TO ALLOW FOR TRUNK FLEXING. STAKE TREES JUST BELOW FIRST BRANCH WITH 1-3" POLYPROPYLENE STRAPS (2 PER TREE ON OPPOSITE SIDES, CONNECT FROM TREE TO STAKE HORIZONTALLY). DO NOT USE ROPE OR WIRE THROUGH A HOSE. ARBOR TIE IS AN ACCEPTABLE PRODUCT. REMOVE ALL STAKING MATERIALS AFTER ONE YEAR, OR AS OTHERWISE DIRECTED BY THE LANDSCAPE ARCHITECT.

1 L503

## TREE PLANTING DETAIL

**SCALE: 1" = 1'-0"**




2 L503

## SHRUB PLANTING DETAIL

**SCALE: 1" = 1'-0"**

Drawings and Specifications, as instruments of service, are and shall remain the property of the Architect. They are not to be used on extensions of the project, or other projects, except by agreement in writing with appropriate compensation to the Architect. The General Contractor is responsible for confirming and correlating dimensions at the job site. The Architect will not be responsible for any constructon means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the project.
© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| ARG | DKH | XXXXXX | Feb. 14, 2023 |

Landscape Details

Northview Heights Playground
Mt. Pleasant Road
Pittsburgh, PA 15214

SHEET NUMBER:

L503

## GENERAL NOTES:

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO START OF CONSTRUCTION. ANY ERRORS OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.

2. LOCATIONS OF EXISTING UTILITIES SHOWN HEREON HAVE BEEN DEVELOPED FROM EXISTING RECORDS AND/OR ABOVEGROUND OBSERVATIONS AT THE SITE. COMPLETENESS OR ACCURACY OF LOCATION AND DEPTH CANNOT BE GUARANTEED. ALL CONTRACTORS AND OTHER PERSONS UTILIZING THIS PLAN AND THE INFORMATION CONTAINED THEREON ARE CAUTIONED TO COMPLY WITH THE REQUIREMENTS OF PENNSYLVANIA ACT 172, ENTITLED "EXCAVATION AND DEMOLITION WORK PROTECTION OF UNDERGROUND UTILITIES". EACH INDIVIDUAL USING THIS PLAN MUST VERIFY LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES AND FACILITIES BEFORE STARTING WORK. CONTRACTOR SHALL NOTIFY "PA ONE-CALL" (1-800-242-1776) AT LEAST 48 HOURS PRIOR TO START OF EXCAVATION.

3. THE CONTRACTOR SHALL USE EXCAVATED MATERIALS FOR BACKFILL AS SPECIFIED ON THE SITE DEVELOPMENT PLANS AND DETAILS.

4. ALL PAVED AND CONCRETE AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO A CONDITION AT LEAST EQUAL TO THAT WHICH EXISTED PRIOR TO THE START OF CONSTRUCTION, UNLESS DIRECTED BY THE CONSTRUCTION DETAILS OR THE ENGINEER.

5. ALL GRASSED AREAS DISTURBED OR AREAS TO BE BACKFILLED DURING CONSTRUCTION SHALL BE TOPSOILED AND SEEDED.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND PRESERVATION OF UNDERGROUND AND SURFACE UTILITIES AND STRUCTURES AT OR ADJACENT TO THE SITE OF CONSTRUCTION AND IT SHALL BE AT THEIR OWN EXPENSE TO REPAIR OR REPLACE ANYTHING THAT HE DAMAGES.

7. ALL CONSTRUCTION MATERIALS AND WORKMANSHIP REQUIRED TO EXECUTE THIS PROJECT SHALL BE IN CONFORMANCE WITH THE STANDARDS AND SPECIFICATIONS ESTABLISHED BY THE PENNSYLVANIA DEPARTMENT OF TRANSPORTATION (PENNDOT).

8. ALL CONSTRUCTION DETAILS NOT SHOWN SHALL BE IN ACCORDANCE WITH PENNDOT STANDARDS, INCLUDING, BUT NOT LIMITED TO:

   - PUBLICATION 408 - CONSTRUCTION SPECIFICATIONS
   - PUBLICATION 72 - STANDARDS FOR ROADWAY CONSTRUCTION

9. THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION LAYOUT OF THE PROJECT. PAYMENT WILL NOT BE MADE FOR CONSTRUCTION LAYOUT, BUT SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL.

10. EXCAVATION AND ALL MATERIALS FOR PIPE BEDDING, SUITABLE BACKFILL MATERIAL (NO. 2A STONE AGGREGATE) AND TRENCH RESTORATION INVOLVED IN ALL DRAINAGE PIPE AND STRUCTURE INSTALLATION SHALL BE INCLUDED UNDER THE APPROPRIATE LINE ITEM. ALL QUESTIONABLE MATERIAL MUST BE REMOVED OFFSITE AND SELECT FILL WILL BE USED FOR THE TRENCH RESTORATION, AS DIRECTED BY THE ENGINEER AND IN ACCORDANCE WITH THE SPECIFICATIONS.

11. EROSION AND SEDIMENTATION CONTROL DEVICES WILL BE INSTALLED AS PER THE PLANS AND DETAILS, AND WHERE DIRECTED BY THE ENGINEER.

12. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR REMOVING AND DISPOSING OF ALL EXCESS EARTHWORK AND CONSTRUCTION MATERIALS IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.

## SURVEY NOTES:

1. ALL DEED OR PLAN BEARINGS AND COORDINATES HAVE BEEN ROTATED AND CONVERTED TO NORTH AMERICAN DATUM OF 1983 PENNSYLVANIA STATE PLANE COORDINATE SYSTEM SOUTH ZONE.

2. TOPOGRAPHIC MAPPING IS A COMPILATION OF FIELD MEASUREMENTS AND GIS TOPOGRAPHIC MAPPING FROM THE PENNSYLVANIA SPATIAL DATA ACCESS WEBSITE. THE VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). CONTOUR INTERVAL 1' INSIDE PROJECT AREA, 2' OUTSIDE PROJECT AREA.

3. ALL UTILITY INFORMATION FOR THIS PLAN OF LOTS IS BASED ON AN ABOVE GROUND TOPOGRAPHICAL SURVEY AND INFORMATION PROVIDED BY THE RESPONDING UTILITY COMPANIES, PER SURFACE INSPECTION AND THE RESULTS FROM A PA ONE CALL MADE ON 08/16/2022, SERIAL NUMBER 20222283732. THE LOCATION OF SAID UTILITIES SHOULD BE CONSIDERED APPROXIMATE. NO SUBSURFACE UTILITY SURVEY OR EXPLORATION HAS BEEN MADE.

4. AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, MINIMAL FLOOD HAZARD AREA, PER FEMA FLOOD HAZARD MAP NUMBER 42003C0332H AND 42003C0351H, EFFECTIVE DATE: SEPT. 26, 2014, CITY OF PITTSBURGH, ALLEGHENY COUNTY, PA.

## EXISTING LEGEND:

- OVERHEAD ELECTRIC LINE
- UNDERGROUND ELECTRIC
- UP — UP
- GP — GUIDE WIRE
- EM — ELECTRIC METER
- ET — ELECTRIC TRANSFORMER
- LP — LIGHT POLE
- GAS LINE
- GV — GAS VALVE
- GM — GAS MARKER
- GM — GAS METER
- WATER LINE
- WV — WATER VALVE
- FH — HYDRANT
- SANITARY SEWER
- COMBINATION SEWER
- SMH — SANITARY MANHOLE
- CO — CLEANOUT
- MH — MANHOLE
- STORM SEWER
- STMH — STORM MANHOLE
- CB — CATCH BASIN
- EW — END WALL
- TMH — COMMUNICATION MANHOLE
- TB — COMMUNICATION BOX
- TV — COMMUNICATION VAULT
- CURB
- SURVEY MARKERS
- EDGE OF PAVEMENT (NO CURB)
- 1185 — MAJOR CONTOUR
- MINOR CONTOUR

## PROPOSED LEGEND:

- 1185 — MAJOR CONTOUR
- MINOR CONTOUR
- + 1185.00 — SPOT ELEVATION
- CONCRETE SIDEWALK W/ JOINTS
- CONCRETE PAVEMENT
- E — UNDERGROUND ELECTRIC
- G — GAS LINE
- W — WATER LINE
- SN — SANITARY SEWER
- ST — STORM SEWER
- MANHOLE

## CIVIL DRAWINGS

| SHEET NUMBER | DESCRIPTION |
|---|---|
| C001 | GENERAL NOTES AND LEGEND |
| C101 | EXISTING CONDITIONS |
| C102 | DEMOLITION PLAN |
| C201 | SITE PLAN |
| C301 | GRADING PLAN |
| C401 | STORMWATER MANAGEMENT, UTILITY, DRAINAGE PLAN |
| C501 | CONSTRUCTION DETAILS |
| C502 | STORMWATER MANAGEMENT CONSTRUCTION DETAILS |
| C503 | CONSTRUCTION DETAILS |
| C504 | CONSTRUCTION DETAILS |
| C505 | CONSTRUCTION DETAILS |
| C506 | CONSTRUCTION DETAILS |
| C601 | EROSION & SEDIMENT CONTROL PLAN |
| C602 | EROSION & SEDIMENT POLLUTION CONTROL DETAILS |
| C603 | EROSION & SEDIMENT POLLUTION CONTROL DETAILS |

Cosmos TECHNOLOGIES
700 River Ave, Suite 100,
Pittsburgh, PA 15212
(P): 412.321.3951

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
BARRY L. DAVIDSON
ENGINEER
PE-063111

Drawings and Specifications, as instruments of service, are and shall remain the property of Architect. They are not to be used on extensions of the project, or other projects, except by agreement in writing with appropriate compensation to the Architect.The General Contractor is responsible for confirming and correlating dimensions at the job site. The Architect will not be responsible for any construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the project.
© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| SJD | BLD | 04-10-2023 | 04-10-2023 |

GENERAL NOTES AND LEGEND

HACP NVH - Family Recreational Area
525Mt Pleasent Road,
Pittsburgh, PA 15214

SHEET NUMBER:

C001

CHICAGO STREET

MOUNT PLEASANT ROAD

N/F HOUSING AUTHORITY OF THE CITY OF PITTSBURGH
B & L 77-D-00046
525 MOUNT PLEASANT ROAD
(NORTHVIEW HEIGHTS)

NORTHVIEW HEIGHTS PLAYGROUND

Allegheny Co. Landslide area

Ex. Residence Building

Ex. Highrise Building

Ex. Building

Ex CB077H003 Top:1194.16 Inv: ?

Ex CB077H004 Top:1194.22 Inv: ?

Ex CB077H005

Ex CB077H006

Ex CB077H008 Top:1190.59 Inv: ?

Ex CB077H009 Top:1189.06 Inv: ?

Ex CB077H014 Top:1182.83 Inv: ?

Ex CB077H015 Top:1182.69 Inv:1179.80 4" Inv:1176.04

Ex CB077H016

Ex CB078E007 Top:1166.72 Inv: ?

San MH077H032 Top:1193.88 Inv in:1183.42 12"TC Inv in:1183.27 15"TC Inv in:1183.06 15"TC Inv out:1183.14 18"TC

San MH077H033 Top:1191.12 Inv in:1177.65 18"TC Inv out:1177.52 18"TC

San MH077H034 Top:1184.14 Inv in:1175.28 18"TC Inv in:1175.47 12"TC Inv out:1175.25 18"TC

San MH077H035 Top:1182.47 Inv in:1176.94 12"TC Inv in:1176.61 12"TC Inv out:1176.40 15"TC

San MH078E002

Ex Inlet Top:1181.66 Inv: ?

City Mon

Unknown Utility Loc

6" Waterline 5' Depth

8" Waterline 4' Depth

Gasline 3' Depth

Overhead Elec

Conc Walk

Conc Pave

Lndscp

Curb Cut

Sign

Building Area

Building Rubble

36" Oak

18" Maple

18" Oak

30" Opk

24" Oak

18" Ash

12" Pine

15" Pine

**CALL BEFORE YOU DIG!**

PENNSYLVANIA ONE CALL SYSTEM, INC.

0 10 20 40 Feet
1:240


Cosmos TECHNOLOGIES
700 River Ave, Suite 100,
Pittsburgh, PA 15212
(P): 412.321.3951


COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
BARRY L. DAVIDSON
ENGINEER
PE-063111


Drawings and Specifications, as instruments of service, are and shall remain the property of the Architect. They are not to be used on extensions of the project, or other projects, except by agreement in writing with appropriate compensation to the Architect.The General Contractor is responsible for confirming and correlating dimensions at the site. The Architect will not be responsible for any construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the project.
© Tusick & Associates Architects, Inc.



TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com


REVISIONS

| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| SJD | BLD | 04-10-2023 | 04-10-2023 |

EXISTING CONDITIONS PLAN

HACP NVH - Family Recreational Area
525Mt Pleasent Road,
Pittsburgh, PA 15214

SHEET NUMBER:

C101

CHICAGO STREET

MOUNT PLEASANT ROAD

N/F HOUSING AUTHORITY OF THE CITY OF PITTSBURGH
B & L 77-D-00046
525 MOUNT PLEASANT ROAD
(NORTHVIEW HEIGHTS)

NORTHVIEW HEIGHTS PLAYGROUND

Ex. Residence Building

Ex. Highrise Building

Ex. Building

Allegheny Co. Landslide area

REMOVE EXISTING PAVEMENT, PARKING SIGNAGE, AND CURBING

REMOVE ANY REMAINING BUILDING RUBBLE AND FOUNDATION

Ex CB077H003 Top:1194.16 Inv: ?

Ex CB077H004 Top:1194.22 Inv: ?

San MH077H032 Top:1193.88 Inv in:1183.42 12"TC Inv in:1183.27 15"TC Inv in:1183.06 15"TC Inv out:1183.14 18"TC

Ex CB077H005

Ex CB077H006

San MH077H033 Top:1191.12 Inv in:1177.65 18"TC Inv out:1177.52 18"TC

Ex CB077H008 Top:1190.59 Inv: ?

San MH077H034 Top:1184.14 Inv in:1175.28 18"TC Inv in:1175.47 12"TC Inv out:1175.25 18"TC

Ex CB077H009 Top:1189.06 Inv: ?

Ex CB077H014 Top:1182.83 Inv: ?

San MH077H035 Top:1182.47 Inv in:1176.94 12"TC Inv in:1176.61 12"TC Inv out:1176.40 15"TC

Ex CB077H015 Top:1182.69 Inv:1179.80 4" Inv:1176.04

Ex Inlet Top:1181.66 Inv: ?

Ex CB077H016

Ex CB078E007 Top:1166.72 Inv: ?

San MH078E002

Unknown Utility Loc

6" Waterline 4' Depth

6" Waterline 5' Depth

Gasline 3' Depth

Overhead Elec

Conc Walk

Conc Pave

Lndscp

Curb Cut

Light Pole

City Mon

UP 284731

UP 284727

UP 284728

UP 370737

UP 987/5

18" Maple

36" Oak

18" Oak

30" Oak

24" Oak

18" Ash

15" Pine

CALL BEFORE YOU DIG!

THE CONTRACTOR IS RESPONSIBLE TO CALL 811 AT LEAST THREE BUSINESS DAYS BEFORE STARTING ANY DIGGING ON ENTIRE PROJECT, AT 811 OR 811.PA.GOV

PENNSYLVANIA ONE CALL SYSTEM, INC.

PENNSYLVANIA ONE CALL SYSTEM, INC. 1-800-242-1776 STOP CALL BEFORE YOU DIG!

N

0 10 20 40 Feet

1 inch = 20 feet


Cosmos TECHNOLOGIES
700 River Ave, Suite 100,
Pittsburgh, PA 15212
(P): 412.321.3951


COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
BARRY L. DAVIDSON
ENGINEER
PE-063111


Drawings and Specifications, as instruments of service, are and shall remain the property of the Architect. They are not to be used on extensions of the project, or other projects, except by agreement in writing with appropriate compensation to the Architect.The General Contractor is responsible for confirming and correlating dimensions at the site. The Architect will not be responsible for any construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the project.
© Tusick & Associates Architects, Inc.



TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com


REVISIONS

| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| SJD | BLD | 04-10-2023 | 04-10-2023 |

SITE DEMOLITION PLAN

HACP NVH - Family Recreational Area
525Mt Pleasent Road,
Pittsburgh, PA 15214

SHEET NUMBER:

C102

## SITE DATA:

| | |
|---|---|
| CONCRETE PAVEMENT | 6,488 SQ. FT. |
| BUILDING AREA | 656 SQ. FT. |
| SPLASHPAD AREA | 1,964 SQ. FT. |
| PLAYGROUND SURFACE | 9,624 SQ. FT. |
| GRASS/LANDSCAPING | 31,500 SQ. FT. |

CHICAGO STREET

MOUNT PLEASANT ROAD

N/F HOUSING AUTHORITY OF THE CITY OF PITTSBURGH B & L 77-D-00046 525 MOUNT PLEASANT ROAD (NORTHVIEW HEIGHTS)

NORTHVIEW HEIGHTS PLAYGROUND

PROPOSED RESTROOM BUILDING

PROPOSED TABLE (TYP.)

PROPOSED CHAINLINK FENCE GATE (TYP.)

PROPOSED BENCH (TYP.)

PROPOSED SEATING AREA (TYP.)

PROPOSED PLAYGROUND AREA (SEE DETAILS AND SPECIFICATIONS)

PROPOSED SPLASHPAD (SEE DETAILS AND SPECIFICATIONS)

PROPOSED TREE (TYP.) SEE LANDSCAPE ARCHITECT PLANS

PROPOSED CONCRETE SIDEWALK (TYP.)

PROPOSED CHAINLINK FENCE (TYP.)

PROPOSED MULCH BED AND PLANTINGS (TYP.) SEE LANDSCAPE ARCHITECTURE PLANS

PROPOSED SANITARY SEWER 6" SDR-35, MIN. 0.005%

PROPOSED SANITARY MANHOLE (TYP.)

TYPICAL ADA ACCESSIBLE SIGN, 6" CONCRETE FILLED STEEL PIPE SIGN POST AND SIGN

WHEEL STOP (TYP.)

PROPOSED CONCRETE PAVEMENT (TYP.)

PROPOSED CROSSWALK

(6) TREADS; (7) 6 ½" RISERS

(6) TREADS; (7) 6 ½" RISERS

Ex CB077H003 Top:1194.16 Inv: ?

Ex CB077H004 Top:1194.22 Inv: ?

San MH077H032 Top:1193.88 Inv in:1183.42 12"TC Inv in:1183.27 15"TC Inv in:1183.06 15"TC Inv out:1183.14 18"TC

Ex CB077H005

Ex CB077H006

San MH077H033 Top:1191.12 Inv in:1177.65 18"TC Inv out:1177.52 18"TC

Ex CB077H008 Top:1190.59 Inv: ?

Ex CB077H009 Top:1189.06 Inv: ?

Ex CB077H014 Top:1182.83 Inv: ?

San MH077H035 Top:1182.47 Inv in:1176.94 12"TC Inv in:1176.61 12"TC Inv out:1176.40 15"TC

Ex CB077H015 Top:1182.69 Inv:1179.80 4" Inv:1176.04

Ex Inlet Top:1181.66 Inv: ?

Ex CB077H016

Ex CB07BE Top:1166 Inv

Ex. Residence Building

Ex. Building

Ex. Highrise Building

Conc Walk

Lndscp

Conc Pave

Curb Cut

Allegheny Co. Landslide area

**CALL BEFORE YOU DIG!**

THE CONTRACTOR IS RESPONSIBLE TO CALL 811 AT LEAST THREE BUSINESS DAYS BEFORE STARTING ANY GRADING OR EXCAVATION PROJECT, AS REQUIRED BY LAW.

PENNSYLVANIA ONE CALL SYSTEM, INC.

PENNSYLVANIA ONE CALL SYSTEM, INC. 1-800-242-1776 STOP. CALL BEFORE YOU DIG!

N

0 10 20 40 Feet

1:240


Cosmos TECHNOLOGIES
700 River Ave, Suite 100,
Pittsburgh, PA 15212
(P): 412.321.3951


COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
BARRY L. DAVIDSON
ENGINEER
PE-063111


Drawings and Specifications, as instruments of service, are and shall remain the property of the Architect. They are not to be used on extensions of the project, or other projects, except by agreement in writing with appropriate compensation to the Architect.The General Contractor is responsible for confirming and correlating dimensions at the site; for information that pertains to the safe and construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the project.
© Tusick & Associates Architects, Inc.



Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com


REVISIONS

| | |
|---|---|
| DRAWN BY | SJD |
| CHECKED BY | BLD |
| DATE ISSUED | 04-10-2023 |
| DATE PRINTED | 04-10-2023 |

SITE IMPROVEMENTS PLAN

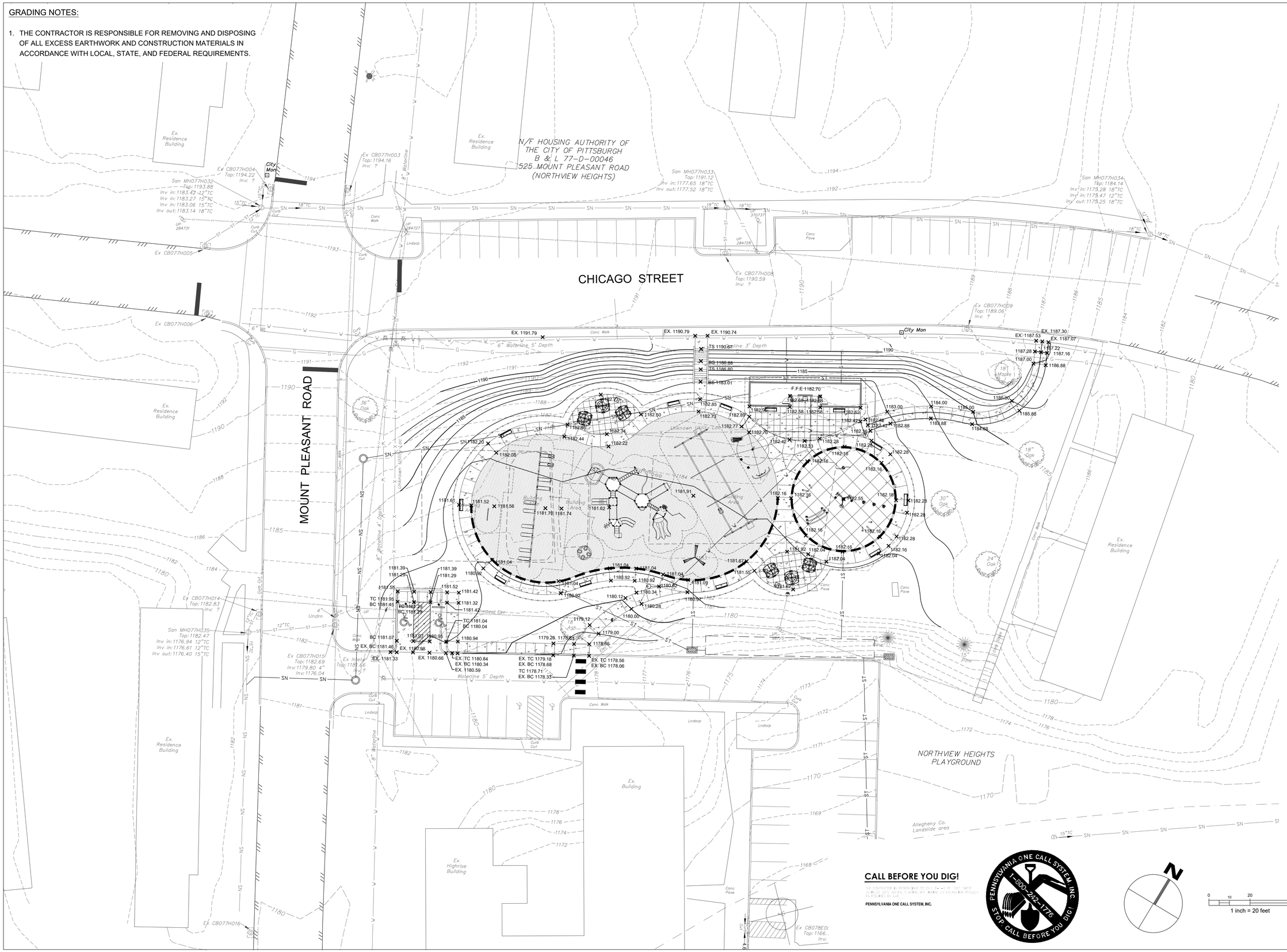
HACP NVH - Family Recreational Area
525Mt Pleasent Road,
Pittsburgh, PA 15214

SHEET NUMBER:

C201

GRADING NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING AND DISPOSING OF ALL EXCESS EARTHWORK AND CONSTRUCTION MATERIALS IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.




**CALL BEFORE YOU DIG!**

THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES DURING THE COURSE OF CONSTRUCTION. THE CONTRACTOR SHALL CONTACT ALL UTILITIES AND REQUEST THEY LOCATE AND MARK THEIR FACILITIES PRIOR TO CONSTRUCTION.

PENNSYLVANIA ONE CALL SYSTEM, INC.

PENNSYLVANIA ONE CALL SYSTEM, INC. 1-800-242-1776 STOP CALL BEFORE YOU DIG!

N

0 10 20 40 Feet

1 inch = 20 feet


Cosmos TECHNOLOGIES
700 River Ave, Suite 100,
Pittsburgh, PA 15212
(P): 412.321.3951


COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
BARRY L. DAVIDSON
ENGINEER
PE-063111


Drawings and Specifications, as instruments of service, are and shall remain the property of Tusick & Associates Architects, Inc. They are not to be used on extensions of the project, or other projects, except by agreement in writing with appropriate compensation to the Architect. The General Contractor is responsible for confirming and correlating dimensions at the site, for coordinating the work with that of all trades, for construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the project.
© Tusick & Associates Architects, Inc.



TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com


REVISIONS

| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| SJD | BLD | 04-10-2023 | 04-10-2023 |

GRADING PLAN

HACP NVH - Family Recreational Area
525Mt Pleasant Road,
Pittsburgh, PA 15214

SHEET NUMBER:

C301

(NORTHVIEW HEIGHTS)

CHICAGO STREET

MOUNT PLEASANT ROAD

NORTHVIEW HEIGHTS PLAYGROUND

San MH077H032
Top: 1193.88
Inv in: 1183.42 12"TC
Inv in: 1183.27 15"TC
Inv in: 1183.06 15"TC
Inv out: 1183.14 18"TC

Top: 1194.22
Inv: ?

Ex CB077H005

Ex CB077H006

San MH077H033
Top: 1191.12
Inv in: 1177.65 18"TC
Inv out: 1177.52 18"TC

Ex CB077H008
Top: 1190.59
Inv: ?

San MH077H034
Top: 1184.14
Inv in: 1173.28 18"TC
Inv in: 1173.47 12"TC
Inv out: 1173.25 18"TC

Ex CB077H009
Top: 1189.06
Inv: ?

PROPOSED OVERHEAD ELECTRIC SERVICE (SEE SITE ELECTRICAL PLAN AND DETAILS, SHEET E1.0)

PROPOSED WATER SERVICE CONNECTION (SEE FLOOR PLAN AND DETAILS - PLUMBING, SHEET P1.1)

PROPOSED GAS SERVICE CONNECTION (SEE MEP DRAWINGS)

City Mon

CONTRACTOR TO INSTALL WATER METER AND FREEZE PROTECTION, IF NEEDED, PER PWSA STANDARDS

6" Waterline 3' Depth

4" ROOFDRAIN OUTLET, DRAIN TO SPLASH PAD TRENCH DRAIN AT MINIMUM 1.0% SLOPE

PROPOSED WATER SERVICE TO FOUNTAINS AND SPLASH PAD (SEE FLOOR PLAN AND DETAILS - PLUMBING, SHEET P1.1)

PROPOSED DRINKING FOUNTAIN (SEE SPECIFICATIONS, DIV. 22)

PROPOSED UNDERGROUND ELECTRIC SERVICE (SEE SITE ELECTRICAL PLAN AND DETAILS, SHEET E1.0)

TRENCH DRAIN (SEE SHEET L501)

PROPOSED WATER CONNECTION TO SPLASH PAD EQUIPMENT (SEE SPLASH PAD DETAILS AND SPECIFICATIONS)

PROPOSED SANITARY SEWER 6" SDR-35, MIN. 0.005%

6" Waterline 4' Depth

Unknown Utility Loc

Ex CB077H014
Top: 1182.83
Inv: ?

San MH077H035
Top: 1182.47
Inv in: 1176.94 12"TC
Inv in: 1176.61 12"TC
Inv out: 1176.40 15"TC

Ex CB077H015
Top: 1182.69
Inv: 1179.80 4"
Inv: 1176.04

Ex Inlet
Top: 1181.66
Inv: ?

PROPOSED SANITARY MANHOLE (TYP.)

Waterline 5' Depth

6" HDPE @ 1.0% MIN.

SLOPE GROUND OR INSTALL SWALES TO DRAIN TO CATCH BASINS

UNDERGROUND DETENTION FACILITY (SEE DETAILS)

12" HDPE @ 1.0% MIN.

Ex CB078E007
Top: 1166.72
Inv: ?

CONTRACTOR TO CLEAN CATCH BASIN INVERT AND OUTLET PIPE

Allegheny Co. Landslide area

San MH078E002

San MH077H036

Ex CB077H016

**CALL BEFORE YOU DIG!**

THE CONTRACTOR IS RESPONSIBLE TO CALL 811 OR 1-800-242-1776 THREE BUSINESS DAYS BEFORE STARTING ANY EXCAVATION ON PROJECT, AS SPECIFIED IN PA1150.

