

PART 4: TECHNICAL SPECIFICATIONS AND DRAWINGS

Family Recreational Area at Northview Heights, AMP-09

IFB CONTRACT NO. 600-11-26 Rebid

Contains:

- Geotechnical Exploration Report 09-10-24
- Splashpad Stormwater Water Management Report rev10.22.24
- Distribution Manifold Fabrication
- Aquavator Bollard
- Buckettrio With Acrylic Cut Sheet
- Cast in SS Nozzle Socket
- Controller Manifold Drain
- Reeds Cutsheet
- Ripplerrun Cut Sheet
- Triple Arch Jet SS Nozzle Cutsheet
- Uniflow Cut Sheet
- Vaporarc Acrylic Cut Sheet
- Technical Specifications
- Drawings

Drawings

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 *P_g* shall we indicated in the areas where the ground snow loads *P_g* 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 distance: 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.

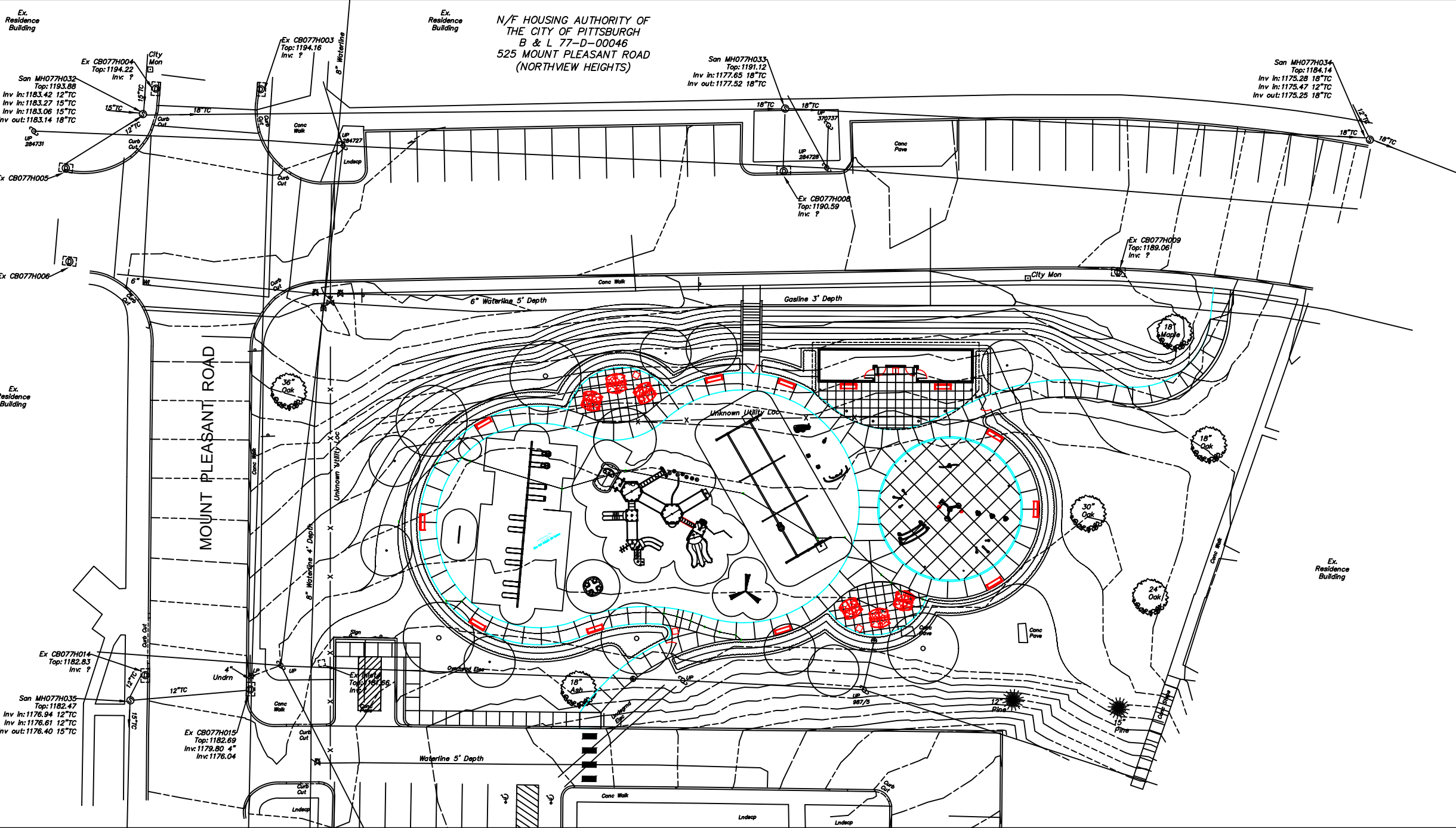
Property Information:
Project Type: New construction of North View Heights - Family Recreation Area Restroom
Owners: Housing Authority City of Pittsburgh.
Site Address: 525 Mt Pleasant Road, Pittsburgh, PA 15214
Parcel ID - City of Pittsburgh: 0077-D-00046-0000-00
Zoning District: R1D-L
Allegheny County 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



Site Plan

NTS

Tusick & Associates Architects, Inc.

PROJECT TEAM:

ARCHITECT

TUSICK & ASSOCIATES ARCHITECTS INC.
Architect: Susan Tusick
123 3RD STREET,
BLAWNOX, PA 15238
Phone: 412-781-8896, Email: info@tusickarchitects.com

CIVIL ENGINEER

COSMOS TECHNOLOGIES INC.
700 River Ave #100
Pittsburgh, PA 15212

ELECTRICAL ENGINEER

TOWER ENGINEERING, INC.
115 Evergreen Heights Drive, Suite 400,
Pittsburgh, PA 15229-1346

MECHANICAL ENGINEER

TOWER ENGINEERING, INC.
115 Evergreen Heights Drive, Suite 400,
Pittsburgh, PA 15229-1346

LANDSCAPE ARCHITECT

KLAVON DESIGN ASSOCIATES, INC
64 South 14th Street
Pittsburgh, PA. 15203

STRUCTURAL & CIVIL ENGINEER

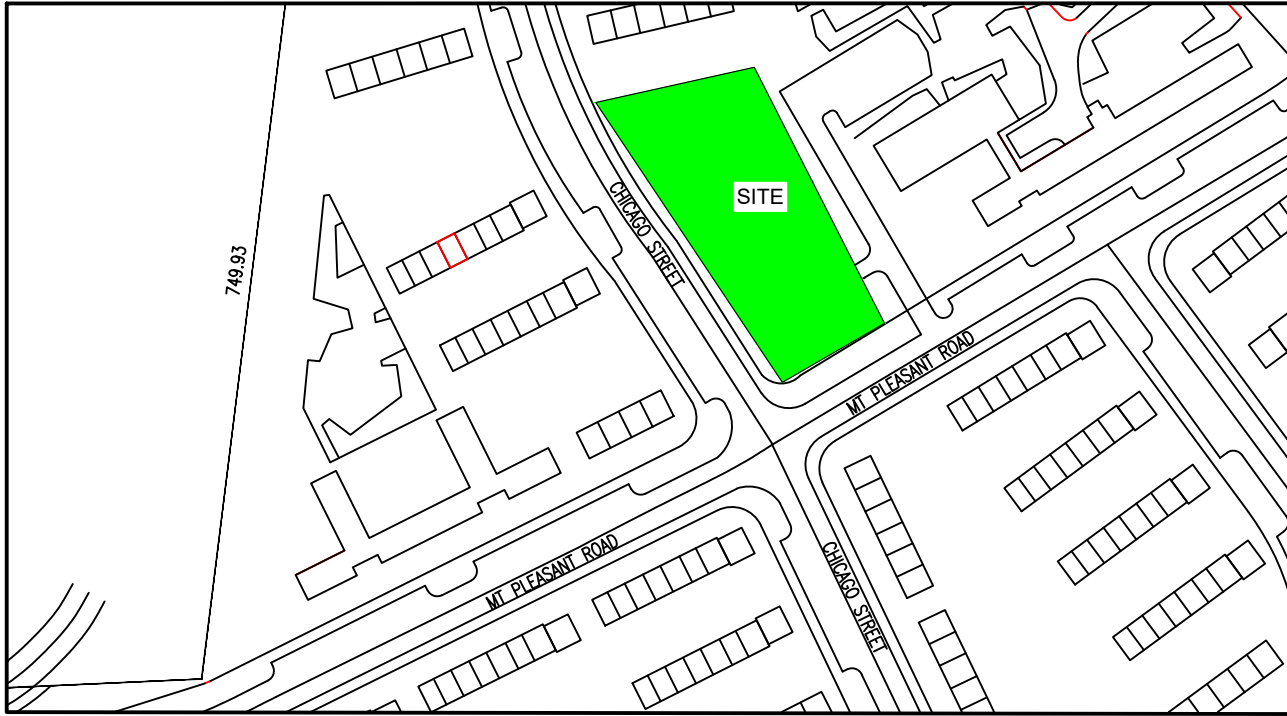
PATTON ENGINEER, LLC.
1300 VICTORIA AVENUE
Lower Burrel, PA 15068

SURVEYOR

HAMPTON TECHNICAL ASSOCIATES
Suite 201 Etna Technical Center
35 Wilson Street
Pittsburgh, PA 15223

PLUMBING ENGINEER

TOWER ENGINEERING, INC.
115 Evergreen Heights Drive, Suite 400,
Pittsburgh, PA 15229-1346



Street Map

NTS:

DRAWING LIST:

Architectural

CS	Cover Sheet
A0.0	Accessible Signage Details
A0.1	Accessible Plan & Details
A0.2	Accessible Details & Elevations
A0.3	Accessible Details & Elevations
A0.4	Accessible Details & Elevations
A0.5	Accessible Elevated Plan
A1.1	Foundation and Restroom Building Plans
A1.2	Restroom Building Roof Plan and Reflected Ceiling Plan
A1.3	Exterior Elevation
A1.4	Slab Sections
A1.5	Wall Sections
A1.6	Interior Restroom Elevations
A1.7	Door, Window and Finish Schedule

Civil Survey

VF101	Existing Conditions Plan
-------	--------------------------

Landscaping

I101	Irrigation Plan
I501	Irrigation Details
L101	Existing Condition Plan
L102	Demolition Plan
L103	Site Plan
L103.1	ADA Accessibility Plan
L103.2	Accessible Playground, Details & Elevations
L103.3	Accessible Playground, Details & Elevations
L103.4	Accessible Playground, Details & Elevations
L103.5	Accessible Playground, Details & Elevations
L103.6	Accessible Playground, Details & Elevations
L103.7	Accessible Playground, Details & Elevations
L103.8	Accessible Elevated Plan
L105	Grading plan
L106	Landscape Plan
L501	Site Details
L502	Site Details
L503	Landscape Details

Site Civil Engineering Plans

C000	Cover Sheet
C001	General Notes and Ledgend
C101	Existing Conditions
C102	Demolition Plan
C201	Site Plan
C300	Existing Site Plan
C301	Rough Grading Plan
C302	Final Grading Plan
C303	Geotechnical Notes & Details
C304	Utility Plan
C305	Foundation Plan
C306	Slab Plan
C307	Foundation Details
C308	Miscellaneous Details
C309	Water Equipment Manifold & Piping Layout
C310	Enlarged Water Equipment
C401	Stormwater Management, Utility, Drainage Plan
C501	Construction Details
C502	Stormwater Management, Construction Details
C503	Not Used Construction Details
C504	Not Used Construction Details
C505	Not Used Construction Details
C506	Not Used Construction Details
C601	Erosion and Sediment Plan
C602	Erosion & Sediment Control detail
C603	Erosion & Sediment Control detail
PCSM-1	Post Construction Stormwater Management Details
PCSM-2	Post Construction Stormwater Management Details

Structural

S1.0	Restroom General Notes
S1.1	Restroom Foundation Slab Plan
S1.2	Restroom Roof Framing Plan

HVAC

H0.0	H.V.A.C. Symbols & Abbreviations
H1.0	H.V.A.C. Ceiling Duct Exhaust Plan
H2.0	H.V.A.C. Details & Schedule

Electrical

SE1.0	Service Electrical Plan
E1.0	Electrical Ledgend and Details
E1.1	Electrical Floor Plan
E1.2	Electrical Lighting Schedule

Plumbing

P0.0	Plumbing Details & Schedules
P1.1	Plumbing Floor Plan & Schematic Diagrams



DRAWINGS & SPECIFICATIONS AS INSTRUMENTS OF SERVICE. ANY AND ALL DIMENSIONS SHOWN ON THESE DRAWINGS ARE NOT TO BE USED ON EXTENSIONS OF THE PROJECT OR OTHER PROJECTS EXCEPT BY AGREEMENT IN WRITING WITH APPROPRIATE PROFESSIONAL ENGINEER. TUSICK & ASSOCIATES ARCHITECTS, INC. IS NOT RESPONSIBLE FOR CONFORMING AND CORRELATING DIMENSIONS AT CONSTRUCTION MEANS. METHODS, TECHNIQUES, SEQUENCES, OR CONSTRUCTION MEANS ARE THE RESPONSIBILITY OF THE CONTRACTOR 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

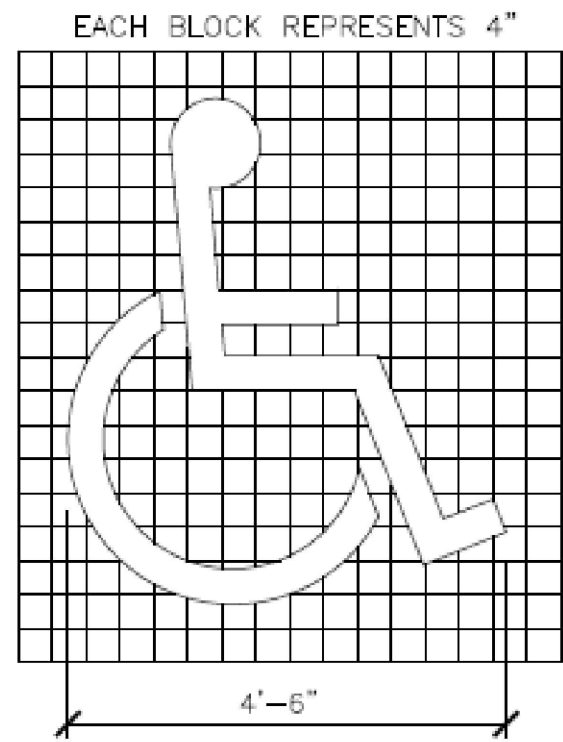
DRAWN BY	CHECKED BY	DATE ISSUED	DATE PRINTED
JGK	SBT	07/31/26	07/31/26

COVER SHEET

HACP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214

SHEET NUMBER:

CS



Handicap Symbol Paint Marking

SCALE: NTS

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 $\pm$ 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.

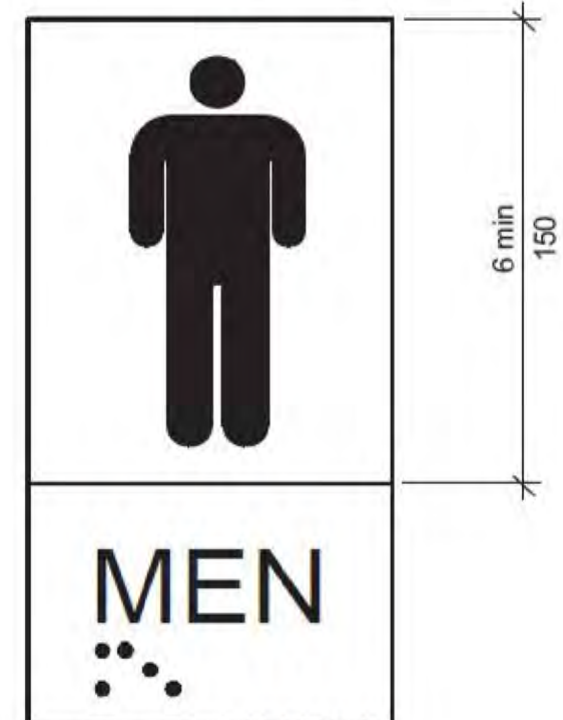


FIGURE 703.5
PICTOGRAM FIELD

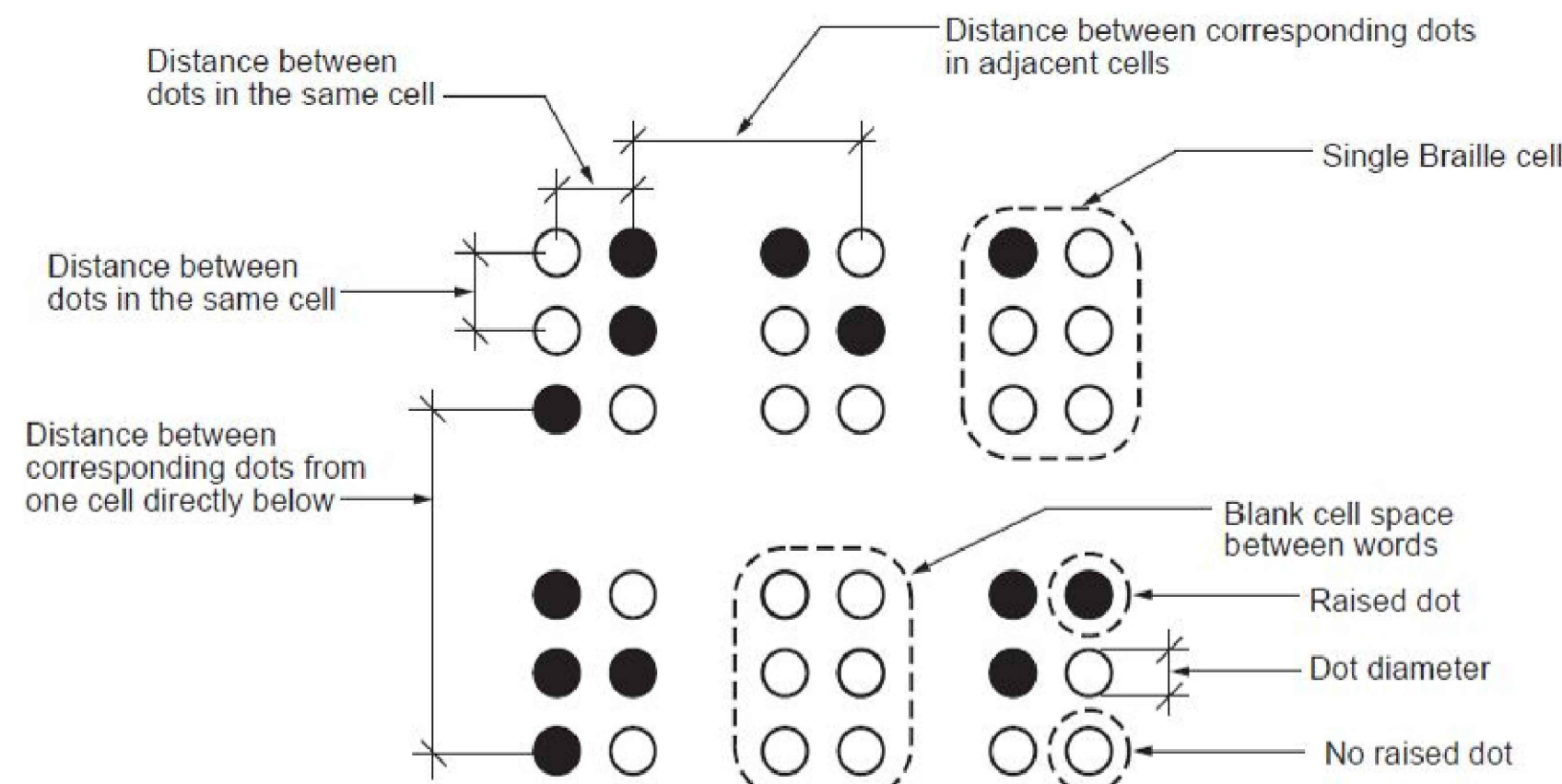
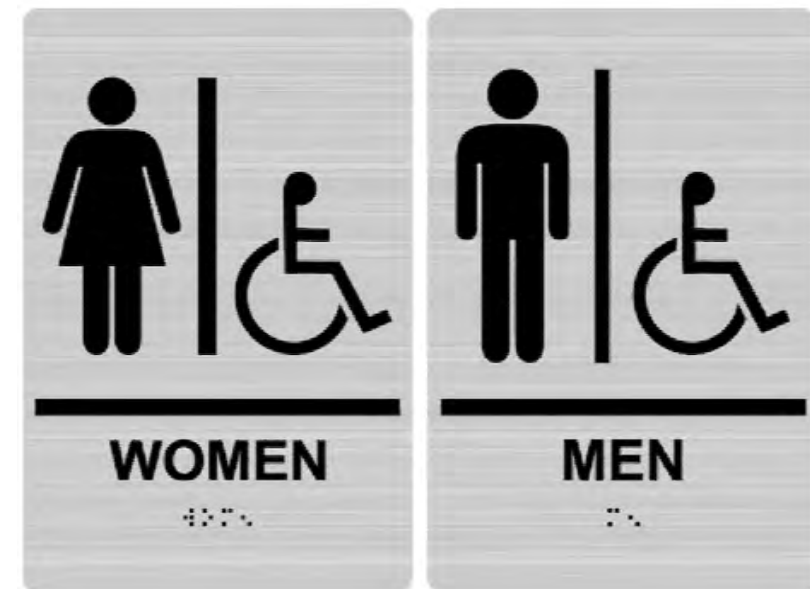


FIGURE 703.4.3
BRAILLE MEASUREMENT

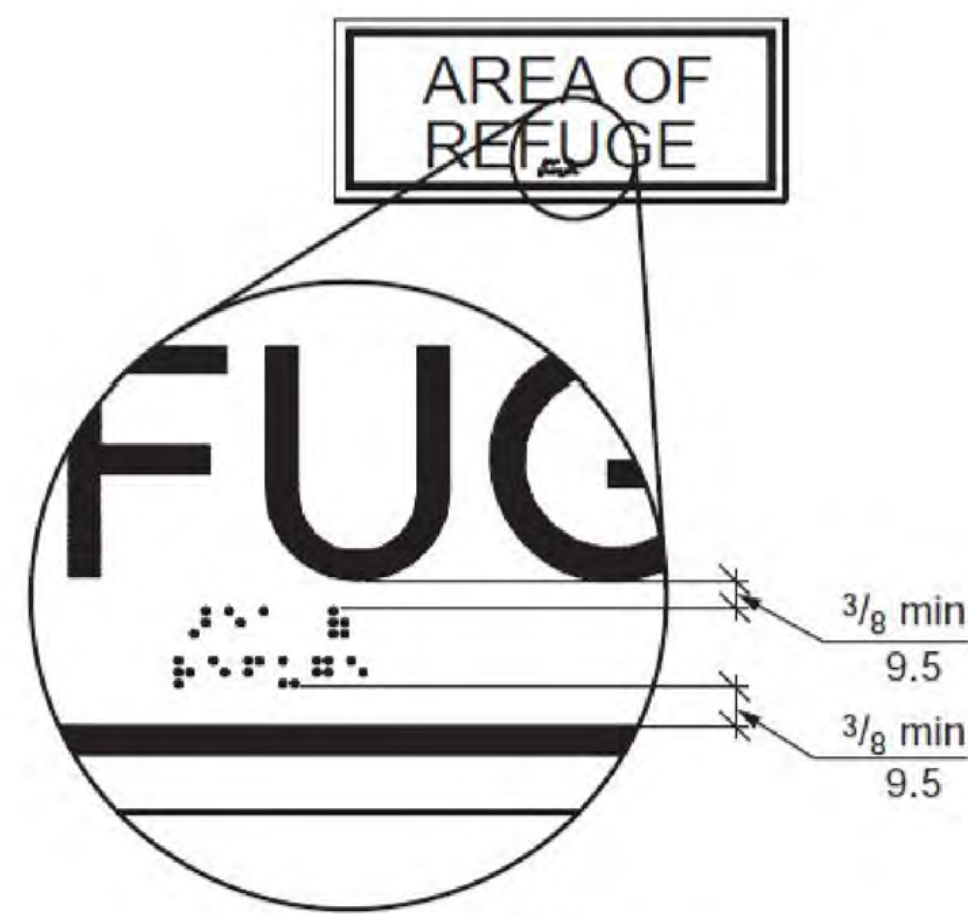
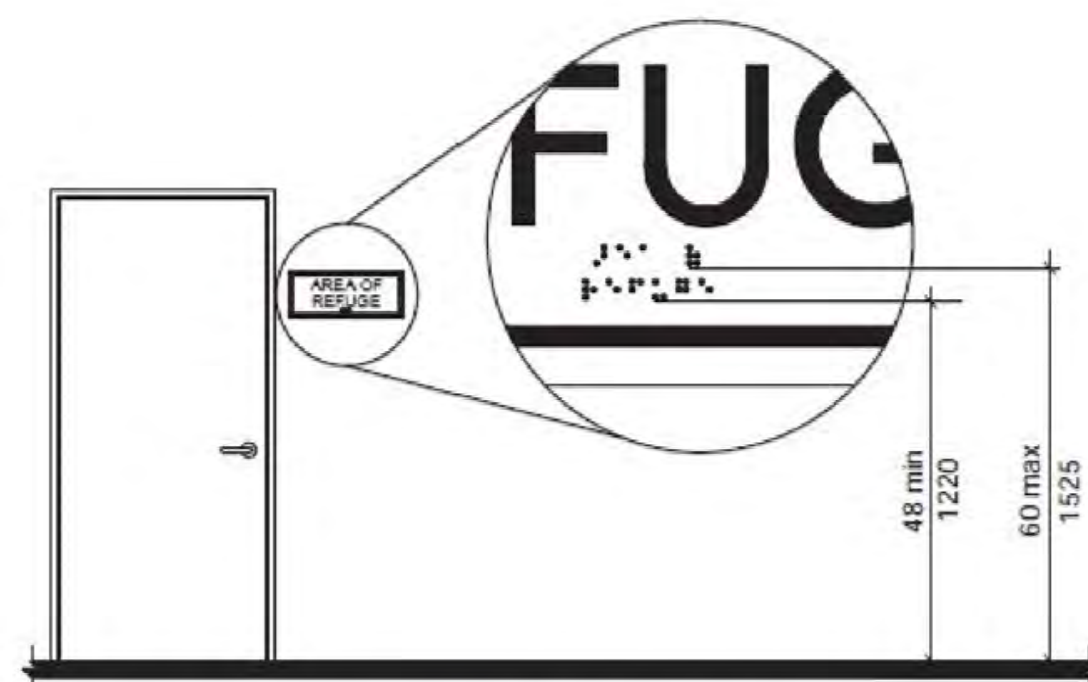


FIGURE 703.4.4
POSITION OF BRAILLE

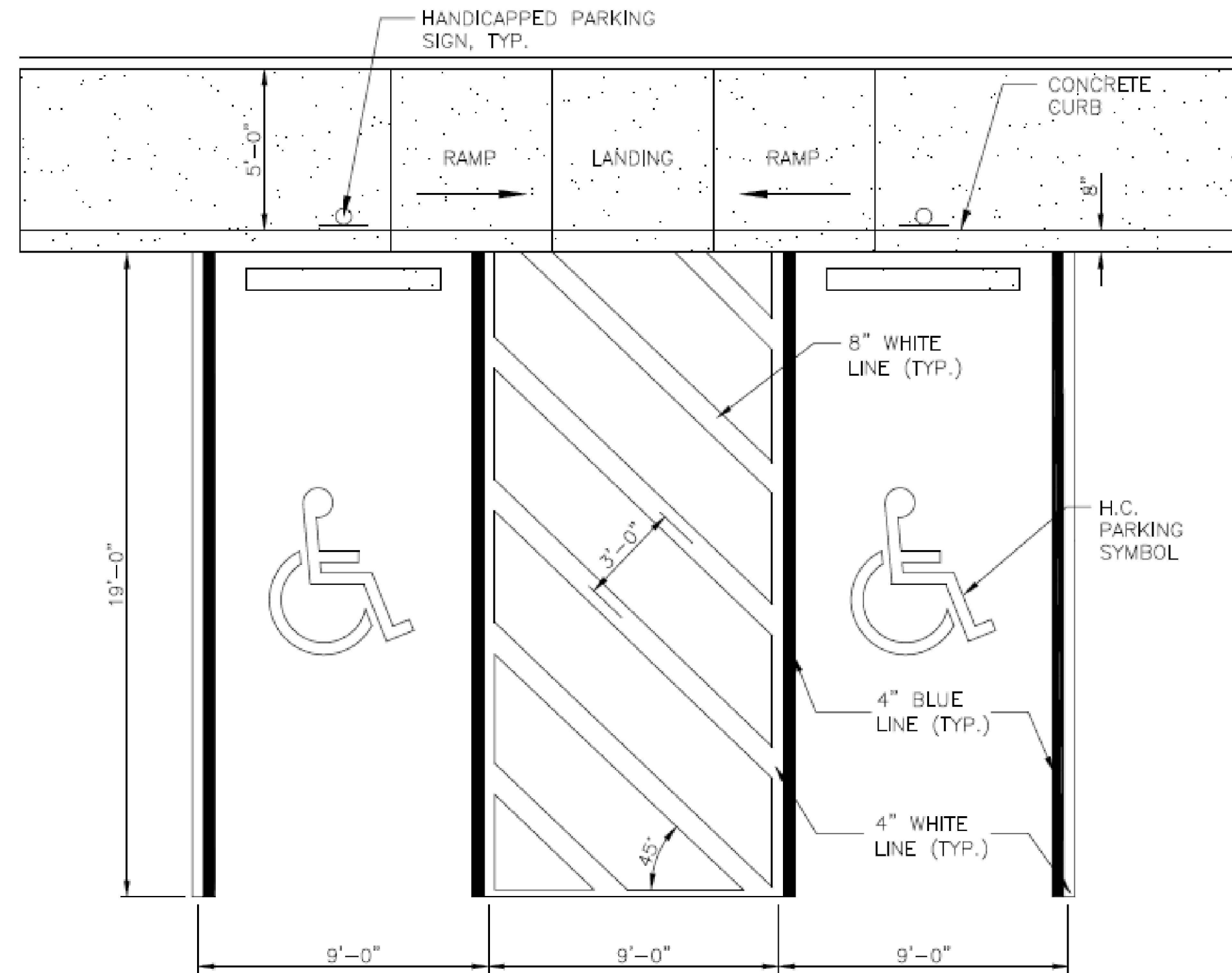


Note: For raised character mounting height see Section 703.3.10

FIGURE 703.4.5
HEIGHT OF BRAILLE CHARACTERS ABOVE FLOOR

Communication Elements and Features

SCALE: NTS

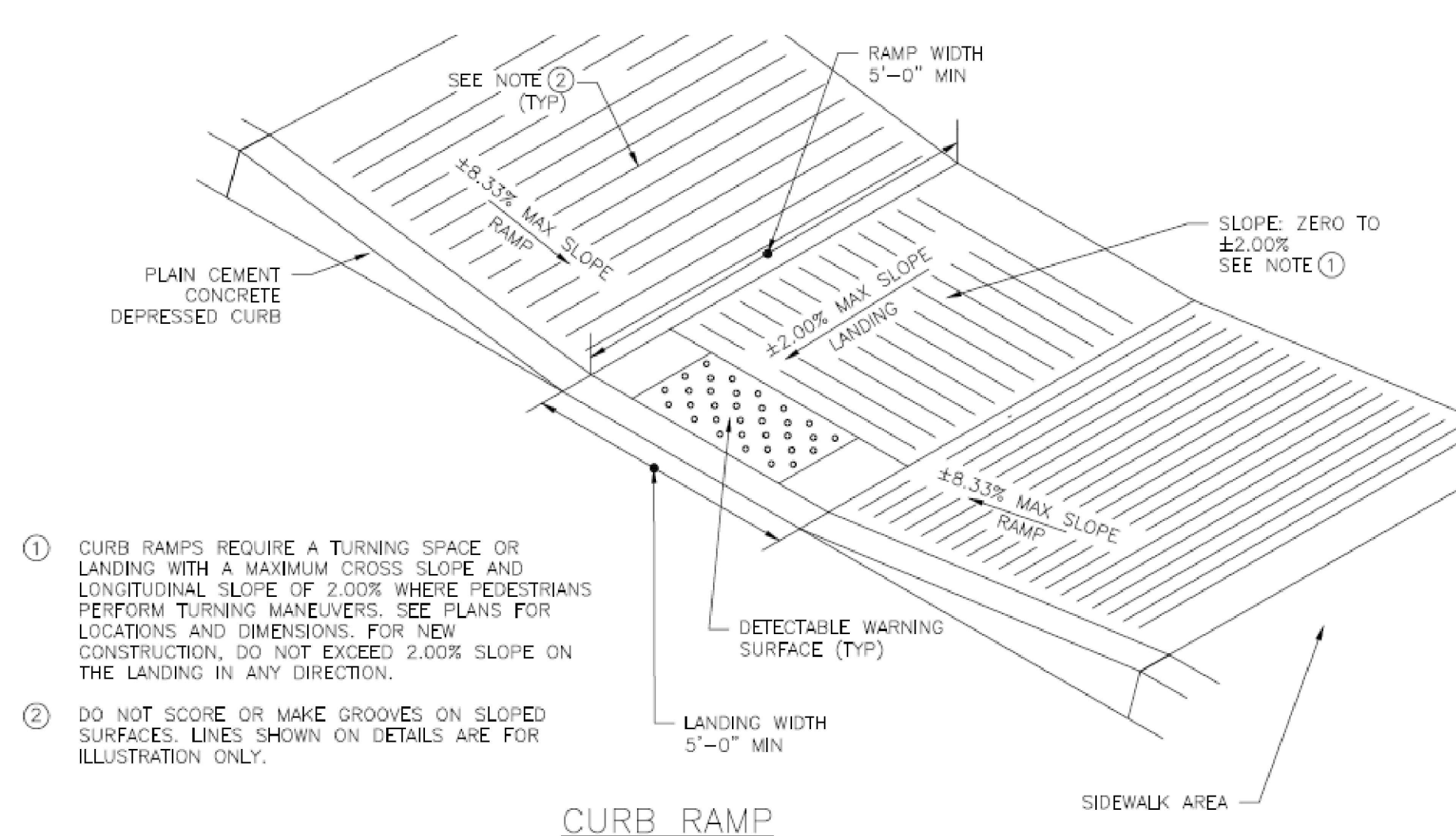


NOTES:

1. PROVIDE TYPE 1 – CONVENTIONAL TRAFFIC PAINT (COLOR – WHITE) AND DISPENSE IN A WET FILM THICKNESS OF 15 MILS $\pm$ 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



- ① CURB RAMP REQUIRE A TURNING SPACE OR LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SEE PLANS FOR LOCATIONS AND DIMENSIONS. FOR NEW CONSTRUCTION, DO NOT EXCEED 2.00% SLOPE ON THE LANDING IN ANY DIRECTION.
- ② DO NOT SCORE OR MAKE GROOVES ON SLOPED SURFACES. LINES SHOWN ON DETAILS ARE FOR ILLUSTRATION ONLY.

CURB_RAMP

Curb Ramp

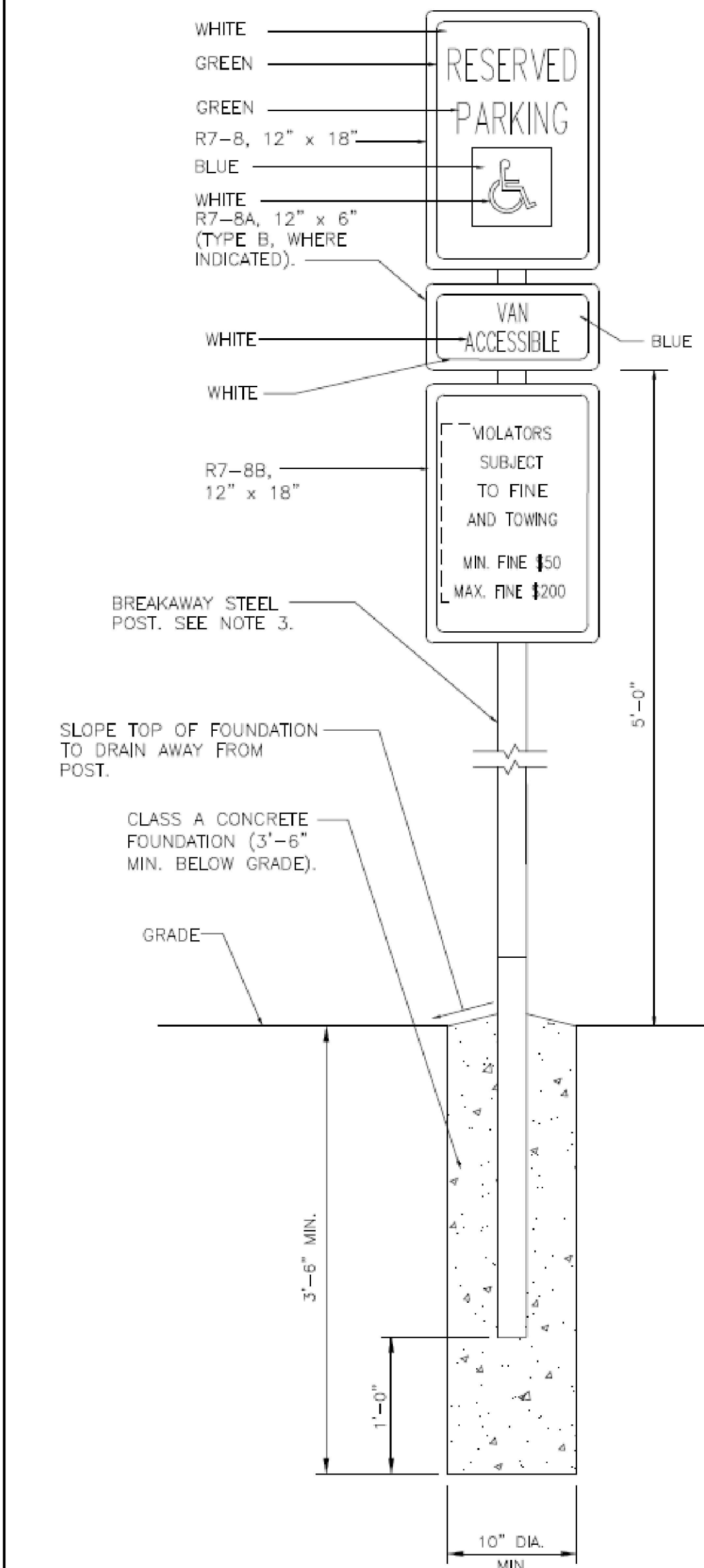
SCALE: NTS

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. ANY AND ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PROJECT MANUAL AND ANY ADDENDUMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR OBTAINING ALL NECESSARY CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR CONSTRUCTION FOR THE PROJECT 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
JAG

CHECKED BY
SBT

DATE ISSUED
04/23/24

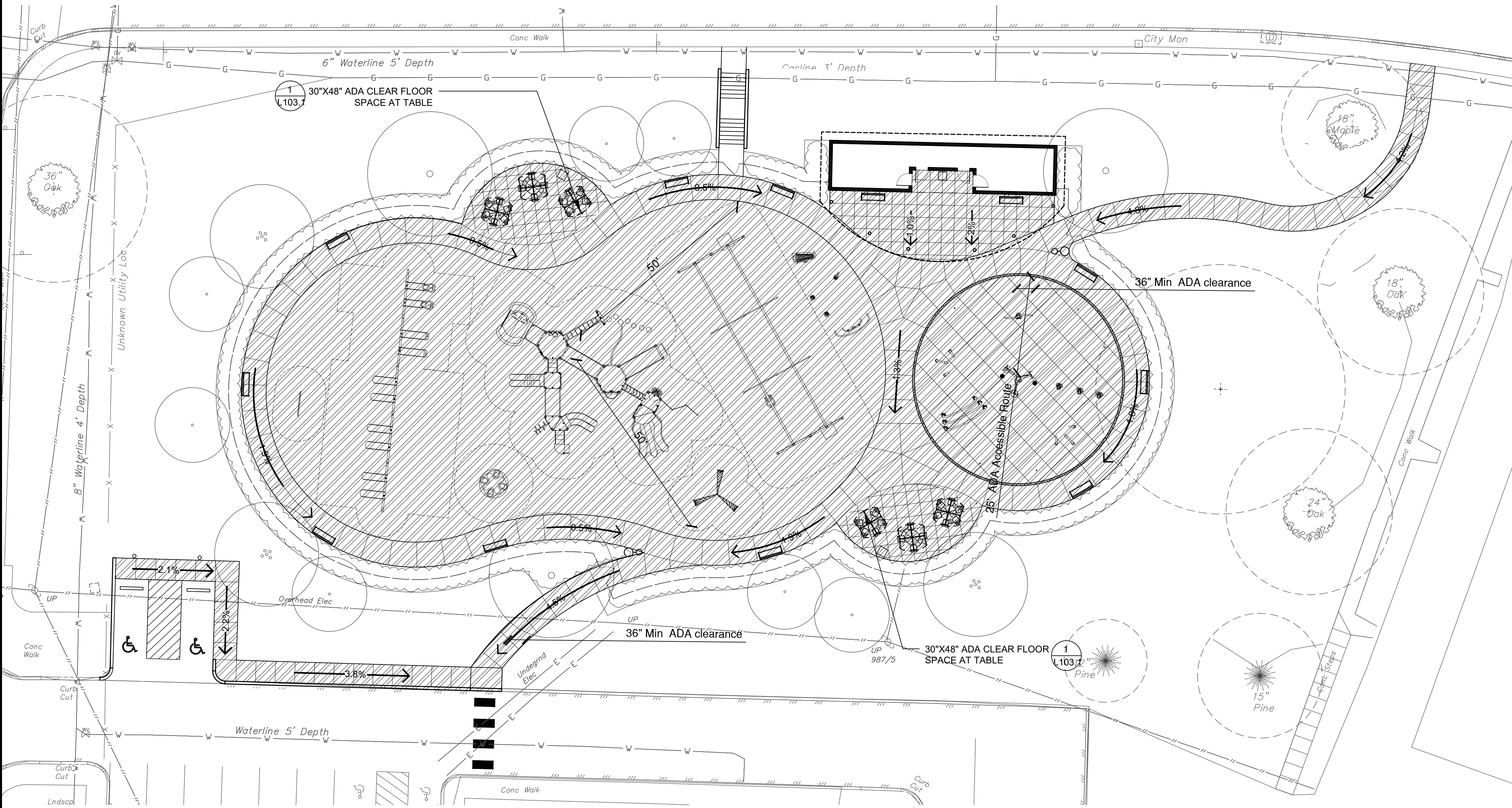
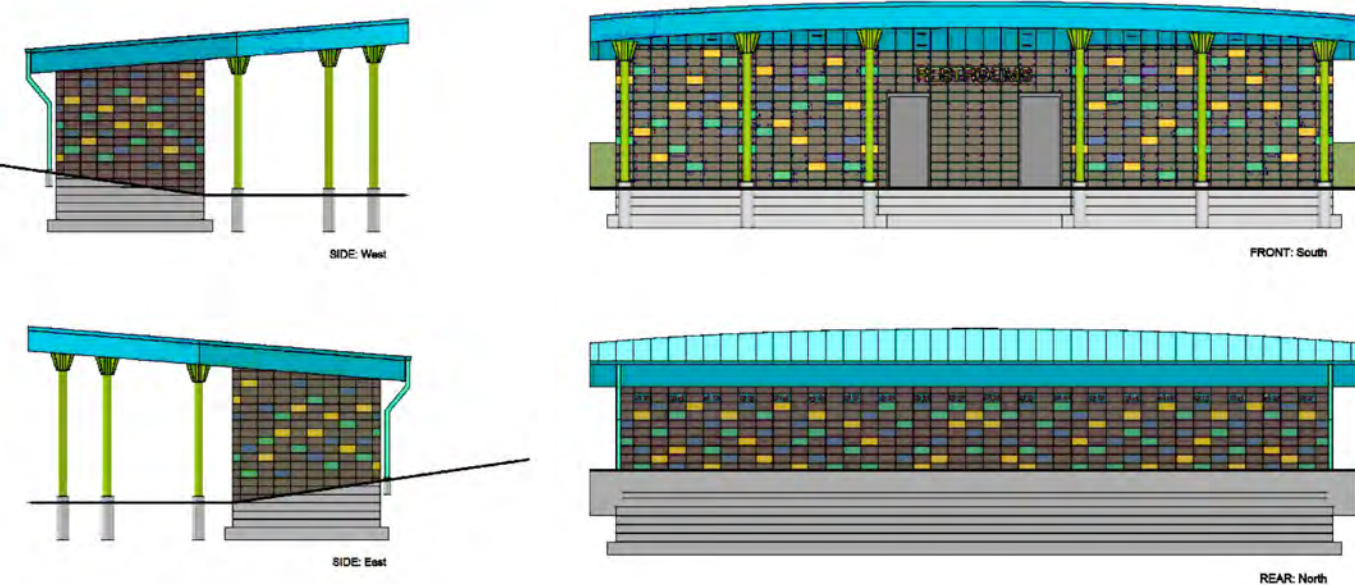
DATE PRINTED
04/23/24

Accessible Signage Details

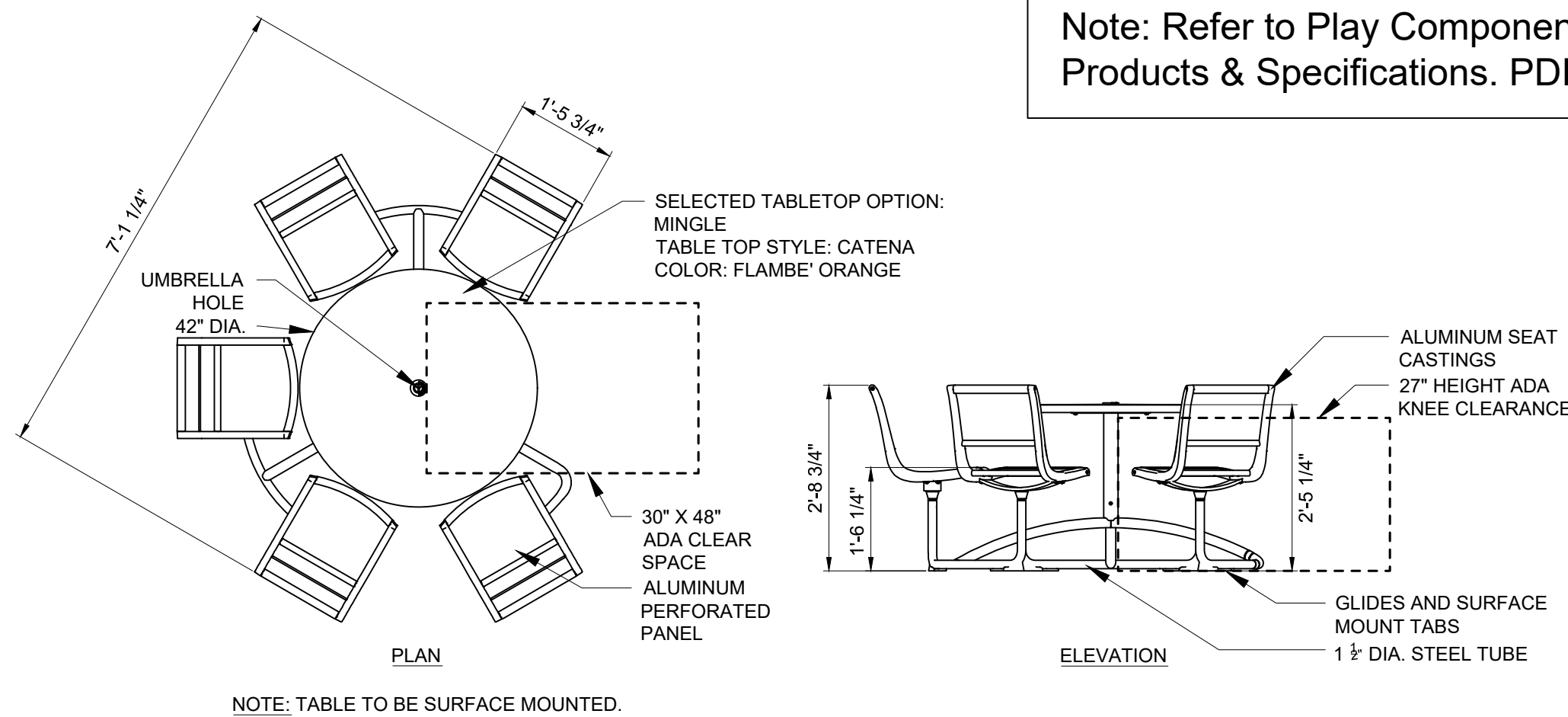
HACP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214

SHEET NUMBER:

A0.0



1
A0.1
ADA Accessibility Plan
SCALE: 1/16" = 1'-0"



2
A0.1
ADA Accessibility Plan
SCALE: 1/2" = 1'-0"

LEGEND

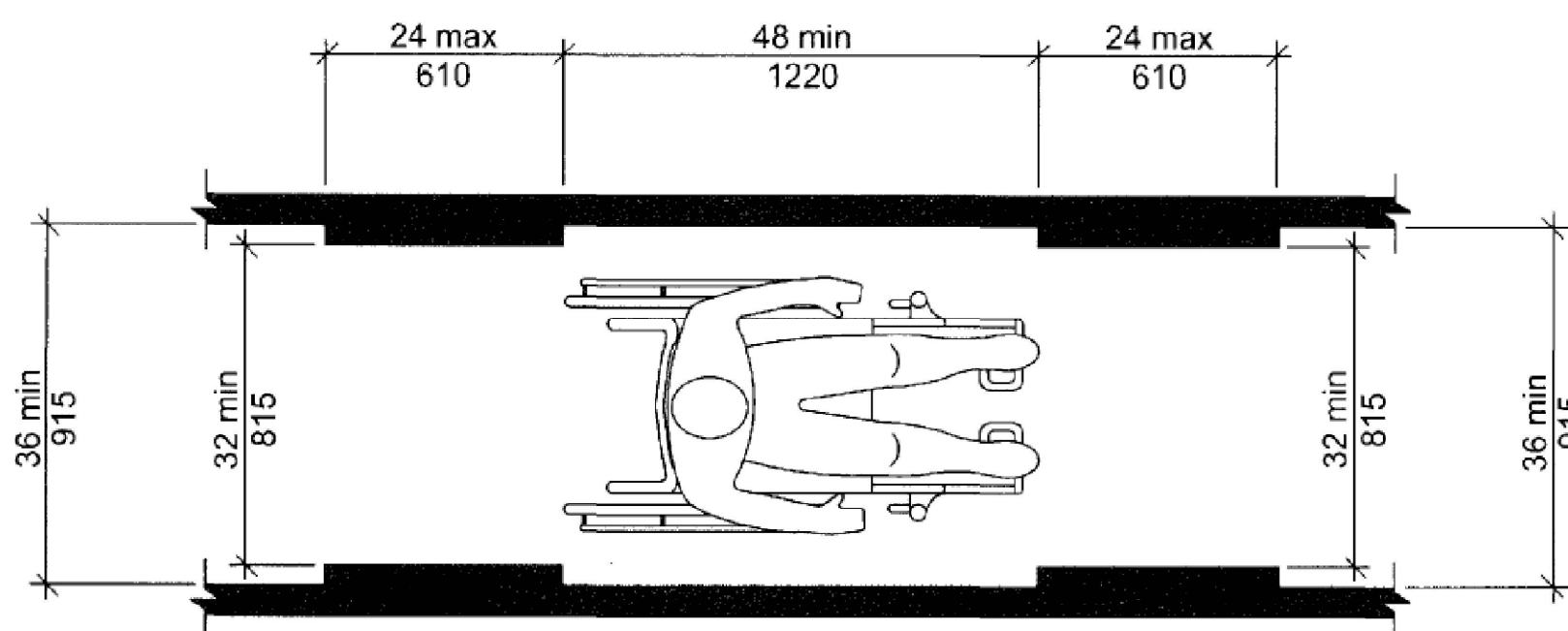
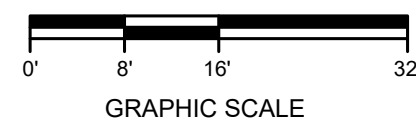
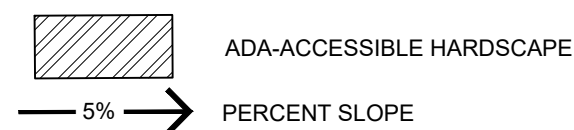


FIG. 403.5
CLEAR WIDTH OF AN ACCESSIBLE ROUTE

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.

306.2 Toe Clearance.

306.2.1 General. Space beneath an element between the floor and 9 inches (230 mm) above the floor shall be considered toe clearance and shall comply with Section 306.2.

306.2.2 Maximum Depth. Toe clearance shall be permitted to extend 25 inches (635 mm) maximum under an element.

306.2.3 Minimum Depth. Where toe clearance is required at an element as part of a clear floor space complying with Section 305, the toe clearance shall extend 17 inches (430 mm) minimum beneath the element.

306.2.4 Additional Clearance. Space extending greater than 6 inches (150 mm) beyond the available knee clearance at 9 inches (230 mm) above the floor shall not be considered toe clearance.

306.2.5 Width. Toe clearance shall be 30 inches (760 mm) minimum in width.

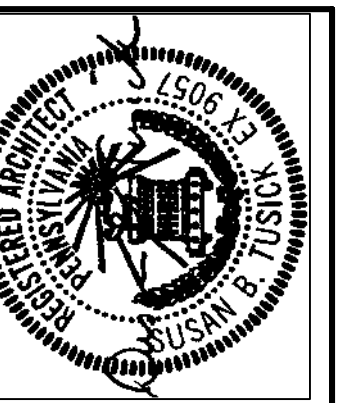
306.3 Knee Clearance.

306.3.1 General. Space beneath an element between 9 inches (230 mm) and 27 inches (685 mm) above the floor shall be considered knee clearance and shall comply with Section 306.3.

306.3.2 Maximum Depth. Knee clearance shall be permitted to extend 25 inches (635 mm) maximum under an element at 9 inches (230 mm) above the floor.

306.3.3 Minimum Depth. Where knee clearance is required beneath an element as part of a clear floor space complying with Section 305, the knee clearance shall be 11 inches (280 mm) minimum in depth at 9 inches (230 mm) above the floor, and 8 inches (205 mm) minimum in depth at 27 inches (685 mm) above the floor.

306.3.4 Clearance Reduction. Between 9 inches (230 mm) and 27 inches (685 mm) above the floor, the knee clearance shall be permitted to be reduced at a rate of 1 inch (25 mm) in depth for each 6 inches (150 mm) in height.



DRAWINGS & SPECIFICATIONS AS INSTRUMENTS OF SERVICE ARE NOT TO BE USED FOR ANY OTHER PROJECTS WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT. THE ARCHITECT IS NOT RESPONSIBLE FOR CONFORMING TO OR CORRELATING DIMENSIONS AT CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR CONDITIONS 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

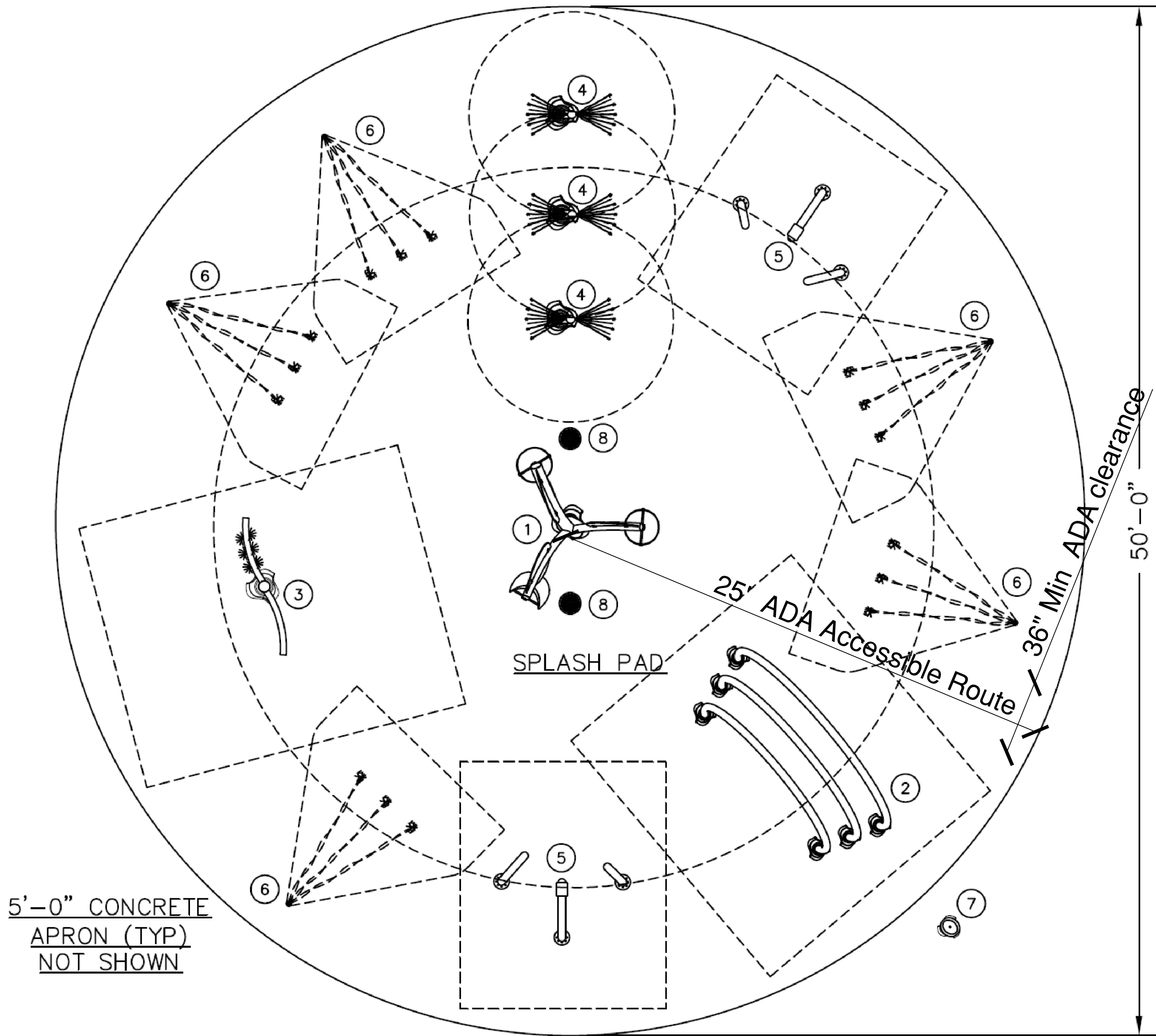
REVISIONS	
DRAWN BY	JAG
CHECKED BY	SBT
DATE ISSUED	04/23/24
DATE PRINTED	04/23/24

Accessible Plan & Details

HACP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214

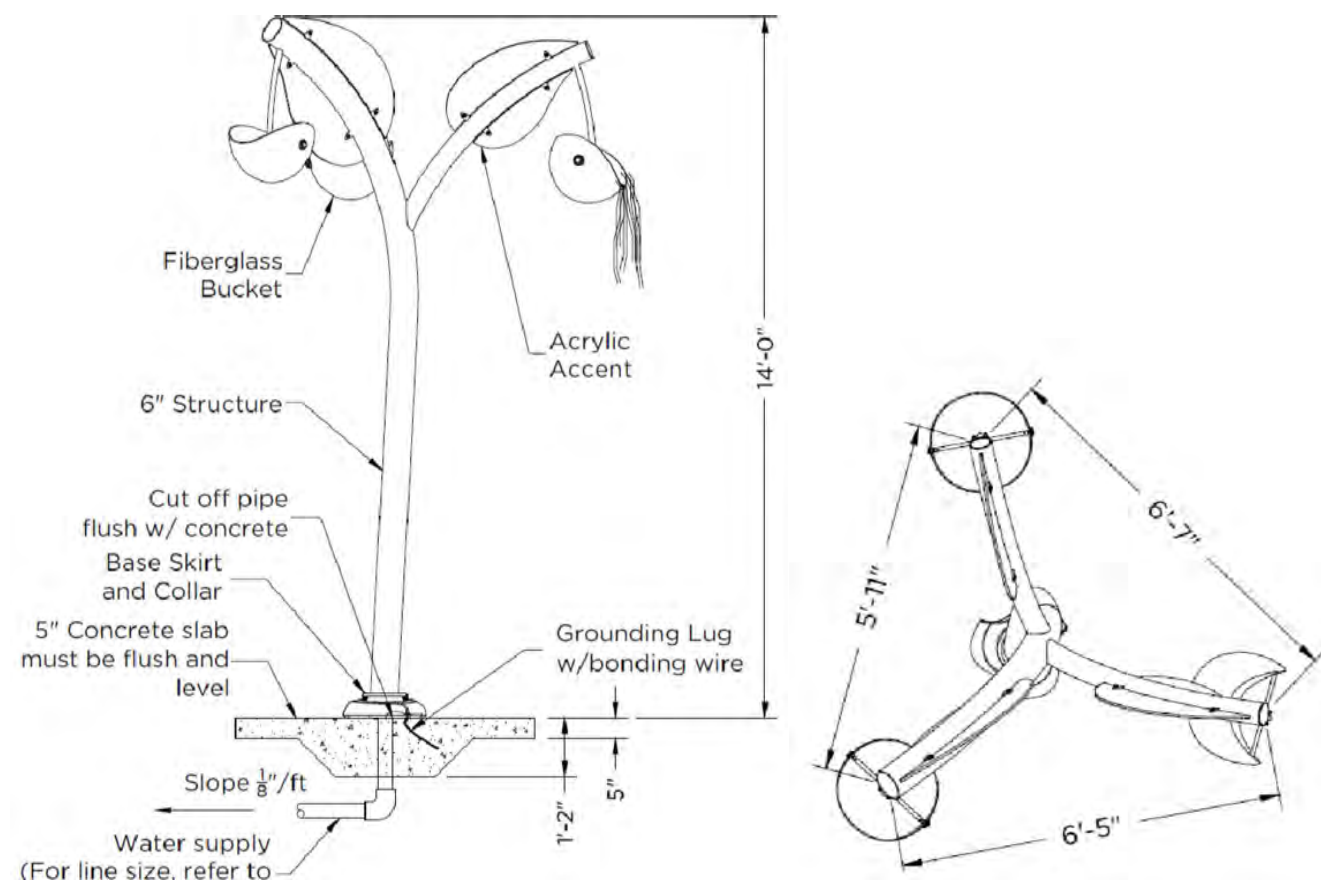
SHEET NUMBER:

A0.1



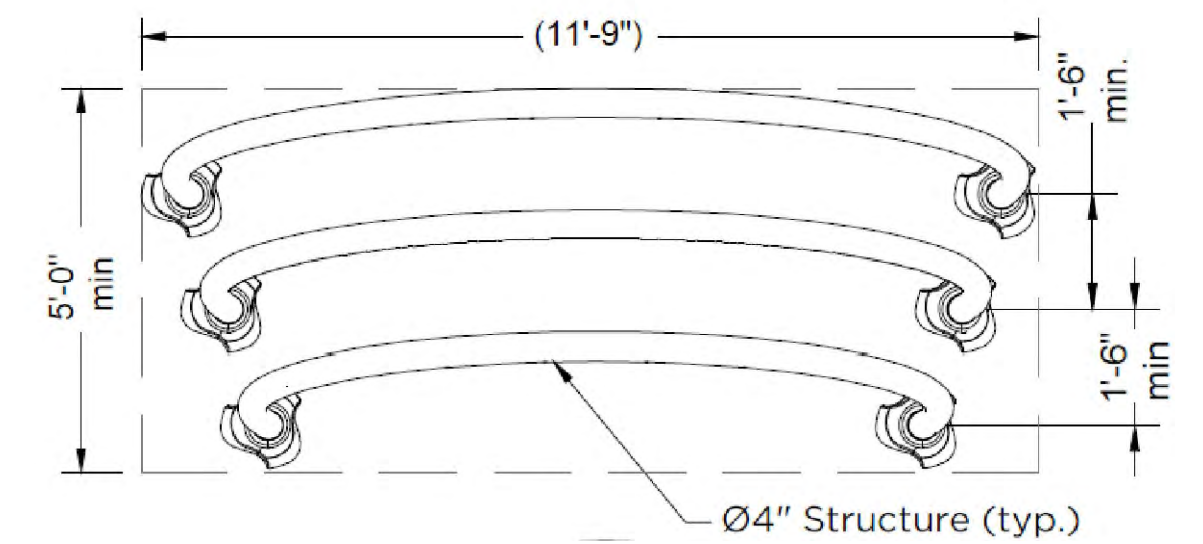
1
A0.2
SCALE: NTS

Splash Pad Area - Ground Mounted Plan



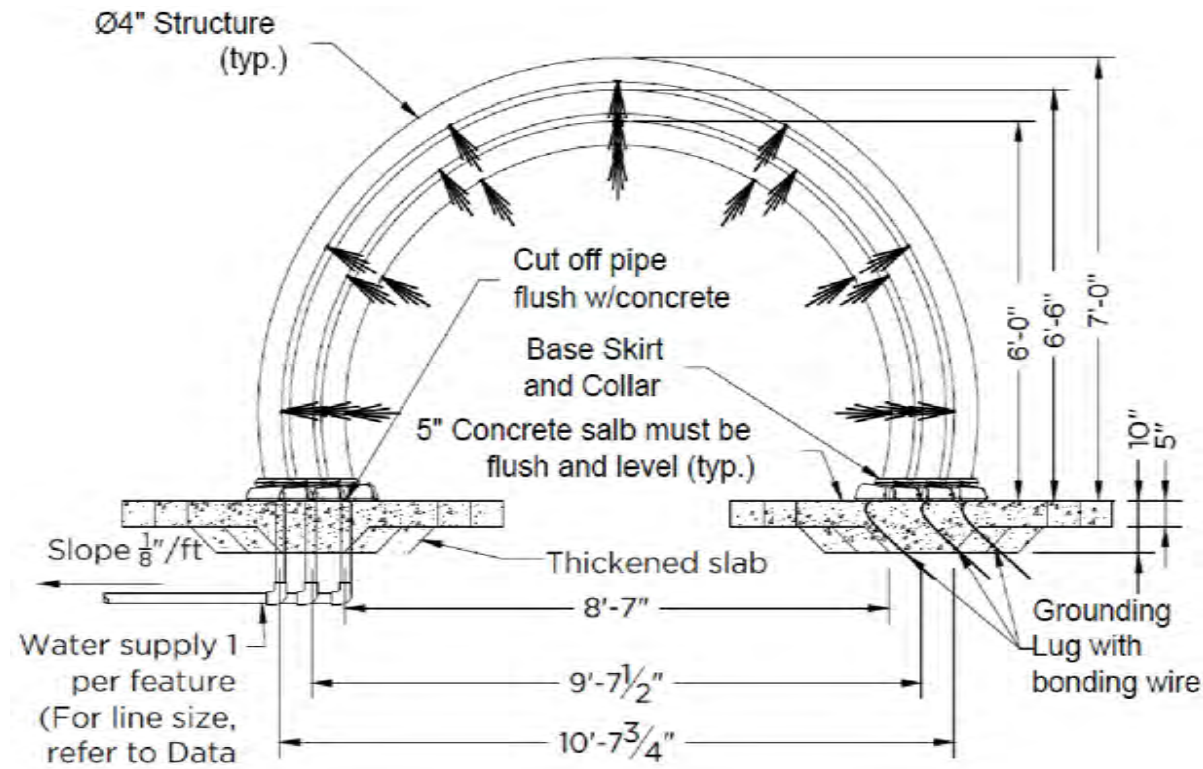
1
A0.2
SCALE: NTS

Bucket Trio with Acrylic Plan



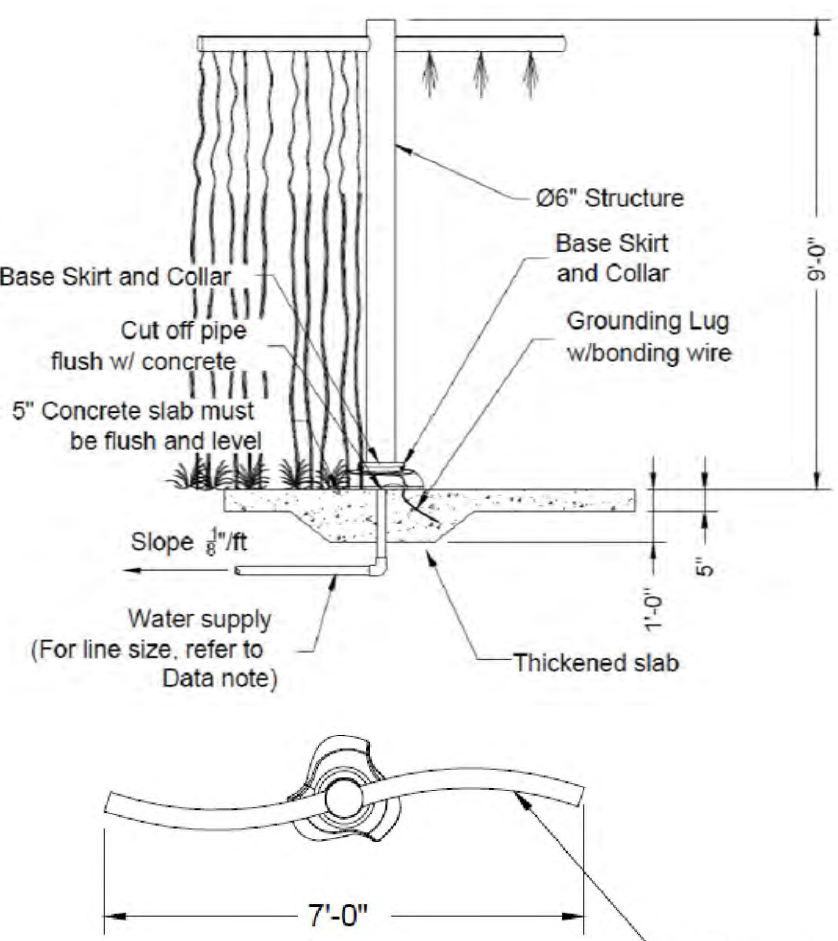
2
A0.2
SCALE: NTS

Ripplerun Plan



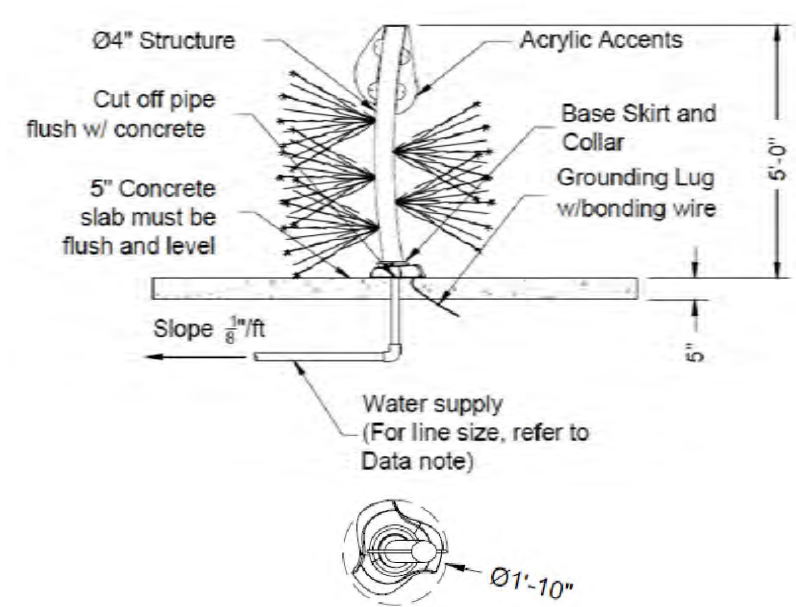
2
A0.2
SCALE: NTS

Ripplerun Plan



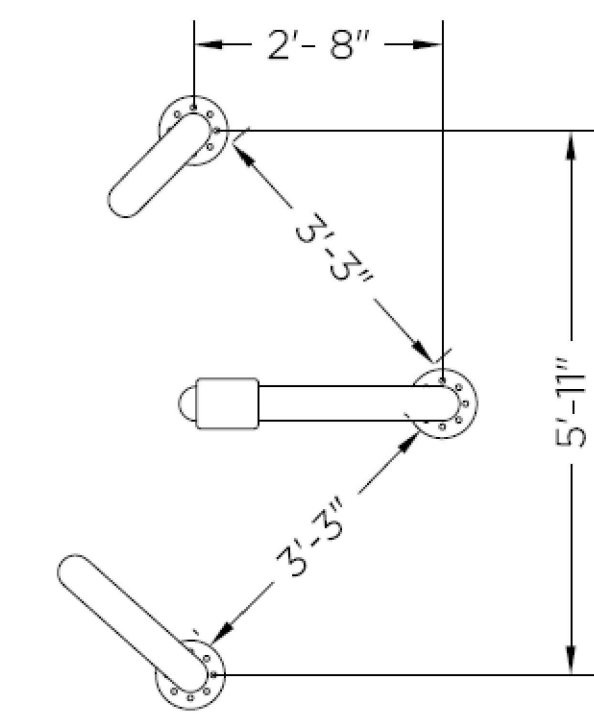
3
A0.2
SCALE: NTS

Uniflow Plan & Elevation



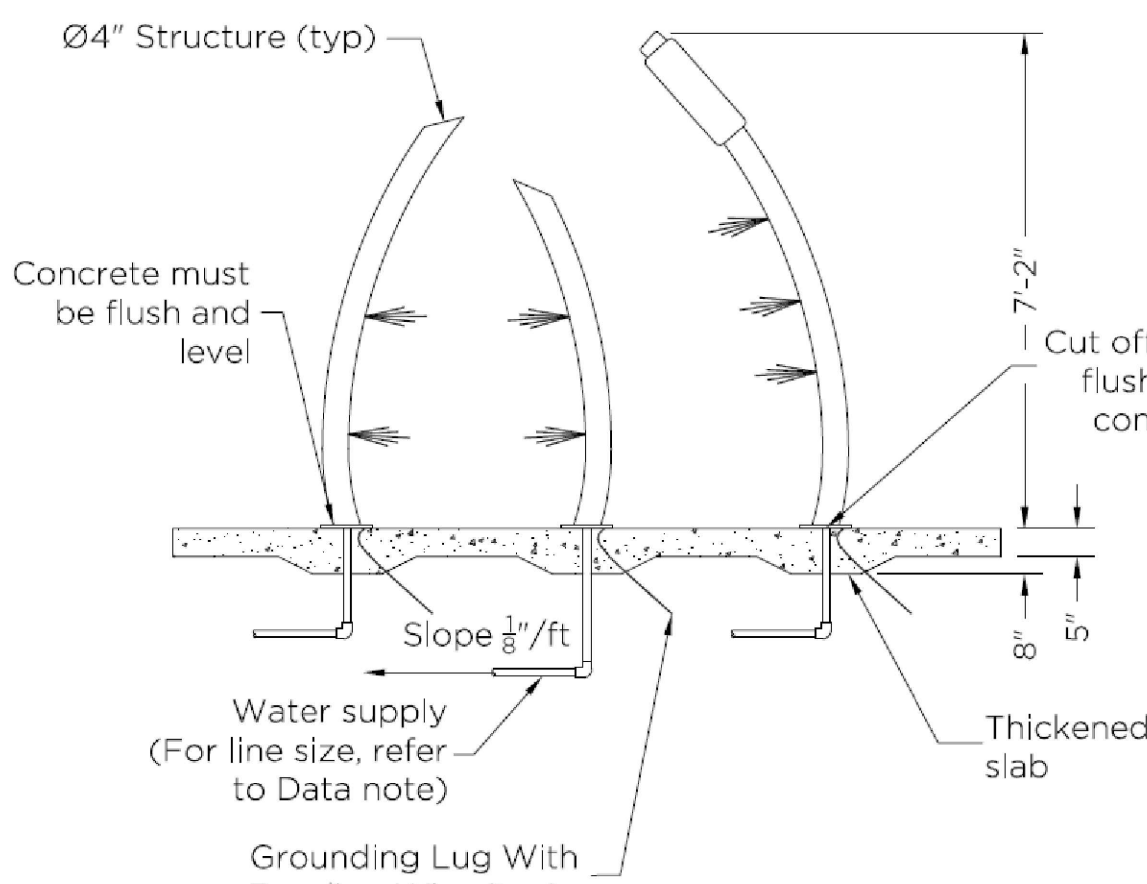
4
A0.2
SCALE: NTS

Vaporarc Acrylic Plan & Elev.



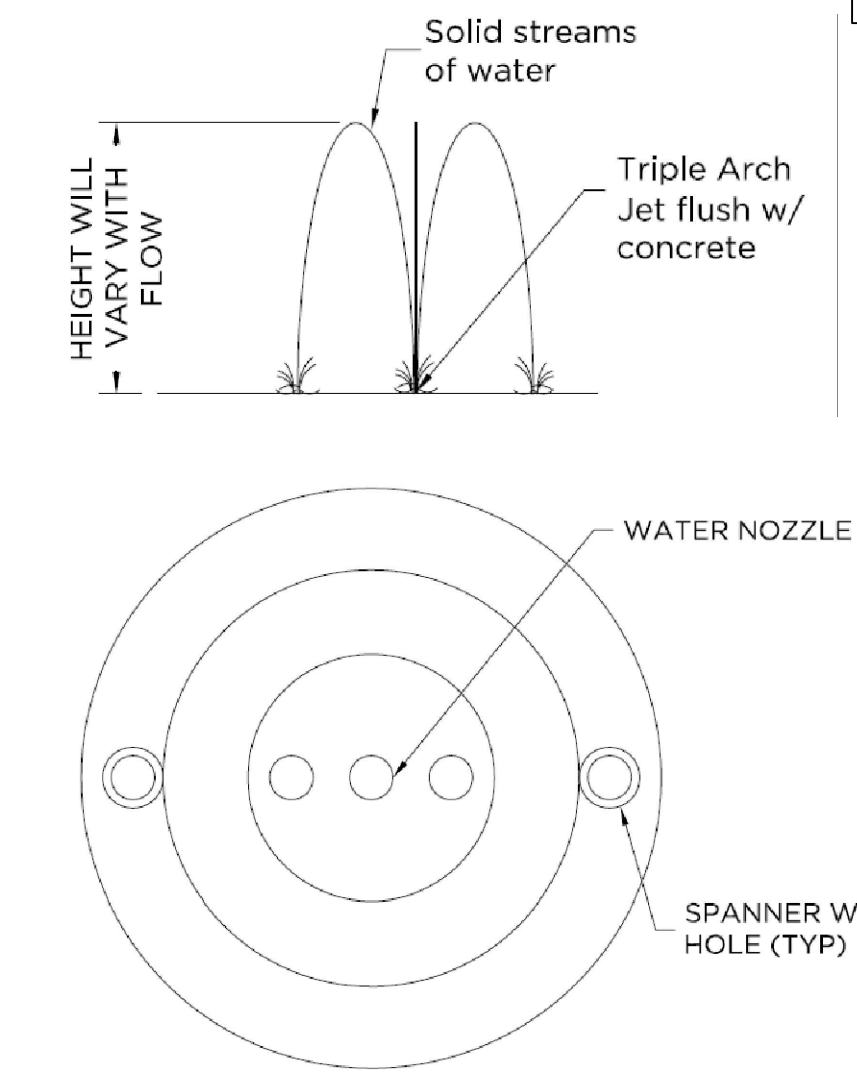
5
A0.2
SCALE: NTS

Reeds Top Plan



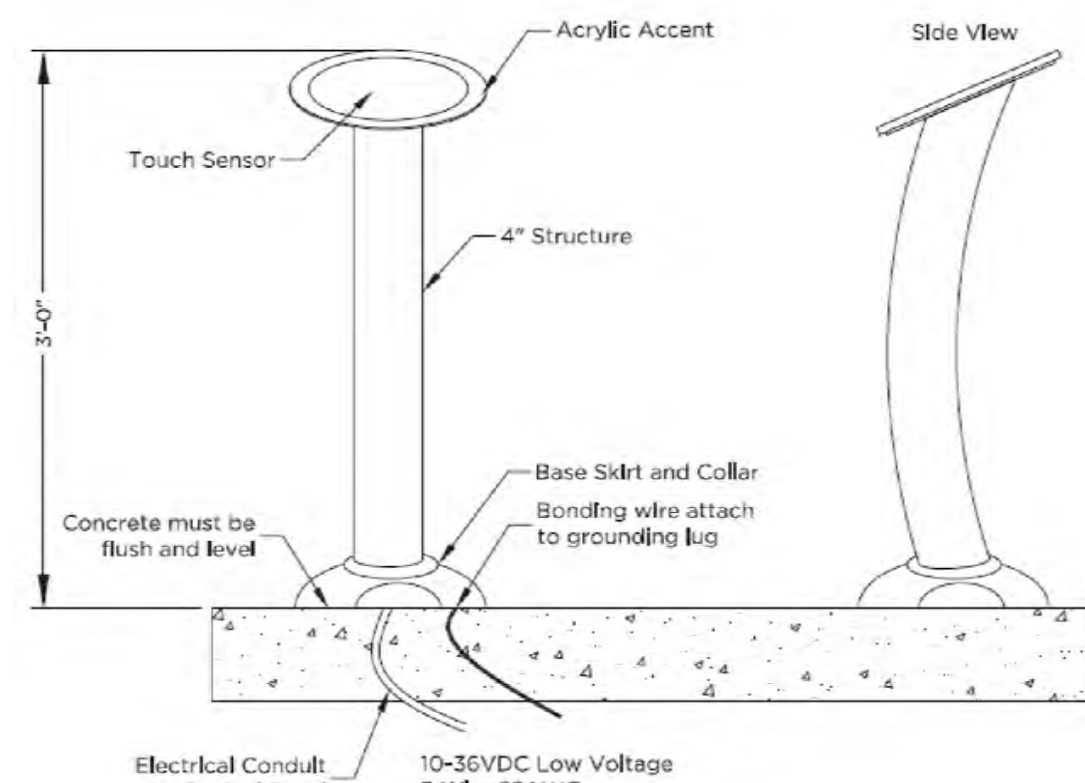
5
A0.2
SCALE: NTS

Reeds Elevation



6
A0.2
SCALE: NTS

Triple Arch Jet Nozzle Top Plan & Elev.