PENNSYLVANIA ONE CALL SYSTEM, INC.

0 10 20 40 Feet

1:240


Cosmos TECHNOLOGIES
700 River Ave, Suite 100,
Pittsburgh, PA 15212
(P): 412.321.3951


COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
BARRY L. DAVIDSON
ENGINEER
PE-063111


Drawings and Specifications, as instruments of service, are and shall remain the property of the Architect. They are not to be used on extensions of the project, or other projects, except by agreement in writing with appropriate compensation to the Architect.The General Contractor is responsible for confirming and correlating dimensions at the job site. Any discrepancies shall be reported to the Architect before work is started. The General Contractor is responsible for construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the project.
© Tusick & Associates Architects, Inc.



TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com


REVISIONS

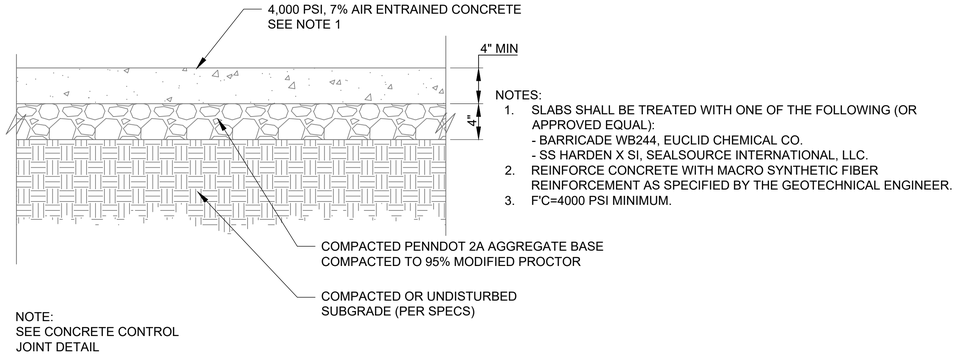
| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| SJD | BLD | 04-10-2023 | 04-10-2023 |

# STORMWATER MANAGEMETN, UTILITY, AND DRAINAGE PLAN

HACP NVH - Family Recreational Area
525Mt Pleasent Road,
Pittsburgh, PA 15214

SHEET NUMBER:

C401

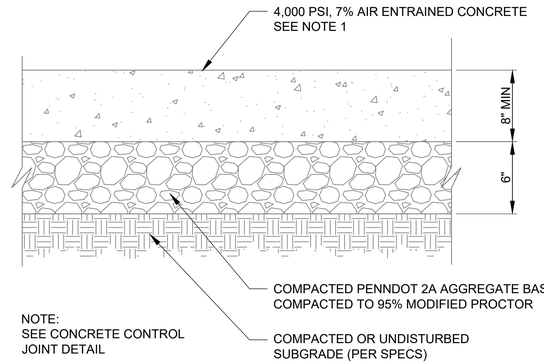



NOTES:
1. SLABS SHALL BE TREATED WITH ONE OF THE FOLLOWING (OR APPROVED EQUAL):
   - BARRICADE WB244, EUCLID CHEMICAL CO.
   - SS HARDEN X SI, SEALSOURCE INTERNATIONAL, LLC.
2. REINFORCE CONCRETE WITH MACRO SYNTHETIC FIBER REINFORCEMENT AS SPECIFIED BY THE GEOTECHNICAL ENGINEER.
3. F'C=4000 PSI MINIMUM.

NOTE:
SEE CONCRETE CONTROL
JOINT DETAIL

## STANDARD DUTY CONCRETE PAVEMENT PAD SECTION

SCALE:NTS

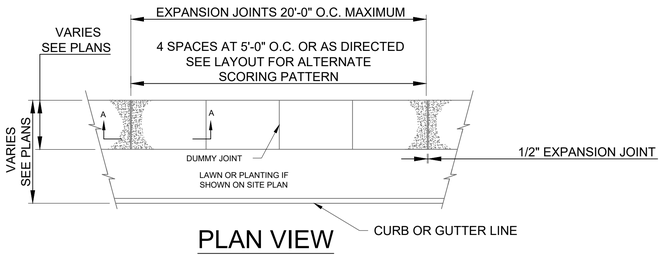



NOTE:
SEE CONCRETE CONTROL
JOINT DETAIL

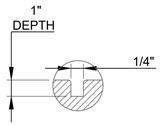
NOTES:
1. SLABS SHALL BE TREATED WITH ONE OF THE FOLLOWING (OR APPROVED EQUAL):
   - BARRICADE WB244, EUCLID CHEMICAL CO.
   - SS HARDEN X SI, SEALSOURCE INTERNATIONAL, LLC.
2. REINFORCE CONCRETE WITH MACRO SYNTHETIC FIBER REINFORCEMENT AS SPECIFIED BY THE GEOTECHNICAL ENGINEER.
3. F'C=4000 PSI MINIMUM.

## HEAVY DUTY CONCRETE PAVEMENT PAD SECTION

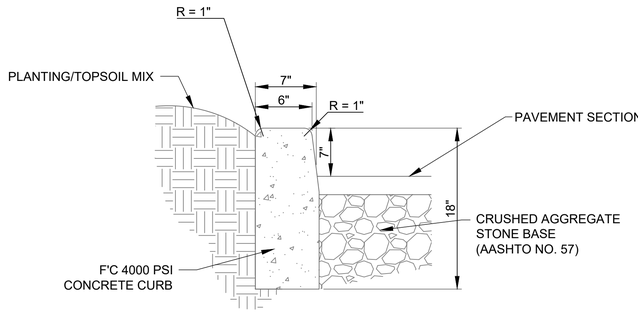
SCALE: NTS




## PLAN VIEW

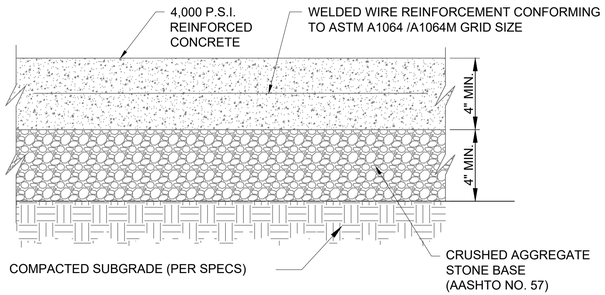



## DUMMY JOINT




## 7" REVEAL CONCRETE CURB

SCALE: NTS

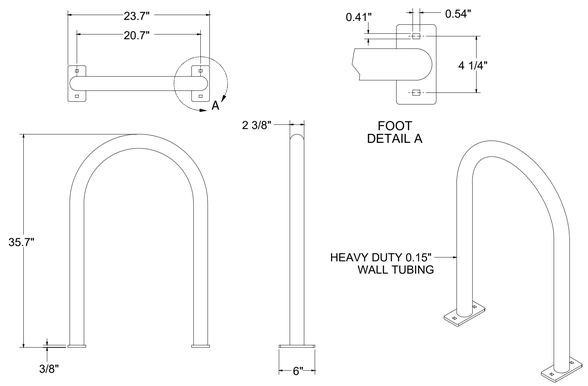



## SECTION A-A

NOTES:
1. 1/4" WIDE x 1" DEEP DUMMY JOINTS SCORED AT 5'-0" INTERVALS.
2. CONSTRUCTION EXPANSION JOINTS SPACED EVERY 20' AND BETWEEN CURB AND SIDEWALK WHERE ADJACENT.
3. SIDEWALK TO BE BROOM FINISHED.

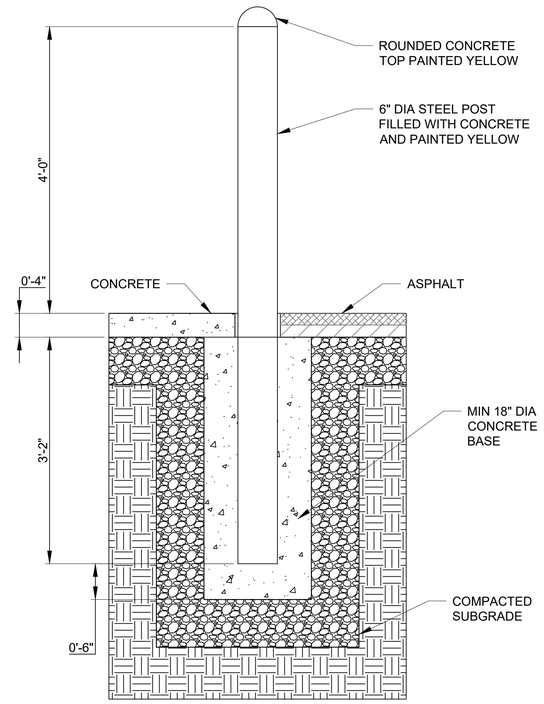
## CONCRETE SIDEWALK

SCALE:NTS




## BIKE RACK DETAIL

SCALE:NTS




## BOLLARD DETAIL

SCALE:NTS

Cosmos TECHNOLOGIES
700 River Ave, Suite 100,
Pittsburgh, PA 15212
(P): 412.321.3951

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
BARRY L. DAVIDSON
ENGINEER
PE-063111

Drawings and Specifications, as instruments of service, are and shall remain the property of the Architect. They are not to be used on extensions of the project, or other projects, except by agreement in writing with appropriate compensation to the Architect.The General Contractor is responsible for confirming and correlating dimensions at the job site. The Architect will not be responsible for construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the project.
© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

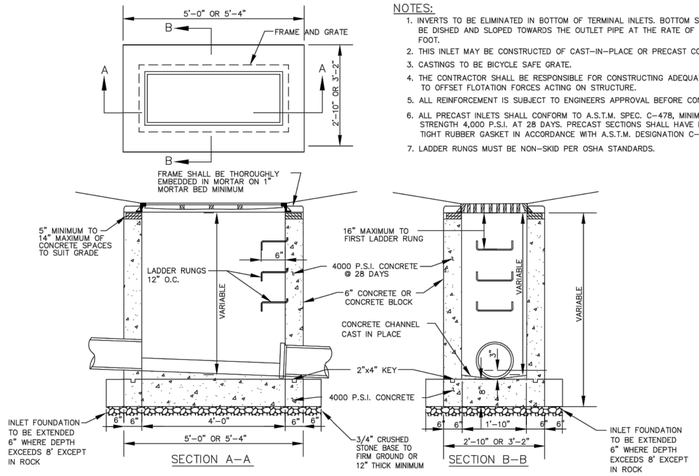
| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| SJD | BLD | 04-10-2023 | 04-10-2023 |

CONSTRUCTION DETAILS

HACP NVH - Family Recreational Area
525Mt Pleasent Road,
Pittsburgh, PA 15214

SHEET NUMBER:

C501

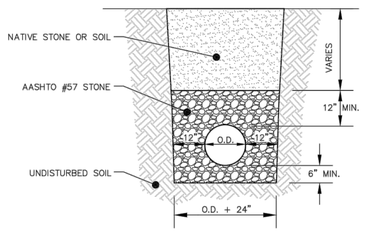



NOTES:

1. INVERTS TO BE ELIMINATED IN BOTTOM OF TERMINAL INLETS. BOTTOM SHALL BE DISHED AND SLOPED TOWARDS THE OUTLET PIPE AT THE RATE OF 2" PER FOOT.
2. THIS INLET MAY BE CONSTRUCTED OF CAST-IN-PLACE OR PRECAST CONCRETE.
3. CASTINGS TO BE BICYCLE SAFE GRATE.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTING ADEQUATE BALLAST TO OFFSET FLOTATION FORCES ACTING ON STRUCTURE.
5. ALL REINFORCEMENT IS SUBJECT TO ENGINEERS APPROVAL BEFORE CONSTRUCTION.
6. ALL PRECAST INLETS SHALL CONFORM TO A.S.T.M. SPEC. C-478, MINIMUM COMPRESSIVE STRENGTH 4,000 P.S.I. AT 28 DAYS. PRECAST SECTIONS SHALL HAVE FLEXIBLE WATER TIGHT RUBBER GASKET IN ACCORDANCE WITH A.S.T.M. DESIGNATION C-361 AND C-443.
7. LADDER RUNGS MUST BE NON-SKID PER OSHA STANDARDS.

## TYPE "M" INLET DETAIL

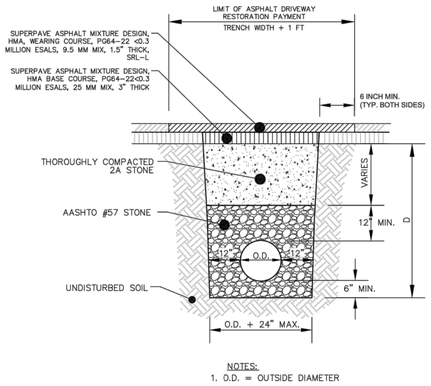
N.T.S.




NOTES:
1. O.D. = OUTSIDE DIAMETER

## PIPE TRENCH DETAIL - UNPAVED AREA

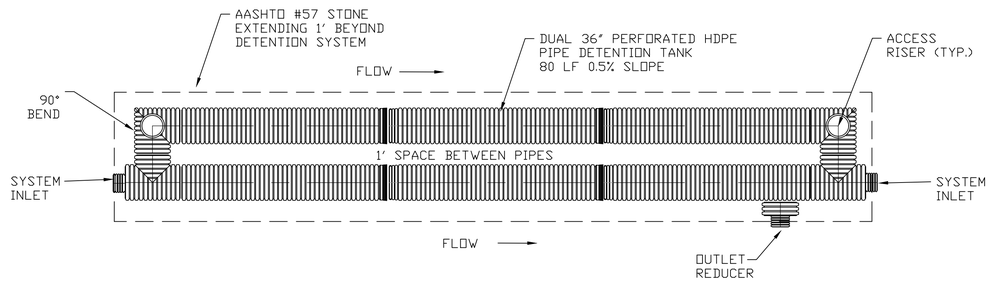
N.T.S.



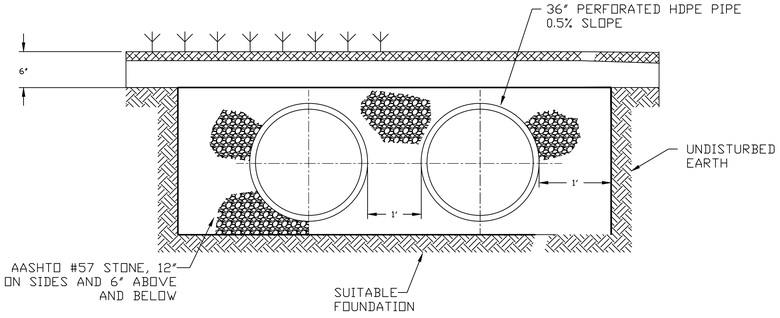

NOTES:
1. O.D. = OUTSIDE DIAMETER

## PIPE TRENCH DETAIL - ASPHALT DRIVEWAY

N.T.S.




## PLAN VIEW



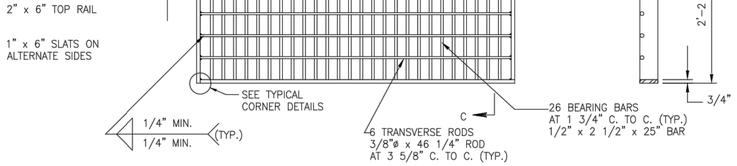

## SECTION VIEW

NOTES:

1. ALL REFERENCES TO CLASS I OR II MATERIAL ARE PER ASTM D2321 "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION.
2. ALL RETENTION AND DETENTION SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, LATEST EDITION AND THE MANUFACTURER'S PUBLISHED INSTALLATION GUIDELINES.
3. MEASURES SHOULD BE TAKEN TO PREVENT THE MIGRATION OF NATIVE FINES INTO THE BACKFILL MATERIAL, WHEN REQUIRED. SEE ASTM D2321.
4. FILTER FABRIC: A GEOTEXTILE FABRIC MAY BE USED AS SPECIFIED BY THE ENGINEER TO PREVENT THE MIGRATION OF FINES FROM THE NATIVE SOIL INTO THE SELECT BACKFILL MATERIAL.
5. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
6. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I OR II. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm); 6" (150mm) FOR 30"-60" (750mm-1500mm).
7. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I OR II IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
8. MINIMUM COVER: MINIMUM COVER OVER ALL RETNETION/DETENTION SYSTEMS IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOATATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER IS 12" UP TO 36" DIAMETER PIPE AND 24" OF COVER FOR 42" - 60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

## UNDERGROUND DETENTION SYSTEM DETAIL

SCALE:NTS




## GRATE NOTES:

1. THIS DETAIL DEPICTS THE DIMENSIONS REQUIRED FOR UNIFORMITY AND INTERCHANGEABILITY. IT DOES NOT INCLUDE DETAILS REQUIRED FOR FABRICATION OR MANUFACTURING. ONLY GRATES SUPPLIED BY A MANUFACTURER LISTED IN BULLETIN 15 SHALL BE PERMITTED.
2. WELD STRUCTURAL STEEL GRATES IN ACCORDANCE WITH THE REQUIREMENTS OF PUBLICATION 408, SECTION 1105.03(R).
3. PROVIDE TRANSVERSE BARS, MEETING THE REQUIREMENTS OF PUBLICATION 408.
4. FABRICATE SLOTS BY BURNING, DRILLING, SHEARING OR PUNCHING. HAVE THE BOTTOM OF ALL BURNED OR DRILLED SLOTS CONFORM TO THE SHAPE OF THE ROD.
5. PROVIDE STRUCTURAL STEEL GRATES WITH THE GRATE SPACERS LOCATED FLUSH ALONG THE TOP SURFACE OF THE GRATE.

## STRUCTURAL STEEL GRATE BICYCLE SAFE

N.T.S.

Cosmos TECHNOLOGIES
700 River Ave, Suite 100,
Pittsburgh, PA 15212
(P): 412.321.3951

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
BARRY L. DAVIDSON
ENGINEER
PE-063111

Drawings and Specifications, as instruments of service, are and shall remain the property of the Architect. They are not to be used on extensions of the project, or other projects, except by agreement in writing with appropriate compensation to the Architect.The General Contractor is responsible for confirming and correlating dimensions at the job site. Architect will not be responsible for any construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the project.
© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

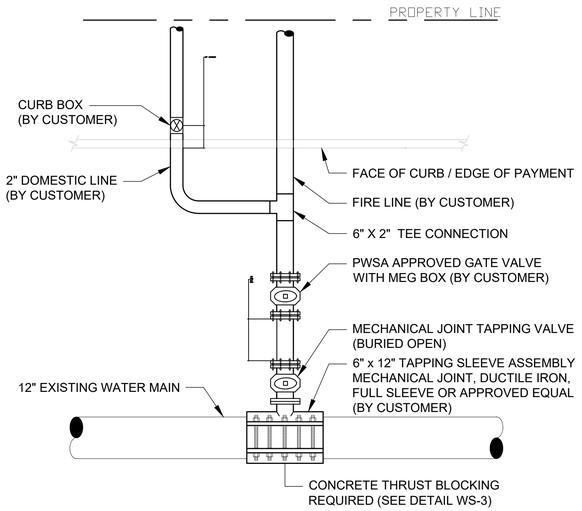
| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| SJD | BLD | 04-10-2023 | 04-10-2023 |

STORMWATER MANAGEMENT CONSTRUCTION DETAILS

HACP NVH - Family Recreational Area
525Mt Pleasent Road,
Pittsburgh, PA 15214

SHEET NUMBER:

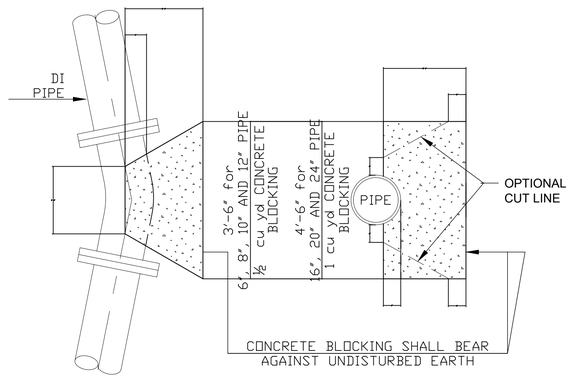
C502




NOTES:
1. PWSA PERFORMS ACTUAL TAP TO MAIN ONLY AND MAINTAINS METER; ALL OTHER WORK BY CUSTOMER.
2. TAPPING TEE SHALL BE FULL SLEEVE; SADDLE STYLE NOT PERMITTED.
3. CUSTOMER IS REQUIRED TO ENTER VALUES FOR ALL DIMENSION FIELDS ABOVE.
4. CUT-IN TEE CONNECTION ALSO ACCEPTABLE AND IS REQUIRED FOR SIZE ON SIZE (e.g. 8" TAP ON 8" MAIN).
5. CENTERING OF TAPPING TEE CONNECTION SHALL BE 18" MINIMUM FROM EXISTING WATER MAIN BELL/HUB OR OTHER EXISTING SERVICE CONNECTIONS.
6. CUSTOMER IS RESPONSIBLE FOR, MAINTANS, AND OWNS, INCLUDING THE TAPPING TEE ASSEMBLY, FROM THE MAIN TO THE BUILDING.
7. ADDITIONAL BACKFLOW PREVENTION (RPZ TYPE) REQUIRED INTERNALLY ON COMMERCIAL OR HIGH HAZARD PROPERTIES.
8. ALL VALVES MUST BE "RIGHT TURN TO OPEN".
9. PRIVATE SERVICE LINE MATERIAL AND EQUIPMENT SHALL CONFORM TO ALLEGHENY COUNTY PLUMBING CODE, ARTICLE XV.

## WS-C1
## SINGLE SERVICE CONNECTION (4" AND LARGER)

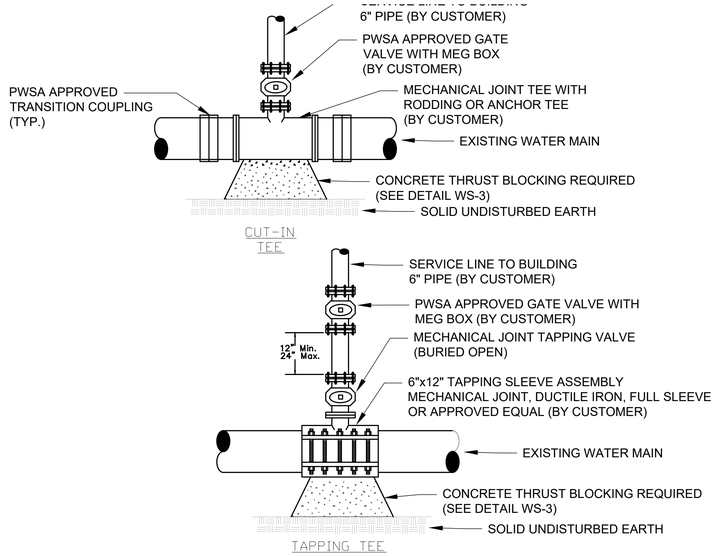
SCALE:NTS




NOTES:
1. CONCRETE THRUST BLOCKING SHALL BE PROVIDED AT ALL TEES, BENDS, CAPS AND PLUGS. IN ADDITION, ALL PIPE BENDS SHALL BE HARNESSED WITH MECHANICAL JOINT RETAINER GLANDS, USEING EITHER SET SCREW OR LUG TYPE RETAINING SYSTEM, AS DIRECTED.
2. CONCRETE THRUST BLOCKS SHALL BE MINIMUM 4000PSI CEMENT CONCRETE.
3. SEE DETAIL WS-VB AND WS-VBL FOR VERTICAL BENDS REQUIREMENTS.

## WS-3
## CONCRETE BLOCKING FOR PRESSURE PIPE

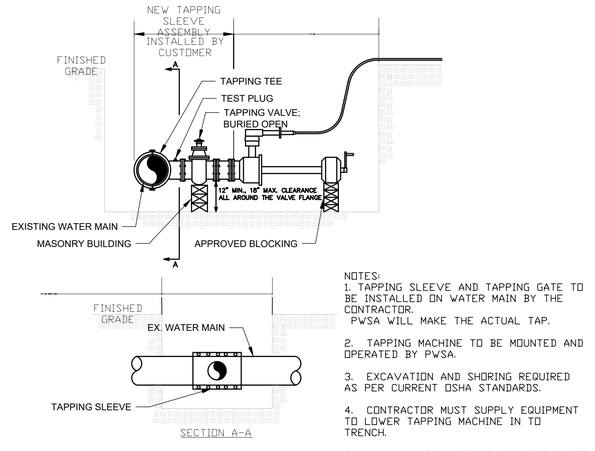
SCALE:NTS




NOTES:
1. PWSA PERFORMS ACTUAL TAP TO MAIN ONLY AND MAINTAINS METER; ALL OTHER WORK BY CUSTOMER.
2. TAPPING TEE SHALL BE FULL SLEEVE; SADDLE STYLE NOT PERMITTED.
3. CUT-IN TEE CONNECTION ALSO ACCEPTABLE AND IS REQUIRED FOR SIZE ON SIZE (e.g. 8" TAP ON 8" MAIN).
4. CENTERING OF TAPPING TEE CONNECTION SHALL BE 18" MINIMUM FROM EXISTING WATER MAIN BELL/HUB OR OTHER EXISTING SERVICE CONNECTIONS.
5. ALL VALVES MUST BE "RIGHT TURN TO OPEN".
6. PRIVATE SERVICE LINE MATERIAL AND EQUIPMENT SHALL CONFORM TO ALLEGHENY COUNTY PLUMBING CODE, ARTICLE XV.
7. MJxMJ TAPPING SLEEVE MAY BE SUBMITTED TO PWSA FOR AN APPROVED OPTION.

## WS-CTT
## CUT-IN TEE AND TAPPING TEE

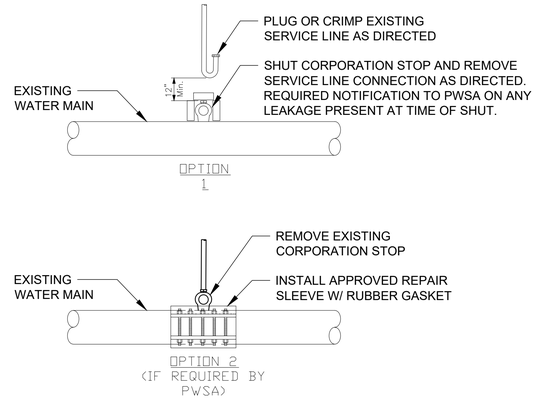
SCALE:NTS




NOTES:
1. TAPPING SLEEVE AND TAPPING GATE TO BE INSTALLED ON WATER MAIN BY THE CONTRACTOR. PWSA WILL MAKE THE ACTUAL TAP.
2. TAPPING MACHINE TO BE MOUNTED AND OPERATED BY PWSA.
3. EXCAVATION AND SHORING REQUIRED AS PER CURRENT OSHA STANDARDS.
4. CONTRACTOR MUST SUPPLY EQUIPMENT TO LOWER TAPPING MACHINE IN TO TRENCH.
5. ALL VALVES MUST BE "RIGHT TURN TO OPEN".

## WS-B
## TRENCH REQUIREMENTS FOR 4" THROUGH 12" LIVE WATER TAP

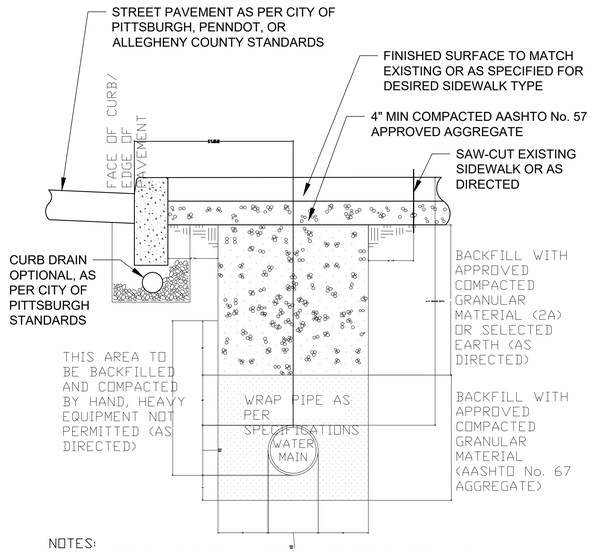
SCALE:NTS




NOTES:
1. OPTION 2 REQUIRES MAIN LINE SHUT; THIS WOULD BE ADDITIONAL PWSA CHARGE.
2. TERMINATION OPTION FROM ABOVE AS DIRECTED BY PWSA

## WS-STS
## TYPICAL WATER TAP SERVICE TERMINATION FOR 2" AND SMALLER CONNECTION

SCALE:NTS




NOTES:
1. ALL TRENCH BACKFILL MATERIAL TO BE PLACED AND MECHANICALLY COMPACTED IN 6" COMPACTED LAYERS.
2. TRENCH BEDDING MAY NEED TO BE MODIFIED IN POOR COMPACTION AREAS.
3. CERTAIN PIPE MATERIALS AND/OR RELATED TRENCH MATERIALS MAY NEED TO BE SUBSTITUTED IF CONTAMINATED SOILS ARE ENCOUNTERED.

## ST-5
## SEPARATED HOUSE LATERAL FOR 2" AND SMALLER CONNECTION

SCALE:NTS

Cosmos TECHNOLOGIES
700 River Ave, Suite 100,
Pittsburgh, PA 15212
(P): 412.321.3951

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
BARRY L. DAVIDSON
ENGINEER
PE-063111

Drawings and Specifications, as instruments of service, are and shall remain the property of the Architect. They are not to be used on extensions of the project, or other projects, except by agreement in writing with appropriate compensation to the Architect.The General Contractor is responsible for confirming and correlating dimensions at the site, all field conditions and coordination of all trades on construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the project.
© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

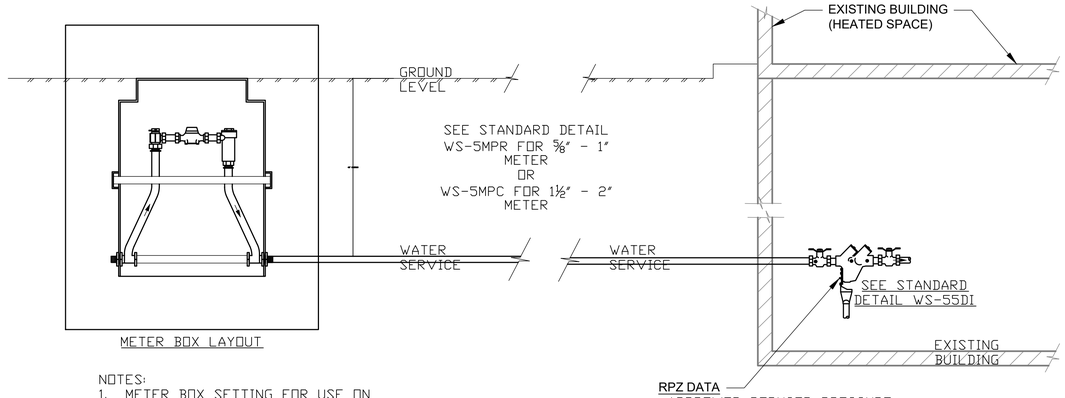
| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| SJD | BLD | 04-10-2023 | 04-10-2023 |

CONSTRUCTION DETAILS

HACP NVH - Family Recreational Area
525Mt Pleasent Road,
Pittsburgh, PA 15214

SHEET NUMBER:

C503




NOTES:
1. METER BOX SETTING FOR USE ON WATER SERVICE METERS 2" AND UNDER.
2. MANDATORY TEST REQUIRED AT TIME OF INSTALLATION PER IPC 312.9.2.

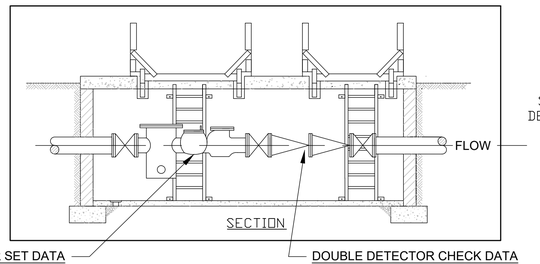
RPZ DATA

APPROVED REDUCED PRESSURE ZONE (RPZ) TYPE BACKFLOW PREVENTION ASSEMBLY PER ASSE No. 1013
(INSTALLED BY OWNER)

SIZE : 2 ½"

MANUFACTURER : WATTS

MODEL # : LF909




SEE STANDARD DETAIL WMV

METER SET DATA

PEAK DOMESTIC DEMAND = TBD GPM

METER SIZE = TBD

DOUBLE DETECTOR CHECK DATA

APPROVED DOUBLE DETECTOR CHECK TYPE BACKFLOW PREVENTION ASSEMBLY PER ASSE No. 1048 (INSTALLED BY OWNER)

SIZE : TBD"

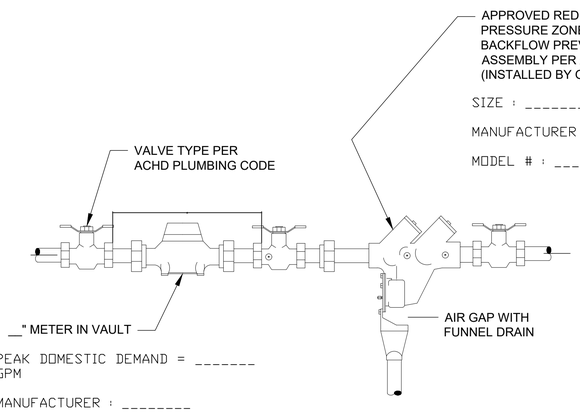
MANUFACTURER : TBD

MODEL # : TBD

METER VAULT LAYOUT

## WS-5MPRPZ
## DOMESTIC SERVICE EXTERNAL METER SETTING COMMERCIAL AND MULTI-FAMILY

SCALE:NTS




PEAK DOMESTIC DEMAND = _____ GPM

MANUFACTURER : _____

MODEL # : _____

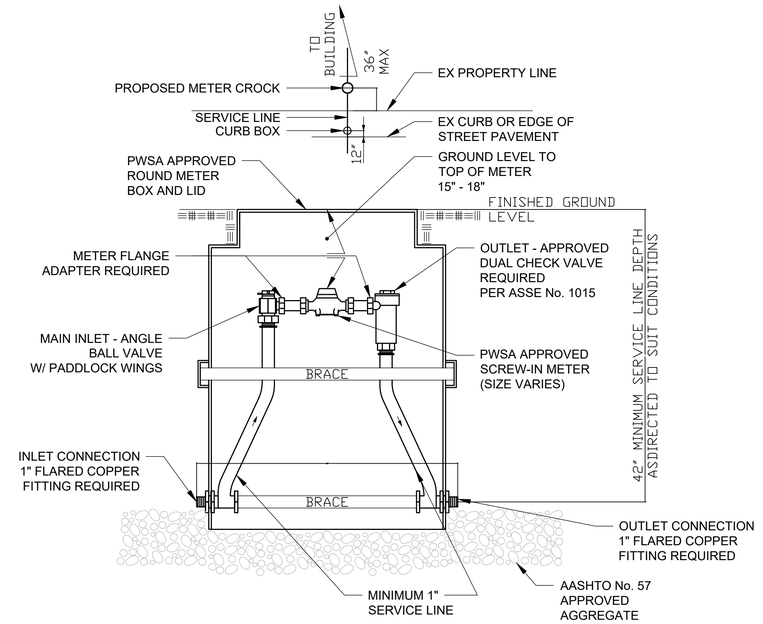
NOTES:
1. METER TO BE INSTALLED IN A WARM, NON-FREESING, ACCESSIBLE AREA WITHIN DWELLING, A MINIMUM OF 2'-0" FROM FLOOR AND A MAXIMUM OF 3'-0" FROM POINT OF ENTRY AND/OR FROM INSIDE WALL.
2. SEE ACHD PLUMBING CODE FOR ADDITIONAL PIPING AND PRESSURE REGULATOR REQUIREMENTS.
3. PROPER METER ACCESS REQUIRED. METER SETTING CAN NOT BE IN A RESTRICTED AREA (EG UNDER STEPS, BEHIND FURNACE OR HOT WATER TANK), OR IN OTHER OBSTRUCTED AREAS IN ANY WAY.
4. METER SETTING VALUES:

| SIZE | COUPLING SPACE A | METER TAIL-PIECE | FLOW (GPM) |
|---|---|---|---|
| 5/8" | 12.5" | 1/2" | 20 |
| 5/8" x 3/4" | 12.5" | 3/4" | 20 |
| 3/4" | 14.25" | 3/4" | 30 |
| 1" | 16.5" | 1" | 50 |

5. THE METER AND MXU SHALL BE PURCHASED FROM AND INSTALLED BY PWSA.
6. METER ASSEMBLY SETTINGS MUST BE INSTALLED BY THE CUSTOMER BEFORE THE METER WILL BE SET INCLUDING METER SIGNAL WIRING.
7. CUSTOMER SHALL PROVIDE PROPER DRAIN AT METER SETTING LOCATION.
8. METER MUST BE INSTALLED IN A HORIZONTAL POSITION ONLY.
9. CUSTOMER TO BE PROVIDE DATA FOR PROPER PWSA SIZING AND PEAK DOMESTIC DEMAND.

## WS-5MPRPZ
## DOMESTIC SERVICE EXTERNAL METER SETTING COMMERCIAL AND MULTI-FAMILY

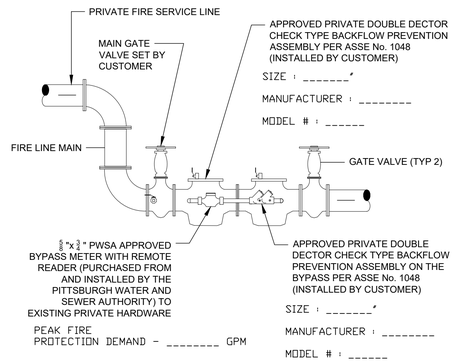
SCALE:NTS




NOTES:
1. METER SETTING ASSEMBLY MUST BE FORD, OR EQUAL, COPPERSETTER WITH DUAL CHECK VALVE OR APPROVED EQUAL PER ASSE No. 1015 COMPLETE WITH MXU.
2. METER BOX SETTING AND PPE ASSEMBLY TO BE CONSTRUCTED BY THE PROPERTY OWNER. THE PWSA IS ONLY RESPONSIBLE FOR THE METER AND MXU READING DEVICE. THE PROPERT OWNER IS RESPONSIBLE FOR ALL OTHER ITEMS, INCLUDING PROTECTING THE PWSA METER AND MXU FROM ABUSE AND/OR FREEZING.
3. METER CROCK BASE TO REMAIN OPEN TO BASE MATERIAL, DO NOT SEAL.

## WS-5MPC
## COMMERCIAL SERVICE EXTERNAL SETTING 1 1/2" - 2" METER

SCALE:NTS




## WS-5FPLH
## TYPICAL PLUMBING SCHEMATIC LOW HAZARD FIRE PROTECTION SERVICE

SCALE:NTS


Cosmos TECHNOLOGIES
700 River Ave, Suite 100,
Pittsburgh, PA 15212
(P): 412.321.3951


COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
BARRY L. DAVIDSON
ENGINEER
PE-063111


Drawings and Specifications, as instruments of service, are and shall remain the property of Tusick & Associates Architects, Inc. They are not to be used on extensions of the project, or other projects, except by agreement in writing with appropriate compensation to the Architect.The General Contractor is responsible for confirming and correlating dimensions at the site. Any discrepancies shall be reported to the Architect before the work is executed. The Architect will not be responsible for construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the project.
© Tusick & Associates Architects, Inc.



TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com


REVISIONS

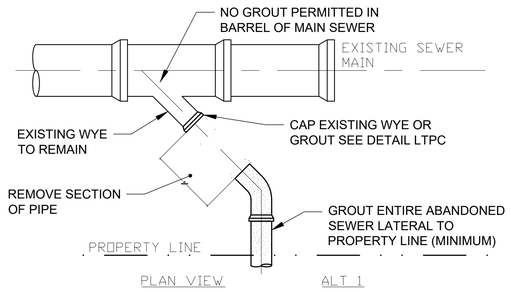
| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| SJD | BLD | 04-10-2023 | 04-10-2023 |

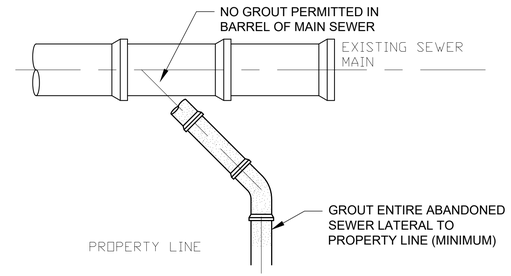
CONSTRUCTION DETAILS

HACP NVH - Family Recreational Area
525Mt Pleasent Road,
Pittsburgh, PA 15214

SHEET NUMBER:

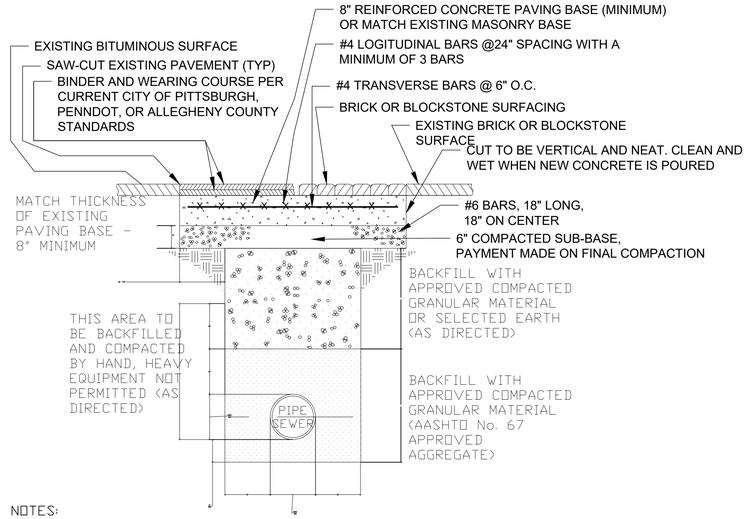
C504




## STL1
## TERMINATION SEWER LATERAL

SCALE:NTS



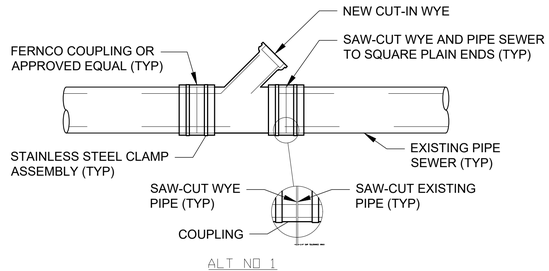

NOTES:
1. ALL TRENCH BACKFILL MATERIAL TO BE PLACED AND MECHANICALLY COMPACTED IN 6" COMPACTED LAYERS.
2. TRENCH BEDDING MAY NEED TO BE MODIFIED IN POOR COMPACTION AREAS.
3. CURTAIN PIPE MATERIALS AND/OR RELATED TRENCH MATERIALS MAY NEED TO BE SUBSTITUTED IF CONTAMINATED SOILS ARE ENCOUNTERED.
4. REINFORCEMENT SHALL BE CONSIDERED INCIDENTAL TO CONCRETE PAVING BASE.
5. PAVING MATERIAL TO MATCH EXISTING STREET SURFACE AND SHALL CONFORM WITH REQUIREMENTS OF OWNER.

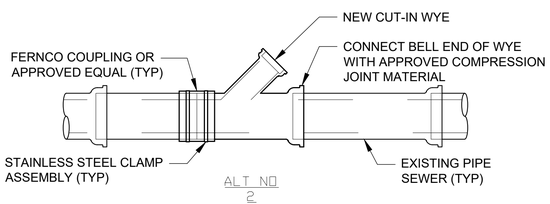
ALTERNATIVE REINFORCEMENT METHOD: WIRE FABRIC REINFORCEMENT MAY BE USED. SMOOTH WIRE (W), DEFORMED WIRE (D), OR A COMBINATION OF BOTH MAY BE USED. THE TRANSVERSE WIRES MAY BE ABOVE OR BELLOW THE LONGITUDINAL WIRES. WIRE SIZE SHALL BE AS PER CHART:

| PAVT DEPTH | MIN. LONG. WIRE SIZE | PAVT DEPTH | MIN. LONG. WIRE SIZE |
|---|---|---|---|
| 8" | W5.5 OR D5 | 8" | W7.5 OR D7 |
| 9" | W6 OR D5.5 | 9" | W8 OR D7.5 |
| 10" | W7 OR D6.5 | 10" | W9 OR D8 |

## SA-1
## SEWER LINE TRENCH AND REPAVING

SCALE:NTS

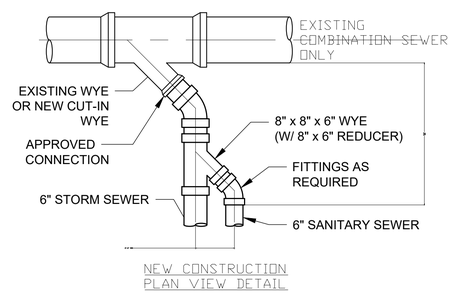



NOTES:
1. SAW-CUT EXISTING PIPE SEWER, NO BREAK-IN OR HAMMER CONNECTIONS PERMITTED. JOINTS MUST BE INSPECTED BY PWSA BEFORE AND AFTER FLEXIBLE COUPLINGS ARE INSTALLED.
2. WYE MATERIAL WILL MATCH SEWER MAIN MATERIAL.
3. PIPE MAIN ID OF NEW WYE SECTION WILL MATCH ID OF EXISTING PIPE SEWER MAIN.
4. WYE LOCATION WILL BE LOCATED AT 2 O'CLOCK OR 10 O'CLOCK ON BARREL OF PIPE SEWER.

## ST-7
## CUT-IN WYE PIPE TRANSITION

SCALE:NTS




## ST-5
## SEPARATED HOUSE LATERAL
## ONE CONNECTION TO MAIN

SCALE:NTS

Cosmos TECHNOLOGIES
700 River Ave, Suite 100,
Pittsburgh, PA 15212
(P): 412.321.3951

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL ENGINEER
BARRY L. DAVIDSON
PE-063111

Drawings and Specifications, as instruments of service, are and shall remain the property of the Architect. They are not to be used on extensions of the project, or other projects, except by agreement in writing with appropriate compensation to the Architect.The General Contractor is responsible for confirming and correlating dimensions at the job site. The Architect will not be responsible for construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the project.
© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

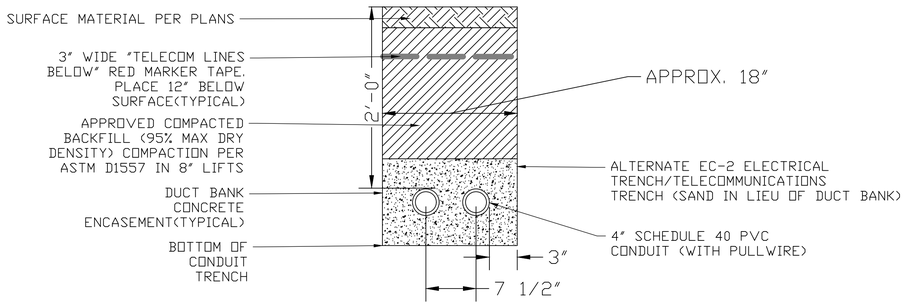
| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| SJD | BLD | 04-10-2023 | 04-10-2023 |

CONSTRUCTION DETAILS

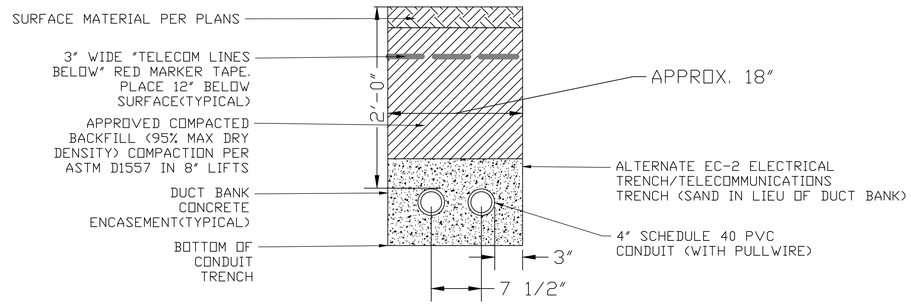
HACP NVH - Family Recreational Area
525Mt Pleasent Road,
Pittsburgh, PA 15214

SHEET NUMBER:

C505



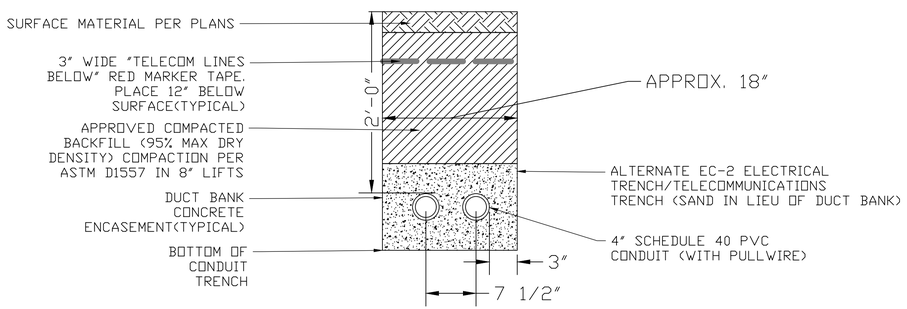

GENERATOR FEEDER DUCT BANK




ELECTRICAL DUCT BANK

## ELECTRICAL TRENCH DETAILS

SCALE:NTS




## TELECOMMUNICATIONS TRENCH DETAIL

SCALE:NTS

Cosmos TECHNOLOGIES
700 River Ave, Suite 100,
Pittsburgh, PA 15212
(P): 412.321.3951

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
BARRY L. DAVIDSON
ENGINEER
PE-063111

Drawings and Specifications, as instruments of service, are and shall remain the property of the Architect. They are not to be used on extensions of the project, or other projects, except by agreement in writing with appropriate compensation to the Architect.The General Contractor is responsible for confirming and correlating dimensions at the job site. The Architect will not be responsible for any construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the project.
© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| SJD | BLD | 04-10-2023 | 04-10-2023 |

CONSTRUCTION DETAILS

HACP NVH - Family Recreational Area
525Mt Pleasent Road,
Pittsburgh, PA 15214

SHEET NUMBER:

C506

## E&S PLAN LEGEND:

EROSION CONTROL BLANKET

COMPOST FILTER SOCK AND DIAMETER 12"

INLET PROTECTION

ROCK CONSTRUCTION ENTRANCE RCE

N/F HOUSING AUTHORITY OF THE CITY OF PITTSBURGH
B & L 77-D-00046
525 MOUNT PLEASANT ROAD
(NORTHVIEW HEIGHTS)

CHICAGO STREET

MOUNT PLEASANT ROAD

NORTHVIEW HEIGHTS PLAYGROUND

Ex. Residence Building

Ex. Highrise Building

Ex. Building

Allegheny Co. Landslide area

Ex CB077H005

Ex CB077H006

Ex CB077H003 Top:1194.16 Inv: ?

Ex CB077H018 Top:1190.59 Inv: ?

Ex CB077H029 Top:1189.06 Inv: ?

Ex CB077H014 Top:1182.83 Inv: ?

Ex CB077H015 Top:1182.69 Inv:1179.80 4" Inv:1176.04

Ex Inlet Top:1181.66 Inv:?

Ex CB077H016

Ex CB078E007 Top:1166.72 Inv: ?

San MH077H033 Top:1191.12 Inv in:1177.65 18"TC Inv out:1177.52 18"TC

San MH077H034 Top:1184.14 Inv in:1175.28 18"TC Inv in:1175.47 12"TC Inv out:1175.25 18"TC

San MH077H035 Top:1182.47 Inv in:1176.94 12"TC Inv in:1176.61 12"TC Inv out:1176.40 15"TC

San MH078E002

City Man

6" Waterline 5' Depth

8" Waterline 4' Depth

4" Undrn

Conc Walk

Conc Pave

Lndscp

Curb Cut

Sign

Bench

Trash Recep

Bike Rack

Drinking Fountain

Swing Set

Play Equipment

Sandbox

Unknown Utility

18" Ash

30" Oak

24" Oak

18" Oak

15" Pine

12" Pine

**CALL BEFORE YOU DIG!**

THE CONTRACTOR IS RESPONSIBLE TO CALL 811 AT LEAST THREE BUSINESS DAYS BEFORE STARTING ANY DIGGING OR EXCAVATION PROJECT, AS REQUIRED BY LAW.

PENNSYLVANIA ONE CALL SYSTEM, INC.

PENNSYLVANIA ONE CALL SYSTEM, INC. 1-800-242-1776 STOP CALL BEFORE YOU DIG!

N

0 10 20 40 Feet

1 inch = 20 feet


Cosmos TECHNOLOGIES
700 River Ave, Suite 100,
Pittsburgh, PA 15212
(P): 412.321.3951


COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
BARRY L. DAVIDSON
ENGINEER
PE-063111


Drawings and Specifications, as instruments of service, are and shall remain the property of the Architect. They are not to be used on extensions of the project, or other projects, except by agreement in writing with appropriate compensation to the Architect.The General Contractor is responsible for confirming and correlating dimensions at the site. Do not scale drawings. The Contractor is responsible for all construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the project.
© Tusick & Associates Architects, Inc.



TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com


REVISIONS

| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| SJD | BLD | 04-10-2023 | 04-10-2023 |

EROSION & SEDIMENT CONTROL PLAN

HACP NVH - Family Recreational Area
525Mt Pleasant Road,
Pittsburgh, PA 15214

SHEET NUMBER:

C601

## GENERAL NOTES:

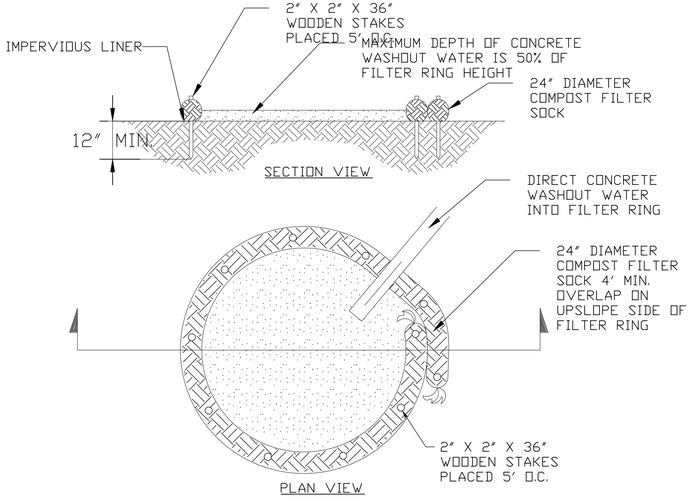
1. ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING AS WELL AS CUTS AND FILLS SHALL BE DONE IN ACCORDANCE WITH THE APPROVED E&S PLAN. A COPY OF THE APPROVED DRAWINGS (STAMPED, SIGNED AND DATED BY THE REVIEWING AGENCY) MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE REVIEWING AGENCY SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. THE REVIEWING AGENCY MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
2. AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, THE OWNER AND/OR OPERATOR SHALL INVITE ALL CONTRACTORS, THE LANDOWNER, APPROPRIATE MUNICIPAL OFFICIALS, THE E&S PLAN PREPARER, AND A REPRESENTATIVE FROM THE LOCAL CONSERVATION DISTRICT TO AN ON-SITE PRECONSTRUCTION MEETING.
3. AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
4. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS. DEVIATION FROM THAT SEQUENCE MUST BE APPROVED IN WRITING FROM THE LOCAL CONSERVATION DISTRICT OR BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEPARTMENT) PRIOR TO IMPLEMENTATION.
5. AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL.
6. CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE CONSTRUCTION SEQUENCE. GENERAL SITE CLEARING, GRUBBING AND TOPSOIL STRIPPING MAY NOT COMMENCE IN ANY STAGE OR PHASE OF THE PROJECT UNTIL THE E&S BMPS SPECIFIED BY THE BMP SEQUENCE FOR THAT STAGE OR PHASE HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN THIS E&S PLAN.
7. AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS. THESE AREAS MUST BE CLEARLY MARKED AND FENCED OFF BEFORE CLEARING AND GRUBBING OPERATIONS BEGIN.
8. TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATION(S) SHOWN ON THE PLAN MAPS(S) IN THE AMOUNT NECESSARY TO COMPLETE THE FINISH GRADING OF ALL EXPOSED AREAS THAT ARE TO BE STABILIZED BY VEGETATION. EACH STOCKPILE SHALL BE PROTECTED IN THE MANNER SHOWN ON THE PLAN DRAWINGS. STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET. STOCKPILE SLOPES SHALL BE 2H:1V OR FLATTER.
9. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY THE LOCAL CONSERVATION DISTRICT AND/OR THE REGIONAL OFFICE OF THE DEPARTMENT.
10. ALL BUILDING MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA. CODE 260.1 ET SEQ., 271.1, AND 287.1 ET. SEQ. NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT THE SITE.
11. ALL OFF-SITE WASTE AND BORROW AREAS MUST HAVE AN E&S PLAN APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT FULLY IMPLEMENTED PRIOR TO BEING ACTIVATED.
12. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL BROUGHT ON SITE IS CLEAN FILL. FORM FP-001 MUST BE RETAINED BY THE PROPERTY OWNER FOR ANY FILL MATERIAL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE BUT QUALIFYING AS CLEAN FILL DUE TO ANALYTICAL TESTING.
13. ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE USING A PUMPED WATER FILTER BAG, OVER UNDISTURBED VEGETATED AREAS.
14. VEHICLES AND EQUIPMENT MAY NEITHER ENTER DIRECTLY NOR EXIT DIRECTLY FROM LOTS (SPECIFY LOT NUMBERS) ONTO (SPECIFY ROAD NAMES) .
15. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPS SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPS AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING AND RENETTING MUST BE PERFORMED IMMEDIATELY. IF THE E&S BMPS FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPS, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
16. A LOG SHOWING DATES THAT E&S BMPS WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO REGULATORY AGENCY OFFICIALS AT THE TIME OF INSPECTION.
17. SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEPT INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.
18. ALL SEDIMENT REMOVED FROM BMPS SHALL BE DISPOSED OF UPSLOPE OF AN ESTABLISHED E&S BMP AS NOTED IN THE PLAN DRAWINGS.
19. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 TO 5 INCHES —6 TO 12 INCHES ON COMPACTED SOILS —PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM 4 INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. FILL OUTSLOPES SHALL HAVE A MINIMUM OF 2 INCHES OF TOPSOIL.
20. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
21. ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 8 INCHES IN THICKNESS.
22. FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
23. FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
24. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
25. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE.
26. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA OF THE PROJECT, THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS. DURING NON-GERMINATING MONTHS, MULCH OR PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE PLAN. AREAS NOT AT FINISHED GRADE, WHICH WILL BE REACTIVATED WITHIN 1 YEAR, MAY BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN 1 YEAR SHALL BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION SPECIFICATIONS.
27. PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70% VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION. CUT AND FILL SLOPES SHALL BE CAPABLE OF RESISTING FAILURE DUE TO SLUMPING, SLIDING, OR OTHER MOVEMENTS.
28. E&S BMPS SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT.
29. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT FOR AN INSPECTION PRIOR TO REMOVAL/CONVERSION OF THE E&S BMPS.
30. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMPS MUST BE REMOVED OR CONVERTED TO PERMANENT POST CONSTRUCTION STORMWATER MANAGEMENT BMPS. AREAS DISTURBED DURING REMOVAL OR CONVERSION OF THE BMPS SHALL BE STABILIZED IMMEDIATELY. IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON.
31. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT TO SCHEDULE A FINAL INSPECTION.
32. FAILURE TO CORRECTLY INSTALL E&S BMPS, FAILURE TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING THE CONSTRUCTION SITE, OR FAILURE TO TAKE IMMEDIATE CORRECTIVE ACTION TO RESOLVE FAILURE OF E&S BMPS MAY RESULT IN ADMINISTRATIVE, CIVIL, AND/OR CRIMINAL PENALTIES BEING INSTITUTED BY THE DEPARTMENT AS DEFINED IN SECTION 602 OF THE PENNSYLVANIA CLEAN STREAMS LAW. THE CLEAN STREAMS LAW PROVIDES FOR UP TO $10,000 PER DAY IN CIVIL PENALTIES, UP TO $10,000 IN SUMMARY CRIMINAL PENALTIES, AND UP TO $25,000 IN MISDEMEANOR CRIMINAL PENALTIES FOR EACH VIOLATION.