7
A0.2
SCALE: NTS

Aquavator Elevation

This sheet is information supplied by the equipment manufacturer intended to provide general use information. This sheet is not construction information. The equipment use is represented as intended for safe recreation use. provide and install the products as they are located and dimensioned in the sheets provided as construction drawings,

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	Project Details
Paint Colors 	Dimensions 50'-0" Diameter
Acrylic Colors 	Total System Flow Rate 100 GPM

Note: Refer to Play Components - Equipment Manufacturing Products & Specifications. PDF



DRAWINGS & SPECIFICATIONS AS INSTRUMENTS OF SERVICE ARE NOT TO BE USED FOR ANY OTHER PROJECT OR OTHER PROJECTS EXCEPT BY AGREEMENT IN WRITING WITH APPROPRIATE AUTHORITY. THE USER OF THESE DRAWINGS SHALL BE RESPONSIBLE FOR CONFIRMING AND CORRELATING DIMENSIONS AT CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR CONSTRUCTION FOR THE PROJECT PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE PROJECT.

© Tusick & Associates Architects, Inc.

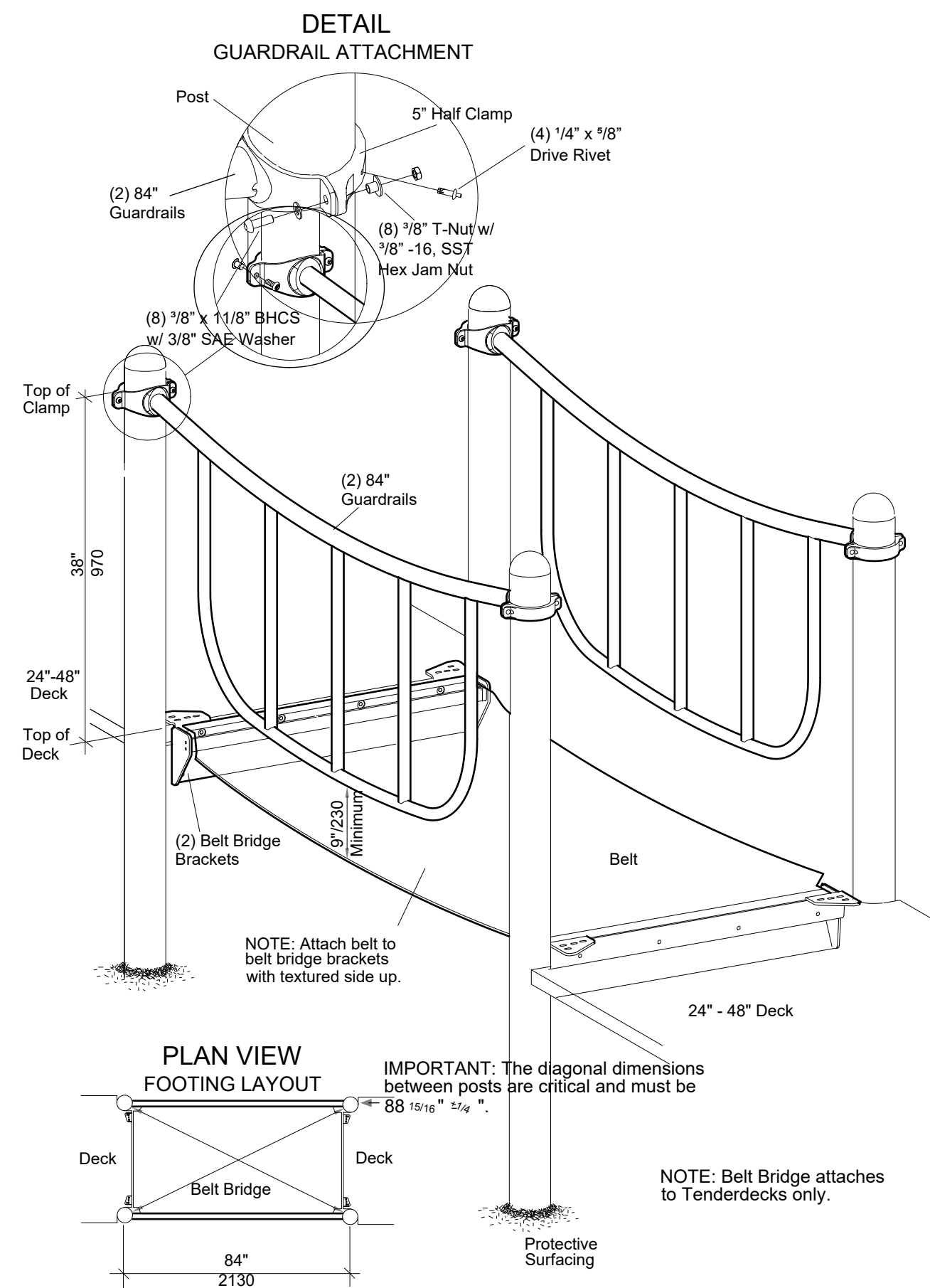
TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS	
DATE	DESCRIPTION
04/23/24	DATE ISSUED
04/23/24	DATE PRINTED

Accessible Splash Pad, Details & Elevations
HAOP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214

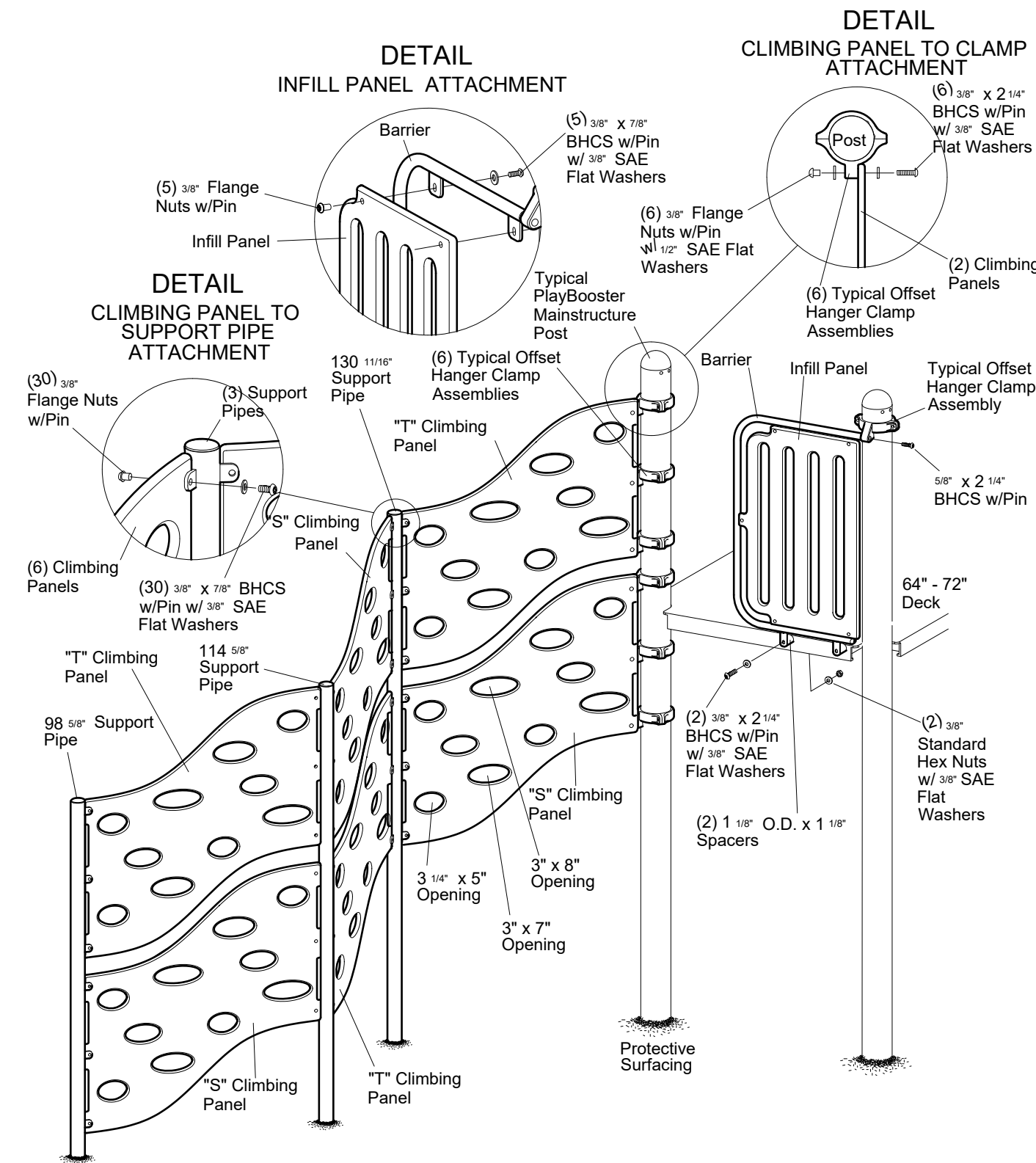
SHEET NUMBER:

A0.2

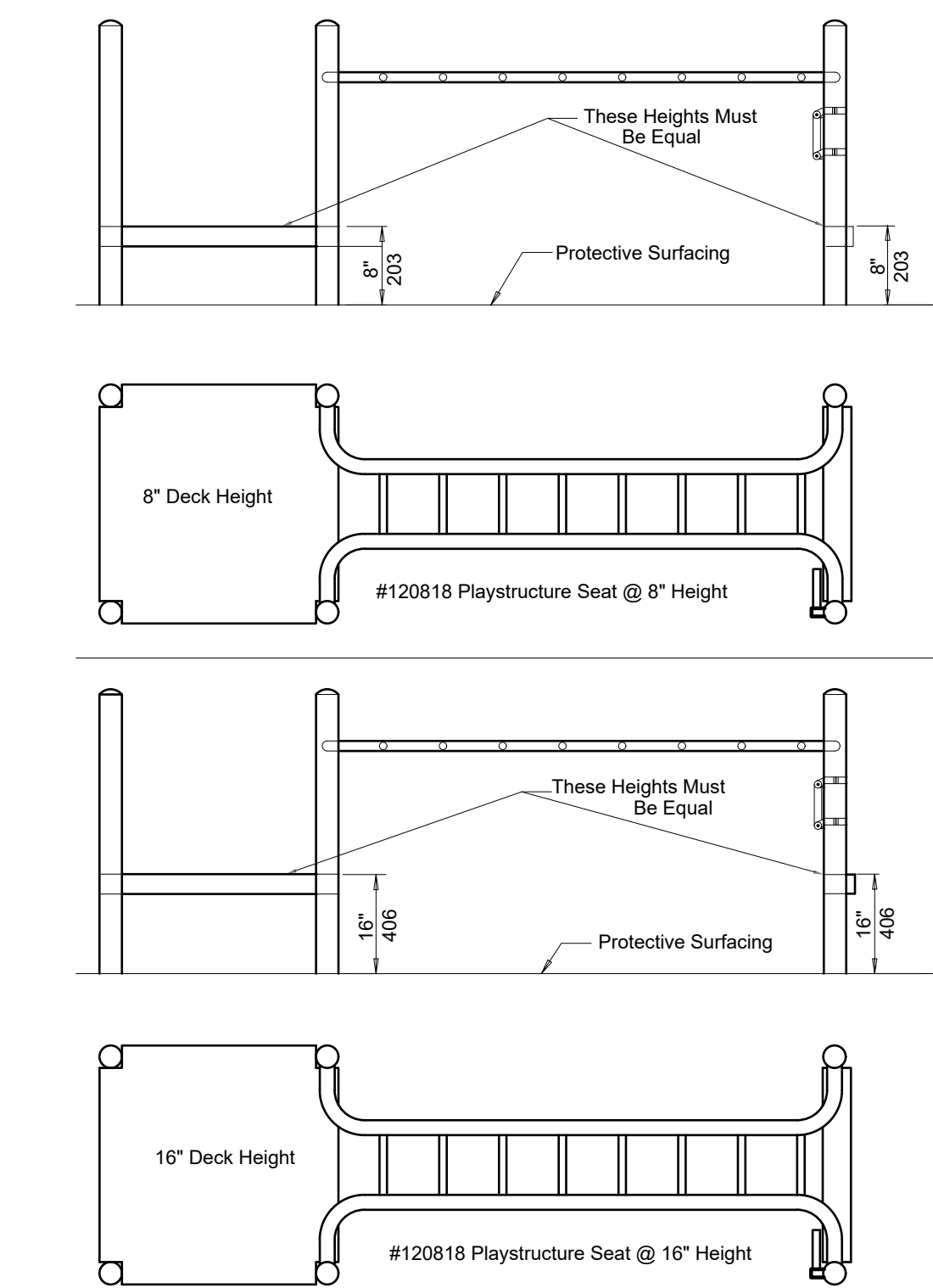


PlayBooster

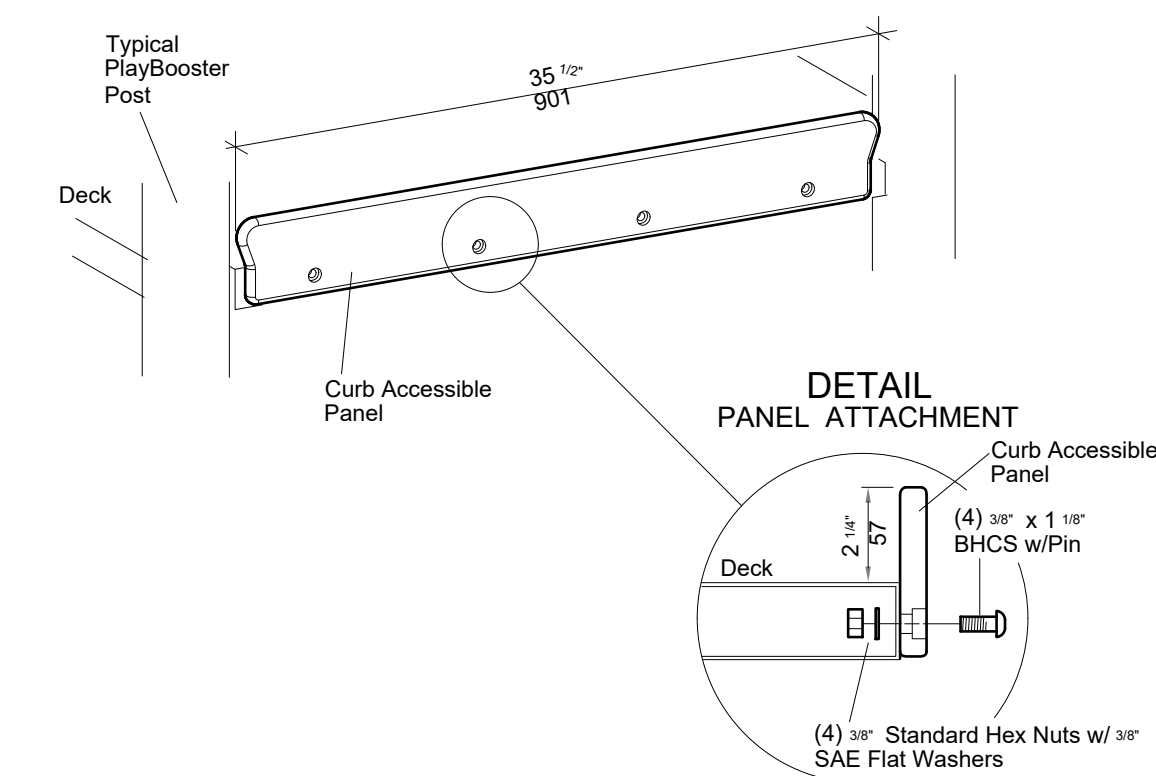
1 Belt Bridge
L103.5 SCALE: NTS



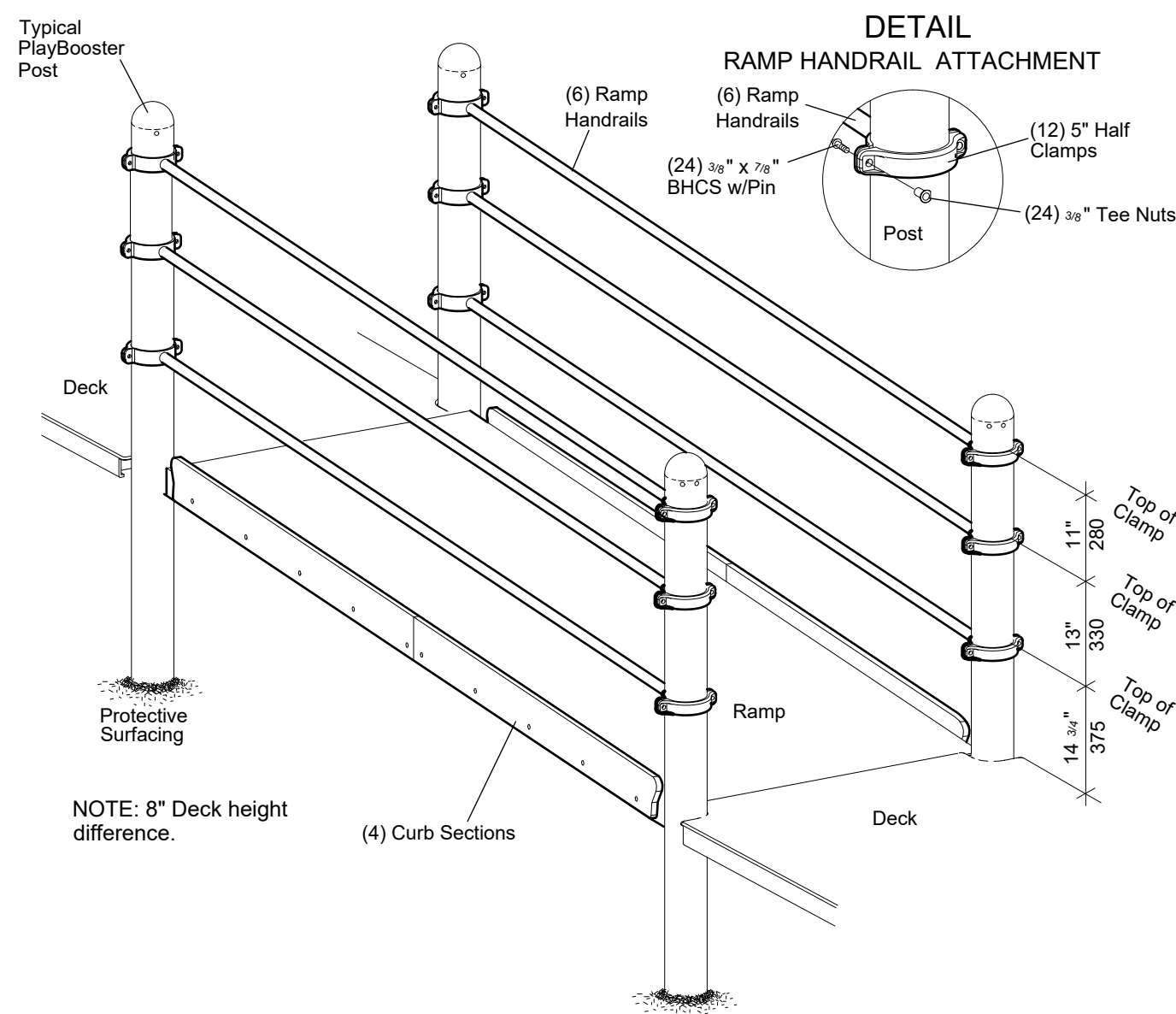
2 3-Panel Cascade Climber
L103.5 SCALE: NTS



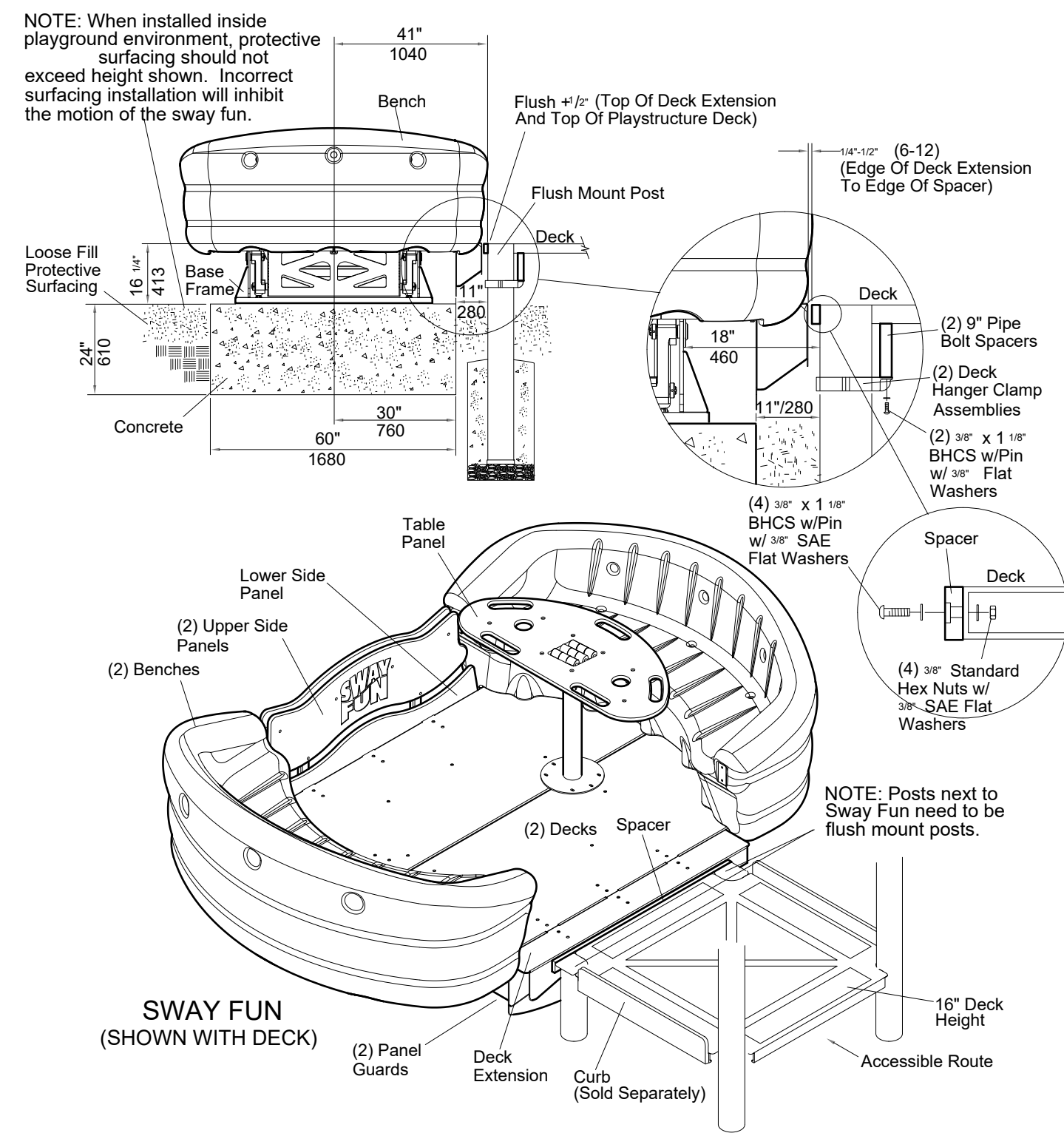
3 Access/Landing Seat
L103.5 SCALE: NTS



4 Reach Panel Curb
L103.5 SCALE: NTS



5 ASTM Ramp with Guardrail/Handrail
L103.5 SCALE: NTS



6 Sway Fun® Glider
L103.5 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).

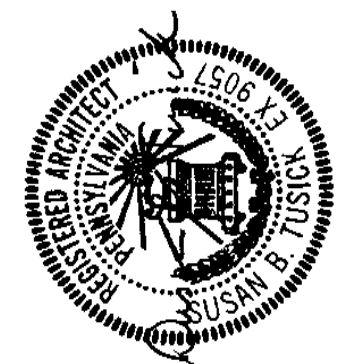
402 Accessible Routes
402.2 Components. Accessible routes shall consist of one or more of the following components: Walking surfaces with a slope not steeper than 1 :20, doors and doorways, ramps, curb ramps excluding the flared sides.

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 THE PROPERTY OF TUSICK & ASSOCIATES ARCHITECTS, INC. AND ARE NOT TO BE REPRODUCED, COPIED, OR USED FOR ANY OTHER PROJECTS WITHOUT THE WRITTEN CONSENT OF TUSICK & ASSOCIATES ARCHITECTS, INC. THE USER OF THESE DRAWINGS AND SPECIFICATIONS SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR OBTAINING ALL NECESSARY 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

SHEET NUMBER:		Accessible Playground, Details & Elevations		DRAWN BY		REVISIONS	
				JAG			
				CHECKED BY			
				SBT			
		HACP NVH - Family Recreational Area 525 Mt Pleasant Road, Pittsburgh, PA 15214		DATE ISSUED			
				06/04/24			
				DATE PRINTED			
				06/04/24			

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).

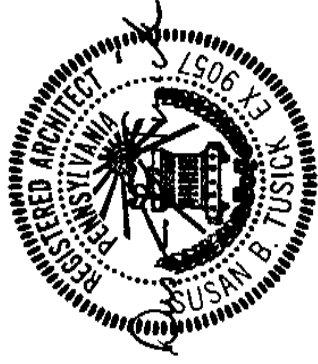
402 Accessible Routes
402.2 Components. Accessible routes shall consist of one or more of the following components: Walking surfaces with a slope not steeper than 1 :20, doors and doorways, ramps, curb ramps excluding the flared sides.

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 THE PROPERTY OF TUSUCK & ASSOCIATES ARCHITECTS, INC. AND ARE NOT TO BE REPRODUCED, COPIED, OR USED FOR ANY OTHER PROJECTS WITHOUT THE WRITTEN PERMISSION OF TUSUCK & ASSOCIATES ARCHITECTS, INC. THE USER OF THESE DRAWINGS AND SPECIFICATIONS SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, APPROVALS, AND CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE PROJECT.

© Tusuck & Associates Architects, Inc.

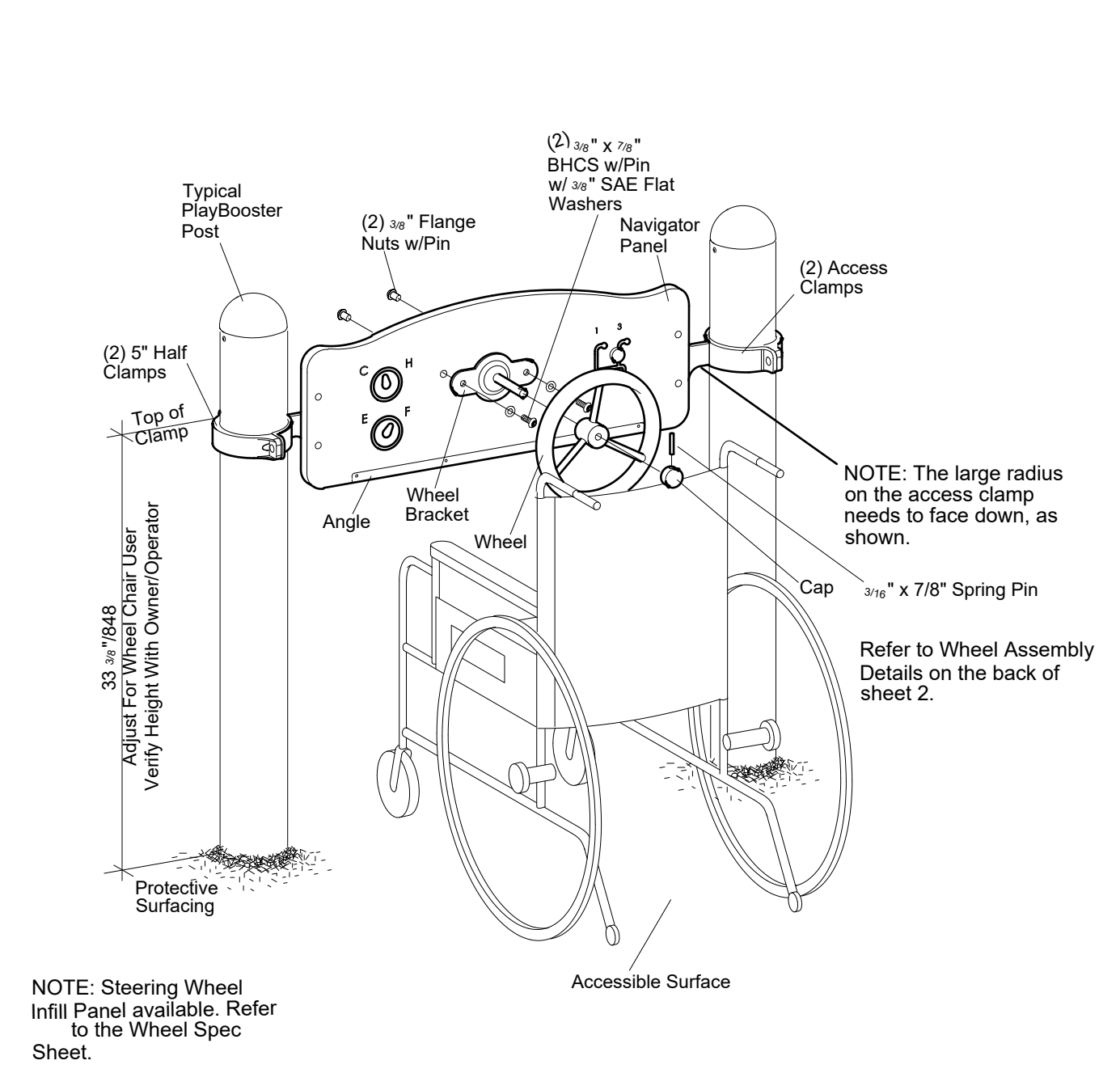
TAA
Tusuck & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusuckarchitects.com

REVISIONS	
DRAWN BY	JAG
CHECKED BY	SBT
DATE ISSUED	06/04/24
DATE PRINTED	06/04/24

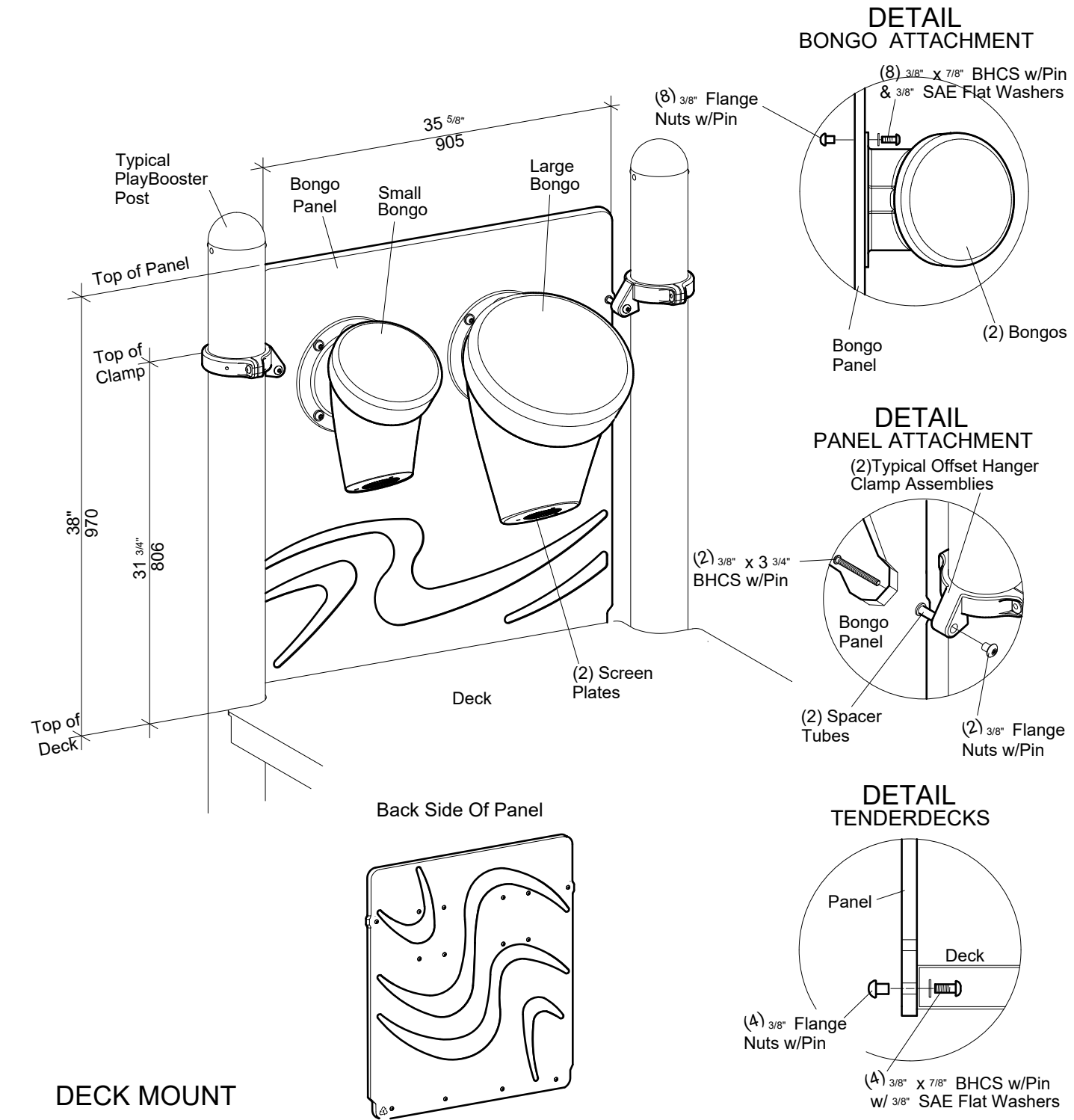
Accessible Playground, Details & Elevations
HACP NVH - Family Recreational Area
525 Mt. Pleasant Road,
Pittsburgh, PA 15214

SHEET NUMBER:

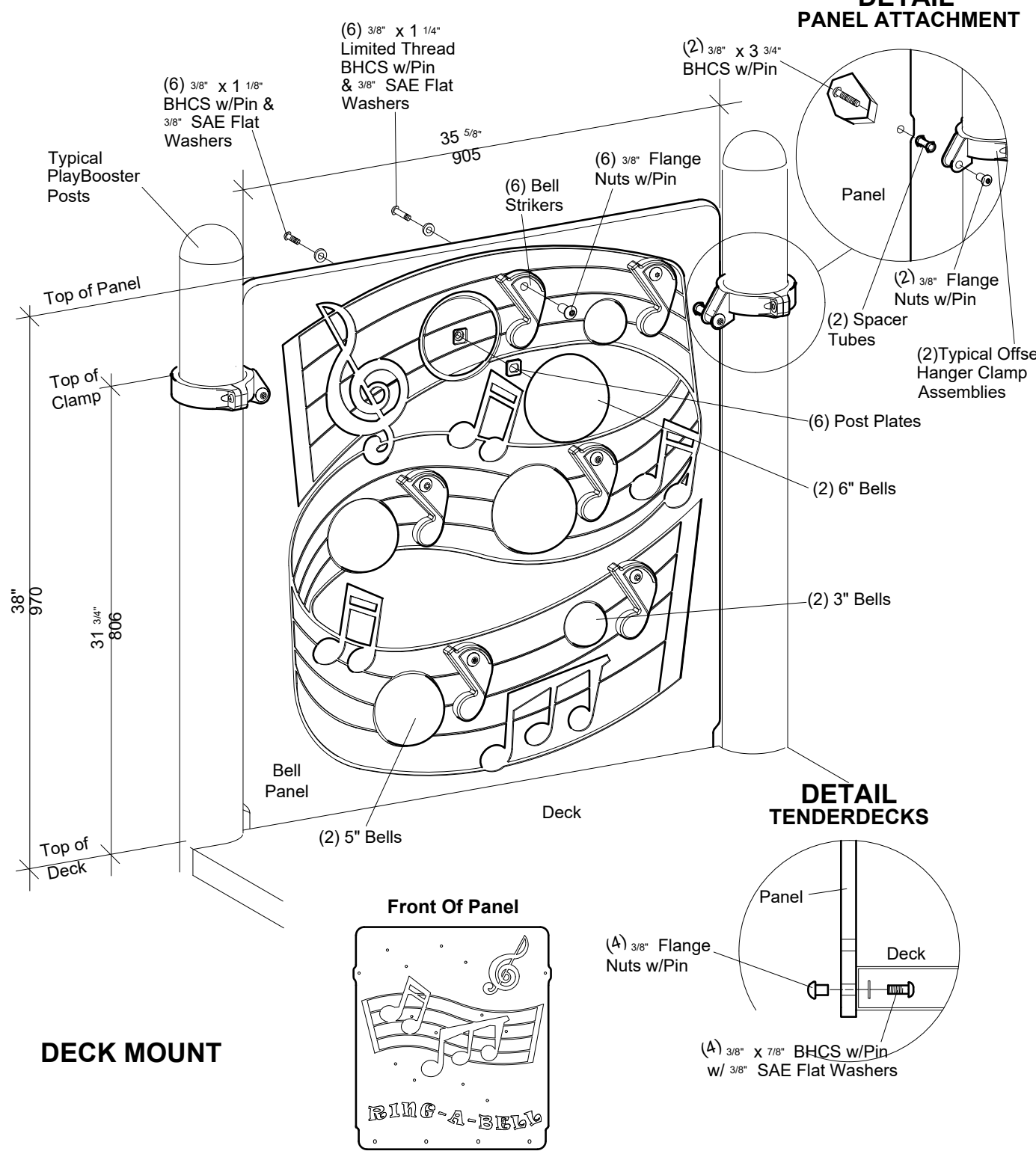
A0.4



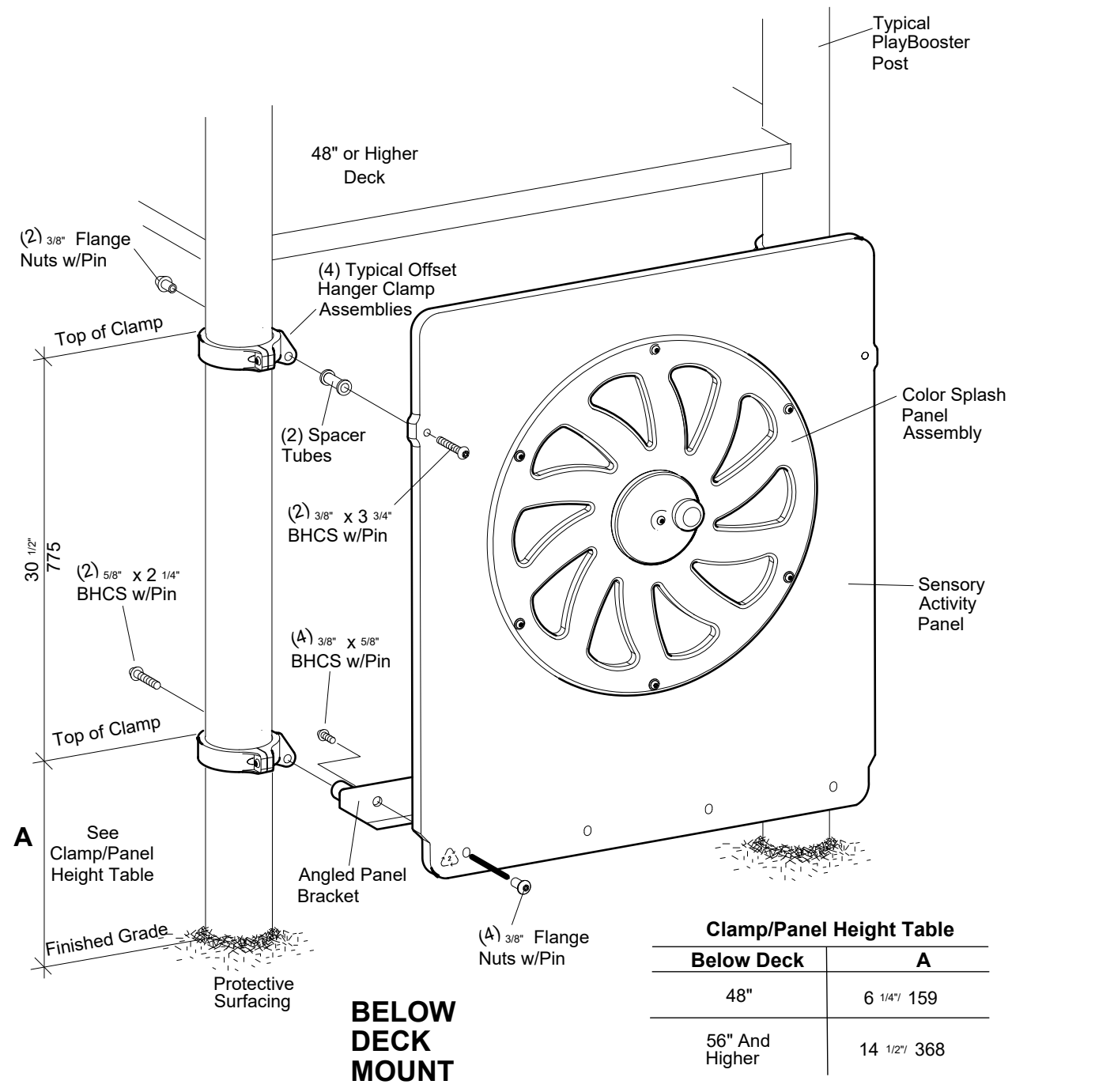
1 Navigator Panel
L103.6 SCALE: NTS



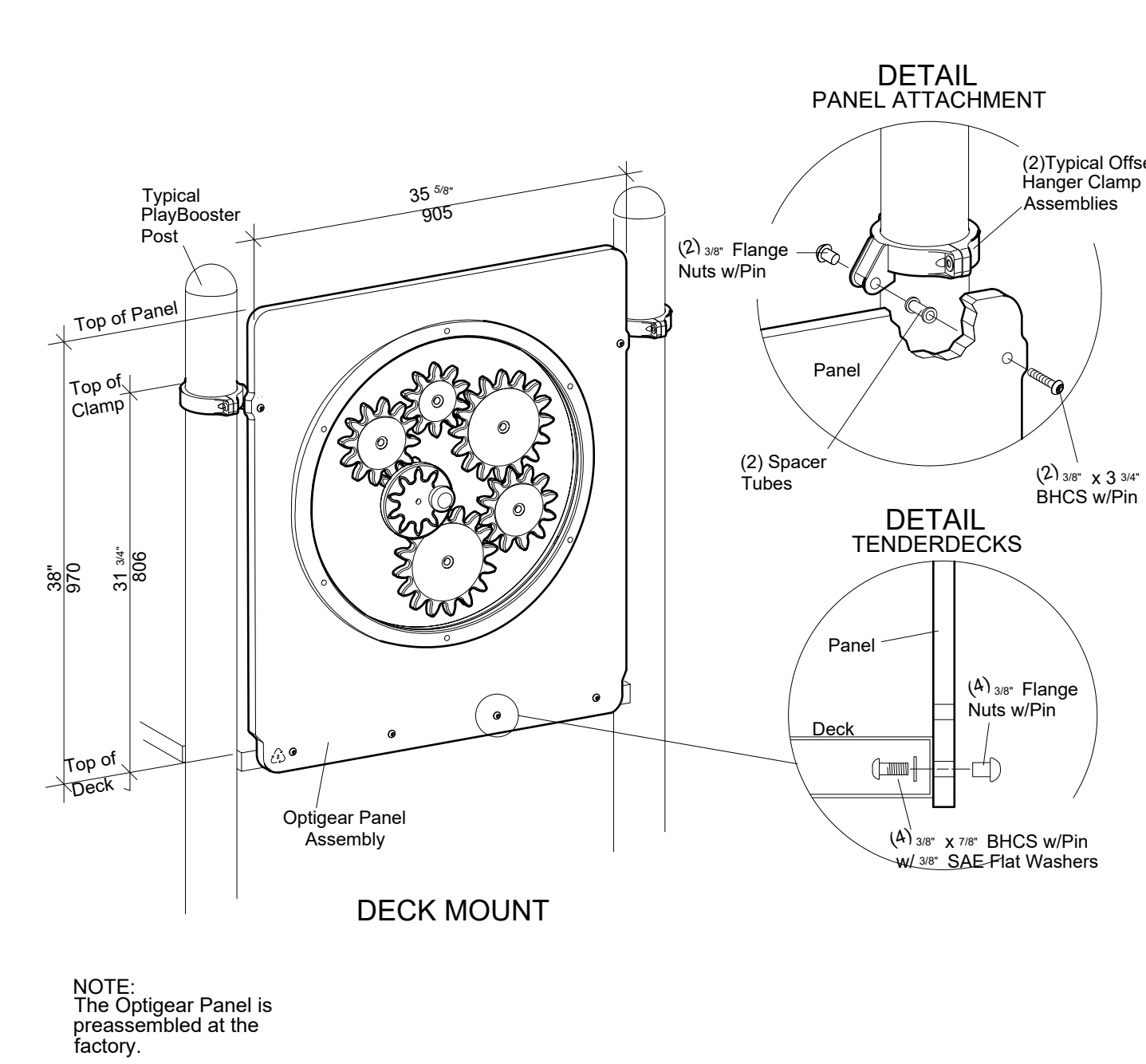
2 Bongo Panel®
L103.6 SCALE: NTS



3 Ring-a-Bell Panel
L103.6 SCALE: NTS

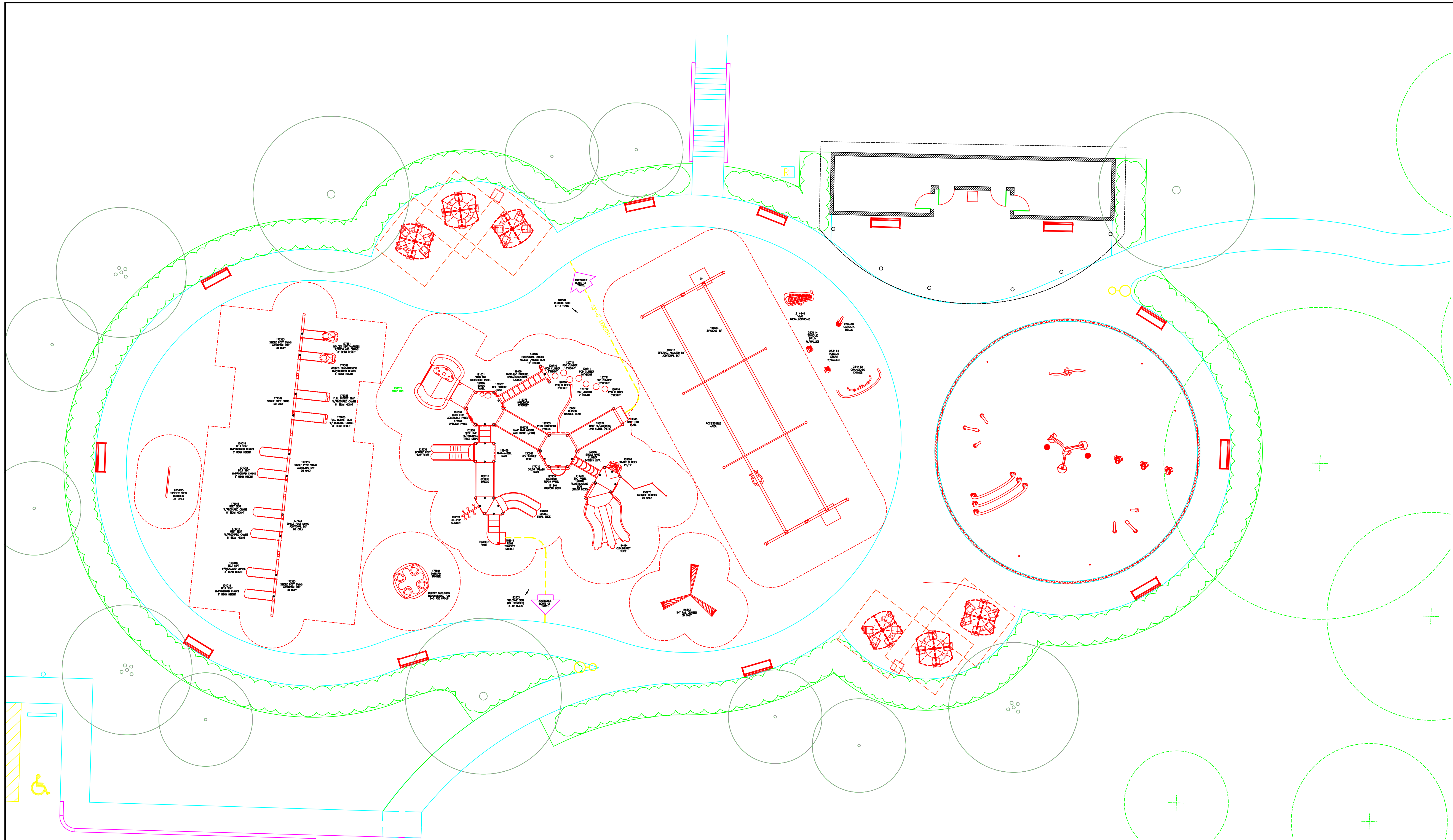


4 Color Splash Panel™
L103.6 SCALE: NTS



5 OptiGear Panel®
L103.6 SCALE: NTS

NOTE: ALL DETAILS ON THIS SHEET DEVELOPED BY LANDSCAPE STRUCTURES. PHONE: (763) 972-5200



TOTAL ELEVATED PLAY COMPONENTS	TELEV		
TOTAL ELEVATED COMPONENTS ACCESSIBLE BY RAMP	TACR	REQUIRED	TACRR
TOTAL ELEVATED COMPONENTS ACCESSIBLE BY TRANSFER	TACT	REQUIRED	TACTR
TOTAL ACCESSIBLE GROUND LEVEL COMPONENTS SHOWN	TGL	REQUIRED	TGLR
TOTAL DIFFERENT TYPES OF GROUND LEVEL COMPONENTS	DTG	REQUIRED	DTGLR



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



DRAWINGS & SPECIFICATIONS AS INSTRUMENTS OF SERVICE ARE PREPARED BY THE ARCHITECT OR ARCHITECTS ASSOCIATES. THE ARCHITECT OR ARCHITECTS ASSOCIATES ARE NOT TO BE USED FOR EXTENSIONS OF THE PROJECT OR OTHER PROJECTS EXCEPT BY AGREEMENT IN WRITING WITH APPROPRIATE AGENCIES. THE ARCHITECT OR ARCHITECTS ASSOCIATES ARE RESPONSIBLE FOR CONFIRMING AND CORRELATING DIMENSIONS AT CONSTRUCTION MEANS. METHODS, TECHNIQUES, SEQUENCES, OR CONSTRUCTIONS ARE THE RESPONSIBILITY OF THE ARCHITECT OR ARCHITECTS ASSOCIATES.

© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

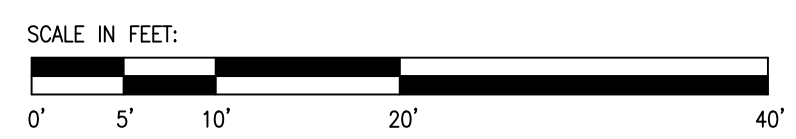
REVISIONS	
DRAWN BY	JAG
CHECKED BY	SBT
DATE ISSUED	04/23/24
DATE PRINTED	04/23/24

Accessible Elevated Plan

HACP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214

SHEET NUMBER:

A0.5

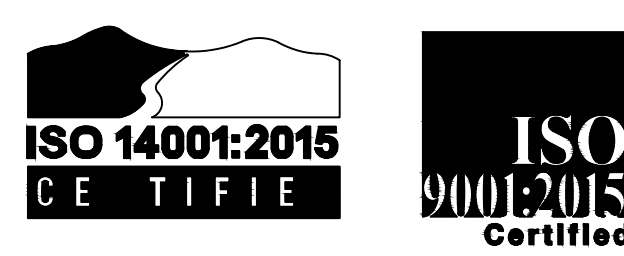


PROJ1
PROJ2
LOCATION

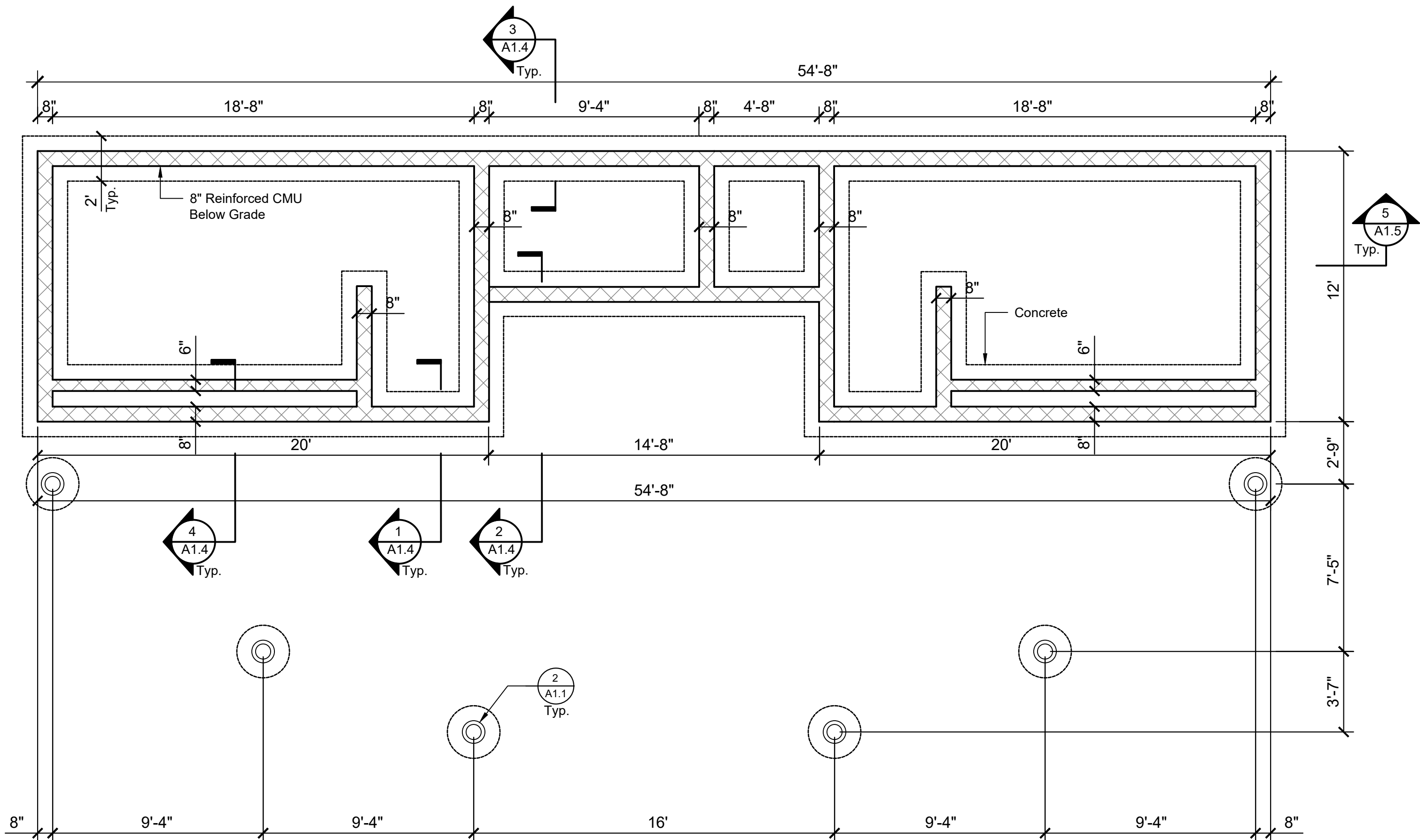
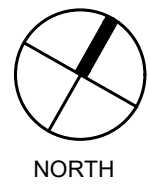
REP1
REP2
REPCONTACT

SYSTEM TYPE:
SYS

DRAWING #:
NUMBER

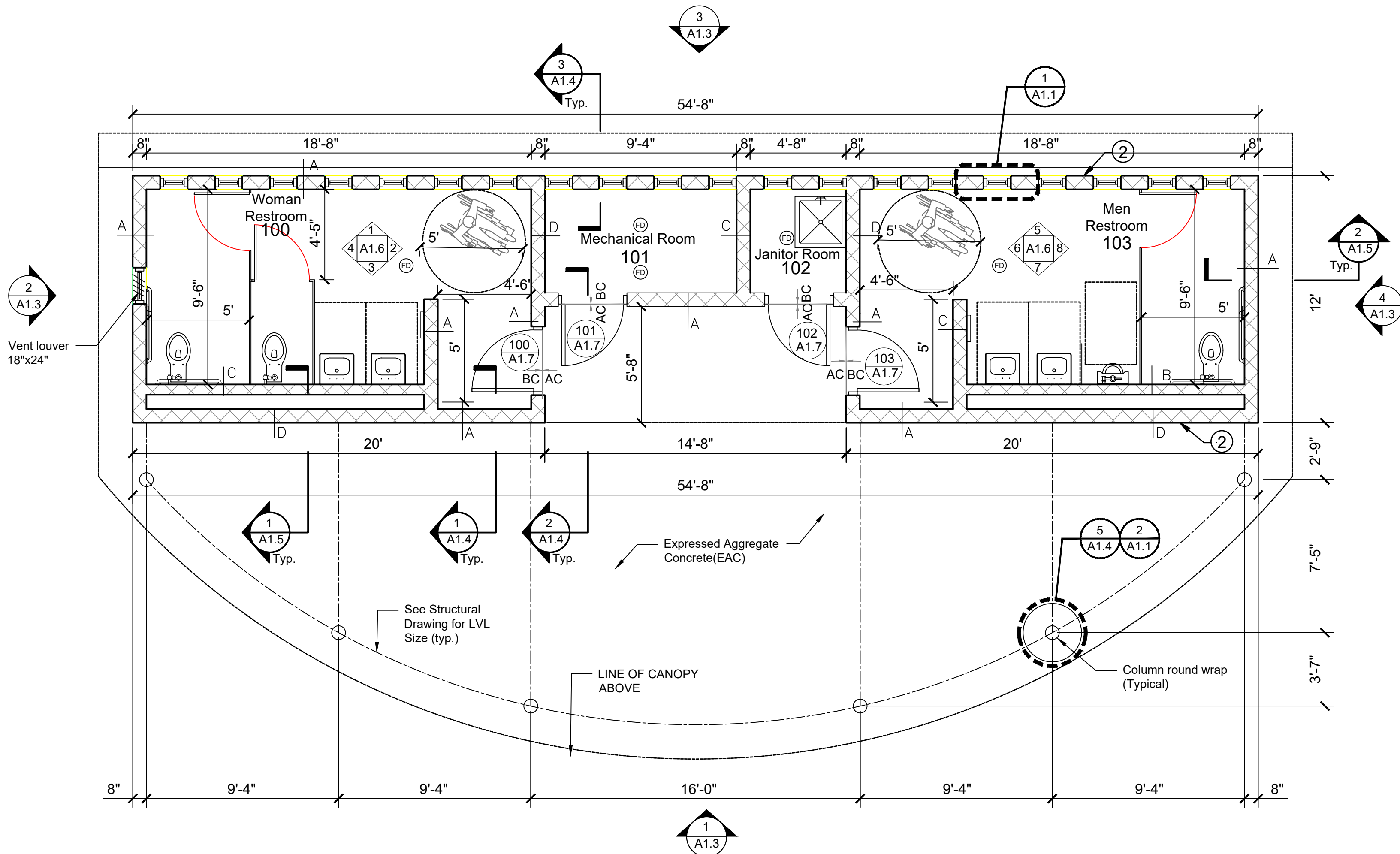
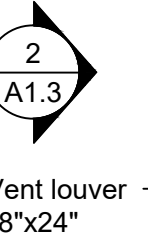


T:\01 Projects\03.1 Housing Authority\2026 HACP NVH Recreation Area (Splash park)\08.0 Construction Documents\26-07-26- NVH- Splash Park_ Arch_Eng_Full Set\26-07-30- NVH- Splash Park_ Arch_Eng_Full



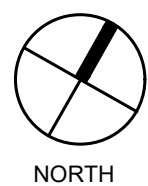
RESTROOM BUILDING FOUNDATION FLOOR PLAN

SCALE: 1/4" = 1'-0"



RESTROOM FLOOR PLAN

SCALE: 1/4" = 1'-0"



General Constructions Notes

1. All construction shall comply with local, state and federal laws, rules, regulations, standards, and codes.
2. The building permit, a safety board, inspections, medical emergency plan, first aid kit shall be on the site when the construction begins to the final inspection by governmental authorities, the Housing Authority of the City of Pittsburgh and the Architect
3. The permitted construction documents, drawings and specifications, shall be on the site from the first day of a contraction to the final inspection with its
2. Contractor shall not build and review drawings and details from a cell phone. The project shall be built from drawings and specifications paper documents located at the site.
3. Construction questions must be submitted as a Request For Informa trio to HACP and the Architect . No construction should be altered, modified, changed or eliminated without the HACP and the Architects approval occur without approval from HACP and the Architect.and the Architect's written approval. Change Orders constructed without HACP and the Architect's approval will be n considered incorrect, incomplete and noncompliant. The contractor shall remove and replace as per the construction documents at the contractor's costs..
5. Submittals, shop drawings, and/or samples that are submitted for review a third time shall reviewed without pre payment from the contractor for the additional time . not The payment shall be hourly and based upon an hourly basis to the and approval,. be reviewed until the contractor pays upfront for the time spent by the Tusick & Associates Architects at the Architects' according to the rated in TAA's HACP 2025 Master Contract
6. All 4 Prime contractor' s subcontractor must submit any questions through their Prime. The Prime shall submit the subcontractor's question to HACP and the Architect for review .
7. The HACP Northview Height recreation area is seasonal . The building, splash park equipment, and and all waterlines shall be winterized.

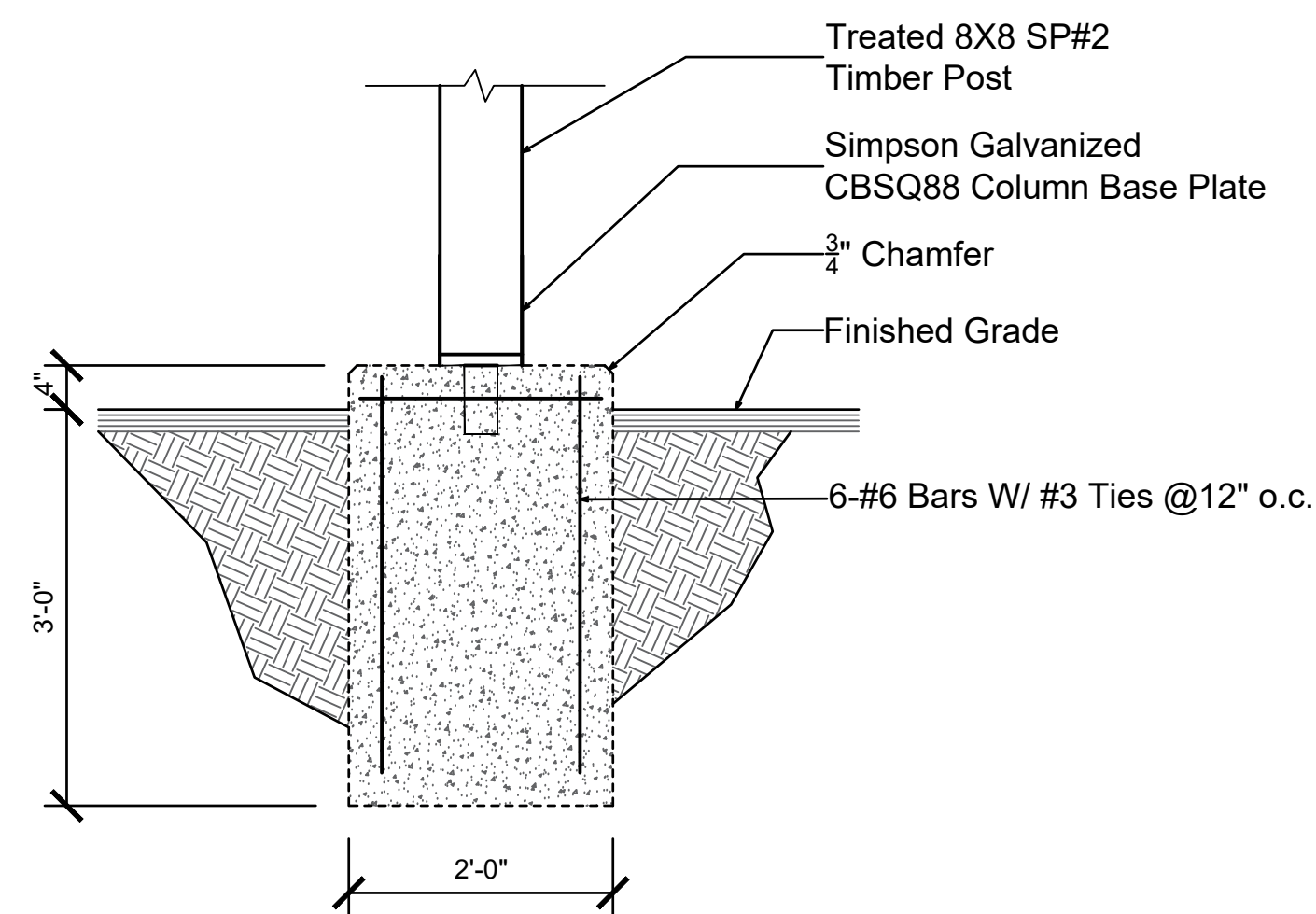
Specific Notes

Foundation

1. Concrete block above grade is glazed concrete block except between mechanical rm and Janitor close
2. Concrete block below grade is standard concrete block

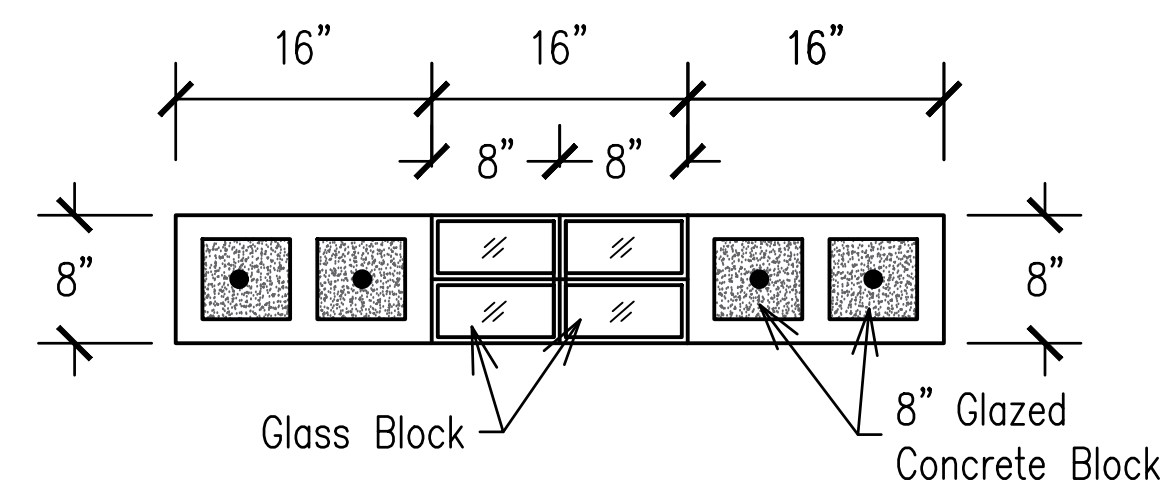
Restroom Building

1. All concrete block is stacked with rebars from foundation to bond beam at top and filled with high-strength concrete grout . See structural drawings
2. Above and below the glass block windows and the louver vent the concrete block shall have rebars h . rebars and be filled with high-strength concrete grout. See structural drawings
3. Interior 4" concrete floor shall be broom finished and sealed. See specifications
4. At the transition between the exterior concrete and the interior concrete in the doorways, use a heavy -duty ,flush, traffic -grade sealant joint. For structural separation place a 4 -inch deep, completely separating the broom finish interior from the exterior aggregate concrete. Prior to the concrete curing completely, sawcut and create a 3/8 inch wide x 1/2" by inch deep channel that directly sheds the watercompletely.
5. 5/8" water resistant gypsum wallboard to be hung above the top glass block mortar joint
6. Restrooms must meet Uniform Federal Accessibility Standards as well as 2018 IBC ANSI Standards UFAS must be exact. No construction variances.
7. Graphic symbol for window is an Auto CAD symbol. We are using this symbol for glass block
8. The abbreviation AC stands for Aggregate Concrete and BC stands for Broom Finished Concrete



SECTION 2 A1.1

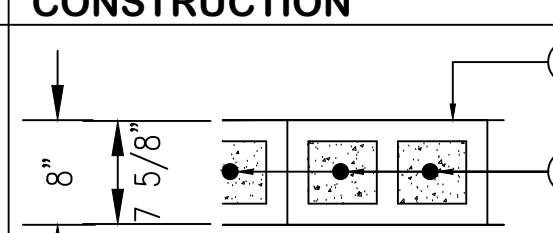
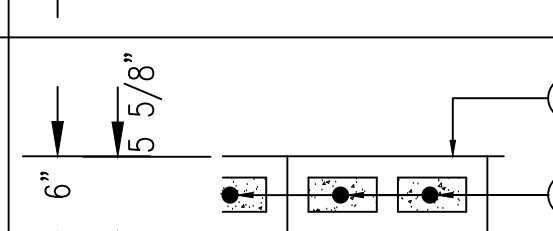
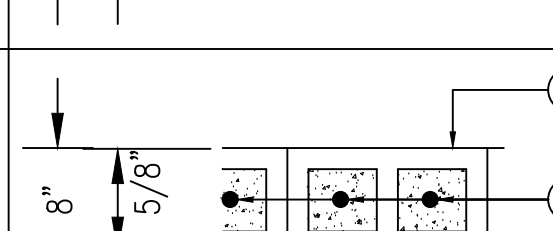
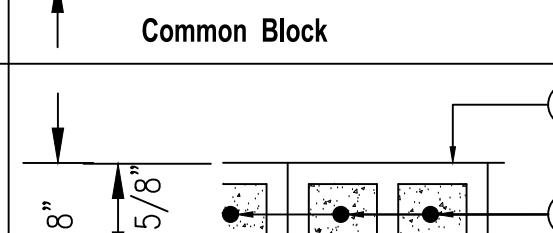
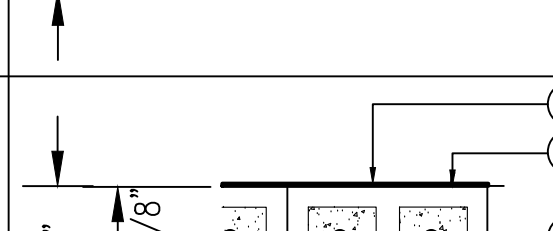
SCALE: 3" = 1'-0"

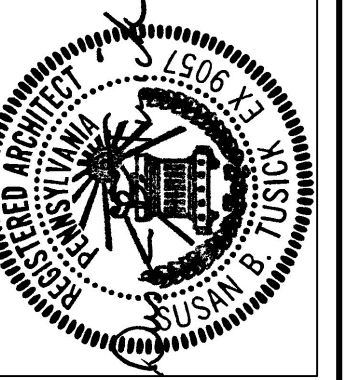


Enlarged Glass Block Details 1 A1.1

SCALE: 1" = 1'-0"

PARTITION TYPES

TYPES	CONSTRUCTION
A	
B	
C	
D	
BELOW GRADE	
DESCRIPTION	
1. Two faced glazed concrete block	
2. Filled concrete block cell with high strength concrete grout and rebar.	
3. Single Faced glazed concrete block	
4. Common concrete block below grade	
5. Bituminous waterproofing coat	



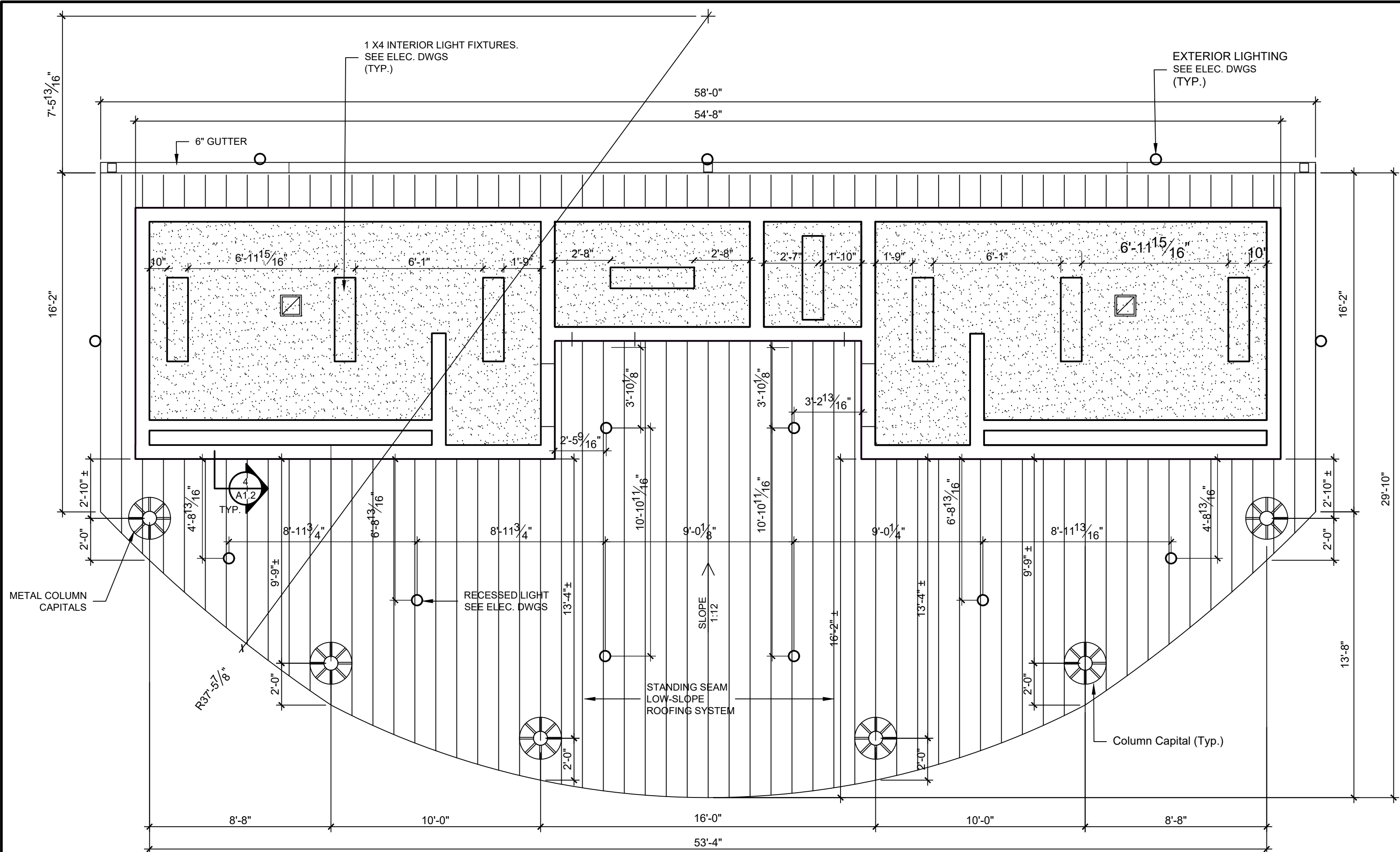
DRAWINGS & SPECIFICATIONS AS INSTRUMENTS OF SERVICE. ANY AND ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PROJECT'S SPECIFICATIONS. THE PROJECT'S SPECIFICATIONS ARE NOT TO BE USED FOR EXTENSIONS OF THE PROJECT OR OTHER PROJECTS EXCEPT BY AGREEMENT IN WRITING WITH APPROPRIATE AUTHORITIES. THE ARCHITECT AND ARCHITECTS SHALL BE RESPONSIBLE FOR CONFIRMING AND CORRELATING DIMENSIONS AT CONSTRUCTION MEANS. METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES FOR THE PROJECT'S PRECAUTIONS AND PROGRAMS IN CONSTRUCTION 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

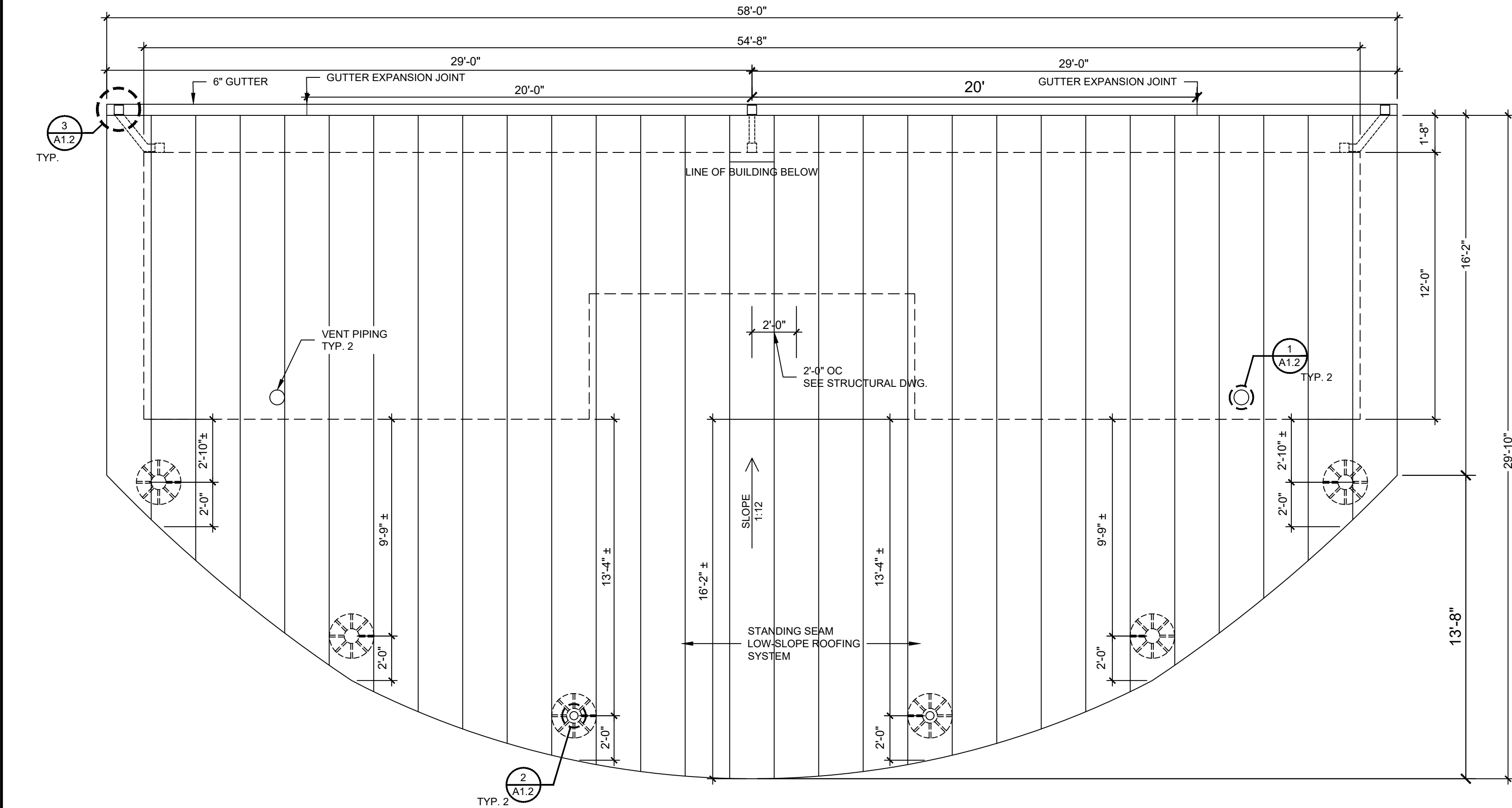
REVISIONS	DRAWN BY	CHECKED BY	DATE ISSUED	DATE PRINTED
07-26-2026 07-31-2026 REVISED	JAG	SBT	07/31/26	07/31/26
FOUNDATION AND RESTROOM BUILDING PLANS				
HACP NVH - Family Recreational Area 525 Mt Pleasant Road, Pittsburgh, PA 15214				
SHEET NUMBER:				
A1.1				