## STAGING OF CONSTRUCTION ACTIVITIES:

THE FOLLOWING SEQUENCE OF CONSTRUCTION ACTIVITIES HAVE BEEN DEVELOPED TO PROVIDE THE CONTRACTOR WITH A GENERAL PROCEDURE FOR THE CONSTRUCTION OF THE PROPOSED IMPROVEMENT. THE PROCEDURE IS INTENDED TO ADDRESS THE POTENTIAL FOR SEDIMENT POLLUTION AND ACCELERATED EROSION AS A RESULT OF THE PROJECT CONSTRUCTION.

SEQUENCE OF CONSTRUCTION:

1. INSTALL ROCK CONSTRUCTION ENTRANCE AT THE ANTICIPATED ENTRANCE TO THE CONSTRUCTION AREA.
2. INSTALL SEDIMENT FILTER BAG INLET PROTECTION IN THE EXISTING DRAINS WITHIN THE PROJECT LIMITS OF DISTURBANCE, IF IDENTIFIED IN THE FIELD. INSTALL SUPPLEMENTAL INLET PROTECTION TO AVOID SEDIMENTATION OF THE STORM SEWER SYSTEM.
3. INSTALL COMPOST FILTER SOCK IN THE ALIGNMENTS PRESENTED ON THE E&SPC PLAN DRAWINGS.
4. ESTABLISH TOPSOIL STOCKPILE AREA.
5. DEMOLISH THE EXISTING HARDSCAPE FEATURES AS NOTED IN THE BID DOCUMENTS.
6. PERFORM CLEAR AND GRUBBING ACTIVITIES WITHIN THE PROJECT LIMITS OF DISTURBANCE TO REMOVE THE EXISTING VEGETATION NOT DEMARCATED BY TEMPORARY PROTECTIVE FENCING.
7. REMOVE TOPSOIL AND STOCKPILE AT THE DESIGNATED ONSITE LOCATION FOR REUSE PRIOR TO ESTABLISHING PERMANENT VEGETATIVE STABILIZATION.
8. PERFORM ROUGH EARTHWORK ACTIVITIES AS PRESENTED ON THE E&SPC PLAN DRAWINGS.
9. ESTABLISH CONCRETE WASHOUT FACILITY ONSITE FOR WASHING OF CONCRETE TRUCKS.
10. INSTALL PROPOSED HARDSCAPE FEATURES AND PERFORM FINE GRADING ACTIVITIES, APPLYING THE STOCKPILED TOPSOIL TO AREAS TO BE SEEDED.
11. APPLY MULCH OR THE PERMANENT SEED MIX TO THE NON-PAVED AREAS TO STABILIZED, AS INDICATED IN THE BID DOCUMENTS.
12. RETAIN EROSION AND SEDIMENT CONTROLS IN PLACE UNTIL 70% UNIFORM PERENNIAL VEGETATIVE STABILIZATION IS ACHIEVED AT AREAS TO BE SEEDED OR UNTIL EXPOSED EARTH SURFACES ARE COVERED WITH A PERMANENT AGGREGATE, MULCH, OR HARDSCAPE MATERIAL.
13. REMOVE EROSION AND SEDIMENT CONTROLS UPON STABILIZATION OF ALL SURFACES.




## CONCRETE WASHOUT FACILITY

SCALE: NTS


Cosmos TECHNOLOGIES
700 River Ave, Suite 100,
Pittsburgh, PA 15212
(P): 412.321.3951


COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
BARRY L. DAVIDSON
ENGINEER
PE-063111


Drawings and Specifications, as instruments of service, are and shall remain the property of the Architect. They are not to be used on extensions of the project, or other projects, except by agreement in writing with appropriate compensation to the Architect. The General Contractor is responsible for confirming and correlating dimensions at the job site. The Architect will not be responsible for construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the project.
© Tusick & Associates Architects, Inc.



TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com


REVISIONS

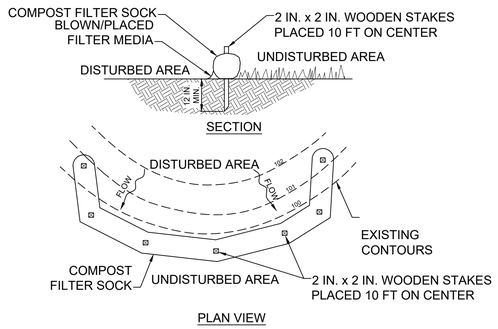
| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| SJD | BLD | 04-10-2023 | 04-10-2023 |

EROSION & SEDIMENT CONTROL DETAILS

HACP NVH - Family Recreational Area
525Mt Pleasent Road,
Pittsburgh, PA 15214

SHEET NUMBER:

C602

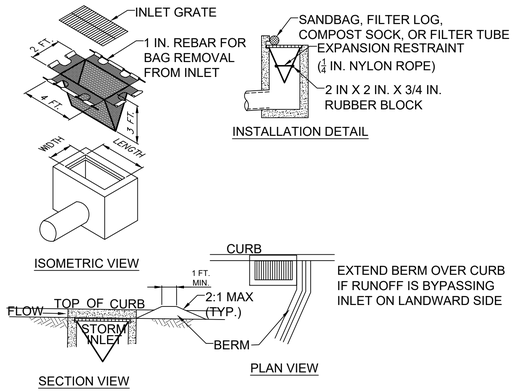



NOTES:

1. SOCK FABRIC SHALL MEET STANDARDS OF TABLE 4.1 OF THE PADEP EROSION CONTROL MANUAL. COMPOST SHALL MEET THE STANDARDS OF TABLE 4.2 OF THE PADEP EROSION CONTROL MANUAL.
2. COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE BARRIER SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY BARRIER SHALL NOT EXCEED THAT SPECIFIED FOR THE SIZE OF THE SOCK AND THE SLOPE OF ITS TRIBUTARY AREA.
3. TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS.
4. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.
5. COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.
6. BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

## COMPOST FILTER SOCK

SCALE: NTS

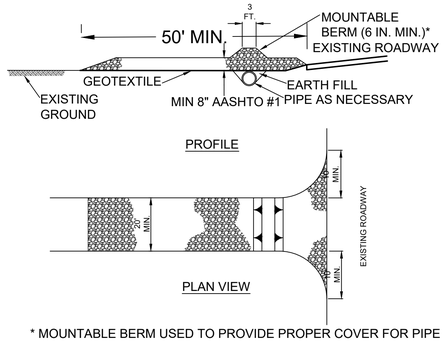



NOTES:

1. MAXIMUM DRAINAGE AREA = 1/2 ACRE.
2. ROLLED EARTHEN BERM SHALL BE MAINTAINED UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. SIX INCH MINIMUM HEIGHT ASPHALT BERM SHALL BE MAINTAINED UNTIL ROADWAY SURFACE RECEIVES FINAL COAT.
3. AT A MINIMUM, THE FABRIC SHALL HAVE A MINIMUM GRAB TENSILE STRENGTH OF 120 LBS, A MINIMUM BURST STRENGTH OF 200 PSI, AND A MINIMUM TRAPEZOIDAL TEAR STRENGTH OF 50 LBS. FILTER BAGS SHALL BE CAPABLE OF TRAPPING ALL PARTICLES NOT PASSING A NO. 40 SIEVE.
4. INLET FILTER BAGS SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT. BAGS SHALL BE EMPTIED AND RINSED OR REPLACED WHEN HALF FULL OR WHEN FLOW CAPACITY HAS BEEN REDUCED SO AS TO CAUSE FLOODING OR BYPASSING OF THE INLET. DAMAGED OR CLOGGED BAGS SHALL BE REPLACED. A SUPPLY SHALL BE MAINTAINED ON SITE FOR REPLACEMENT OF BAGS. ALL NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER THE INSPECTION. DISPOSE OF ACCUMULATED SEDIMENT AS WELL AS ALL USED BAGS ACCORDING TO THE PLAN NOTES.
5. DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.

## FILTER BAG INLET PROTECTION - TYPE C INLET

SCALE: NTS



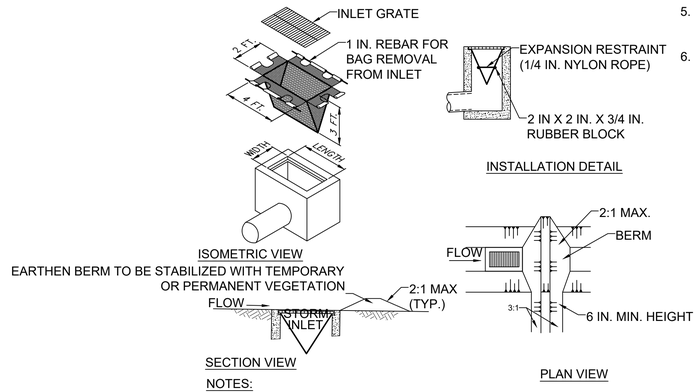

* MOUNTABLE BERM USED TO PROVIDE PROPER COVER FOR PIPE

NOTES:

1. REMOVE TOPSOIL PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE. EXTEND ROCK OVER FULL WIDTH OF ENTRANCE.
2. RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.
3. MOUNTABLE BERM SHALL BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE IS USED AND PROPER PIPE COVER AS SPECIFIED BY MANUFACTURER IS NOT OTHERWISE PROVIDED. PIPE SHALL BE SIZED APPROPRIATELY FOR SIZE OF DITCH BEING CROSSED.
4. MAINTENANCE: ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON ROADWAY, EXTEND LENGTH OF ROCK CONSTRUCTION ENTRANCE BY 50 FOOT INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH RACK. WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.

## ROCK CONSTRUCTION ENTRANCE

SCALE: NTS

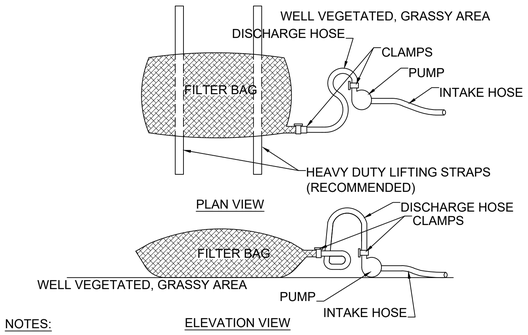



NOTES:

1. MAXIMUM DRAINAGE AREA = 1/2 ACRE.
2. ROLLED EARTHEN BERM IN ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM ON ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. EARTHEN BERM IN CHANNEL SHALL BE MAINTAINED UNTIL PERMANENT STABILIZATION IS COMPLETED OR REMAIN PERMANENTLY.
3. AT A MINIMUM, THE FABRIC SHALL HAVE A MINIMUM GRAB TENSILE STRENGTH OF 120 LBS., A MINIMUM BURST STRENGTH OF 200 PSI, AND A MINIMUM TRAPEZOIDAL TEAR STRENGTH OF 50 LBS. FILTER BAGS SHALL BE CAPABLE OF TRAPPING ALL PARTICLES NOT PASSING A NO. 40 SIEVE.
4. INLET FILTER BAGS SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT. BAGS SHALL BE EMPTIED AND RINSED OR REPLACED WHEN HALF FULL OR WHEN FLOW CAPACITY HAS BEEN REDUCED SO AS TO CAUSE FLOODING OR BYPASSING OF THE INLET. DAMAGED OR CLOGGED BAGS SHALL BE REPLACED. A SUPPLY SHALL BE MAINTAINED ON SITE FOR REPLACEMENT OF BAGS. ALL NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER THE INSPECTION. DISPOSE ACCUMULATED SEDIMENT AS WELL AS ALL USED BAGS ACCORDING TO THE PLAN NOTES.
5. DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.

## FILTER BAG INLET PROTECTION - TYPE M INLET

SCALE: NTS




NOTES:

LOW VOLUME FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH, DOUBLE STITCHED "J" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS. HIGH VOLUME FILTER BAGS SHALL BE MADE FROM WOVEN GEOTEXTILES THAT MEET THE FOLLOWING STANDARDS:

| PROPERTY | TEST METHOD | MINIMUM STANDARD |
|---|---|---|
| AVG. WIDE WIDTH STRENGTH | ASTM D-4884 | 60 LB/IN |
| GRAB TENSILE | ASTM D-4632 | 205 LB |
| PUNCTURE | ASTM D-4833 | 110 LB |
| MULLEN BURST | ASTM D-3786 | 350 PSI |
| UV RESISTANCE | ASTM D-4355 | 70% |
| AOS % RETAINED | ASTM D-4751 | 80 SIEVE |

1. A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES SHALL BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL OF SEDIMENT. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. BAGS SHALL BE PLACED ON STRAPS TO FACILITATE REMOVAL UNLESS BAGS COME WITH LIFTING STRAPS ALREADY ATTACHED.
2. BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA, AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE DISCHARGE CAPACITY. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5%. FOR SLOPES EXCEEDING 5%, CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS.
3. NO DOWNSLOPE SEDIMENT BARRIER IS REQUIRED FOR MOST INSTALLATIONS. COMPOST BERM OR COMPOST FILTER SOCK SHALL BE INSTALLED BELOW BAGS LOCATED IN HQ OR EV WATERSHEDS, WITHIN 50 FEET OF ANY RECEIVING SURFACE WATER OR WHERE GRASSY AREA IS NOT AVAILABLE.
4. THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE.
5. THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHALL BE FLOATING AND SCREENED.
6. FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

## PUMPED WATER FILTER BAG

SCALE: NTS

Cosmos TECHNOLOGIES
700 River Ave, Suite 100,
Pittsburgh, PA 15212
(P): 412.321.3951

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
BARRY L. DAVIDSON
ENGINEER
PE-063111

Drawings and Specifications, as instruments of service, are and shall remain the property of the Architect. They are not to be used on extensions of the project, or other projects, except by agreement in writing with appropriate compensation to the Architect. The General Contractor is responsible for confirming and correlating dimensions at the job site. Do not scale drawings. Work not specifically shown or noted, but reasonably inferable as required for construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the project.
© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| SJD | BLD | 04-10-2023 | 04-10-2023 |

EROSION & SEDIMENT CONTROL DETAILS

HACP NVH - Family Recreational Area
525Mt Pleasent Road,
Pittsburgh, PA 15214

SHEET NUMBER:

C603

## GENERAL NOTES - DIVISION 1

1. THESE GENERAL DESIGN AND CONSTRUCTION NOTES ARE INTENDED TO BE INTERPRETED IN COMBINATION WITH THE PROJECT ARCHITECTURAL AND STRUCTURAL DRAWINGS AND SPECIFICATIONS. IN THE EVENT OF ANY INCONSISTENCY, THE MORE STRINGENT REQUIREMENT SHALL APPLY. IN THE EVENT OF ANY QUESTION OF INTERPRETATION, THE DECISION OF THE ENGINEER SHALL PREVAIL.
2. ALL DETAILS, SECTIONS, AND NOTES SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS, UNO.
3. NO CHANGE IN SIZE, DIMENSION OR POSITION OF STRUCTURAL ELEMENTS SHALL BE MADE WITHOUT THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD.
4. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE STARTING CONSTRUCTION AND/OR SUBMITTING SHOP DRAWINGS. ANY DISCREPANCIES SHALL BE REPORTED TO THE STRUCTURAL ENGINEER OF RECORD.
5. REFER TO ARCHITECTURAL, CIVIL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR DIMENSIONS AND LOCATIONS OF OPENINGS, INSERTS, DEPRESSIONS, EQUIPMENT PADS, DRIPS, REVEALS, FINISHES, AND OTHER SUCH PROJECT REQUIREMENTS NOT SHOWN ON STRUCTURAL DRAWINGS.
6. SUBMIT DIMENSION COORDINATED SHOP DRAWINGS SHOWING THE LOCATIONS OF ALL SLEEVES AND OPENINGS REQUIRED BY ALL TRADES THROUGH STRUCTURAL ELEMENTS. ANY ADDITIONAL OPENINGS NOT SHOWN ON SHOP DRAWINGS WILL REQUIRE WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD.
7. TAKE ALL MEASURES NECESSARY TO PROTECT EXISTING AND NEW UTILITIES AND BUILDINGS AND ASSUME FULL RESPONSIBILITY FOR ANY DAMAGE DURING CONSTRUCTION. RESTORATION OF DAMAGED AREAS SHALL BE TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.
8. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR DETAILED INFORMATION REGARDING FINISHES, WATERPROOFING, LOCATIONS OF NON-LOAD BEARING PARTITIONS, EXTERIOR FACE OF BUILDING, ETC.
9. DO NOT REPRODUCE ANY PORTION OF THE STRUCTURAL CONTRACT DRAWINGS FOR RESUBMITTAL AS SHOP DRAWINGS. SHOP DRAWINGS PRODUCED IN SUCH A MANNER WILL BE REJECTED AND RETURNED.

## CODES AND STANDARDS

1. THE FOLLOWING CODES AND STANDARDS, INCLUDING ALL SPECIFICATIONS REFERENCED WITHIN, APPLY TO THE DESIGN AND CONSTRUCTION OF THIS PROJECT:

   a. ICC, INTERNATIONAL BUILDING CODE - IBC 2018
   b. ASCE 7-10, "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES"
   c. ACI 318-11, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE

## STRUCTURAL TESTS AND INSPECTIONS

1. STRUCTURAL TESTS AND INSPECTIONS SHALL COMPLY WITH THE REQUIREMENTS OF IBC 2009 CHAPTER 17, AND THE PROJECT SPECIFICATIONS.

2. THE PROJECT IS EXEMPT FROM THE REQUIREMENTS OF IBC 2009 SECTIONS 1704 & 1706 THRU 1709.

## BUILDING LOADS

1. UNFACTORED COLUMNS REACTIONS PROVIDED BY BISON BUILDING SYSTEMS.

2. SUPERIMPOSED SLAB LOADING:

| | DEAD | SNOW |
|---|---|---|
| a. ROOF | 10 psf | 25 psf |

## FOUNDATIONS AND EARTHWORK - DIVISION 2

1. FOUNDATIONS

   a. FOUNDATION DESIGN IS BASE ON ALLOWABLE NET BEARING CAPACITY OF 2.0 KSF. NO SOIL REPORT WAS COMPLETED THEREFORE THE ALLOWABLE SOIL PRESSURE IS BASED OFF OF PRESUMPTIVE LOAD BEARING VALUE IN TABLE 1806.2 OF IBC 2018.

   b. CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER APPROX 48 HOURS BEFORE THE FIRST FOOTINGS ARE TO BE POURED AND SHALL NOT PROCEED UNTIL THE SUB-BASE CONDITIONS HAVE BEEN INSPECTED AND APPROVED BY THE ENGINEER.

2. SOIL SUPPORTED FOOTINGS SHALL BEAR ON UNDISTURBED NATURAL SUBGRADE AS INDICATED. SUBGRADE SHALL BE FREE OF ORGANIC MATERIAL, FROST, WATER AND UNSUITABLE SOIL.

3. EXTERIOR FOOTING SUBGRADES SHALL BE LOCATED A MINIMUM OF 42" BELOW FINAL GRADE FOR FROST CONSIDERATIONS.

4. AFTER THE EXCAVATED AREAS ARE CLEANED OF LOOSE MATERIAL AND PRIOR TO PLACING CONCRETE, THE SUBGRADE FOR ALL FOUNDATIONS AND SLABS SHALL BE INSPECTED AND APPROVED BY THE OWNER'S GEOTECHNICAL ENGINEER.

5. UTILITIES SHALL NOT BE LOCATED BENEATH FOUNDATIONS UNLESS SPECIFICALLY INDICATED ON THE STRUCTURAL DRAWINGS.

6. PROVIDE 6" DIAMETER PERFORATED PVC OR CORRUGATED SLOTTED PE PIPE AT ALL PERIMETER FROST WALL FOUNDATION LOCATIONS. SEE FIGURE 6 IN GEOTECHNICAL REPORT FOR DRAINAGE AND BACKFILL REQUIREMENTS.

## WOOD

W-1. ALL WOOD DESIGN AND CONSTRUCTION TO CONFORM TO THE ANSI/NFoPA NDS-LATEST "SPECIFICATION FOR WOOD CONSTRUCTION".

W-2. ALL WOOD MEMBERS SHOULD BE OF SOUTHERN YELLOW PINE No. 1 OR BETTER. FOR WOOD EXPOSED TO OUTSIDE ELEMENTS, PROVIDE TREATED LUMBER OF THE SAME GRADE.

W-3. ALL TREATED LUMBER SHALL HAVE A PRESERVATION RETENTION OF 0.40 PCF FOR GROUND CONTACT AND 0.60 PCF FOR PERMANANT FOUNDATION APPLICATION.

W-4. PRESERVATIVE USED SHALL CONFORM TO THE A.W.P.A. AND A.L.S.C. STANDARDS.

W-5. ALL LUMBER SHALL HAVE THE TYPICAL QUALITY MARK FOR TREATED LUMBER SUCH THAT FIELD VERIFICATION CAN BE MADE.

W-6. ALL MULTI-PLY LVL MEMBERS TO BE CINCHED PER MANUFACTURERS RECOMMENDATION PRIOR TO LOADING.

W-7. ALL JOISTS TO BE FACE HUNG ON LVL'S USING SIMPSON JOIST HANGER FOR JOIST SIZE SPECIFIED.

W-8. ALL ROOF SHEATHING TO BE MINIMUM 5/8" OSB. PROVIDE EXPANSION CLIPS AND KEEP DRY.

## CAST-IN-PLACE-CONCRETE- DIVISION 3

1. PROVIDE CAST-IN-PLACE CONCRETE FOR EACH CLASS OF CONCRETE SHOWN IN THE CONCRETE MATERIAL SCHEDULE AND AS REQUIRED BY CONSTRUCTION METHODS & SCHEDULES.
2. REINFORCING SHALL BE AS FOLLOWS:
   a. CONVENTIONAL DEFORMED REINFORCING BARS NOT INDICATED TO BE WELDED-ASTM A615, GRADE 60.
   b. CONVENTIONAL DEFORMED REINFORCING BARS INDICATED TO BE WELDED-ASTM A615, GRADE 60.
   c. WELDED WIRE REINFORCEMENT-ASTM A185, SUPPLIED IN FLAT SHEETS.
3. CONCRETE COVER OVER REINFORCING SHALL BE AS FOLLOWS, UNO:
   a. CONCRETE CAST AGAINST & PERMANENTLY EXPOSED TO EARTH OR WEATHER-3". 3
   b. REINFORCING IN SLABS & WALLS NOT EXPOSED TO EARTH OR WEATHER- ". 4 1
   c. REINFORCING EXPOSED TO EARTH OR WEATHER- #5 & SMALLER - 1 ", #6 & LARGER - 2". 2 1
   d. COVER TO STIRRUPS & TIES IN BEAMS & COLUMNS - 1 ". 2
4. SPLICE REINFORCING BARS PER ACI 318 WITH CLASS B TENSION LAP SPLICES, UNO. LAP LENGTHS ARE INDICATED THE REINFORCING BAR DEVELOPMENT LENGTH TABLE NOTES.
5. WWR SHALL BE SPLICED PER ACI 318 AND TIED SECURELY.
6. DOWELS SHALL MATCH AND BE CLASS B TENSION LAP SPLICED W/THE MAIN REINFORCING, UNO.
7. WHERE REINFORCEMENT IS NOT PROVIDED CONTACT THE STRUCTURAL ENGINEER OF RECORD.
8. FIELD BENDING OF REINFORCING PARTIALLY EMBEDDED IN CONCRETE IS NOT PERMITTED UNLESS INDICATED ON THE DRAWINGS OR APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD. REBAR SHALL NOT BE HEATED WITH A TORCH IN THE FIELD.
9. DO NOT WELD REINFORCING UNLESS INDICATED OR APPROVED IN WRITING, BY THE STRUCTURAL ENGINEER OF RECORD .
10. ALL CONSTRUCTION JOINTS SHALL BE WIRE BRUSHED, CLEANED, AND COATED WITH A BONDING AGENT OR MOISTENED WITH CEMENT SLURRY SCRUBBED INTO THE JOINT IMMEDIATELY PRIOR TO PLACING NEW CONCRETE.
11. PROVIDE A WATERSTOP IN ALL WALLS AND SLAB CONSTRUCTION JOINTS EXPOSED TO EARTH OR WEATHER, COVERED WITH A WATERPROOF MEMBRANE AND WHERE INDICATED.
12. CONTRACTOR SHALL PROVIDE THE FOLLOWING CAST-IN-PLACE SUBMITTALS:
    a. DETAIL DRAWINGS SHOWING LOCATIONS AND DETAILS OF CONSTRUCTION JOINTS, CURBS, SHELVES, SLEEVES AND OPENINGS. COORDINATE WITH SHOP DRAWINGS FOR REINFORCING STEEL.
    b. SHOW ELEVATIONS OF WALLS WITH TOP AND BOTTOM ELEVATIONS, OPENINGS AND LEDGES.
    c. REINFORCING SHOP DRAWINGS SHALL CONFORM TO THE REQUIREMENTS OF ACI 315 AND ACI SP-66.
    d. REINFORCING SHOP DRAWINGS SHALL SHOW REBAR REINFORCING SO IT CAN BE CUT, BENT AND PLACED FROM THE INFORMATION SHOWN.
    e. THE SHOP DRAWINGS SHALL ALSO SHOW THE LOCATIONS AND LENGTHS OF SPLICES. COORDINATE SPLICE LOCATIONS WITH CONSTRUCTION JOINT LOCATIONS. SHOW DOWELS ON DRAWINGS OF WORK THAT IS TO BE PLACED FIRST.

## SLABS ON GRADE

1. UNLESS OTHERWISE NOTED ON DESIGN DRAWINGS, SLABS-ON-GRADE SHALL BE 8" THK POURED CONCRETE, REINFORCED WITH 4 x 4-w4.0 x W4.0 WELDED WIRE FABRIC.
2. A COMPACTED SUB-BASE FOR THE FLOOR SLAB SHALL BE PROVIDED, CONSISTING OF A 12" LAYER OF OGS NO. 57 STONE, CHOKED WITH 2" OF ASSHTO NO. 10 AT THE TOP.
3. A VAPOR BARRIER CONSISTING OF MINIMUM 10-MIL POLYVINYL OR EQUIVALENT SHALL BE INSTALLED BETWEEN THE SUBGRADE AND THE CONCRETE SLAB IMMEDIATELY PRIOR TO PLACEMENT OF CONCRETE.
4. SLABS SHALL BE POURED IN LONGITUDINAL STRIPS WITH KEYED CONSTRUCTION JOINTS. CONTROL JOINTS SHALL BE PLACED AT SPACINGS INDICATED ON PLAN OR NO MORE THAN 20 FEET APART. ALLOW A MINIMUM OF 48 HOURS BETWEEN ADJACENT CONCRETE PLACEMENTS. IF LOCATION NOT NOTED ON PLAN, SLAB AREAS BETWEEN CONTROL JOINTS AND CONSTRUCTION JOINTS SHALL NOT EXCEED 400'.
5. ALL CONSTRUCTION JOINTS AND JOINTS BETWEEN SLAB AND TRENCH SHALL HAVE A SIKA WESTEC CHEMICAL RESISTANT WATERSTOP INSTALLED OR EQUAL.

### REINFORCEMENT BAR DEVELOPMENT LENGTHS (INCHES)

| BAR SIZE | 4000 PSI | | | | 4500 PSI | | | |
|---|---|---|---|---|---|---|---|---|
| | TOP BARS | | OTHER BARS | | TOP BARS | | OTHER BARS | |
| | CASE 1 | CASE 2 | CASE 1 | CASE 2 | CASE 1 | CASE 2 | CASE 1 | CASE 2 |
| #3 | 19 | 28 | 14 | 21 | 18 | 27 | 14 | 20 |
| #4 | 25 | 37 | 19 | 28 | 24 | 35 | 18 | 34 |
| #5 | 31 | 46 | 24 | 36 | 30 | 44 | 23 | 27 |
| #6 | 37 | 56 | 28 | 43 | 35 | 53 | 27 | 41 |
| #7 | 54 | 81 | 42 | 62 | 51 | 77 | 40 | 59 |
| #8 | 62 | 93 | 48 | 71 | 59 | 88 | 46 | 68 |
| #9 | 70 | 105 | 54 | 81 | 67 | 100 | 51 | 77 |

1. TOP BARS ARE DEFINED BY ACI 318-11.
2. CASE 1: CLEAR SPACING OF BARS DEVELOPED OR SPLICED NOT LESS THAN db, CLEAR COVER NOT LESS THAN db, AND STIRRUPS OR TIES THROUGHOUT Ld NOT LESS THAN THE CODE MINIMUM. CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED NOT LESS THAN 2db AND CLEAR COVER NOT LESS THAN db.
   CASE 2: BARS DEVELOPED OR SPLICED WITH CLEAR COVER AND/OR SPACING NOT MEETING THE REQUIREMENTS OF CASE 1.
3. SPLICE LENGTHS
   A. CLASS A TENSION SPLICE = 1.0 Ld, 12" MIN.
   B. CLASS A TENSION SPLICE = 1.3 Ld, 12" MIN.
4. DEVELOPMENT AND SPLICE LENGTHS OF EPOXY COATED BARS SHALL BE 1.5 TIMES THE LENGTHS REQUIRED FROM NON-EPOXY COATED REINFORCEMENT.

### MATERIAL SCHEDULE AND CONCRETE MIX DESIGN TABLE

| MEMBER | f'c | W/C | EXPOSURE CATEGORY | | | | ENTRAINED AIR CONTENT | |
|---|---|---|---|---|---|---|---|---|
| | | | F | S | P | C | 3/4" AGGREGATE | 1" AGGREGATE |
| FOOTINGS | 4500 PSI | .45 | F2 | S0 | P0 | C1 | 6 +/- 1.5% | 6 +/- 1.5% |
| PIERS | 4500 PSI | .50 | N/A | N/A | N/A | N/A | N/A | N/A |

NOTES
1. PROVIDE CONCRETE MIXES IN ACCORDANCE WITH ACI 301 FOR THE EXPOSURE CATEGORIES IDENTIFIED IN THE ABOVE TABLES.
2. MAXIMUM WATER-CEMENT (W/C) RATIOS INDICATED IN THE TABLE SHALL INCLUDE WATER FROM ADMIXTURES IN W/C CALCULATIONS.
3. DO NOT AIR-ENTRAIN CONCRETE DESIGNATED TO RECEIVE STEEL TROWEL FINISH.

## ABBREVIATIONS

| | |
|---|---|
| ABV | ABOVE |
| ACI | AMERICAN CONCRETE INSTITUTE |
| ADD'L | ADDITIONAL |
| AE | AIR-ENTRAINED |
| AISC | AMERICAN INSTITUTE OF STEEL CONSTRUCTION |
| ANSI | AMERICAN NATIONAL STANDARDS INSTITUTE |
| APPROX | APPROXIMATELY |
| AR | ANCHOR ROD |
| ARCH | ARCHITECTURAL |
| ASCE | AMERICAN SOCIETY OF CIVIL ENGINEERS |
| ASTM | AMERICAN SOCIETY FOR TESTING & MATERIALS |
| AWS | AMERICAN WELDING SOCIETY |
| B | BOTTOM |
| B/ | BOTTOM OF |
| BLDG | BUILDING |
| BM | BEAM |
| BOT | BOTTOM |
| CJP | COMPLETE JOINT PENETRATION |
| C.J. | CONTROL JOINT |
| CLR | CLEAR |
| CLSM | CONTROLLED LOW STRENGTH MATERIAL |
| CMU | CONCRETE MASONRY UNIT |
| CO | CLEAN OUT |
| COL | COLUMN |
| CONC | CONCRETE |
| CONT | CONTINUOUS |
| COORD | COORDINATE |
| CST. | CONSTRUCTION JOINT |
| COTR | CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE |
| db | REINFORCING BAR DIAMETER |
| DIA | DIAMETER |
| DN | DOWN |
| DTLS | DETAILS |
| DWG | DRAWING |
| DWLS | DOWELS |
| EA | EACH |
| EF | EACH FACE |
| EL | ELEVATION |
| ELECT | ELECTRICAL |
| ELEV | ELEVATOR |
| EMBED | EMBEDMENT |
| EOS | EDGE OF SLAB |
| EOW | EDGE OF FROST WALL FROM GRID LINE |
| EQ | EQUAL |
| EQUIP | EQUIPMENT |
| EW | EACH WAY |
| (E) | EXISTING |
| EXP | EXPANSION |
| FT | FOOT/FEET |
| FTG | FOOTING |
| FP | FIRE PROTECTION |
| GALV | GALVANIZE |
| GL | GRIDLINE |
| H | HIGH OR HORIZONTAL HOOK |
| HK | |
| HORIZ | HORIZONTAL |
| HP | HIGH POINT |
| HS | HIGH STRENGTH |
| HSA | HEADED SHEAR ANCHOR |
| IN | INCH(ES) |
| IP | INFLECTION POINT |
| I.F. | INSIDE FACE |
| I.J. | ISOLATION JOINT |
| JT | JOINT |
| K | KIPS (1000 POUNDS) |
| kN | KILONEWTON |
| kPa | KILOPASCAL |
| I | LITER |
| L | LENGTH |
| LBS | POUNDS |
| Ld | REINF BAR DEVELOPMENT LENGTH |
| LLH | LONG LEG HORIZ |
| LLV | LONG LEG VERT |
| LP | LOW POINT |
| LTWT | LIGHT WEIGHT |
| m | METER |
| mm | MILLIMETER |
| MAX | MAXIMUM |
| MANUF | MANUFACTURER |
| MECH | MECHANICAL |
| MEP | MECH/ELECT/PLUMBING |
| MIN | MINIMUM |
| MTL | METAL |
| NLWT | NORMAL WEIGHT |
| (N) | NEW |
| OC | ON CENTER |
| OPNG | OPENING |
| OPP | OPPOSITE |
| O.F. | OUTER FACE |
| PJP | PARTIAL JOINT PENETRATION |
| PSF | POUNDS PER SQAURE FOOT |
| PSI | POUNDS PER SQAURE INCH |
| PT | POST-TENSION |
| R | RISER |
| REF | REFERENCE |
| REINF | REINFORCING OR REINFORCEMENT |
| REQ'D | REQUIRED |
| SCHED | SCHEDULE |
| SC | SLIP CRITICAL |
| SDI | STEEL DECK INSTITUTE |
| SDL | SUPERIMPOSED DEAD LOAD |
| SEC | SECONDS |
| SIM | SIMILAR |
| SOG | SLAB-ON-GRADE |
| STD | STANDARD |
| SJI | STEEL JOIST INSTITUTE |
| STL | STEEL |
| STRUCT | STRUCTURAL |
| T | TOP OR TREAD |
| T/ | TOP OF |
| TOF | TOP OF FOOTING |
| TOS | TOP OF STEEL |
| THK | THICK |
| TMS | THE MASONRY SOCIETY |
| TYP | TYPICAL |
| UNO | UNLESS NOTED OTHERWISE |
| VERT | VERTICAL |
| W/C | WATER-CEMENTITIOUS MATERIAL RATIO |
| W | WIDTH |
| WD | WOOD |
| WP | WORK POINT |
| WWR | WELDED WIRE REINFORCEMENT |

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER Edward Tusick ENGINEER NO. 039031-E

DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE USED ON EXTENSIONS OF THE PROJECT, OR OTHER PROJECTS, WITHOUT THE EXPRESS WRITTEN CONSENT OF THE ARCHITECT. COMPENSATION TO THE ARCHITECT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL DIMENSIONS AT THE JOB SITE. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE PROJECT.

© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

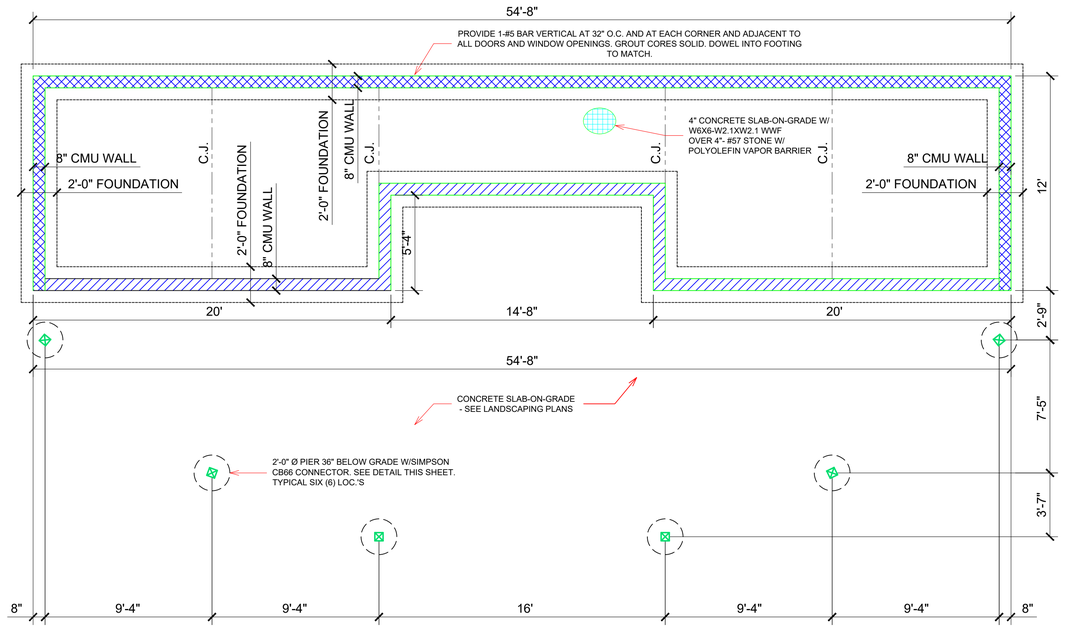
| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| JAG | SBT | 03/11/23 | 03/11/23 |

RESTROOM GENERAL NOTES

HACP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214

SHEET NUMBER:

S1.0

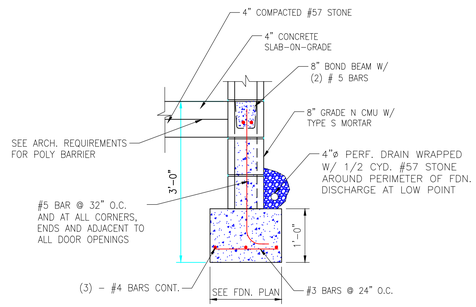



## RESTROOM - FOUNDATION SLAB PLAN

SCALE: 1/4" = 1'-0"

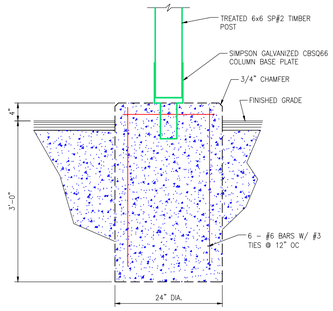
PLAN NOTES:

1. CONTRACTOR TO FIELD VERIFY DIMENSIONS AND NOTIFY ENGINEER OF DISCREPANCIES.
2. FOUNDATION DESIGN IS BASE ON ALLOWABLE NET BEARING CAPACITY OF 2.0 KSF. NO SOIL REPORT WAS COMPLETED THEREFORE THE ALLOWABLE SOIL PRESSURE IS BASED OFF OF PRESUMPTIVE LOAD BEARING VALUE IN TABLE 1806.2 OF IBC 2018.
3. SEE SHEET S1.0 FOR RELATED NOTES & DETAILS.




1 S1.1 FOUNDATION SECTION VIEW

SCALE: 3/4" = 1'-0"




2 S1.1 PIER SECTION VIEW

SCALE: 3/4" = 1'-0"

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
EDWARD STANTON
ENGINEER
NO. 039031-E

DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE USED ON EXTENSIONS OF THE PROJECT, OR OTHER PROJECTS, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO THE ARCHITECT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL DATA AT THE JOB SITE. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE PROJECT.

© Tusick & Associates Architects, Inc.

Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

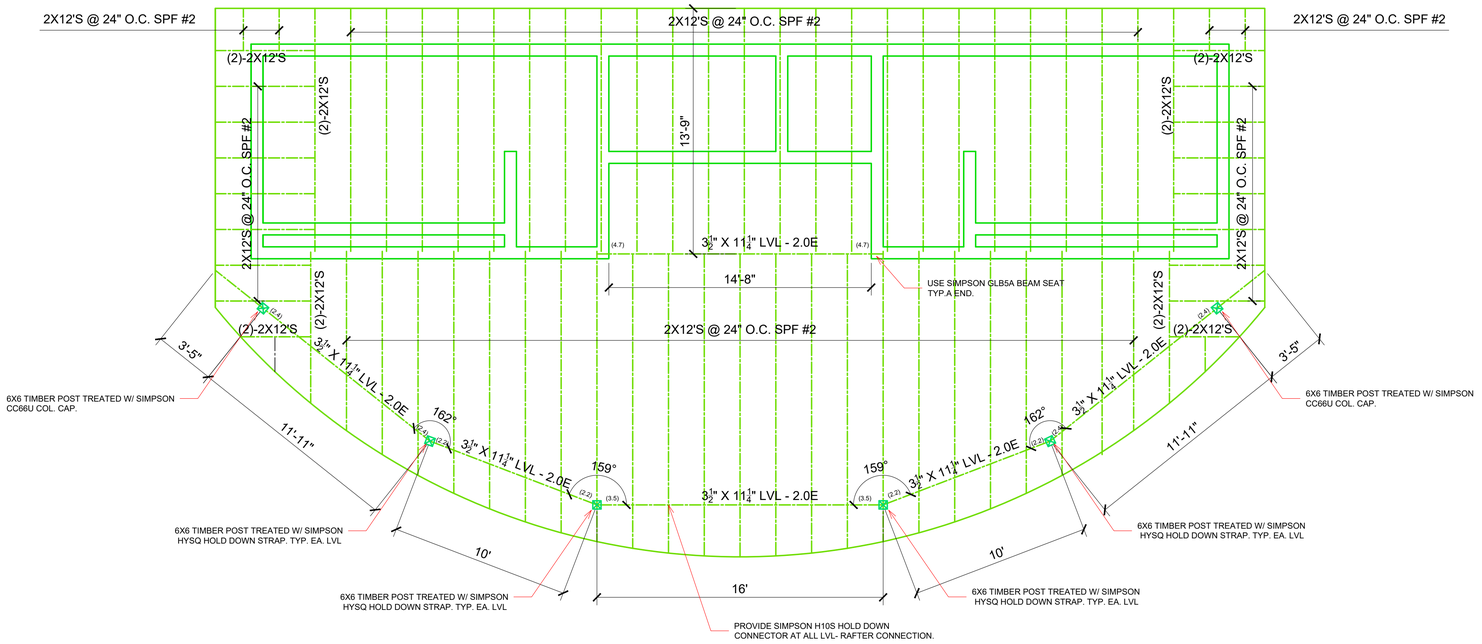
| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| JAG | SBT | 03/11/23 | 03/11/23 |

RESTROOM FOUNDATION SLAB PLANS

HACP NVH - Family Recreational Area
525 Mt Pleasent Road,
Pittsburgh, PA 15214

SHEET NUMBER:

S1.1




## RESTROOM - ROOF FRAMING PLAN

SCALE: 1/4" = 1'-0"

PLAN NOTES:

1. SEE SHEET S1.0 FOR RAFTER LOAD REQUIREMENTS AND RELATED NOTES & DETAILS.
2. ALL EXTERIOR WOOD TO BE TREATED UNLESS WRAPPED AND PROTECTED.
3. ALL RAFTERS TO RECEIVE HOLD DOWN STRAP TO RESIST 1200 LBS UPLIFT FORCE.
4. ROOF SHEATHING TO BE $\frac{5}{8}$" OSB.
5. ALL LVL MEMBERS TO BE 2.0E OR BTR.

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
EDWARD J. TUSICK
ENGINEER
No. 039031-E

DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE USED ON EXTENSIONS OF THE PROJECT, OR OTHER PROJECTS, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO THE ARCHITECT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL DIMENSIONS AT THE JOB SITE. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE PROJECT.

© Tusick & Associates Architects, Inc.

Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| JAG | SBT | 03/11/23 | 03/11/23 |

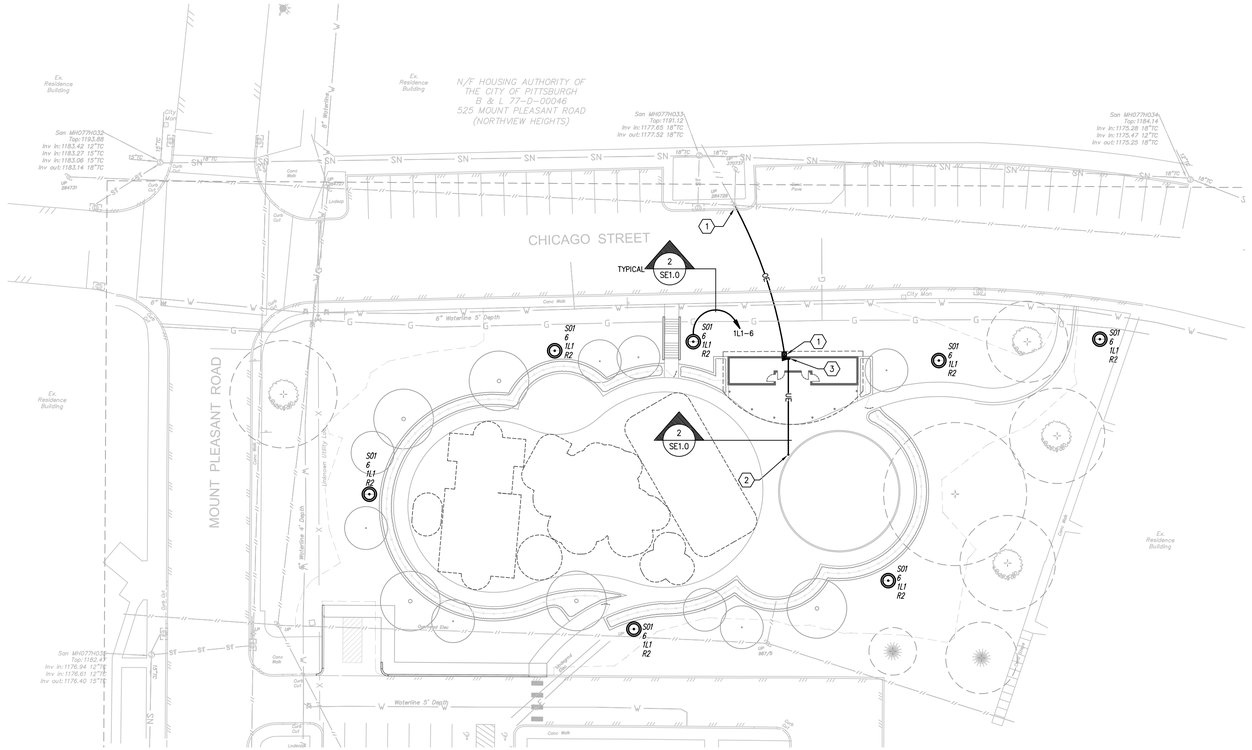
RESTROOM ROOF FRAMING PLAN

HACP NVH - Family Recreational Area
525 Mt Pleasent Road,
Pittsburgh, PA 15214

SHEET NUMBER:

S1.2

TOWER ENGINEERING
115 Evergreen Heights Drive, Suite 400, Pittsburgh, Pennsylvania 15229-1346
412.931.8888 • Fax: 412.939.2525 • www.estower.com
Project No: 2021223




1 SE1.0 SITE PLAN
SCALE: 1" = 30'-0"

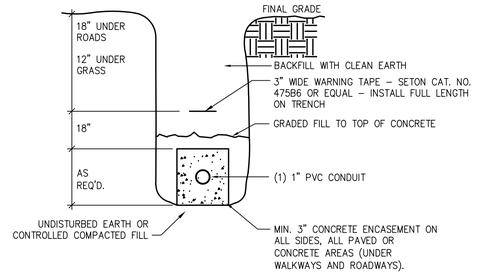
## GENERAL NOTES: (THIS DRAWING)

A. VERIFY CONDUIT TERMINATION LOCATION AND CABLING INSTALLATION FOR BULLDOG AQUAVATOR WITH SPLASH PAD EQUIPMENT SUPPLIER.

B. PROVIDE LOW VOLTAGE CABLING RECOMMENDED BY SPLASH PAD EQUIPMENT SUPPLIER.

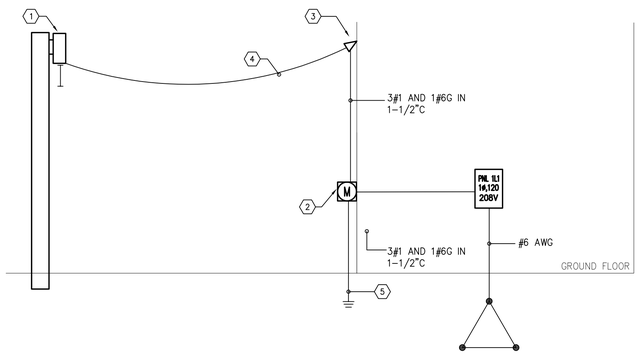
## CODED NOTES: (THIS DRAWING)

1. REFER TO DETAIL 3/SE1.0 FOR SERVICE ENTRANCE REQUIREMENTS.
2. PROVIDE 1" CONDUIT FROM SPLASH PAD EQUIPMENT CONTROL PANEL AND STUBBED UP WITHIN BULLDOG AQUAVATOR. INSTALL LOW VOLTAGE CABLING, TERMINATED AT EQUIPMENT AND AT CONTROL PANEL.
3. SPLASH PAD EQUIPMENT CONTROL PANEL.




NOTE
TYPICAL FOR ALL SITE LIGHTING CIRCUITING AND BULLDOG AQUAVATOR

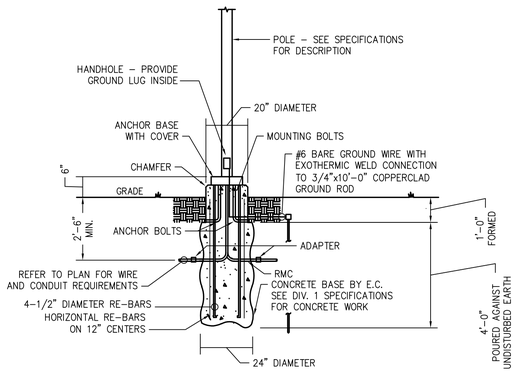
2 SE1.0 TRENCH DETAIL
NOT TO SCALE




## CODED NOTES: (RISER DIAGRAM AND SITE PLAN)

1. UTILITY POLE WITH POLE-MOUNTED TRANSFORMER PROVIDE BY DUQUESNE LIGHT COMPANY.
2. PROVIDE METER SOCKET ON EXTERIOR OF BUILDING. DUQUENSE LIGHT SHALL PROVIDE METER. COORDINATE METER SOCKET REQUIREMENTS WITH DUQUENSE LIGHT PRIOR TO ROUGH-IN.
3. PROVIDE WEATHERHEAD TO ACCOMMODATE #1 AWG CONDUCTORS AND INSTALL MOUNTING BRACKETS FURNISHED BY DUQUENSE LIGHT. PROVIDE 3' OF CONDUCTORS AT WEATHERHEAD FOR CONNECTION TO OVERHEAD CONDUCTORS BY DUQUENSE LIGHT. COORDINATE LOCATION AND ALL REQUIREMENTS WITH DUQUENSE LIGHT PRIOR TO ROUGH-IN.
4. NEW OVERHEAD CONDUCTORS BY DUQUENSE LIGHT.
5. GROUND PER DUQUENSE LIGHT REQUIREMENTS.

3 SE1.0 ELECTRICAL SERVICE ENTRANCE DETAIL – ONE POLE
NOT TO SCALE




NOTES:
1. REFER TO SPECIFICATION SECTION 265100 – LIGHTING FIXTURES FOR MORE DETAIL.

4 SE1.0 TYPICAL DETAIL OF LIGHT POLE – 6" BASE
NOT TO SCALE

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
T STEFFANIE BAKO
ENGINEER
PE061041
03/11/23

DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE USED ON EXTENSIONS OF THE PROJECT OR OTHER PROJECTS EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO THE ARCHITECT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL DIMENSIONS AT THE JOB SITE. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE PROJECT.
© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| JVM | TSB | 03/11/23 | 03/11/23 |

SITE ELECTRICAL PLAN AND DETIALS

HACP NVH - Family Recreational Area
525 Mt Pleasent Road,
Pittsburgh, PA 15214

SHEET NUMBER:
SE1.0

# ELECTRICAL SYMBOL LEGEND

## GENERAL DRAWING SYMBOLS

- NO / DWG — DETAIL INDICATOR
  'NO' DENOTES SEQUENTIAL ALPHANUMERIC DESIGNATION
  'DWG' DENOTES NUMBER WHERE DETAIL IS DRAWN
- NO / DWG — SECTION INDICATOR
  'NO' DENOTES SEQUENTIAL ALPHANUMERIC DESIGNATION
  'DWG' DENOTES NUMBER WHERE SECTION IS DRAWN
- NO — COLUMN LINE OR GRID INDICATOR
  'NO' DENOTES SEQUENTIAL ALPHANUMERIC DESIGNATION
- NO/DWG — ELEVATION/VIEW INDICATOR
  'NO' DENOTES SEQUENTIAL ALPHANUMERIC DESIGNATION
  'DWG' DENOTES NUMBER WHERE DETAIL IS DRAWN
- A/R — REVISION INDICATOR
  'NO' DENOTES REVISION LEVEL
- NO — CODED NOTE
  'NO' DENOTES SEQUENTIAL ALPHANUMERIC DESIGNATION

## SITE UTILITIES

- M — SERVICE METER
- ∅ — UTILITY POLE
- UE — UNDERGROUND DUCT BANK – SEE DRAWING SECTION AS INDICATED BY TAG
  NO / DWG
  NOMENCLATURE:
  – 'OE' DENOTES OVERHEAD ELECTRIC
  – 'UE' DENOTES UNDERGROUND ELECTRIC

## GENERAL NOTES

### A. NOTES PERTAINING TO ALL BRANCH CIRCUITING:

1. ALL ELECTRICAL DEVICES HAVE BRANCH CIRCUIT NUMBERS AND PANELS INDICATED ADJACENT TO THE POWER CONNECTION SYMBOL ON THE PLANS. ALTHOUGH THE INTERCONNECTING BRANCH CIRCUITING IS NOT SHOWN, THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL WIRE AND CONDUIT REQUIRED FOR A COMPLETE AND OPERATIONAL POWER DISTRIBUTION SYSTEM.
2. UNLESS NOTED OTHERWISE ON THE DRAWINGS, ALL BRANCH CIRCUITING SHALL BE INSTALLED CONCEALED IN EMT, 3/4" MINIMUM.
3. ALL CONDUIT SHALL BE 3/4" EMT, UNLESS NOTED OTHERWISE ON THE DRAWINGS. THE FOLLOWING EXCEPTIONS ALSO APPLY:
   A. ALL BRANCH CIRCUIT WIRING TO SITE LIGHTING FIXTURES SHALL BE INSTALLED IN SCHEDULE 40 PVC CONDUIT.
   B. THE CONDUIT FOR ALL FEEDERS SHALL BE AS SCHEDULED UNDER DETAIL 3/SE1.0.
   C. THE CONDUIT FOR ALL PLUMBING AND HVAC EQUIPMENT SHALL BE AS SCHEDULED UNDER THE 'MECHANICAL EQUIPMENT SCHEDULE'.
   D. MAXIMUM CONDUIT SIZE IN CONCRETE SLABS SHALL BE 1" PVC.
4. ALL BRANCH CIRCUIT WIRING SHALL BE #12AWG THHN COPPER, UNLESS NOTED OTHERWISE ON THE DRAWINGS. THE FOLLOWING EXCEPTIONS APPLY:
   A. BRANCH CIRCUIT WIRING TO ALL SITE LIGHTING FIXTURES SHALL BE #10AWG THWN COPPER, UNLESS NOTED AS A LARGER SIZE ON THE DRAWINGS.
   B. THE WIRE FOR ALL FEEDERS SHALL BE AS SCHEDULED UNDER DETAIL 3/SE1.0.
   C. THE WIRE FOR ALL PLUMBING AND HVAC EQUIPMENT SHALL BE AS SCHEDULED UNDER THE 'MECHANICAL EQUIPMENT SCHEDULE'.
   D. THE MAXIMUM NUMBER OF CURRENT CARRYING WIRING (DOES NOT INCLUDE GROUND WIRE) IN ANY ONE CONDUIT SHALL NOT EXCEED SIX (6), UNLESS NOTED OTHERWISE ON THE DRAWINGS. THE FOLLOWING EXCEPTIONS APPLY:
   A. CONDUIT RUNS TO WALL SWITCHES.

### B. NOTES PERTAINING TO GROUNDING:

1. PROVIDE A SEPARATE INSULATED GROUND WIRE IN EACH CONDUIT RUN. MINIMUM WIRE SIZE SHALL BE #12AWG. GROUND WIRE IS TYPICALLY NOT SHOWN.

### C. NOTES PERTAINING TO THE LOCATION OF ALL EQUIPMENT AND DEVICES:

1. OBTAIN WRITTEN APPROVAL OF LOCATIONS OF ALL ELECTRICAL DEVICES FROM THE OWNER AND THE ARCHITECT PRIOR TO ROUGH-IN. THE OWNER RESERVES THE RIGHT TO MOVE ANY OR ALL ELECTRICAL DEVICES PRIOR TO ROUGH-IN, AT NO ADDITIONAL COST.
2. COORDINATE THE LOCATION AND SERVICE REQUIREMENTS OF ALL HVAC, PLUMBING AND KITCHEN EQUIPMENT WITH THE RESPECTIVE CONTRACTORS. INFORM THE ARCHITECT OF ANY CONFLICTS IMMEDIATELY.
3. THE ELECTRICAL CONTRACTOR SHALL CHECK ALL ARCHITECTURAL, HVAC, PLUMBING AND FOOD SERVICE DRAWINGS FOR THE LOCATION OF SINKS. RECEPTACLES SHALL BE LOCATED A MINIMUM OF 1' FROM THE EDGE OF ANY SINK. EVEN IF SHOWN CLOSER TO THE SINK ON THE ELECTRICAL DRAWINGS.