T:\0.1 Projects\03.1 Housing Authority\2026 HACP NVH Recreation Area (Splash park)\08.0 Construction Documents\26-07-31 Final Drawings\26-07-26- NVH- Splash Park_Arch_Eng_Full Set\26-07-30- NVH- Splash Park_Arch_Eng_Full



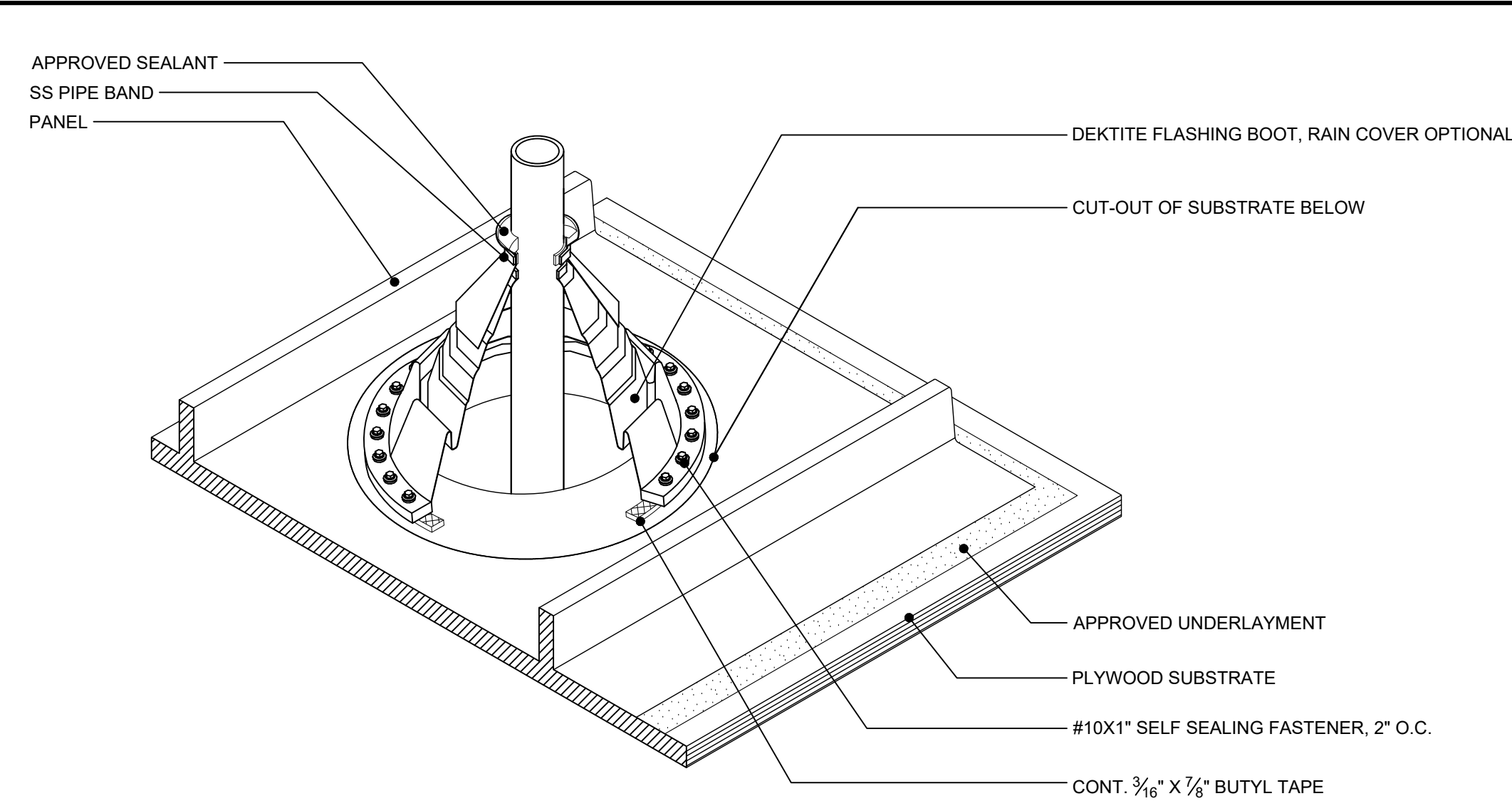
RESTROOM REFLECTED CEILING PLAN

SCALE: 1/4" = 1'-0"



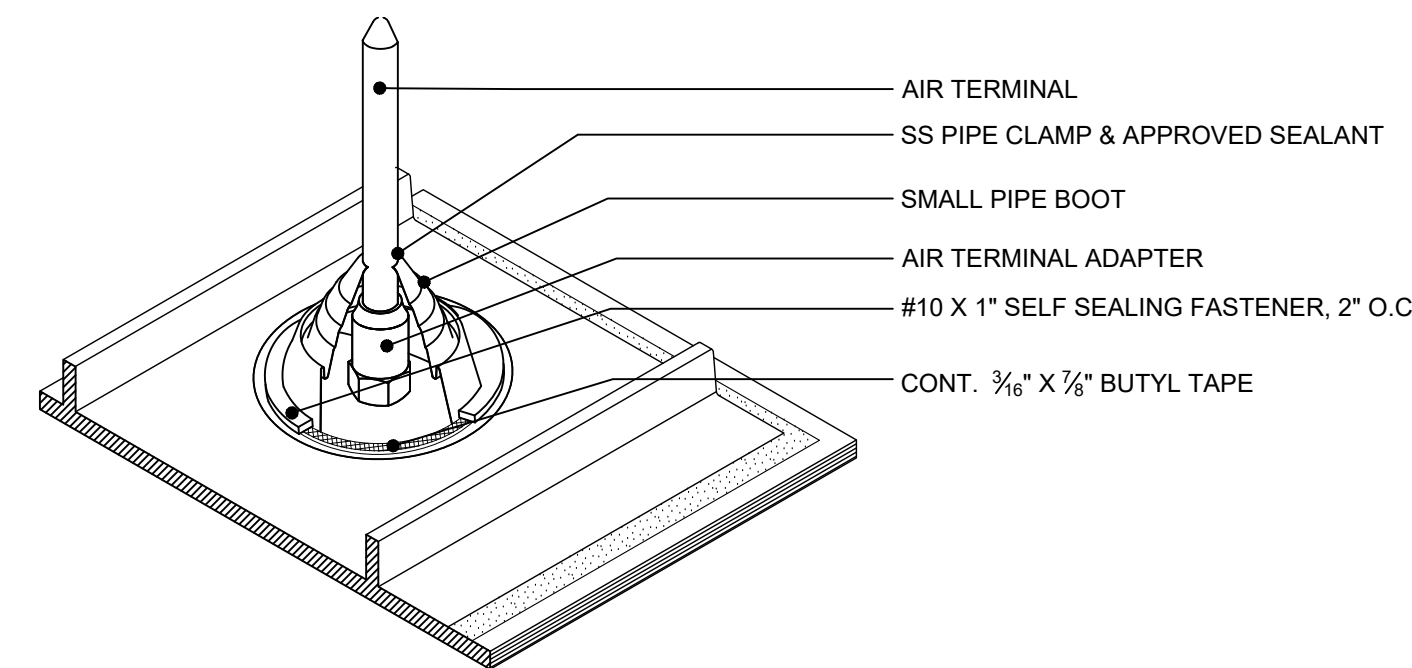
RESTROOM BUILDING ROOF PLAN

SCALE: 1/4" = 1'-0"



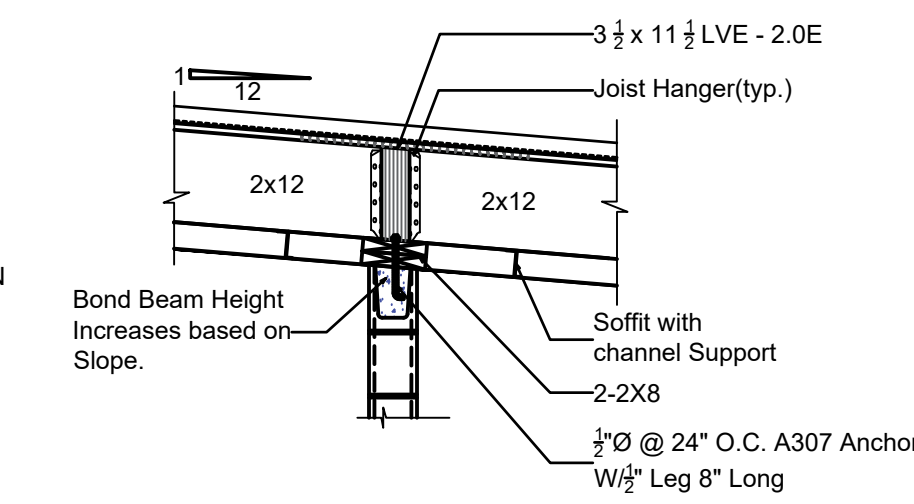
1. MAKE SURE DECK IS CLEAN AND READY FOR INSTALLATION. INSTALL UNDERLAYMENT PER MANUFACTURER'S INSTRUCTIONS.
2. INSTALL PANELS ACROSS ROOF UNTIL A PENETRATION OCCURS. LAYOUT PENETRATION LOCATION BY MEASURING DISTANCE UP FROM EAVE AND DISTANCE OVER FROM LAST PANEL RIB.
3. THE LARGE PENETRATION DETAIL MUST BE USED IF PIPE BOOT FLANGE IS LOCATED WITHIN 1" OF PANEL RIB.
4. CUT A HOLE IN THE SUBSTRATE THAT EXTENDS BEYOND THE PIPE BOOT BEING USED.
5. CUT A HOLE IN THE PANEL THAT IS 2" LARGER THAN THE PENETRATION AND INSTALL PANEL.
6. APPLY 3/16"x7/8" BUTYL TAPE TO PIPE BOOT, CUT TO THE CORRECT SIZE FOR PENETRATION AND SLIDE OVER TOP OF PIPE. ATTACH TO PANEL USING #10X1" SELF-SEALING FASTENERS AT 2" O.C. THROUGH BUTYL TAPE.
7. INSTALL STAINLESS STEEL PIPE CLAMP AT TOP OF PIPE BOOT AND TIGHTEN ACCORDINGLY.
8. APPLY A BEAD OF APPROVED SEALANT ABOVE PIPE BOOT AND TOOL IN.

1 ROOF PENETRATION DETAIL
A1.2 NTS

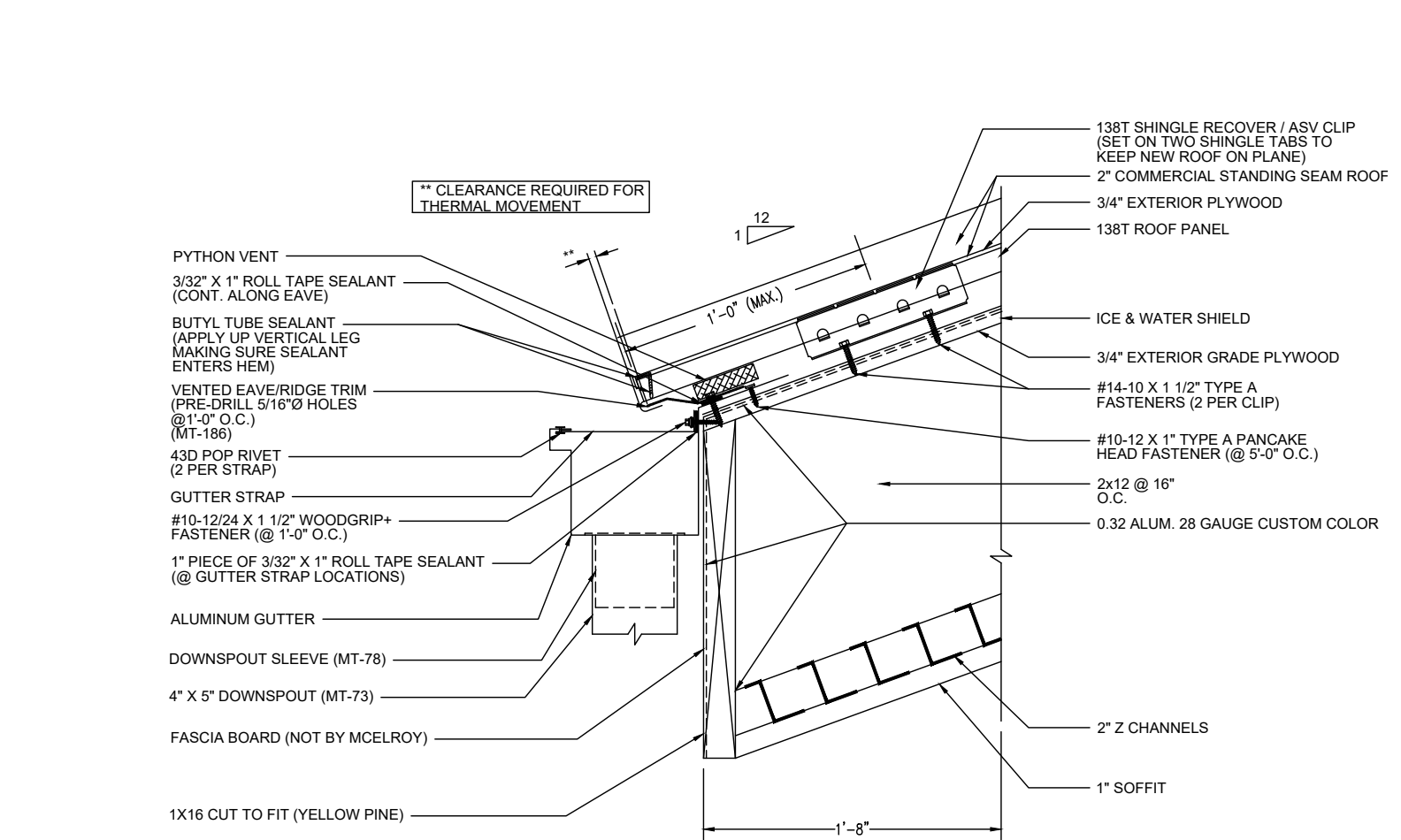


1. MAKE SURE DECK IS CLEAN AND READY FOR INSTALLATION. INSTALL UNDERLAYMENT PER MANUFACTURER'S INSTRUCTIONS.
2. INSTALL PANEL, FIELD BEND PANEL EDGE 45° TO CREATE BOX END. DO NOT CUT PANEL RIBS WHEN FOLDING BOX END.
3. APPLY 3/16"x7/8" BUTYL TAPE TO Z CLOSURE AND INSTALL OVER PANEL USING #10x1" PANCAKE HEAD FASTENERS AT 4" O.C. THROUGH BUTYL TAPE. MINIMUM 5 FASTENERS PER PANEL.
4. APPLY A VERTICAL BEAD OF APPROVED SEALANT BEHIND THE Z CLOSURE AT PANEL RIB AND TOOL IN.
5. INSTALL ALUMINUM LIGHTING PROTECTION CONDUCTOR USING CABLE FASTENERS. COPPER PRODUCTS CANNOT BE USED.
6. LOCATE AIR TERMINAL LOCATIONS AND CUT SMALL HOLE IN RIDGE CAP.
7. INSTALL RIDGE CAP BY ENGAGING ONTO Z CLOSURES. MINIMUM 4" LAP ON RIDGE CAP WITH APPROVED SEALANT IN-BETWEEN LAPS. 24" MIN. FLASHING LENGTH.
8. APPLY 3/16"x7/8" BUTYL TAPE TO SMALL PIPE BOOT AND INSTALL OVER AIR TERMINAL, ATTACH TO RIDGE CAP USING #10x1" SELF-SEALING FASTENERS AT 2'-0" O.C. THROUGH BUTYL TAPE.
9. APPLY A BEAD OF APPROVED SEALANT ABOVE SMALL PIPE BOOT AND TOOL IN.
10. DRILL HOLES THROUGH RIDGE CAP HEM AND Z CLOSURE USING THE CORRECT SIZE DRILL AT 18" O.C.
11. INSTALL STAINLESS STEEL POP RIVETS THROUGH HEM OF RIDGE CAP, ATTACHING TO CLOSURE, AT 18" O.C.
12. REMOVE ALL SWarf, FILINGS, AND DEBRIS FROM AREA IMMEDIATELY UPON COMPLETION.

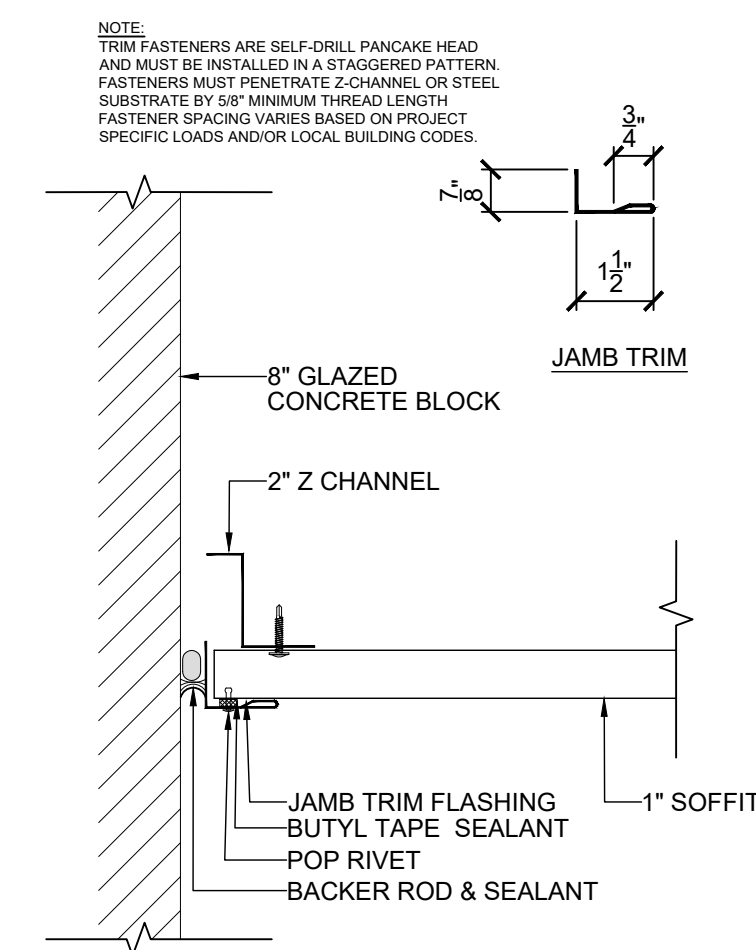
2 LIGHTING PROTECTION DETAIL
A1.2 NTS



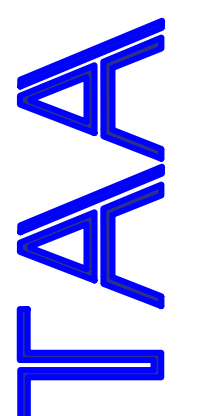
5 WALL CONNECTION DETAIL
A1.2 SCALE: 1/2" = 1'-0"



3 EAVE WITH GUTTER DETAIL
A1.2 NTS



4 SOFFIT DETAIL
A1.2 SCALE: 3" = 1'-0"



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
06-27-2026	JAG	SBT	07/31/26	07/31/26
07-31-2026				
REVISED				

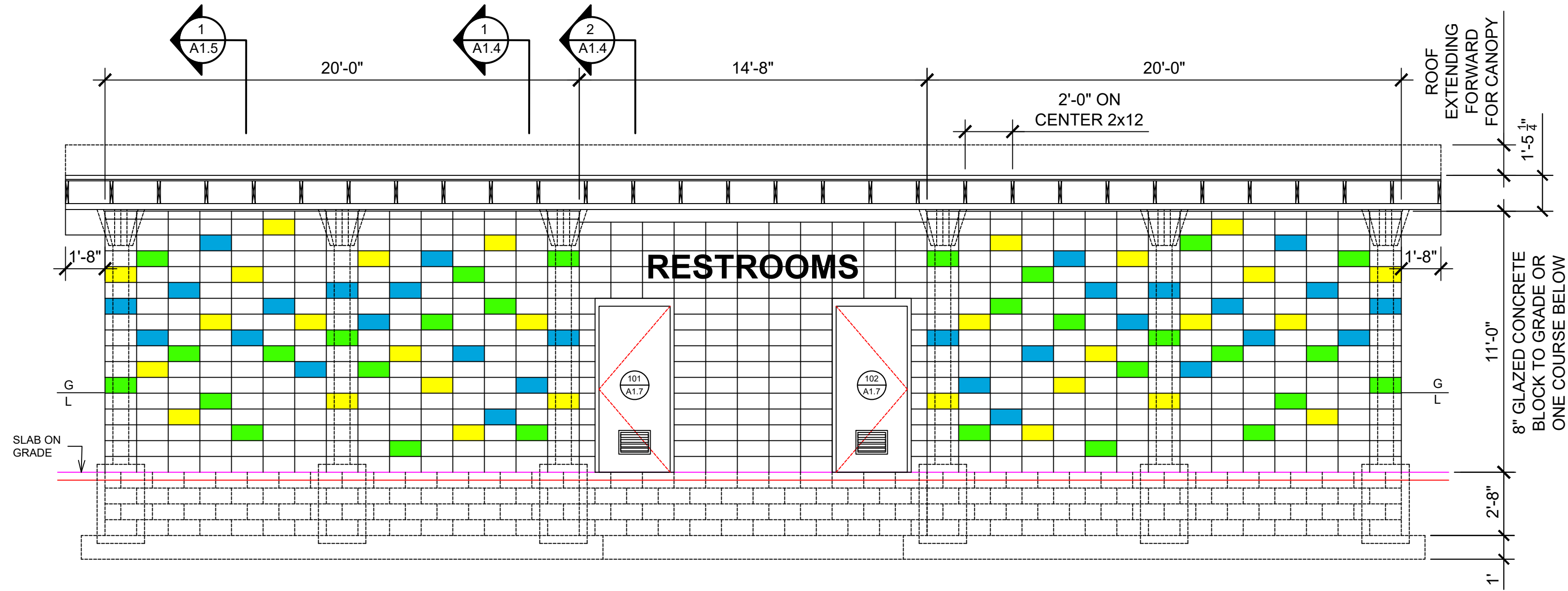
RESTROOM BUILDING ROOF PLAN
AND REFLECTED CEILING PLAN

HACP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214

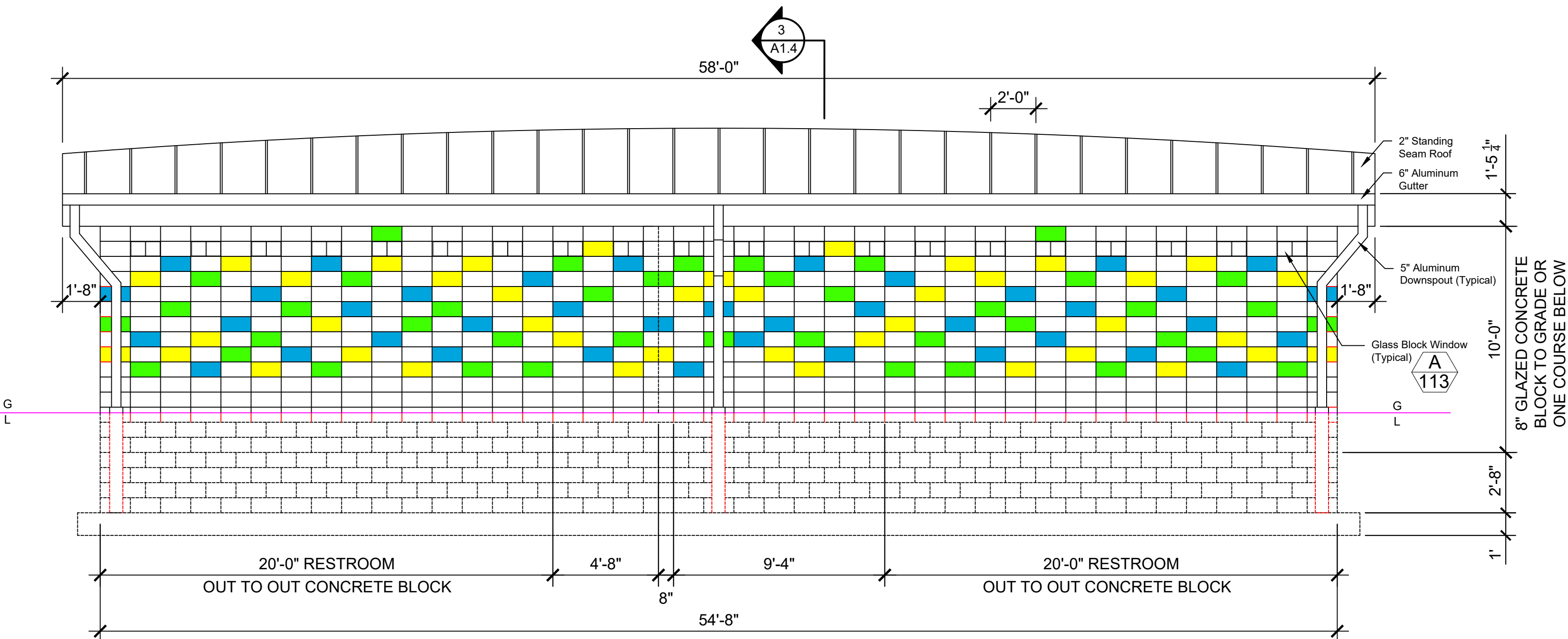
SHEET NUMBER:

A1.2

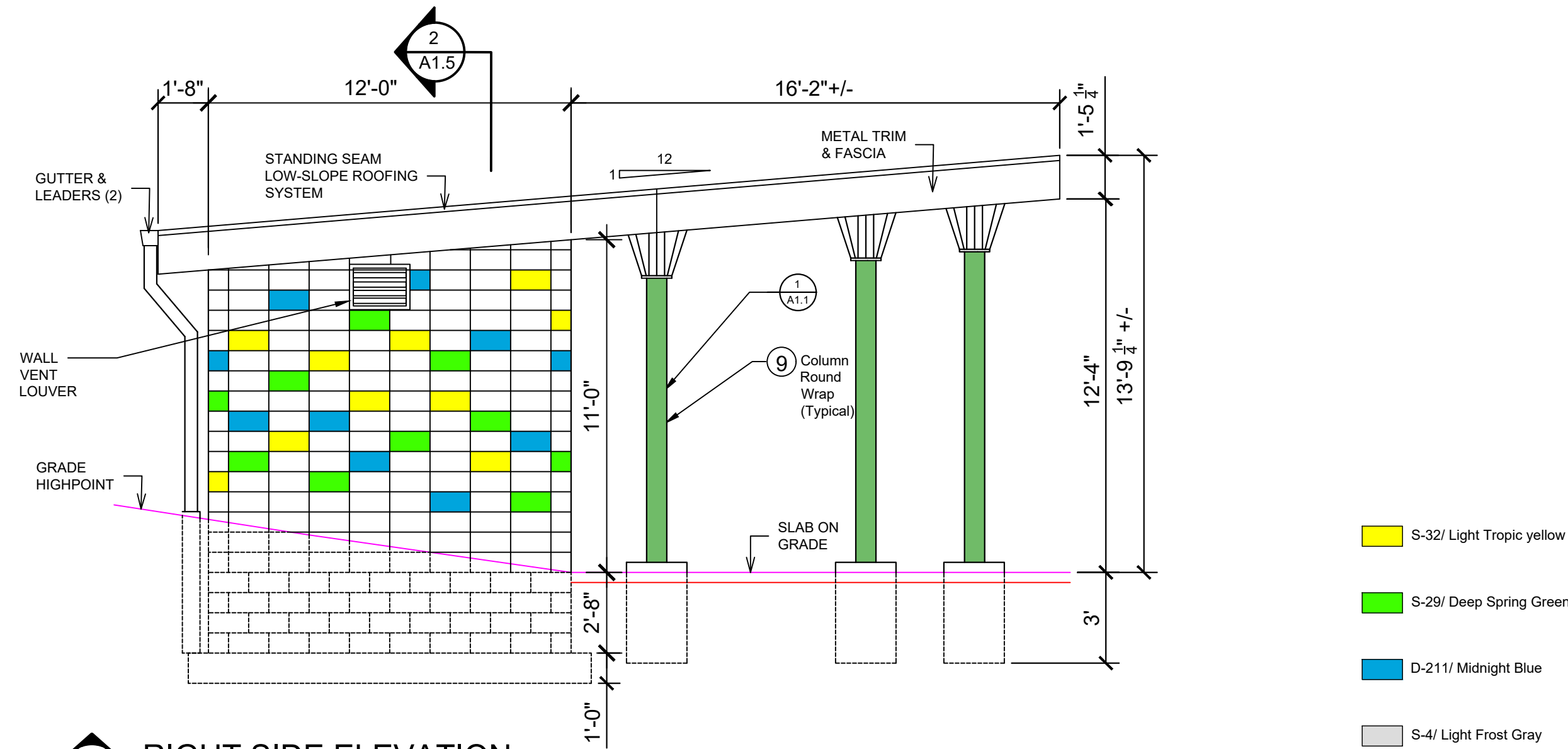
T:\0.1 Projects\03.1 Housing Authority\2026 HACP NVH Recreation Area (Splash park)\08.0 Construction Documents\26-07-30- NVH- Splash Park_ Arch_Eng_Full



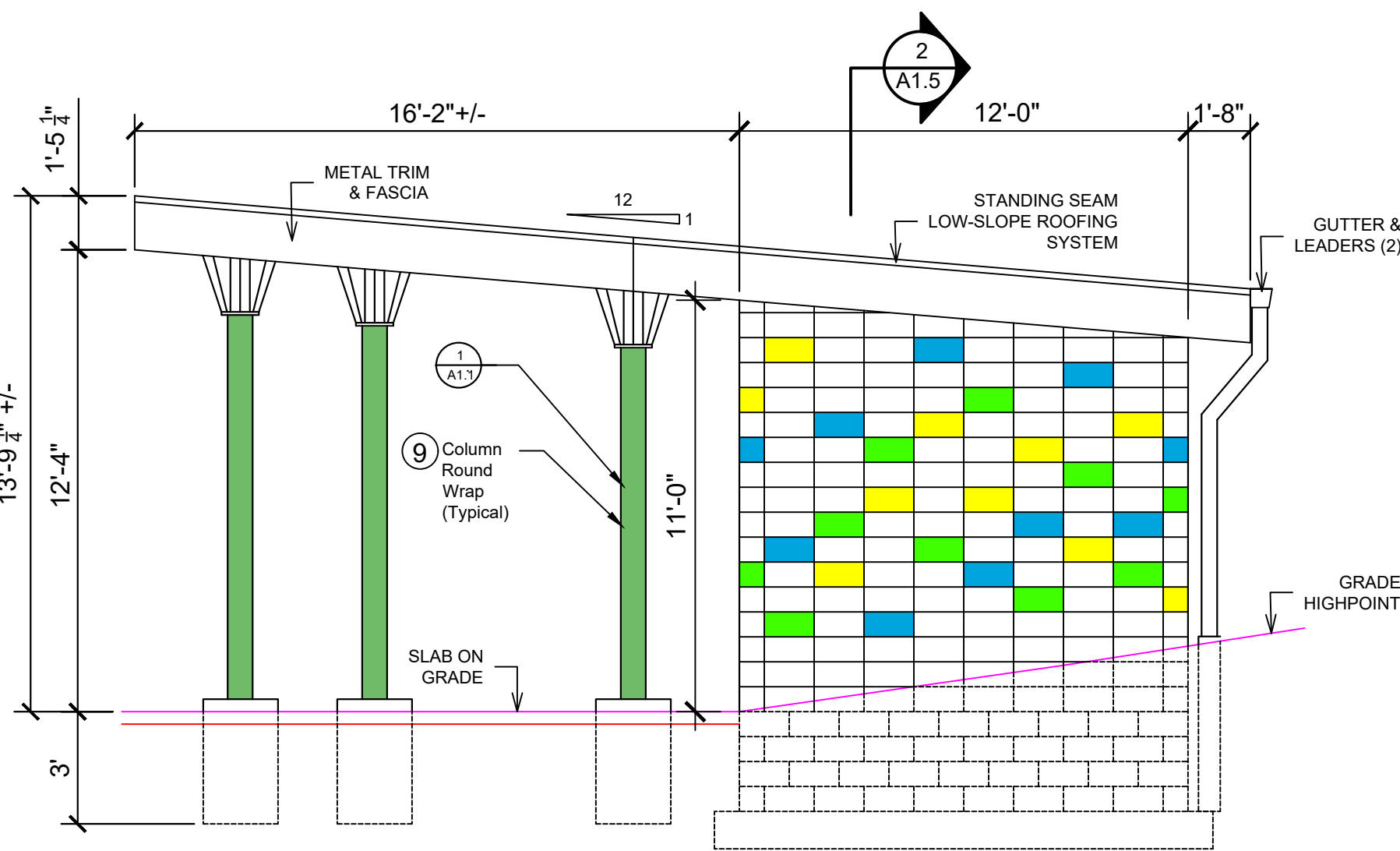
1 FRONT ELEVATION
SCALE: 1/4" = 1'-0"



3 REAR ELEVATION
SCALE: 1/4" = 1'-0"

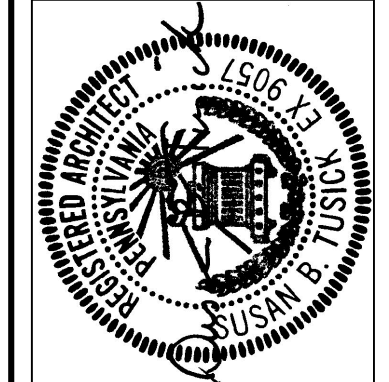


2 RIGHT SIDE ELEVATION
SCALE: 1/4" = 1'-0"



4 LEFT SIDE ELEVATION
SCALE: 1/4" = 1'-0"

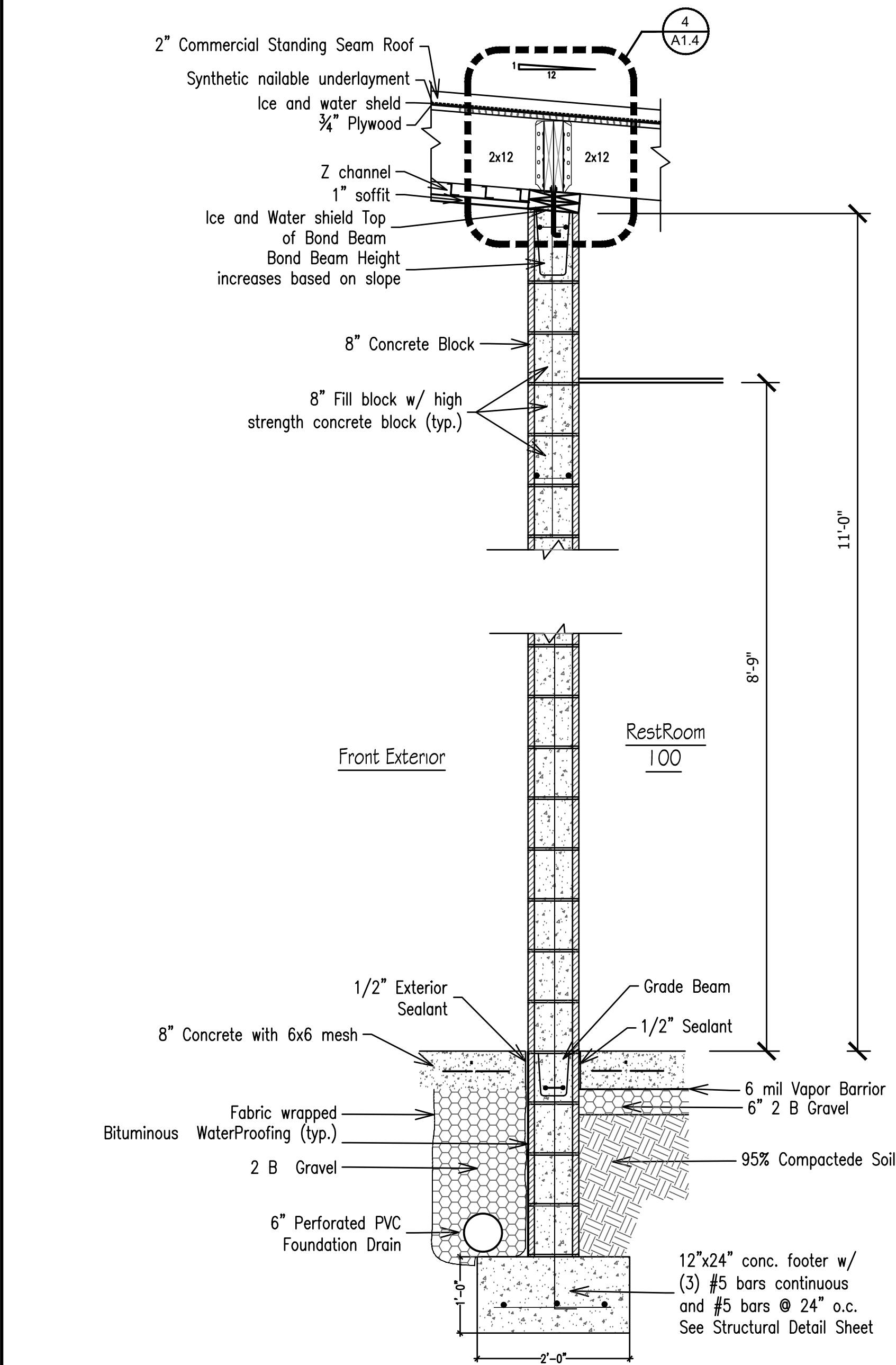
- S-32/ Light Tropic yellow
- S-29/ Deep Spring Green
- D-211/ Midnight Blue
- S-4/ Light Frost Gray



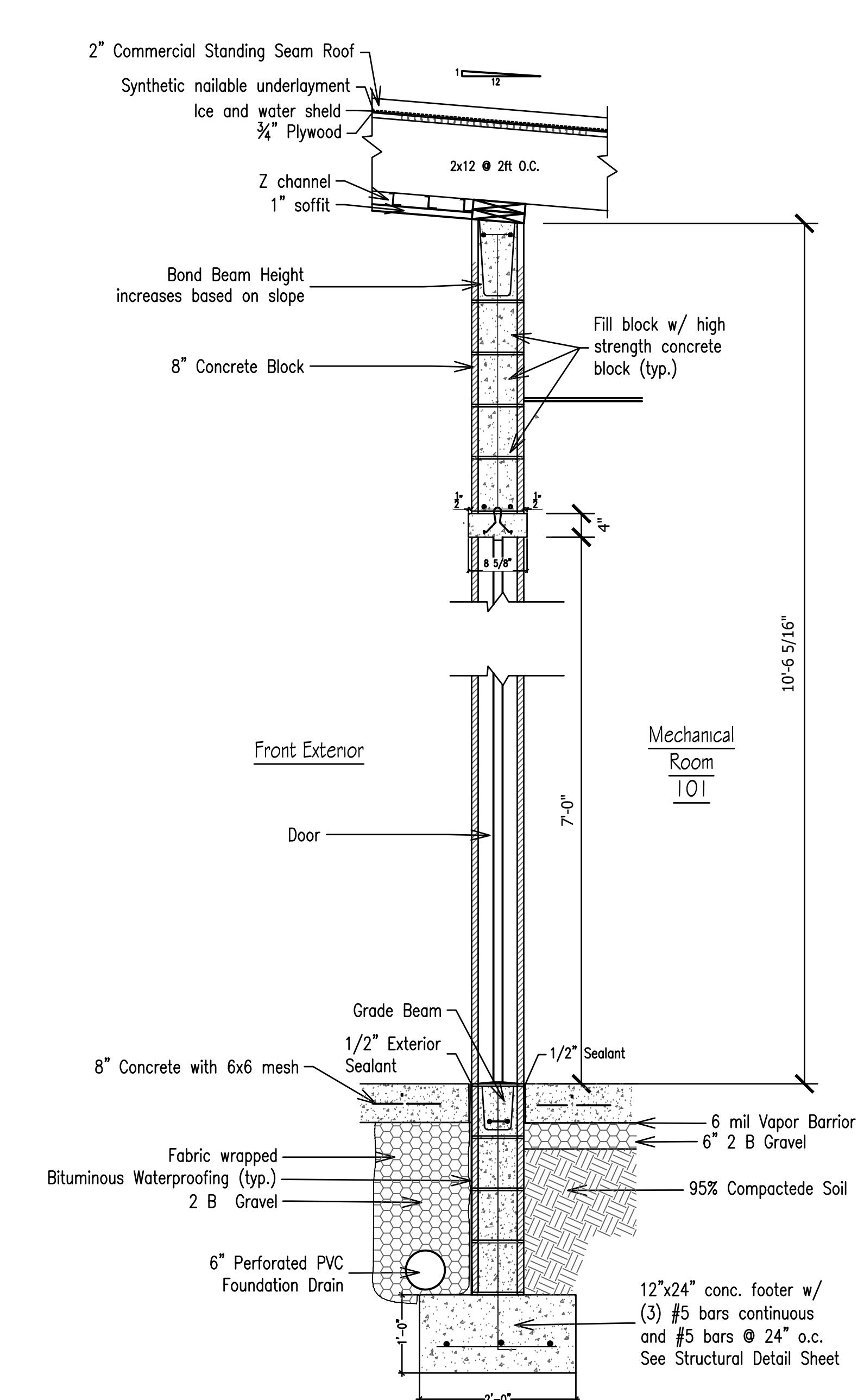
DRAWINGS & SPECIFICATIONS AS INSTRUMENTS OF SERVICE. THE ARCHITECT ASSUMES NO LIABILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED BY OTHERS. THE ARCHITECT IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED BY OTHERS. THE ARCHITECT IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED BY OTHERS. THE ARCHITECT IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED BY OTHERS.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

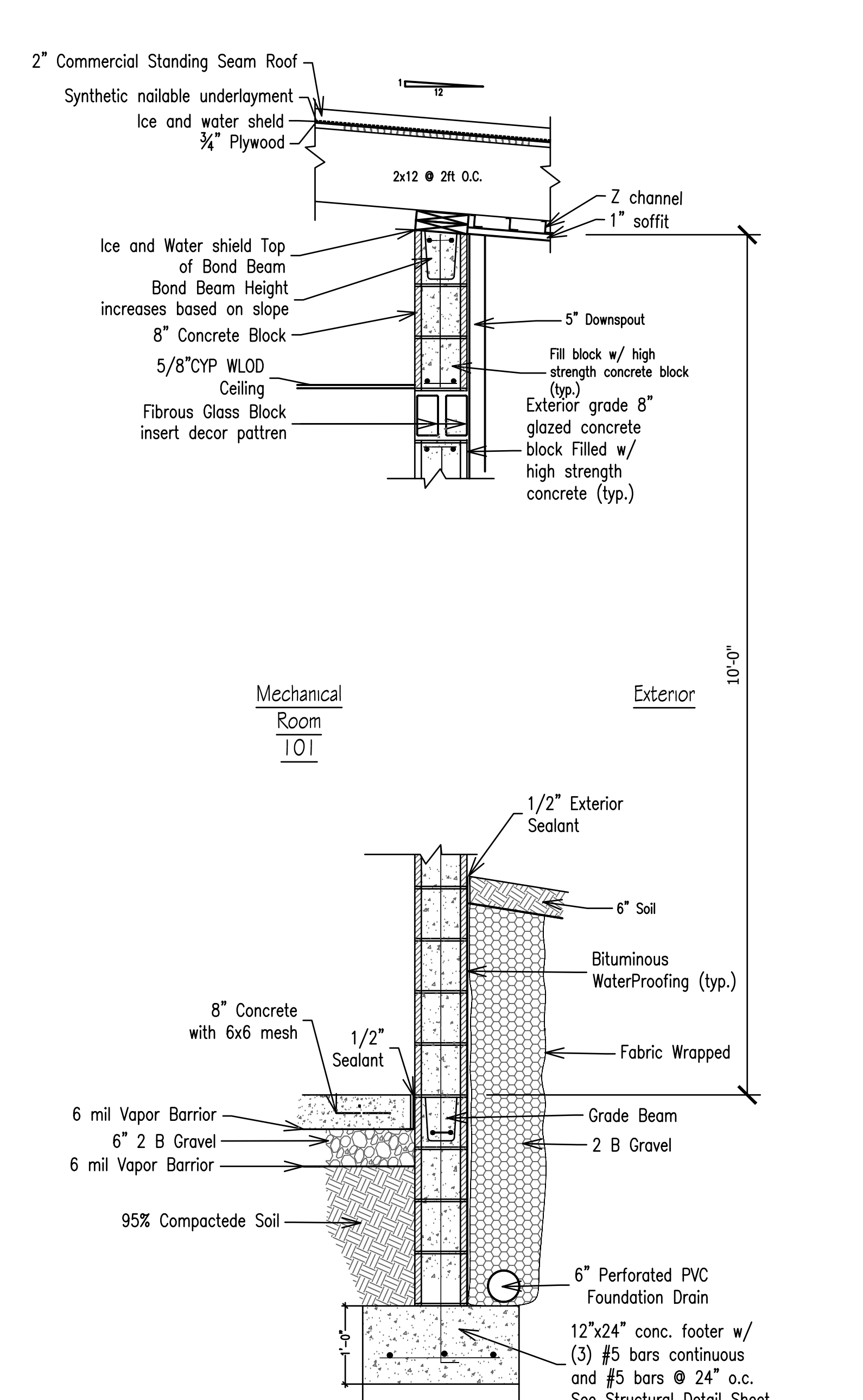
REVISIONS		DRAWN BY	
06-27-2026	JAG	07-31-2026	SBT
07-31-2026	REVIS	07-31-2026	DATE ISSUED
07-31-2026	REVIS	07-31-2026	DATE PRINTED
EXTERIOR ELEVATIONS		HACP NVH - Family Recreational Area 525 Mt Pleasant Road, Pittsburgh, PA 15214	
SHEET NUMBER:		A1.3	



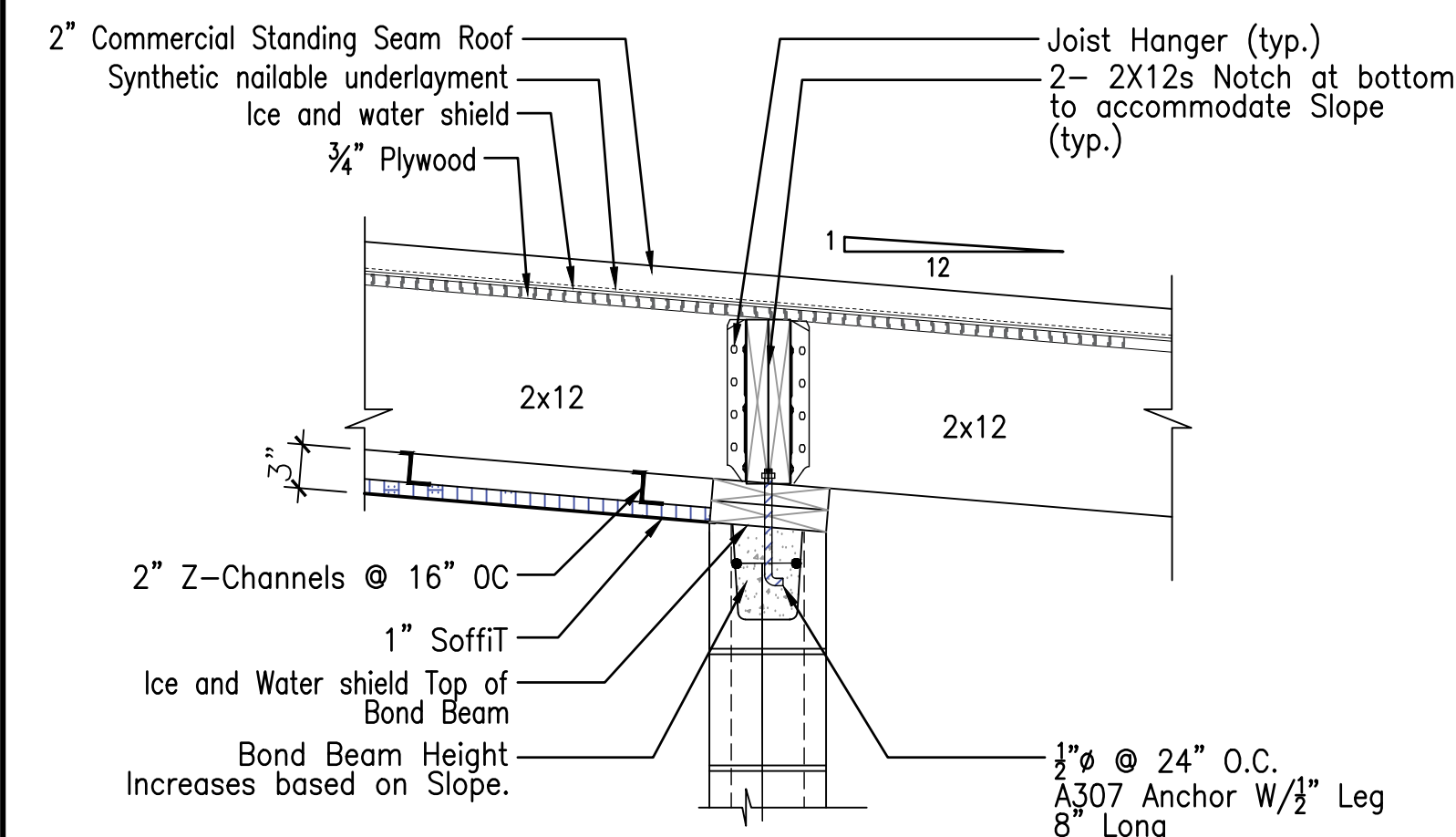
1 Front Wall Section
A1.4 SCALE: 3/4" = 1'-0"



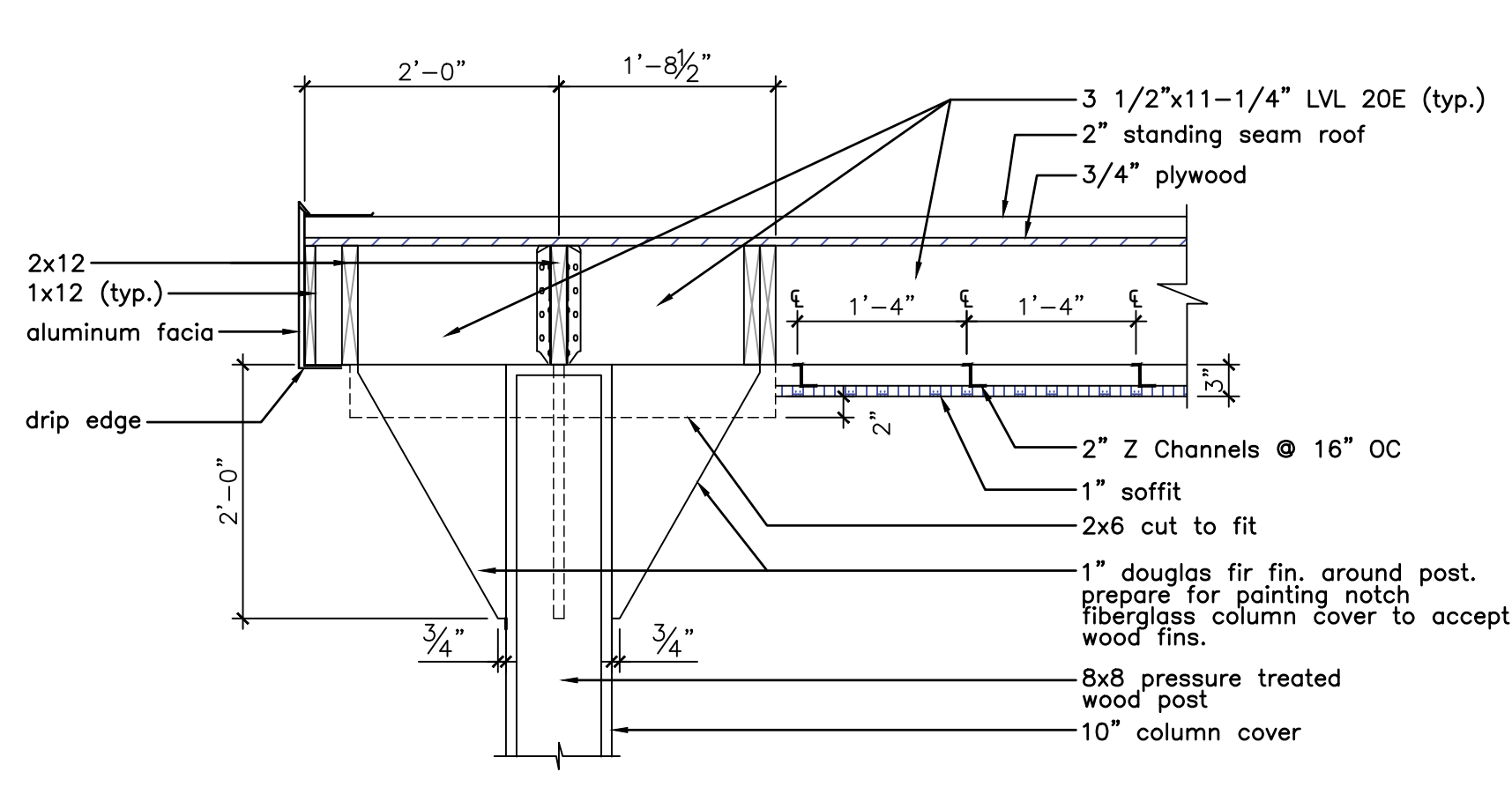
2 Mechanical Room Wall Section
A1.4 SCALE: 3/4" = 1'-0"



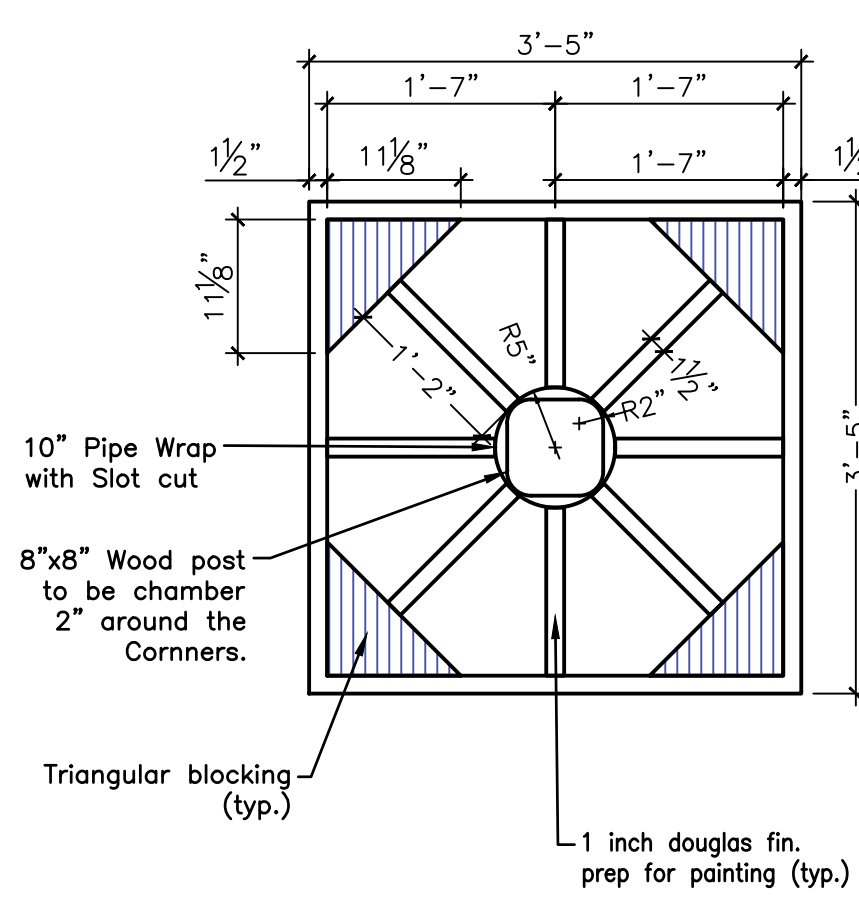
3 Rear Wall Section
A1.4 SCALE: 3/4" = 1'-0"



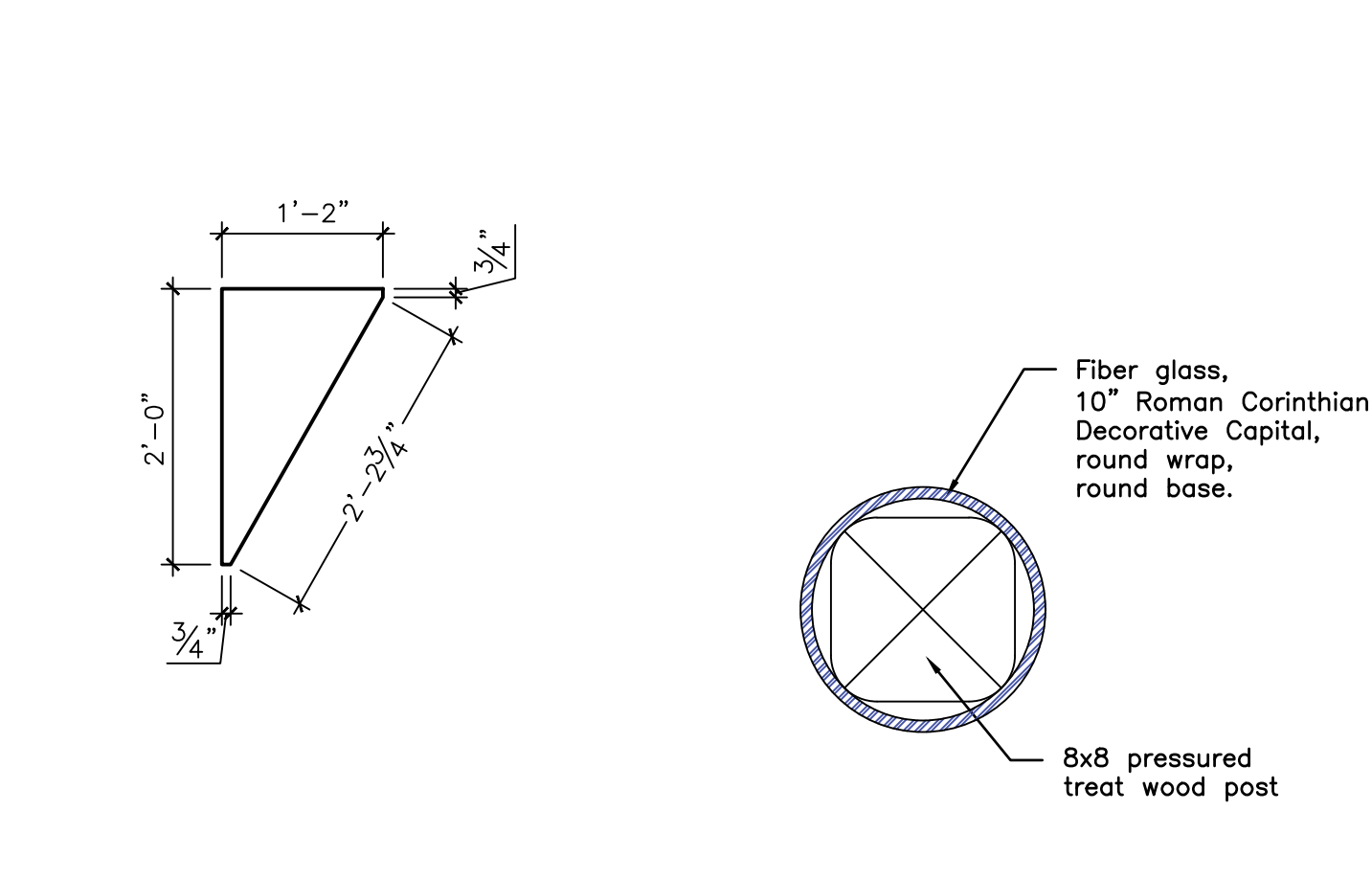
4 Enlarged Detail
A1.4 SCALE: 1" = 1'-0"



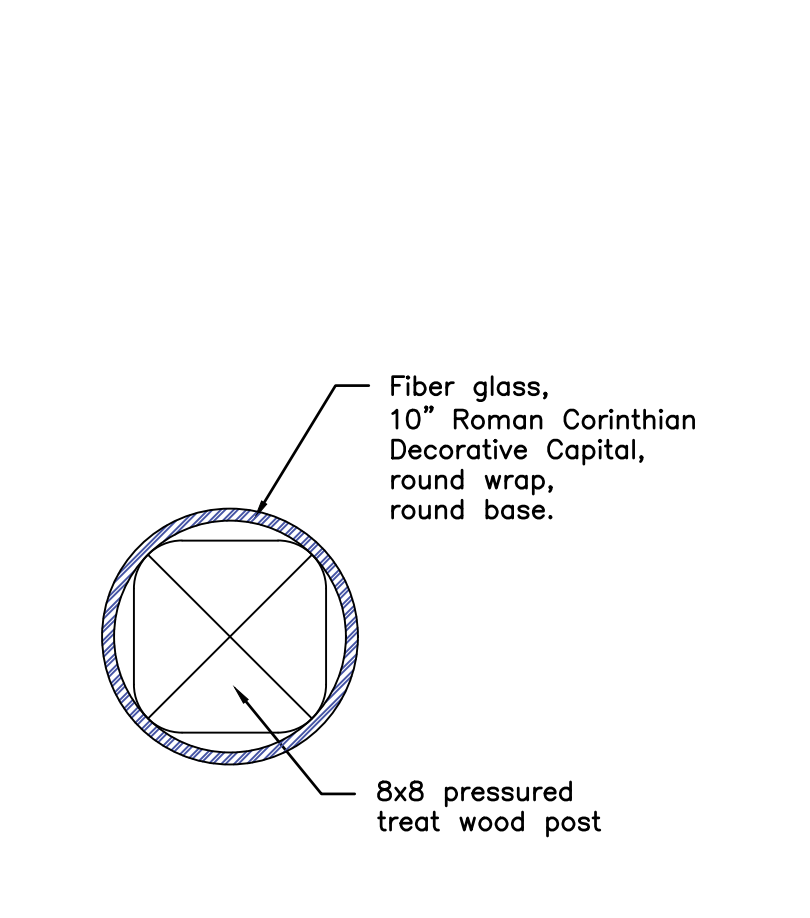
5 Enlarged Capital Detail
A1.4 SCALE: 3/4" = 1'-0"



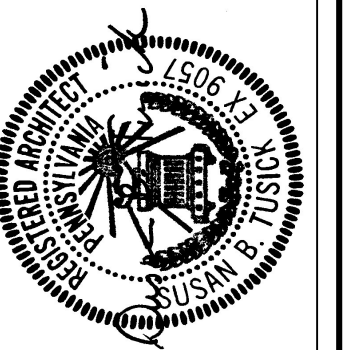
6 Enlarged Capital Top Detail
A1.4 SCALE: 3/4" = 1'-0"



7 Enlarged Fin Detail
A1.4 SCALE: 3/4" = 1'-0"



8 Column Round Wrap Detail
A1.4 SCALE: 1-1/2" = 1'-0"



DRAWINGS & SPECIFICATIONS AS INSTRUMENTS OF SERVICE. ANY AND ALL DIMENSIONS, MATERIALS, METHODS, OR OTHERS, EXCEPT BY AGREEMENT IN WRITING WITH APPROPRIATE PROJECTS, ARE NOT TO BE USED ON EXTENSIONS OF THE PROJECT OR OTHER PROJECTS. THE ARCHITECT ASSUMES NO RESPONSIBILITY FOR CONSTRUCTION OF THE PROJECT OR OTHER PROJECTS. THE ARCHITECT ASSUMES NO RESPONSIBILITY FOR CONSTRUCTION OF THE PROJECT OR OTHER PROJECTS. THE ARCHITECT ASSUMES NO RESPONSIBILITY FOR CONSTRUCTION OF THE PROJECT OR OTHER PROJECTS.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

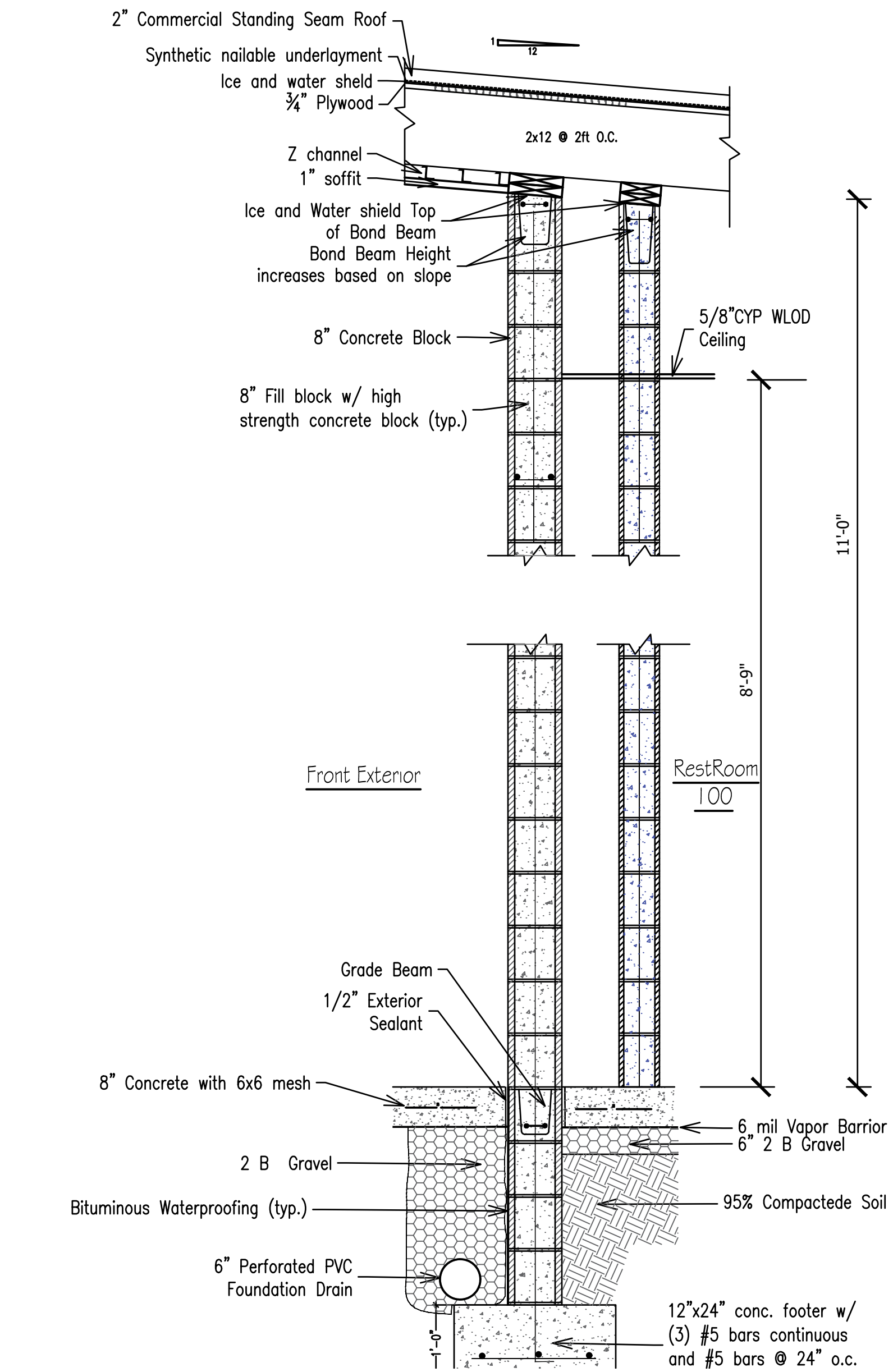
REVISIONS	DRAWN BY	CHECKED BY	DATE ISSUED	DATE PRINTED
	JAG	SBT	07/31/26	07/31/26

WALL SECTION
HAOP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214

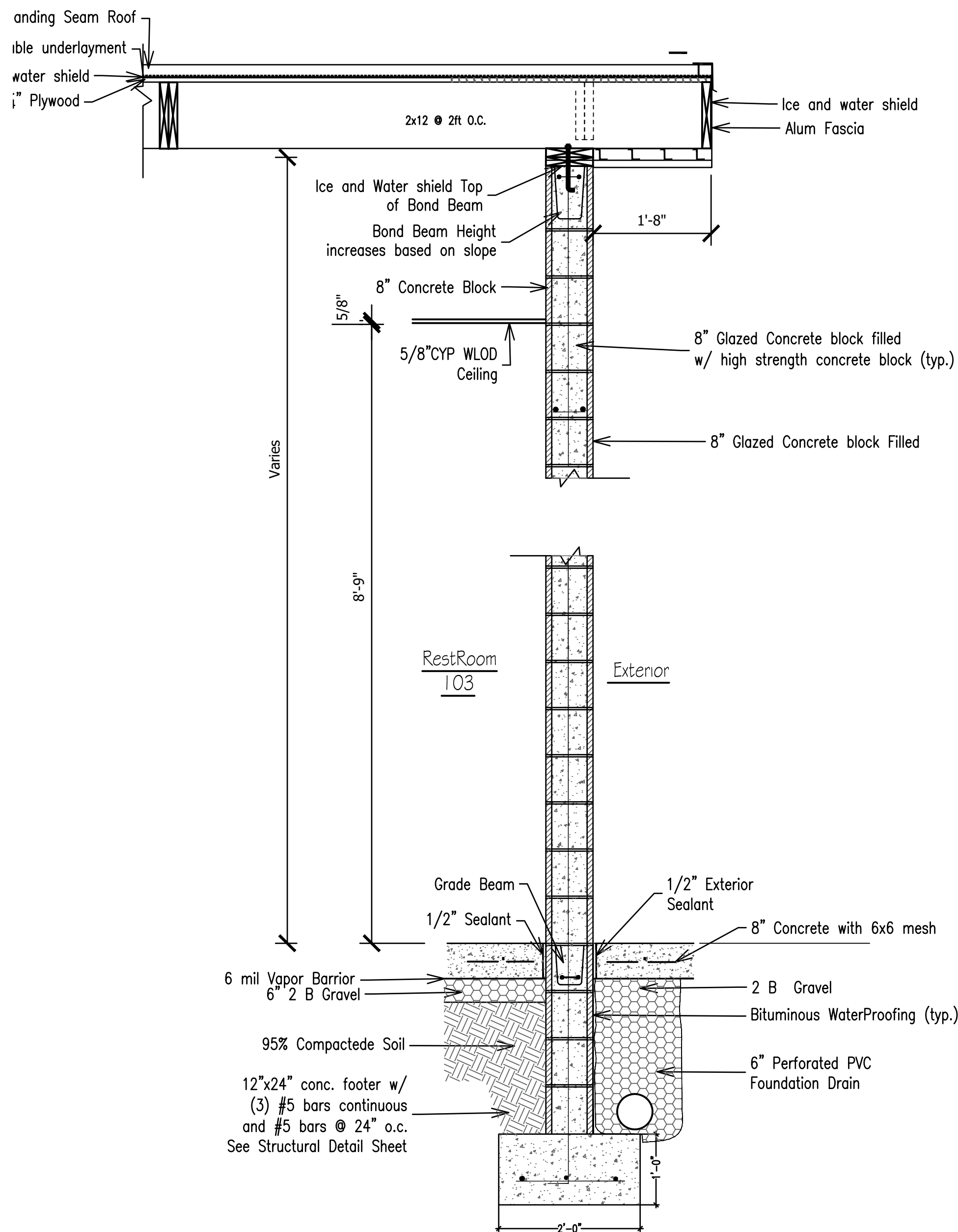
SHEET NUMBER:

A1.4

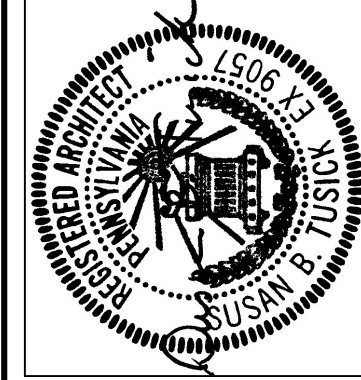
T:\0.1 Projects\03.1 Housing Authority\2026 HACP NVH Recreation Area (Splash park)\08.0 Construction Documents\26-07-31 Final Drawings\26-07-26- NVH-Splash Park_Arch_Eng_Full Set\26-07-30- NVH-Splash Park_Arch_Eng_Full



1 Front Wall Section
A1.5 SCALE: 3/4" = 1'-0"



2 Right Wall Section
A1.5 SCALE: 3/4" = 1'-0"



DRAWINGS & SPECIFICATIONS AS INSTRUMENTS OF SERVICE. ANY AND ALL DIMENSIONS SHOWN ON THESE DRAWINGS ARE NOT TO BE USED ON EXTENSIONS OF THE PROJECT OR OTHER PROJECTS EXCEPT BY AGREEMENT IN WRITING WITH APPROPRIATE AUTHORITIES. THE ARCHITECT ASSUMES NO RESPONSIBILITY FOR CONSTRUCTION METHODS, MATERIALS, OR PROGRAMS IN CONSTRUCTION WITH THE PROJECT.

© Tusick & Associates Architects, Inc.