### D. NOTES PERTAINING TO ALL SWITCHING

1. CHECK ALL DRAWINGS FOR WALL SWITCHES. SWITCHES ARE SHOWN ON LIGHTING, POWER, AND SYSTEM PLANS.
2. WHERE ONE OR MORE WALL SWITCHES APPEAR IN THE SAME GENERAL LOCATION, SWITCHES SHALL BE GROUPED AND INSTALLED IN ONE WALL BOX WITH ONE CONTINUOUS COMMON COVER PLATE, WHERE POSSIBLE. WHERE GROUPING IS NOT POSSIBLE DUE TO SIZE OR TYPE OF DEVICE, GROUP DEVICES CLOSE TOGETHER AND AT THE EXACT SAME MOUNTING HEIGHT.

### E. NOTES PERTAINING TO EQUIPMENT LABELING:

1. PROVIDE NAMEPLATE LABELS ON ALL ELECTRICAL DISTRIBUTION EQUIPMENT IN ACCORDANCE WITH DETAIL 2/E1.0.
2. PROVIDE ARC FLASH HAZARD LABELING ON ALL ELECTRICAL DISTRIBUTION EQUIPMENT IN ACCORDANCE WITH SPECIFICATION SECTION 260573.

### F. NOTES PERTAINING TO CUTTING AND PATCHING:

1. ALL OPENINGS IN EXISTING STRUCTURAL ELEMENTS, REQUIRED FOR COMPLETION OF THE CONTRACT (SUCH AS FLOORS, WALLS, CEILINGS, AND ROOFS), SHALL BE CUT AND/OR PATCHED BY THE ELECTRICAL CONTRACTOR.

## GENERAL ABBREVIATIONS

| | |
|---|---|
| A | AMPERE |
| AC | ABOVE COUNTER |
| AFF | ABOVE FINISHED FLOOR |
| AWG | AMERICAN WIRE GAUGE |
| C | CONDUIT |
| CKT | CIRCUIT |
| CB | CIRCUIT BREAKER |
| CONN | CONNECTION |
| CU | COPPER |
| DISC | DISCONNECT |
| DWG | DRAWING |
| E | EMERGENCY OR EMERGENCY SYSTEM |
| EMT | ELECTRIC METALLIC TUBING |
| EQUIP | EQUIPMENT |
| EWC | ELECTRIC WATER COOLER |
| EX | EXISTING |
| FA | FIRE ALARM |
| FBO | FURNISHED BY OTHERS WITH ALL RELATED ELECTRICAL WORK BY ELECTRICAL CONTRACTOR |
| FDR | FEEDER |
| FH | FUME HOOD |
| FT | FEET |
| GND | GROUND OR GROUNDED |
| GRD | GROUND OR GROUNDED |
| HP | HORSEPOWER |
| IN | INCH |
| JB | JUNCTION BOX |
| KW | KILOWATT |
| LTG | LIGHTING |
| MSF | MAIN SWITCH AND FUSE |
| MCB | MAIN CIRCUIT BREAKER |
| MFR | MANUFACTURER |
| MH | MANHOLE |
| MLO | MAIN LUG ONLY |
| MTD | MOUNTED |
| MTG | MOUNTING |
| NA | NOT APPLICABLE |
| NIC | NOT IN THIS CONTRACT |
| NO | NUMBER |
| NTS | NOT TO SCALE |
| OC | ON CENTER |
| OEM | ORIGINAL EQUIPMENT MANUFACTURER |
| Ø | PHASE |
| P | POLE |
| PB | PUSH BUTTON |
| PH | PHASE |
| PNL | PANELBOARD |
| POS | POSITION |
| PRI | PRIMARY |
| PWR | POWER |
| REC | RECESSED |
| RECPT | RECEPTACLE |
| REQ | REQUIRED |
| RMC | RIGID GALVANIZED METAL CONDUIT |
| SCH | SCHEDULE |
| SEC | SECONDARY |
| SM | SURFACE MOUNTED |
| SW | SWITCH |
| SWBD | SWITCHBOARD |
| TELE | TELEPHONE |
| TL | TWIST LOCK |
| TP | TAMPER PROOF |
| TV | TELEVISION |
| TYP | TYPICAL |
| UC | UNDER COUNTER |
| UNO | UNLESS NOTED OTHERWISE |
| V | VOLT |
| W | WATT |
| W/ | WITH |
| W/O | WITHOUT |
| WP | WEATHER PROOF ENCLOSURE |
| X | EXISTING TO REMAIN |
| XA | EXISTING TO BE REMOVED COMPLETELY |
| XP | EXPLOSION PROOF |
| XR | RELOCATED EXISTING EQUIPMENT |
| XRN | EXISTING TO BE REMOVED AND REPLACED WITH NEW DEVICE |
| XRR | EXISTING TO BE REMOVED AND RELOCATED |
| Y | STAR OR WYE DISTRIBUTION SYSTEM |

## UTILITY COMPANY ABBREVIATIONS

| | |
|---|---|
| DLCO | DUQUESNE LIGHT COMPANY |

## CONTRACTOR ABBREVIATIONS

| | |
|---|---|
| EC | ELECTRICAL CONTRACTOR |
| GC | GENERAL CONTRACTOR |
| HC | HEATING, VENTILATING, AIR CONDITIONING CONTRACTOR |
| PC | PLUMBING CONTRACTOR |
| T | |

## LIGHTING

| CEILING MOUNTED | WALL MOUNTED | |
|---|---|---|
| ○ | ⊢○ | LED LIGHTING FIXTURE, WALL MOUNT AT 6'–8" AFF TO BOTTOM OR CEILING MOUNT (UNO) |
| ▭ | | INDIVIDUAL LED LIGHTING FIXTURE, WALL MOUNT AT 6'–8" AFF TO BOTTOM OR CEILING MOUNT (UNO) |
| ▭ | ⊢E | NORMAL/EMERGENCY LIGHTING FIXTURE, WALL MOUNT AT 6'–8" AFF TO BOTTOM OR CEILING MOUNT (UNO) |
| ○ | | POLE MOUNTED FIXTURE |

G01 / 1L1 — NOMENCLATURE:
- 'G01' DENOTES TYPE (REFER TO LIGHTING FIXTURE SCHEDULE)
- '1' DENOTES CIRCUIT NUMBER
- '1L1' DENOTES PANELBOARD
- 'R1' DENOTES SWITCH CONTROL

NOTES:
1. ADJACENT FIXTURES WITHOUT TAGS TO BE SAME TYPE AS TAGGED FIXTURES
2. REFER TO LIGHTING FIXTURE SCHEDULE FOR LIGHTING FIXTURE DESCRIPTIONS
3. WHERE POSSIBLE, LIGHTING FIXTURES AS SHOWN ACTUAL SIZE AND CONFIGURATION.

WALL SWITCH – MOUNT 48" AFF TO TOP OF BOX, UNO
NOMENCLATURE:
- LOWER CASE LETTER ADJACENT TO SYMBOL DESIGNATES SWITCH TAG
- 'WI' DENOTES PASSIVE INFRARED AUTOMATIC WALL SWITCH
- 'LV' DENOTES LOW VOLTAGE SWITCH. REFER TO DETAIL 1/E1.0.

LVCP — LOW VOLTAGE RELAY PANEL, MOUNT AT 6'–0" AFF TO TOP (UNO).

PC — PHOTOCELL – MOUNT AS DIRECTED ON DRAWINGS

## POWER

| CEILING MTD | FLOOR MTD | WALL MTD | |
|---|---|---|---|
| ⏚ | | ⊢⏚ | JUNCTION BOX – MOUNT 18" AFF, UNO |
| | | ⊢ | DUPLEX OUTLET RECEPTACLE – MOUNT 18" AFF, UNO |

1 / 1L1 — NOMENCLATURE:
- '1' DENOTES CIRCUIT NUMBER – TWO NUMBERS SEPARATED BY A SLASH (e.g. 31/33) INDICATES A 2–POLE CIRCUIT TO BE CONNECTED TO POSITIONS 31 AND 33 IN THE PANELBOARD. THREE NUMBERS SEPARATED BY A SLASH (e.g. 31/33/35) INDICATES A 3–POLE CIRCUIT IN THE PANELBOARD. NUMBERS SEPARATED BY COMMAS, INDICATES INDIVIDUAL SINGLE–POLE CIRCUITS (e.g. 31,33,35).
- '1L1' DENOTES PANELBOARD
- 'GFI' DENOTES GROUND FAULT INTERRUPTING RECEPTACLE
- 'WR' DENOTES WEATHER RESISTANT RECEPTACLE WITH EXTRA HEAVY DUTY BOX COVER
- 'EWC' DENOTES GFCI TYPE RECEPTACLE FOR ELECTRIC WATER COOLER, MOUNTED DIRECTLY UNDER WATER COOLER IN CENTER LINE OF COOLER – COORDINATE WITH PC

FUSED SAFETY DISCONNECT SWITCH – MOUNT 6'–0" AFF TO TOP OF ENCLOSURE, UNO

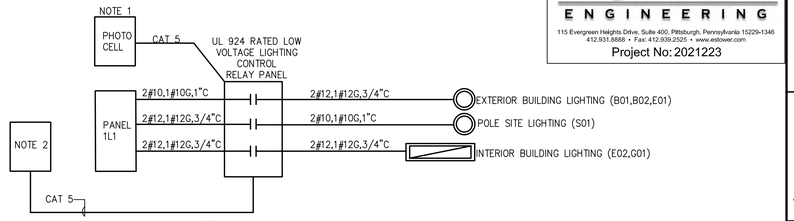
30/1/20 — NOMENCLATURES:
- DENOTES FUSE SIZE
- DENOTES NUMBER OF POLES
- DENOTES SWITCH RATING

PANELBOARD, MOUNT 6'–0" AFF TO TOP CIRCUIT BREAKER

EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS – REFER TO EQUIPMENT SCHEDULE FOR SPECIFICATION

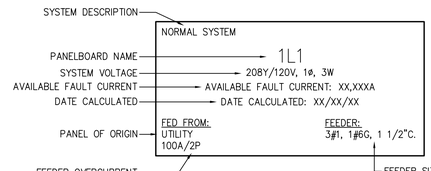
DWH-1 / 1 / 1L1 / X/E1.0 — NOMENCLATURES:
- DENOTES EQUIPMENT NUMBER (REFER TO SCHEDULE)
- DENOTES POSITION NUMBER IN PANELBOARD. TWO NUMBERS SEPARATED BY A SLASH (e.g. 31/33) INDICATES A 2–POLE CIRCUIT TO BE CONNECTED TO POSITIONS 31 AND 33 IN THE PANELBOARD. THREE NUMBERS SEPARATED BY A SLASH (e.g. 31/33/35) INDICATES A 3–POLE CIRCUIT IN THE PANELBOARD. NUMBERS SEPARATED BY COMMAS, INDICATES INDIVIDUAL SINGLE–POLE CIRCUITS (e.g. 31,33,35).
- DENOTES PANELBOARD EQUIPMENT SHALL BE CONNECTED TO
- DENOTES REFERENCE TO EQUIPMENT CONNECTION DETAIL

GROUND CONNECTION PER NEC, UNO



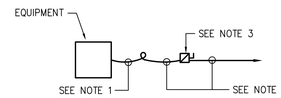

NOTES:
1. PROVIDE WALL/ROOF MOUNTED PHOTOCELL WHERE DIRECTED BY ARCHITECT.
2. PROVIDE 3–BUTTON LOW VOLTAGE LIGHTING SWITCH.
   BUTTON 1 CONTROLS RELAY R1. (EXTERIOR BUILDING LIGHTING).
   BUTTON 2 CONTROLS RELAY R2. (POLE SITE LIGHTING).
   BUTTON 3 CONTROLS RELAY R3. (INTERIOR BUILDING LIGHTING).

1 / E1.0 LIGHTING CONTROL DETAIL
NOT TO SCALE



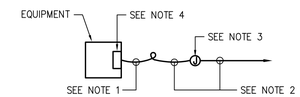

NOTES:
1. SECURE NAMEPLATE TO EQUIPMENT WITH TWO SHEET METAL SCREWS.
2. NAMEPLATE SHALL BE 5" WIDE BY 2 1/2" HIGH. 'EQUIPMENT NAME' SHALL BE 1/4" TALL. ALL OTHER TEXT SHALL BE 1/8" TALL.

2 / E1.0 PANELBOARD NAMEPLATE DETAIL
NOT TO SCALE




NOTES:
1. PROVIDE FLEXIBLE CONDUIT IN ACCORDANCE WITH THE SPECIFICATION.
2. PROVIDE WIRING IN ACCORDANCE WITH EQUIPMENT SCHEDULE.
3. INSTALL DISCONNECT SWITCH AND FUSES IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATION. INSTALL ADJACENT TO EQUIPMENT IN ACCORDANCE WITH NEC REQUIREMENTS.

3 / E1.0 EQUIPMENT CONNECTION DETAIL
NOT TO SCALE




NOTES:
1. PROVIDE FLEXIBLE CONDUIT IN ACCORDANCE WITH THE SPECIFICATION.
2. PROVIDE WIRING IN ACCORDANCE WITH EQUIPMENT SCHEDULE.
3. PROVIDE A JUNCTION BOX ADJACENT TO EQUIPMENT.
4. CONNECT TO INTEGRAL DISCONNECT SWITCH OR CONTROL PANEL IN UNIT.

4 / E1.0 EQUIPMENT CONNECTION DETAIL
NOT TO SCALE


TOWER ENGINEERING
115 Evergreen Heights Drive, Suite 400, Pittsburgh, Pennsylvania 15229-1346
412.931.8888 • Fax: 412.939.2525 • www.estower.com


Project No: 2021223

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — T STEFFANIE BAKO — ENGINEER — PE061041

03/11/23


DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE USED ON EXTENSIONS OF THE PROJECT OR OTHER PROJECTS EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO THE ARCHITECT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL DIMENSIONS AT THE JOB SITE. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE PROJECT.

© Tusick & Associates Architects, Inc.



TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com


REVISIONS

| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| JVM | TSB | 03/11/23 | 03/11/23 |

ELECTRICAL LEGEND AND DETAILS

HACP NVH - Family Recreational Area
525 Mt Pleasent Road,
Pittsburgh, PA 15214

SHEET NUMBER:

E1.0

TOWER ENGINEERING
115 Evergreen Heights Drive, Suite 400, Pittsburgh, Pennsylvania 15229-1346
412.931.8888 • Fax: 412.939.2525 • www.estower.com
Project No: 2021223

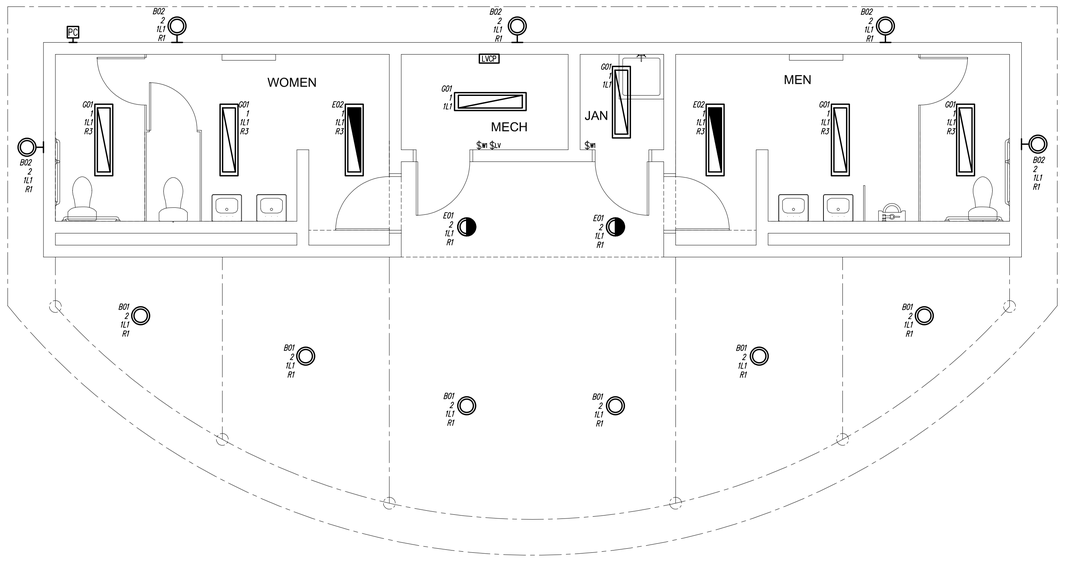
## GENERAL NOTES: (THIS DRAWING)

A. VERIFY SOLENOID VALVE QUANTITY WITH SPLASH PAD EQUIPMENT SUPPLIER.

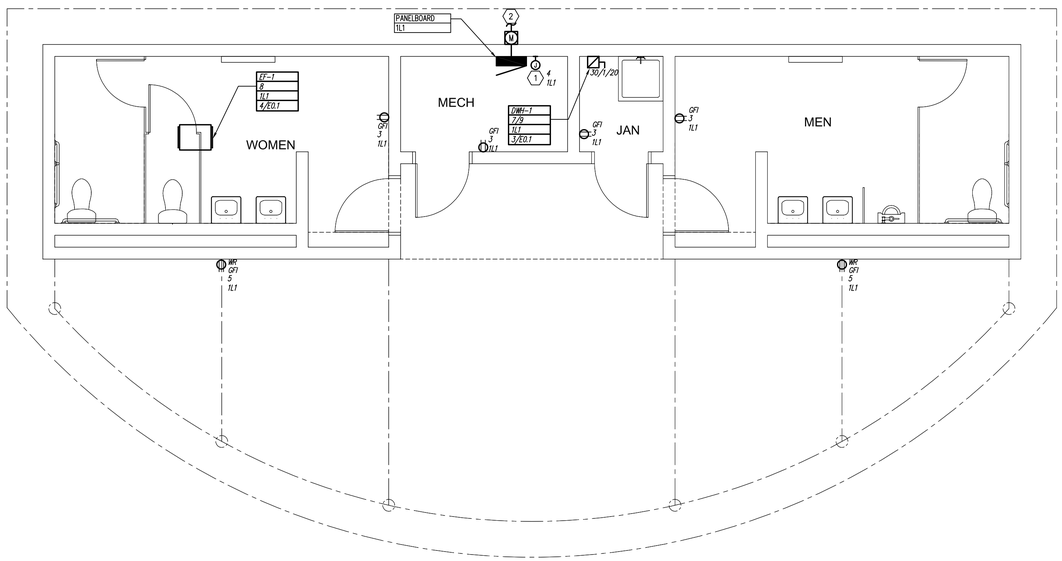
B. PROVIDE LOW VOLTAGE CABLING RECOMMENDED BY SPLASH PAD EQUIPMENT SUPPLIER.

## CODED NOTES: (THIS DRAWING)

1. PROVIDE POWER CONNECTION WITH 2#10 AND 1#10G IN 3/4"C FOR SPLASH PAD EQUIPMENT CONTROL PANEL. INSTALL LOW VOLTAGE CABLING, TERMINATED AT SOLENOID VALVES AND AT CONTROL PANEL.
2. REFER TO DRAWING SE1.0 FOR CONTINUATION.




1 / E1.1 LIGHTING PLAN
SCALE: 1/4" = 1'-0"




2 / E1.1 POWER AND SYSTEMS PLAN
SCALE: 1/4" = 1'-0"

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
T STEFFANIE BAKO
ENGINEER
PE061041
03/11/23

DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE USED ON EXTENSIONS OF THE PROJECT, OR OTHER PROJECTS, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO THE ARCHITECT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL DIMENSIONS AT THE JOB SITE. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE PROJECT.
© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| | | 03/11/23 | 03/11/23 |

ELECTRICAL FLOOR PLANS

HACP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214

SHEET NUMBER:
E1.1

# LIGHTING FIXTURE SCHEDULE

## BUILDING MOUNTED LIGHTING FIXTURES

| TAG | DESCRIPTION | COLOR | MOUNTING | MANUFACTURER | SERIES | LAMPS | BALLAST | WATTAGE | VOLTAGE | LOCATION | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | TYPE | TYPE | | | | |
| B01 | 13" DIAMETER LOW PROFILE ARCHITECTURAL HIGH ABUSE LED WITH MARINE GRADE HOUSING AND UV-STABILIZED, HIGH IMPACT RESISTANT, INJECTION MOLDED POLYCARONATE LENS. | COLOR SELECTED BY ARCHITECT | CEILING MOUNTED | KENALL | MR13FFL | LED (2000 LUMENS) | LED 0-10V | 24W | 120V | EXTERIOR (CANOPY) | |
| B02 | 13" DIAMETER LOW PROFILE ARCHITECTURAL HIGH ABUSE LED WITH MARINE GRADE EYELID HOUSING AND UV-STABILIZED, HIGH IMPACT RESISTANT, INJECTION MOLDED POLYCARONATE LENS. | COLOR SELECTED BY ARCHITECT | SURFACE | KENALL | MR13EL | LED (2000 LUMENS) | LED 0-10V | 24W | 120V | EXTERIOR (WALL) | |

## EMERGENCY LIGHTING FIXTURES

| TAG | DESCRIPTION | COLOR | MOUNTING | MANUFACTURER | SERIES | LAMPS | BALLAST | WATTAGE | VOLTAGE | LOCATION | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | TYPE | TYPE | | | | |
| E01 | 13" DIAMETER LOW PROFILE ARCHITECTURAL HIGH ABUSE LED WITH MARINE GRADE HOUSING AND UV-STABILIZED, HIGH IMPACT RESISTANT, INJECTION MOLDED POLYCARONATE LENS. PROVIDE WITH BATTERY BACKUP DEVICE | COLOR SELECTED BY ARCHITECT | CEILING MOUNTED | KENALL | MR13FFL | LED (2000 LUMENS) | LED 0-10V | 24W | 120V | EXTERIOR (CANOPY) | |
| E02 | 4' VANDAL RESISTANT FIXTURE WITH DIFFUSE POLYCARBONATE LENS, ROUND ENDCAPS AND 8" WIDE ALUMINUM HOUSING. PROVIDE WITH BATTERY BACKUP DEVICE. | BLACK | SURFACE | KENALL | MLHA8 | LED (7000 LUMENS) | LED 0-10V | 73W | 120V | BATHROOMS | |

## GENERAL LIGHTING FIXTURES

| TAG | DESCRIPTION | COLOR | MOUNTING | MANUFACTURER | SERIES | LAMPS | BALLAST | WATTAGE | VOLTAGE | LOCATION | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | TYPE | TYPE | | | | |
| G01 | 4' VANDAL RESISTANT FIXTURE WITH DIFFUSE POLYCARBONATE LENS, ROUND ENDCAPS AND 8" WIDE ALUMINUM HOUSING. | BLACK | RECESSED | KENALL | MLHA8 | LED (7000 LUMENS) | LED 0-10V | 73W | 120V | BATHROOMS | |

## SITE LIGHTING FIXTURES

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| S01 | LOW PROFILE, ASYMMETRIC FORWARD THROW DISTRIBUTION IN DIE-CAST ALUMINUM HOUSING. PROVIDE 4" ROUND ALUMINUM POLE. | COLOR SELECTED BY ARCHITECT | POLE MOUNTED ON 4" ROUND 10'-0" HIGH ALUMINUM POLE WITH 6" BASE | LITHONIA | RADIAN | LED (11000 LUMENS) | LED DRIVER | 85W | 120V | EXTERIOR - SPLASH PAD AND PLAYGROUND | |

NOTES:
1. REFERENCE SPECIFICATION - LIGHTING FIXTURES FOR DETAILED LAMP AND FIXTURE SPECIFICATIONS.
2. CATALOG NUMBERS INDICATE THE GENERAL LINE OF FIXTURES REQUIRED AND MAY NOT NECESSARILY INCLUDE ALL PREFIXES AND SUFFIXES FOR OPTIONS AND/OR CONFIGURATIONS REQUIRED. WHERE A CONFLICT EXISTS BETWEEN THE DESCRIPTION AND THE CATALOG NUMBER, THE DESCRIPTION SHALL TAKE PRECEDENCE. BID PRICES SHALL BE BASED ON FIXTURES AS DESCRIBED IN THE DESCRIPTION, VOLTAGE, MOUNTING AND FINISH COLUMNS.
3. THE LAMP COLUMN INDICATES THE NORMAL LAMP WATTAGE / SHAPE / COLOR TEMPERATURE / AND/OR DISTRIBUTION. LAMPS SHALL BE PROVIDED AS RECOMMENDED AND TESTED BY THE MANUFACTURER OF THE FIXTURE SPECIFIED. THE FIXTURE MANUFACTURER SHALL BE RESPONSIBLE FOR THE LAMP BALLAST COMPATIBILITY.
4. FIXTURES SHALL HAVE A MINIMUM CRI OF 82.
5 ALL INTERIOR LED LAMPS SHALL HAVE A COLOR TEMPERATURE OF 3500K, EXTERIOR LAMPS SHALL HAVE A COLOR TEMPERATURE OF 4000K.

# PANELBOARD SCHEDULE

VOLTAGE: 120/208V, 1PH, 3W
SIZE/TYPE BUS: 100A COPPER
SIZE/TYPE MAIN: 100A MAIN CIRCUIT BREAKER

PANEL TAG: 1L1
LOCATION: MECHANICAL ROOM

MIN. AIC: 10K
MOUNTING: SURFACE
OPTIONS:

| DESCRIPTION | LOCATION | LOAD (WATTS) | C/B SIZE | POS. NO. | A* | B* | POS. NO. | C/B SIZE | LOAD (WATTS) | LOCATION | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LIGHTING | INTERIOR | 584 | 20A/1P | 1 | * | | 2 | 20A/1P | 264 | EXTERIOR | LIGHTING |
| RECEPTACLES | INTERIOR | 720 | 20A/1P | 3 | | * | 4 | 20A/1P | 500 | MECH RM | CONTROL PANEL |
| RECEPTACLES | EXTERIOR | 360 | 20A/1P | 5 | * | | 6 | 20A/1P | 595 | SITE | POLE LIGHTING |
| WATER HEATER | JANITOR | 2000 | 25A/2P | 7 | | * | 8 | 20A/1P | 696 | WOMEN | EF-1 |
| *MULTI-POLE* | | 2000 | | 9 | * | | 10 | 20A/1P | | | SPARE |
| SPARE | | | 20A/1P | 11 | | * | 12 | 20A/1P | | | SPARE |
| SPARE | | | 20A/1P | 13 | * | | 14 | 20A/1P | | | SPARE |
| SPARE | | | 20A/1P | 15 | | * | 16 | 20A/1P | | | SPARE |
| SPARE | | | 20A/1P | 17 | * | | 18 | 20A/1P | | | SPARE |
| SPARE | | | 20A/1P | 21 | | * | 20 | 20A/1P | | | SPARE |
| SPARE | | | 20A/1P | 23 | * | | 22 | 20A/1P | | | SPARE |
| SPARE | | | 20A/1P | 19 | | * | 24 | 20A/1P | | | SPARE |
| CONNECTED LOAD (KW) - A* | | 3.80 | | | | | | | TOTAL CONNECTED LOAD (KW) | | 7.72 |
| CONNECTED LOAD (KW) - B* | | 3.92 | | | | | | | TOTAL CONNECTED LOAD (AMPS) | | 32 |

| PROGRAMMABLE LOW VOLTAGE LIGHTING CONTROL RELAY SCHEDULE | | | | |
|---|---|---|---|---|
| RELAY TAG | ROOMS/LIGHTS CONTROLLED | CONNECT TO PANEL | CONNECT TO CIRCUIT | REMARKS |
| R1 | EXTERIOR BLDG LTG | 1L1 | 2 | PHOTOCELL AND SWITCH CONTROLLED |
| R2 | POLE SITE LIGHTING | 1L1 | 6 | PHOTOCELL AND SWITCH CONTROLLED |
| R3 | INTERIOR BLDG LTG | 1L1 | 1 | PHOTOCELL AND SWITCH CONTROLLED |
| R4 | SPARE | | | |
| | | | | |
| | | | | |

## MECHANICAL EQUIPMENT SCHEDULE

| EQUIPMENT TAG | DESCRIPTION | LOAD | VOLTAGE & PHASE | BRANCH CIRCUIT PROTECTION | SETS | BRANCH CIRCUIT SIZE AND TYPE | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | TRIP | | CONDUIT SIZE | CONDUIT TYPE | CONDUCTORS NO. | CONDUCTORS SIZE | CONDUCTORS TYPE | GROUND SIZE | GROUND TYPE |
| EF-1 | EXHAUST FAN | 1/4 HP | 120V,1ø,2W | 20A/1P | 1 | 3/4" | EMT | 2 | 12AWG | CU THWN | 12AWG | CU THWN |
| | | | | | | | | | | | | |


TOWER ENGINEERING
115 Evergreen Heights Drive, Suite 400, Pittsburgh, Pennsylvania 15229-1346
412.931.8888 • Fax: 412.939.2525 • www.estower.com


Project No: 2021223

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
T STEFFANIE BAKO
ENGINEER
PE061041

03/11/23


DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE USED ON EXTENSIONS OF THE PROJECT, OR OTHER PROJECTS, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO THE ARCHITECT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL DIMENSIONS AT THE JOB SITE. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE PROJECT.

© Tusick & Associates Architects, Inc.



TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com


REVISIONS

DRAWN BY: JVM
CHECKED BY: TSB
DATE ISSUED: 03/11/23
DATE PRINTED: 03/11/23

ELECTRICAL SCHEDULES

HACP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214

SHEET NUMBER:

E1.2

# HVAC SYMBOLS & ABBREVIATIONS

## SHEET METAL SYMBOLS

SUPPLY AIR DUCT TURNED UP

SUPPLY AIR DUCT TURNED DOWN

RETURN, EXHAUST OR RELIEF AIR DUCT TURNED UP

RETURN, EXHAUST OR RELIEF AIR DUCT TURNED DOWN

RETURN, EXHAUST OR RELIEF AIR DUCT PENETRATION THRU ROOF

SUPPLY AIR DUCT PENETRATION THRU ROOF

DIRECTION OF AIR FLOW ARROW

RECTANGULAR DUCT. DIMENSION IS FREE AREA. REFER TO PROJECT MANUAL FOR DUCT LINER REQUIREMENTS. ADD LINER THICKNESS TO EACH DIMENSION TO GET OUTSIDE DIMENSION OF SHEET METAL.
(1ST FIGURE, SIDE SHOWN; 2ND FIGURE, SIDE NOT SHOWN.)
DUCT SIZE WITH A 'X' PREFIX (E.G. x24/12) INDICATES EXISTING DUCT SIZE.

24/12

RECTANGULAR MAIN DUCT WITH 45° CLINCH COLLAR, AND VOLUME DAMPER IN SUB-DUCT. (PER SMACNA DUCT CONSTRUCTION STANDARDS)

ROUND DUCT. SINGLE WALL.
FOR DOUBLE WALL DUCT REQUIREMENTS, SEE SPECIFICATION AND/OR SEE CODED NOTES ON PLANS.

12"ø

ROUND MAIN DUCT WITH 90° TAP OR 90° SADDLE TAP AND VOLUME DAMPER IN SUB-DUCT. (PER SMACNA DUCT CONSTRUCTION STANDARDS)

16/12 — 24/12

TRANSITIONS. GIVE SIZES. NOTE F.O.T. (FLAT ON TOP), OR F.O.B. (FLAT ON BOTTOM) IF APPLICABLE.

OR

ACCESS DOOR (AD) OR
ACCESS PANEL (AP) AS NOTED.

UP (or DN)

INCLINED RISE (UP) OR DROP (DN).
ARROW IN DIRECTION OF AIR FLOW.

DD

DUCT MOUNTED SMOKE DETECTOR

VOLUME DAMPER

BDD CBBDD

BACKDRAFT DAMPER (BDD)
COUNTER BALANCED BACKDRAFT DAMPER (CBBDD)

AAD

AUTOMATIC AIR DAMPER

FD F/SD SD

FIRE DAMPER (FD)
FIRE/SMOKE DAMPER (F/SD)
SMOKE DAMPER (SD)

FLEXIBLE DUCT CONNECTION
TO FAN (OR EQUIP.
WITH FAN)

FLEXIBLE DUCT

FLEXIBLE DUCT CONNECTION, WITH EQUIVALENT 90° ELBOW, TO ROUND DIFFUSER.

FLEXIBLE DUCT OR ROUND HARD METAL DUCT CONNECTION, WITH NO 90° ELBOW, TO ROUND DIFFUSER.

FLEXIBLE DUCT CONNECTION, WITH ONE EQUIVALENT 90° TURN OR OFFSET, TO SQUARE DIFFUSER.

FLEXIBLE DUCT OR ROUND HARD METAL DUCT CONNECTION, WITH NO 90° ELBOW, TO SQUARE DIFFUSER.

DIRECTION DIFFUSER (SLD). DARKENED QUADRANT(S) NO AIR FLOW. 3-WAY BLOW SHOWN.

ø

ROUND DUCT

FLAT OVAL DUCT

DIRECTION OF AIR FLOW IN OR OUT OF EQUIPMENT OR AN AIR TERMINAL DEVICE.

## GENERAL DRAWING SYMBOLS

POINT OF CONNECTION – NEW TO EXISTING

DEMOLITION LIMIT

NO

CODED NOTE
'NO' DENOTES SEQUENTIAL ALPHANUMERIC DESIGNATION

ID
FL-NO

EQUIPMENT TAG
(REFER TO APPROPRIATE SCHEDULE)
'ID' DENOTES EQUIPMENT TYPE (I.E. EF=EXHAUST FAN)
'FL' DENOTES FLOOR EQUIPMENT IS LOCATED ON
'NO' DENOTES SEQUENTIAL ALPHANUMERIC DESIGNATION
NOTE: A TEXT STRING MAY ALSO BE USED TO IDENTIFY SCHEDULED EQUIPMENT. E.G. "ID-NO".

OBD
ID
SB
CFM

DIFFUSER, REGISTER, GRILLE TAG
(REFER TO APPROPRIATE SCHEDULE)
'ID' DENOTES DIFFUSER, REGISTER, GRILLE TYPE
(I.E. SCD=SQUARE CONE DIFFUSER)
'SB' DENOTES NECK SIZE AND BLOW PATTERN
(I.E. 123=12"ø OR 12"x12" NECK WITH 3-WAY BLOW PATTERN)
'CFM' INDICATES AIR FLOW RATE IN CFM
OBD INDICATES THAT AN OPPOSED BLADE DAMPER SHALL BE PROVIDED
(I.E. WHEN OBD NOT SHOWN, NO OPPOSED BLADE DAMPER SHALL BE PROVIDED.

NO
D1 D2

SECTION INDICATOR
'NO' DENOTES SEQUENTIAL ALPHABETIC DESIGNATION
'D1' DENOTES DRAWING ON WHICH SECTION CUT
'D2' DENOTES DRAWING ON WHICH SECTION IS LOCATED

NO
DWG

DETAIL INDICATOR
'NO' DENOTES SEQUENTIAL ALPHANUMERIC DESIGNATION
'DWG' DENOTES DRAWING ON WHICH DETAIL IS LOCATED

NO/DWG

ELEVATION/VIEW INDICATOR
'NO' DENOTES SEQUENTIAL ALPHANUMERIC DESIGNATION
'D' DENOTES DRAWING ON WHICH ELEVATION/VIEW IS LOCATED

REVISION INDICATOR
'NO' DENOTES REVISION LEVEL

## CONTROL SYMBOLS

$_F$ PILOT SWITCH (FAN CONTROL)

C VARIABLE SPEED CONTROLLER

P PUSH BUTTON CONTROLLER WITH PILOT LIGHT

H HUMIDISTAT OR HUMIDITY SENSOR

T THERMOSTAT OR TEMPERATURE SENSOR

$T_N$ NIGHT THERMOSTAT

TH TEMPERATURE/HUMIDITY CONTROL

$CO_2$ CARBON DIOXIDE SENSOR

CO CARBON MONOXIDE SENSOR

## GENERAL NOTES: (ALL DRAWINGS)

A. UNLESS CONDITIONS DO NOT PERMIT, ALL RADIUSED ELBOWS SHOWN ON THE DRAWINGS SHALL BE PROVIDED. WHERE CONDITIONS DO NOT PERMIT, MITERED RECTANGULAR ELBOWS WITH TURNING VANES MAY BE PROVIDED IN LIEU OF RADIUSED ELBOWS. THE RADIUSED RECTANGULAR ELBOWS SHALL HAVE A RADIUSED HEEL AND A RADIUSED THROAT, AND SHALL HAVE A CENTERLINE RADIUS NOT LESS THAN 1.5 TIMES THE DUCT WIDTH.

B. ALL MITERED RECTANGULAR DUCT ELBOWS HAVING AN ANGLE GREATER THAN 45° SHALL BE PROVIDED WITH TURNING VANES.

C. DUCTWORK SHALL NOT BE INSTALLED ABOVE ELECTRICAL PANELS. COORDINATE DUCTWORK WITH ELECTRICAL CONTRACTOR.

D. FINAL THERMOSTAT, SENSOR, AND EXHAUST FAN SWITCH LOCATIONS MUST BE APPROVED BY THE ARCHITECT AND OWNER PRIOR TO INSTALLATION.

E. DUCT DETECTORS SHALL BE PROVIDED BY THE E.C. AND MOUNTED BY THE H.C. THE E.C. SHALL PROVIDE ALL POWER WIRING AND FIRE ALARM CONTROL WIRING FOR THE DETECTOR. THE H.C. SHALL PROVIDE ALL FAN SHUTDOWN CONTROL WIRING.

F. REFERENCES MADE TO THE CONTRACTOR, THE HEATING CONTRACTOR, THE HVAC CONTRACTOR, AND THE MECHANICAL CONTRACTOR SHALL MEAN ONE AND THE SAME.

G. PRIOR TO THE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL MEASURE AIR AND WATER FLOW RATES ON EXISTING AIR AND WATER SYSTEMS AND EQUIPMENT MODIFIED UNDER THIS PROJECT. SUBMIT BALANCE REPORT FOR REVIEW.

NOTE: THE DATA OBTAINED FROM THIS PRE-CONSTRUCTION AIR AND WATER BALANCE SHALL BE USED TO BALANCE THE AIR AND WATER SYSTEMS AT THE CONCLUSION OF EACH PHASE OF CONSTRUCTION WORK.

NOTE: NOT ALL OF THE SYMBOLS/ABBREVIATIONS SHOWN ON THIS DRAWING ARE USED WITHIN THE DRAWING SET.

## ABBREVIATIONS

| | |
|---|---|
| AAD | AUTOMATIC AIR DAMPER |
| AAV | AUTOMATIC AIR VENT |
| ABV | ABOVE |
| ACU | AIR CONDITIONING UNIT |
| AD | ACCESS DOOR |
| ADC | AIR DIFFUSION COUNCIL |
| AFF | ABOVE FINISHED FLOOR |
| AGA | AMERICAN GAS ASSOCIATION |
| AHU | AIR HANDLING UNIT |
| ALT | ALTERNATE |
| AMCA | AIR MOVEMENT AND CONTROL ASSOCIATION |
| AP | ACCESS PANEL |
| APD | AIR PRESSURE DROP |
| ARI | AIR-CONDITIONING AND REFRIGERATION INSTITUTE |
| AS | AIR SEPARATOR |
| ASHRAE | AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS |
| ASME | AMERICAN SOCIETY OF MECHANICAL ENGINEERS |
| ASTM | AMERICAN SOCIETY FOR TESTING AND MATERIALS |
| ATC | AUTOMATIC TEMPERATURE CONTROL |
| B | BOILER |
| BAS | BUILDING AUTOMATION SYSTEM |
| BCU | BLOWER COIL UNIT |
| BDD | BACK-DRAFT DAMPER |
| BFP | BACK-FLOW PREVENTER |
| BFV | BUTTERFLY VALVE |
| BHP | BREAK HORSE POWER |
| BJ | BETWEEN JOISTS |
| BL STL | BLACK STEEL |
| BLDG | BUILDING |
| BTUH | BRITISH THERMAL UNITS/HOUR |
| BV | BALL VALVE |
| C | CHILLER |
| CAU | COMBUSTION AIR UNIT |
| CBBDD | COUNTER BALANCED BACKDRAFT DAMPER |
| CC | COOLING COIL |
| CD | COIL CONDENSATE DRAIN OR CEILING DIFFUSER |
| CFM | CUBIC FEET PER MINUTE |
| CHWR | CHILLED WATER RETURN |
| CHWS | CHILLED WATER SUPPLY |
| CLG | CEILING |
| CO | CLEAN OUT |
| CONN | CONNECTION |
| CP | CONTROL PANEL |
| CRAC | COMPUTER ROOM AIR CONDITIONING UNIT |
| CS | CIRCUIT SETTER |
| CU | CONDENSING UNIT |
| CUH | CABINET UNIT HEATER |
| CV | HOT WATER CONVECTOR |
| CW | COLD WATER OR CITY WATER DB DRY BULB |
| DCW | DOMESTIC COLD WATER |
| °F | DEGREE FAHRENHEIT |
| DD | DUCT MOUNTED SMOKE DETECTOR |
| DDG | DOUBLE DEFLECTION GRILLE |
| DEMO | DEMOLITION |
| DL | DRUM LOUVER |
| DX | DIRECT EXPANSION |
| EAT | ENTERING AIR TEMPERATURE (°F) |
| EC | ELECTRICAL CONTRACTOR |
| ECG | EGG CRATE GRILLE |
| ECH | ELECTRIC CEILING HEATER |
| ECP | ELECTRIC RADIANT CEILING PANEL |
| ECUH | ELECTRIC CABINET UNIT HEATER |
| EDC | ELECTRIC DUCT COIL |
| EER | ENERGY EFFICIENCY RATIO |
| EF | EXHAUST FAN |
| EG | EXHAUST GRILLE |
| EJ | EXPANSION JOINT |
| ER | EXHAUST REGISTER |
| ERCP | ELECTRIC RADIANT CEILING PANEL |
| ESP | EXTERNAL STATIC PRESSURE |
| ET | EXPANSION TANK ELECTRIC |
| EUH | UNIT HEATER |
| EWH | ELECTRIC WALL HEATER |
| EWT | ENTERING WATER TEMPERATURE |
| EXP | EXPANSION |
| FD | FIRE DAMPER |
| F/S D | FIRE AND SMOKE DAMPER |
| FCU | FAN COIL UNIT |
| FLA | FULL LOAD AMPS |
| FLEX | FLEXIBLE |
| FO | FLAT OVAL DUCTWORK |
| FOB | FLAT ON BOTTOM |
| FOT | FLAT ON TOP |
| FPB | FAN POWERED BOX |
| FT | FEET |
| FTR | FINNED TUBE RADIATION |
| FURN | FURNISH |
| G | GAS (NATURAL OR REFRIGERANT) |
| GA | GAUGE |
| GC | GENERAL CONTRACTOR |
| GFU | GLYCOL FEED UNIT |
| GMRU | GROUND MOUNTED ROOFTOP UNIT |
| GPM | GALLONS PER MINUTE |
| GUH | GAS FIRED UNIT HEATER |
| GV | GATE VALVE |
| H | HUMIDISTAT |
| HB | DRAIN VALVE WITH HOSE CONNECTION (HOSE BIBB) |
| HC | HVAC CONTRACTOR |
| HD | KITCHEN/LAB HOOD |
| HDGG | HEAVY DUTY GYM GRILLE |
| HI | HYDRONICS INSTITUTE |
| HP | HORSEPOWER OR HEAT PUMP |
| HR | HOUR |
| HRU | HEAT RECOVERY UNIT |
| HU | HUMIDIFIER |
| HVAC | HEATING, VENTILATING & AIR CONDITIONING |
| HVU | HEATING AND VENTILATING UNIT |
| HWC | HOT WATER COIL |
| HWR | HOT WATER RETURN |
| HWS | HOT WATER SUPPLY |
| IDF | INDUCED DRAFT FAN |
| IMC | INTERNATIONAL MECHANICAL CODE |
| IN | INCH |
| IWG | INCHES WATER GAUGE |
| KH | KITCHEN HOOD |
| KSU | KITCHEN SUPPLY UNIT |
| KW | KILOWATT |
| L | LOUVER OR LIQUID (REFRIGERANT) |
| LAT | LEAVING AIR TEMPERATURE (°F) |
| LBG | LINEAR BAR GRILLE |
| LBS | POUNDS |
| LH | LAB HOOD |
| LRG | LINEAR RETURN GRILLE |
| LSD | LINEAR SLOT DIFFUSER |
| LSR | LINEAR SLOT RETURN |
| LWT | LEAVING WATER TEMPERATURE |
| MANUF | MANUFACTURER |
| MAU | MAKE-UP AIR UNIT |
| MAV | MANUAL AIR VENT |
| MAX | MAXIMUM |
| MBH | 1000 BTUH |
| MCA | MINIMUM CIRCUIT AMPS |
| MIN | MINIMUM |
| MOCP | MAXIMUM OVER CURRENT PROTECTION |
| MTD | MOUNTED |
| N.C. | NORMALLY CLOSED |
| NFPA | NATIONAL FIRE PROTECTION ASSOCIATION |
| N.O. | NORMALLY OPEN |
| NO. | NUMBER |
| NPW | NON POTABLE WATER |
| OA | OUTSIDE AIR |
| OAI | OUTSIDE AIR INTAKE |
| OBD | OPPOSED BLADE DAMPER |
| OCC | OCCUPANCY |
| OS&Y | OUTSIDE STEM AND YOKE GATE VALVE |
| P | PUMP |
| PC | PLUMBING CONTRACTOR |
| PD | PRESSURE DROP OR PUMPED DISCHARGE |
| PG | PRESSURE GAUGE |
| PRV | PRESSURE RELIEF VALVE |
| PRS | PRESSURE REDUCING STATION |
| PSI | POUNDS PER SQUARE INCH |
| P/T | PRESSURE/TEMPERATURE PORT |
| PV | PLUG VALVE |
| RA | RETURN AIR |
| RCD | ROUND CONE DIFFUSER |
| RCP | RADIANT CEILING PANEL (HOT WATER) |
| RG | RETURN GRILLE |
| RL | REFRIGERANT LIQUID |
| R/L A | RELIEF AIR |
| RPM | REVOLUTIONS PER MINUTE |
| RR | RETURN REGISTER |
| RS | REFRIGERANT SUCTION |
| RTU | ROOFTOP UNIT |
| RV | ROOF VENTILATOR |
| S | SUCTION (REFRIGERANT) |
| SA | SUPPLY AIR OR SOUND ATTENUATOR |
| SAN | SANITARY |
| SCD | SQUARE CONE DIFFUSER (4-WAY BLOW PATTERN |
| SD | SMOKE DAMPER |
| SDG | SPIRAL DUCT GRILLE |
| SENS | SENSIBLE |
| SF | SUPPLY FAN |
| SFC | SPLIT FAN COIL UNIT |
| SG | SUPPLY GRILLE |
| SLD | SQUARE DIRECTIONAL DIFFUSER |
| SMACNA | SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION |
| SPD | SQUARE PLAQUE DIFFUSER |
| SR | SUPPLY REGISTER |
| ST STL | (SS) STAINLESS STEEL |
| T | THERMOSTAT OR THERMOMETER |
| TB | TERMINAL BOX |
| TDV | TRIPLE DUTY VALVE |
| TJ | THREAD JOISTS |
| TPD | THERMALLY POWERED DIFFUSER |
| TSP | TOTAL STATIC PRESSURE |
| T STAT | THERMOSTAT |
| TYP | TYPICAL |
| UH | UNIT HEATER |
| UV | UNIT VENTILATOR |
| V/PH | VOLT / PHASE |
| VAV | VARIABLE AIR VOLUME |
| VAVD | VARIABLE AIR VOLUME DIFFUSER |
| VEL | VELOCITY |
| VFD | VARIABLE FREQUENCY DRIVE |
| VOL D (VD) | VOLUME DAMPER |
| WB | WET BULB |
| WG | WATER GAUGE |
| WPD | WATER PRESSURE DROP |
| WSHP | WATER SOURCE HEAT PUMP |
| xCD | EXISTING CONDENSATE DRAIN |
| xCHWR | EXISTING CHILLED WATER RETURN |
| xCHWS | EXISTING CHILLED WATER SUPPLY |
| xHWR | EXISTING HOT WATER RETURN |
| xHWS | EXISTING HOT WATER SUPPLY |


TOWER ENGINEERING
115 Evergreen Heights Drive, Suite 400, Pittsburgh, Pennsylvania 15229-1346
412.931.8888 • Fax: 412.939.2525 • www.estower.com
Project No: 2021223

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL
JAMES N. KOSINSKI
ENGINEER
No.059145
03/11/23



DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE USED ON EXTENSIONS OF THE PROJECT, OR OTHER PROJECTS, WITHOUT THE EXPRESS WRITTEN AGREEMENT AND COMPENSATION TO THE ARCHITECT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL DATA AT THE JOB SITE. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE PROJECT.

© Tusick & Associates Architects, Inc.



TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com


REVISIONS

| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| MAC | , | 03/11/23 | 03/11/23 |

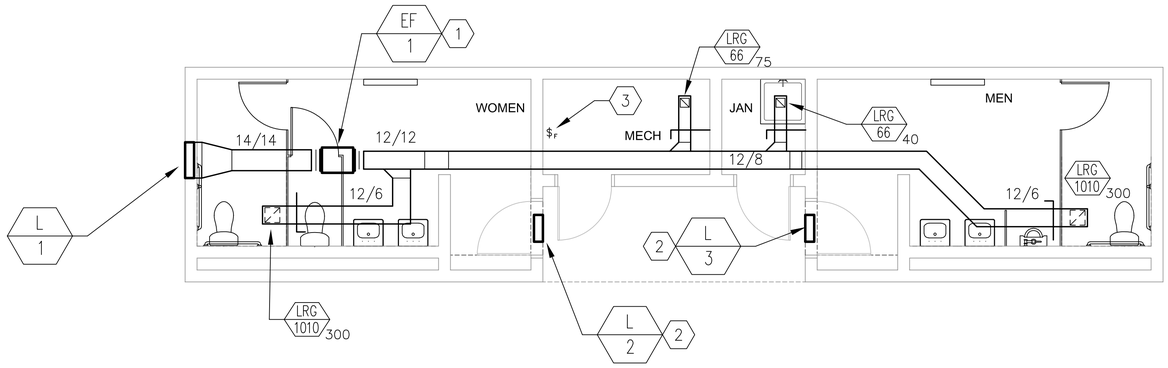
HVAC LEGEND AND ABBREVIATIONS

HACP NVH - Family Recreational Area
525 Mt Pleasent Road,
Pittsburgh, PA 15214

SHEET NUMBER:

H0.0

TOWER ENGINEERING
115 Evergreen Heights Drive, Suite 400, Pittsburgh, Pennsylvania 15229-1346
412.931.8888 • Fax: 412.939.2525 • www.estower.com
Project No: 2021223




CODED NOTES: (THIS DRAWING)

1. ___ SHALL PROVIDE ACCESS DOOR FOR EXHAUST FAN LOCATED ABOVE CEILING
2. PROVIDE LOUVER ABOVE DOOR AND BELOW RESTROOM CEILING.
3. THE HC SHALL PROVIDE A MANUAL WALL SWITCH AND ALL INTERCONNECTING CONTROL WIRING BETWEEN THE ON/OFF SWITCH AND EXHAUST FAN EF-1. COORDINATE LOCATION OF SWITCH WITH OWNER AND ARCHITECT.

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
JAMES N. KOSINSKI
ENGINEER
No.065145
03/11/23

DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE USED ON EXTENSIONS OF THE PROJECT, OR OTHER PROJECTS, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO THE ARCHITECT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL DIMENSIONS AT THE JOB SITE. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE PROJECT.

© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| MAC | - | 03/11/23 | 03/11/23 |

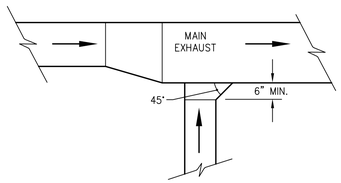
HVAC NEW WORK PLAN

HACP NVH - Family Recreational Area
525 Mt Pleasent Road,
Pittsburgh, PA 15214

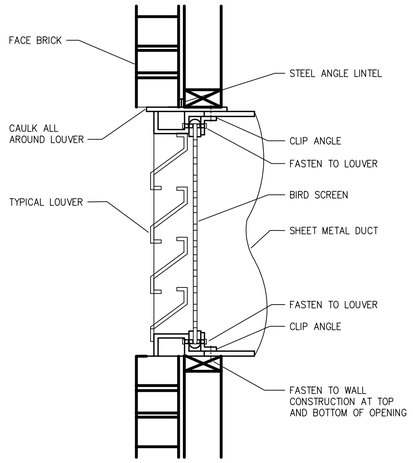
SHEET NUMBER:

H1.0

TOWER ENGINEERING
115 Evergreen Heights Drive, Suite 400, Pittsburgh, Pennsylvania 15229-1346
412.931.8888 • Fax: 412.939.2525 • www.estower.com
Project No: 2021223




PLAN VIEW–EXHAUST BRANCH DUCT DETAIL
NO SCALE




LOUVER IN MASONRY WALL DETAIL
NO SCALE

## EXHAUST/SUPPLY FAN SCHEDULE

| UNIT NO. | AREA SERVED | TYPE | TOTAL AIRFLOW (CFM) | E.S.P. (in WG) | MOTOR RPM | MOTOR NAMEPLATE HP | MOTOR BHP | MOTOR V/PH | CONTROL | SONES | BASED ON MANUF. | BASED ON MODEL | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EF–1 | TOILETS | IN–D | 715 | 0.6 | 1390 | 1/4 | 0.12 | 120 / 1 | WALL SWITCH | 7.2 | GREENHECK | SQ–100–VG | 1, 2, 5 |
| | | | | | | | | | | | | | |

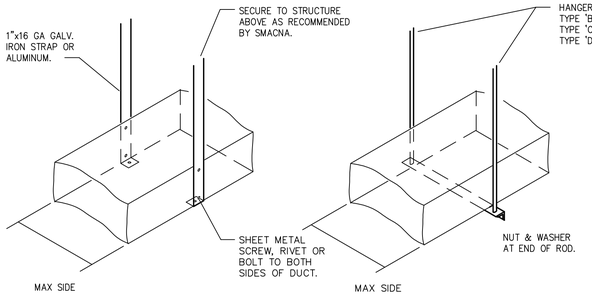
TYPE:
CCE CABINET CEILING EXHAUSTER
CRE–D CENTRIFUGAL ROOF EXHAUST – DIRECT DRIVE
CRE–B CENTRIFUGAL ROOF EXHAUST – BELT DRIVE
KHE–B UPBLAST KITCHEN HOOD EXHAUST – BELT DRIVE
IL–D INLINE EXHAUSTER – DIRECT DRIVE
IL–B INLINE EXHAUSTER – BELT DRIVE
ILS–D INLINE SUPPLY FAN – DIRECT DRIVE
ILS–B INLINE SUPPLY FAN – BELT DRIVE

REMARKS:
1. INTEGRAL DISCONNECT.
2. INTEGRAL SPEED CONTROL.
3. 24" ROOF CURB.
4. GREASE TERMINATION.
5. BACK DRAFT DAMPER.
6. FAN GUARD.
7. 2–SPEED MOTOR.
8. EXPLOSION PROOF.

## AIR GRILLE SCHEDULE

| TAG | TYPE | MAX AIRFLOW (CFM) | NECK SIZE (in x in) | NOMINAL FACE SIZE (in x in) | INTEGRAL DAMPER (1) | MAX S.P. (in WG) | BASED ON MANUF. | BASED ON MODEL | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| RG–66 | LINEAR RETURN GRILLE | 75 | 6x6 | 8x8 | NO | 0.05 | PRICE INDUSTRIES | 630 | 1, 2 |
| RG–1010 | LINEAR RETURN GRILLE | 300 | 10x10 | 12x12 | NO | 0.05 | PRICE INDUSTRIES | 630 | 1, 2 |
| | | | | | | | | | |

REMARKS:
1. DO NOT PROVIDE INTEGRAL DAMPER UNLESS INDICATED ON THE DOCUMENTS.
2. 45 DEGREE DEFLECTION.




TYPE 'A'
8 FT. MAX. HANGER SPACING
ALSO PROVIDE 3 HANGERS AT EACH TAKEOFF OR BRANCH.

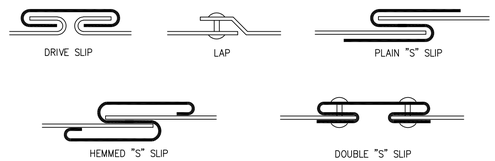
TYPE 'B', 'C' & 'D'
8 FT. MAX. HANGER SPACING

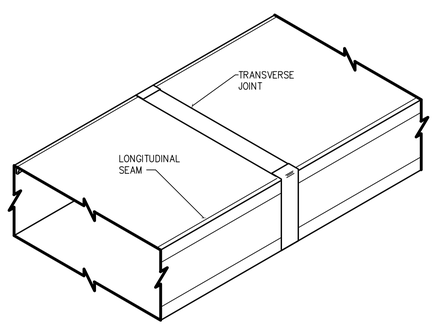
| DUCT SCHEDULE | | |
|---|---|---|
| DUCT DIMENSIONS INCHES | | TYPE HANGER |
| UP THRU | 12 | A |
| 13 | 18 | A |
| 19 | 30 | A/B |
| 31 | 42 | B |
| 43 | 54 | B |
| 55 | 60 | B |
| 61 | 84 | C |
| 85 | 96 | C |
| OVER | 96 | D |

NOTES:
1. FOR SEVERAL DUCTS ON ONE HANGER TYPE 'B'–'C' OR 'D' MAY BE USED. SIZE OF HANGER WILL BE SELECTED ON THE SUM OF DUCT WIDTHS EQUAL TO MAX. WIDTH OF DUCT SCHEDULES.
2. SCHEDULES FOR ANGLES FOR BRACING: TYPE 'B' 1 1/2" x1 1/2"x1/8" ANGLE, MAX. SPACING 8'–0" CENTERS; TYPE 'C' 1 1/2"x1 1/2"x3/16" ANGLE MAX. SPACING 8'–0" CENTERS; TYPE 'D' 2"x2"x1/4" MAX. SPACING 4'–0" CENTERS.

DUCT HANGER DETAIL
NO SCALE

JOINT OPTIONS




UNREINFORCED DUCT DETAIL
NO SCALE

## LOUVER SCHEDULE

| TAG | SERVING | SIZE (IN) WIDTH x HEIGHT | FREE AREA (SF) | MAX CFM | PRESSURE DROP (in WG) | BASED ON MANUF. | BASED ON MODEL | REMARKS |
|---|---|---|---|---|---|---|---|---|
| L–1 | EF–1 | 24 x 18 | 0.94 | 740 | 0.1 | AWV | LE–34 | 1, 2 |
| L–2 | WOMEN | 18 x 12 | 0.29 | 300 | 0.17 | AWV | LE–34 | 1, 2 |
| L–3 | MEN | 18 x 12 | 0.29 | 300 | 0.17 | AWV | LE–34 | 1, 2 |
| | | | | | | | | |

REMARKS:
1. COLOR AND FINISH SELECTION BY ARCHITECT.
2. INSECT SCREEN.
3. INTERLOCK MOTORIZED DAMPER WITH EQUIPMENT OPERATION.

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
JAMES N. KOSINSKI
ENGINEER
No.068145
03/11/23

DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE USED ON EXTENSIONS OF THE PROJECT, OR OTHER PROJECTS, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO THE ARCHITECT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL DATA AT THE JOB SITE. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE PROJECT.
© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| MAC | , | 03/11/23 | 03/11/23 |

HVAC DETAILS & SCHEDULES

HACP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214

SHEET NUMBER:
H2.0

# PLUMBING GENERAL NOTES

A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY FITTINGS AS REQUIRED BY ALL APPLICABLE CODES AND GOVERNING AUTHORITIES.

B. THE CONTRACTOR SHALL VERIFY AND CORRECT, AS REQUIRED TO MEET ALL CODES AND REGULATIONS, ANY AND ALL POSSIBLE DISCREPANCIES BETWEEN TYPE AND SIZE OF CONNECTIONS SPECIFIED IN THE PLUMBING FIXTURE SCHEDULES AND FIXTURES ACTUALLY INSTALLED.

C. VALVES AND FITTINGS SHALL BE OF THE SAME SIZE AS THE PIPING OF WHICH THEY ARE INSTALLED.

D. THE DRAWINGS ARE DIAGRAMMATIC, THE CONTRACTOR SHALL VERIFY ACTUAL CONDITIONS AT THE SITE PRIOR TO ANY INSTALLATION.

E. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES AND EXISTING CONDITIONS.

F. CONTRACTOR SHALL FIELD VERIFY ALL MEASUREMENTS PRIOR TO LAYING AND CONNECTING ALL SANITARY, STORM AND WASTE PIPING AND SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES.

G. INSTALL WATER HAMMER ARRESTORS ON HOT AND COLD WATER PIPING TO EACH FIXTURE OR BATTERY OF FIXTURES. ARRESTORS SHALL BE FACTORY FABRICATED, SIZED AND PLACED IN ACCORDANCE WITH PLUMBING AND DRAINAGE INSTITUTE STANDARD P.D.I. WH–201. INSTALL WATER HAMMER ARRESTORS IN AN ACCESSIBLE LOCATION.

H. AIR CHAMBERS SHALL NOT BE CONSIDERED AN EQUAL TO WATER HAMMER ARRESTORS.

I. ALL PIPING SHALL BE INSTALLED AS CLOSE TO DRAWINGS AS POSSIBLE WITH NO CHANGES IN SIZING.

J. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY SUPPORTING DEVICES FOR ALL FIXTURES INCLUDED IN THE CONTRACT DRAWINGS AND AS SPECIFIED.

K. CONTRACTOR SHALL GIVE SUITABLE NOTICE TO ALL APPLICABLE UTILITY COMPANIES AND OWNER PRIOR TO PERFORMING WORK INVOLVING UTILITIES.

L. ALL PIPING SHALL BE ROUTED CONCEALED ABOVE CEILINGS, WITHIN WALLS OR IN CHASES EXCEPT FINAL CONNECTIONS TO FIXTURES, OR IN MECHANICAL ROOMS AND AS SPECIFICALLY NOTED OTHERWISE.

M. PROVIDE ACCESS PANELS FOR ALL VALVES WITHIN CHASES OR ABOVE NON– ACCESSIBLE CEILINGS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.

N. INSTALL WALL HYDRANTS 24 INCHES ABOVE FINISHED GRADE/FLOOR.

O. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT PLUMBING FIXTURE LOCATIONS, MOUNTING HEIGHTS AND DIMENSIONS.

P. PRIOR TO THE INSTALLATION OF NEW SEWER PIPING, THE CONTRACTOR SHALL VERIFY EXACT INVERT ELEVATIONS OF THE EXISTING SEWERS TO WHICH NEW SEWER PIPING IS TO BE CONNECTED.

Q. ALL VENTS THROUGH ROOF SHALL BE A MINIMUM OF FIFTEEN (15) FEET FROM MECHANICAL EQUIPMENT AIR INTAKES.

R. CONTRACTOR SHALL ROUGH–IN ALL WASTE AND SUPPLY PIPING TO SPECIAL EQUIPMENT IN ACCORDANCE WITH MANUFACTURES APPROVED SHOP DRAWINGS AND MAKE FINAL CONNECTIONS. ALL SUPPLIES SHALL BE VALVED AND INCLUDE VACUUM BREAKERS WHERE REQUIRED BY CODE.

S. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS (INCLUDING PIPE ROUTING AND EQUIPMENT LOCATIONS) TO ARCHITECT/ENGINEER FOR REVIEW PRIOR TO THE INSTALLATION OR PURCHASING OF ANY PIPING AND/OR EQUIPMENT.

T. THE CONTRACTOR SHALL BASE HIS/HER PROPOSAL UPON THE EQUIPMENT, FIXTURES, ETC. SCHEDULED OR SPECIFIED, USING THE MANUFACTURERS AND MODEL NUMBERS AS CALLED FOR IN THE SPECIFICATIONS AND SCHEDULED ON THE DRAWINGS. IF MORE THAN ONE MANUFACTURER IS SPECIFIED, ANY ONE OF THE MANUFACTURERS MAY BE USED IN THE PROPOSAL. IF THE CONTRACTOR WISHES TO USE EQUIPMENT, FIXTURES, ETC. NOT SPECIFIED, HE MUST SUBMIT ON LETTERHEAD STATIONERY, THE EQUIPMENT, FIXTURES, ETC. SUBSTITUTED AND RECEIVE ARCHITECT/ENGINEER APPROVAL 10 DAYS BEFORE THE BID IS DUE.

U. THE CONTRACTOR SHALL ORDER ALL MATERIALS IN SUFFICIENT TIME TO AVOID DELAYING THE COMPLETION OF THE PROJECT. DELAY IN DELIVERIES WILL NOT BE CONSIDERED A JUSTIFIABLE REASON FOR SUBMISSION OF SUBSTITUTE MATERIALS.

V. PIPING SHALL NOT PENETRATE ANY WALL FOOTINGS, COORDINATE WITH GENERAL CONTRACTOR TO DROP FOOTINGS AS REQUIRED TO CLEAR PLUMBING SERVICES WHERE ABSOLUTELY NECESSARY. PIPING PENETRATING A BEARING WALL OR FOOTING MUST BE SLEEVED AND THE LOCATION BE APPROVED BY THE STRUCTURAL ENGINEER.

W. EXPOSED PIPING IN FINISHED SPACES SHALL BE CHROME PLATED.

X. MINIMUM SIZE FOR SANITARY PIPING BELOW GRADE IS 4 INCH DIAMETER.

Y. SANITARY AND STORM PIPING IS BELOW THE FLOOR UNLESS OTHERWISE NOTED.

Z. HOT WATER, COLD WATER, AND VENT PIPING IS ABOVE THE CEILING UNLESS OTHERWISE NOTED.

AA. PROVIDE SLEEVES AND FIRE STOP SEALANTS AT ALL PIPE PENETRATIONS THROUGH FIRE RATED FLOORS AND WALLS. COMPLY WITH ASTM E–814 AND UL 1479.

AB. ½" CW TO EACH FLOOR DRAIN..

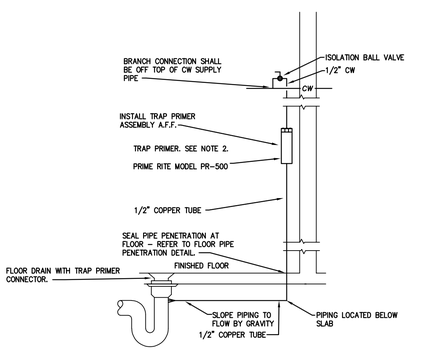
AC. PROVIDE ½" CW BRANCH CONNECTION WITH ISOLATION BALL VALVE TO EACH TRAP PRIMER.

# PLUMBINGLEGEND

- CW — COLD WATER PIPING
- HW — HOT WATER PIPING
- SAN — SANITARY DRAINAGE SYSTEM
- ST — STORM DRAINAGE SYSTEM
- VENT PIPING
- W — WATER MAIN PIPING
- BACKFLOW PREVENTER
- BALL VALVE
- CHECK VALVE
- GATE VALVE
- CLEAN OUT, HORIZONTAL
- CLEAN OUT, VERTICAL
- FD–1 — FLOOR DRAIN W/TAG NO.
- WC–? — PLUMBING FIXTURE W/TAG NO.
- PRESSURE GAGE
- STRAINER, WYE TYPE
- TEE UP, DOWN
- THERMOMETER
- UNION
- WH–? — WALL HYDRANT
- WATER METER
- WATER HAMMER ARRESTOR W/TAG NO.
- NEW CONNECTION SYMBOL

# PLUMBING ABBREVIATIONS

| | |
|---|---|
| AP | ACCESS PANEL |
| APPROX | APPROXIMATELY |
| BFP | BACKFLOW PREVENTER |
| CLG | CEILING |
| CO | CLEANOUT |
| CTB | CONCRETE THRUST BLOCK |
| CW | COLD WATER |
| DF | DRINKING FOUNTAIN |
| DIA | DIAMETER |
| DS | DOWNSPOUT |
| DWG | DRAWING |
| DWH | DOMESTIC WATER HEATER |
| EA | EACH |
| EC | ELECTRICAL CONTRACTOR |
| ELEV | ELEVATION |
| FAI | FRESH AIR INLET |
| FD | FLOOR DRAIN |
| FT | FEET/FOOT |
| GC | GENERAL CONTRACTOR |
| GPM | GALLONS PER MINUTE |
| HC | HEATING CONTRACTOR |
| HW | HOT WATER |
| ID | INSIDE DIAMETER |
| INV | INVERT |
| L OR LAV | LAVATORY |
| MB | MOP BASIN |
| PC | PLUMBING CONTRACTOR |
| PRESS | PRESSURE |
| PRV | PRESSURE REDUCING VALVE |
| PVC | POLY VINYL CHLORIDE |
| PSI | POUNDS PER SQUARE INCH |
| RPZ | REDUCED PRESSURE ZONE |
| RWC | RAIN WATER CONDUCTOR |
| SAN | SANITARY |
| SPEC | SPECIFICATION |
| S/S | STAINLESS STEEL |
| ST | STORM |
| TEMP | TEMPERATURE |
| TYP | TYPICAL |
| U | URINAL |
| V | VENT |
| VTR | VENT THRU ROOF |
| W | WASTE |
| WC | WATER CLOSET |
| WH | WALL HYDRANT |
| WHA | WATER HAMMER ARRESTOR |

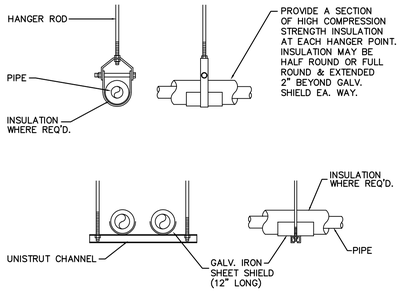



## FLOOR DRAIN TRAP PRIMER DETAIL

NO SCALE

NOTES:

1. TRAP PRIMER SHALL USED TO SERVE SINGLE AND MULTIPLE TRAPS. MULTIPLE BEING SERVE WITH ADD–ON DISTRIBUTION UNIT.
2. IN FINISHED AREAS, ROUTE PIPING WITHIN WALL AND LOCATE TRAP PRIMER IN A RECESSED BOX. BOX SHALL BE FULL SIZE TO SERVICE VALVE AND TRAP PRIMER ASSEMBLY. MINIMUM 12X12 FOR ONE ASSEMBLY. (BASED ON JR. SMITH MODEL 4760)
3. ALL INACCESSIBLE PIPING, SUCH AS BURIED IN CONCRETE, SHALL BE SOFT COPPER WITH MECHANICAL CONNECTIONS. ALL OTHER PIPING SHALL BE HARD COPPER.

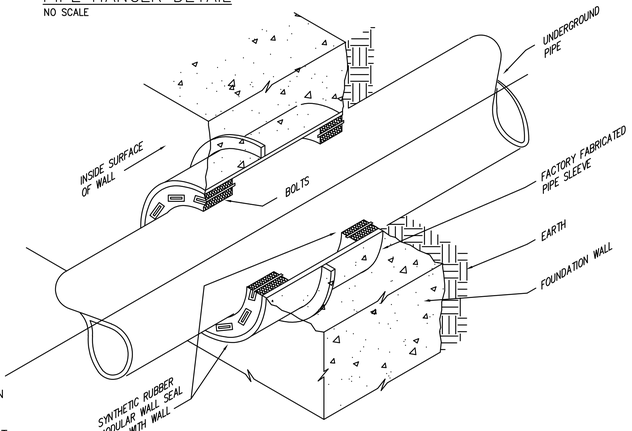



NOTES

1. ATTACH SUPPORTS FOR ALL PIPING SUSPENDED FROM THE STEEL STRUCTURE TO THE TOP CORD OF JOISTS OR BEAMS.
2. PROVIDE COPPER OR PLASTIC COATED HANGERS FOR NON–INSULATED COPPER PIPE.

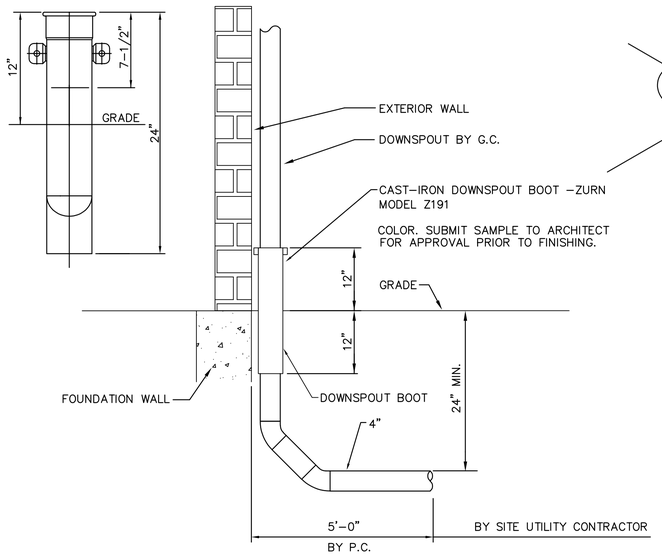
## PIPE HANGER DETAIL

NO SCALE




## BELOW GRADE PIPE SEAL DETAIL

NO SCALE




## DOWNSPOUT BOOT DETAIL DSB–1

NO SCALE

## FIXTURE CONNECTION SCHEDULE

| TAG No. | CW | HW | TRAP | VENT | REMARKS |
|---|---|---|---|---|---|
| WC–1 | 1" | ---- | 4" | 2" | FLOOR MOUNTED WATER CLOSET W/ MANUAL FLUSH VALVE. |
| WC–2 | 1" | ---- | 4" | 2" | FLOOR MOUNTED WATER CLOSET W/ MANUAL FLUSH VALVE, ADA COMPLIANT. |
| U–1 | 3/4" | ---- | 2" | 1 1/2" | WALL–HUNG URINAL W/ MANUAL FLUSH VALVE, ADA COMPLIANT. |
| L–1 | 1/2" | 1/2" | 1 1/2" | 1 1/2" | WALL–HUNG LAVATORY W/ DECK MOUNTED METERED FAUCET. |
| L–2 | 1/2" | 1/2" | 1 1/2" | 1 1/2" | WALL–HUNG LAVATORY W/ DECK MOUNTED METERED FAUCET, ADA COMPLIANT. |
| DF–1 | 1/2" | ---- | 1 1/2" | 1 1/2" | BI–LEVEL REMOTE DRINKING FOUNTAIN – ADA COMPLIANT |
| MB–1 | 3/4" | 3/4" | 3" | 1 1/2" | FLOOR MOUNTED MOP BASIN. |
| WH–1 | 3/4" | ---- | ---- | ---- | NO–FREEZE WALL HYDRANT. |
| HB–1 | 3/4" | ---- | ---- | ---- | MILD CLIMATE HOSE BIB. |
| FD–1 | ---- | ---- | 3" | 2" | FLOOR W/ FLUSH STRAINER AND TRAP PRIMER. |
| FD–2 | ---- | ---- | 3" | 2" | FLOOR W/ RECESSED LIP STRAINER AND TRAP PRIMER. |

## WATER HEATER SCHEDULE

| TAG No. | STORAGE (GAL) | DELIVERY TEMP (°F) | RECOVERY GPH | RECOVERY ΔT | ELECTRICAL VOLT/PH/HZ | KW | CONNECTION IN | CONNECTION OUT | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| DWH–1 | 20 | 140° | 16 | 100° | 1/240/60 | 4 | 1" | 1" | ELECTRIC WATER HEATER BASED ON A.O. SMITH DEL–20 |

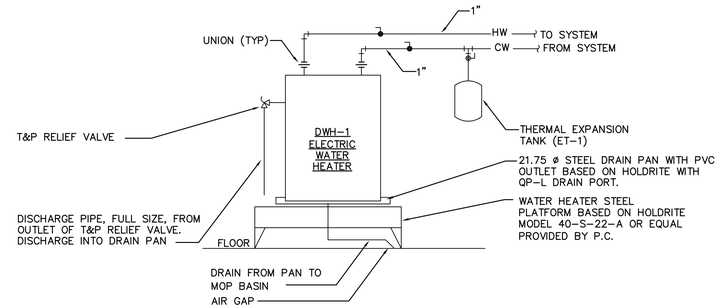
## EXPANSION TANK SCHEDULE

| TAG No. | LOCATION | SERVICE | CAP. (GAL) | SIZE (INCHES) DIA. | SIZE (INCHES) LENGTH | INITIAL FILL PRESS. | REMARKS |
|---|---|---|---|---|---|---|---|
| ET–1 | JANITORS | CW | 5 | 12 | 18 | 40 | AMTROL MODEL ST–12C–DD |

## WATER HAMMER ARRESTOR

| TAG No. | FIXTURE UNITS | SIZE * | PIPE SIZE |
|---|---|---|---|
| WHA–A | 1–11 | A | 1/2" |
| WHA–B | 12–32 | B | 3/4" |
| WHA–C | 33–60 | C | 1" |
| WHA–D | 61–113 | D | 1 1/4" |
| WHA–E | 114–154 | E | 1 1/2" |
| WHA–F | 155–330 | F | 2" |

* PLUMBING AND DRAINAGE INSTITUTE STANDARD PDI–WH–201.




## ELECTRIC WATER HEATER DIAGRAM (DWH–1)

NO SCALE

ENTIRE INSTALLATION SHALL CONFORM TO WATER HEATER MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS.


TOWER ENGINEERING
115 Evergreen Heights Drive, Suite 400, Pittsburgh, Pennsylvania 15229-1346
412.931.8888 • Fax: 412.939.2520 • www.etower.com
Project No: 2021223


COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL ENGINEER — JAMES N. KOSINSKI — No. 059761 — 03/11/23


DRAWINGS & ESPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE USED ON EXTENSIONS OF THE PROJECT, OR OTHER PROJECTS, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO THE ARCHITECT. THE GENERAL CONTRACTOR IS THE JOB SITE. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS TECHNIQUES, SEQUENCES, OR PROCEDURES, OR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE PROJECT.

© Tusick & Associates Architects, Inc.



TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com


REVISIONS

| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| TRZ | TRZ | 03/11/23 | 03/11/23 |

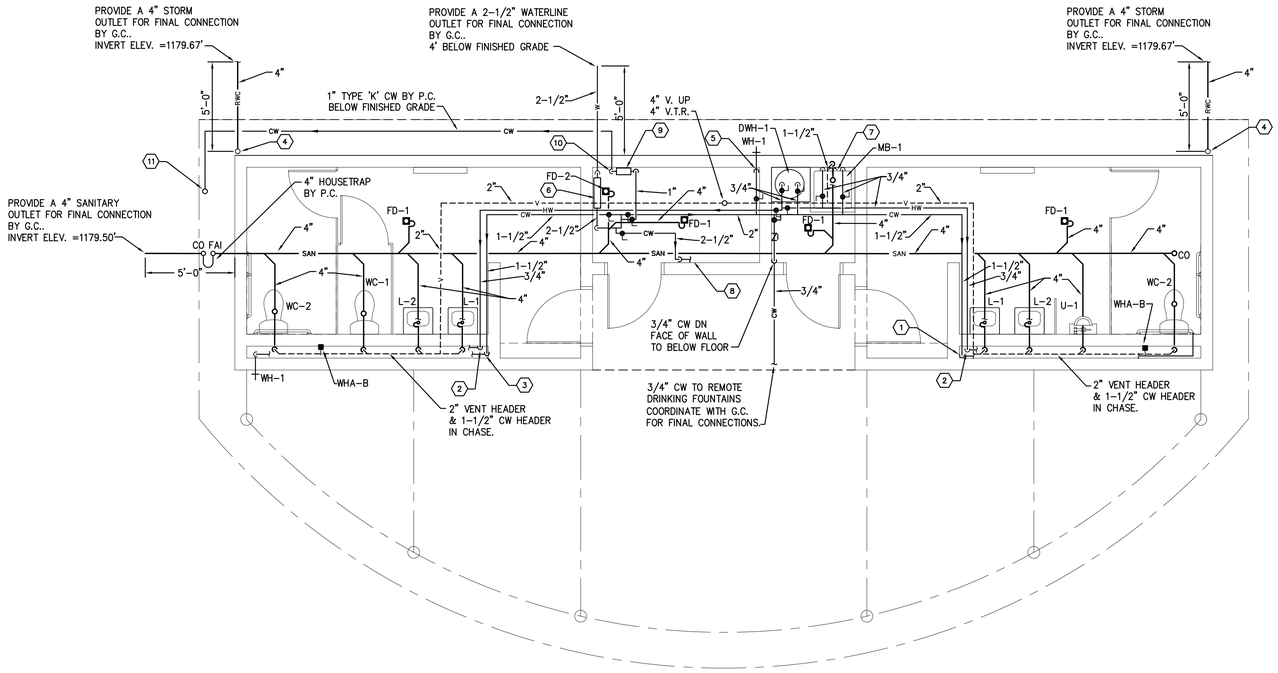
PLUMBING DETAILS & SCHEDULE

HACP NVH - Family Recreational Area
525 Mt Pleasent Road,
Pittsburgh, PA 15214

SHEET NUMBER:

P0.0

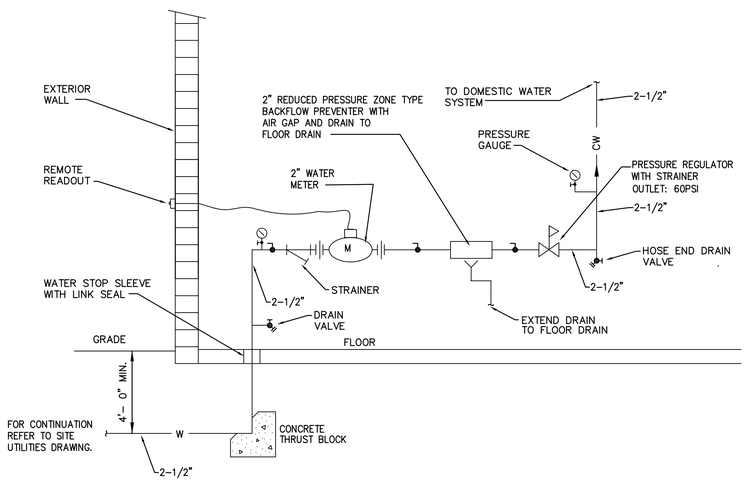
TOWER ENGINEERING
115 Evergreen Heights Drive, Suite 400, Pittsburgh, Pennsylvania 15229-1346
412.931.8888 • Fax: 412.939.2526 • www.etower.com
Project No: 2021223




## FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"

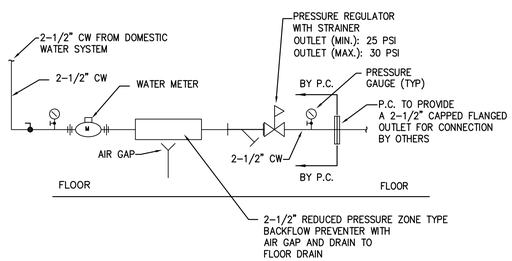
## CODED NOTES: (THIS DRAWING)

1. 1-1/2" CW DN IN CHASE TO SERVE FIXTURES. PROVIDE 1" CW TO EACH WATER CLOSET, ¾" CW TO URINAL AND ½" CW TO EACH LAVATORY.
2. ¾" HW DN IN CHASE TO SERVE FIXTURES. PROVIDE ½" HW TO EACH LAVATORY. PROVIDE ASSE 1070 THERMOSTATIC MIXING VALVE BELOW EACH LAVATORY.
3. 1-1/2" CW DN IN CHASE TO SERVE FIXTURES. PROVIDE 1" CW TO EACH WATER CLOSET, ¾" CW TO WALL HYDRANT AND ½" CW TO EACH LAVATORY.
4. CONTRACTOR TO PROVIDE A 4" CAST-IRON DOWNSPOUT BOOT DSB-1.
5. ¾" CW DN FACE OF WALL TO SERVE WALL HYDRANT.
6. NEW DOMESTIC WATER SERVICE ENTRANCE. REFER TO DETAIL ON THIS DRAWING. COORDINATE EXACT LOCATION WITH PITTSBURGH WATER & SEWER AUTHORITY.
7. ¾" HW & CW DN FACE OF WALL TO SERVE MOP BASIN. 1-1/2" V. UP IN WALL AND 3" SAN DN TO BELOW FLOOR.
8. P.C. TO PROVIDE A 2-1/2" FLANGED CAPPED OUTLET FOR USE BY OTHERS. REFER TO CITY WATER DISTRIBUTION SCHEMATIC THIS DRAWING.
9. P.C. TO REFER TO POINT OF CONNECTION SCHEMATIC ON DRAWING I501 FOR PROVIDING AND INSTALLING IRRIGATION SYSTEM COMPONENTS INDICATED.
10. 1" CW DN BELOW FLOOR.
11. 1" CW FROM BELOW AND UP IN PLANTING BED. PROVIDE CAPPED OUTLET 12" ABOVE FINISHED GRADE OF PLANTING BED. COORDINATE WITH SITE CONTRACTOR ON EXACT LOCATION.

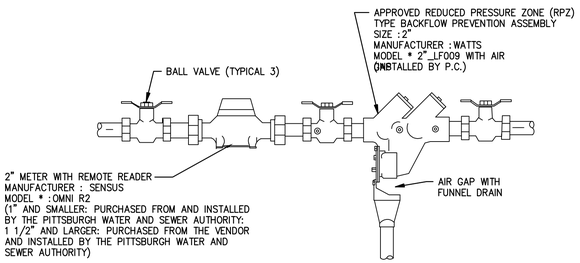



NOTE:
INSTALLATION SHALL BE IN ACCORDANCE WITH PITTSBURGH WATER & SEWER AUTHORITY RULES, REGULATIONS AND REQUIREMENTS. COORDINATE LOCATION OF METER AND BACKFLOW WITH PITTSBURGH WATER & SEWER AUTHORITY.

## WATER SERVICE ENTRANCE DIAGRAM
NO SCALE




## CITY WATER DISTRIBUTION SCHEMATIC (SPLASHPAD WATER EQUIPMENT)
NO SCALE




NOTES:

1. METER TO BE SET IN A WARM, ACCESSIBLE AREA WITHIN DWELLING, A MINIMUM OF 2' FROM FLOOR
2. SEE ALLEGHENY COUNTY PLUMBING CODE FOR PIPING REQUIREMENTS.
3. METER SETTING NOT TO BE BEHIND FURNACE OR HOT WATER, UNDER STEPS, OR OBSTRUCTED IN ANY WAY.
4. PEAK DOMESTIC DEMAND * 160 GPM
5. "BY PWSA" INSTALLED BY THE PITTSBURGH WATER & SEWER AUTHORITY
6. METER SETTING MUST BE COMPLETE BEFORE METER WILL BE SET.
7. PROVIDE PROPER DRAIN AT METER SETTING.
8. METER MUST BE SET IN HORIZONTAL POSITION

## PWSA METER SETTING SCHEMATIC
NO SCALE

NOTE:
INSTALLATION SHALL BE IN ACCORDANCE WITH PITTSBURGH WATER & SEWER AUTHORITY RULES, REGULATIONS AND REQUIREMENTS. COORDINATE LOCATION OF METER AND BACKFLOW WITH PITTSBURGH WATER & SEWER AUTHORITY.

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
JAMES N. KOSINSKI
ENGINEER
No.059871
03/11/23

DRAWINGS & ESPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE USED ON EXTENSIONS OF THE PROJECT, OR OTHER PROJECTS, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO THE ARCHITECT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL DIMENSIONS AT THE JOB SITE. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE PROJECT.
© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS

| DRAWN BY | CHECKED BY | DATE ISSUED | DATE PRINTED |
|---|---|---|---|
| TRZ | TRZ | 03/11/23 | 03/11/23 |

FLOOR PLAN & DETAILS - PLUMBING

HACP NVH - Family Recreational Area
525 Mt Pleasent Road,
Pittsburgh, PA 15214

SHEET NUMBER:
P1.1

# END OF INVITATION FOR BIDS

# FAMILY RECREATIONAL AREA AT NORTHVIEW HEIGHTS, AMP-09

Housing Authority
City of Pittsburgh

412 Boulevard of the Allies, 6th Floor / Pittsburgh, Pennsylvania 15219
Tel: 412-456-5020 Fax: 412-456-5591
**www.HACP.org**