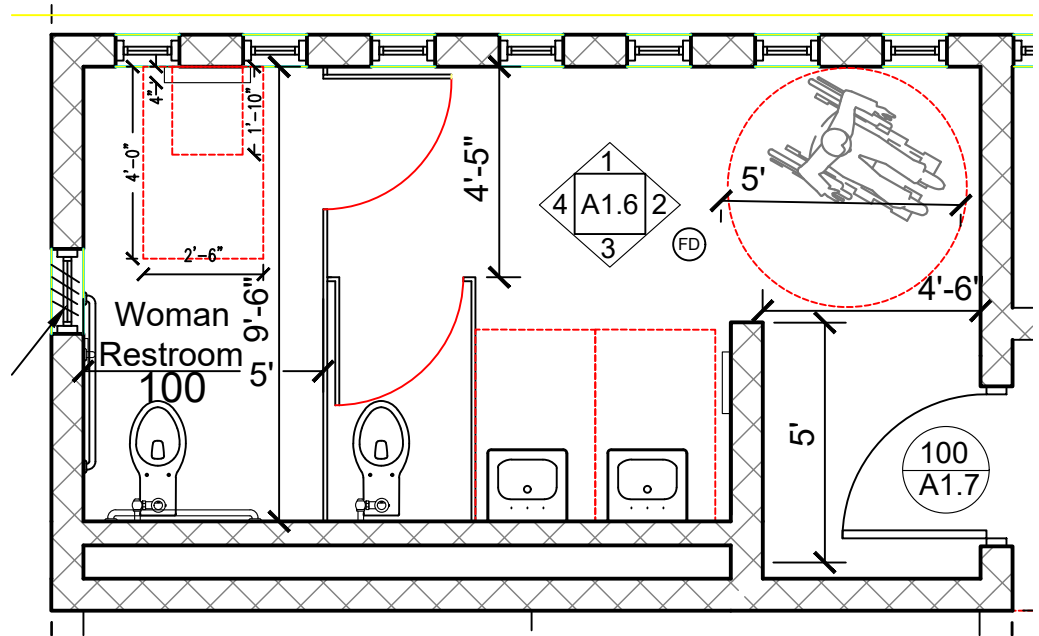
TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS	
DRAWN BY	JAG
CHECKED BY	SBT
DATE ISSUED	07/31/26
DATE PRINTED	07/31/26

WALL SECTIONS
HACP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214

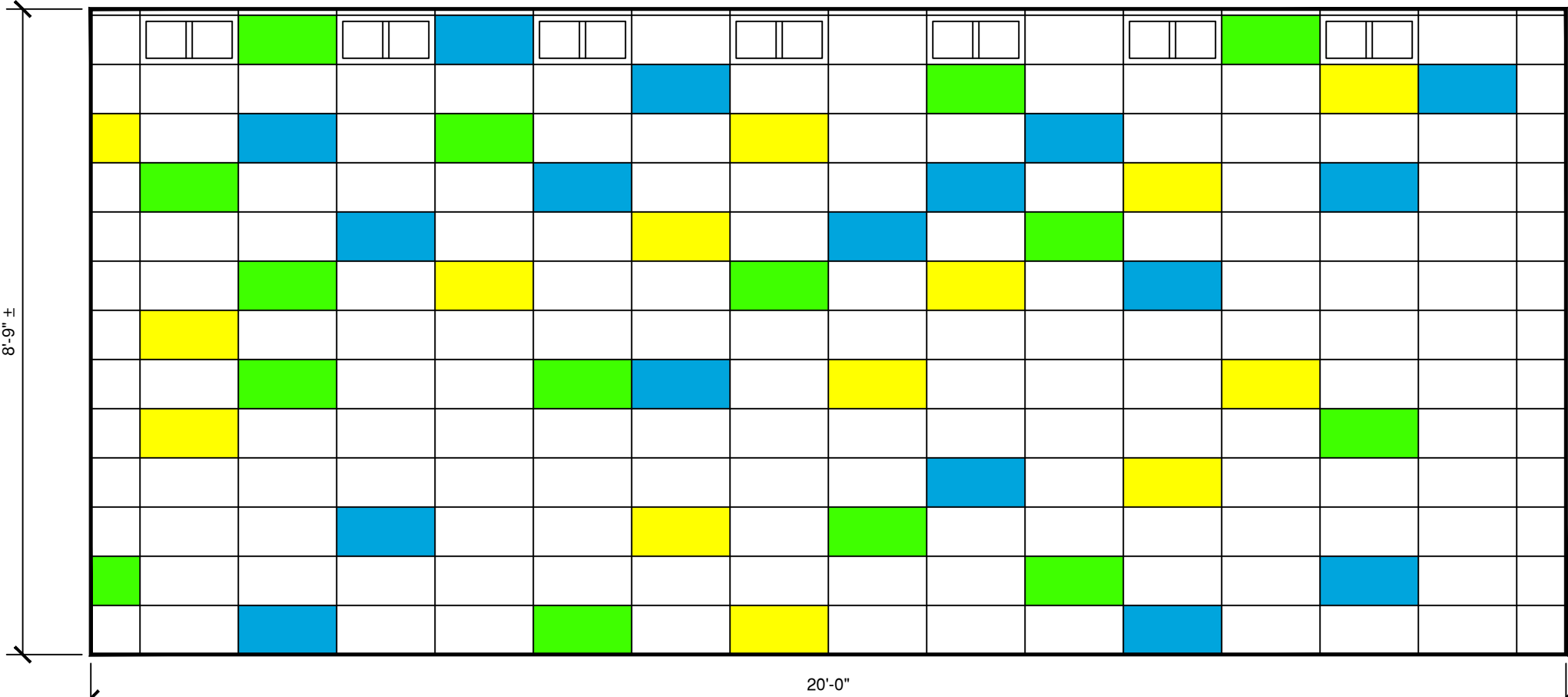
SHEET NUMBER:

A1.5



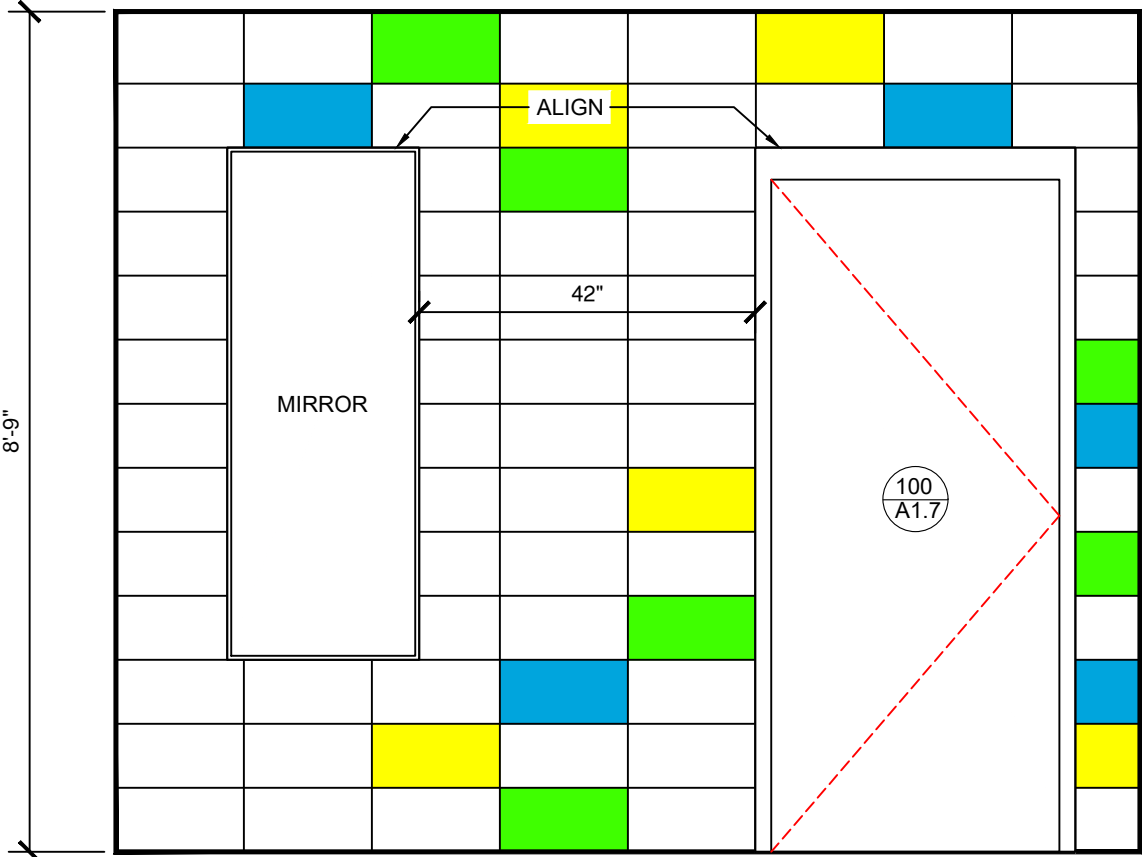
WOMENS RESTROOM FLOOR PLAN

SCALE: 1/4" = 1'-0"



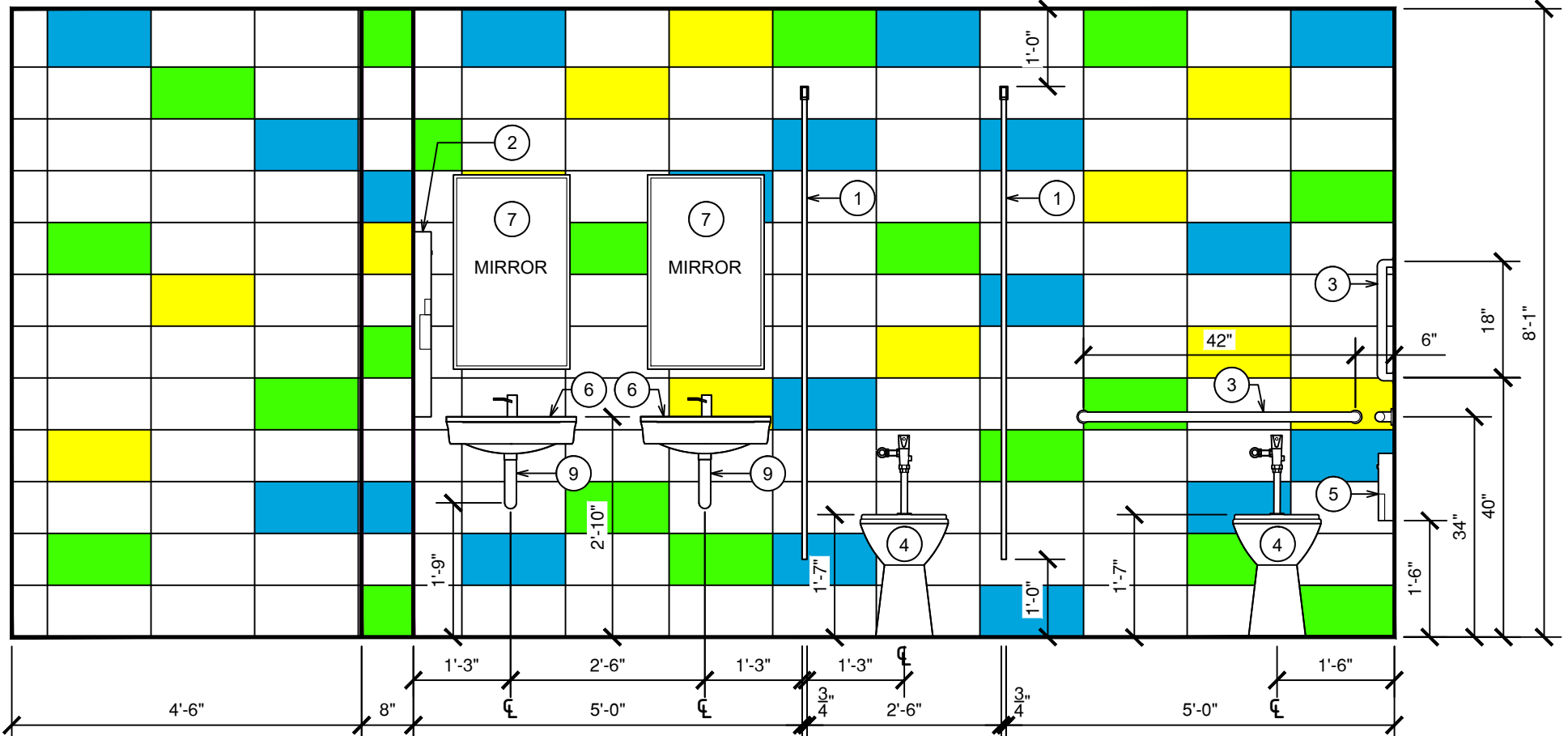
WOMEN'S RESTROOM ELEVATION

SCALE: 1/2" = 1'-0"



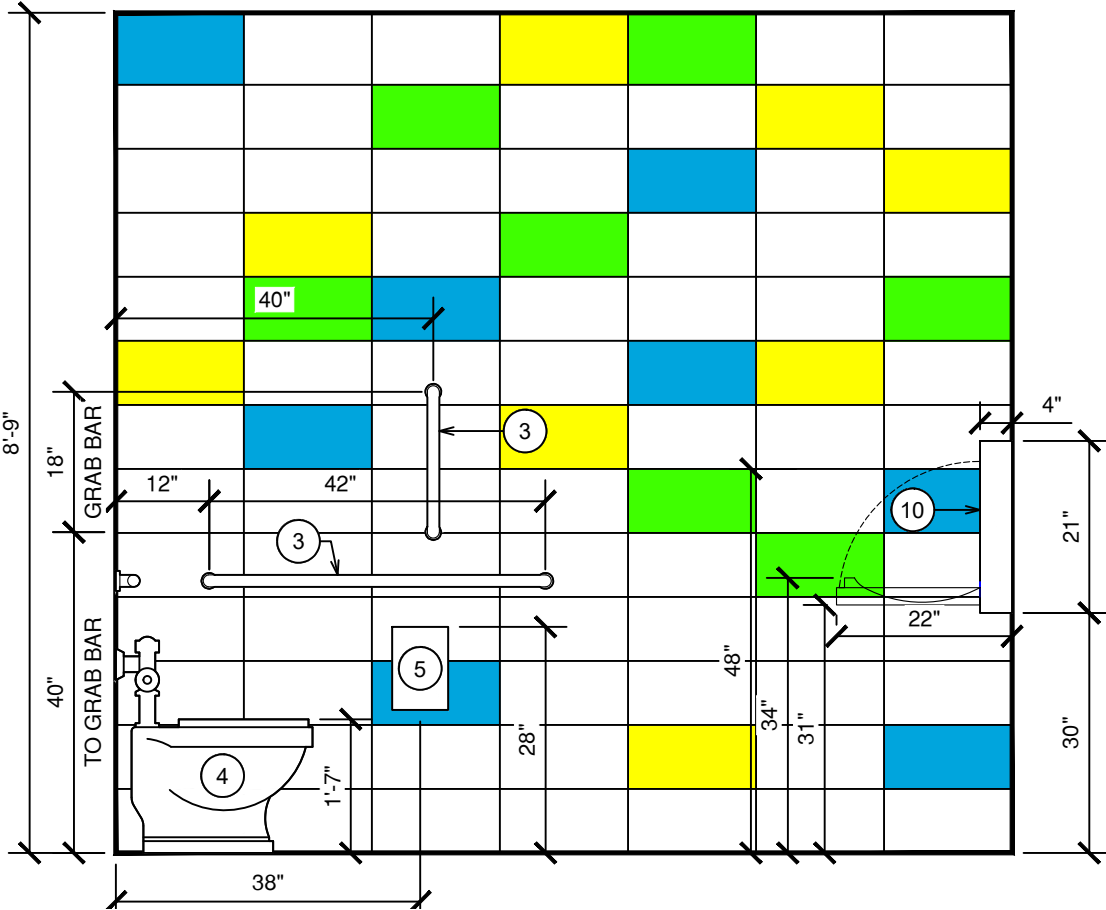
WOMEN'S RESTROOM ELEVATION

SCALE: 1/2" = 1'-0"



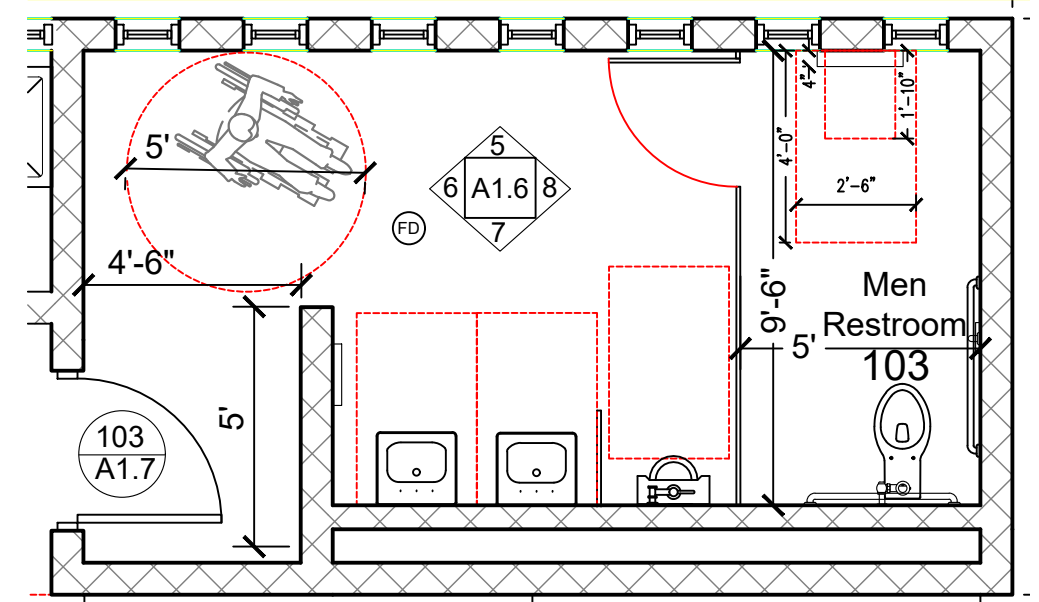
WOMEN'S RESTROOM ELEVATION

SCALE: 1/2" = 1'-0"



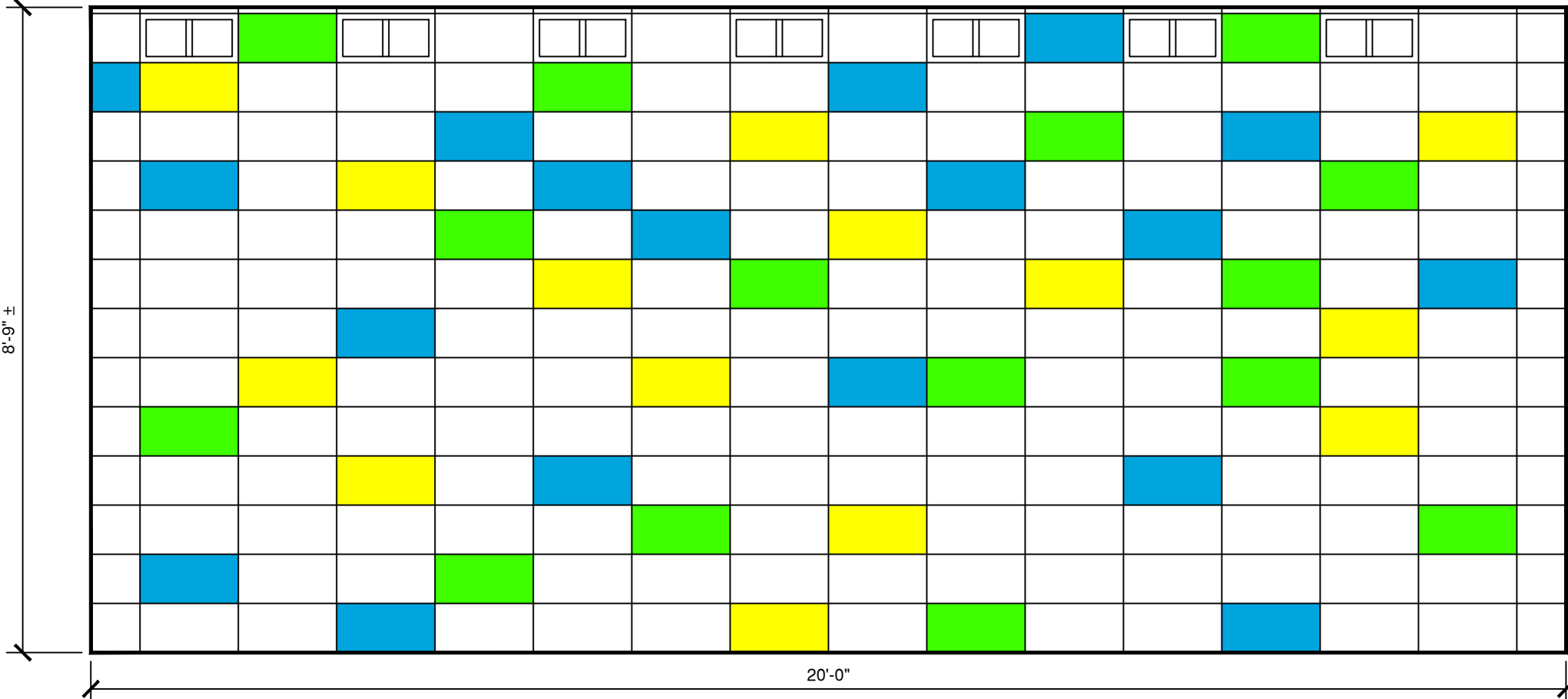
WOMEN'S RESTROOM ELEVATION

SCALE: 1/2" = 1'-0"



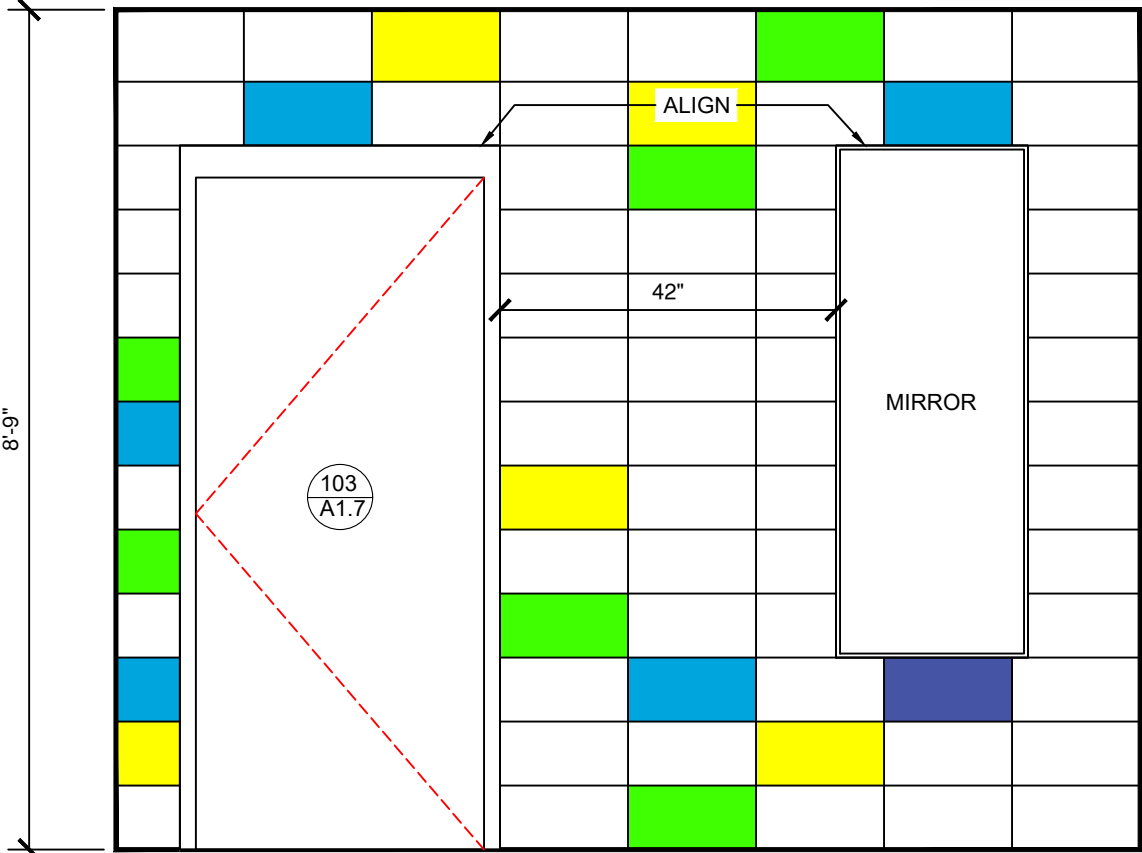
MENS RESTROOM FLOOR PLAN

SCALE: 1/4" = 1'-0"



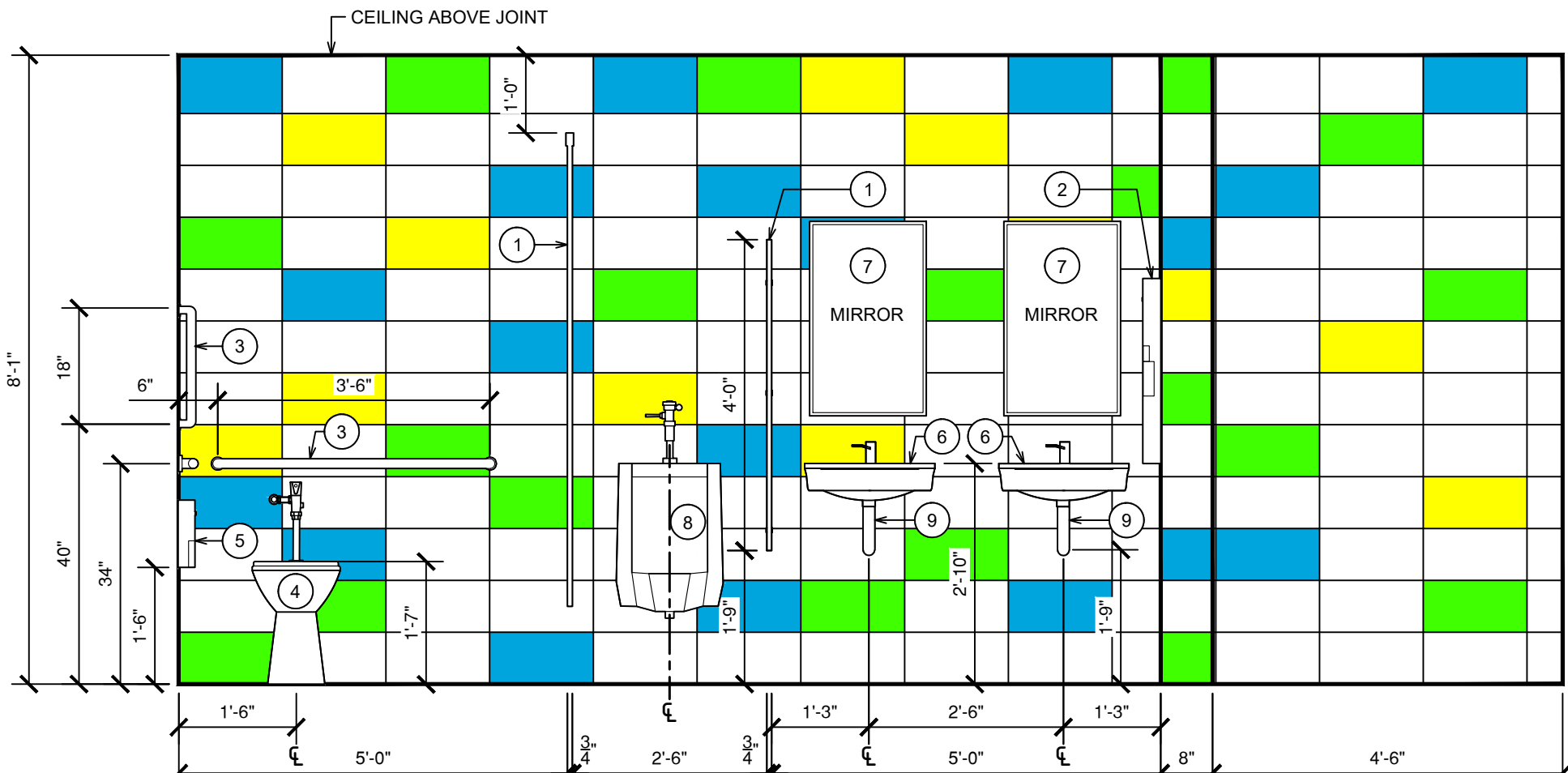
MEN'S RESTROOM ELEVATION

SCALE: 1/2" = 1'-0"



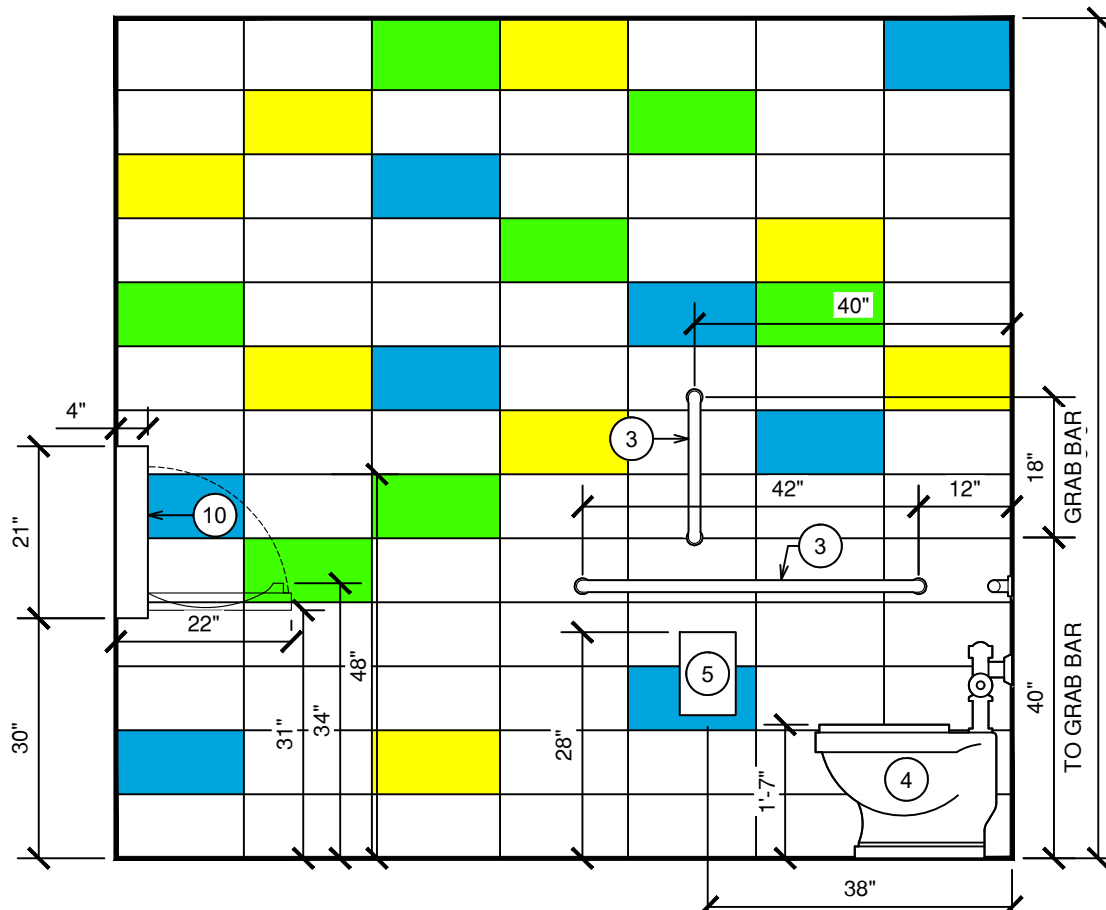
MEN'S RESTROOM ELEVATION

SCALE: 1/2" = 1'-0"



MEN'S RESTROOM ELEVATION

SCALE: 1/2" = 1'-0"



MEN'S RESTROOM ELEVATION

SCALE: 1/2" = 1'-0"

Construction Notes

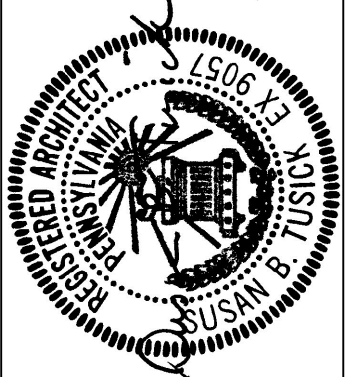
General Notes

- All construction shall comply with all Local, Commonwealth, and Federal regulations.
- Contractor shall notify the Architect before construction begins.
- Contractor shall comply with the notes on the Cover Sheet (CS) that pertain to construction.
- For mechanical, electrical, and plumbing see applicable sheets in set.
- American Standard toilet with automatic flush - no handle: Selectronic Flushometer.

Specific Construction Restroom

- Install Toilet Partitions as per section 1021 13 Toilet Compartments White
- Install Wall Mount Folded Paper Towel Dispenser.
- Install handicapped, code compliant grab bars.
- Install One-Piece Toilet.
- Install Recessed Toilet Tissue Dispenser.
- Install Wall-Hung Sink.
- Install mirrors over sink on wall.
- Install Urinal.
- Wrap insulation around under lavatory pipes as per code.
- Install Baby changing station.

- S-32/ Light Tropic yellow
- S-29/ Deep Spring Green
- D-211/ Midnight Blue
- S-4/ Light Frost Gray



DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT. THE ARCHITECT SHALL BE RESPONSIBLE FOR CONFIRMING AND CORRELATING DIMENSIONS AT ALL TIMES. THE ARCHITECT SHALL BE RESPONSIBLE FOR 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

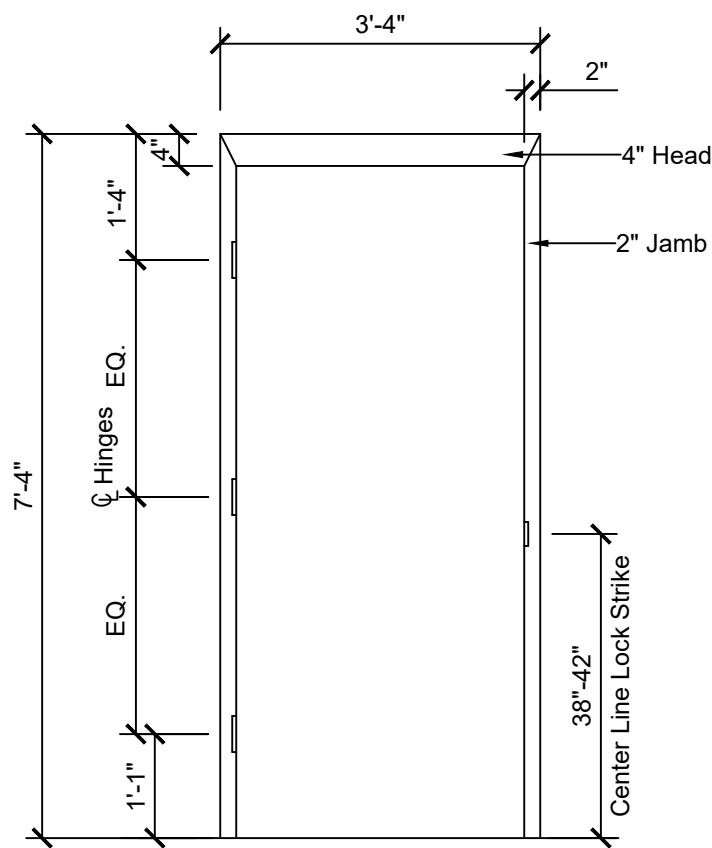
REVISIONS	
DRAWN BY	JAG
CHECKED BY	SBT
DATE ISSUED	07/31/26
DATE PRINTED	07/31/26

INTERIOR RESTROOM ELEVATIONS
HACP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214

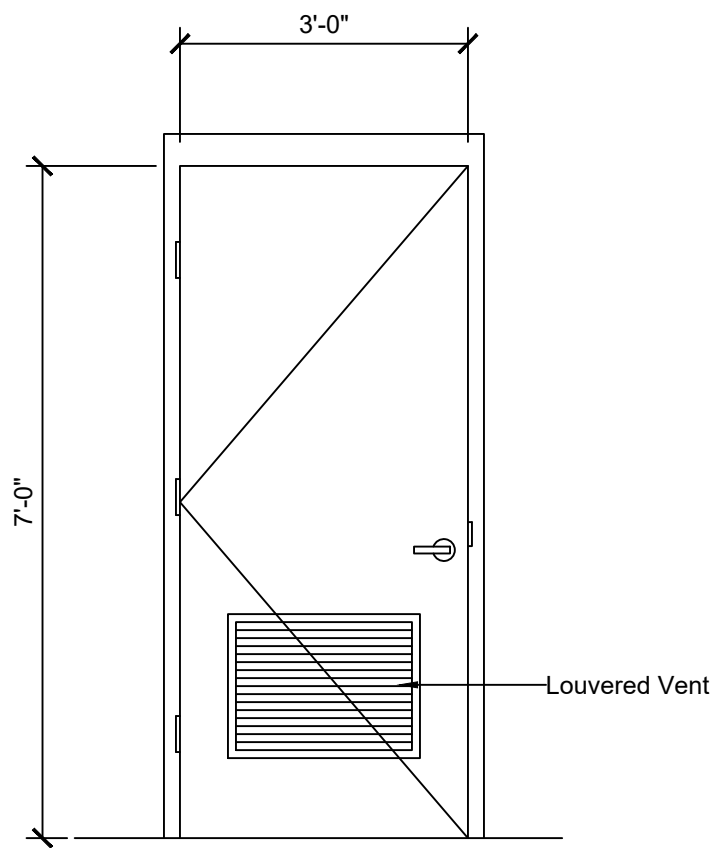
SHEET NUMBER:

A1.6

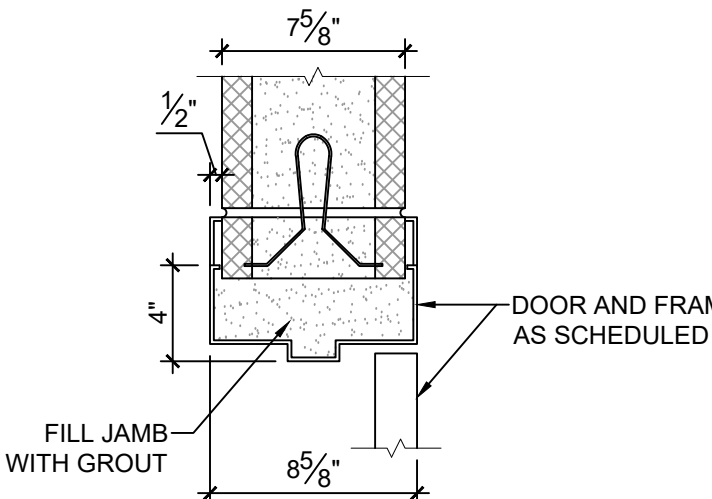
DOOR, FRAME AND HARDWARE SCHEDULE																													
DOOR NO.	LOCATION			QTY.	HAND	LABEL (1)	FRAMES							DOORS				HARDWARE										REMARKS	
	ROOM	FROM	TO				GAUGE (4)	ELEV. (6)	DEPTH	ANCHOR/ WALL TYPE	DETAILS				GAUGE (4)	TYPE (5)	DOOR OPENING		HDWE GROUP NO.	HINGES	LEVER LOCK	CLOSER	TRESHOLDS	KICKPLATE	LOCK FUNCTION	DOOR SWEEP /ALU/ Rubber			
											HEAD	JAMB	SILL	TYPE			WIDTH	HEIGHT											
100/ A1.7	WOMANS RESTROOM	EXTERIOR	INTERIOR	1	RHR	NR	16		5- 5/8"	LOCK-IN A	2/A1.4	1/A1.4	3/A1.1	HM	16	1	3'-0"	7'-0"	1	HAGER H-12848NRP	Falcon LM571-AG-Lever- 6 pin I/C	LCN H-11979SIL Heavy Duty PUSH-PULL 5LBS	sawcut and fillw/sealant	"ULINE H-11779 18" X 34"	Dormitory/Ex it Function	ULINE / H-11882 / 1"X 36"	Lever Lock-Restricted "F2" Keyway	Kickplate on both Sides of the Door.	
101 / A1.7	MECHANICAL ROOM	EXTERIOR	INTERIOR	1	LH	NR	16		5- 5/8"	LOCK-IN A	2/A1.4			HM	16	1	3'-0"	7'-0"	1	HAGER H-12848NRP	Falcon LM571-AG-Lever- 6 pin I/C	LCN H-11979SIL Heavy Duty PUSH-PULL 5LBS	ULINE / H-12778A	"ULINE H-11779 18" X 34"	UTILITY	ULINE / H-11882 / 1"X 36"	Lever Lock-Restricted "F2" Keyway		
102/ A1.7	JANITOR ROOM	EXTERIOR	INTERIOR	1	RHR	NR	16		5- 5/8"	LOCK-IN A	2/A1.4			HM	16	1	3'-0"	7'-0"	1	HAGER H-12848NRP	Falcon LM571-AG-Lever- 6 pin I/C	LCN H-11979SIL Heavy Duty PUSH-PULL 5LBS	ULINE / H-12778A	"ULINE H-11779 18" X 34"	UTILITY	ULINE / H-11882 / 1"X 36"	Lever Lock-Restricted "F2" Keyway		
103/ A1.7	MEN RESTROOM	EXTERIOR	INTERIOR	1	LHR	NR	16		5- 5/8"	LOCK-IN A	2/A1.4			HM	16	1	3'-0"	7'-0"	1	HAGER H-12848NRP	Falcon LM571-AG-Lever- 6 pin I/C	LCN H-11979SIL Heavy Duty PUSH-PULL 5LBS	sawcut and fillw/sealant	"ULINE H-11779 18" X 34"	Dormitory/Ex it Function	ULINE / H-11882 / 1"X 36"	Lever Lock-Restricted "F2" Keyway	Kickplate on both Sides of the Door.	



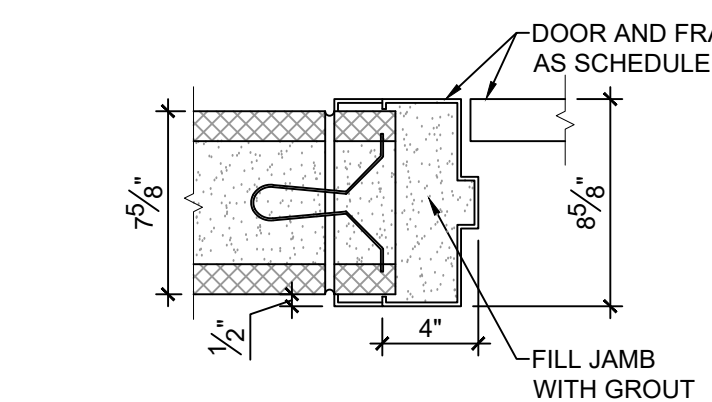
1
A1.7
DOOR FRAME DETAIL
SCALE: 1/2" = 1'-0"



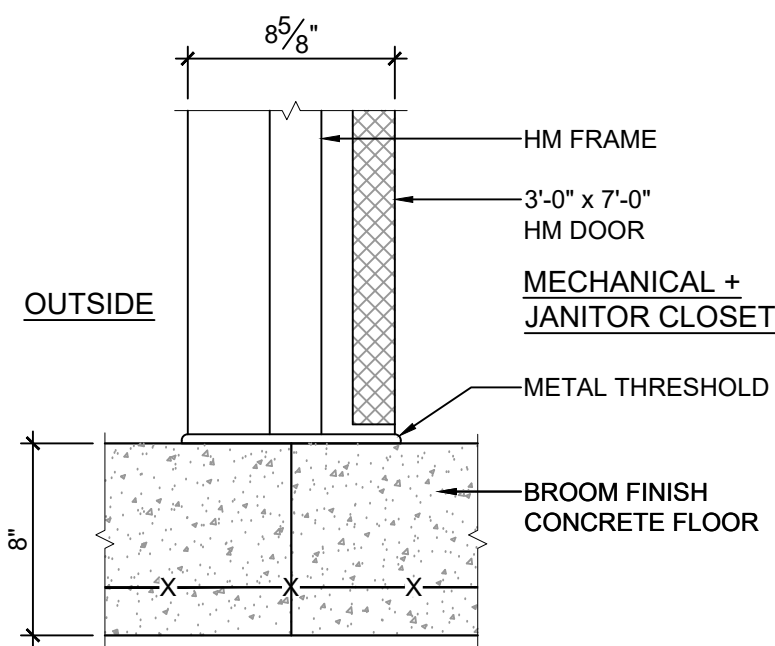
2
A1.7
DOOR TYPE
SCALE: 1/2" = 1'-0"



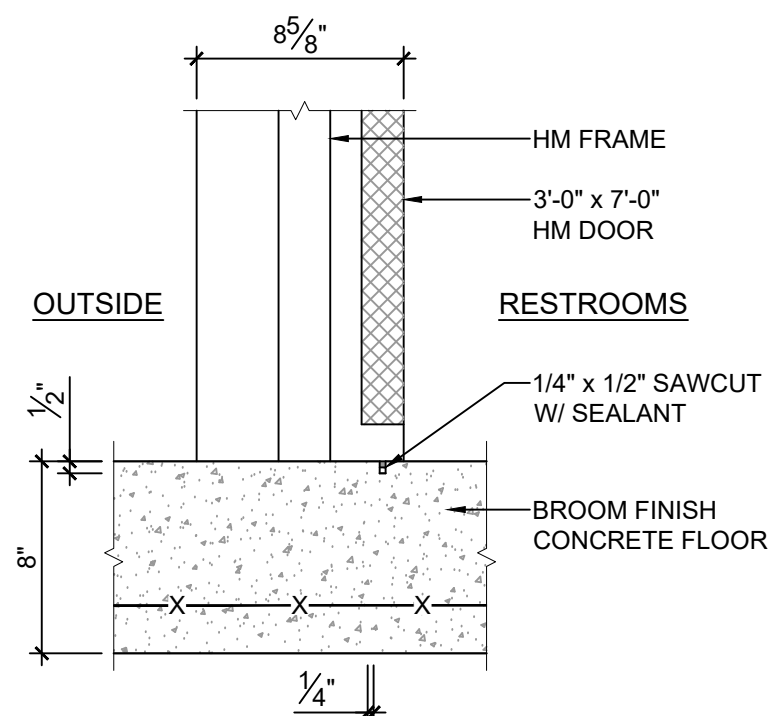
3
A1.7
DOOR HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



4
A1.7
DOOR JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



5
A1.7
DOOR THRESHOLD @ MECHANICAL ROOM AND JANITOR CLOSET
SCALE: 1 1/2" = 1'-0"



6
A1.7
DOOR THRESHOLD @ RESTROOMS
SCALE: 1 1/2" = 1'-0"

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
A1.7	20	2	Glass block	16" X 8"	8" X 8"	NA	1.96	2 Blocks per window

FINISH SCHEDULE LEGEND & NOTES			
FLOOR FINISHES	WALL CONSTRUCTION	CEILING CONSTRUCTION	REMARKS
CBF Concrete Broom Finish	CB Concrete Block	GBWV Water Resistant Gypsum Wallboard	Consult Specification
BASE FINISHES	WALL FINISHES	CEILING FINISHES	
NA	GB Glazed Concrete Block	PTD Painted	Consult Specification



DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. NO PARTS OF THESE DRAWINGS OR SPECIFICATIONS ARE TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT. THE ARCHITECT SHALL 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	
07-31-2026	REVISED

DRAWN BY	JAG
CHECKED BY	SBT
DATE ISSUED	07/31/26
DATE PRINTED	07/31/26

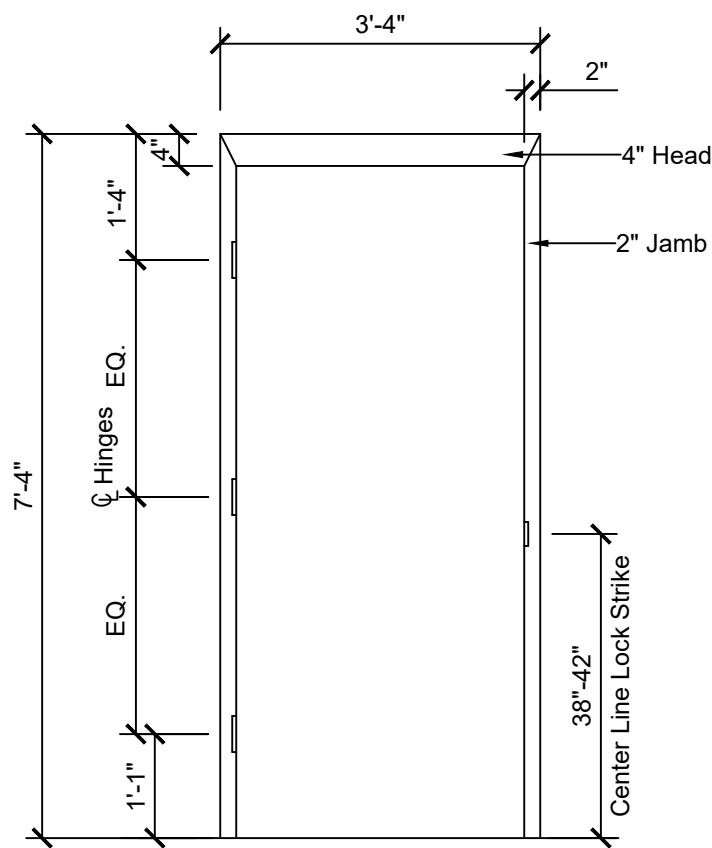
DOOR, WINDOW AND FINISH SCHEDULE

HACP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214

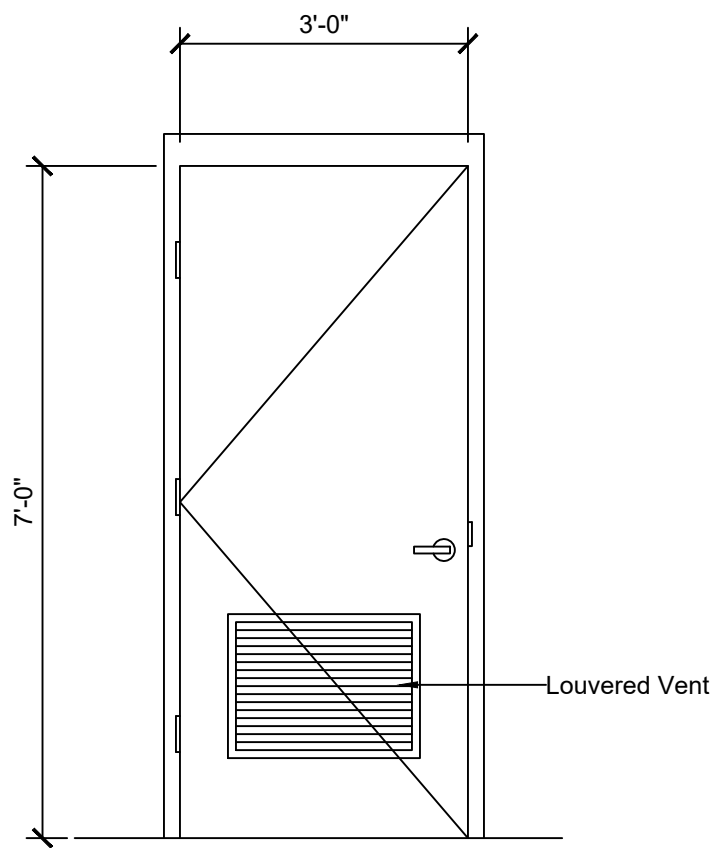
SHEET NUMBER:

A1.7

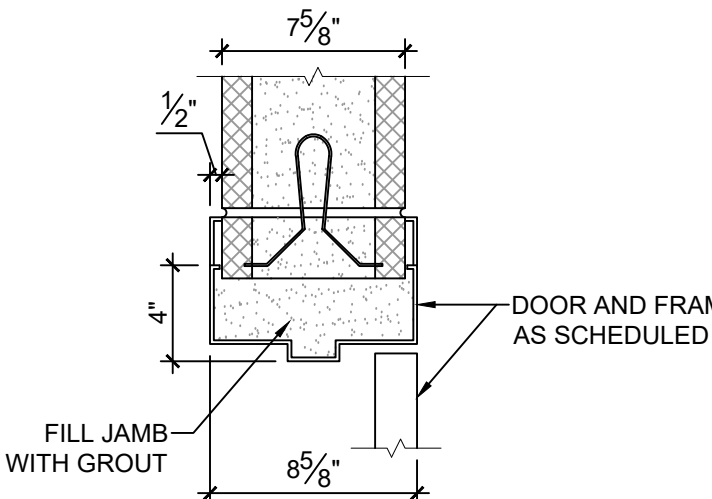
DOOR, FRAME AND HARDWARE SCHEDULE																													
DOOR NO.	LOCATION			QTY.	HAND	LABEL (1)	FRAMES							DOORS				HARDWARE										REMARKS	
	ROOM	FROM	TO				GAUGE (4)	ELEV. (6)	DEPTH	ANCHOR/ WALL TYPE	DETAILS				GAUGE (4)	TYPE (5)	DOOR OPENING		HDWE GROUP NO.	HINGES	LEVER LOCK	CLOSER	TRESHOLDS	KICKPLATE	LOCK FUNCTION	DOOR SWEEP /ALU/ Rubber			
											HEAD	JAMB	SILL	TYPE			WIDTH	HEIGHT											
100/ A1.7	WOMANS RESTROOM	EXTERIOR	INTERIOR	1	RHR	NR	16		5- 5/8"	LOCK-IN A	2/A1.4	1/A1.4	3/A1.1	HM	16	1	3'-0"	7'-0"	1	HAGER H-12848NRP	Falcon LM571-AG-Lever- 6 pin I/C	LCN H-11979SIL Heavy Duty PUSH-PULL 5LBS	sawcut and fillw/sealant	"ULINE H-11779 18" X 34"	Dormitory/Ex it Function	ULINE / H-11882 / 1"X 36"	Lever Lock-Restricted "F2" Keyway	Kickplate on both Sides of the Door.	
101 / A1.7	MECHANICAL ROOM	EXTERIOR	INTERIOR	1	LH	NR	16		5- 5/8"	LOCK-IN A	2/A1.4			HM	16	1	3'-0"	7'-0"	1	HAGER H-12848NRP	Falcon LM571-AG-Lever- 6 pin I/C	LCN H-11979SIL Heavy Duty PUSH-PULL 5LBS	ULINE / H-12778A	"ULINE H-11779 18" X 34"	UTILITY	ULINE / H-11882 / 1"X 36"	Lever Lock-Restricted "F2" Keyway		
102/ A1.7	JANITOR ROOM	EXTERIOR	INTERIOR	1	RHR	NR	16		5- 5/8"	LOCK-IN A	2/A1.4			HM	16	1	3'-0"	7'-0"	1	HAGER H-12848NRP	Falcon LM571-AG-Lever- 6 pin I/C	LCN H-11979SIL Heavy Duty PUSH-PULL 5LBS	ULINE / H-12778A	"ULINE H-11779 18" X 34"	UTILITY	ULINE / H-11882 / 1"X 36"	Lever Lock-Restricted "F2" Keyway		
103/ A1.7	MEN RESTROOM	EXTERIOR	INTERIOR	1	LHR	NR	16		5- 5/8"	LOCK-IN A	2/A1.4			HM	16	1	3'-0"	7'-0"	1	HAGER H-12848NRP	Falcon LM571-AG-Lever- 6 pin I/C	LCN H-11979SIL Heavy Duty PUSH-PULL 5LBS	sawcut and fillw/sealant	"ULINE H-11779 18" X 34"	Dormitory/Ex it Function	ULINE / H-11882 / 1"X 36"	Lever Lock-Restricted "F2" Keyway	Kickplate on both Sides of the Door.	



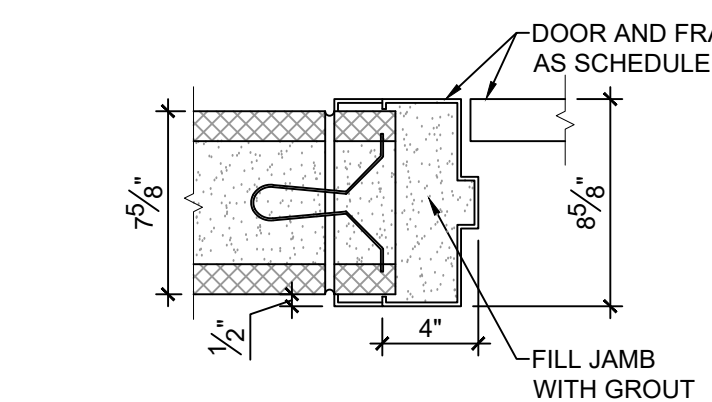
1
A1.7
DOOR FRAME DETAIL
SCALE: 1/2" = 1'-0"



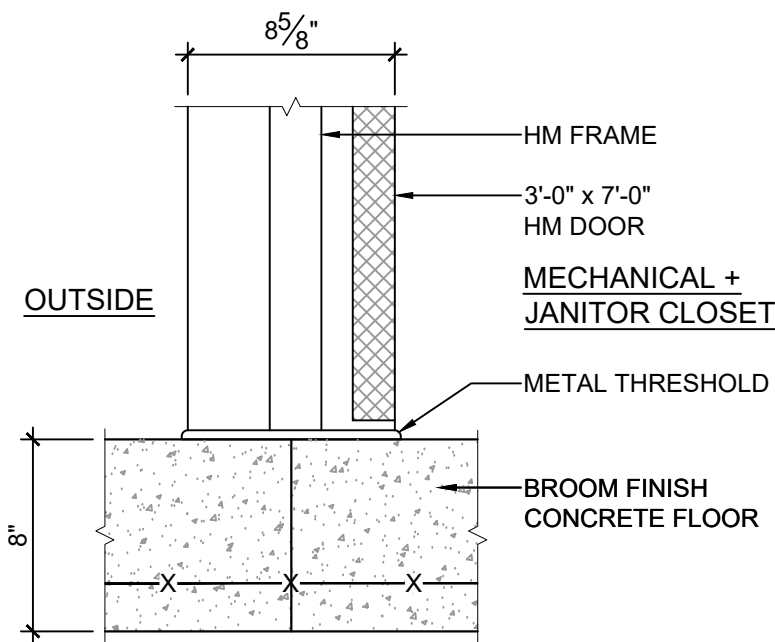
2
A1.7
DOOR TYPE
SCALE: 1/2" = 1'-0"



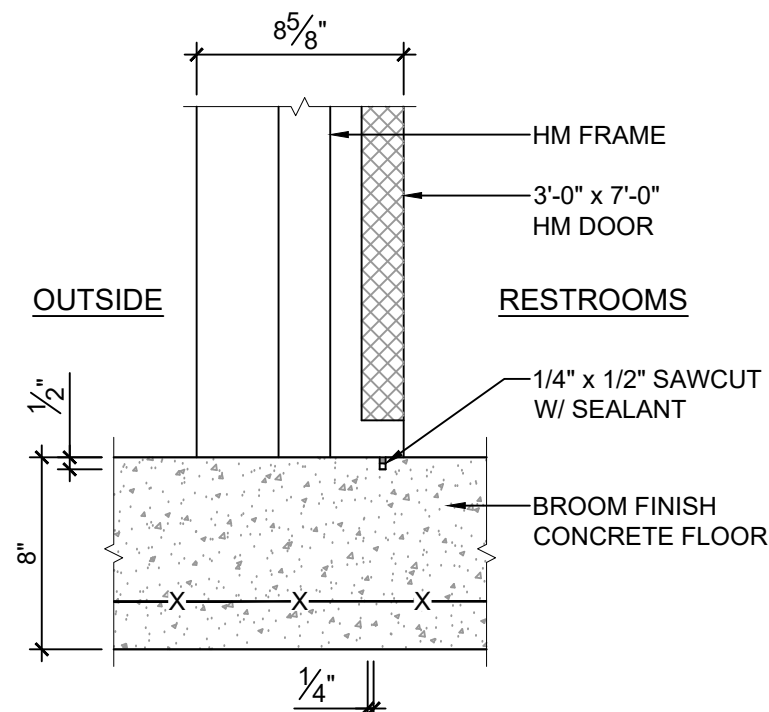
3
A1.7
DOOR HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



4
A1.7
DOOR JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



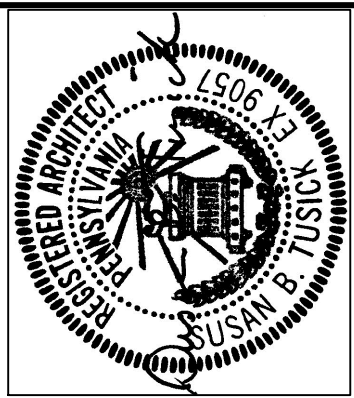
5
A1.7
DOOR THRESHOLD @ MECHANICAL ROOM AND JANITOR CLOSET
SCALE: 1 1/2" = 1'-0"



6
A1.7
DOOR THRESHOLD @ RESTROOMS
SCALE: 1 1/2" = 1'-0"

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
A1.7	20	2	Glass block	16" X 8"	8" X 8"	NA	1.96	2 Blocks per window

FINISH SCHEDULE LEGEND & NOTES			
FLOOR FINISHES	WALL CONSTRUCTION	CEILING CONSTRUCTION	REMARKS
CBF Concrete Broom Finish	CB Concrete Block	GBWV Water Resistant Gypsum Wallboard	Consult Specification
BASE FINISHES	WALL FINISHES	CEILING FINISHES	
NA	GB Glazed Concrete Block	PTD Painted	Consult Specification



DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. NO PARTS OF THESE DRAWINGS OR SPECIFICATIONS ARE TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT. THE ARCHITECT SHALL 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	
07-31-2026	REVISED

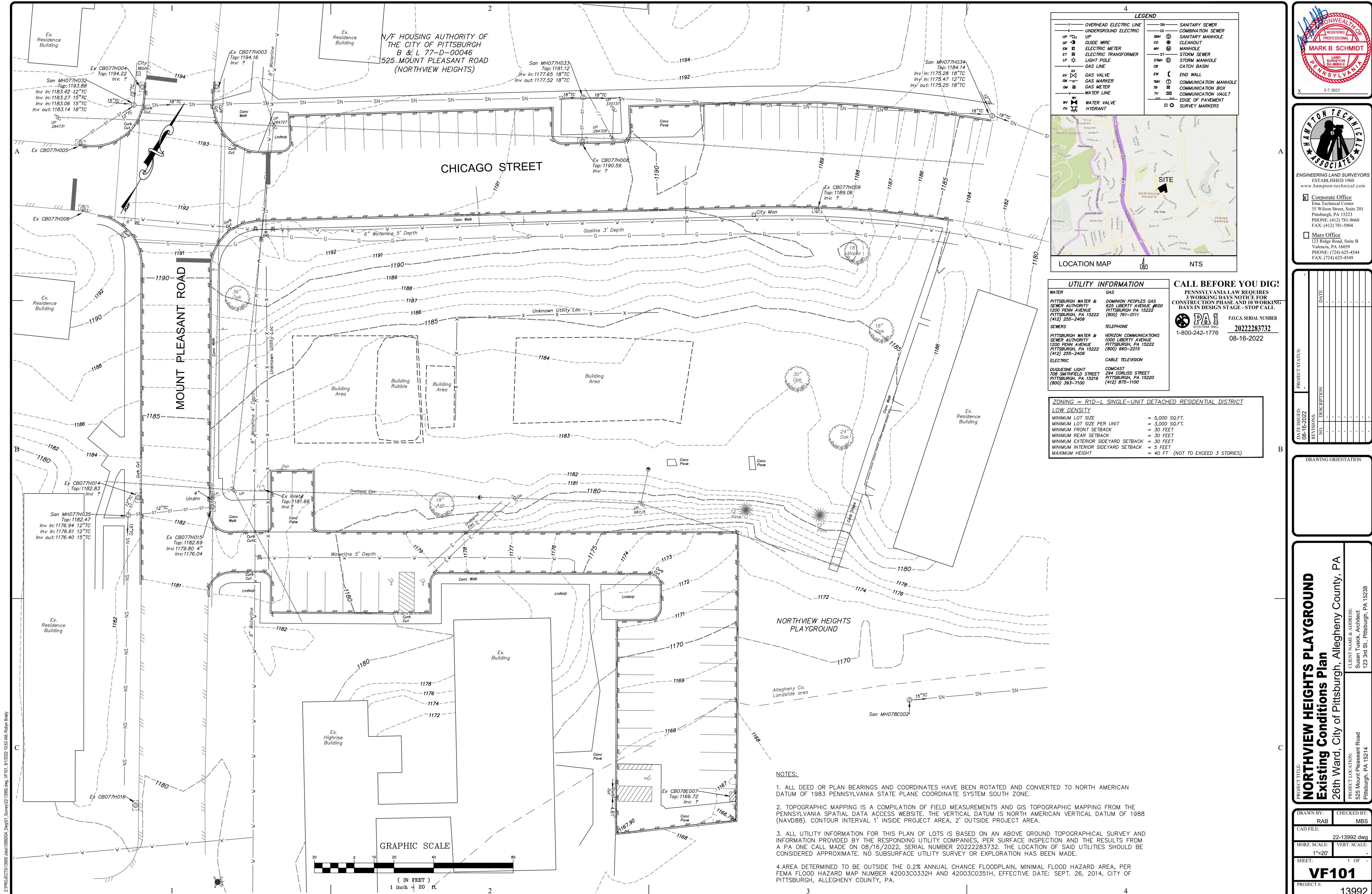
DRAWN BY	JAG
CHECKED BY	SBT
DATE ISSUED	07/31/26
DATE PRINTED	07/31/26

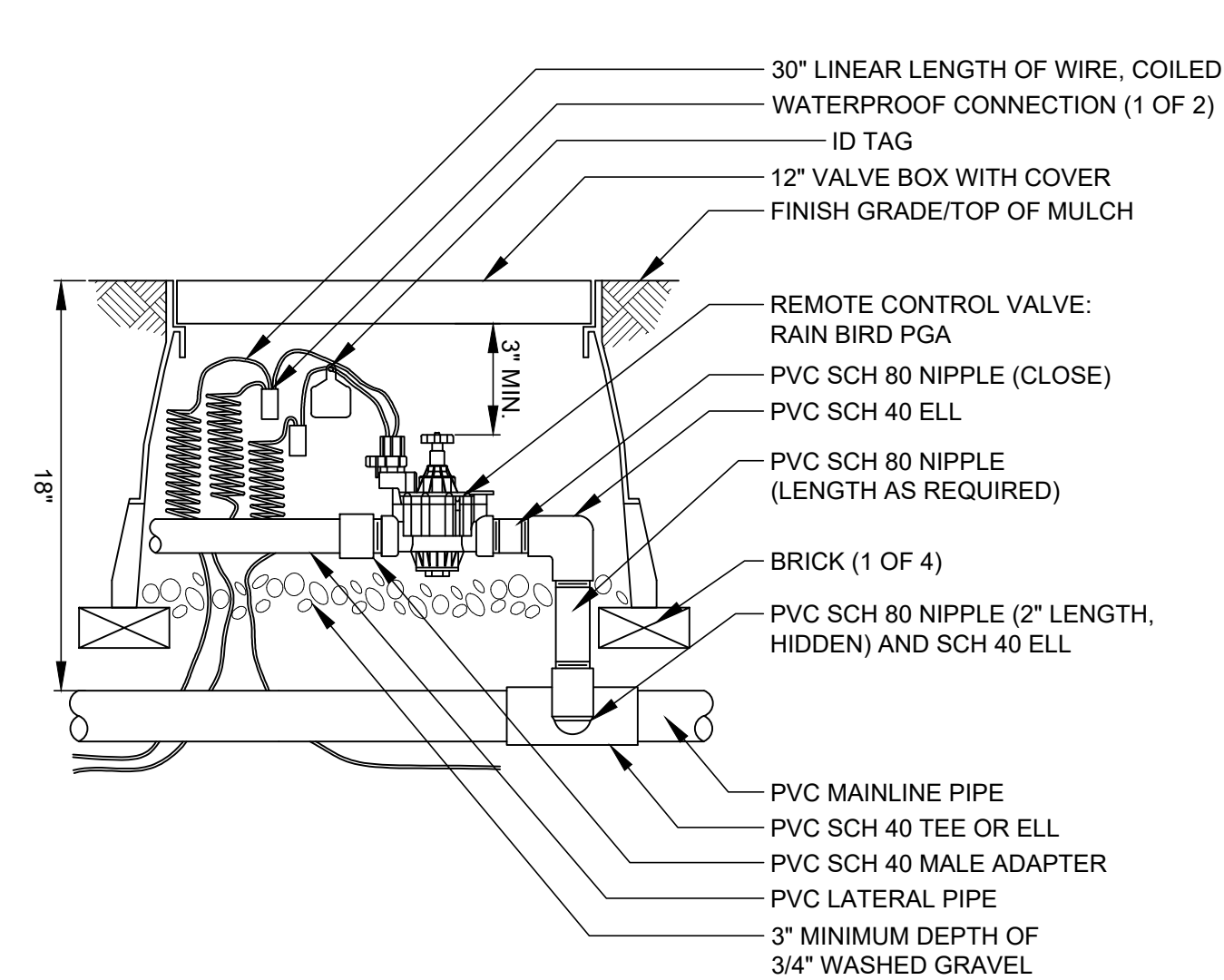
DOOR, WINDOW AND FINISH SCHEDULE
HACP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214

SHEET NUMBER:

A1.7

Z:\PROJECTS\13900 Jobs\13992.dwg, V:\01, 9/1/2022 10:53 AM, Robin Bedy

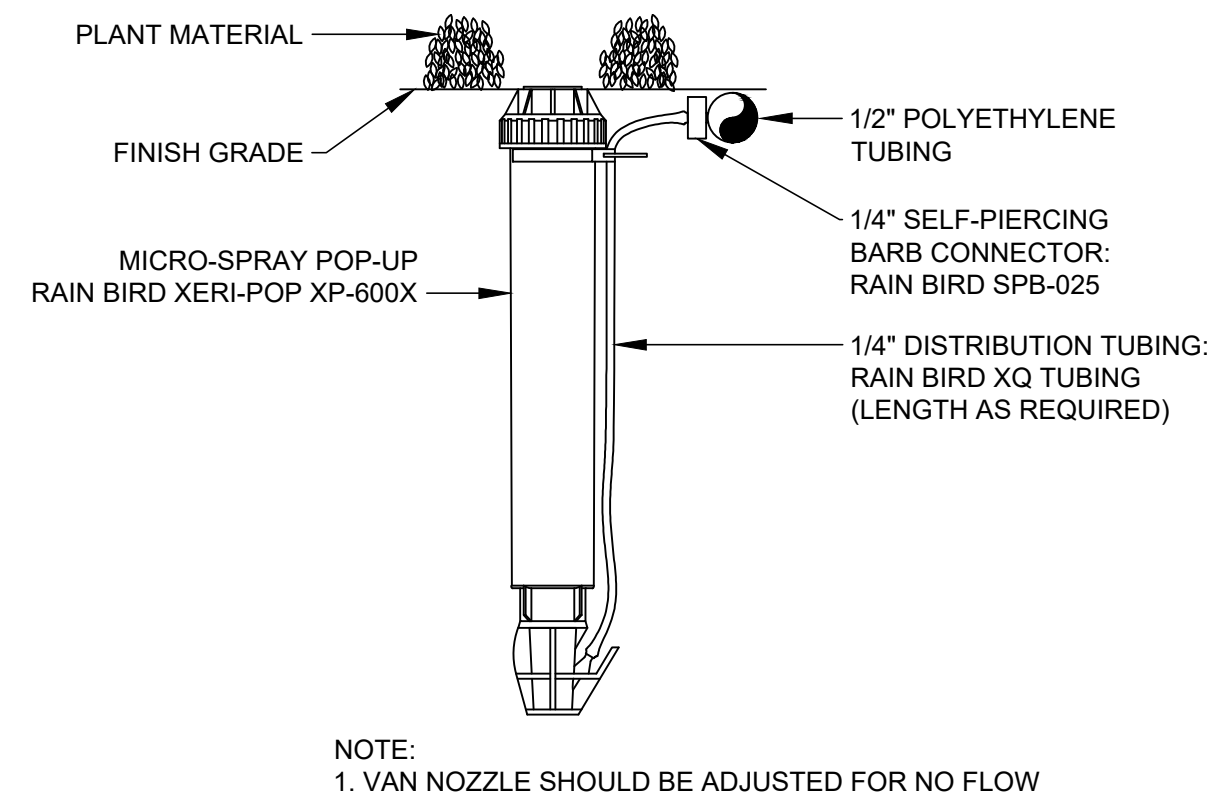




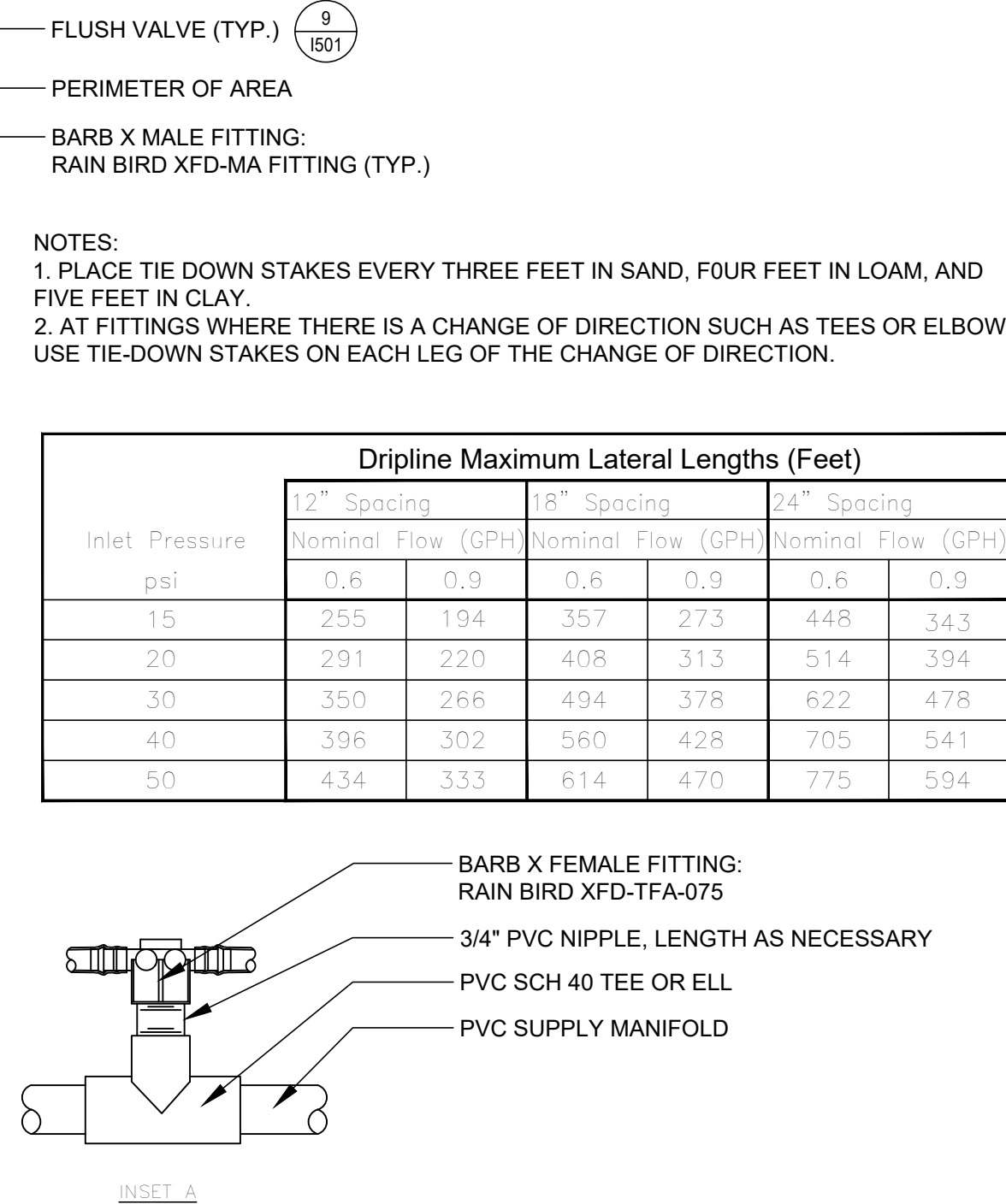
4
1501

1" CONTROL VALVE

SCALE: N.T.S.



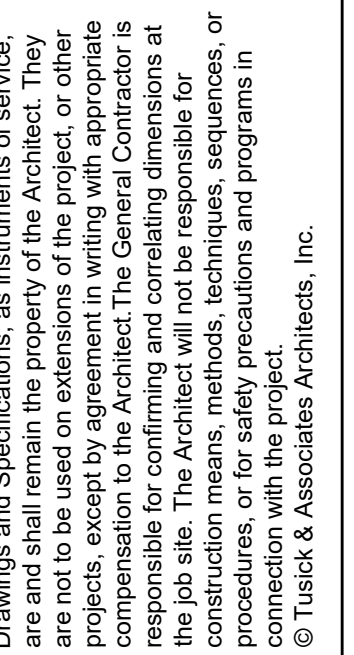
8 **PVC TO DRIPLINE INSTALLATION**
1501



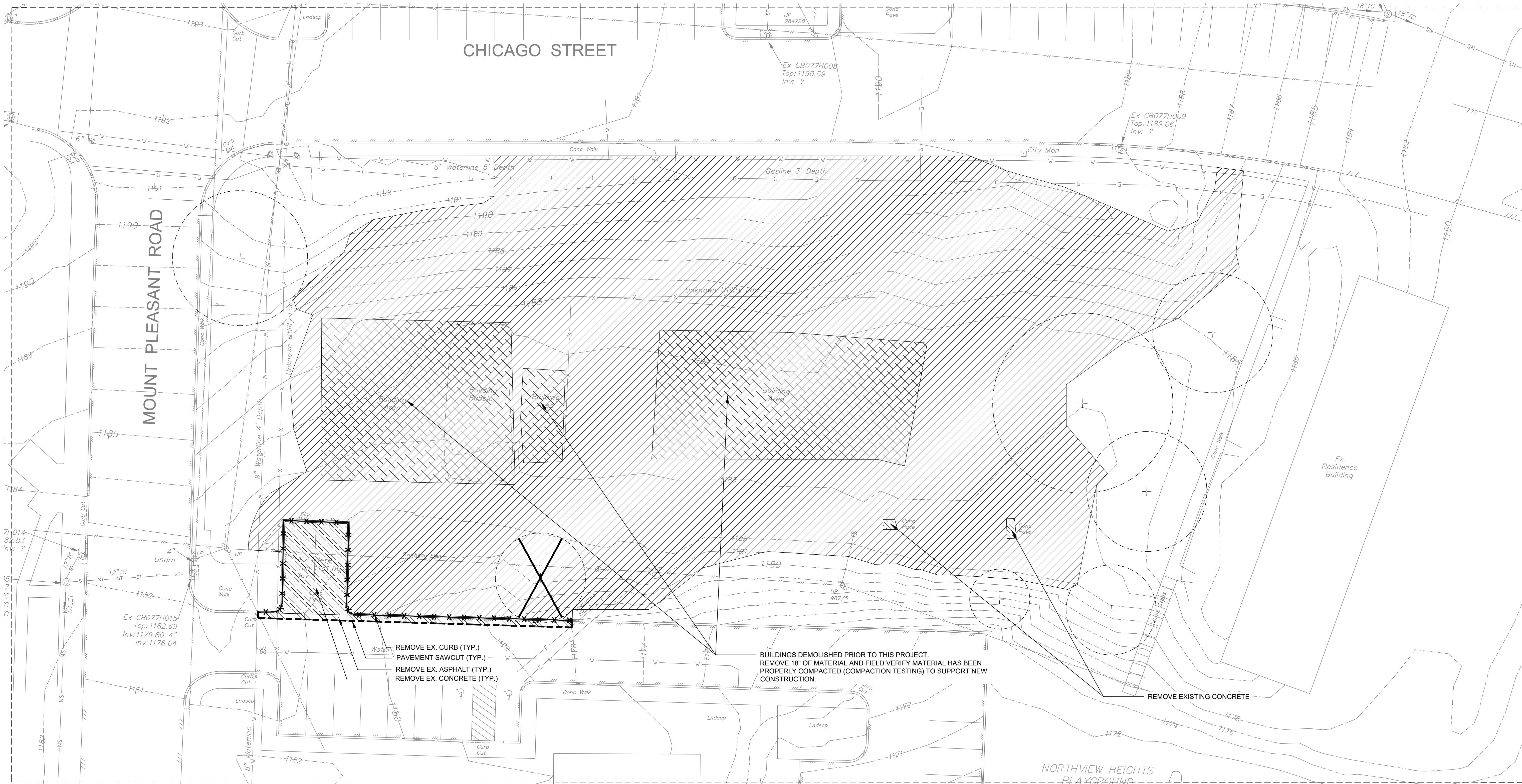
11
1501

DRIPLINE ISLAND LAYOUT

SCALE: N.T.S.



ARG	
CHECKED BY	
DKH	
DATE ISSUED	
07/31/26	
DATE PRINTED	
07/31/26	



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 CIVIL ENGINEERING DRAWINGS FOR COORDINATION ITEMS AND CIVIL DETAILS.
10. 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

DO NOT REMOVE ONE CALL SYSTEM

DO NOT REMOVE ONE CALL SYSTEM

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

PA

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 persons. 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

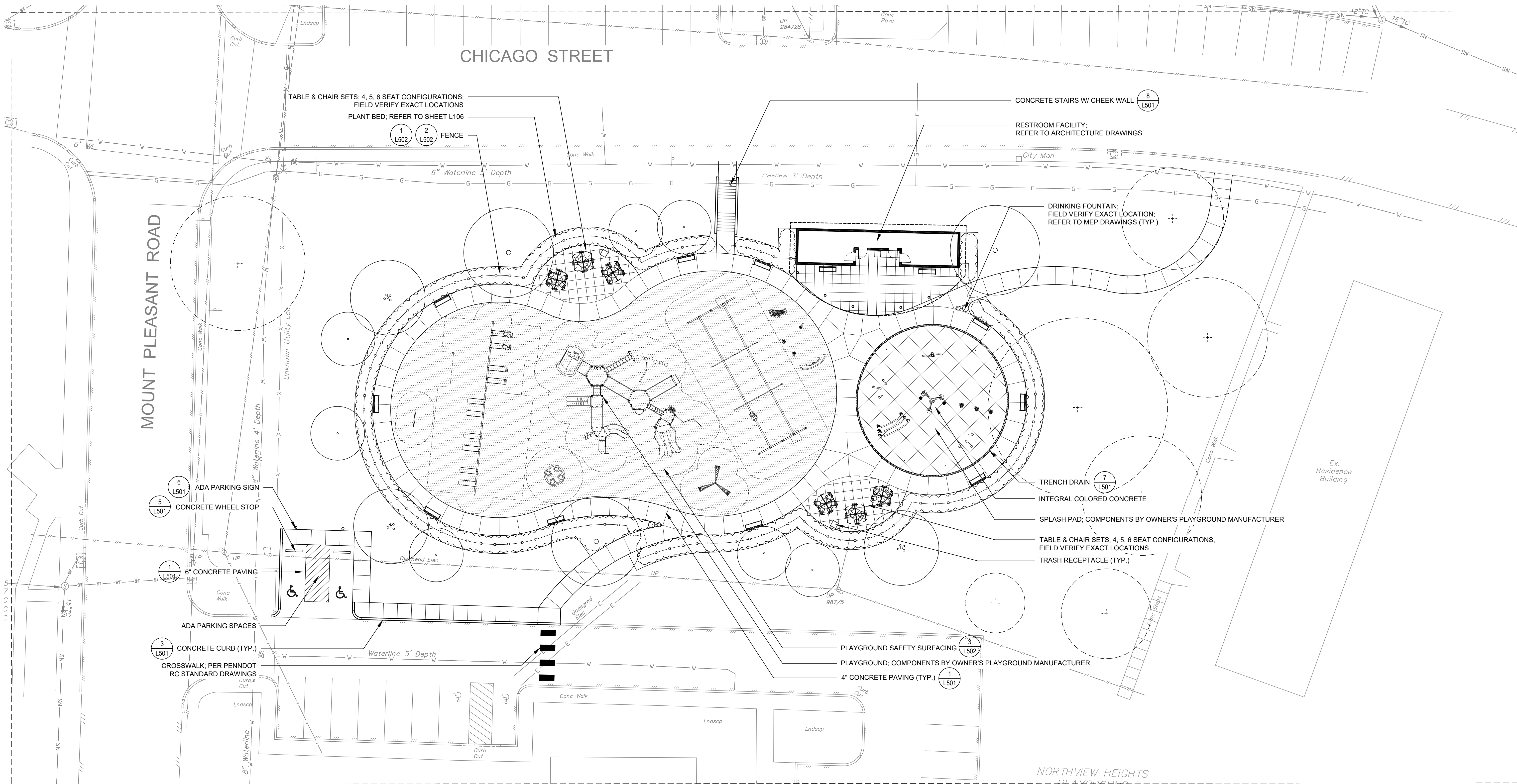
REVISIONS	
DRAWN BY	ARG
CHECKED BY	DKH
DATE ISSUED	07/31/26
DATE PRINTED	07/31/26

Demolition Plan

Northview Heights Playground
Mt. Pleasant Road
Pittsburgh, PA 15214

SHEET NUMBER:

L102



1 SITE PLAN
L103
SCALE: 1/16" = 1'-0"

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 CIVIL ENGINEERING DRAWINGS FOR COORDINATION ITEMS AND CIVIL DETAILS.
10. REFER TO SPECIFICATIONS FOR SITE MATERIAL SELECTIONS.

LEGEND

- | | | | |
|--|---|--|--------------------------|
| | PROPOSED CONCRETE PAVING | | EXISTING TREE TO REMAIN |
| | PROPOSED PLAYGROUND SAFETY SURFACING | | PROPOSED TREE |
| | PROPOSED CONCRETE CURB | | PROPOSED SHRUB PLANTINGS |
| | PROPOSED FENCE | | |
| | PROPOSED TRENCH DRAIN | | |
| | PROPOSED TABLE & CHAIRS WITH SHADE CANOPY | | |
| | PROPOSED BENCH | | |
| | PROPOSED TRASH RECEPTACLE | | |
| | PROPOSED DRINKING FOUNTAIN | | |



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 projects, except by agreement in writing with appropriate projects, except by agreement in writing with appropriate projects. 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.

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	DKH
DATE ISSUED	07/31/26
DATE PRINTED	07/31/26

Site Plan

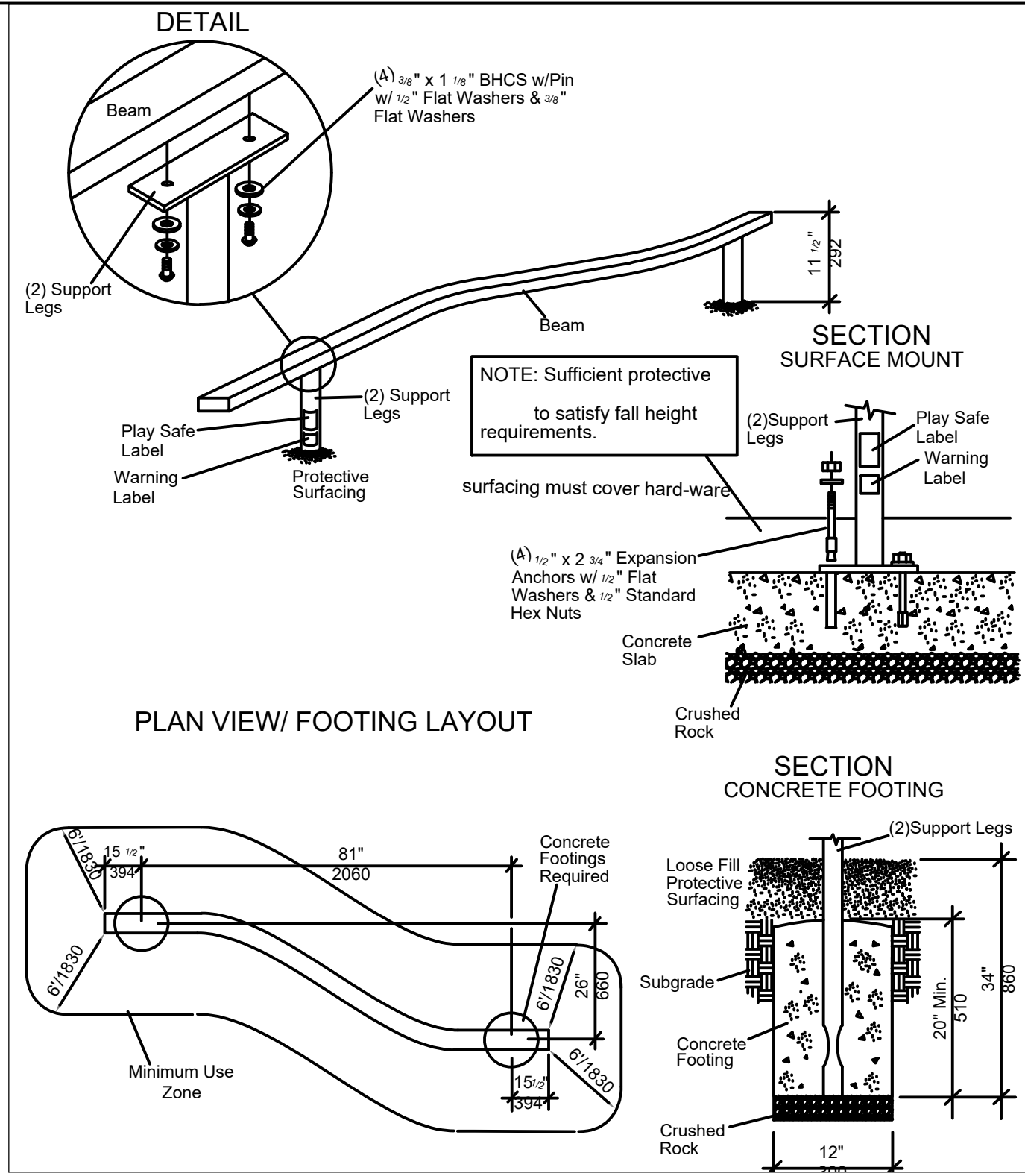
Northview Heights Playground
Mt. Pleasant Road
Pittsburgh, PA 15214

SHEET NUMBER:

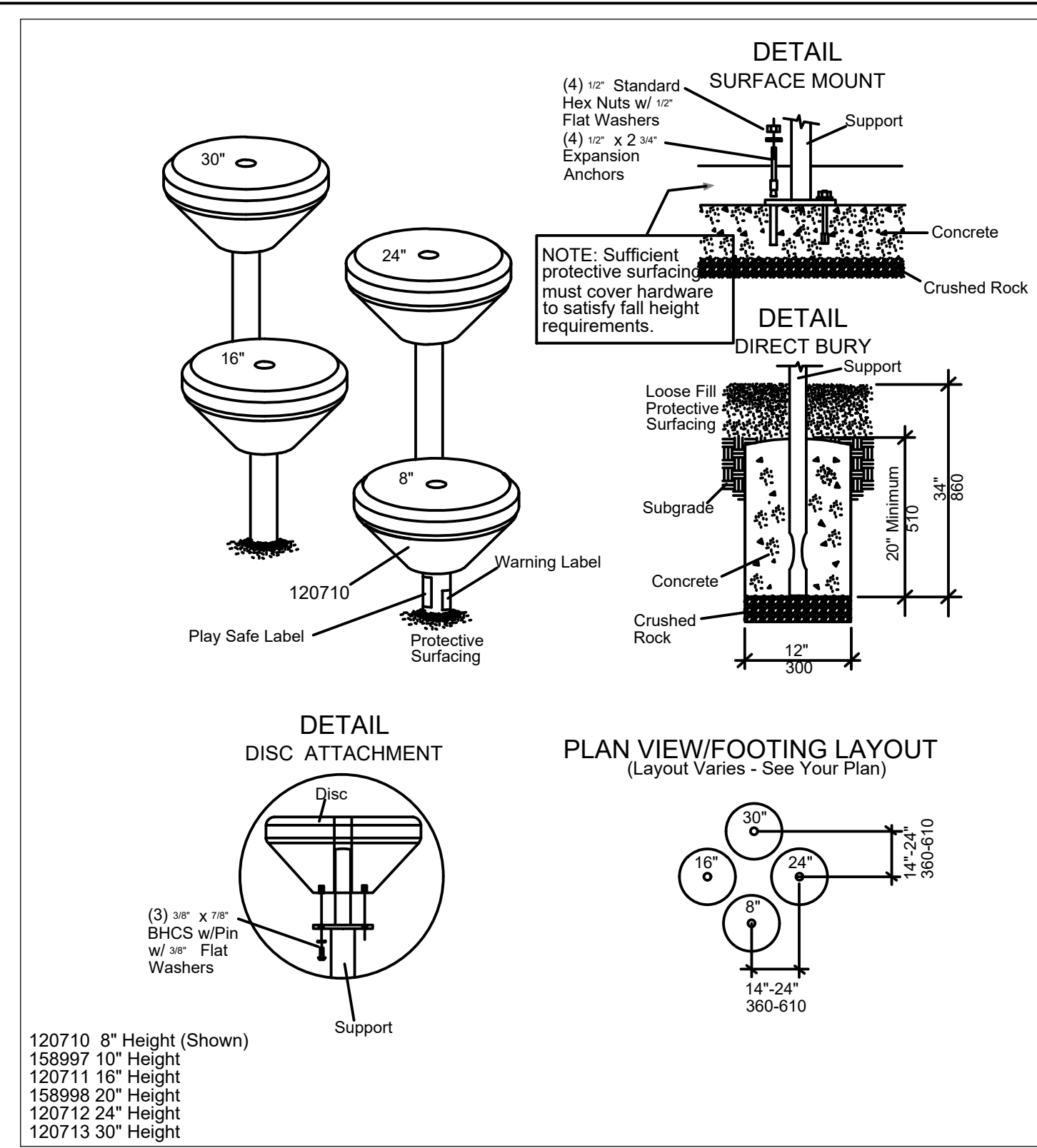
L103



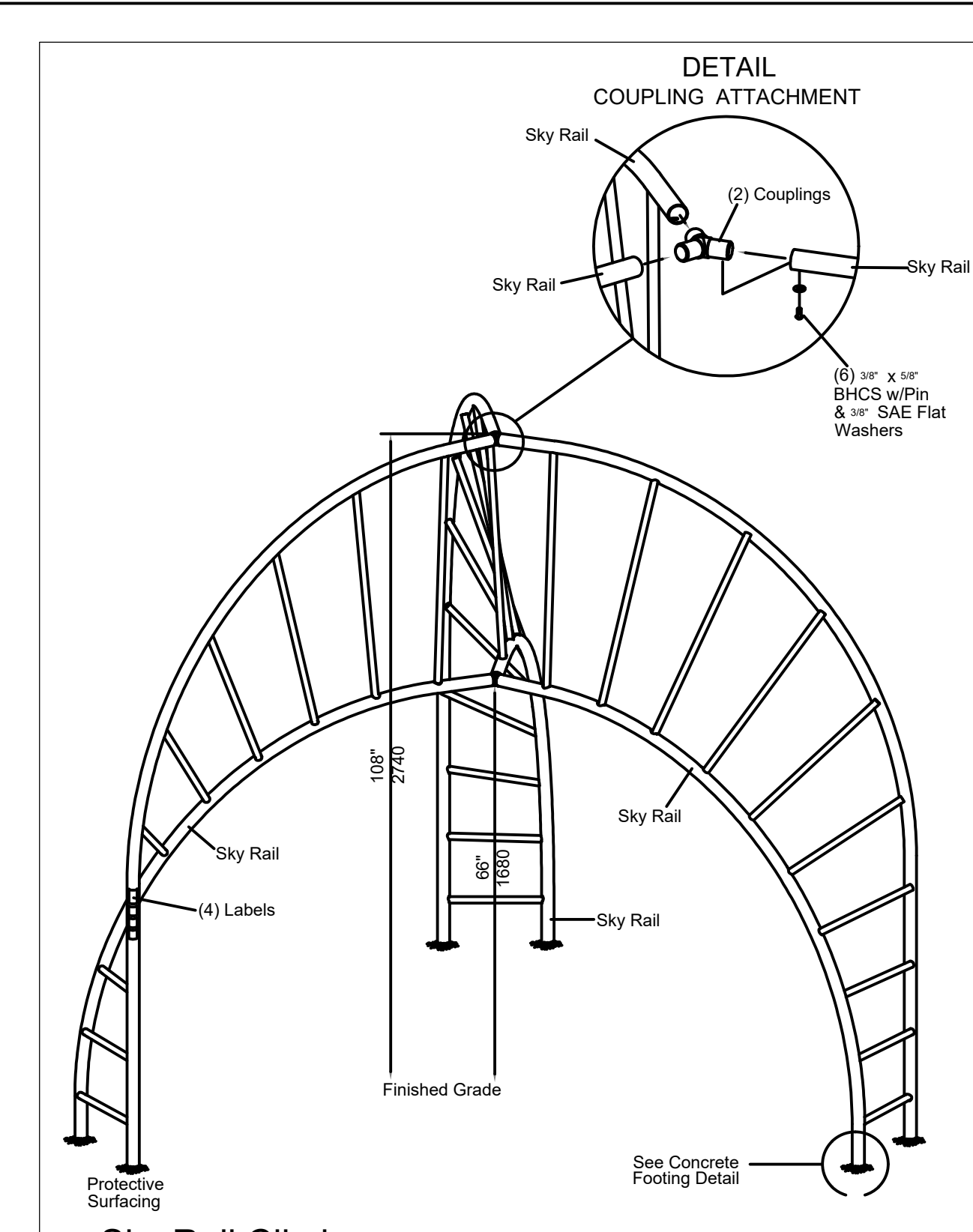
Dial 8-1-1 or 1-800-242-1776 not less than 3 business days nor more than 10 business days prior to the start of excavation.
Coordinate your projects via Coordinate PA at www.paonecall.org
Pennsylvania One Call System Serial Number



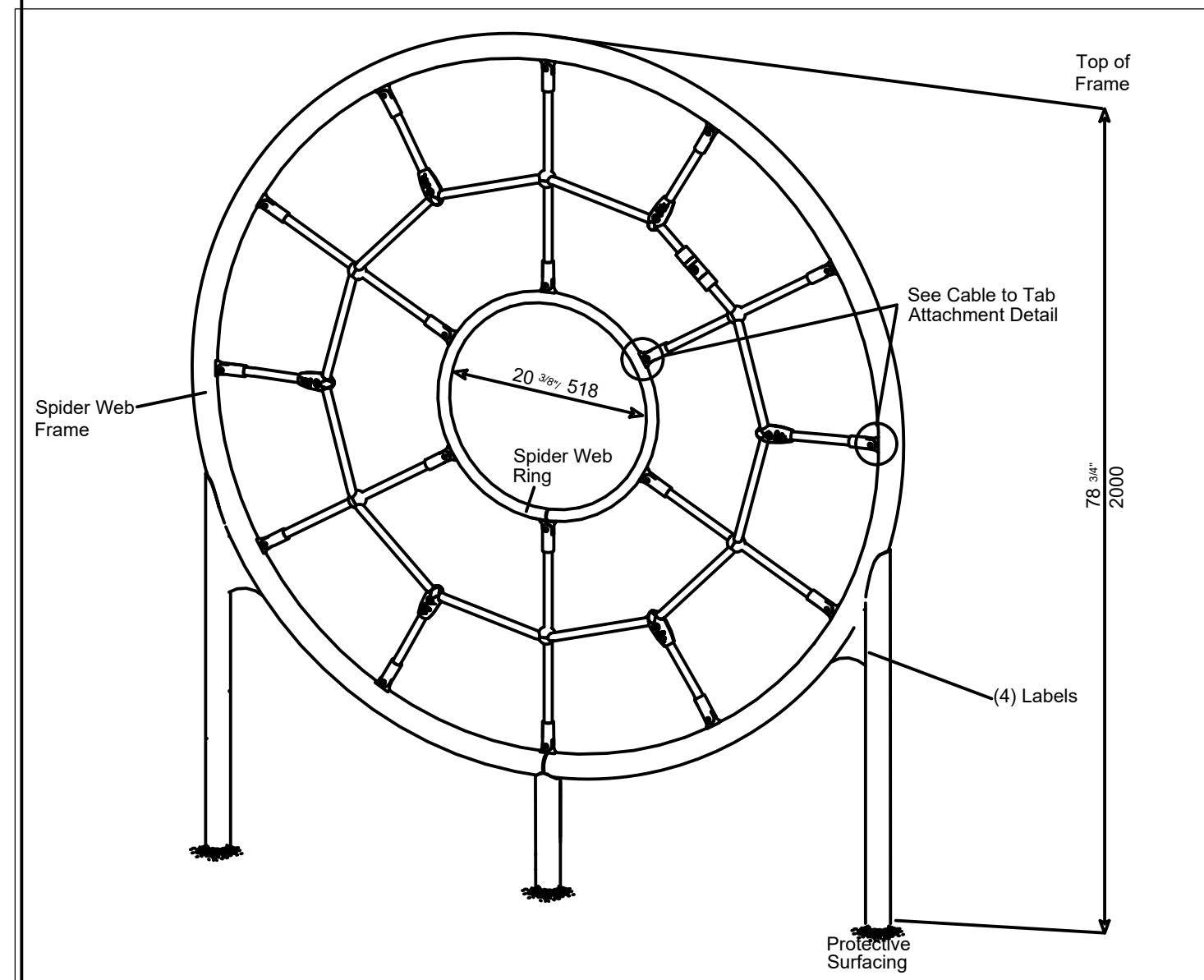
1 Curved Balance Beam
SCALE: NTS



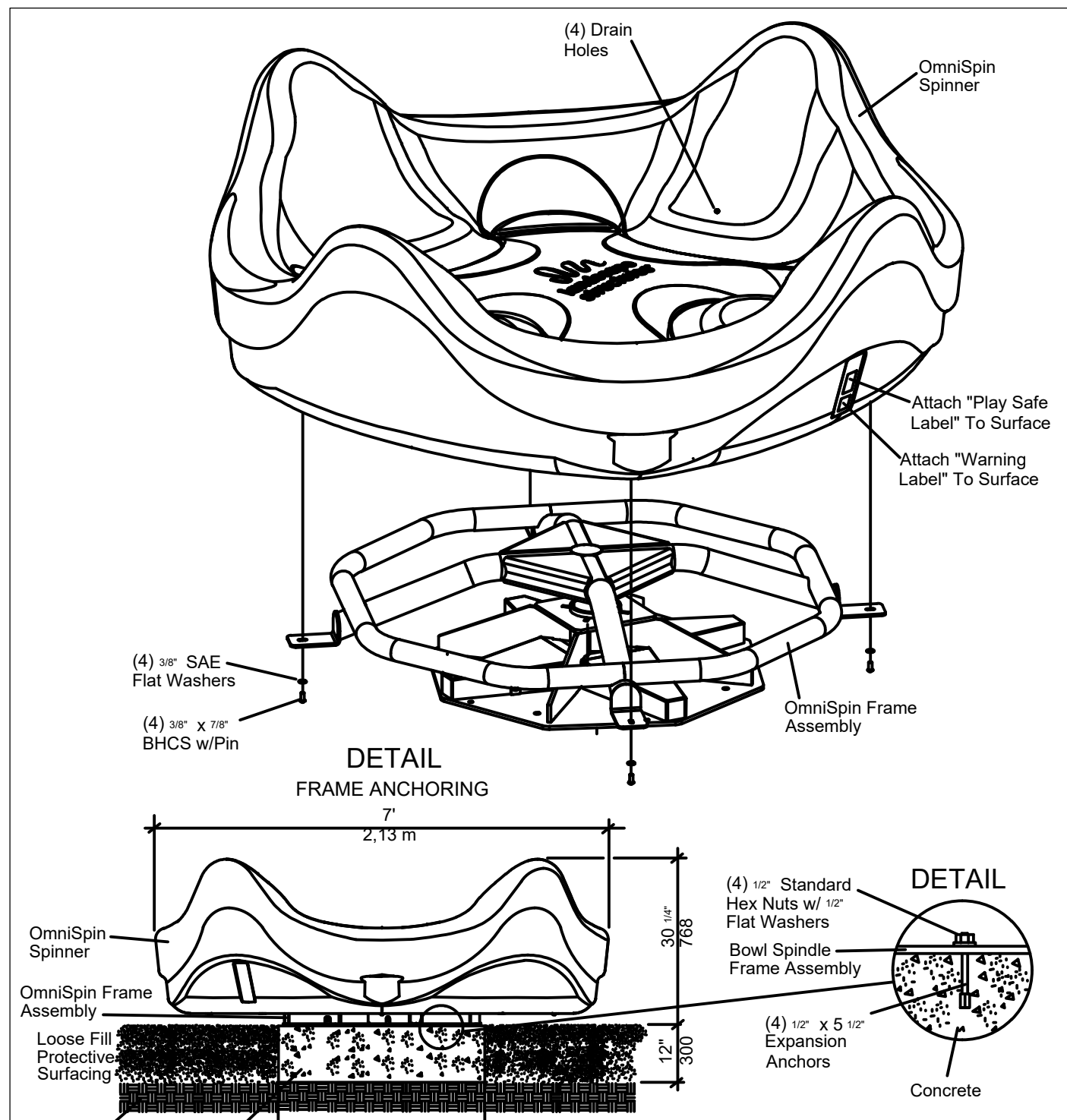
2 Pod Climbers
SCALE: NTS



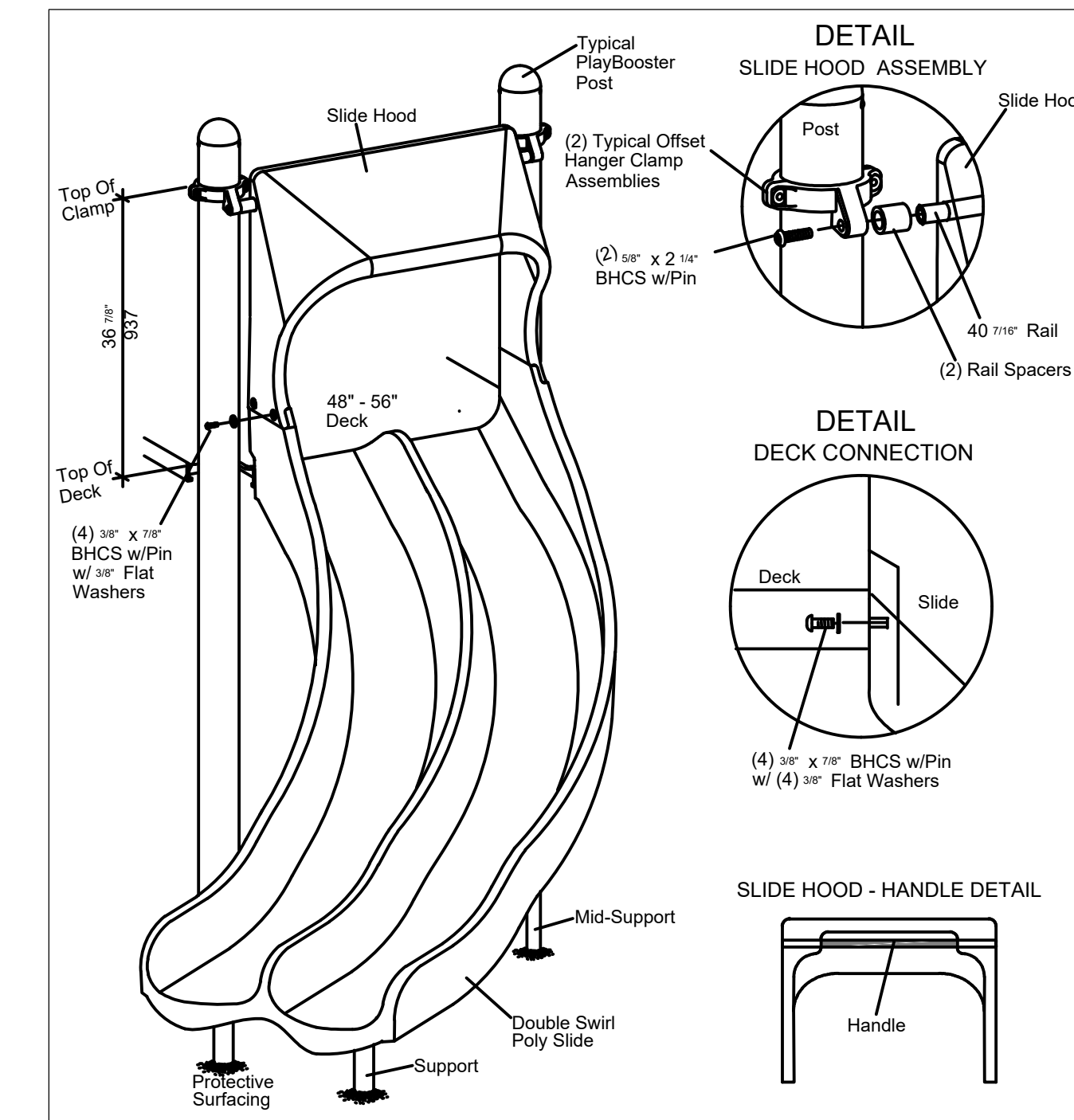
3 Sky Rail Climber
SCALE: NTS



4 Spider Web Climber
SCALE: NTS



5 OmniSpin® Spinner
SCALE: NTS



6 Double Swirl Slide
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.

This sheet is information supplied by the equipment manufacturer supplementary intended to provide general use information. This sheet is not construction information. The equipment use is represented as intended for safe recreation use. provide and install the products as they are located and dimensioned in the sheets provided as construction drawings,



DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE THE PROPERTY OF TUSICK & ASSOCIATES ARCHITECTS, INC. AND ARE NOT TO BE REPRODUCED OR USED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF TUSICK & ASSOCIATES ARCHITECTS, INC. PROJECTS EXCEPT BY AGREEMENT IN WRITING WITH APPROPRIATE AUTHORITY. TUSICK & ASSOCIATES ARCHITECTS, INC. IS NOT RESPONSIBLE FOR CONFORMING OR CORRELATING DIMENSIONS AT CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR CONSTRUCTION WITH THE PROJECT.

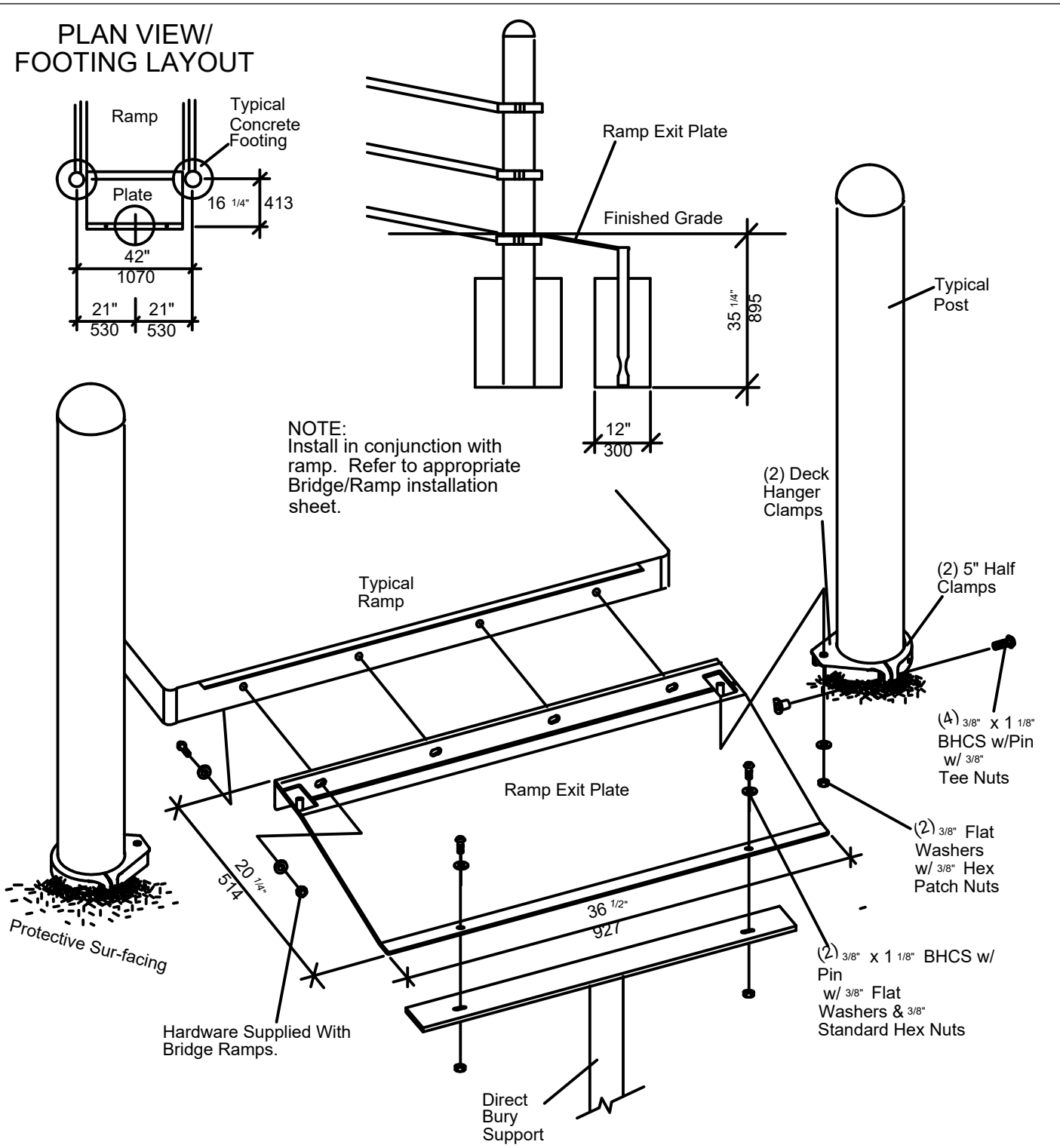
TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS	DRAWN BY	CHECKED BY	DATE ISSUED	DATE PRINTED
	JAG	SBT	07/31/26	07/31/26

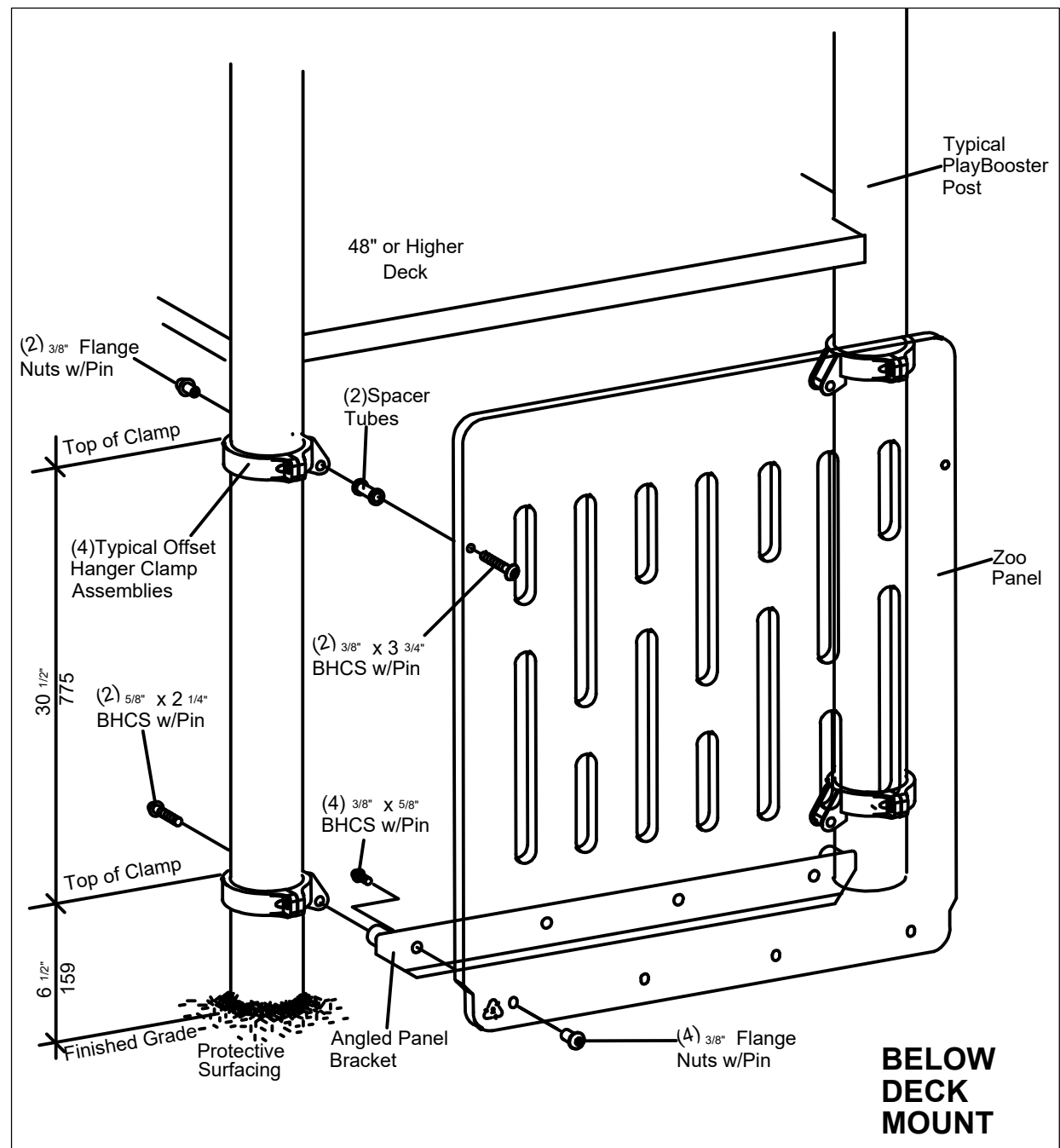
Accessible Playground, Details & Elevations
HACP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214

SHEET NUMBER:

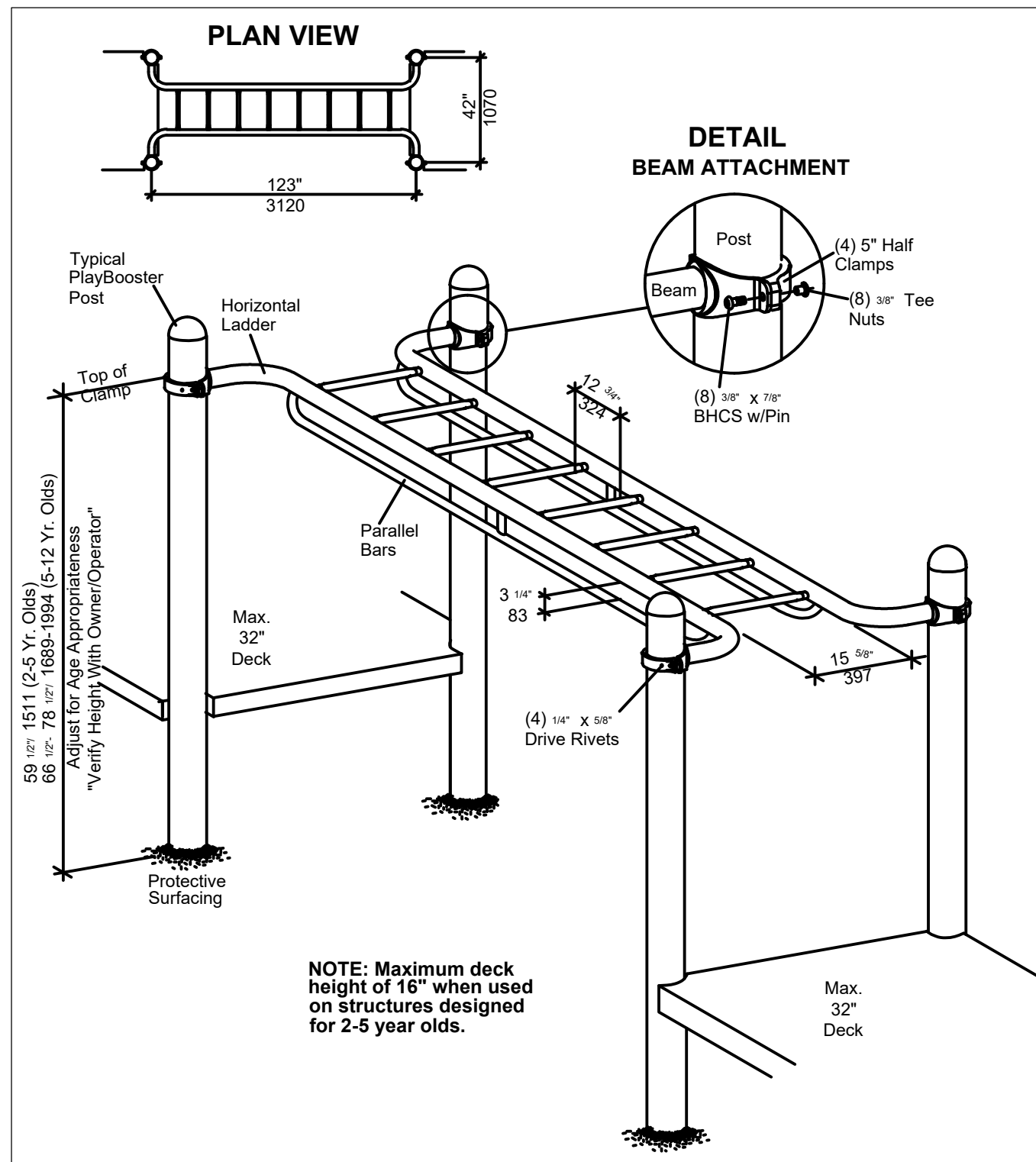
L103.2



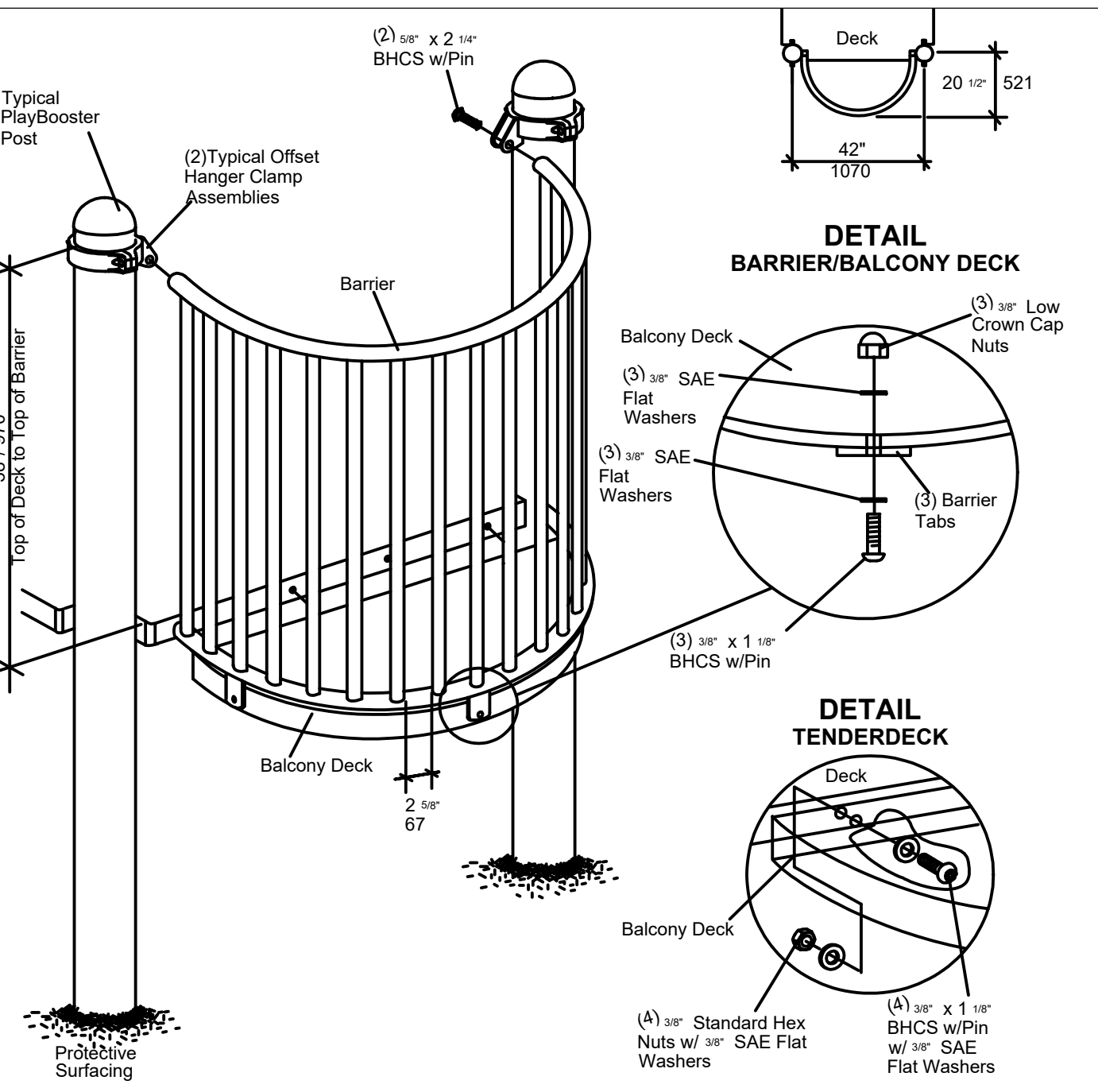
1 Uniflow Plan & Elevation
SCALE: NTS



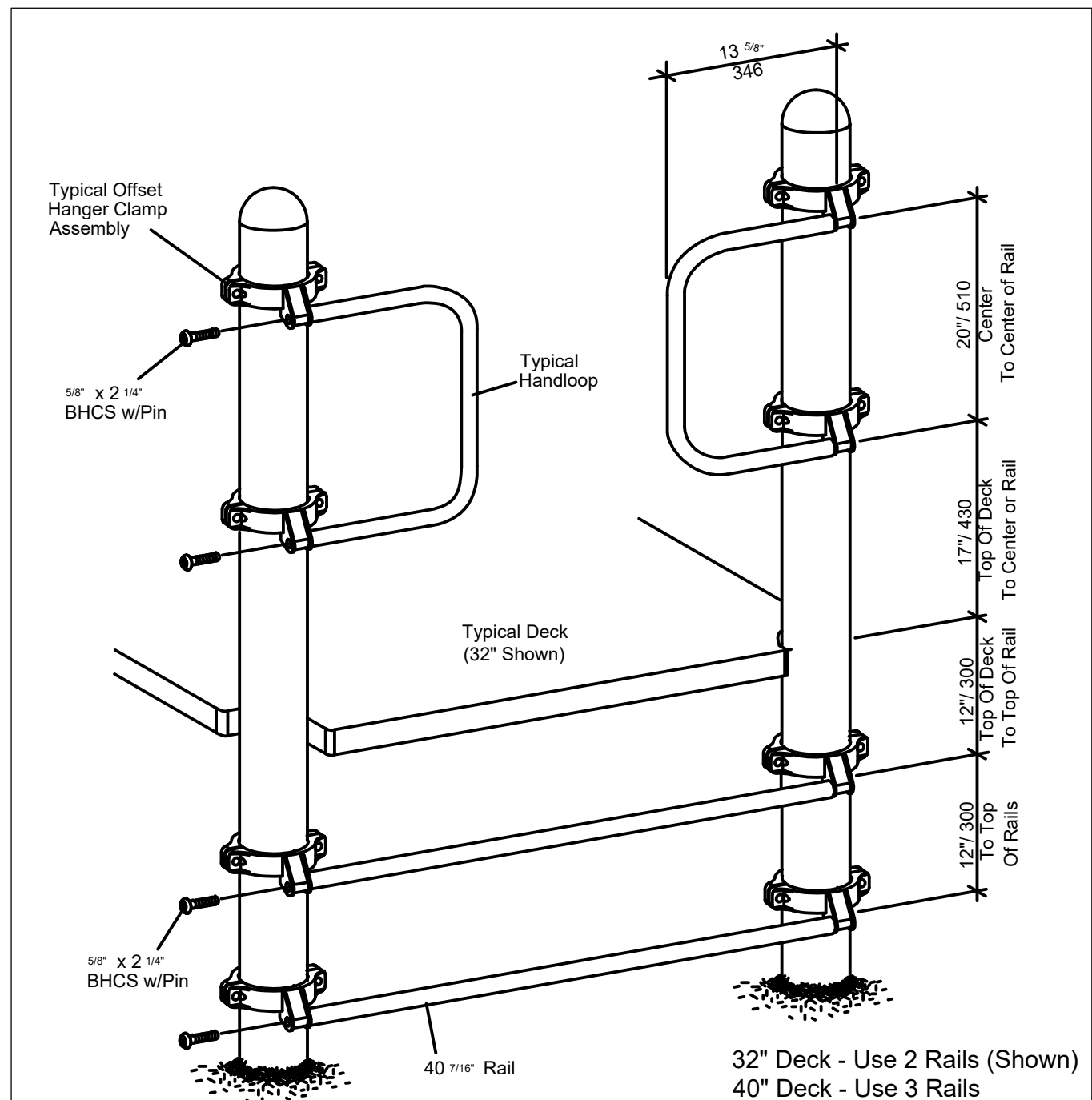
2 Uniflow Plan & Elevation
SCALE: NTS



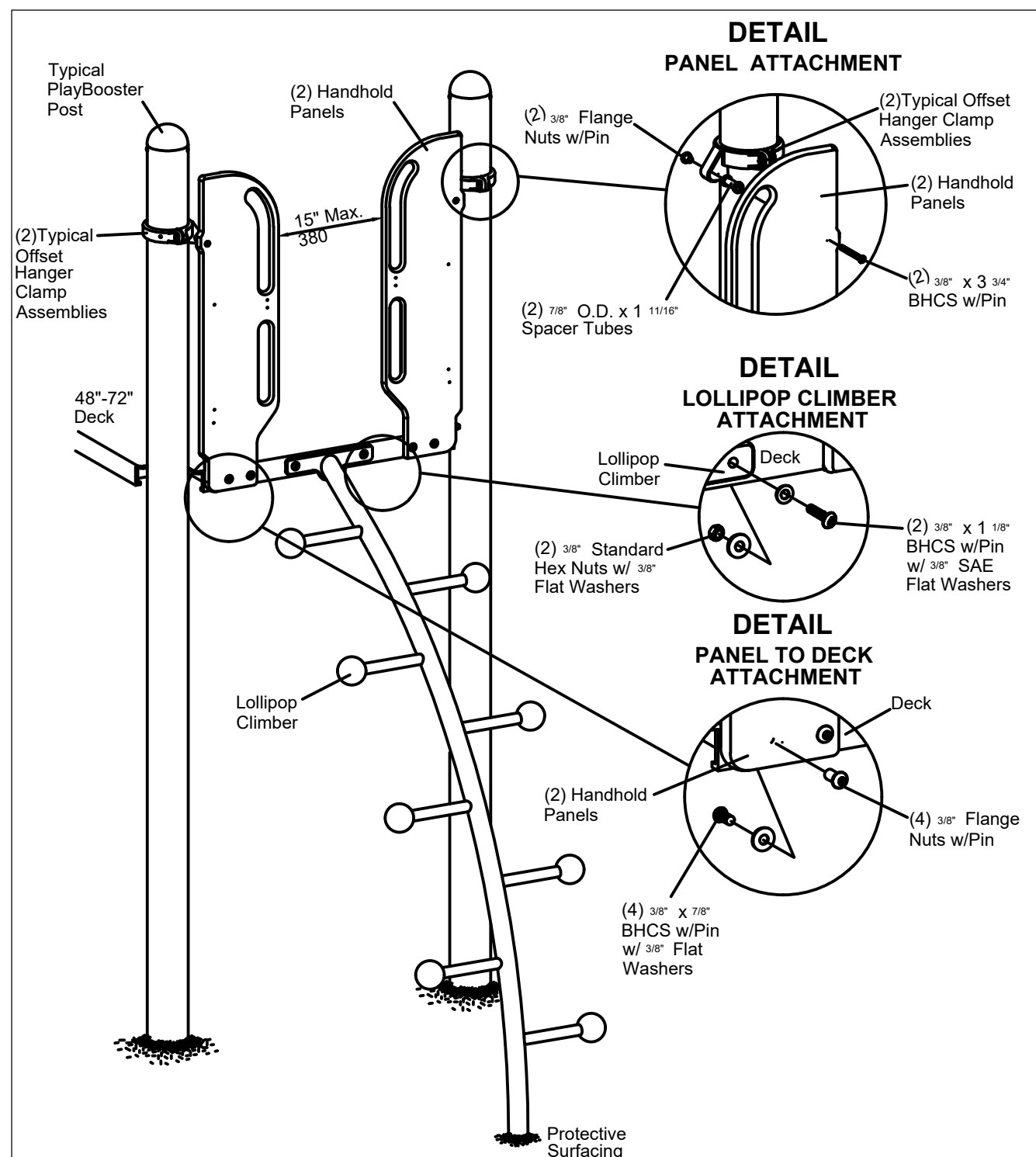
3 Uniflow Plan & Elevation
SCALE: NTS



4 Uniflow Plan & Elevation
SCALE: NTS



5 Uniflow Plan & Elevation
SCALE: NTS



6 Uniflow Plan & Elevation
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.

This sheet is information supplied by the equipment manufacturer supplementary intended to provide general use information. This sheet is not construction information. The equipment use is represented as intended for safe recreation use. provide and install the products as they are located and dimensioned in the sheets provided as construction drawings,



Drawings and specifications are instruments of service. They are not to be used in conjunction with any other project, except by agreement in writing with appropriate authority. The user of these drawings is responsible for confirming and correlating dimensions at construction means, methods, techniques, sequences, or construction with the project.

o Tusick & Associates Architects, Inc.

TAA

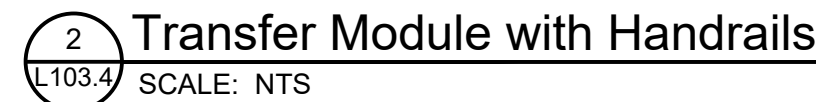
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS	
DRAWN BY	JAG
CHECKED BY	SBT
DATE ISSUED	07/31/26
DATE PRINTED	07/31/26

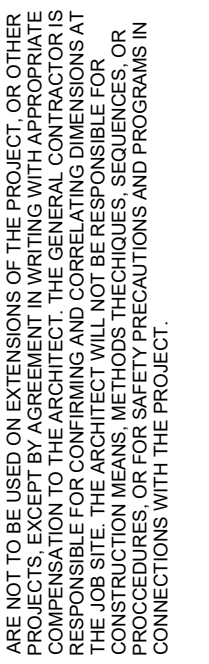
Accessible Playground, Details & Elevations
HACP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214

SHEET NUMBER:

L103.3



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.

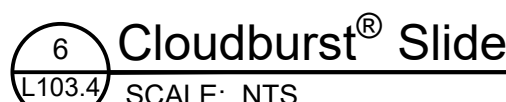


W Iusick & Associates Architects, Inc.



Tusuck & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238

1000



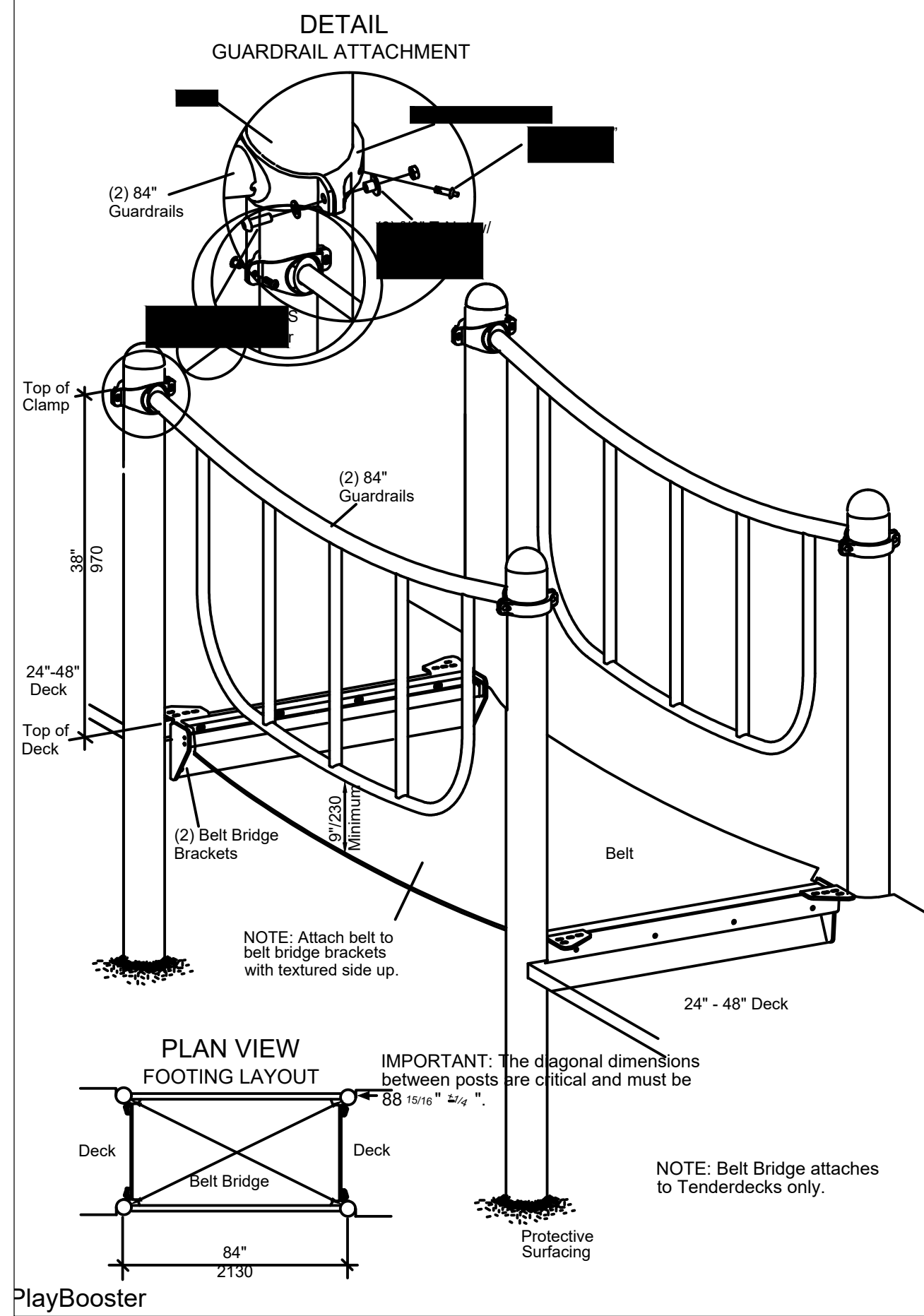
This sheet is information supplied by the equipment manufacturer supplementary intended to provide general use information. This sheet is not construction information. The equipment use is represented as intended for safe recreation use. provide and install the products as they are located and dimensioned in the sheets provided as construction drawings.

Elevations

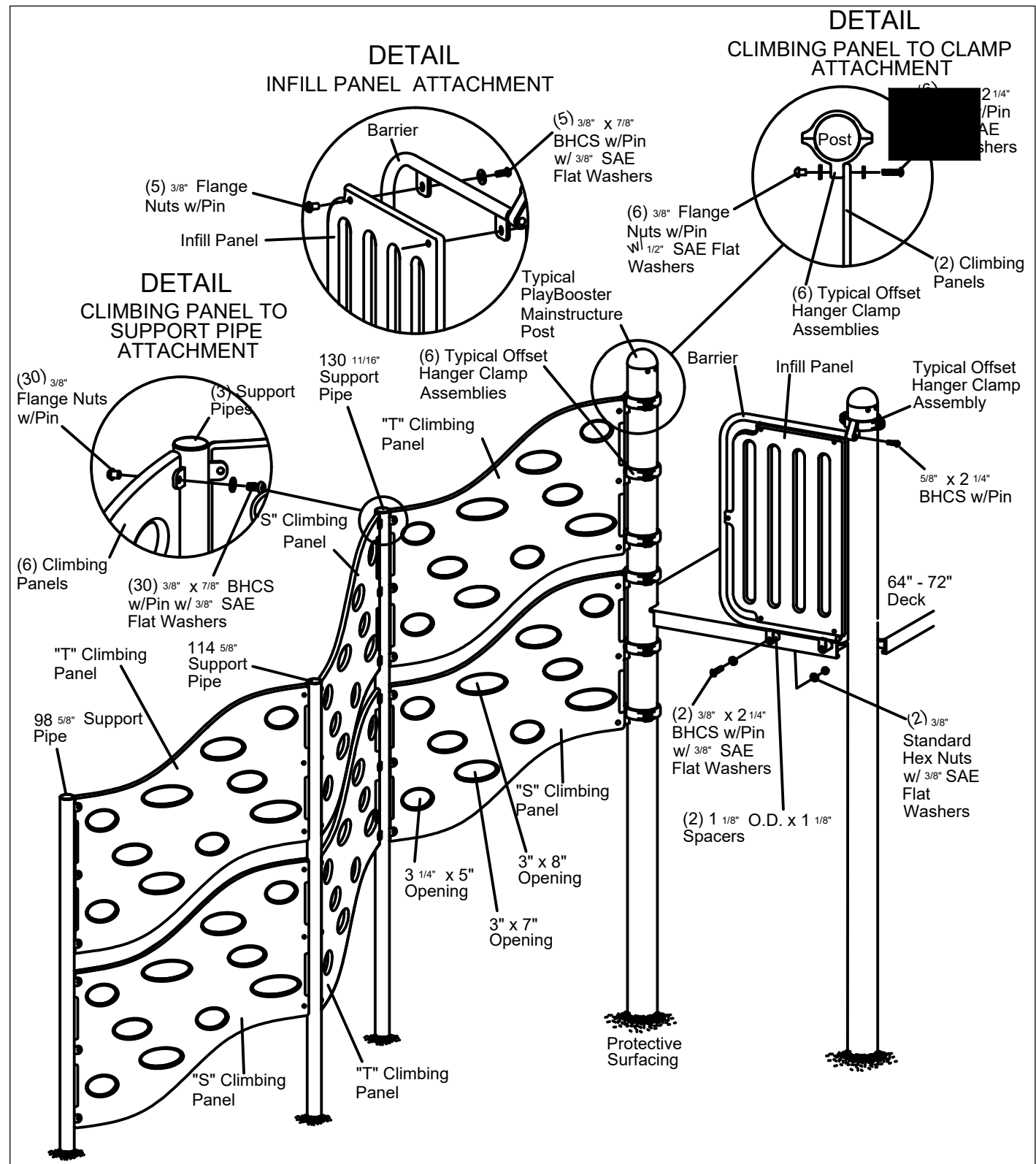
25 Mt Pleasant Road,
Pittsburgh, PA 15214

SHEET NUMBER:

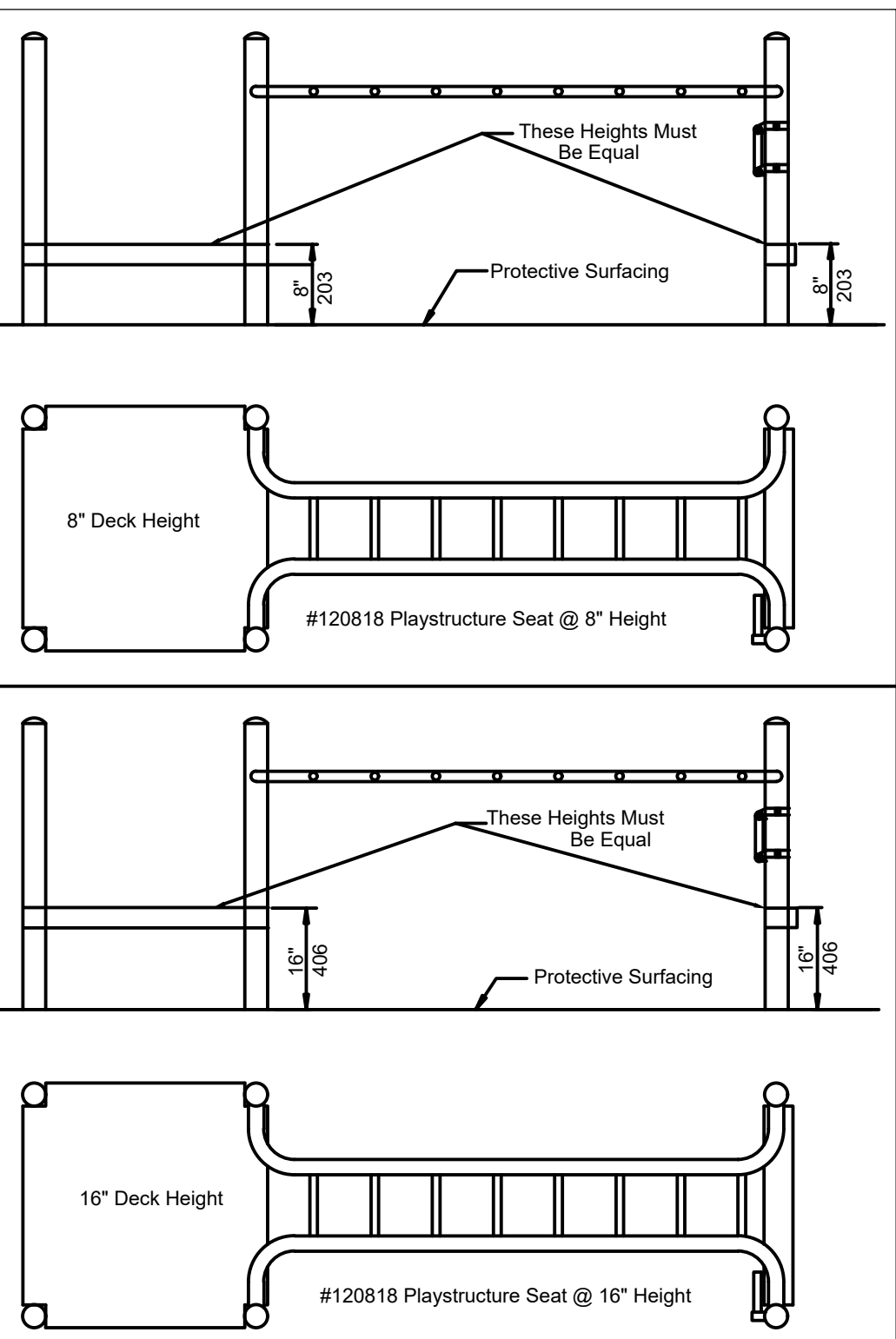
103.4



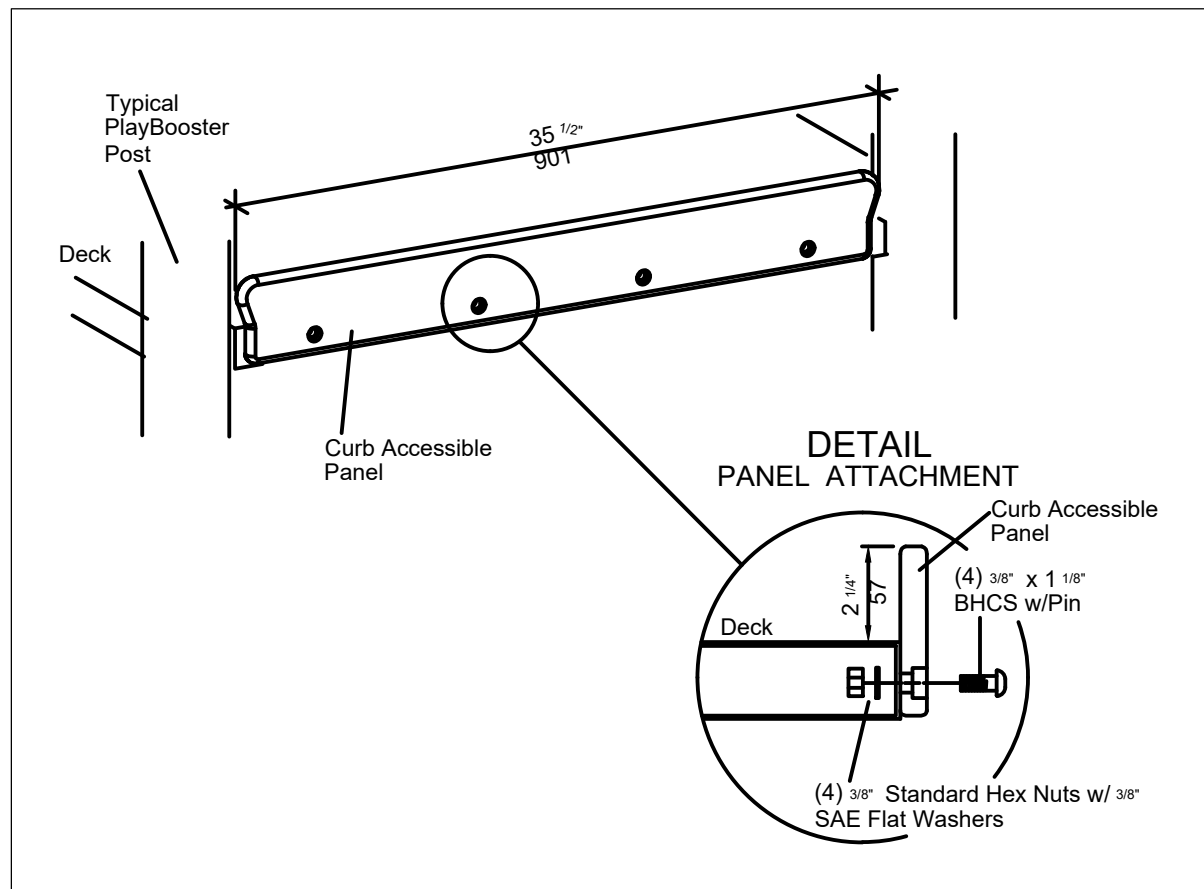
1 Belt Bridge
L103.5 SCALE: NTS



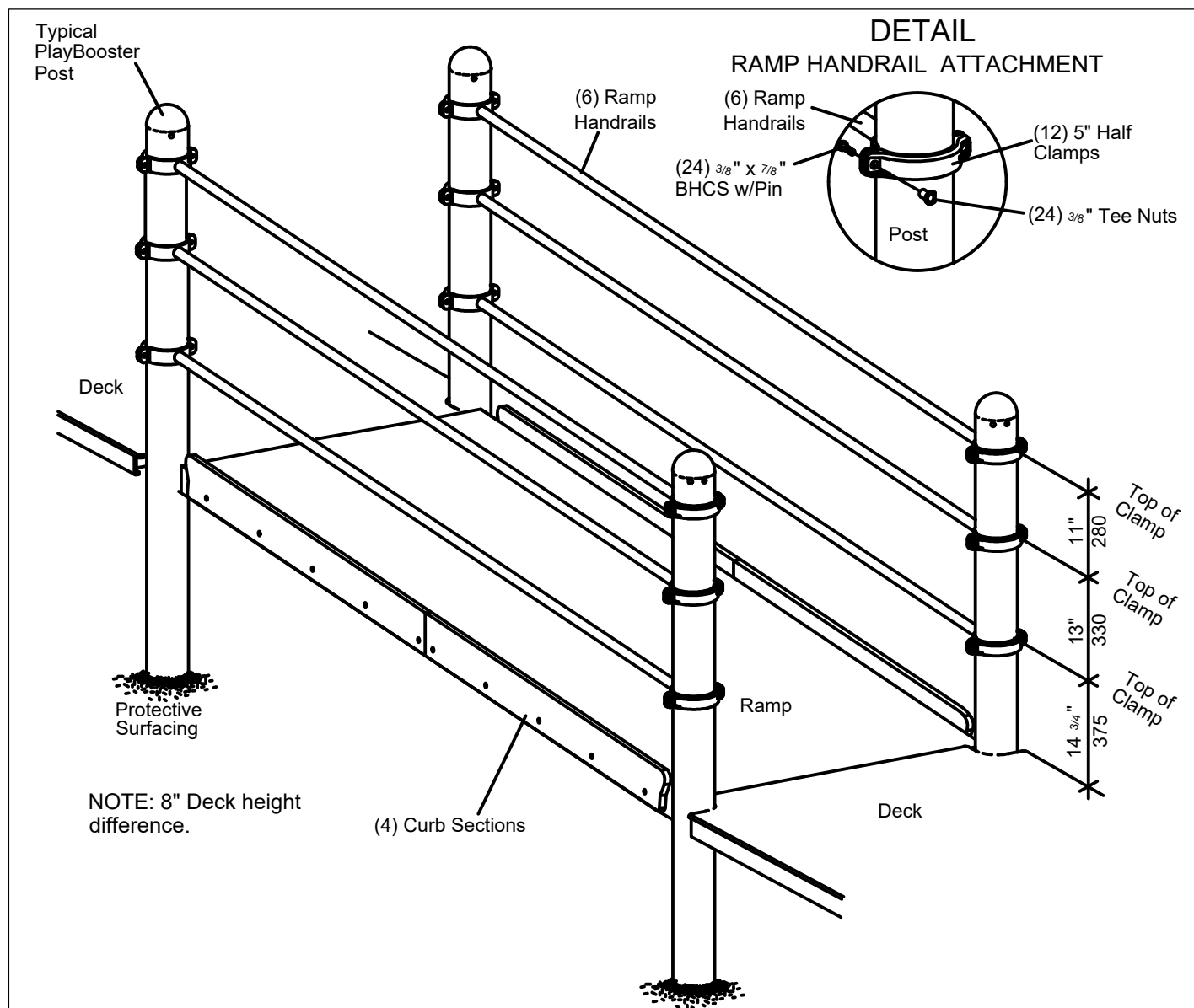
2 3-Panel Cascade Climber
L103.5 SCALE: NTS



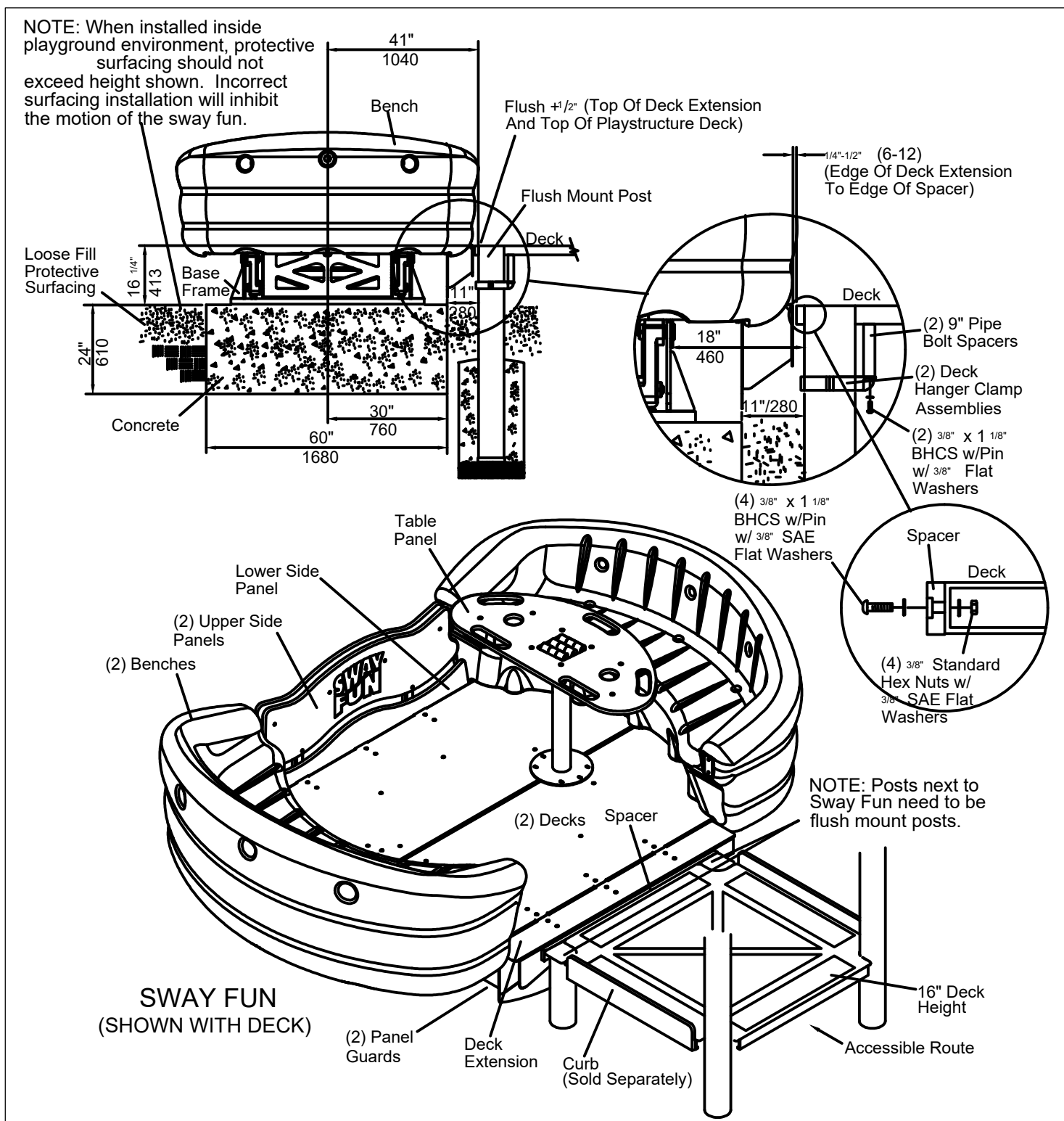
3 Access/Landing Seat
L103.5 SCALE: NTS



4 Reach Panel Curb
L103.5 SCALE: NTS



5 ASTM Ramp with Guardrail/Handrail
L103.5 SCALE: NTS



6 Sway Fun® Glider
L103.5 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.

This sheet is information supplied by the equipment manufacturer supplementary intended to provide general use information. This sheet is not construction information. The equipment use is represented as intended for safe recreation use. provide and install the products as they are located and dimensioned in the sheets provided as construction drawings,



Drawings & Specifications as Instruments of Service. The drawings and specifications are not to be used in conjunction with any other project except by agreement in writing with appropriate authority. The user of these drawings and specifications is responsible for confirming and correlating dimensions at construction means, methods, techniques, sequences, or procedures for the project with the project.

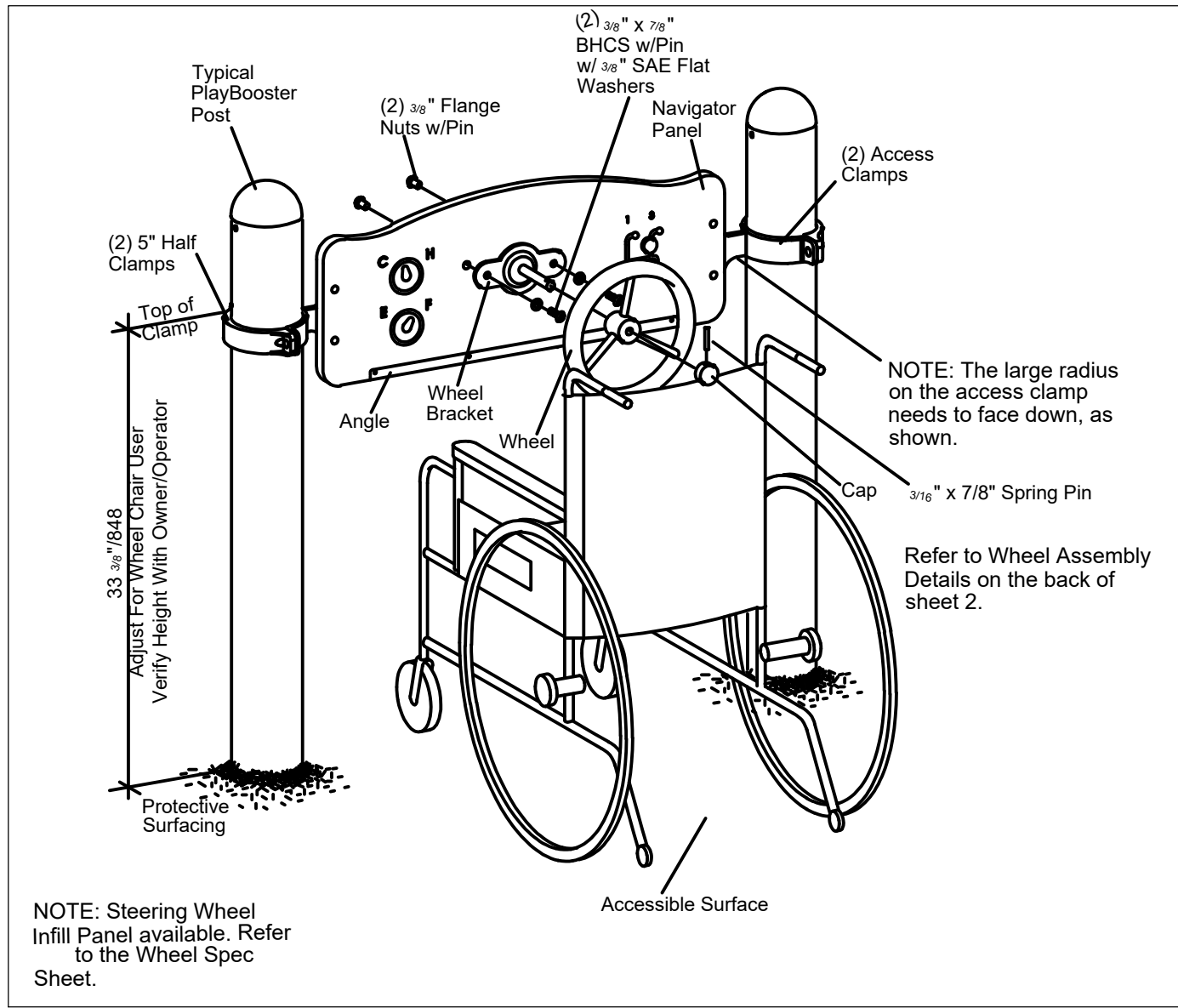
TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS	DRAWN BY	CHECKED BY	DATE ISSUED	DATE PRINTED
	JAG	SBT	07/31/26	07/31/26

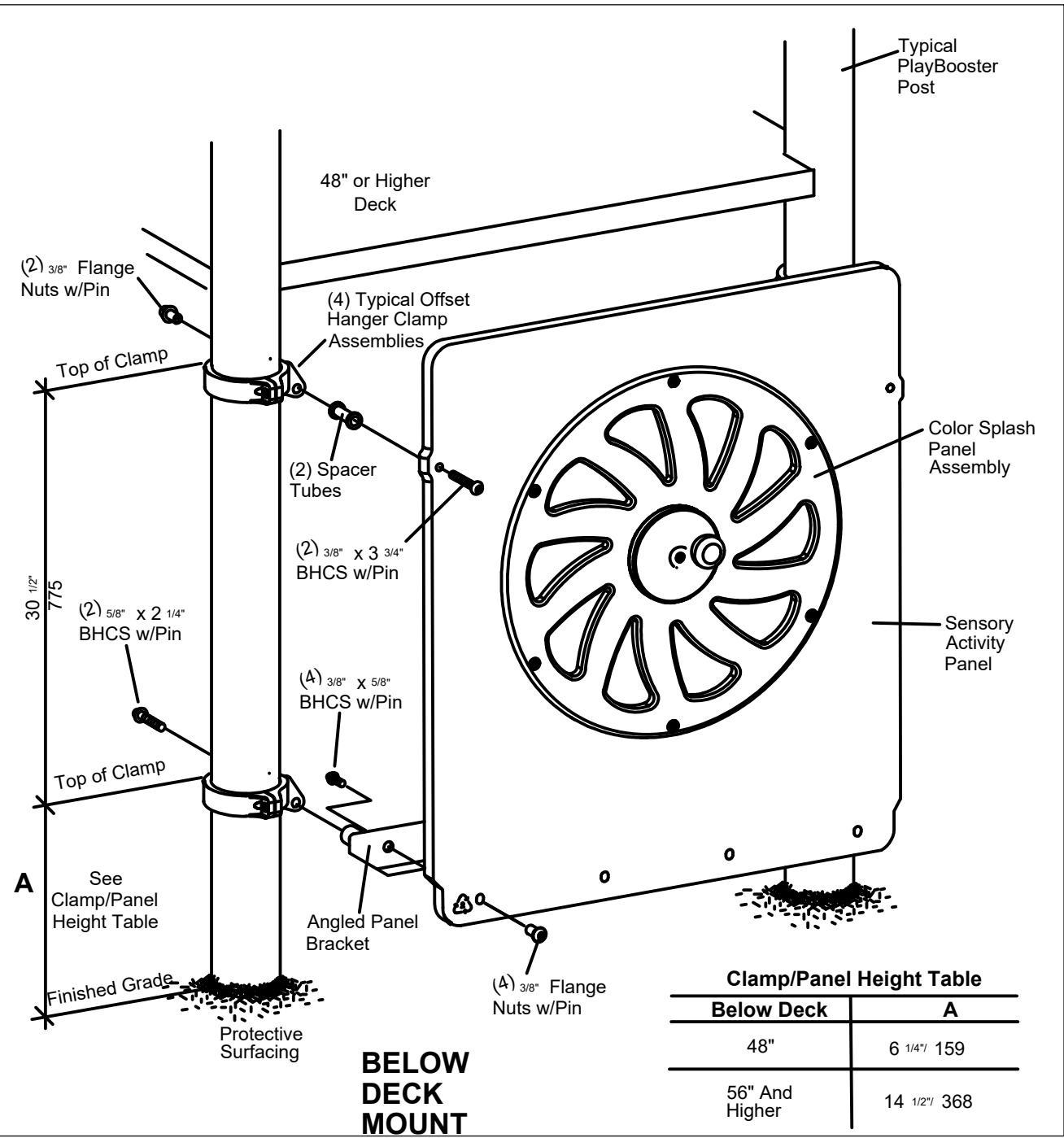
Accessible Playground, Details & Elevations
HACP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214

SHEET NUMBER:

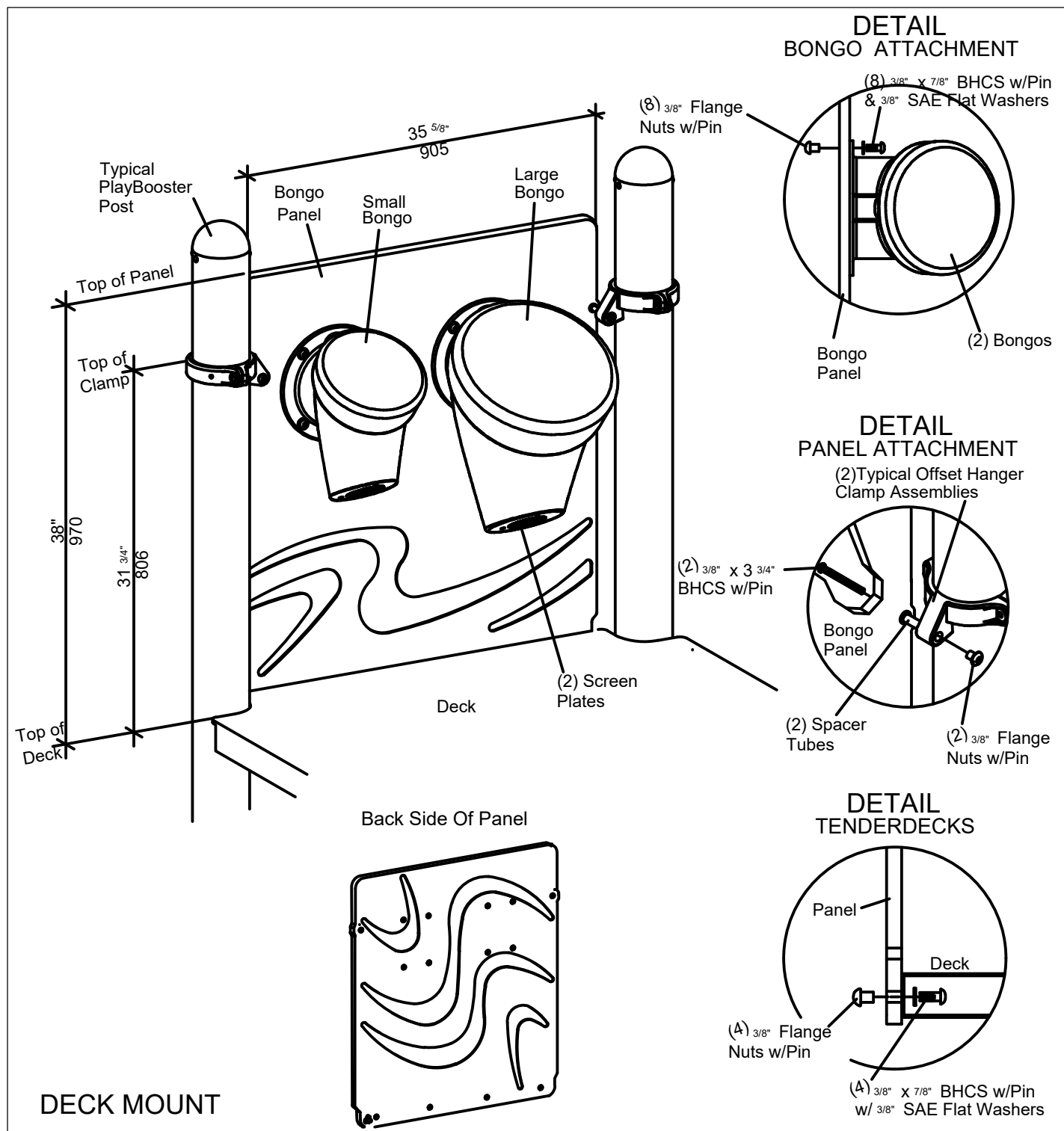
L103.5



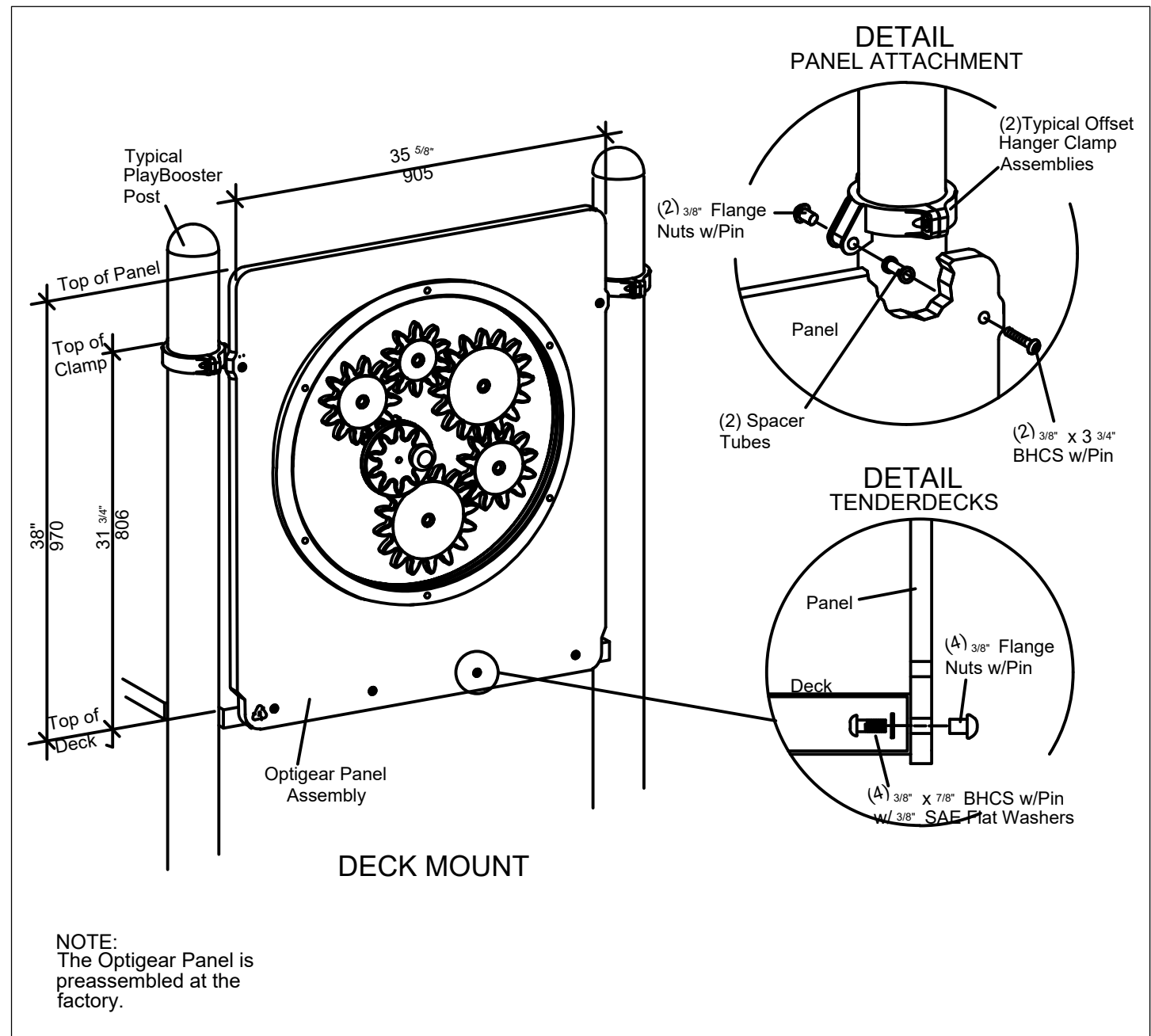
1 Navigator Panel
L103.6 SCALE: NTS



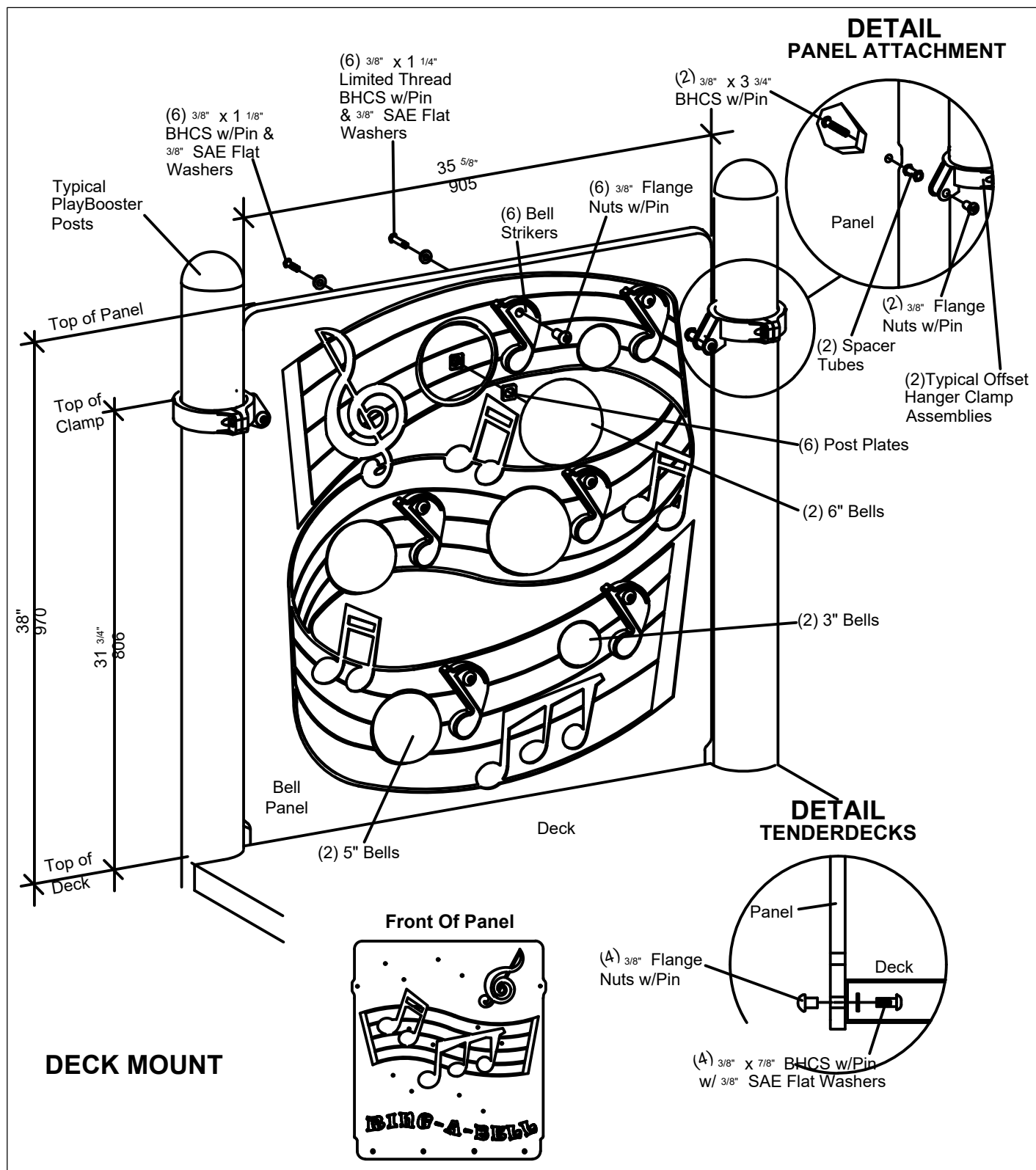
4 Color Splash Panel™
L103.6 SCALE: NTS



2 Bongo Panel®
L103.6 SCALE: NTS



5 OptiGear Panel®
L103.6 SCALE: NTS



3 Ring-a-Bell Panel
L103.6 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.

This sheet is information supplied by the equipment manufacturer intended to provide general use information. This sheet is not construction information. The equipment use is represented as intended for safe recreation use. provide and install the products as they are located and dimensioned in the sheets provided as construction drawings,



DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE FOR THE USE OF THE CLIENT ONLY. THEY ARE NOT TO BE USED FOR ANY OTHER PROJECTS EXCEPT BY AGREEMENT IN WRITING WITH APPROPRIATE AUTHORITY. THE USER OF THESE DRAWINGS IS RESPONSIBLE FOR CONFIRMING AND CORRELATING DIMENSIONS AT CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR CONSTRUCTION FOR THE PROJECT PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE PROJECT.

o Tusick & Associates Architects, Inc.

TAA

Tusick & Associates Architects, Inc.

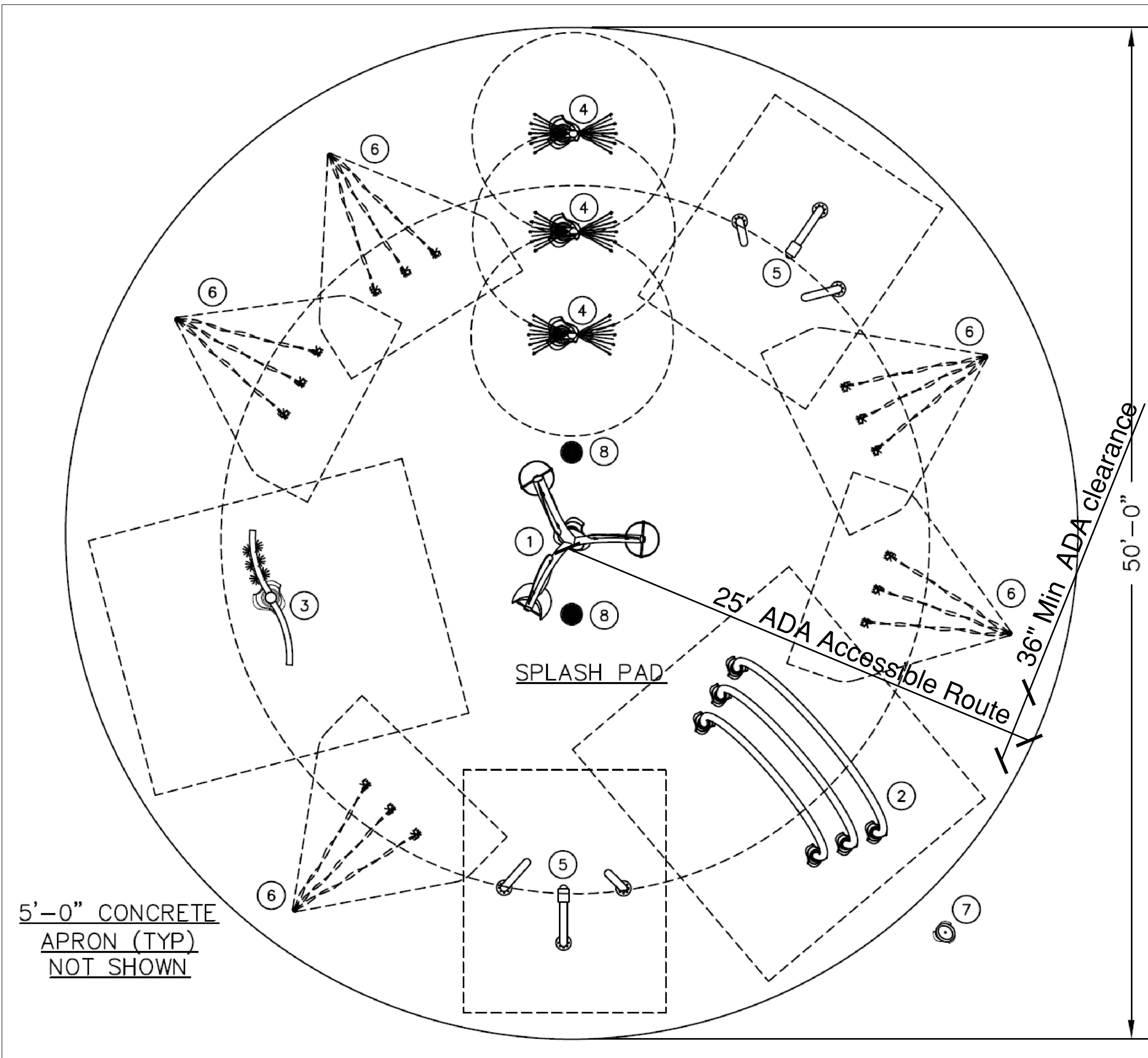
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS	
DRAWN BY	JAG
CHECKED BY	SBT
DATE ISSUED	07/31/26
DATE PRINTED	07/31/26

Accessible Playground, Details & Elevations
HACP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214

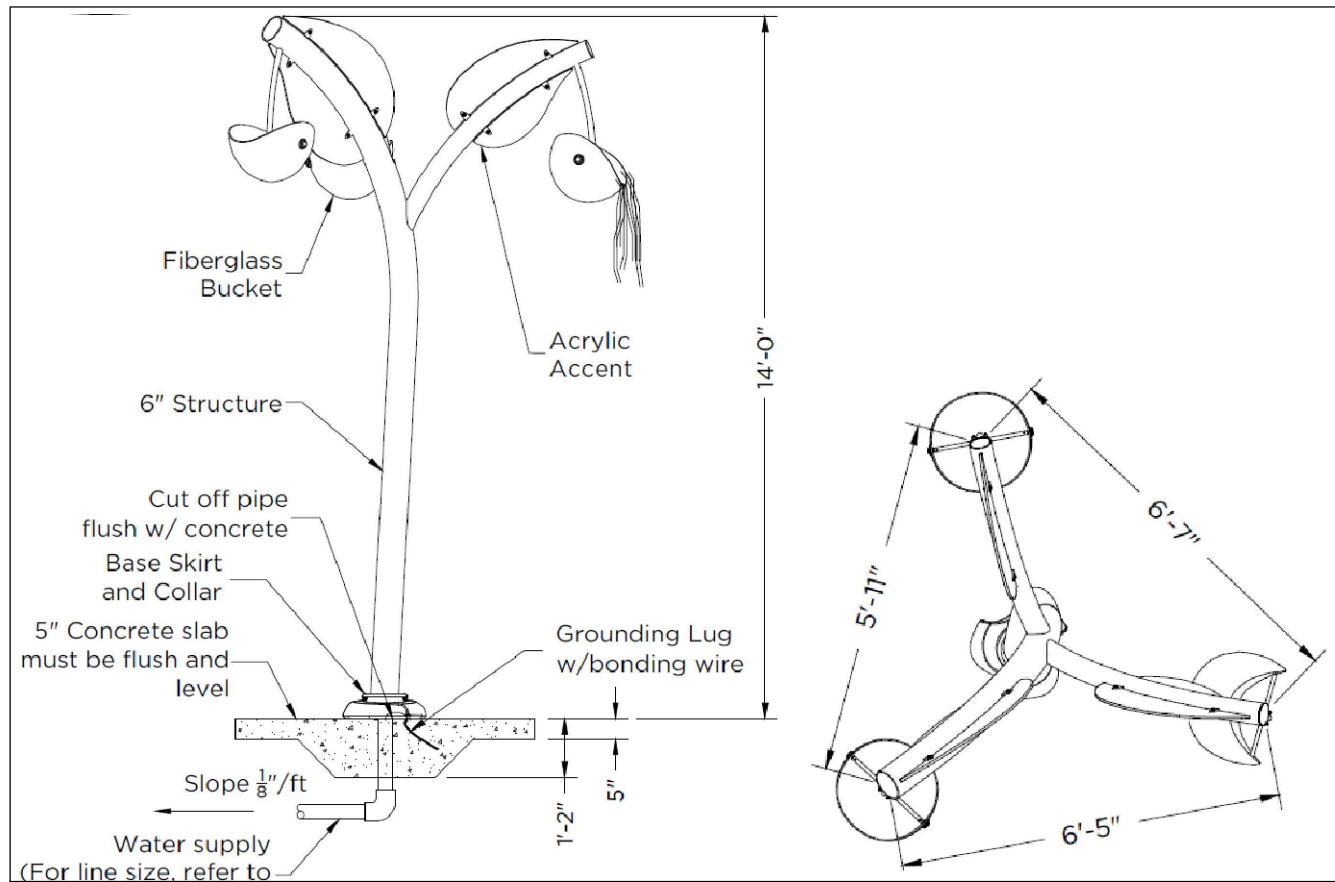
SHEET NUMBER:

L103.6

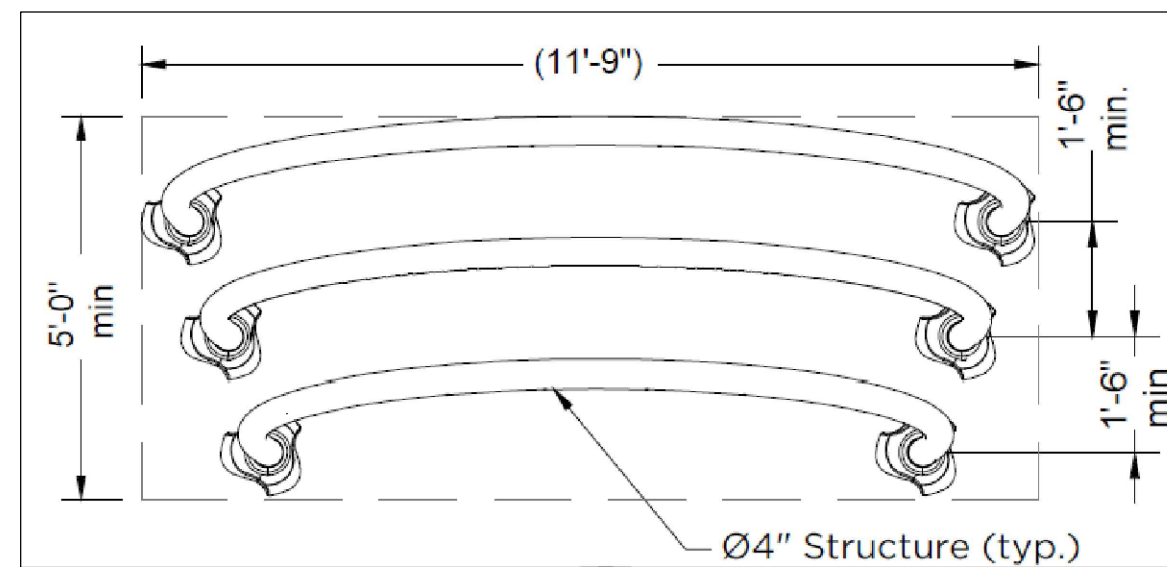


1 Splash Pad Area - Ground Mounted Plan
SCALE: NTS

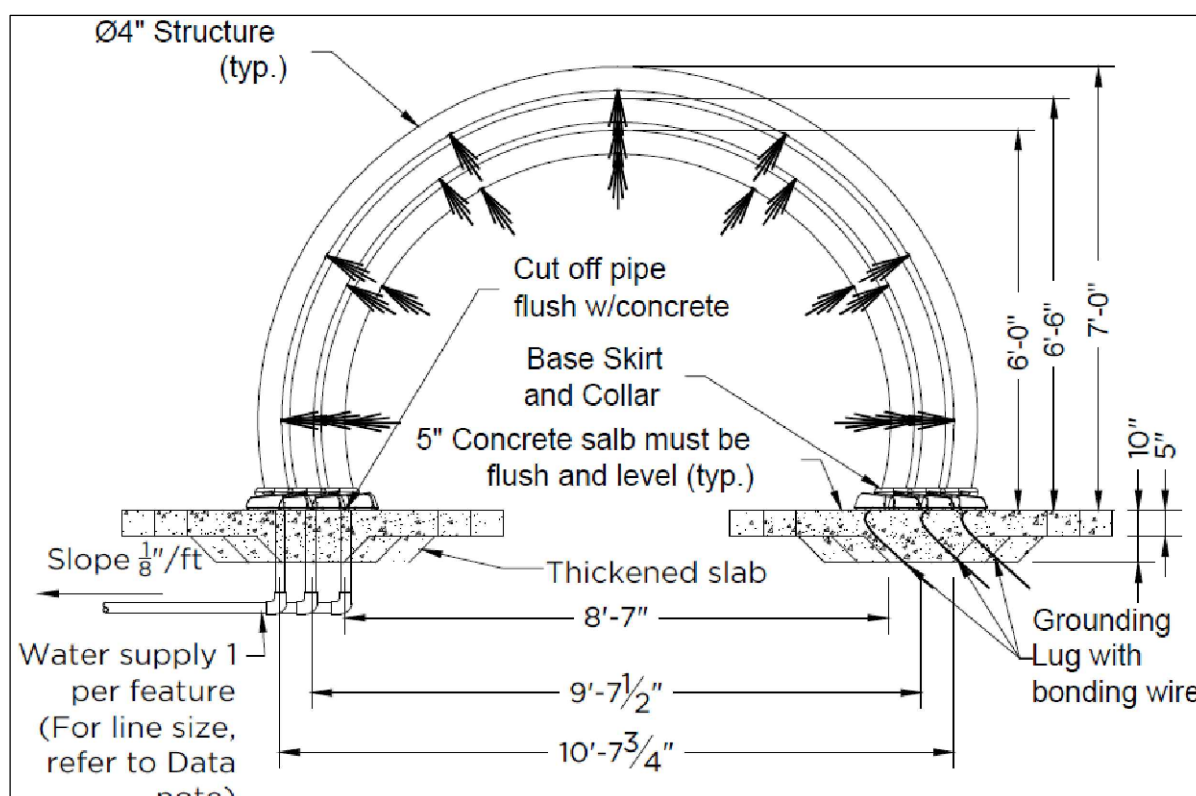
This sheet is information supplied by the equipment manufacturer supplementary intended to provide general use information. This sheet is not construction information. The equipment use is represented as intended for safe recreation use. provide and install the products as they are located and dimensioned in the sheets provided as construction drawings,



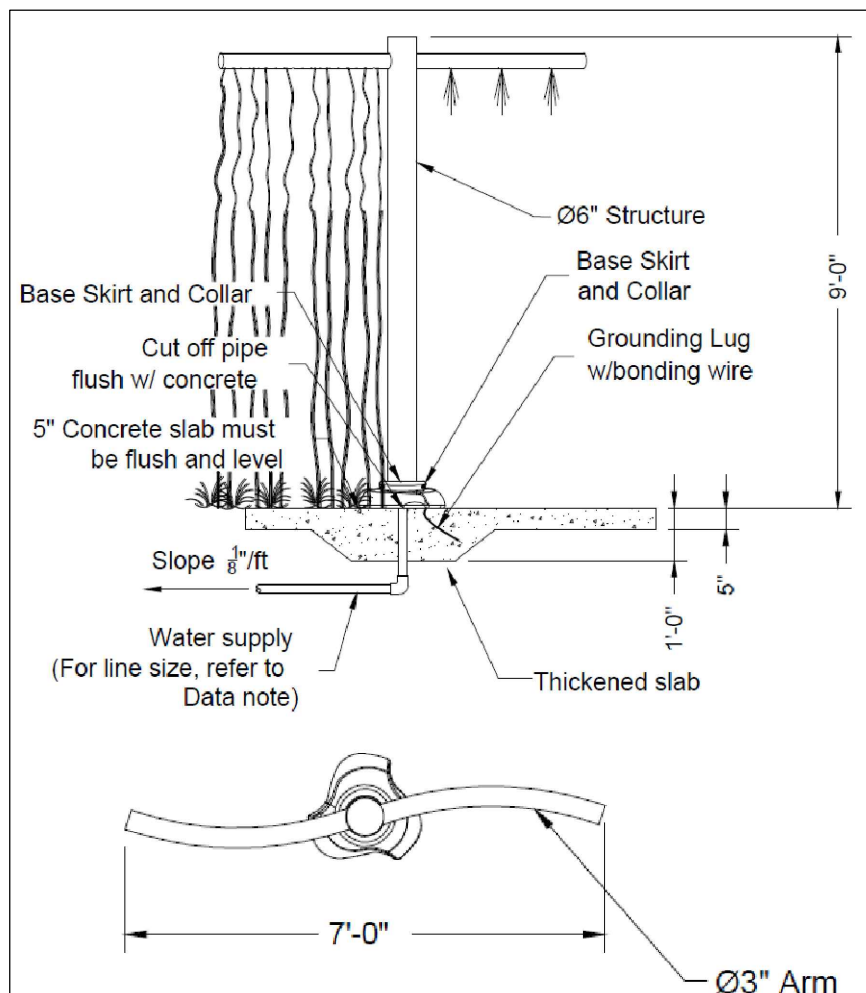
2 Bucket Trio with Acrylic Plan
SCALE: NTS



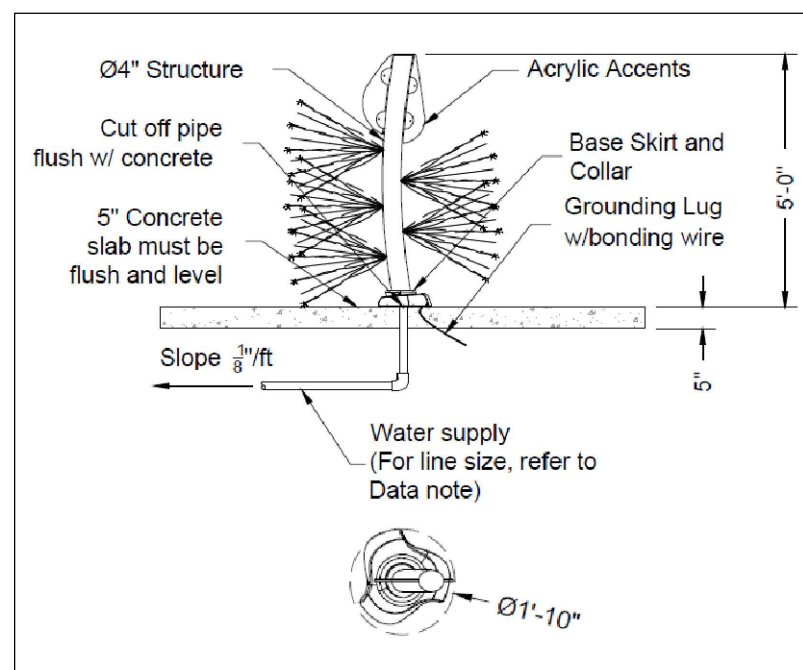
3 Ripplerun Plan
SCALE: NTS



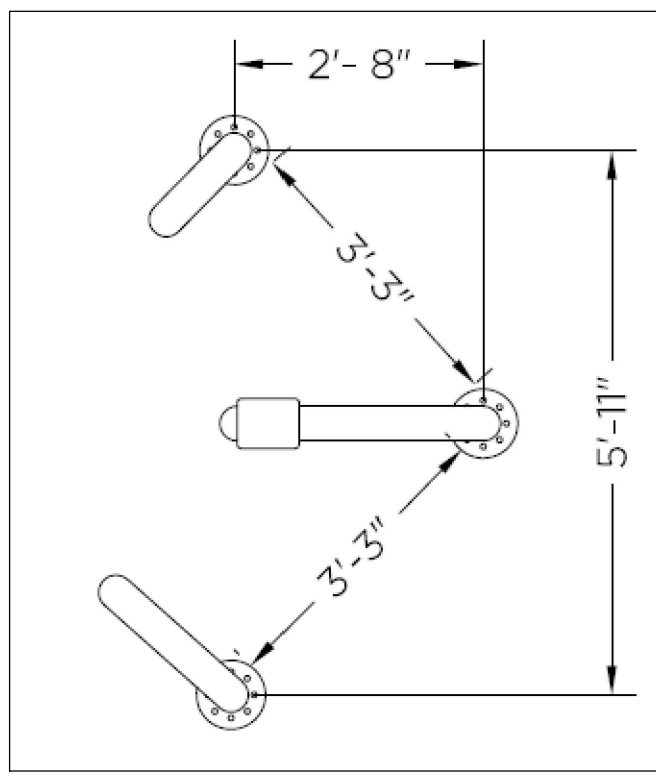
4 Ripplerun Plan
SCALE: NTS



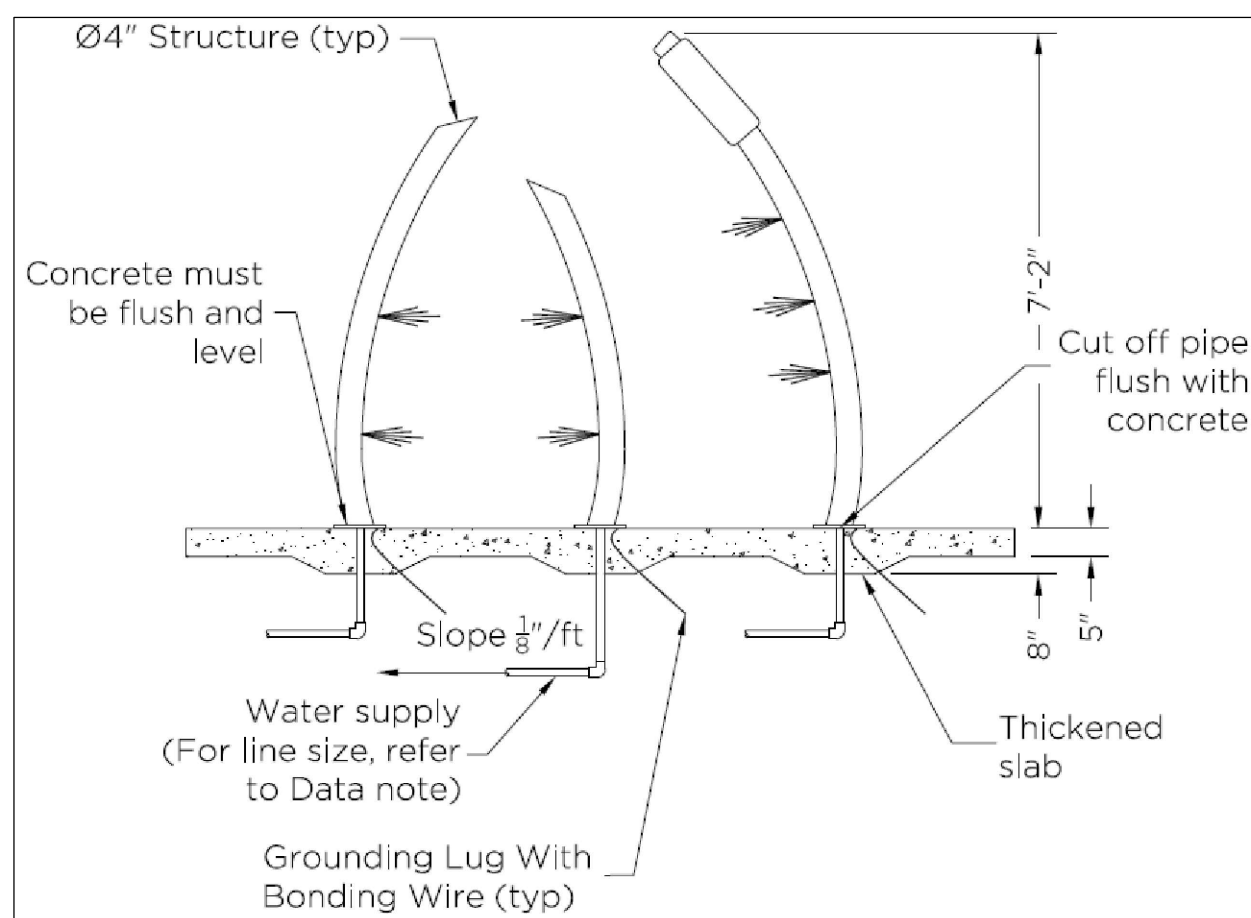
5 Uniflow Plan & Elevation
SCALE: NTS



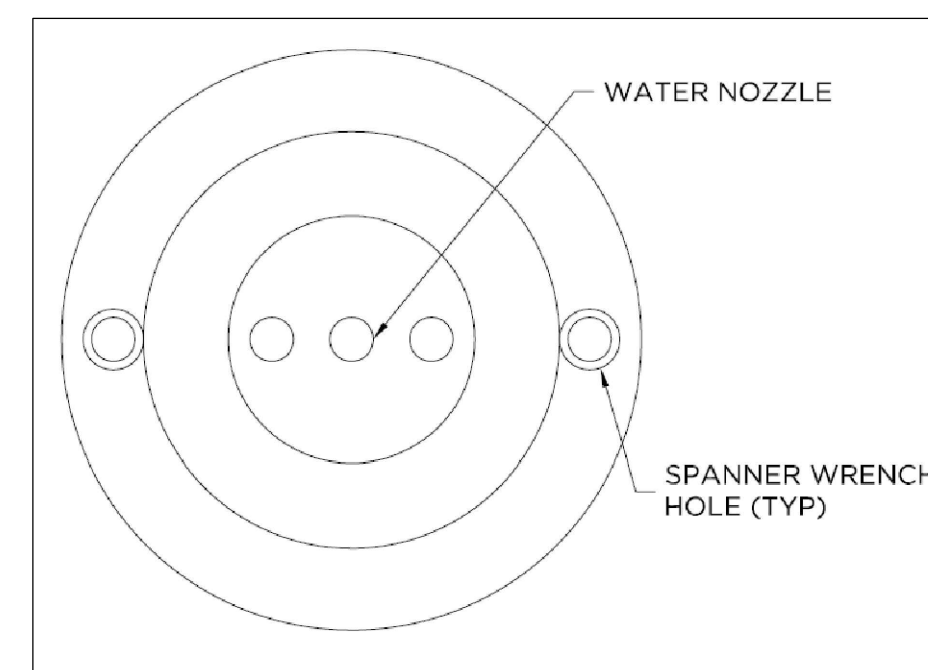
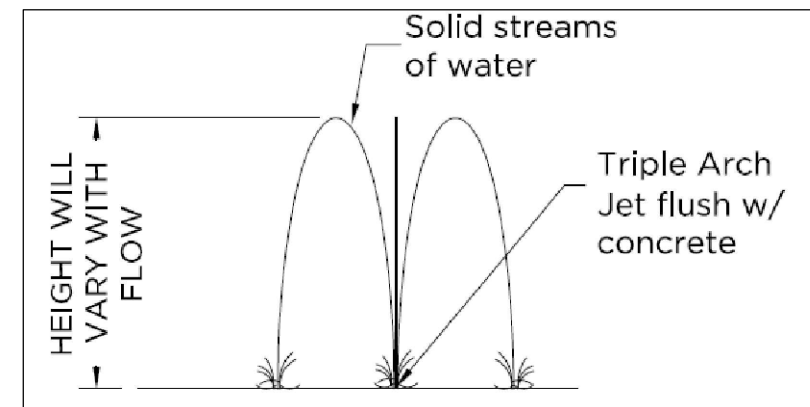
6 Vaporarc Acrylic Plan & Elev.
SCALE: NTS



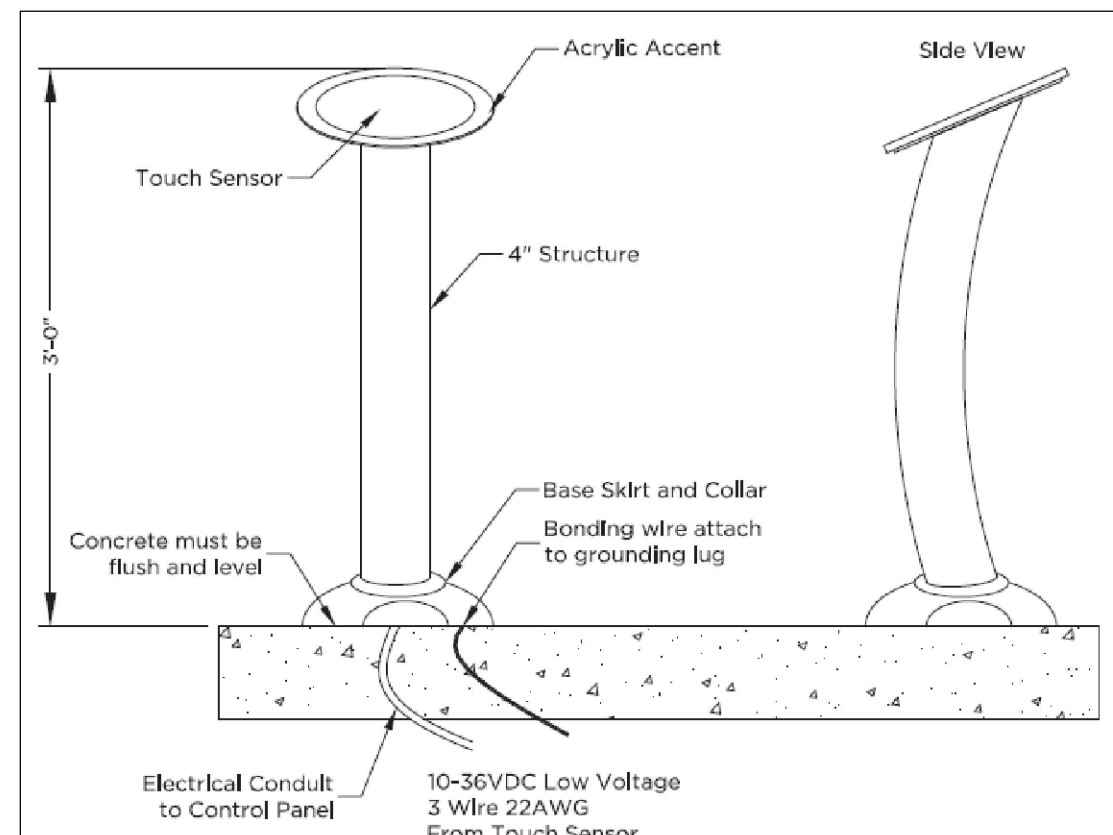
7 Reeds Top Plan
SCALE: NTS



8 Reeds Elevation
SCALE: NTS



9 Triple Arch Jet Nozzle Top Plan & Elev.
SCALE: NTS



10 Aquavator Elevation
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



Dina Slavon

Drawings & Specifications, as Instruments of Service, are the property of the firm and are not to be used for any other project without the written consent of the firm. The firm is not responsible for construction means, methods, techniques, sequences, or construction programs, or for the safety of construction workers or the public.

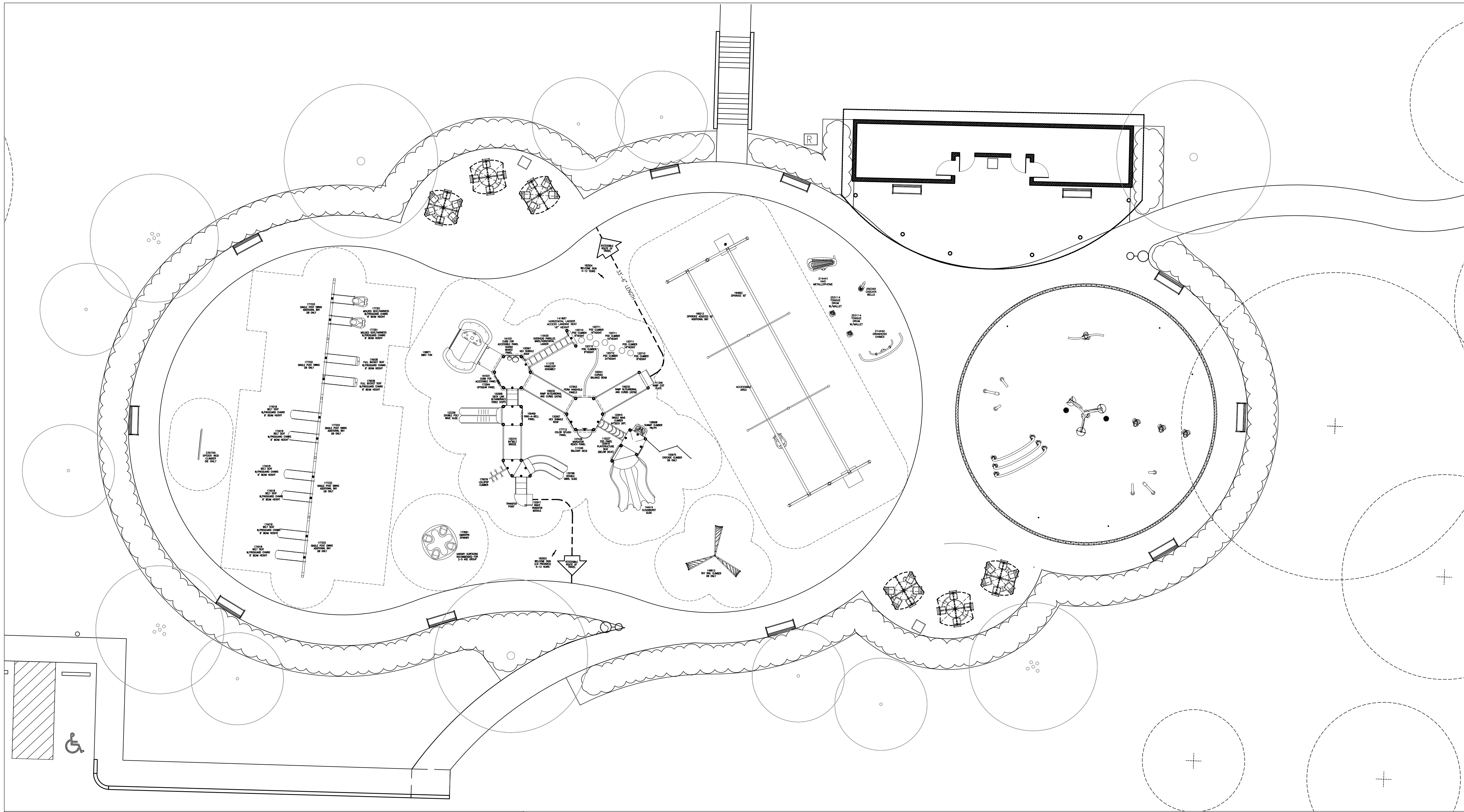
TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS	DRAWN BY	CHECKED BY	DATE ISSUED	DATE PRINTED
	JAG	SBT	07/31/26	07/31/26

Accessible Splash Pad, Details & Elevations
HACP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214

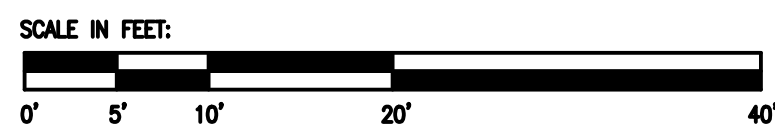
SHEET NUMBER:

L103.7



TOTAL ELEVATED PLAY COMPONENTS
TOTAL ELEVATED COMPONENTS ACCESSIBLE BY RAMP
TOTAL ELEVATED COMPONENTS ACCESSIBLE BY TRANSFER
TOTAL ACCESSIBLE GROUND LEVEL COMPONENTS SHOWN
TOTAL DIFFERENT TYPES OF GROUND LEVEL COMPONENTS

REQUIRED
REQUIRED
REQUIRED
REQUIRED
REQUIRED



PROJ1
PROJ2
LOCATION

REP1
REP2
REPCONTACT

SYSTEM TYPE:
SYS

DRAWING #:
NUMBER



Accessible Elevated Plan

SHEET NUMBER:

L103.8

HACP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214



THIS LAYOUT INCLUDES FITNESS EQUIPMENT FOR USERS OVER 1400MM. IT IS THE MANUFACTURER'S OPINION 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 MANUFACTURER'S 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



DRAWINGS & SPECIFICATIONS AS INSTRUMENTS OF SERVICE ARE NOT TO BE USED FOR ANY OTHER PROJECTS WITHOUT THE WRITTEN CONSENT OF THE FIRM. THE FIRM IS NOT RESPONSIBLE FOR CONFORMING AND CORRELATING DIMENSIONS AT CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR CONSTRUCTION OF THE PROJECT WITH THE PROJECT.

o Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

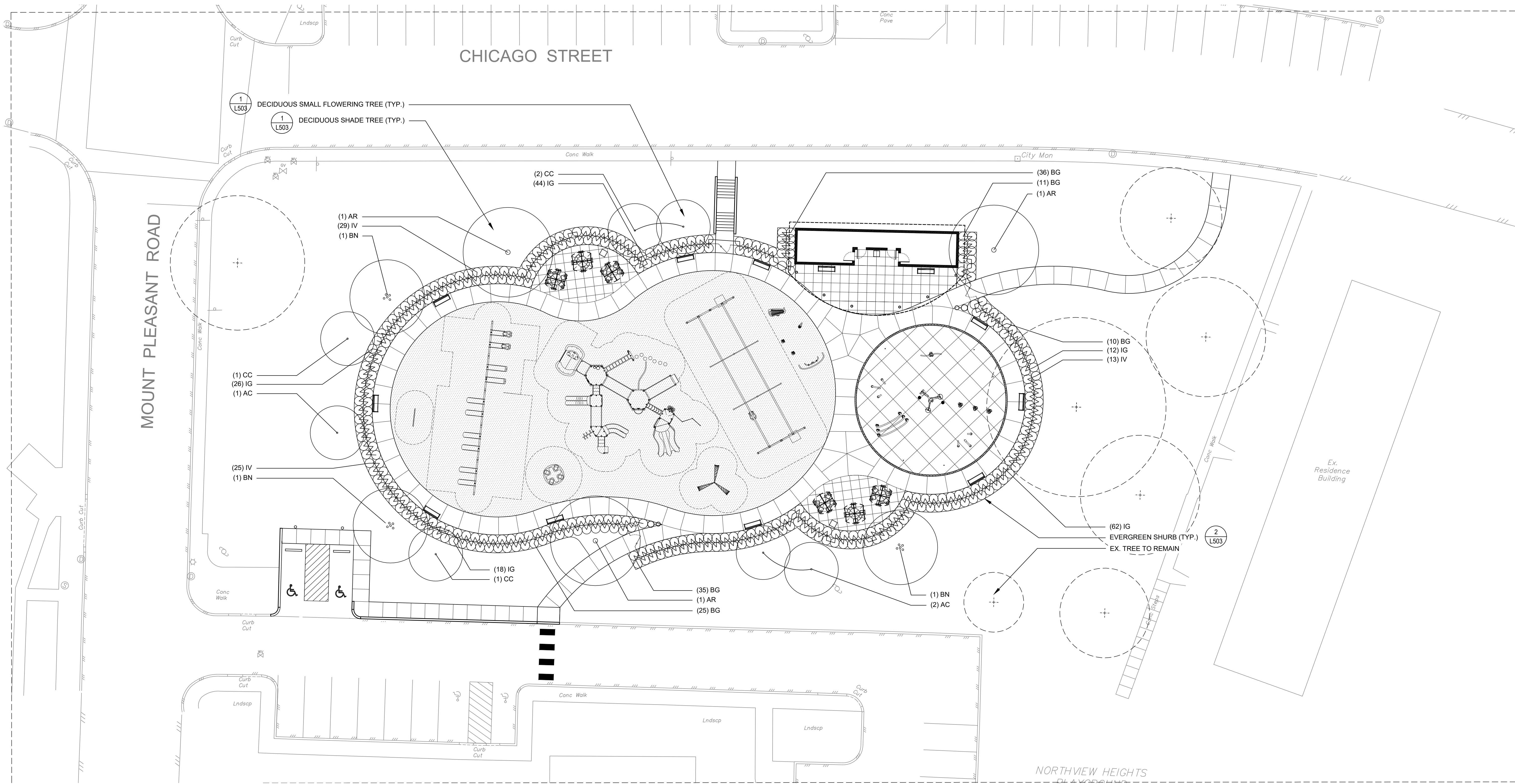
REVISIONS

DRAWN BY
JAG

CHECKED BY
SBT

DATE ISSUED
07/31/26

DATE PRINTED
07/31/26



1 LANDSCAPE PLAN
SCALE: 1/16" = 1'-0"

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 CIVIL ENGINEERING DRAWINGS FOR COORDINATION ITEMS AND CIVIL DETAILS.
10. REFER TO SPECIFICATIONS FOR SITE MATERIAL SELECTIONS.

LEGEND

	PROPOSED CONCRETE PAVING		EXISTING TREE TO REMAIN
	PROPOSED PLAYGROUND SAFETY SURFACING		PROPOSED TREE
	PROPOSED CONCRETE CURB		PROPOSED SHRUB
	PROPOSED FENCE		
	PROPOSED TRENCH DRAIN		
	PROPOSED TABLE & CHAIRS WITH SHADE CANOPY		
	PROPOSED BENCH		
	PROPOSED TRASH RECEPTACLE		
	PROPOSED DRINKING FOUNTAIN		

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 DISTURBED AREAS AND AREAS NOTED SHALL BE SEEDED WITH LAWN, OR REPLACED IN KIND.



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 parties. The Architect shall not be responsible for construction means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with the project.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

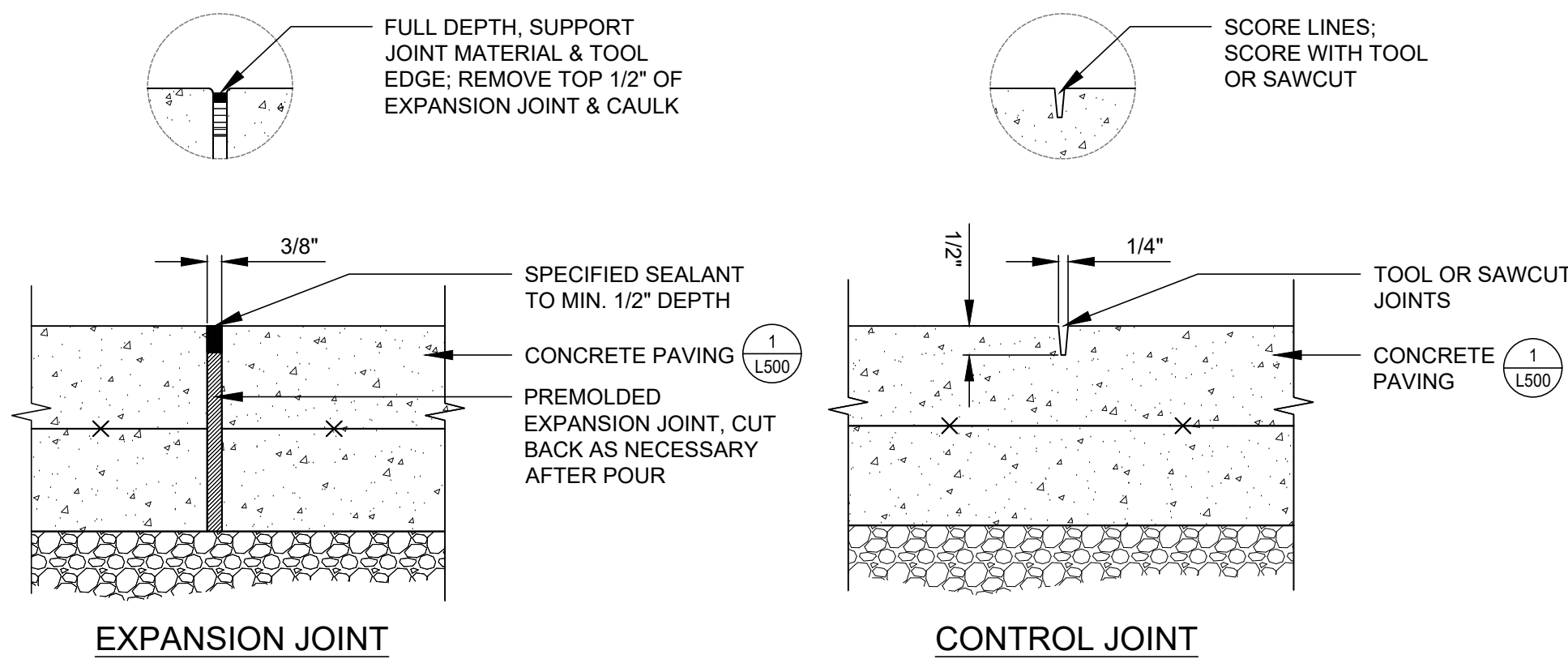
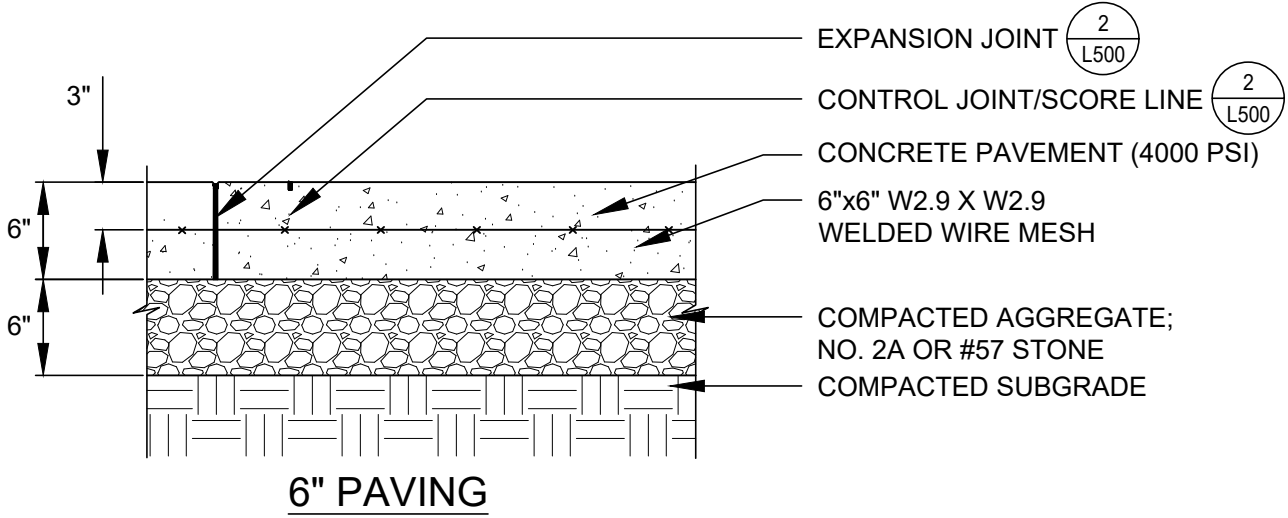
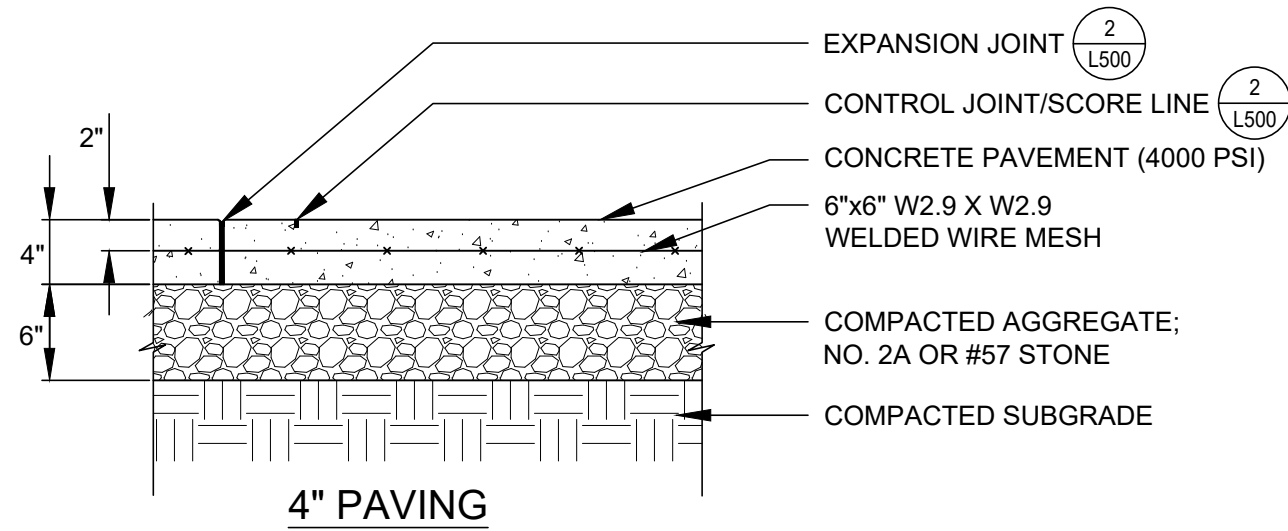
REVISIONS	
DRAWN BY	ARG
CHECKED BY	DKH
DATE ISSUED	07/31/26
DATE PRINTED	07/31/26

Landscape Plan

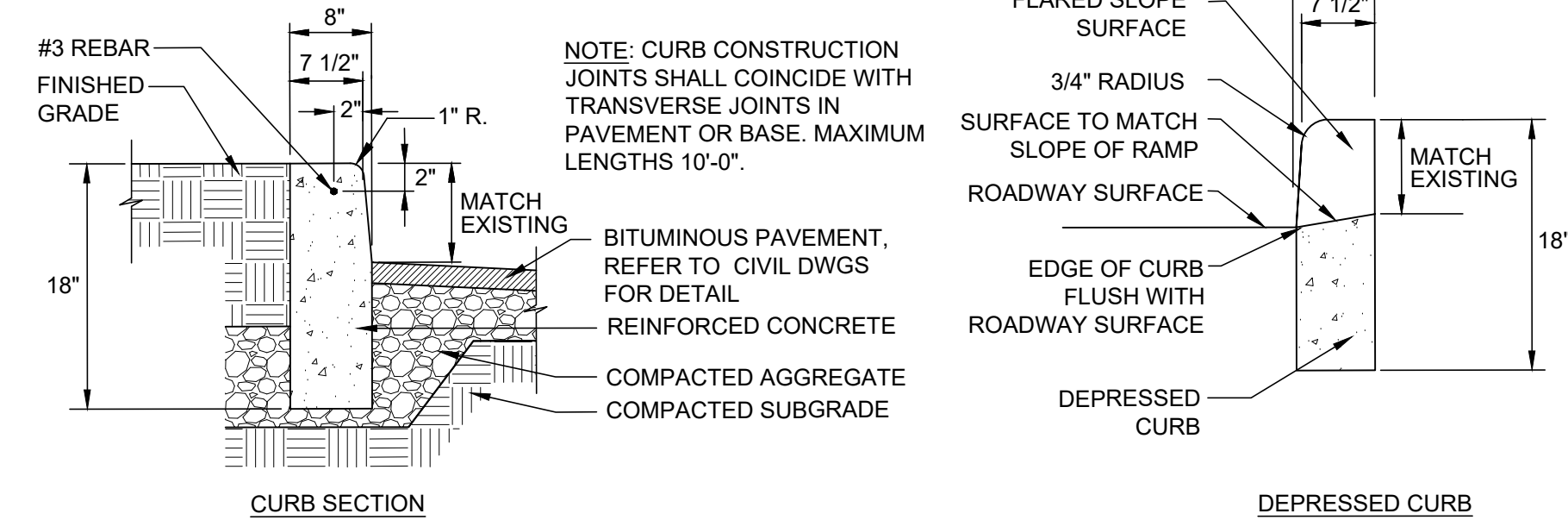
Northview Heights Playground
Mt. Pleasant Road
Pittsburgh, PA 15214

SHEET NUMBER:

L106



- NOTES:
1. REFER TO LAYOUT PLAN FOR EXPANSION JOINTS INTERVALS.
 2. DOWEL IS TYPICAL AT ALL EXPANSION JOINTS EXCEPT AGAINST VERTICAL JOINTS.



1 CONCRETE PAVING

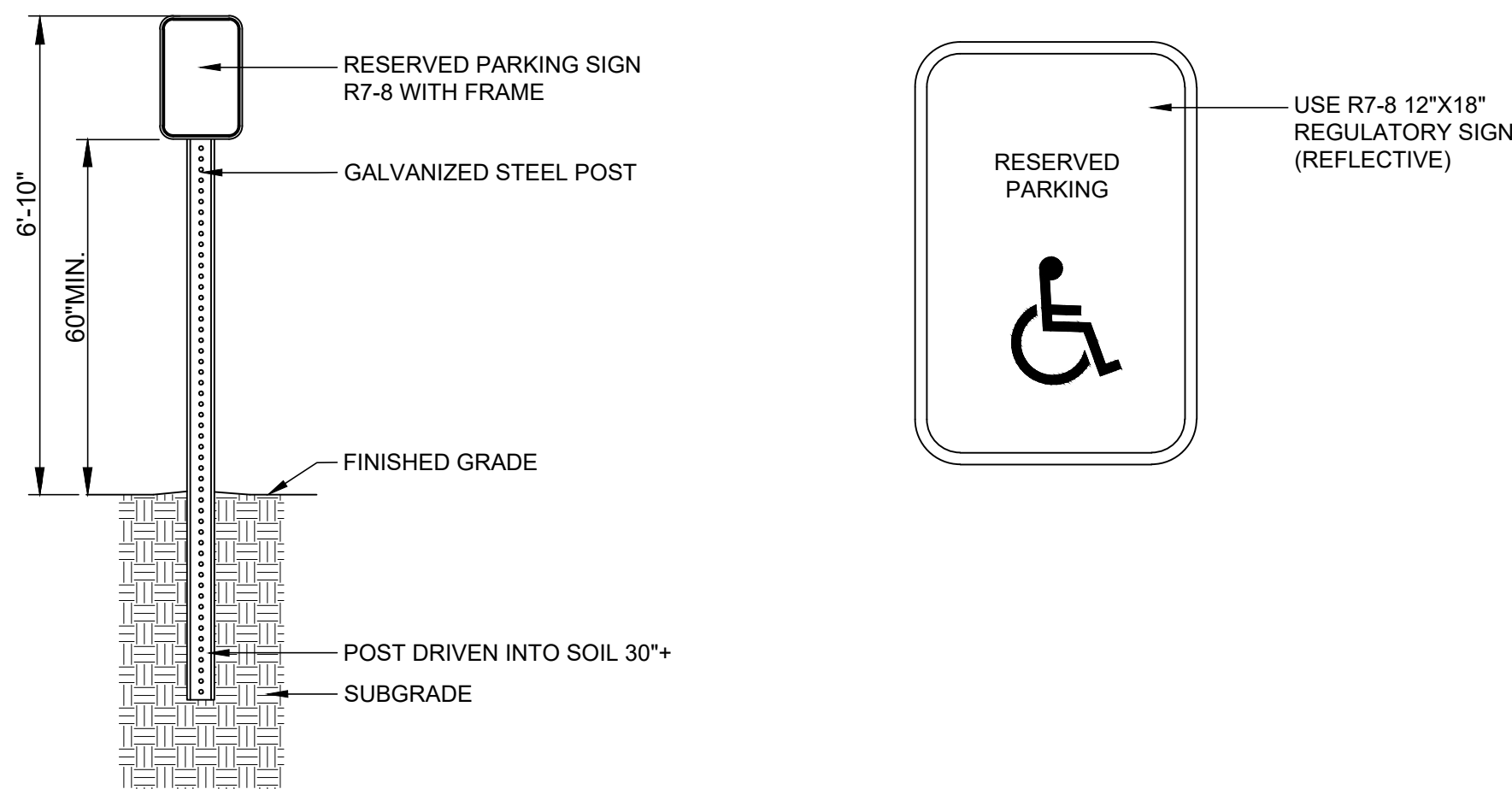
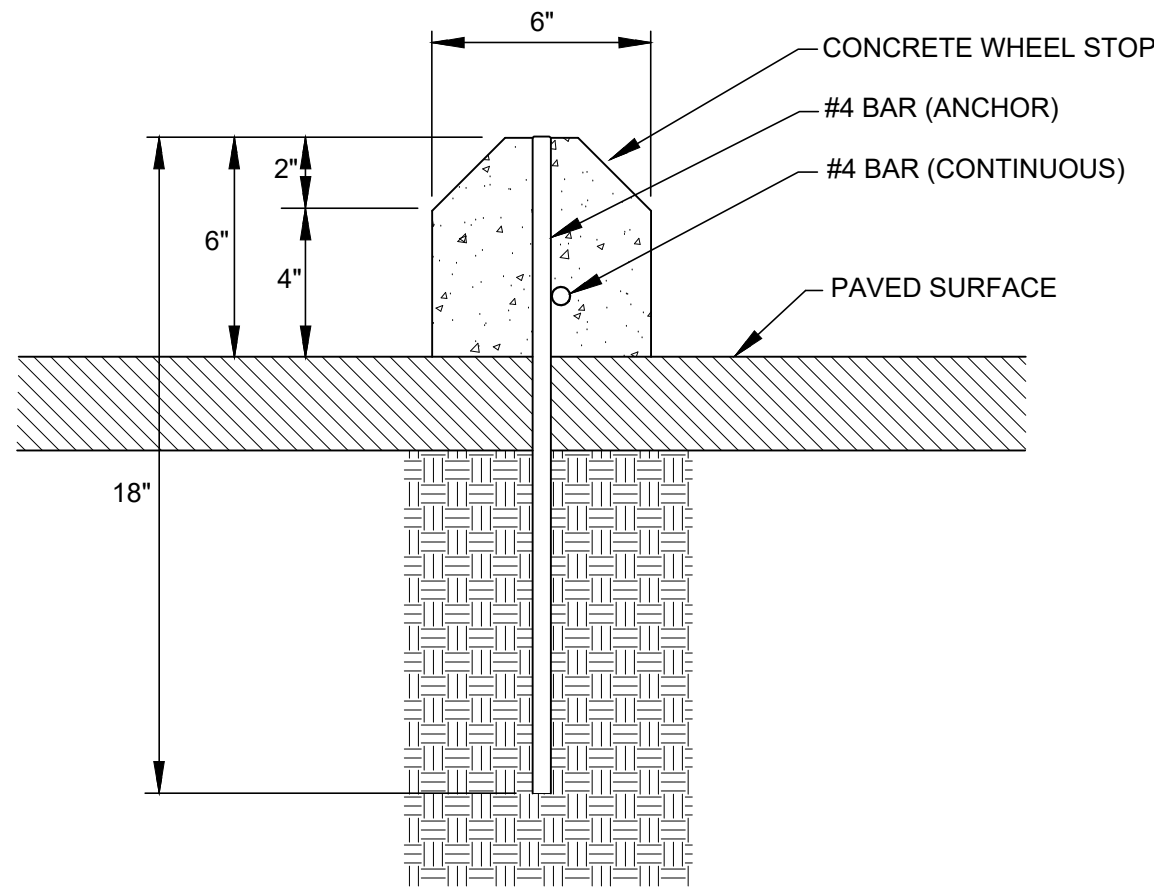
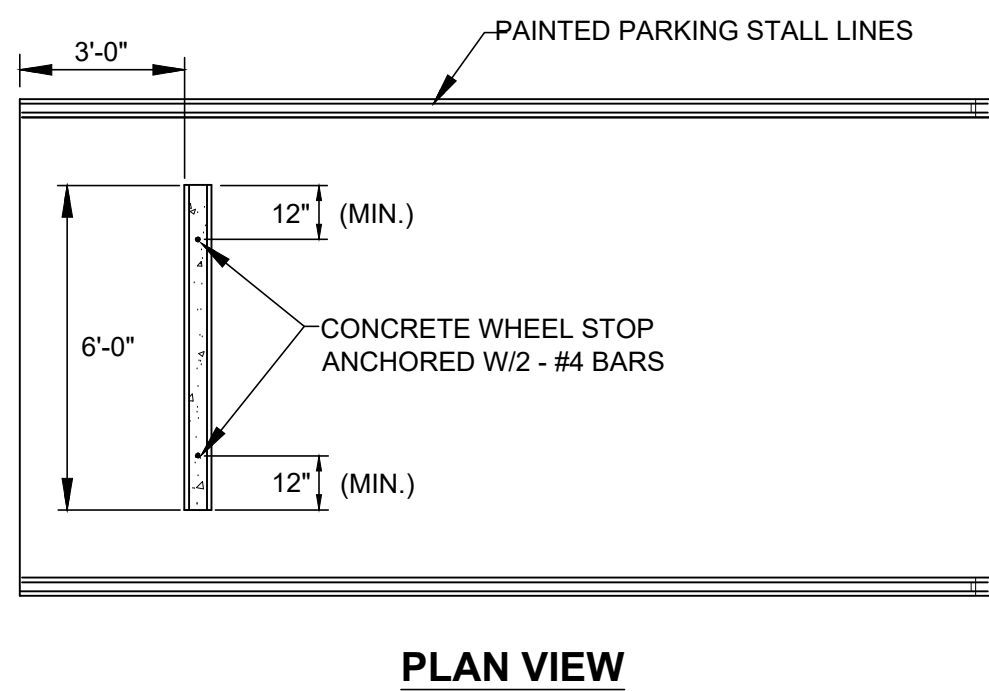
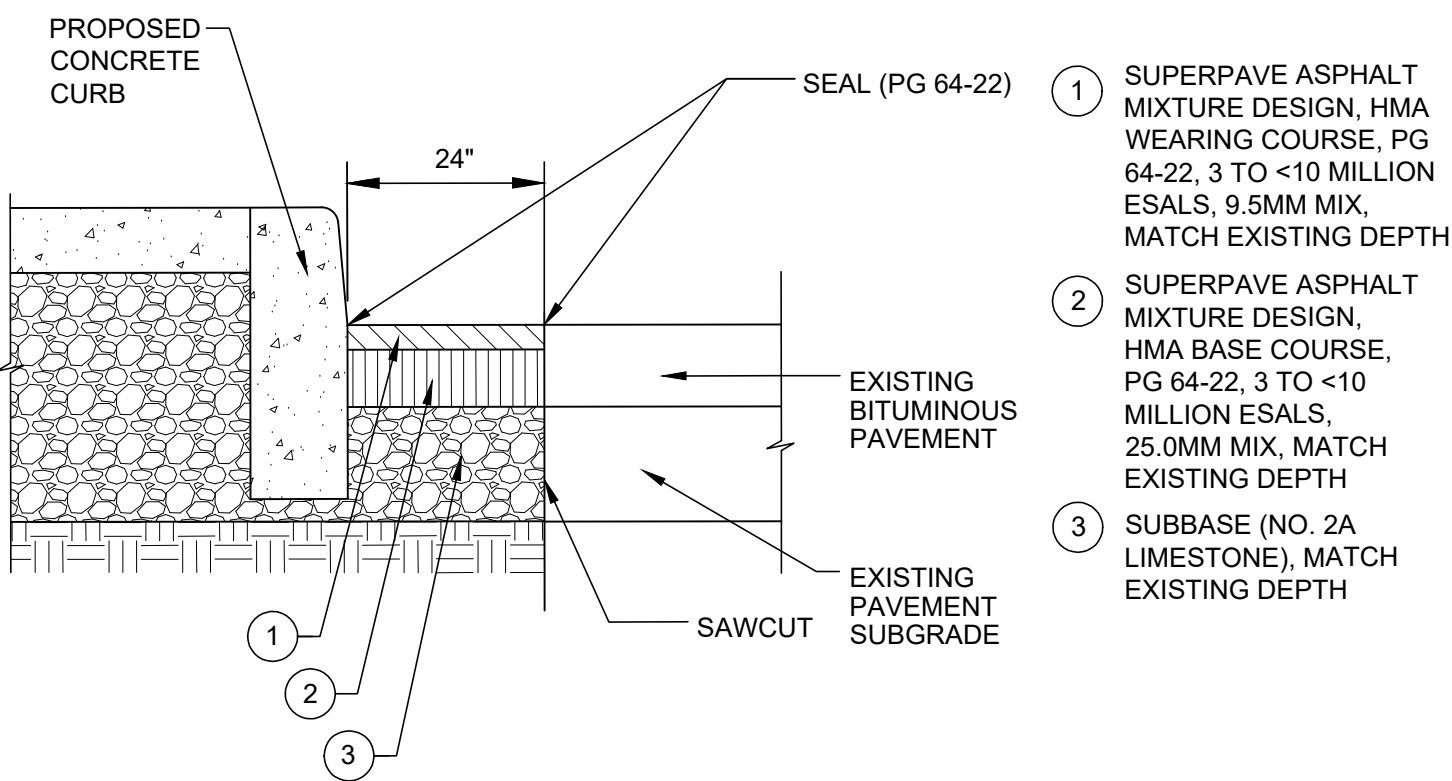
SCALE: 1" = 1'-0"

2 CONCRETE JOINTS

SCALE: N.T.S.

3 CONCRETE CURB

SCALE: 1" = 1'-0"



4 PAVEMENT RESTORATION

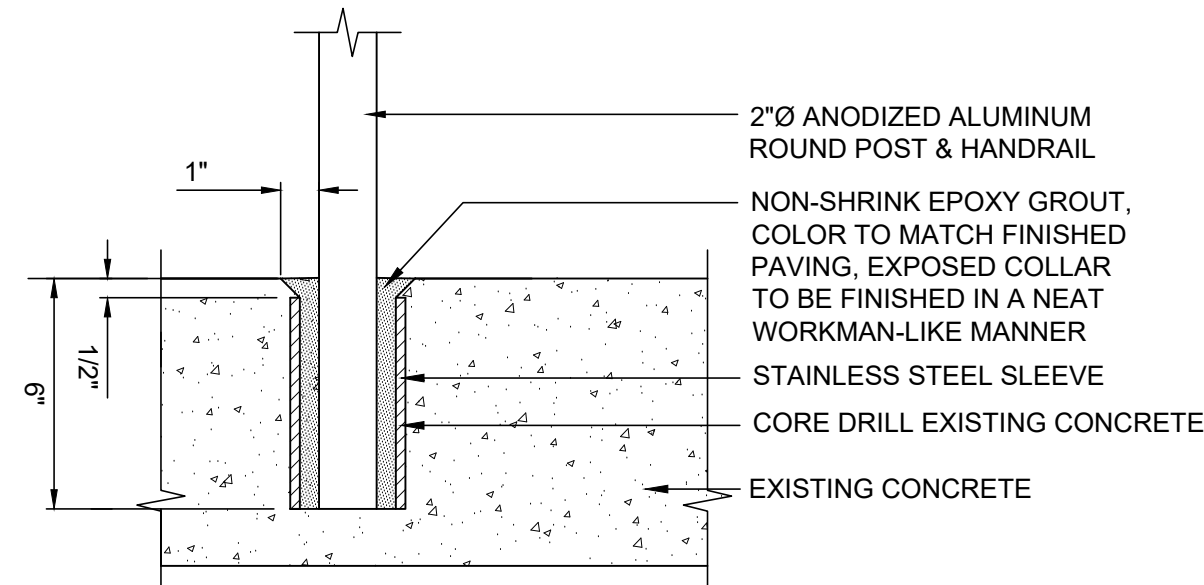
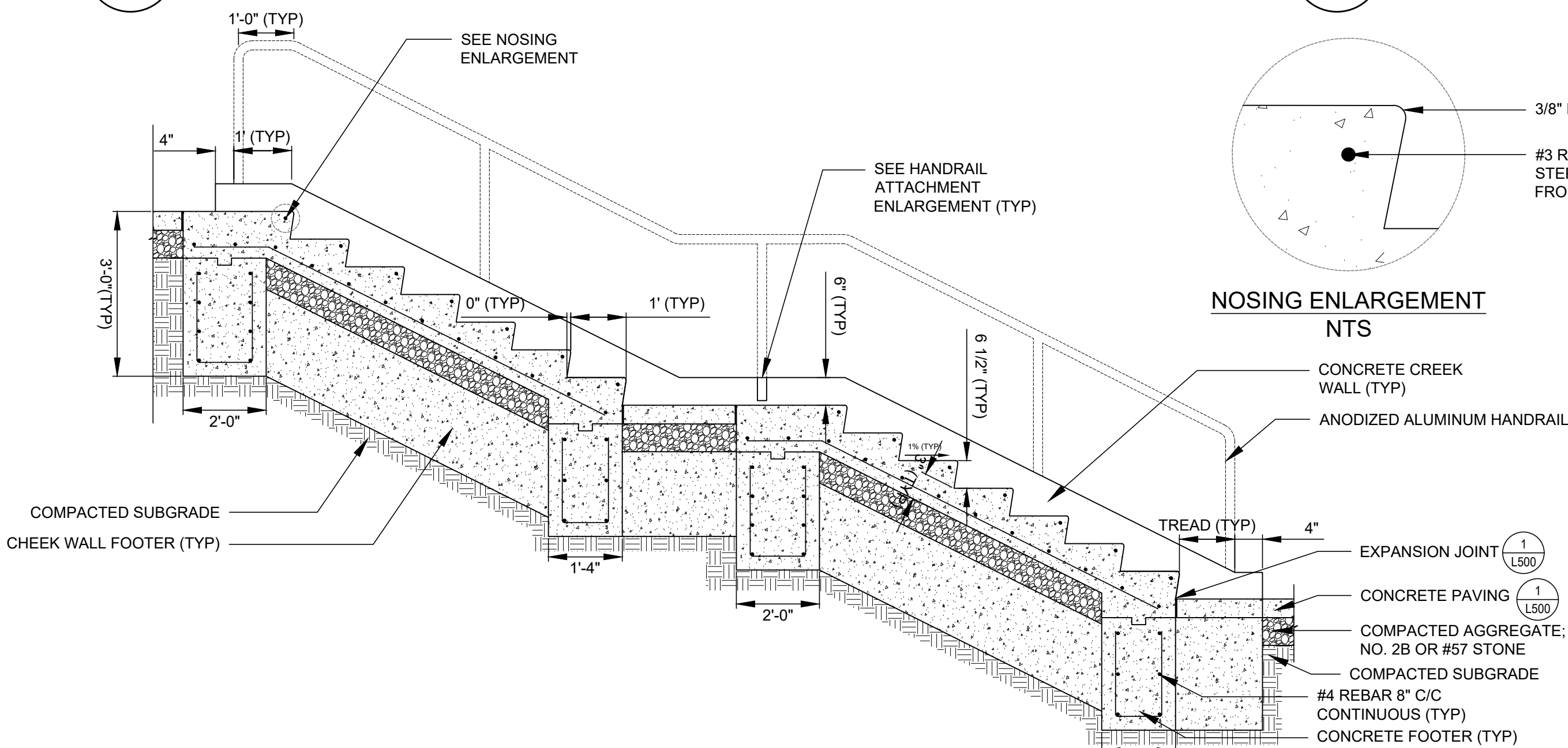
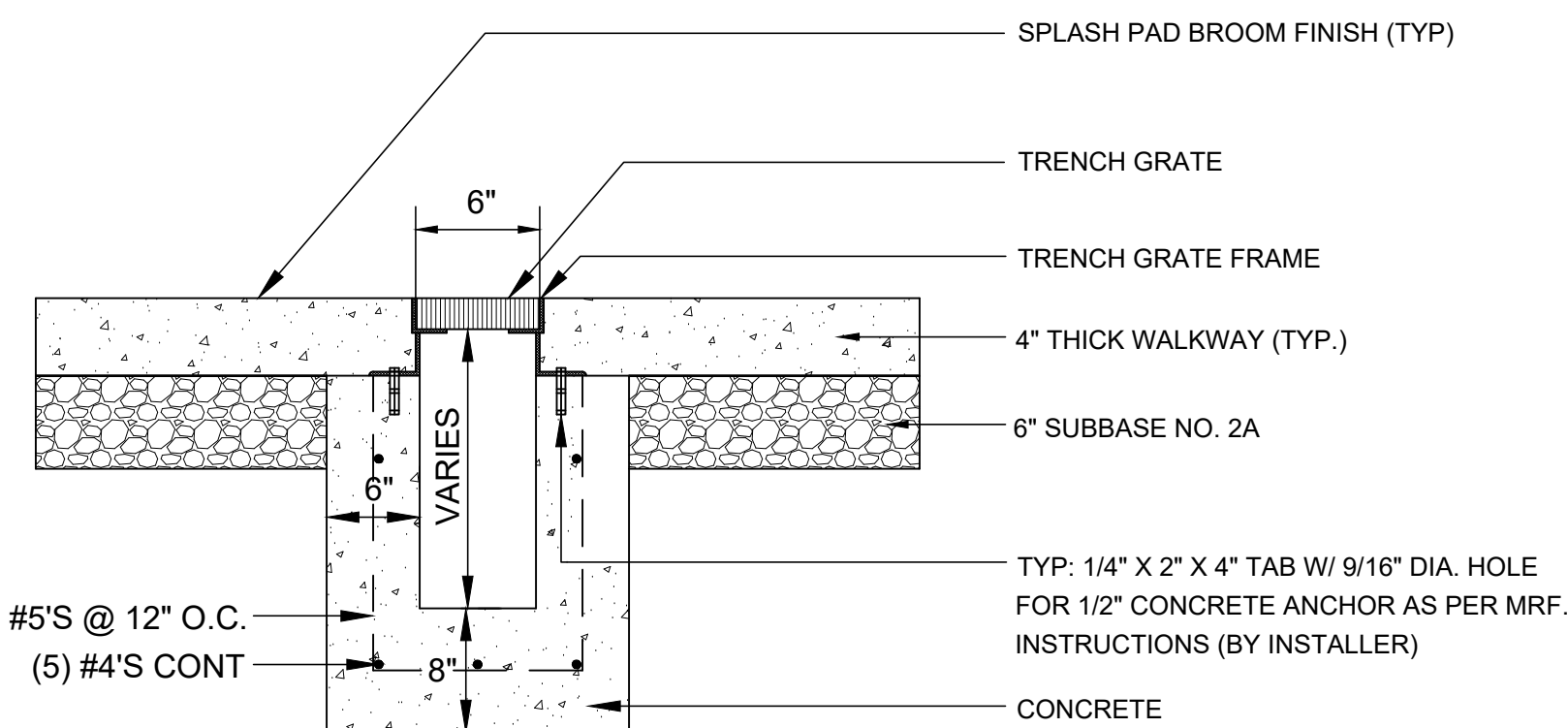
SCALE: 1" = 1'-0"

5 CONCRETE WHEEL STOP

SCALE: N.T.S.

6 RESERVED PARKING SIGN

SCALE: N.T.S.



7 TRENCH DRAIN

SCALE: N.T.S.

8 CONCRETE STAIRS WITH KNEE WALL

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 projects. 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.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-81-8896, Email: info@tusickarchitects.com

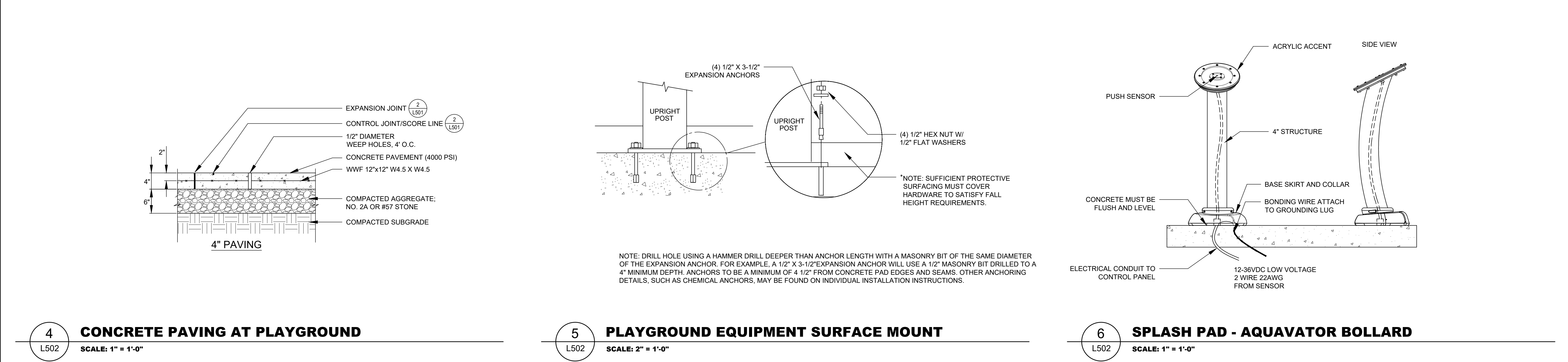
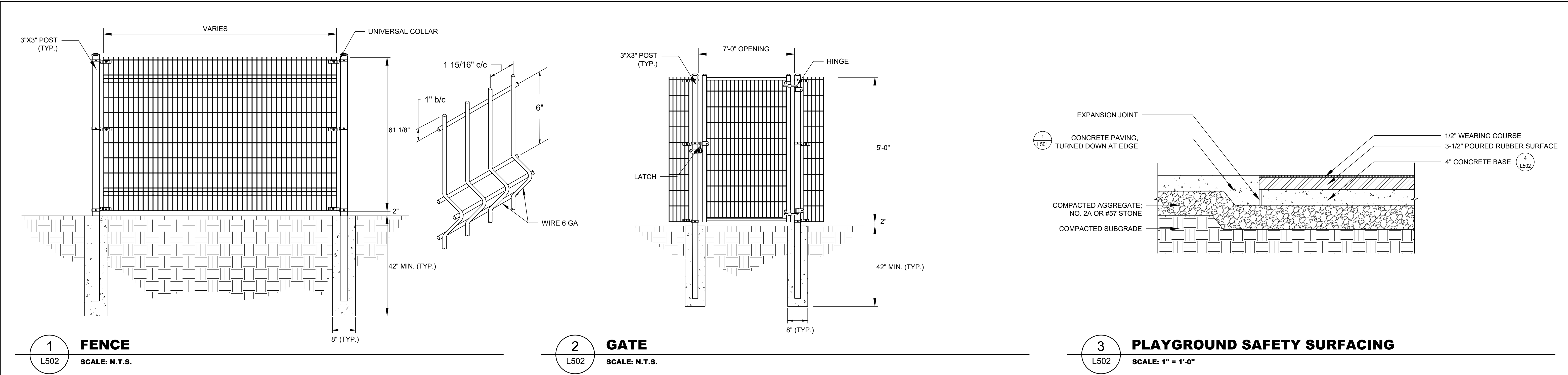
REVISIONS			
DRAWN BY	ARG	CHECKED BY	DATE
DKH			07/31/26
DATE ISSUED		DATE PRINTED	07/31/26

Site Details

Northview Heights Playground
Mt. Pleasant Road
Pittsburgh, PA 15214

SHEET NUMBER:

L501



Dima Klavon

Drawings and Specifications, as instruments of service, are not to be used on extensions of the project, or other projects, except by agreement in writing with appropriate authority. 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

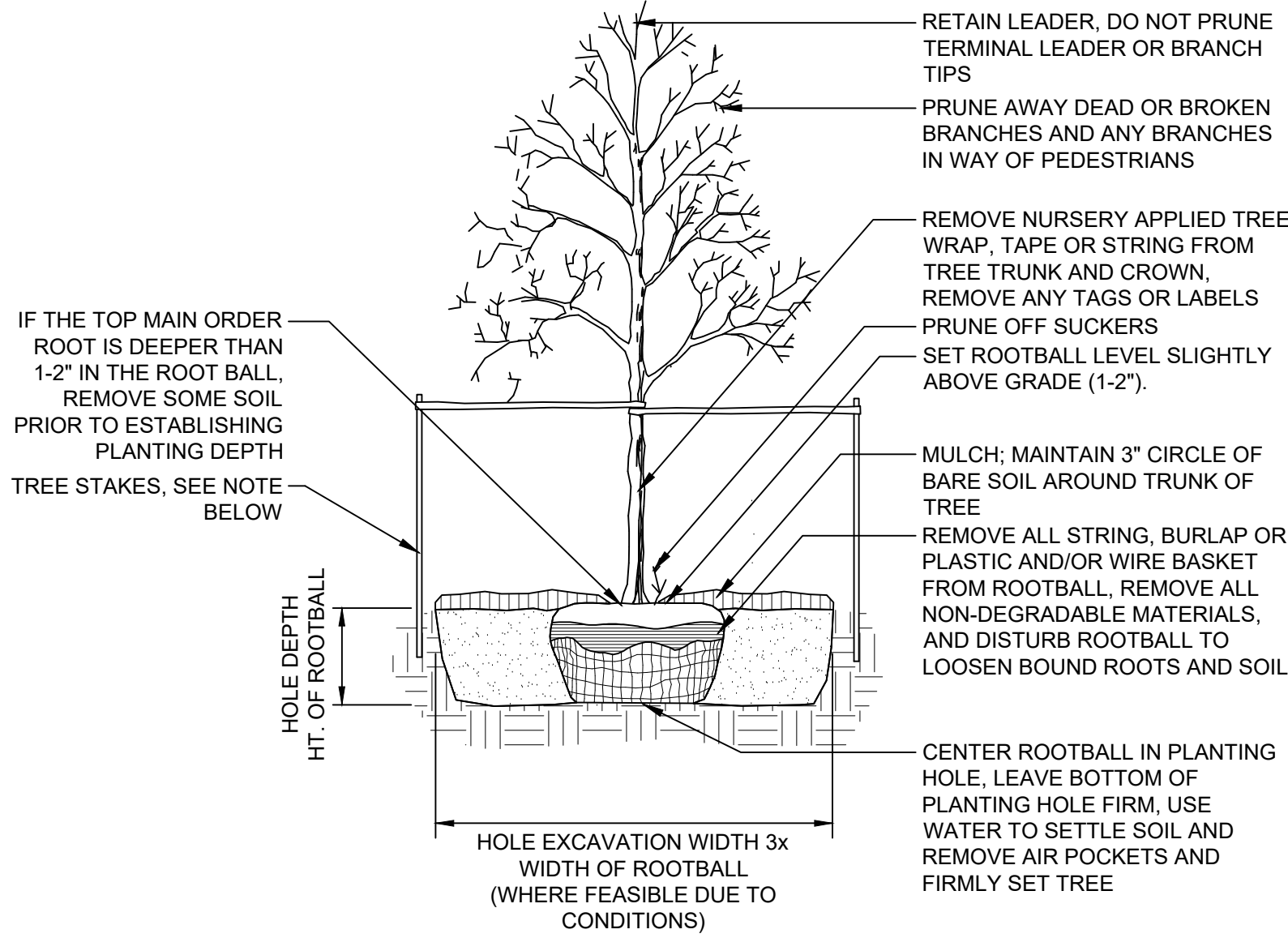
REVISIONS	
DRAWN BY	ARG
CHECKED BY	DKH
DATE ISSUED	07/31/26
DATE PRINTED	07/31/26

Site Details

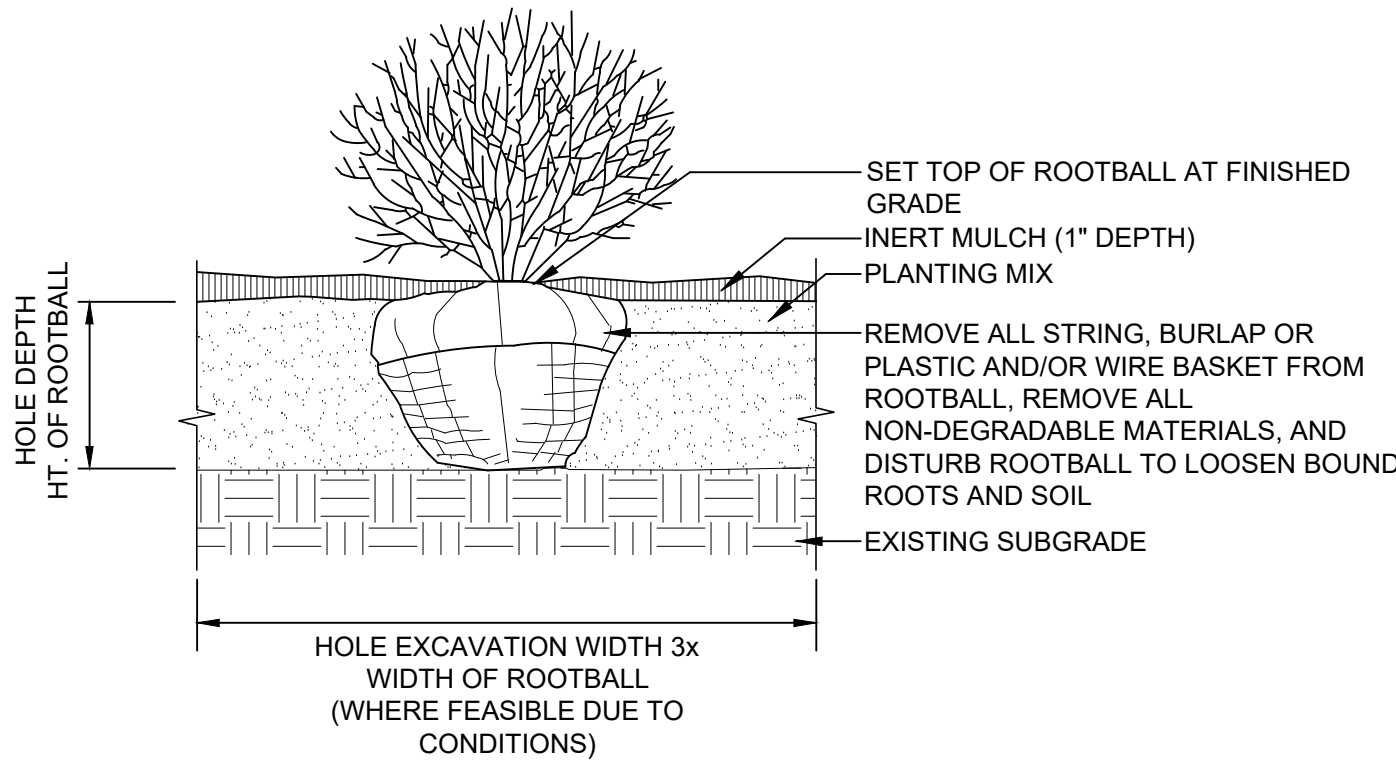
Northview Heights Playground
Mt. Pleasant Road
Pittsburgh, PA 15214

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.



SHRUB PLANTING DETAIL

SCALE: 1" = 1'-0"

1

TREE PLANTING DETAIL

SCALE: 1" = 1'-0"

2



Dima 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 parties. The Architect shall 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.



Tusick & Associates Architects, Inc.

123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

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.

EXISTING LEGEND:

	OVERHEAD ELECTRIC LINE
	UNDERGROUND ELECTRIC
	UP
	GUIDE WIRE
	ELECTRIC METER
	ELECTRIC TRANSFORMER
	LIGHT POLE
	GAS LINE
	GAS VALVE
	GAS MARKER
	GAS METER
	WATER LINE
	WATER VALVE
	HYDRANT
	SANITARY SEWER
	COMBINATION SEWER
	SANITARY MANHOLE
	CLEANOUT
	MANHOLE
	STORM SEWER
	STORM MANHOLE
	CATCH BASIN
	END WALL
	COMMUNICATION MANHOLE
	COMMUNICATION BOX
	COMMUNICATION VAULT
	CURB
	SURVEY MARKERS
	EDGE OF PAVEMENT (NO CURB)
	MAJOR CONTOUR
	MINOR CONTOUR

PROPOSED LEGEND:

	MAJOR CONTOUR
	MINOR CONTOUR
	SPOT ELEVATION
	CONCRETE SIDEWALK W/ JOINTS
	CONCRETE PAVEMENT
	UNDERGROUND ELECTRIC
	GAS LINE
	WATER LINE
	SANITARY SEWER
	STORM SEWER
	MANHOLE
	TRENCH DRAIN

UPDATED
DRAWING
LIST

NEW SHEETS

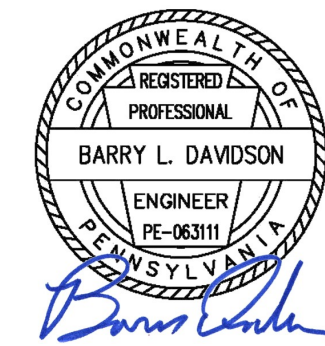
SYMBOL ADDED

CIVIL DRAWINGS

SHEET NUMBER	DESCRIPTION
C001	GENERAL NOTES AND LEGEND
C101	EXISTING CONDITIONS PLAN
C102	SITE DEMOLITION PLAN
C201	SITE IMPROVEMENTS PLAN
C301	GRADING PLAN
C401	STORMWATER MANAGEMENT, UTILITY, AND DRAINAGE PLAN
C501	CONSTRUCTION DETAILS
C502	STORMWATER MANAGEMENT CONSTRUCTION DETAILS
C503	CONSTRUCTION DETAILS
C504	CONSTRUCTION DETAILS
C505	CONSTRUCTION DETAILS
C506	CONSTRUCTION DETAILS
C507	PARTIAL SITE PLAN AND PROFILES
C508	CONSTRUCTION DETAILS I
C509	CONSTRUCTION DETAILS II
C601	EROSION & SEDIMENT CONTROL PLAN
C602	EROSION & SEDIMENT CONTROL DETAILS
C603	EROSION & SEDIMENT CONTROL DETAILS
C604	EROSION & SEDIMENT CONTROL DETAILS

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.



Drawings and Specifications, as instruments of service, are not to be used on extensions of the project, or other projects, except by agreement in writing with appropriate authority. 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

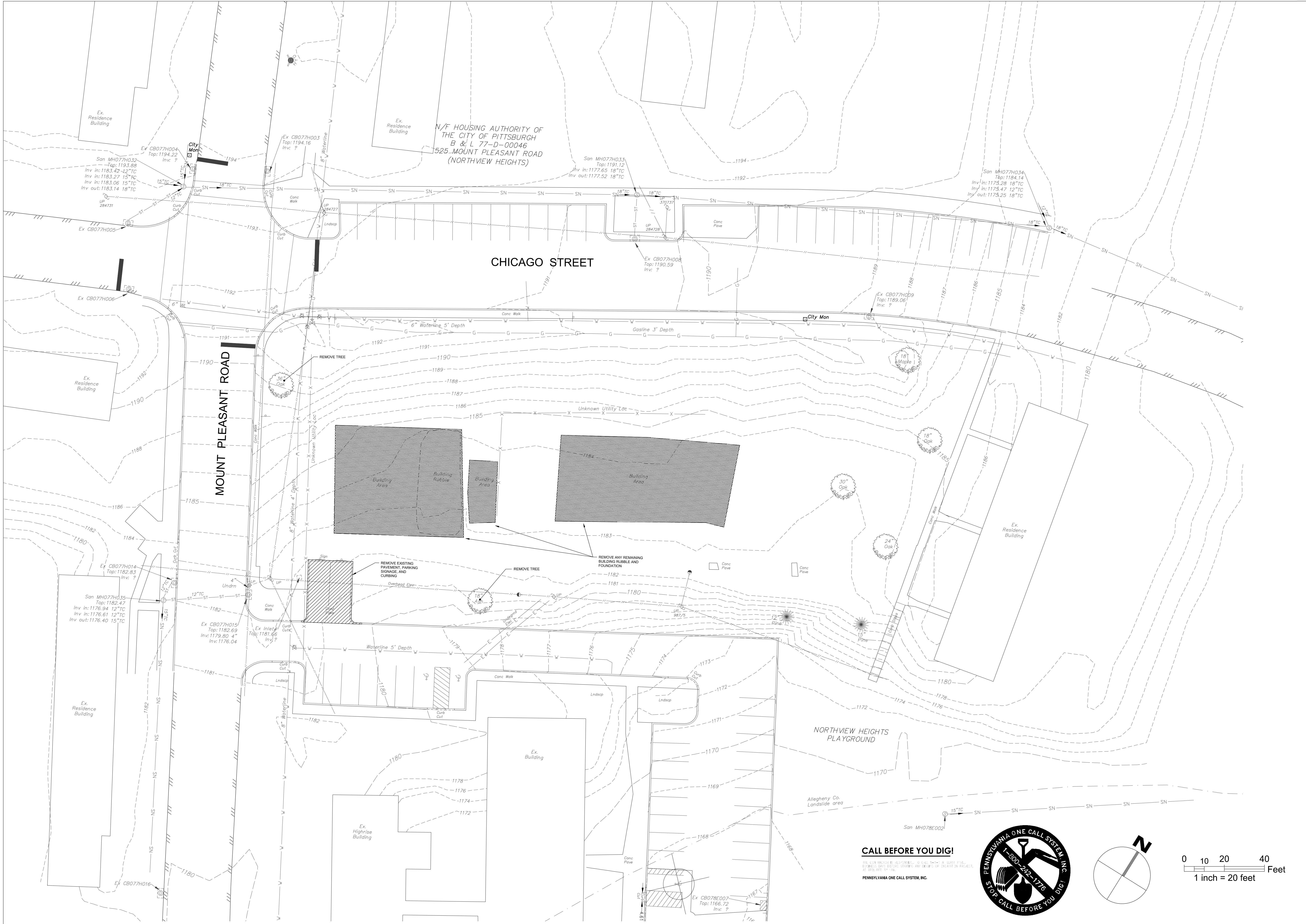
DRAWN BY SJD	CHECKED BY BLD	REVISIONS	
		REVISED FOR ADDITIONAL CLARITY (6/26)	
DATE ISSUED 04-10-2023	DATE PRINTED 04-10-2023		

GENERAL NOTES AND LEGEND

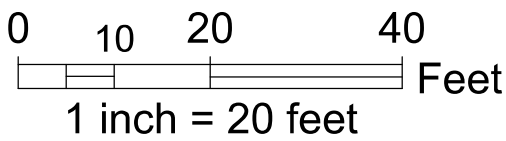
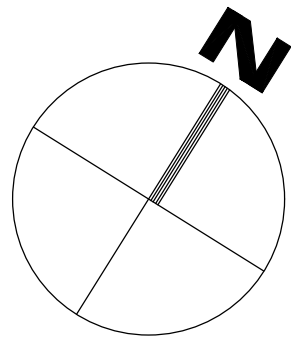
HACP NVH - Family Recreational Area
525Mt Pleasant Road,
Pittsburgh, PA 15214

SHEET NUMBER:

C001



CALL BEFORE YOU DIG!
ALL CONSTRUCTION IS RESPONSIBLE TO CALL 1-800-242-1176
BEFORE ANY EXCAVATION PROJECT.
EX. 2025.001-1176
PENNSYLVANIA ONE CALL SYSTEM, INC.



REVISIONS		DRAWN BY	
		SJD	CHECKED BY
			BLD
		DATE ISSUED	DATE PRINTED
		04-10-2023	04-10-2023

SITE DEMOLITION PLAN

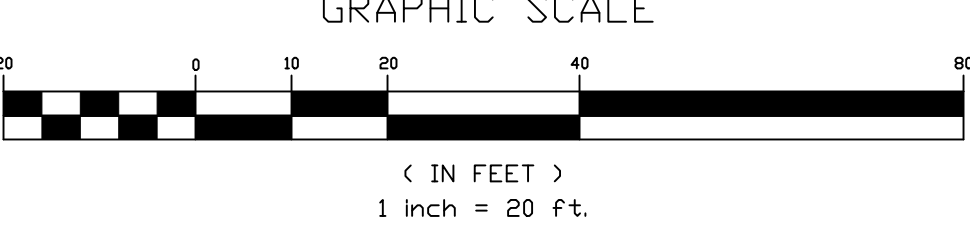
HACP NVH - Family Recreational Area
525Mt Pleasant Road,
Pittsburgh, PA 15214

SHEET NUMBER:
C102

TAA
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 parties. The Architect shall 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.

BARRY L. DAVIDSON
PROFESSIONAL
ENGINEER
FE-0631
PENNSYLVANIA



EXISTING SITE PLAN

- PLAN NOTES:
1. CONTOUR ELEVATION DATUM NAD83
PENNSYLVANIA STATE PLANES, SOUTH ZONE
US FOOT.
 2. SURVEY AND TOPO TAKEN FROM HAMPTON
TECHNICAL ASSOCIATES.
 3. UNDERGROUND ELECTRIC NOTED THUS:
[— E —].
 4. OVERHEAD ELECTRIC NOTED THUS:
[— // —].
 5. WATERLINE NOTED THUS: [— W —].
 6. GASLINE NOTED THUS: [— G —].
 7. UNKNOWN UTILITY NOTED THUS:
[— X —].
 8. SANITARY NOTED THUS: [— SN —].
 9. STORMWATER NOTED THUS:
[— ST —].
 10. EXISTING CONTOURS NOTED THUS:
[- - - - -].

EDWARD A. PATTON
ENGINEER
NO. 038231-E

DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. NO PART OF THESE DRAWINGS OR SPECIFICATIONS ARE TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR THE ACCURACY OF ANY DATA OR INFORMATION PROVIDED BY OTHERS, NOR FOR THE CONSEQUENCES OF ANY RELIANCE THEREON. THE ARCHITECT'S LIABILITY IS LIMITED TO THE PROFESSIONAL FEES RECEIVED FOR THE PROJECT.

© Tusick & Associates Architects, Inc.

REVISIONS

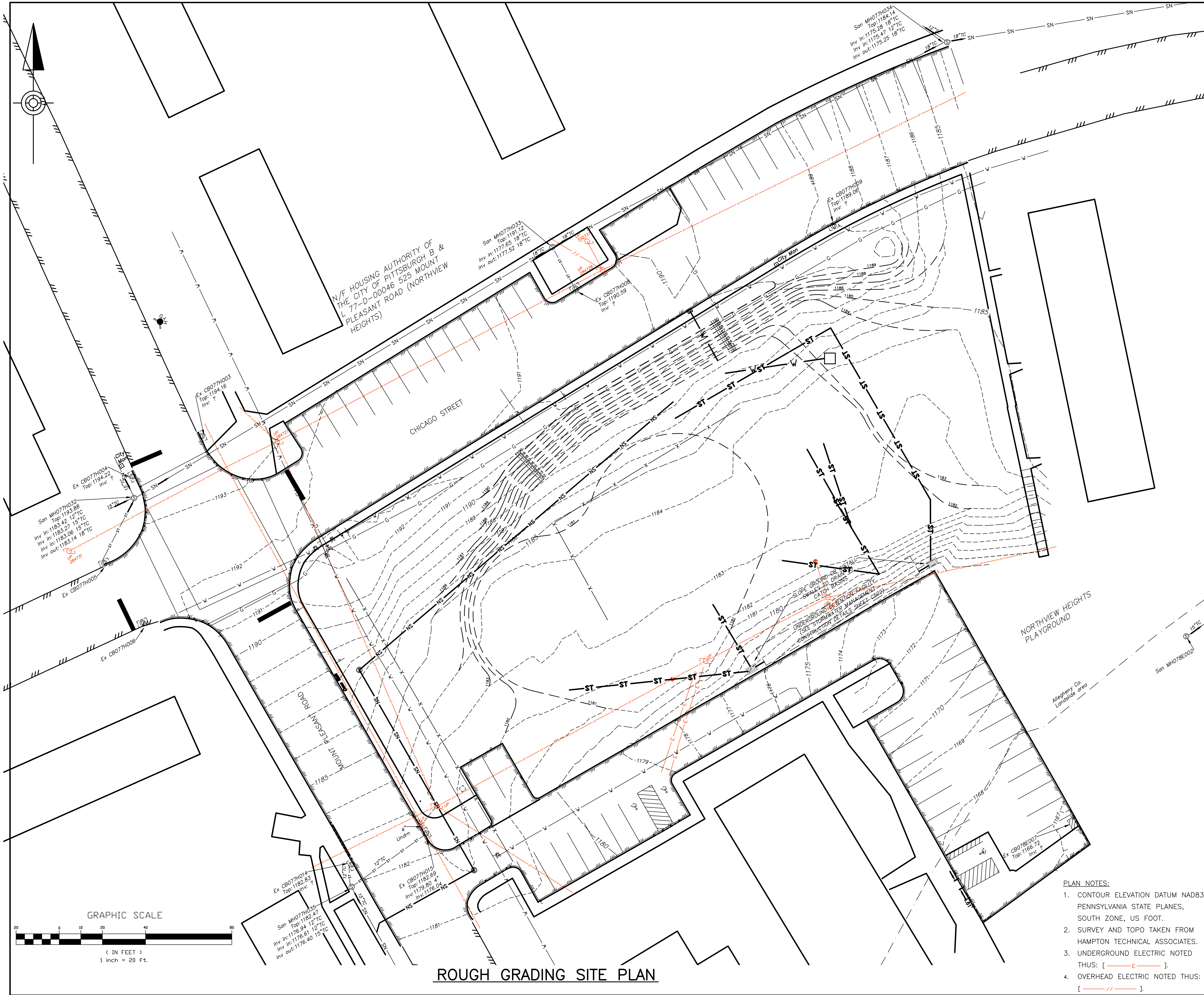
DRAWN BY	CHECKED BY	DATE ISSUED	DATE PRINTED
CLB	EAP	07/24/26	07/24/26

EXISTING SITE PLAN

HACP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214

SHEET NUMBER:

C300



ROUGH GRADING SITE PLAN

CONTRACTOR NOTES:

- CONTRACTOR TO CONSTRUCT ALL IMPROVEMENTS AS SHOWN GRAPHICALLY ON PLAN AS SCOPE OF CONSTRUCTION WORK. ANY DEVIATIONS FROM GRADE, CONCEPT, TYPE OR MATERIAL SHOWN ON PLAN SHALL BE FIRST APPROVED BY WRITTEN REQUEST TO DESIGN AND TOWNSHIP ENGINEER.
- CONTRACTOR TO CONFIRM ALL EXISTING UTILITY INVERTS PRIOR TO CONSTRUCTION. CONTRACTOR RESPONSIBLE FOR SITE EARTHWORK FILL/CUT QUANTITIES IMBALANCE ADJUSTMENTS.

UTILITY NOTES:

- BUILDING DOWNSPOUTS SHALL BE DIRECTED AND DISCHARGED INTO THE CATCH BASINS.
- VERIFY ALL SERVICE UTILITY ROUTINGS WITH OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- ALL WORK WITHIN RIGHT-OF-WAY SHALL CONFORM TO GOVERNING STATE AND/OR LOCAL SPECIFICATIONS.
- CONTRACTOR SHALL FURNISH AND INSTALL TYPE #6COPPER WATER LINE FROM BUILDING TO EXISTING SERVICE.

GENERAL CONSTRUCTION NOTES:

- THE CONTRACTOR IS RESPONSIBLE TO REMOVE ALL ITEMS NECESSARY TO CONSTRUCT THE SITE IMPROVEMENTS.
- SPOT ELEVATIONS AND CONTOURS ARE CONTROLS ONLY. ALL GRADING SHALL BE SMOOTH AND CONTINUOUS. NO LOW AREAS OR "BIRD BATHS" WILL BE PERMITTED.
- ALL PROPOSED SPOT ELEVATIONS ARE REFERENCED TO THE FINISHED GROUND SURFACE. UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL CONTACT ALL EXISTING UTILITIES TO FIELD VERIFY ALL UTILITIES' EXISTING LOCATIONS.
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS OF ACT 38. NOTIFICATION OF UTILITIES PRIOR TO ANY CONSTRUCTION.
- THE CONTRACTOR SHALL CONTACT PA ONE-CALL 72 HOURS BEFORE COMMENCEMENT OF WORK AT 1-800-242-1776 AND VERIFY ALL UTILITY LOCATIONS.
- EXISTING BASE MAPPING WAS PREPARED BY A FIELD SURVEY. REFER TO BENCHMARKS FOR ELEVATION DATUM.
- ALL CONSTRUCTION SHALL COMPLY WITH LOCAL MUNICIPAL AND COUNTY CODES AND STANDARDS. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE OSHA, FEDERAL, STATE AND LOCAL REGULATIONS.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER SHOULD ANY DISCREPANCY REGARDING THE PROPOSED WORK OR UNFORESEEN CONDITIONS ARISE PRIOR TO PROCEEDING FURTHER WITH THE AFFECTED WORK.
- THE PROJECT IS OUTSIDE OF THE 100-YEAR FLOODPLAIN.
- THE CONTRACTOR SHALL RESTORE ANY STRUCTURES, PIPES, UTILITIES, PAVEMENT, CURBS, SIDEWALKS, LANDSCAPED AREAS, ETC. DAMAGED AS A RESULT OF CONSTRUCTION, WHETHER WITHIN THE SITE OR ON ADJOINING PROPERTIES. ALL ITEMS DISTURBED DURING DEMOLITION OR CONSTRUCTION SHALL BE RETURNED TO THEIR APPROXIMATE ORIGINAL CONDITION, OR BETTER, AND TO THE SATISFACTION OF THE OWNER AND LOCAL MUNICIPALITY.
- ANY WARRANTED TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE LOCAL MUNICIPALITY REGULATIONS.
- ALL MUD, DIRT AND DEBRIS TRACKED ONTO EXISTING ROADS FROM THE SITE SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR.
- THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND PROPER DISPOSAL OF ALL RUBBISH, TRASH, DEBRIS AND ORGANIC MATERIAL IN A LAWFUL MANNER.
- THE CONTRACTOR IS RESPONSIBLE FOR THE DETERMINING THE ACTUAL LOCATIONS AND ELEVATIONS OF ALL UTILITIES, INCLUDING SERVICES.
- THE CONTRACTOR SHALL PROVIDE ALL BENDS, FITTINGS, ADAPTERS, ETC. AS REQUIRED FOR ALL PIPING CONNECTIONS.
- SITE GRADING SHALL BE PERFORMED TO PROVIDE POSITIVE DRAINAGE AND TO PRECLUDE PONDING WATER ON THE SITE.
- THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY THE ELEVATION AND LOCATIONS OF ALL UTILITIES BY VARIOUS MEANS PRIOR TO BEGINNING ANY EXCAVATION. TEST PITS SHALL BE EXCAVATED TO DETERMINE THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES IN THOSE LOCATIONS WHERE PROPOSED FACILITIES ARE TO BE CONSTRUCTED.

SITE GRADING NOTES:

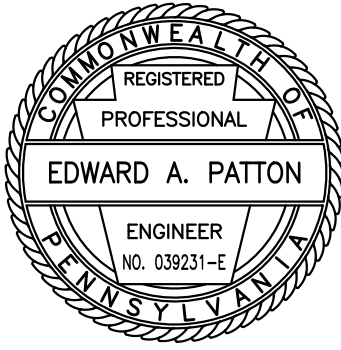
- FINISH GRADES SHOWN. CONTRACTOR SHALL MAKE APPROPRIATE OVERCUTS FOR SUBGRADE REQUIREMENTS.
- ALL FILL ZONES IN WALL RECONSTRUCTION SHALL BE AT A MINIMUM 95% STANDARD PROCTOR DENSITY.
- PRIOR TO EXCAVATION, THE CONTRACTOR MUST CALL PA-ONE CALL (1-800-242-1776) NO LESS THAN THREE (3) WORKING DAYS PRIOR TO EXCAVATION.
- ALL NON-PAVED AREAS TO BE FINISH-GRADED TO FINAL GRADES WITH A MINIMUM OF 4" CLEAN TOPSOIL, ROLLED AND SEEDED PER DETAILS.
- FILL AREAS SHALL BE COMPACTED TO A MINIMUM 95% MODIFIED PROCTOR DENSITY.
- CONTRACTOR TO PROVIDE MEASURES TO MINIMIZE DUST AND SOIL TRACKING ONTO HIGHWAYS. REFER TO EROSION CONTROL PLANS FOR ADDITIONAL REQUIREMENTS.

GEOTECHNICAL NOTES:

- SEE SHEET C-7 FOR GEOTECHNICAL RECOMMENDATIONS AND DETAILS.
- WATERLINE NOTED THUS: [——— W ———].
- GASLINE NOTED THUS: [——— G ———].
- UNKNOWN UTILITY NOTED THUS: [——— X ———].
- SANITARY NOTED THUS: [——— SN ———].
- STORMWATER NOTED THUS: [——— ST ———].
- EXISTING CONTOURS NOTED THUS: [- - - - -].
- PROPOSED CONTOURS NOTED THUS: [— — — — —].

PLAN NOTES:

- CONTOUR ELEVATION DATUM NAD83 PENNSYLVANIA STATE PLANES, SOUTH ZONE, US FOOT.
- SURVEY AND TOPO TAKEN FROM HAMPTON TECHNICAL ASSOCIATES.
- UNDERGROUND ELECTRIC NOTED THUS: [——— E ———].
- OVERHEAD ELECTRIC NOTED THUS: [——— // ———].



Edward A. Patton

DRAWINGS & SPECIFICATIONS AS INSTRUMENTS OF SERVICE ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE REPRODUCED, COPIED, REPRODUCED, OR USED FOR ANY OTHER PROJECTS WITHOUT THE WRITTEN AGREEMENT OF THE ARCHITECT. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF THE PROJECT OR FOR ANY CONDITIONS OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE PROJECT.

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
CLB	EAP	07/24/26	07/24/26
ROUGH GRADING SITE PLAN			
SHEET NUMBER:			
C301			

GEOTECHNICAL NOTES:

PER PS&R GEOTECHNICAL EXPLORATION REPORT, THE FOLLOWING STEPS ARE RECOMMENDED:

1. CUT SLOPE

THE PROPOSED 2H:1V CUT SLOPE WILL BE STABLE AS DESIGNED THROUGH THE SOILS PROVIDED NO GROUNDWATER SEEPAGE OR INTACT COAL SEAMS ARE ENCOUNTERED. IF GROUNDWATER SEEPAGE OR COAL IS ENCOUNTERED, PORTIONS OF THE SLOPE WILL NEED TO BE RECONSTRUCTED AS DEPICTED ON DETAIL D3/GE502. THE BENCH SHOULD SLOPE INTO THE HILLSIDE AT 10H:1V. THE BOTTOM OF THE BENCH, PARALLEL TO THE HILLSIDE, SHOULD ALSO BE SHAPED TO DRAIN TO BOTH ENDS OF THE RECONSTRUCTION AREA. A 4ø PERFORATED DRAIN SHOULD BE INSTALLED ALONG THE REAR OF THE BENCH. THE DRAIN SHOULD BE OUTLETTED AT BOTH ENDS OF THE RECONSTRUCTION AREA. IN ADDITION, A 12ø THICK BLANKET DRAIN OF #57 STONE OR A GEO-COMPOSITE DRAIN (HANES TERRADRAIN 104/2, MARAFI G-200N OR EQUIVALENT) SHOULD BE EXTENDED UP THE REAR OF THE BENCH EXCAVATION AS NEEDED TO COLLECT ANY GROUNDWATER SEEPAGE.

2. SUBGRADE

THE MAJORITY OF THE SITE SUBRADE IS ANTICIPATED TO CONSIST OF EXISTING FILL BUT THE SPLASH PAD AND POSSIBLY THE RESTROOM ARE ANTICIPATED TO ENCOUNTER A SEAM OF COAL DIRECTLY BELOW THE FINAL SUBGRADE ELEVATION. BASED ON THE ENCOUNTERED CONDITIONS, THE FOLLOWING STEPS ARE RECOMMENDED TO ADDRESS THE SUBGRADE:

PLAYGROUND: ONCE THE PLAYGROUND IS BROUGHT TO FINAL SUBGRADE, IF COAL IS ENCOUNTERED AT THE SURFACE, IT SHOULD BE REMOVED IN ITS ENTIRETY. THE UNDERCUT IS TO BE BACKFILLED WITH SUITABLE SITE SOILS OR 2A LIMESTONE PLACED IN 8-INCH NOMINIMAL LIFTS AND COMPACTED TO 100% OF A STANDARD PROCTOR. ONCE ANY OVER-EXCAVATION AND BACKFILL IS PERFORMED THE ENTIRE SUBGRADE SHOULD BE THOROUGHLY COMPACTED AND SEALED WITH A LARGE VIBRATORY SMOOTH-DRUM ROLLER. PROOF-ROLL THE COMPACTED SUBGRADE UNDER THE OBSERVATION OF THE GEOTECHNICAL ENGINEER OR HIS/HER SOILS TECHNICIAN USING A FULLY LOADED TANDEM AXLE DUMP TRUCK TO HELP DETECT ANY SOFT OR YIELD ZONES. ANY ISOLATED UNSTABLE AREAS THAT CANNOT BE STABILIZED IN-PLACE BY ADDITIONAL ROLLING SHOULD BE UNDERCUT AND REPLACED.

SPLASH PAD: IN THE AREA WHERE THE SPLASH PAD IS PROPOSED WE RECOMMEND THAT ONCE THE AREA IS BROUGHT TO FINAL SUBGRADE THAT TEST PITS ARE TO BE PERFORMED TO ENSURE THAT INTACT COAL IS GREATER THAN 3 FT BELOW FINAL SUBGRADE ELEVATION AND THAT THE FILL IS RELATIVELY UNIFORM IN NATURE. IF COAL OR SOFT SOILS ARE ENCOUNTERED AN OVER-EXCAVATION SHOULD BE PERFORMED TO REMOVE THE UNSUITABLE MATERIALS. THE UNDERCUT IS TO BE BACKFILLED WITH SUITABLE ON-SITE SOILS OR 2A LIMESTONE PLACED IN 8-INCH NOMINAL LIFTS AND COMPACTED TO 100% OF STANDARD PROCTOR. ONCE ANY OVER-EXCAVATION AND BACKFILL IS PERFORMED THE ENTIRE SUBGRADE SHOULD BE THOROUGHLY COMPACTED AND SEALED WITH A LARGE VIBRATORY SMOOTH-DRUM ROLLER. PROOF-ROLL THE COMPACTED SUBGRADE UNDER THE OBSERVATION OF THE GEOTECHNICAL ENGINEER OR HIS/HER SOILS TECHNICIAN USING A FULLY LOADED TANDEM AXLE DUMP TRUCK TO HELP DETECT ANY SOFT OR YIELD ZONES. ANY ISOLATED UNSTABLE AREAS THAT CANNOT BE STABILIZED IN-PLACE BY ADDITIONAL ROLLING SHOULD BE UNDERCUT AND REPLACED PRIOR TO SUBBASE PLACEMENT.

RESTROOMS: IN ORDER TO ADDRESS THE FOOTPRINT FOR THE RESTROOM IT IS IMPORTANT TO NOT ONLY CONSIDER THE STRUCTURE FOUNDATIONS BUT ALSO THE PRESENCE OF UTILITIES (PLUMBING) BENEATH THE FLOOR SLAB. WE RECOMMEND UNDERCUTTING THE ENTIRE BUILDING FOOTPRINT TO A DEPTH OF 3 FEET BELOW THE FOUNDATION BEARING ELEVATION OR THE BASE OF THE FILL (THE SHALLOWER OF THE TWO). IF THE OVER-EXCAVATION IS EXTENDED BELOW FILL ONTO RESIDUAL SOIL, TEST PITS ARE TO VERIFY THAT NO COAL IS WITHIN 3 FT OF THE FOUNDATION. THE OVER-EXCAVATION SHOULD EXTEND 5 FEET OUTSIDE THE BUILDING IN ALL DIRECTIONS. THE BASE OF THE OVER-EXCAVATION SHOULD BE AGGRESSIVELY COMPACTED WITH A LARGE RIDE ON VIBRATORY ROLLER. ANY SOFT, UNYIELDING ZONES ARE TO BE REMOVED. THE UNDERCUT SHOULD THEN BE BACKFILLED WITH SUITABLE ON-SITE SOILS OR 2A LIMESTONE PLACED IN 8-INCH NOMINAL LIFTS AND COMPACTED TO 100% OF A STANDARD PROCTOR. THE BACKFILL SHOULD BE PLACED AND TESTED UNDER THE OBSERVATION OF THE GEOTECHNICAL ENGINEER OR HIS/HER SOILS TECHNICIAN. THE SOIL ENCOUNTERED IS SUITABLE FOR BACKFILL PROVIDED ALL COAL IS REMOVED AND BOULDERS/CONCRETE ARE REMOVED OR PROCESSED TO A MAXIMUM 8-INCH PARTICLE SIZE.

3. FOUNDATIONS

RESTROOMS: ONCE THE OVER-EXCAVATION AND BACKFILL IS COMPLETE THE SOILS ANTICIPATED TO BE DIRECTLY BELOW THE RESTROOM FOUNDATION WILL LIKELY CONSIST OF ENGINEERED FILL. PROVIDED THE RECOMMENDATIONS IN THIS REPORT ARE STRICTLY IMPLEMENTED, THE PROPOSED RESTROOM STRUCTURE CAN BE SUPPORTED ON CONVENTIONAL SHALLOW LINE FOUNDATIONS DESIGNED FOR A NET ALLOWABLE SOIL BEARING PRESSURE NOT EXCEEDING 2,000 PSF.

PARK EQUIPMENT: THE FOUNDATIONS FOR THE PLAY EQUIPMENT TYPICALLY CONSIST OF SHALLOW AUGER HOLES. THE PLAYGROUND EQUIPMENT INSTALLER SHOULD BE PREPARED TO ENCOUNTER OBSTRUCTIONS IN THE FILL AND REMOVE THEM IF NECESSARY.

4. FILL PLACEMENT

ALL FILL MATERIALS PLACED AS GENERAL FILL TO CONSTRUCT THE SITE SHOULD BE PLACED IN HORIZONTAL LAYERS. LIFT THICKNESS SHOULD BE ADJUSTED BASED ON THE SIZE OF THE COMPACTION EQUIPMENT. IN GENERAL, ALL FILL SHOULD BE PLACED IN MAXIMUM 10-INCH THICK LOOSE LIFTS AND COMPACTED WITH A VIBRATORY PADFOOT ROLLER OR VIBRATORY SMOOTH DRUM ROLLER. ALL FILL SHOULD BE COMPACTED UNTIL THE IN-PLACE DENSITY IS EQUAL TO OR GREATER THAN 100 PERCENT OF THE MAXIMUM STANDARD PROCTOR DRY DENSITY AS DETERMINED BY ASTM D698 METHODS. ALL FILL MATERIALS SHOULD BE MOISTURE CONDITIONED TO WITHIN 3% PERCENT OF THE OPTIMUM MOISTURE CONTENT AT THE TIME OF PLACEMENT. ALL EFFORTS SHOULD BE MADE TO REDUCE ANY ROCK PARTICLES TO A MANAGEABLE SIZE (I.E. MAXIMUM 8-INCH PARTICLE) TO BE INCORPORATED INTO A 10-INCH LOOSE LIFT. FILL MATERIALS ARE TO BE FREE OF ORGANICS, PYRITE, COAL, AND FAT CLAY. WHERE REPRESENTATIVE DENSITY TEST CANNOT BE OBTAINED, EACH LIFT SHOULD BE COMPACTED TO A VISUAL, NON-DEFLECTIVE AND STABLE CONDITION. THE MOISTURE CONTENT OF THE FILL MATERIALS SHOULD BE MAINTAINED AS DEEMED NECESSARY TO AID IN ATTAINING THE REQUIRED COMPACTION AND TO MAINTAIN OVERALL STABILITY (MINIMAL PUMPING, YIELDING AND/OR RUTTING).

5. UNDERGROUND UTILITIES

IT SHOULD BE ANTICIPATED THAT OBSTRUCTIONS WILL BE ENCOUNTERED DURING UTILITY INSTALLATION, AND THAT OBSTRUCTIONS IN THE EXISTING FILL WILL NEED REMOVED. THE SOILS ACROSS THE PROJECT AREA CLASSIFY AS OSHA TYPE B WITH RESPECT TO EXCAVATIONS AND SIDEWALL STABILITY. FOR EXCAVATIONS LESS THAN 20 FT DEEP, THIS CLASSIFICATION REQUIRES THAT EXCAVATIONS TO BE SLOPED BACK TO 1H:1V TO MAINTAIN SIDEWALL STABILITY AND TO MEET OSHA SAFETY REQUIREMENTS. STABLE BEDROCK MAY BE CUT VERTICAL WHERE ENCOUNTERED.

FOOTING EXCAVATIONS, UTILITY TRENCHES AND OTHER SMALLER EXCAVATIONS SHOULD BE BACKFILLED USING EITHER ON-SITE SOILS OR IMPORTED FILL APPROVED BY THE GEOTECHNICAL ENGINEER. BACKFILL SHOULD BE SPREAD IN HORIZONTAL LIFTS IN APPROPRIATE THICKNESS FOR THE COMPACTION EQUIPMENT BEING USED. GENERALLY, LIFT THICKNESS SHOULD BE LIMITED TO 6 INCHES FOR HAND OPERATED EQUIPMENT. TRENCHES THAT CAN ACCOMMODATE LARGER ROLLERS MAY BE BACKFILLED IN LIFTS NOT EXCEEDING 10 INCHES, PROVIDED ADEQUATE COMPACTION IS ATTAINED. EACH LIFT OF BACKFILL SHOULD BE UNIFORMLY COMPACTED TO AT LEAST 98% OF ITS STANDARD PROCTOR MAXIMUM DRY DENSITY WITH MOISTURE CONTENT ADJUSTED TO WITHIN (+/-) 3% OF OPTIMUM PRIOR TO COMPACTION.

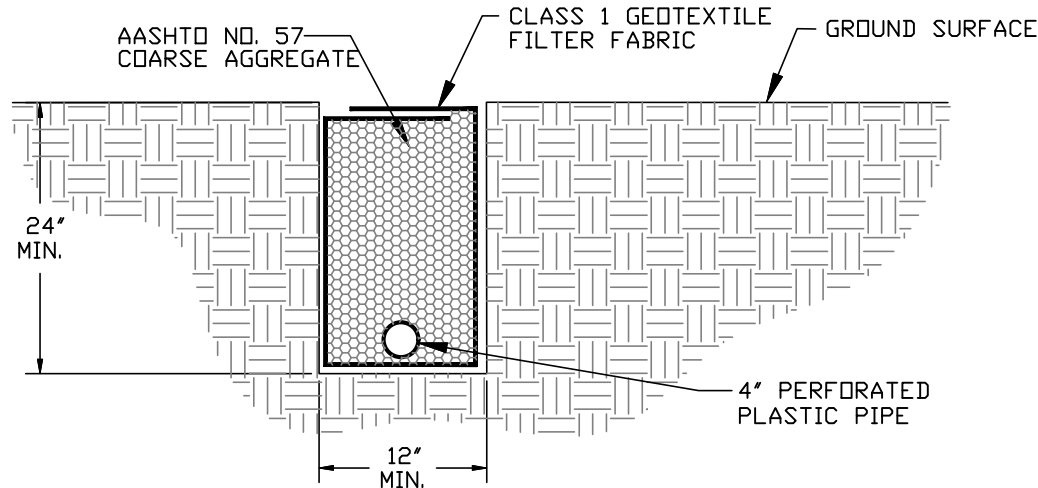
6. GROUNDWATER

ALTHOUGH NO GROUNDWATER WAS ENCOUNTERED AT THE TEST LOCATIONS THERE IS A POTENTIAL FOR SEEPS AND SPRINGS TO FORM/DEVELOP DURING AND AFTER THE COMPLETION OF THE DEVELOPMENT CONSTRUCTION. SEEPS AND SPRINGS CAN NEGATIVELY IMPACT CUT AND FILL SLOPES AND RESULT IN SLOPE INSTABILITY. ALL SEEPS AND SPRINGS THAT DEVELOP DURING AND AFTER THE COMPLETION OF DEVELOPMENT CONSTRUCTION SHOULD BE ADDRESSED IMMEDIATELY UPON OBSERVATION TO MAINTAIN THE LONG-TERM STABILITY OF THE SLOPES.

GENERAL SITE EARTHWORK RECOMMENDATIONS:

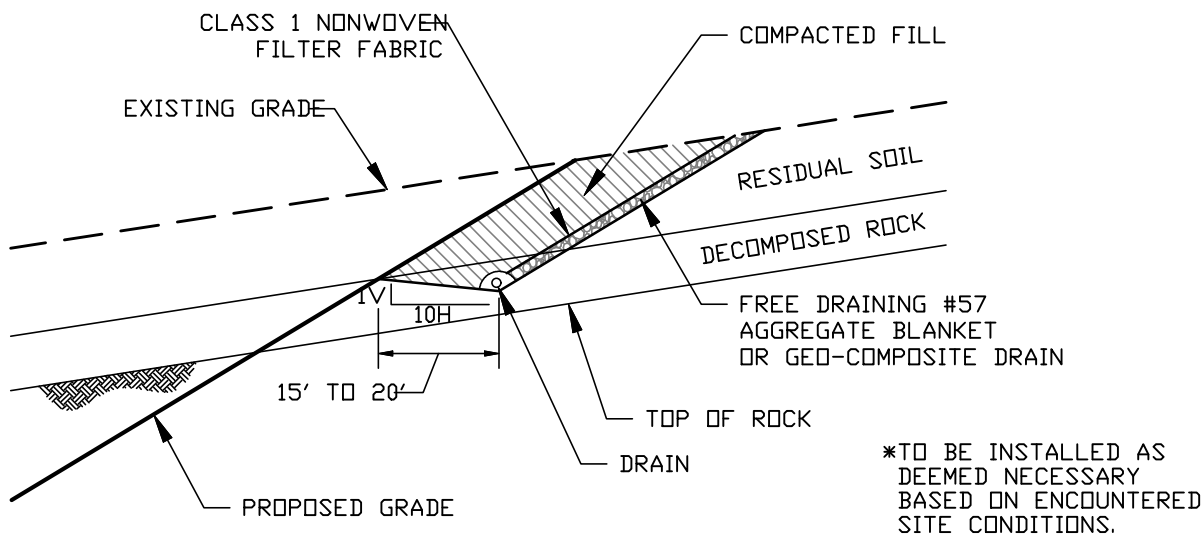
PER PS&R GEOTECHNICAL EXPLORATION REPORT, THE FOLLOWING ARE RECOMMENDED:

- ALL FILL AREAS SHOULD BE CLEARED OF TREES, STUMPS, AND VEGETATION AND STRIPPED OF TOPSOIL/ORGANIC SOILS PRIOR TO THE START OF FILL PLACEMENT.
- THE DISTRIBUTION AND GRADATION OF FILL MATERIALS SHALL BE SUCH THAT THE FILL WILL BE FREE OF LENSES, POCKETS, OR LAYERS OF MATERIALS DIFFERING SUBSTANTIALLY IN GRADATION FORM THE SURROUNDING MATERIALS WITHIN THE DESIGNATED FILL AREAS.
- FILL SHALL BE PLACED AND SPREAD IN SUCCESSIVE AND APPROXIMATE HORIZONTAL LAYERS OF UNIFORM THICKNESS BASED ON THE NOMINAL PARTICLE SIZE OF MATERIAL AND THE SIZE AND TYPE OF THE AVAILABLE COMPACTION EQUIPMENT. IN GENERAL, SOIL SHOULD BE PLACED IN NO GREATER THAN NOMINAL 10 INCH MAXIMUM LOOSE LIFTS.
- LARGER ROCK PARTICLES/BOULDERS SHOULD BE PROCESSED DOWN TO A MAXIMUM 8 INCH PARTICLE SIZE TO BE INCORPORATED INTO BULK FILL. OTHERWISE, LARGER ROCK PARTICLES/BOULDERS SHOULD BE PLACED IN NON-STRUCTURAL GREEN AREAS OR HAULED OFF SITE.
- ADEQUATE COMPACTIVE EFFORT IS APPLIED BY UTILIZING THE PROPER COMPACTION EQUIPMENT FOR THE COMPOSITION OF THE FILL MATERIAL BEING PLACED. SEGMENTED, SHEEPSFOOT, AND/OR PADFOOT ROLLERS SHOULD BE USED WHEN PLACING PREDOMINANTLY CLAYEY (COHESIVE) FILL MATERIALS. THESE TYPES OF ROLLERS ARE ALSO EFFECTIVE ON CLAYEY SHALES, CLAYSTONE, AND SOFTER SANDSTONE TO BREAK DOWN THE ROCK PARTICLES. SMOOTH DRUM VIBRATORY ROLLERS SHOULD BE UTILIZED ON PREDOMINTAEY GRANULAR FILL MATERIALS AND TO SEAL CLAYEY SOILS TO HELP PREVENT SURFACE WATER INFILTRATION AND/OR TO PROMOTE DRAINAGE.
- ALL FILL MATERIALS SHALL BE COMPACTED BY A SUFFICIENT NUMBER OF COMPLETE TRIPS (I.E. PASSES) OF THE APPROPRIATE COMPACTION EQUIPMENT TO ATTAIN A MINIMUM OF 100% OF THE MAXIMUM DRY DENSITY AS DETERMINED IN ACCORDANCE WITH ASTM TEST DESIGNATION D698 (STAND PROCTOR). MAINTAIN THE MOISTURE CONTENT OF THE FILL MATERIALS AS NECESSARY TO ATTAIN THE DESIRED COMPACTION DENSITY, TYPCIALY (+/-) 3% OF OPTIMUM MOISTURE.
- UNDISTURBED AND/OR FILL MATERIALS PLACED WITHIN THE UPPER 12 INCHES OF FINAL GRADE SHOULD BE COMPACTED TO ATTAIN A MINIMUM OF 100% OF THE MAXIMUM DRY DENSITY AS DETERMINED IN ACCORDANCE WITH ASTM TEST DESIGNATION D698 (STANDARD PROCTOR) AT AN IN-PLACE MOISTURE WITHIN 3% OF THE MATERIALS OPTIMUM MOISTURE CONTENT. THE ENTIRE SUBGRADE SURFACE SHOULD BE THOROUGHLY SEALED USING A VIBRATORY SMOOTH DRUM ROLLER.
- TO VERIFY THE SPECIFIED DEGREE OF COMPACTION ADN TO DETERMINE THE IN-PLACE MOISTURE CONTENT AS STATED ABOVE, IN-PLACE FIELD DENSITY TESTS SHOULD BE PERFORMED IN ACCORDANCE TO THE PROCEDURES OF ASTM D6938 (NUCLEAR DENSOMETER).
- IN ADDITION TO IN-PLACE FIELD DENSITY TESTING, ACCEPTANCE SHOULD ALSO BE PREDICATED ON A VISUAL PERFORMANCE CRITERIA. OBVIOUS SURFACE RUTTING AND/OR DEFLECTION THAT ARE JUDGED TO BE DETRIMENTAL TO THE OVERALL STABILITY OF THE FILL AREA SHOULD BE REMOVED, MOISTURE CONDITIONED AND RECOMPACTED, OR OTHERWISE ADDRESSED PRIOR TO ACCEPTING THE LIFT.
- WHERE PREDOMINATELY "ROCKY" FILL MATERIALS ARE PLACED OR WHERE REPRESENTATIVE NUCLEAR DENSOMETER TESTS CANNOT BE OBTAINED, A VISUAL NON-DEFLECTION CRITERIA SHOULD BE DEVELOPED IN CONJUNCTION WITH AN ADEQUATE NUMBER OF ROLLER PASSES FOR ACCEPTANCE.

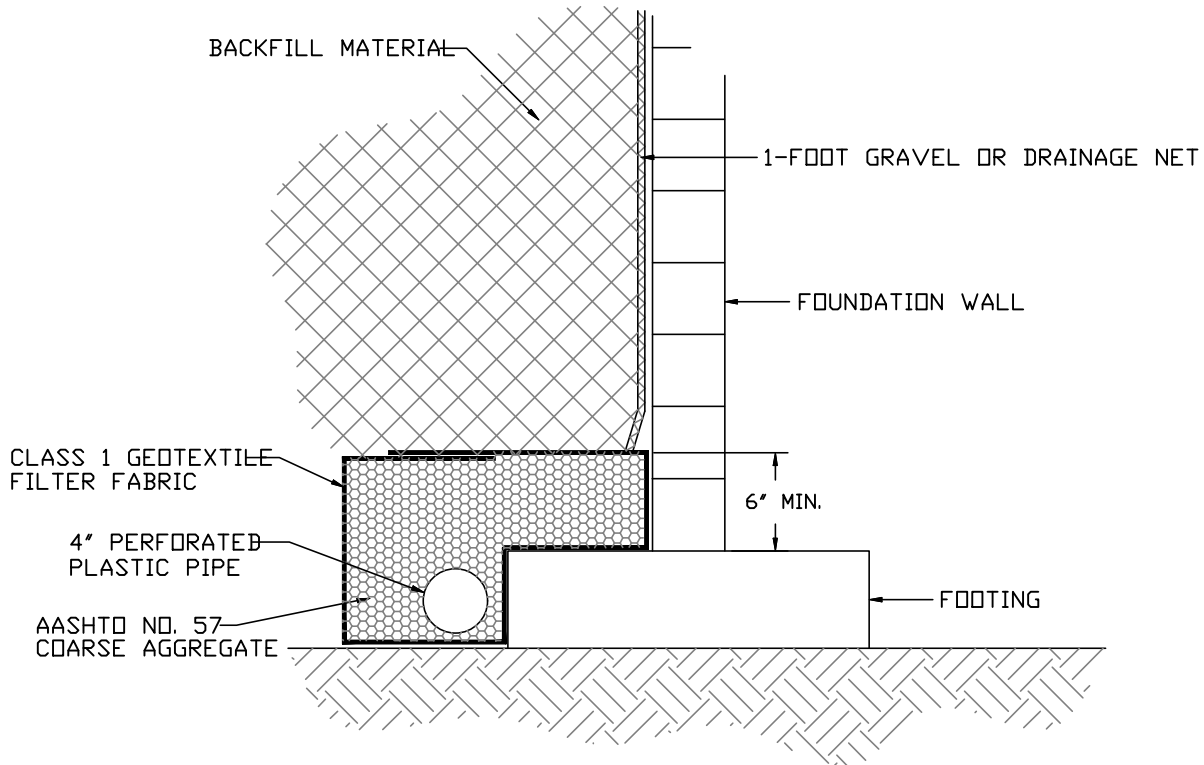


NOTE:
1) 4" PERFORATED PLASTIC PIPE EXTENDED TO DRAIN AWAY FROM SLOPE AND WATER DIVERTED OR COLLECTED IF NECESSARY TO PREVENT EMBANKMENT DAMAGE.
2) PROVIDE DRAINAGE OUTLETS AT 50-FOOT HORIZONTAL INTERVALS.

D1 TYPICAL SPRING DRAIN DETAIL
GE502 NOT TO SCALE

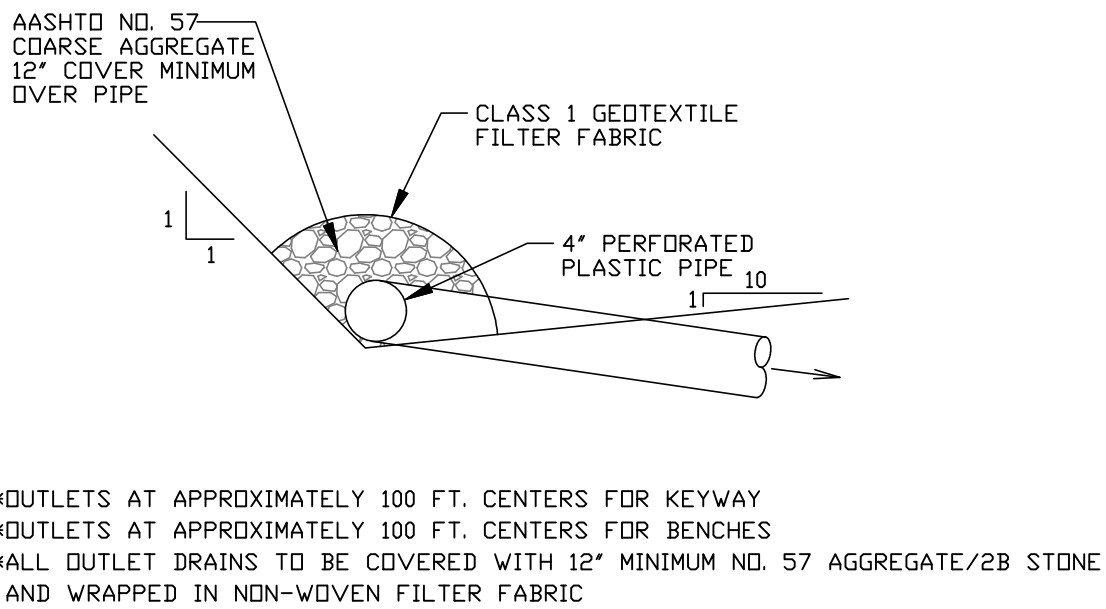


D3 TYPICAL CUT SLOPE PROTECTION DETAIL
GE502 NOT TO SCALE



NOTE:
1) 4" PERFORATED PLASTIC PIPE EXTENDED TO DRAIN AWAY FROM HOUSE TO SURFACE OR TO APPROVED COLLECTION POINT.
2) BEGIN DRAINAGE MAT OR GRAVEL NO MORE THAN 6" BELOW GROUND SURFACE.

D2 TYPICAL FOUNDATION DRAIN DETAIL
GE502 NOT TO SCALE



*OUTLETS AT APPROXIMATELY 100 FT. CENTERS FOR KEYWAY
*OUTLETS AT APPROXIMATELY 100 FT. CENTERS FOR BENCHES
*WALL OUTLET DRAINS TO BE COVERED WITH 12" MINIMUM NO. 57 AGGREGATE/2B STONE AND WRAPPED IN NON-WOVEN FILTER FABRIC

D4 KEYWAY/BENCH DRAIN DETAIL
GE502 NOT TO SCALE



Edward A. Patton

DRAWINGS & SPECIFICATIONS AS INSTRUMENTS OF SERVICE ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN AGREEMENT OF THE ARCHITECT. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF THE PROJECT OR FOR THE PERFORMANCE OF THE PROJECT. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF THE PROJECT OR FOR THE PERFORMANCE OF 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
CLB

CHECKED BY
EAP

DATE ISSUED
07/24/26

DATE PRINTED
07/24/26

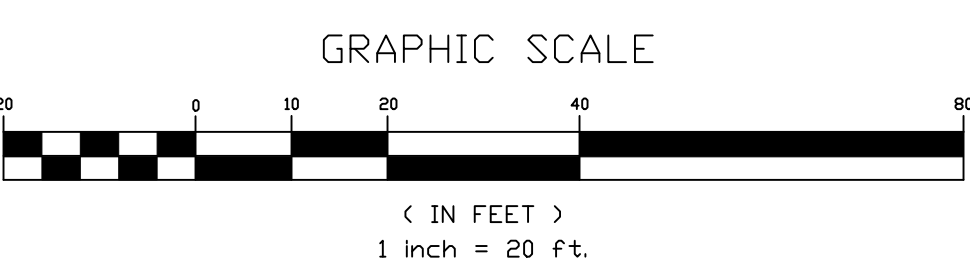
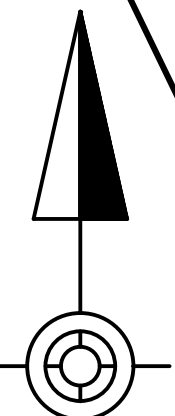
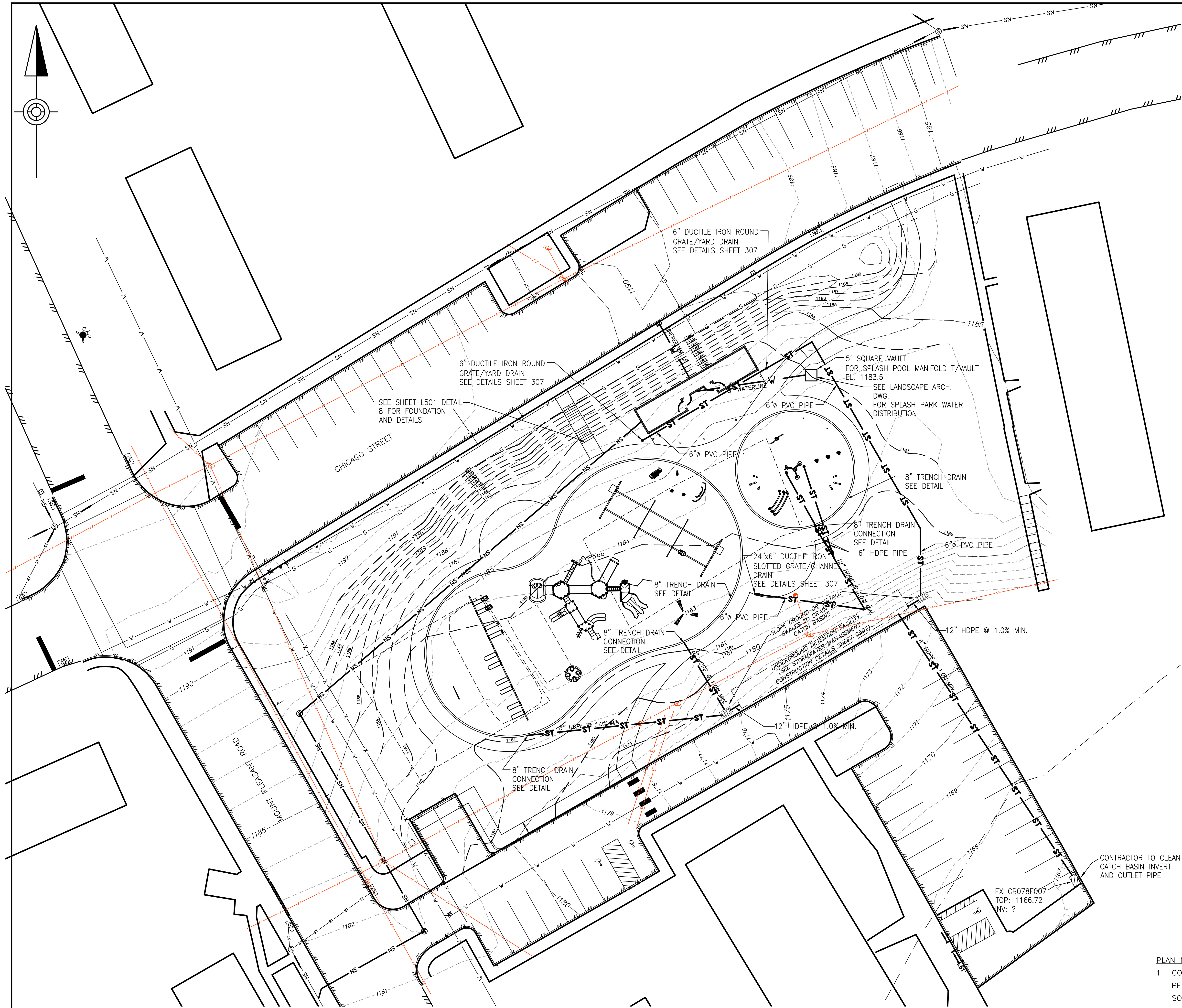
GEOTECHNICAL NOTES & DETAILS

HACP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214

SHEET NUMBER:

C303

GEOTECHNICAL DETAILS



UTILITY PLAN

- GEOTECHNICAL NOTES:
- SEE SHEET C-7 FOR GEOTECHNICAL RECOMMENDATIONS AND DETAILS.

- PLAN NOTES:
- CONTOUR ELEVATION DATUM NAD83 PENNSYLVANIA STATE PLANES, SOUTH ZONE, US FOOT.
 - SURVEY AND TOPO TAKEN FROM HAMPTON TECHNICAL ASSOCIATES.
 - UNDERGROUND ELECTRIC NOTED THUS: [— E —].
 - OVERHEAD ELECTRIC NOTED THUS: [— // —].
 - WATERLINE NOTED THUS: [— W —].
 - GASLINE NOTED THUS: [— G —].
 - UNKNOWN UTILITY NOTED THUS: [— X —].
 - SANITARY NOTED THUS: [— SN —].
 - STORMWATER NOTED THUS: [— ST —].
 - EXISTING CONTOURS NOTED THUS: [- - - - -].
 - PROPOSED CONTOURS NOTED THUS: [— — — — —].

REGISTERED PROFESSIONAL
ENGINEER
NO. 038231-E

DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT. THE ARCHITECT'S LIABILITY IS LIMITED TO THE PROFESSIONAL SERVICES PROVIDED AND DOES NOT INCLUDE THE DESIGN OF STRUCTURES OR THE CONSTRUCTION OF THE PROJECT. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY PROCEEDINGS, 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

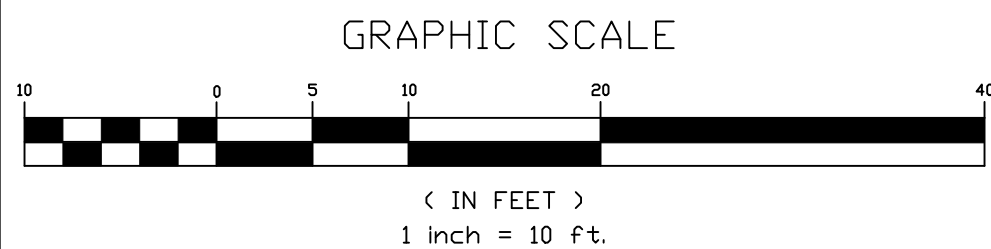
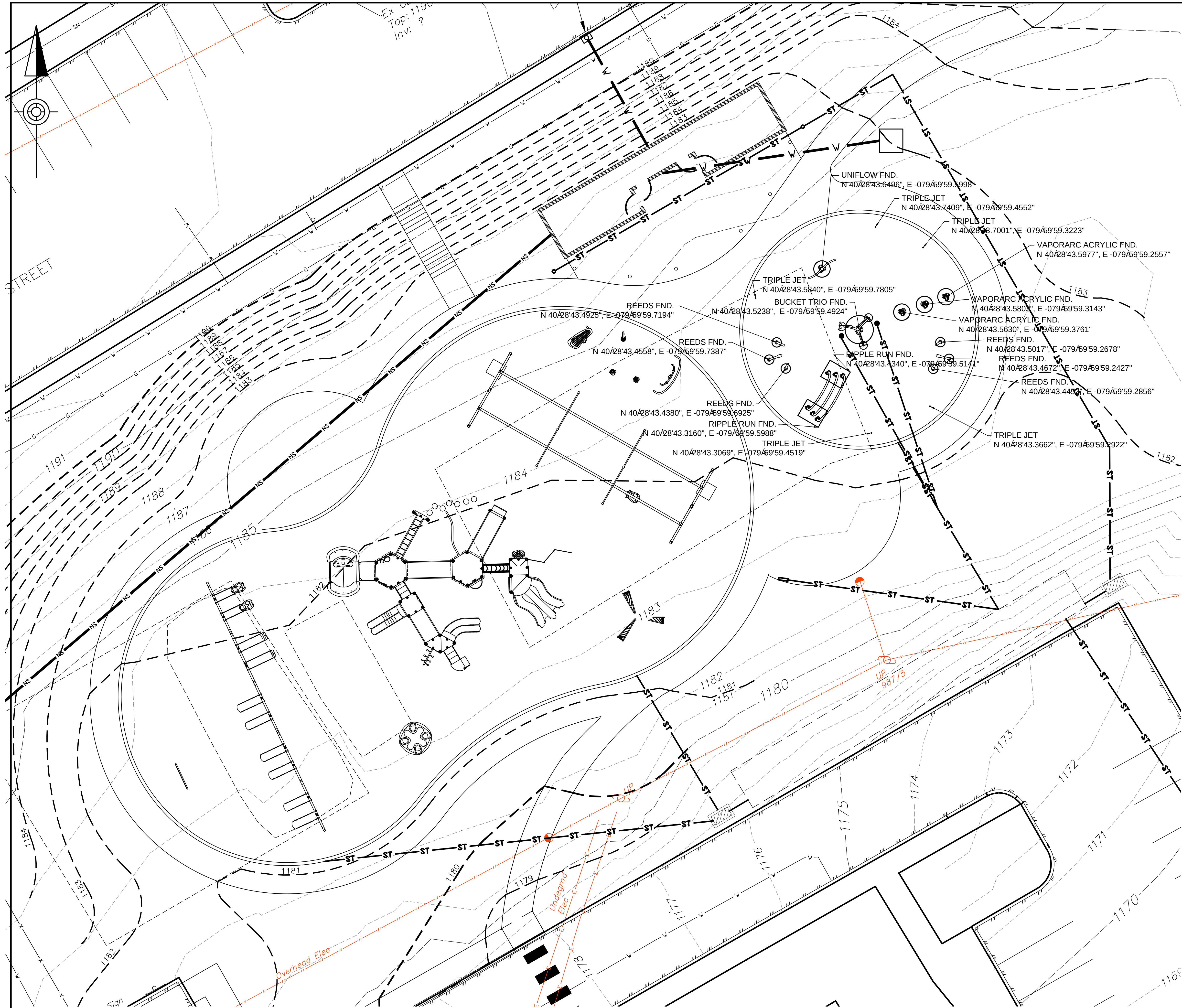
REVISIONS

DRAWN BY	CHECKED BY	DATE ISSUED	DATE PRINTED
CRZ	EAP	07/24/26	07/24/26

UTILITY PLAN

SHEET NUMBER:

C304



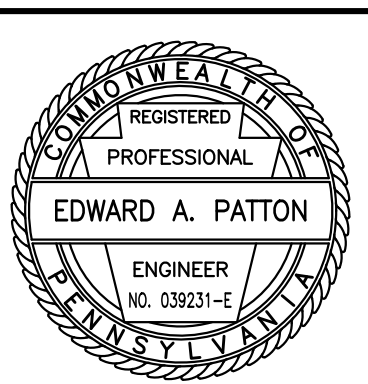
FOUNDATION PLAN

GEOTECHNICAL NOTES:

- 1. SEE SHEET C-7 FOR GEOTECHNICAL RECOMMENDATIONS AND DETAILS.

PLAN NOTES:

- 1. CONTOUR ELEVATION DATUM NAD83 PENNSYLVANIA STATE PLANES, SOUTH ZONE, US FOOT.
- 2. SURVEY AND TOPO TAKEN FROM HAMPTON TECHNICAL ASSOCIATES.



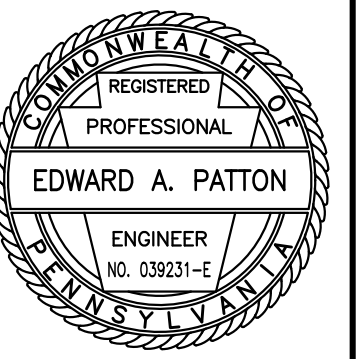
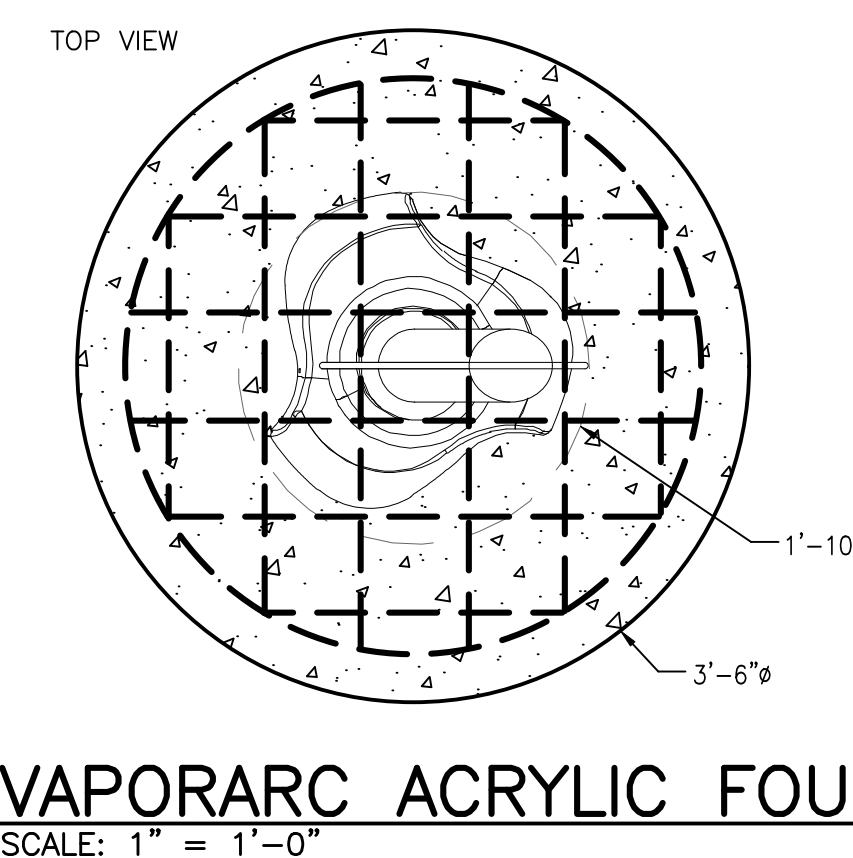
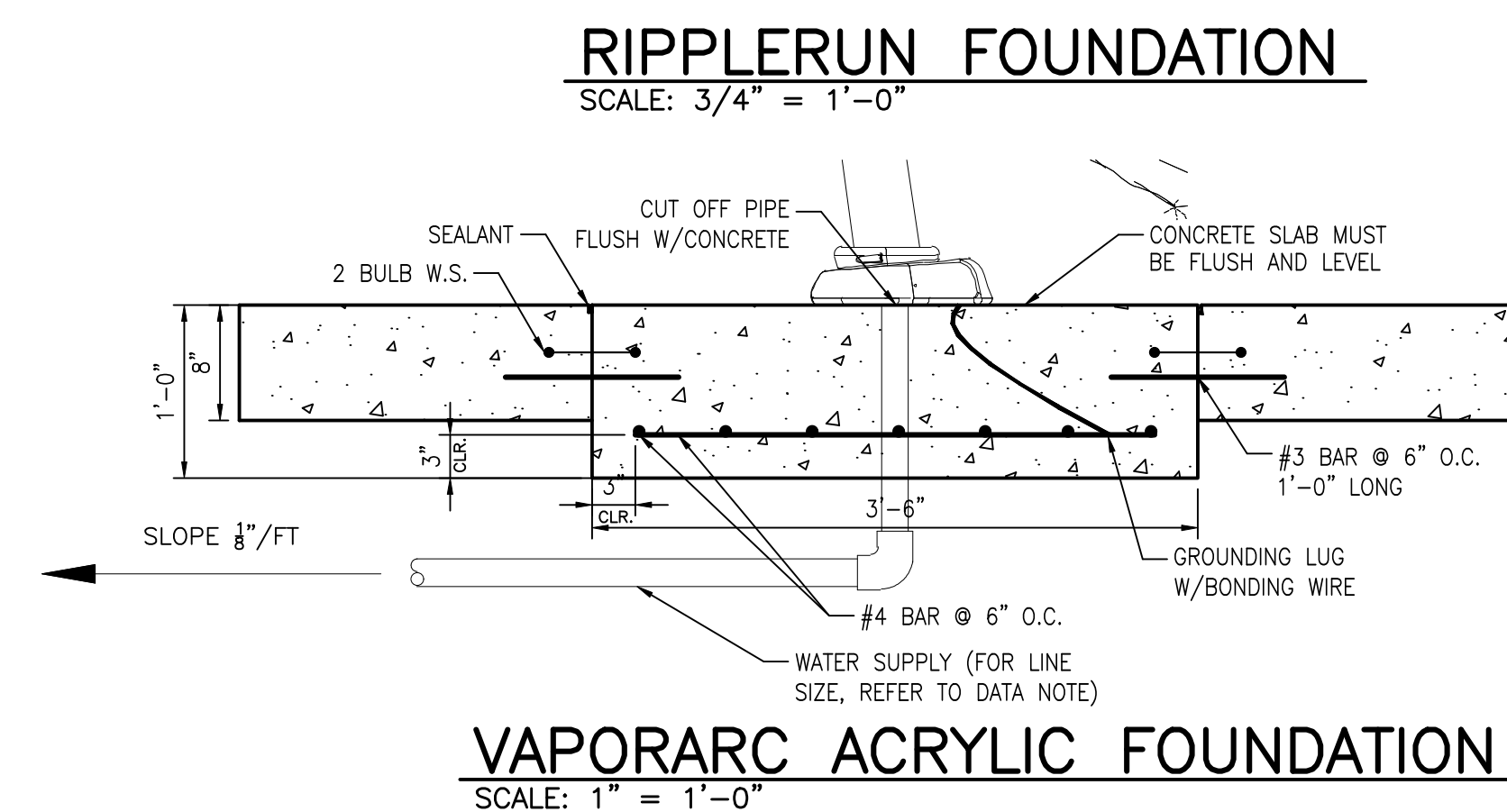
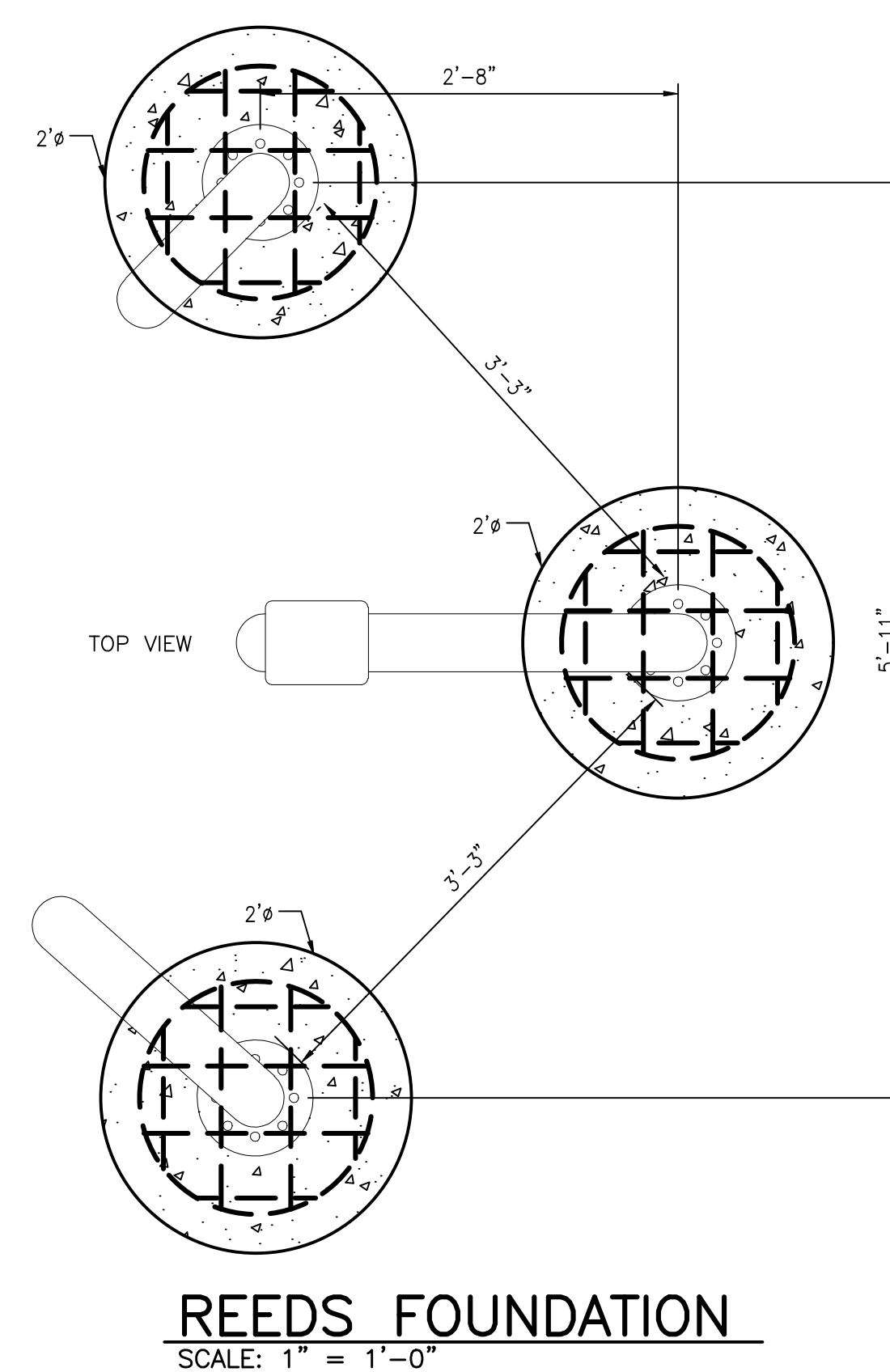
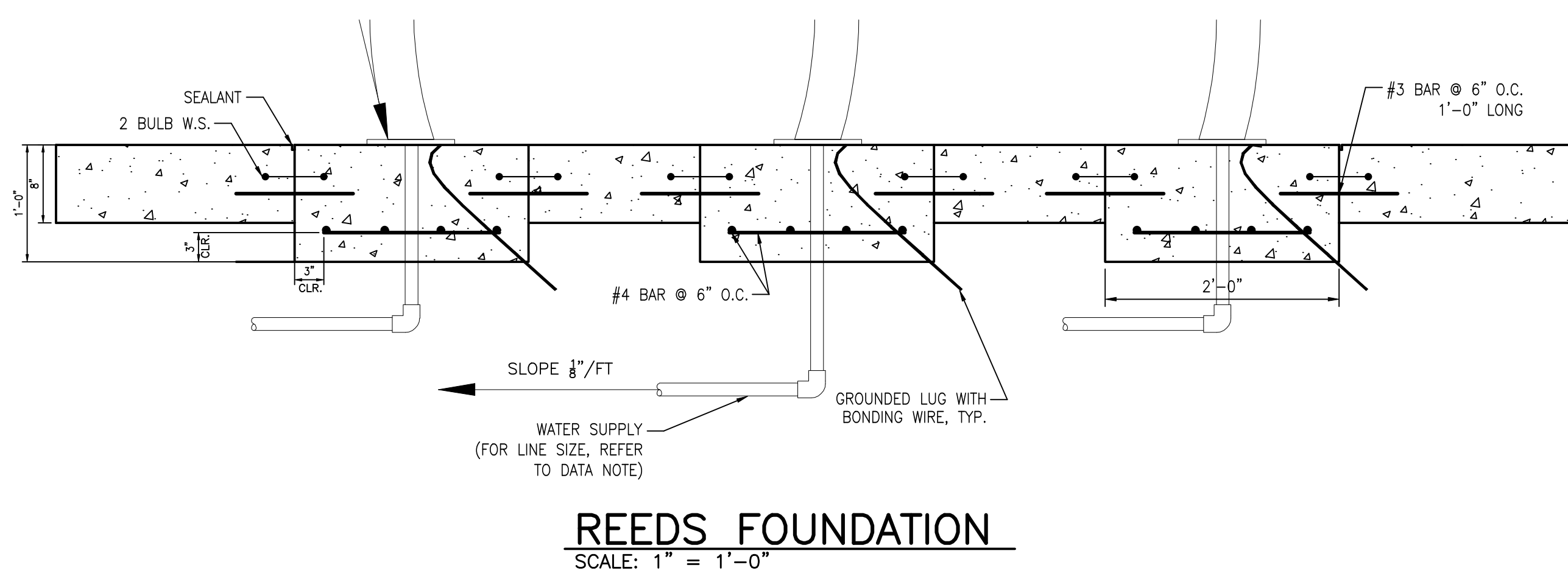
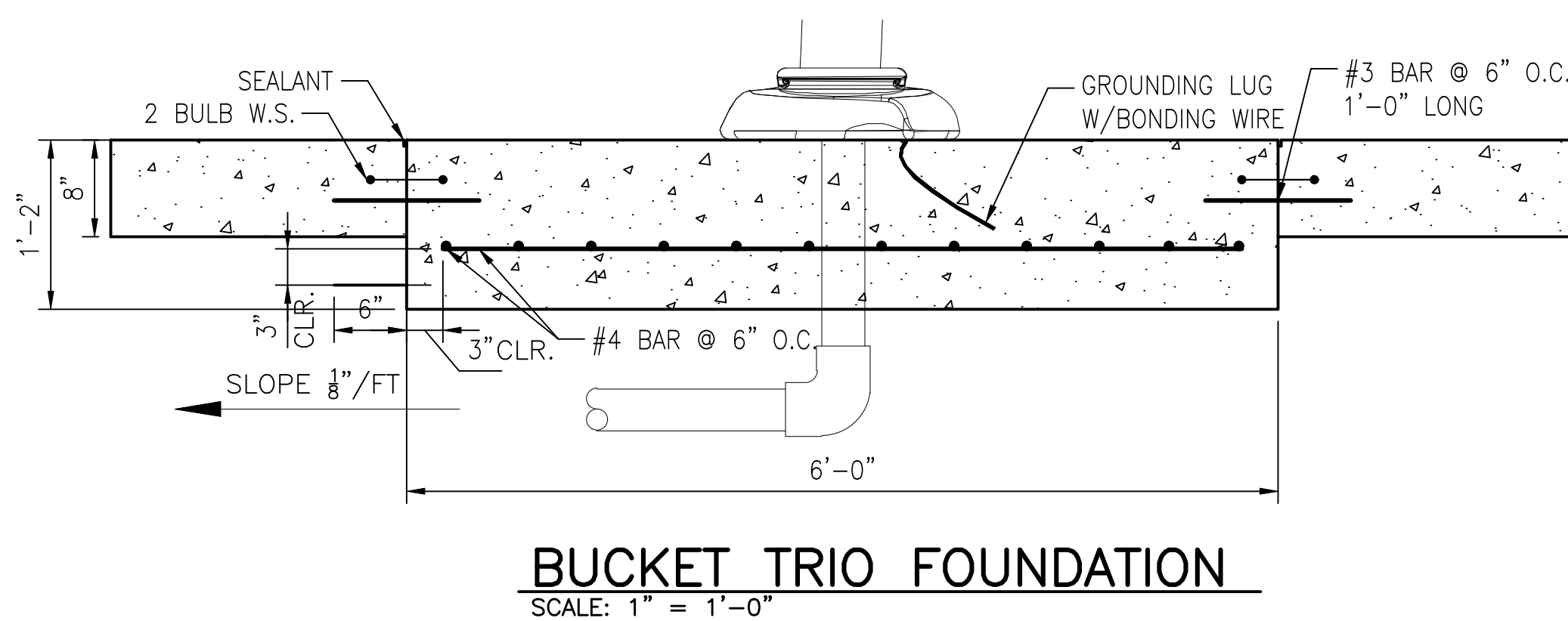
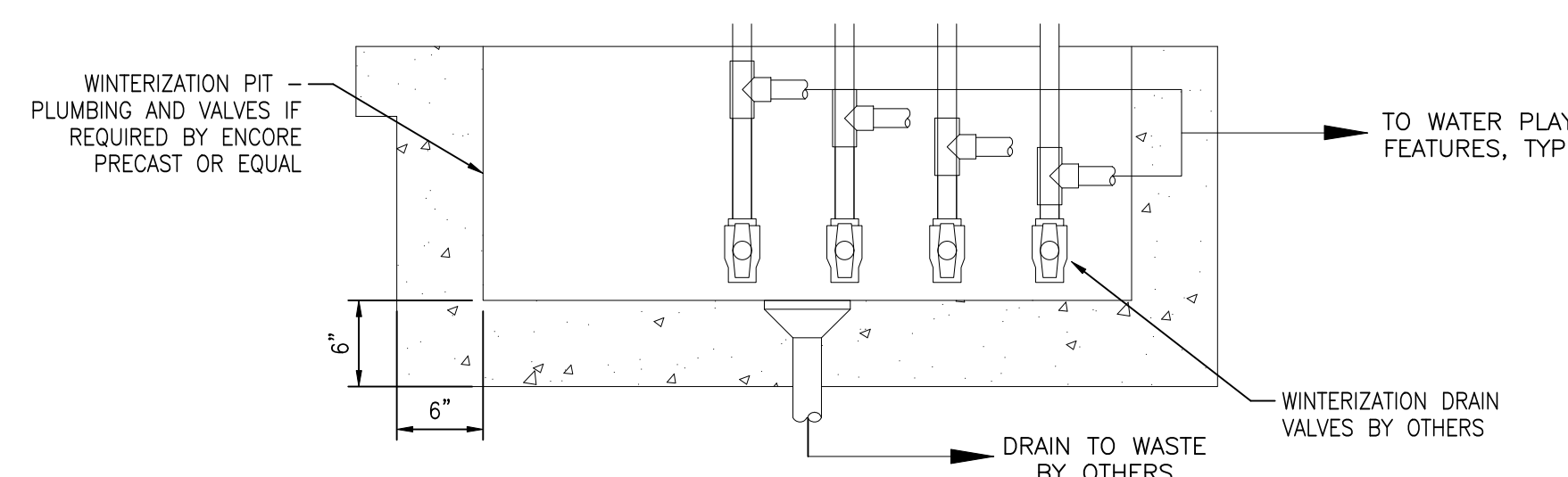
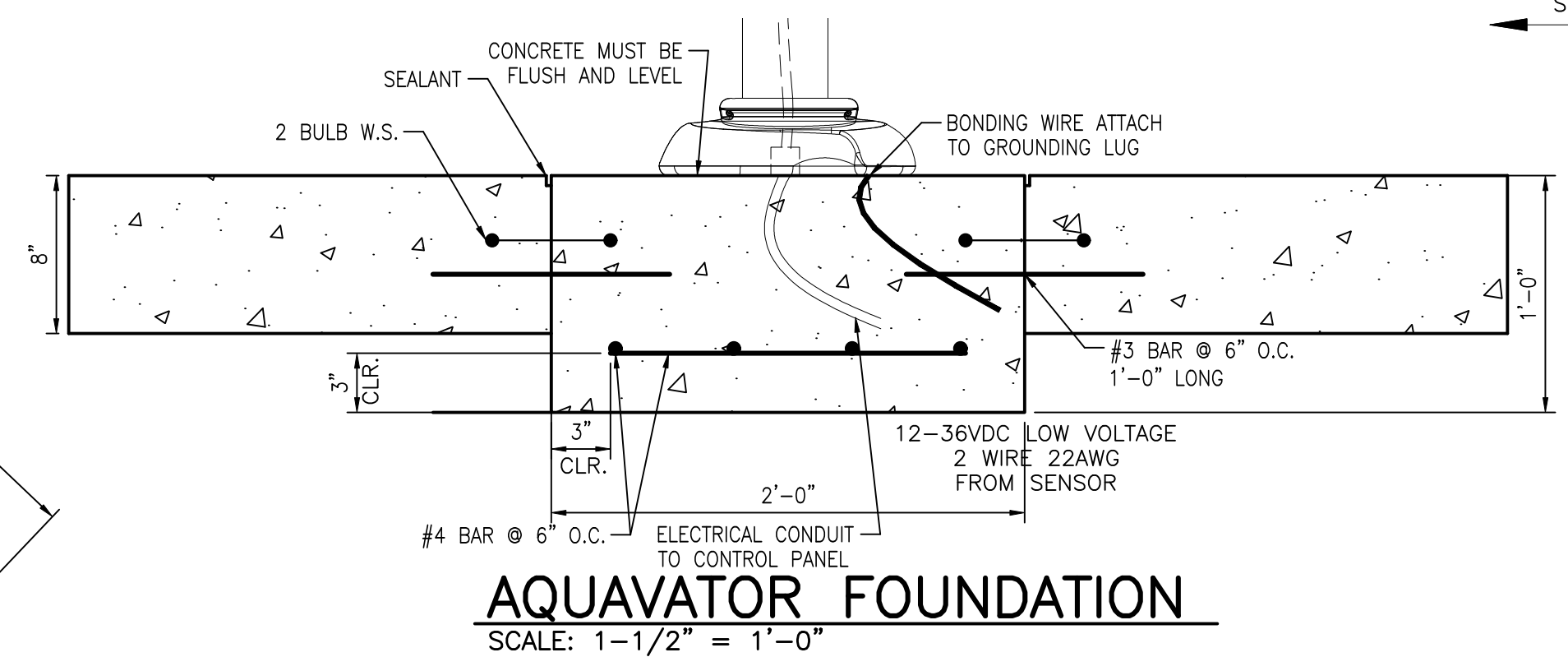
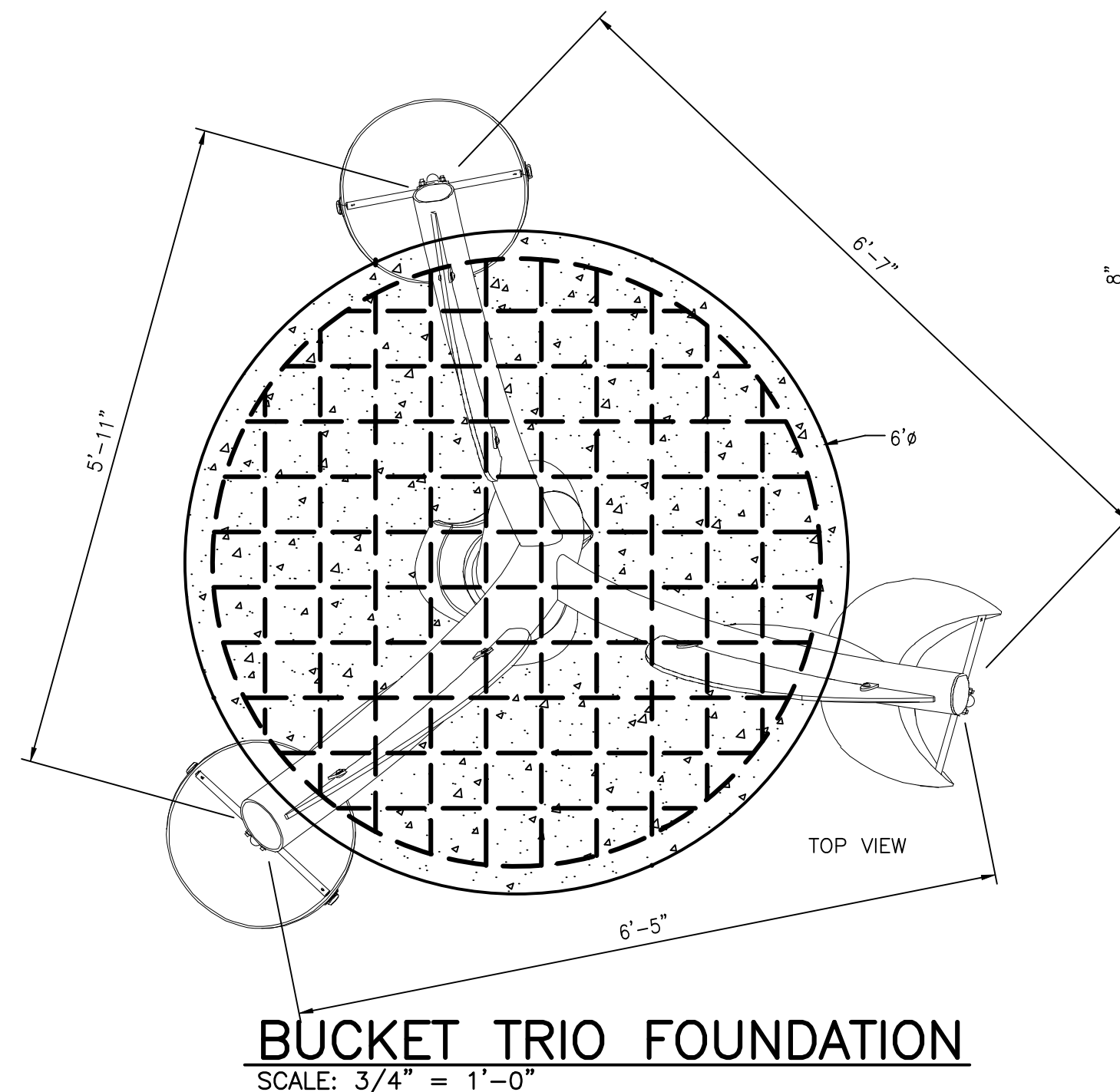
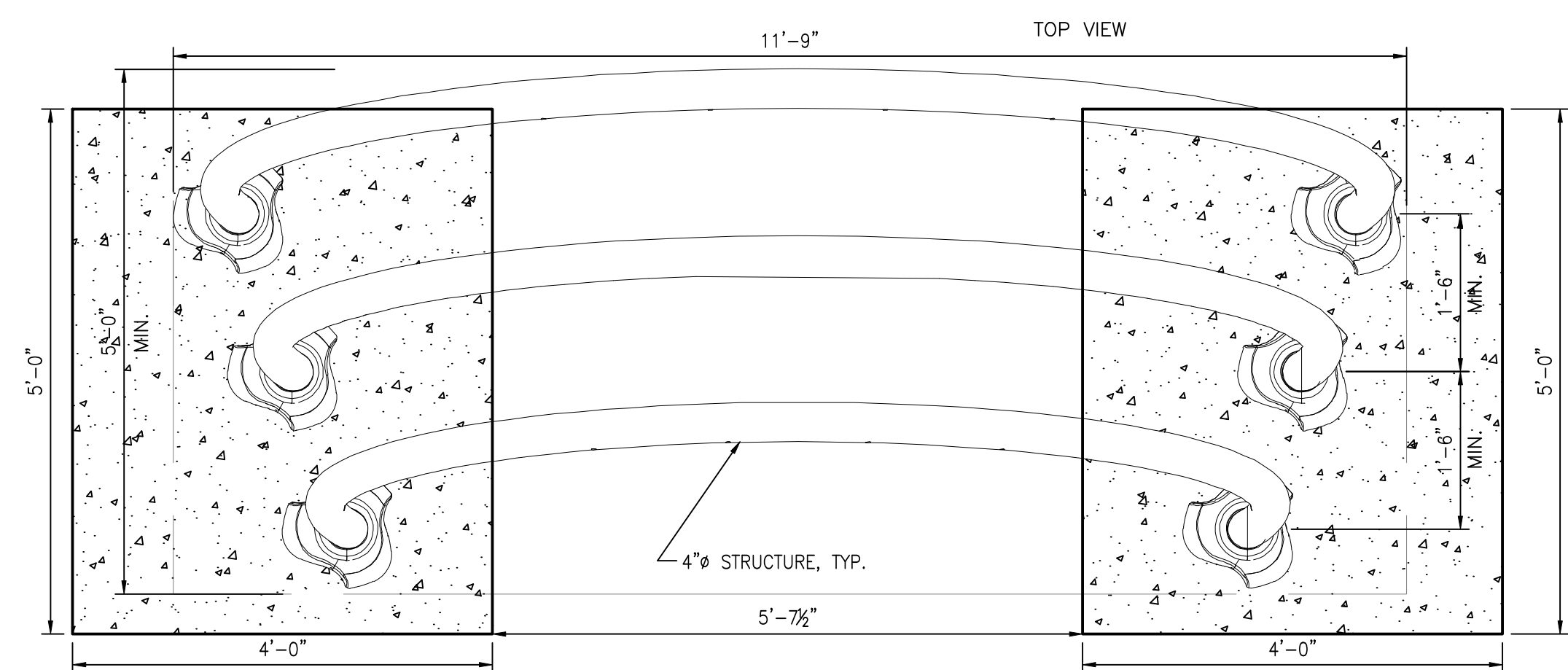
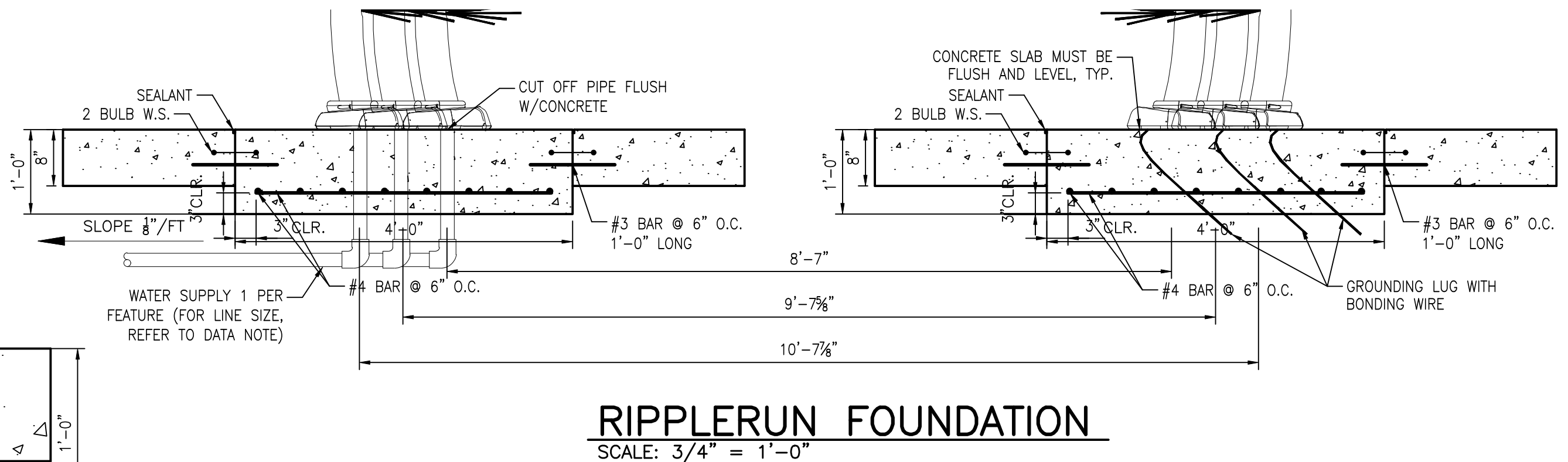
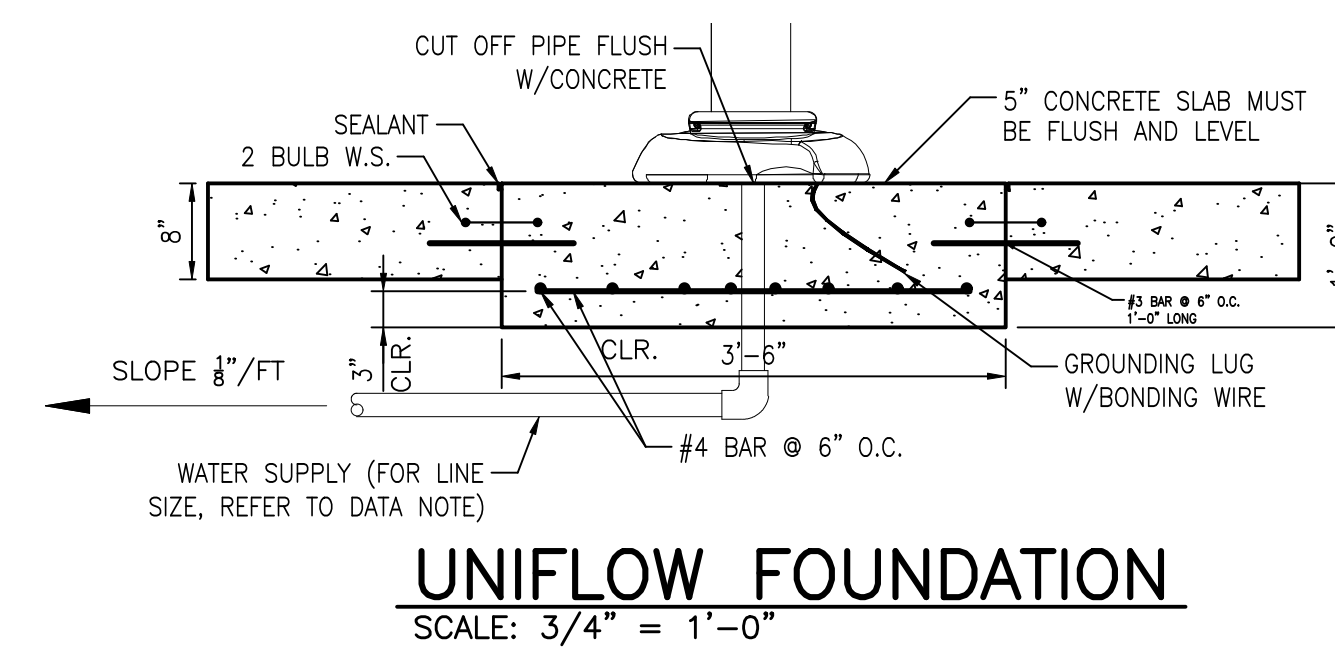
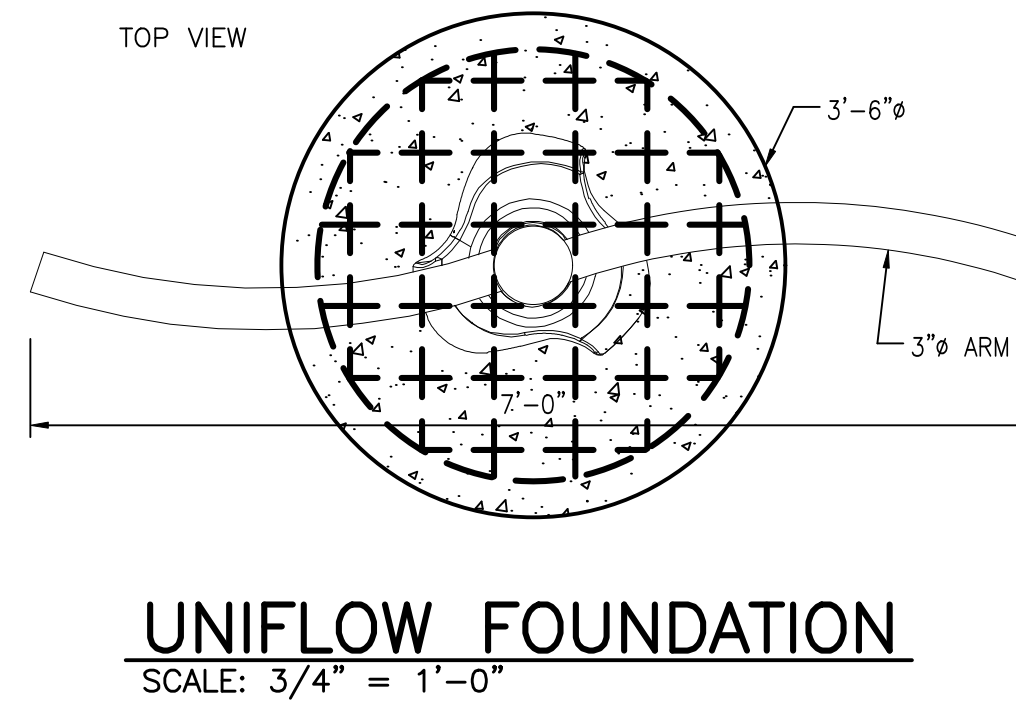
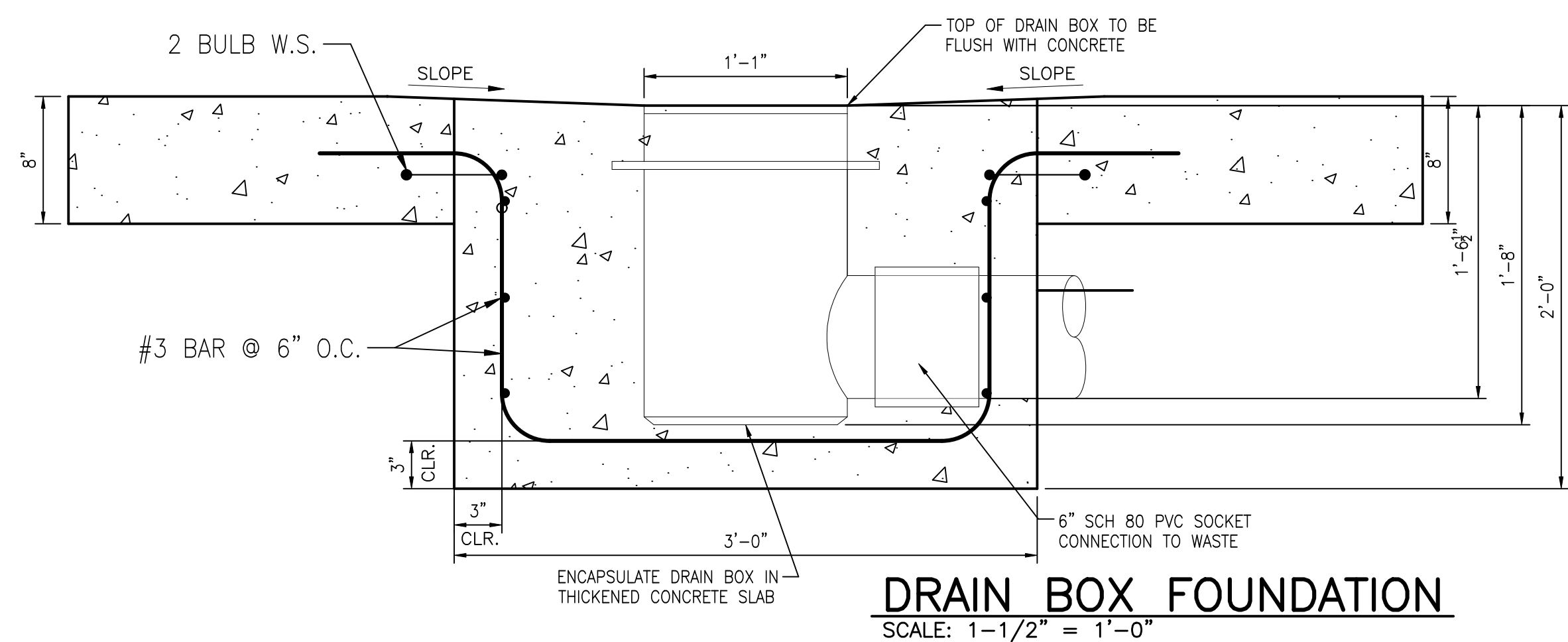
Edward A. Patton

DRAWINGS & SPECIFICATIONS AS INSTRUMENTS OF SERVICE ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR THE ACCURACY OF THE DATA OR INFORMATION PROVIDED BY OTHERS, NOR FOR THE RESULTS OF ANY CONSTRUCTION OR PROGRAMS IN CONNECTION WITH THE PROJECT.

Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

TAA

REVISIONS			
DRAWN BY	CZR	CHECKED BY	EAP
DATE ISSUED	07/24/26	DATE PRINTED	07/24/26
FOUNDATION PLAN			
HACP NVH - Family Recreational Area 525 Mt Pleasant Road, Pittsburgh, PA 15214			
SHEET NUMBER:			
C305			



DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE USED FOR 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 CONSTRUCTIONS 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.

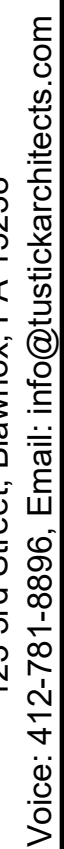
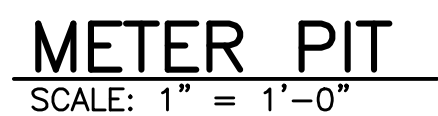
USICK & ASSOCIATES ARCHITECTS, INC.



Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238

425 Old Street, Brixton, London, UK SW9 0NU
Voice: 412-781-8896, Email: info@tustickarchitects.com

SHEET NUMBER: C307	FOUNDATION DETAILS	
	HACP NVH - Family Recreational Area 525 Mt Pleasant Road, Pittsburgh, PA 15214	CRZ CHECKED BY EAP DATE ISSUED 07/24/26 DATE PRINTED 07/24/26



C308

1
C309

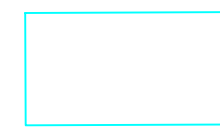
Water Equipment Manifold & Piping Layout

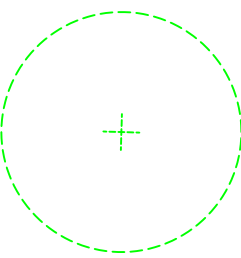
SCALE: 1/16" = 1'-0"

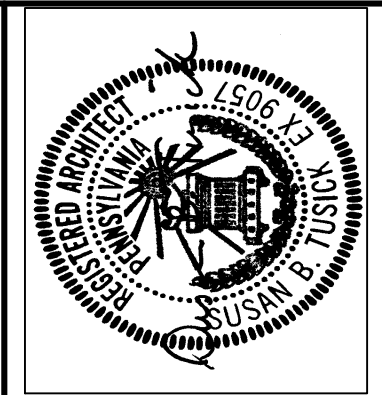
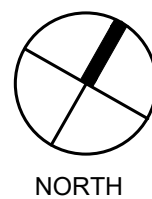
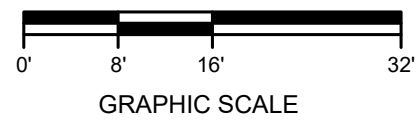
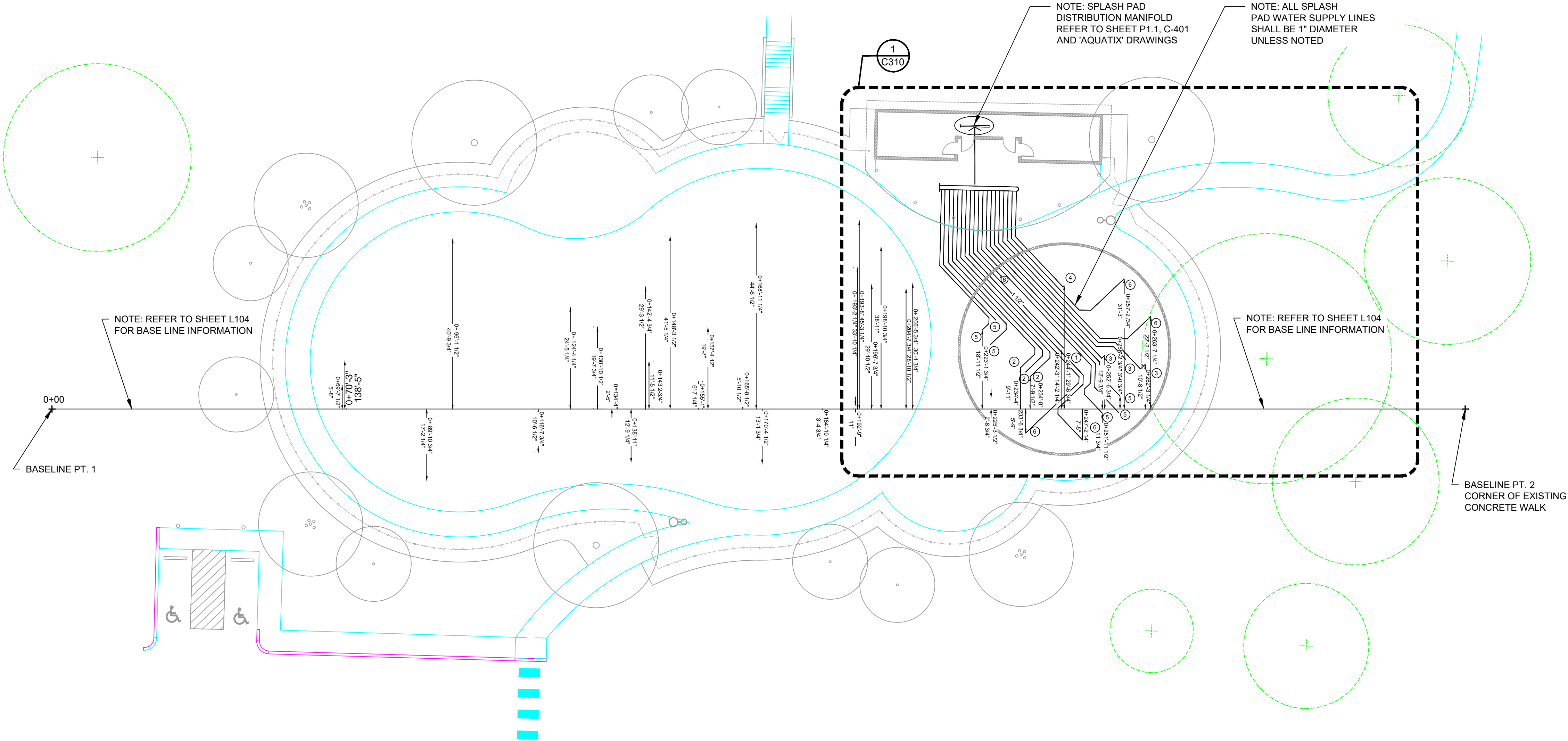
NOTES

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



DRAWINGS & SPECIFICATIONS AS INSTRUMENTS OF SERVICE. THE ENGINEER HAS CONDUCTED VISUAL GENERAL VERIFICATION OF THE PROJECT AND HAS FOUND NO APPARENT CONFLICTS. THE ENGINEER IS NOT RESPONSIBLE FOR THE ACCURACY OF THE DATA OR THE RESULTS OF THE FIELD SURVEY. THE ENGINEER IS NOT RESPONSIBLE FOR THE DESIGN OR CONSTRUCTION OF THE PROJECT. THE ENGINEER IS NOT RESPONSIBLE FOR THE RESULTS OF THE FIELD SURVEY. THE ENGINEER IS NOT RESPONSIBLE FOR THE DESIGN OR CONSTRUCTION OF THE PROJECT. THE ENGINEER IS NOT RESPONSIBLE FOR THE RESULTS OF THE FIELD SURVEY. THE ENGINEER IS NOT RESPONSIBLE FOR THE DESIGN OR CONSTRUCTION OF 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

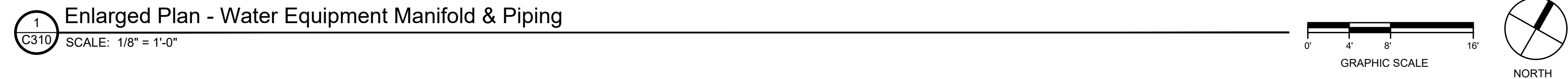
DRAWN BY	REVISIONS	
	DATE	DESCRIPTION
JAG		
SBT		
DATE ISSUED	07/31/26	
DATE PRINTED	07/31/26	

WATER EQUIPMENT MANIFOLD & PIPING LAYOUT

HACP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214

SHEET NUMBER:

C309



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 ABOUT 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.

PROPOSED CONCRETE PAVING

PROPOSED PLAYGROUND SAFETY SURFACING

PROPOSED CONCRETE CURB

EXISTING TREE TO REMAIN

© Tusick & Associates Architects, Inc.

Voice: 412-781-8896 Email: info@trustickarchitects.com

JAG	
CHECKED BY SBT	
DATE ISSUED 07/31/26	
DATE PRINTED 07/31/26	

ENLARGED PLAN - WATER EQUIPMENT MANIFOLD & PIPING

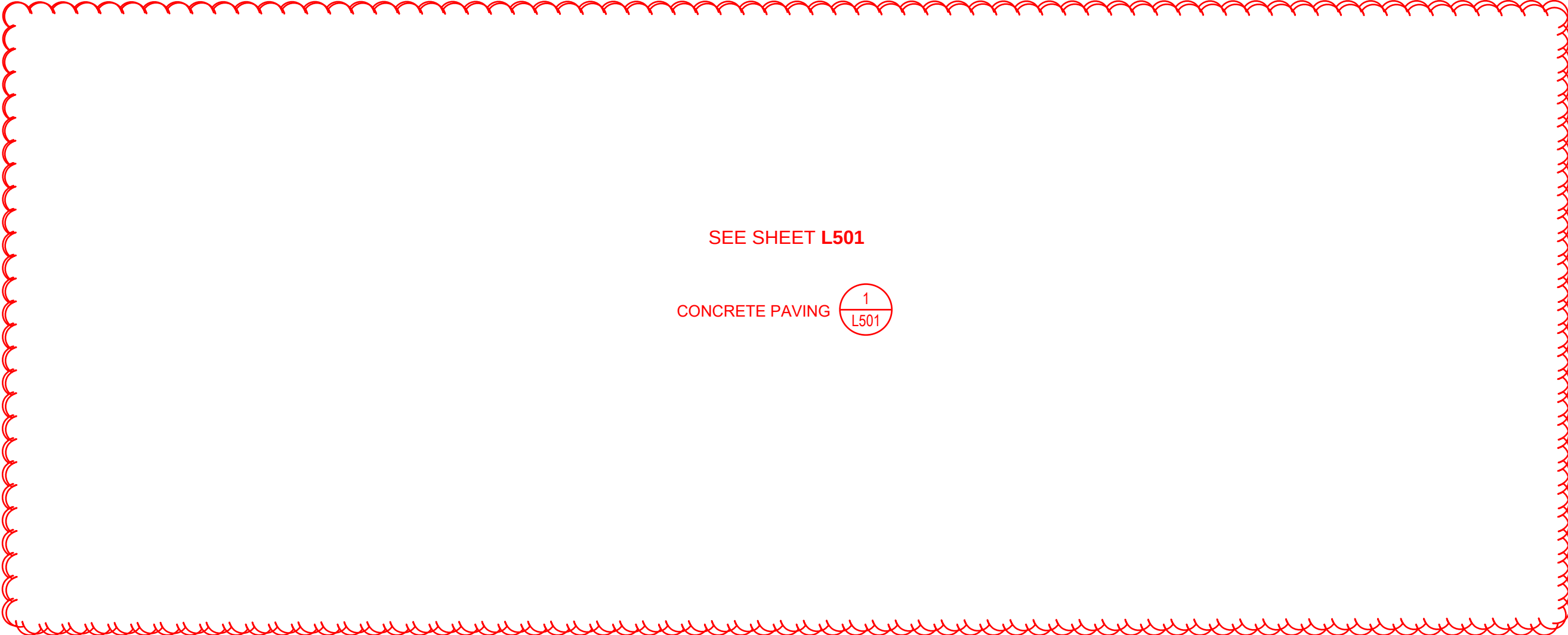
HACP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214

SHEET NUMBER:

C310

SHEET NUMBER:

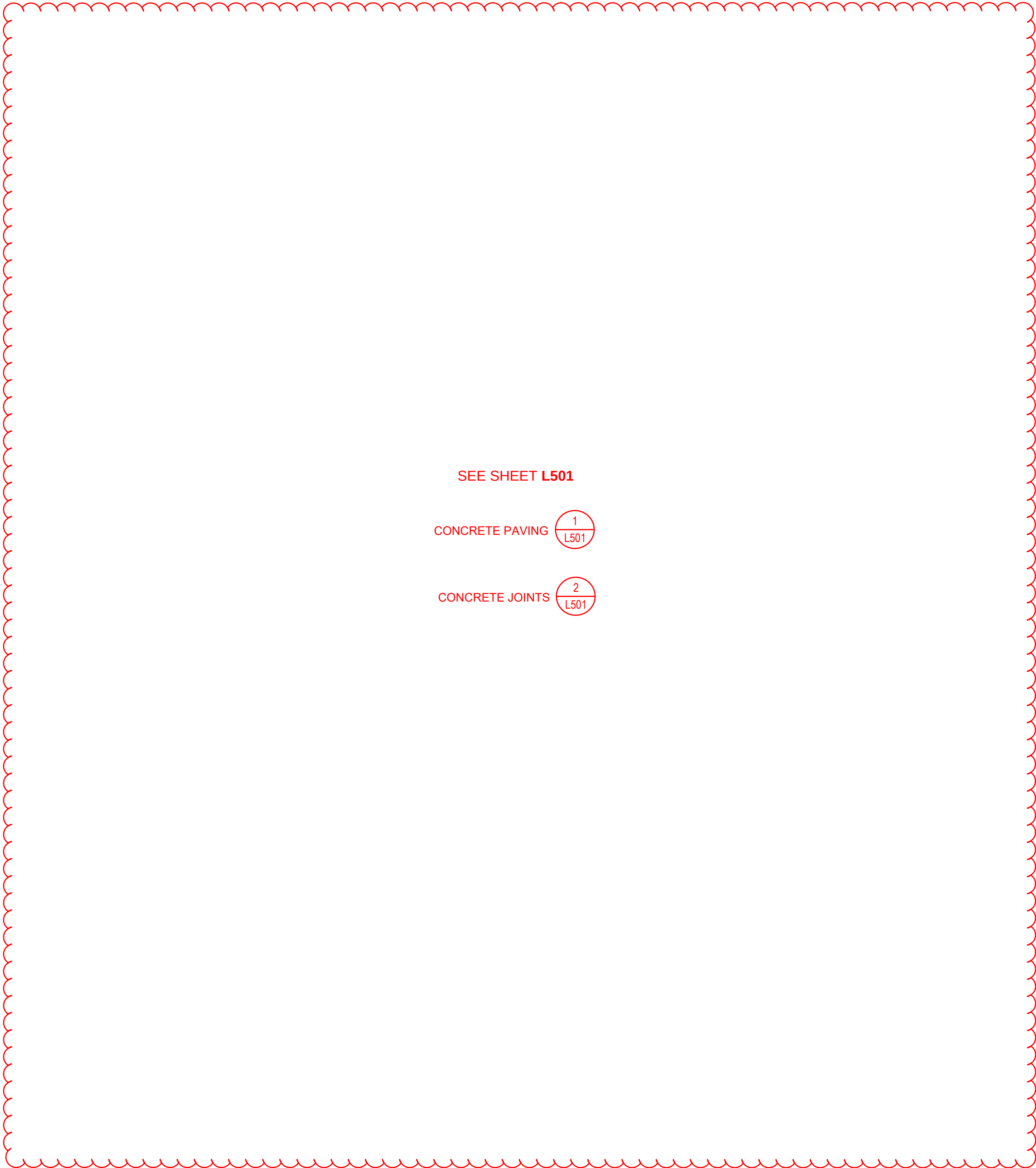
C401



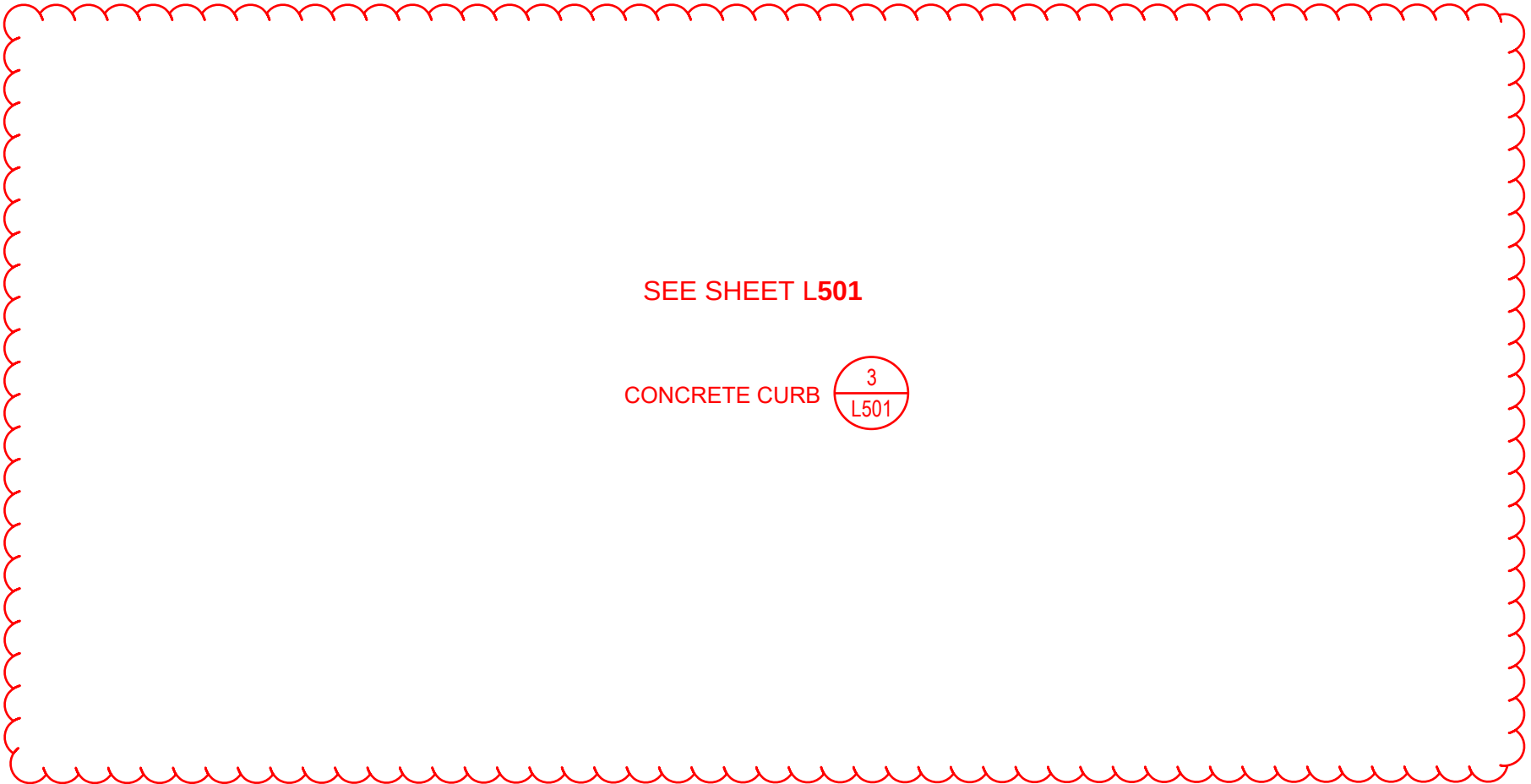
STANDARD DUTY CONCRETE PAVEMENT PAD SECTION
SCALE: NTS



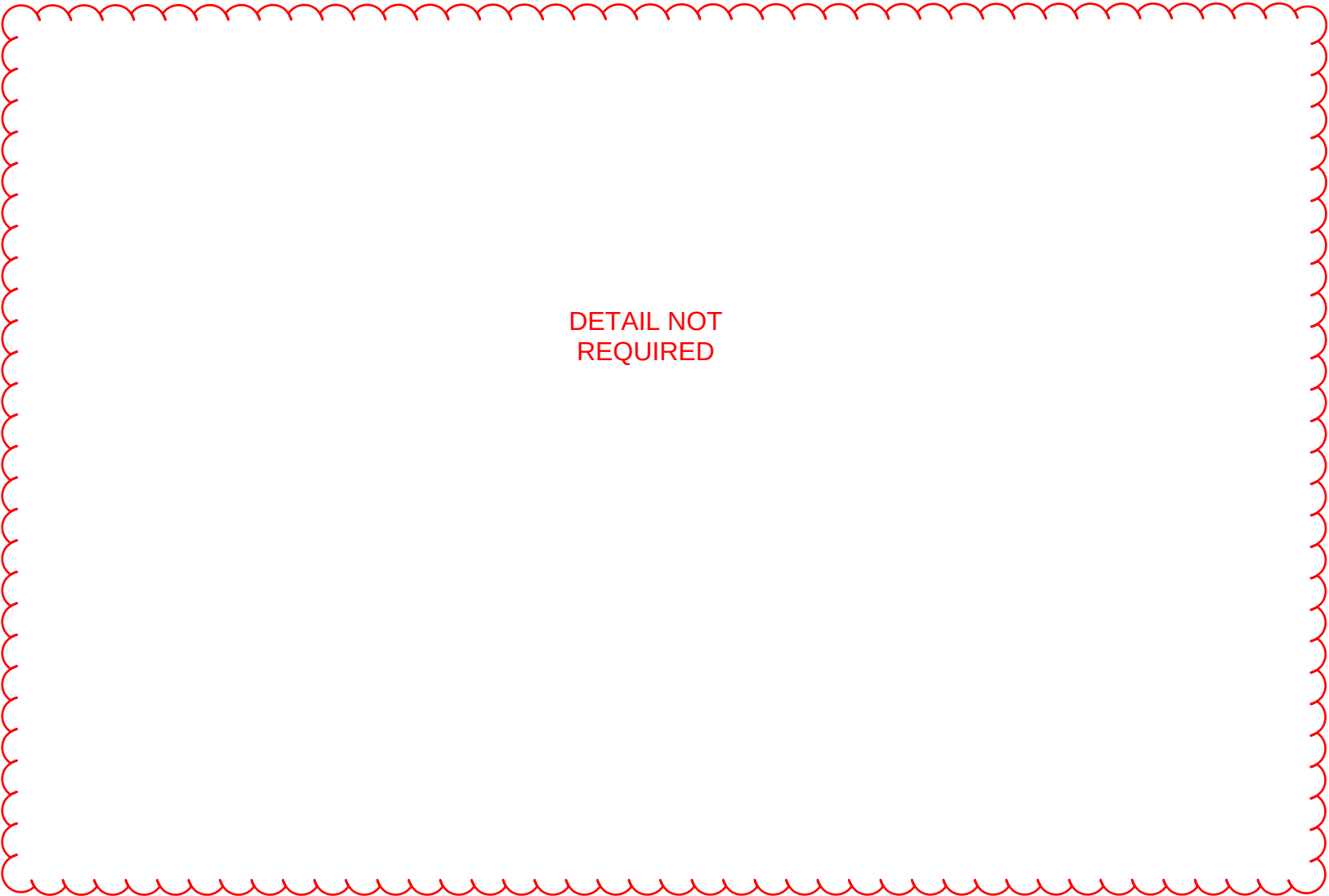
HEAVY DUTY CONCRETE PAVEMENT PAD SECTION
SCALE: NTS



CONCRETE SIDEWALK
SCALE: NTS



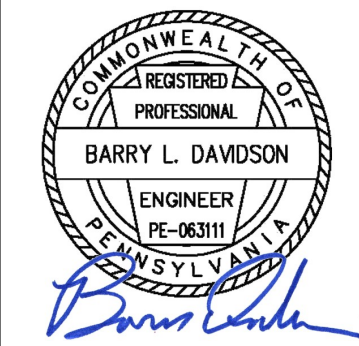
7" REVEAL CONCRETE CURB
SCALE: NTS



BIKE RACK DETAIL
SCALE: NTS



BOLLARD DETAIL
SCALE: NTS



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 officers and directors of the Architect. The Architect 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

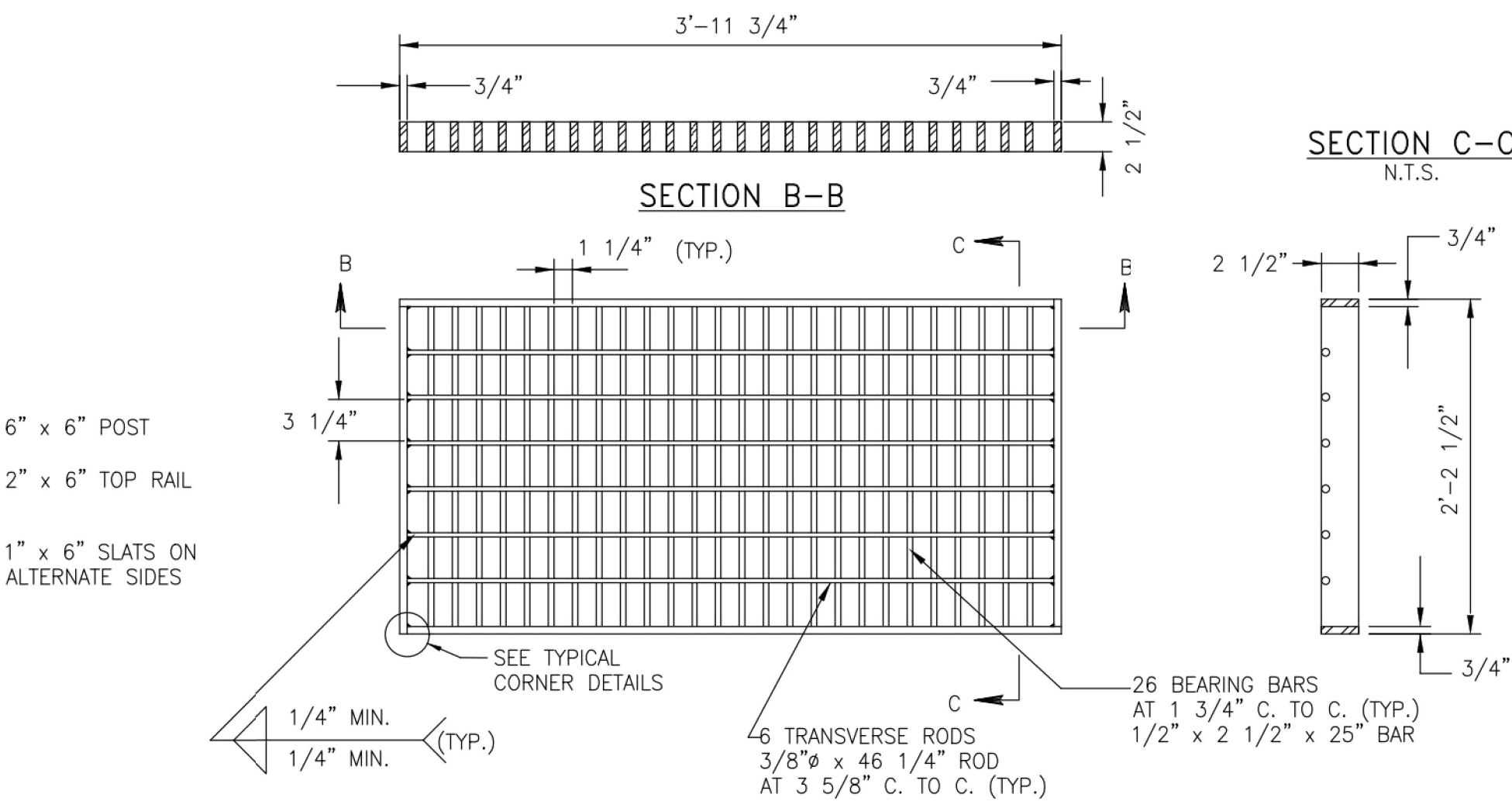
REVISIONS	
DRAWN BY	REVISED FOR
SJD	ADDITIONAL
CHECKED BY	CLARITY (6/26)
BLD	
DATE ISSUED	
04-10-2023	
DATE PRINTED	
04-10-2023	

CONSTRUCTION DETAILS	
HACP NVH - Family Recreational Area 525Mt Pleasant Road, Pittsburgh, PA 15214	

SHEET NUMBER:

C501

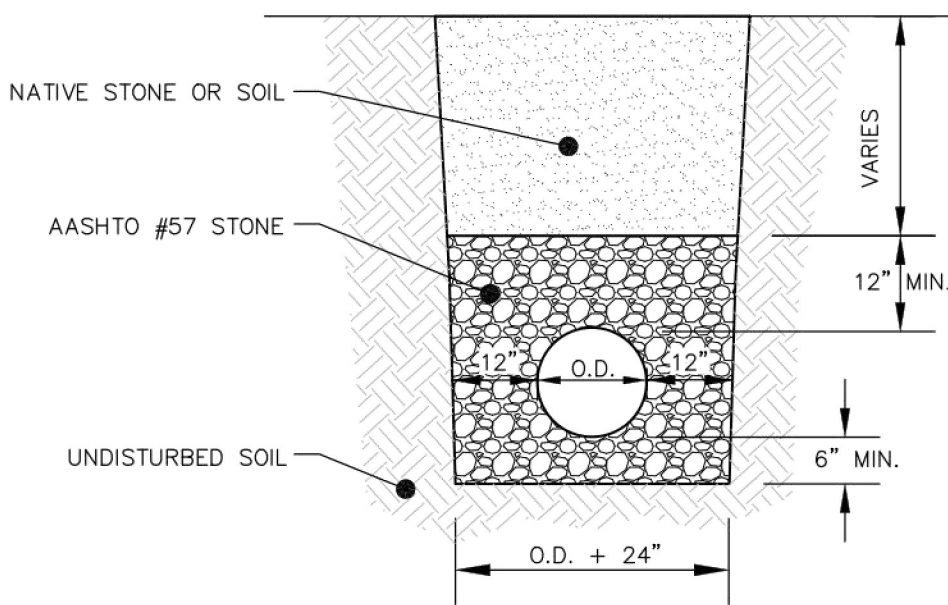
1 TYPE "M" INLET DETAIL
C502 SCALE: N.T.S.



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.

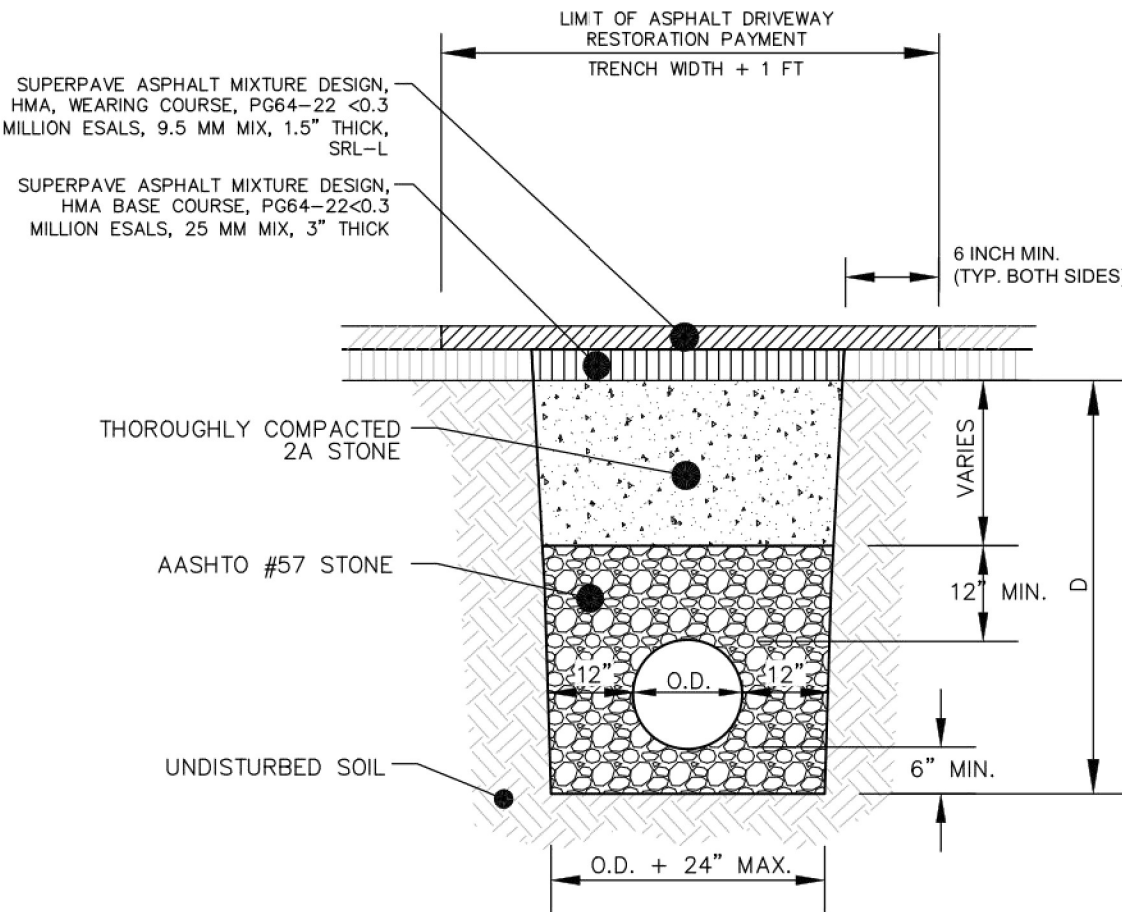
2 STRUCTURAL STEEL GRATE (BICYCLE SAFE)
C502 SCALE: N.T.S.

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.



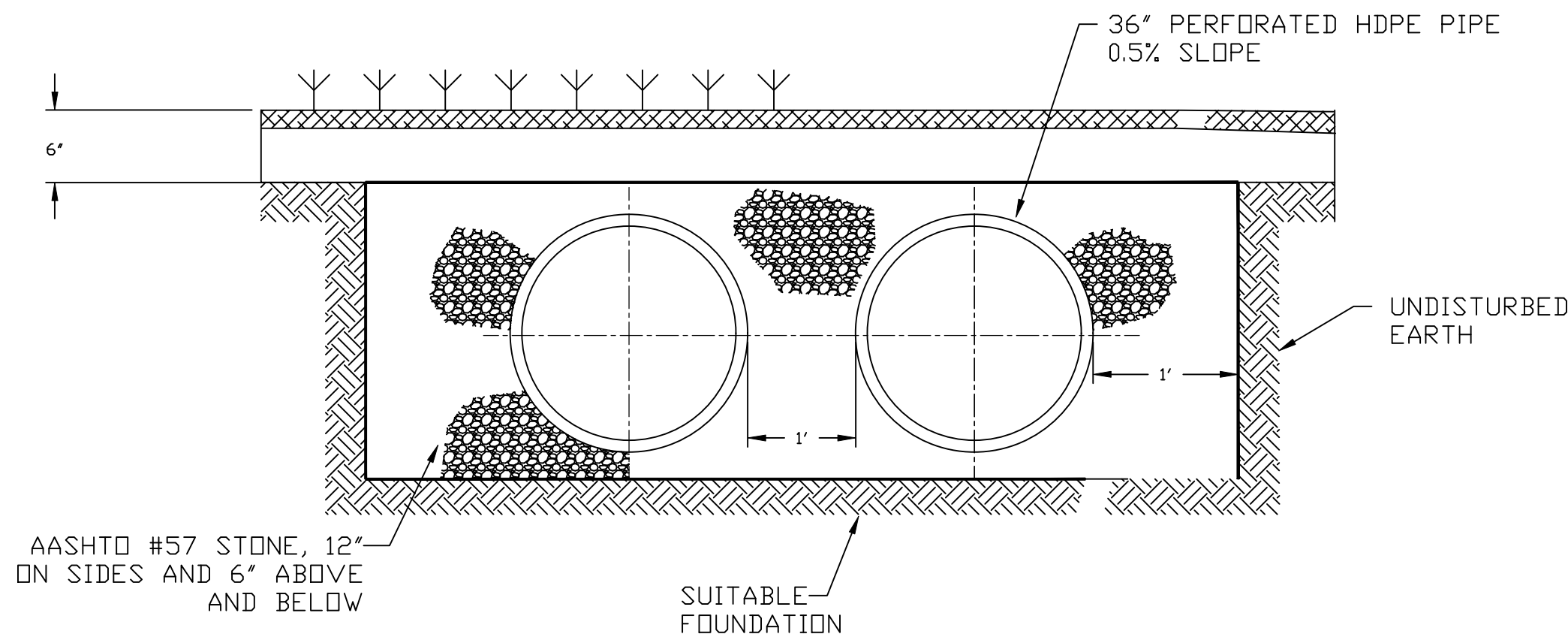
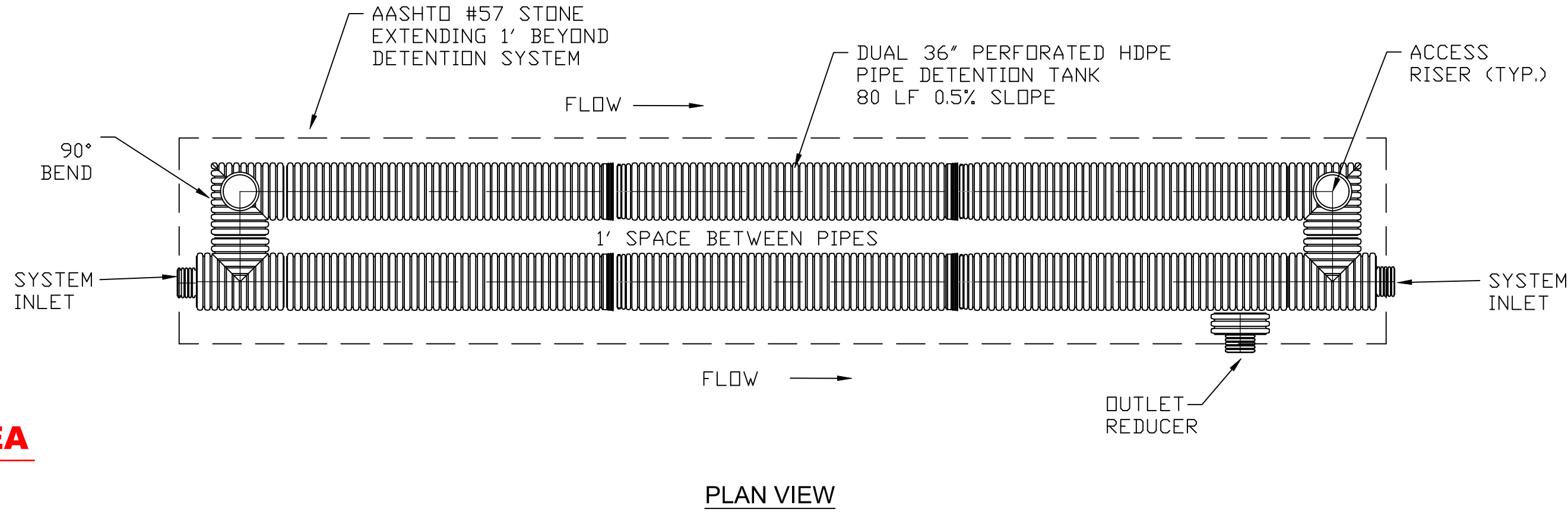
NOTES:
1. O.D. = OUTSIDE DIAMETER

3 PIPE TRENCH DETAIL - UNPAVED AREA
C502 SCALE: N.T.S.



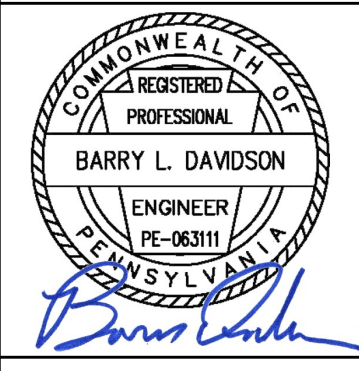
NOTES:
1. O.D. = OUTSIDE DIAMETER

4 PIPE TRENCH DETAIL - ASPHALT PAVING
C502 SCALE: N.T.S.



- NOTES:**
- 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.
 - ALL RETENTION AND DETENTION SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, LATEST EDITION AND THE MANUFACTURER'S PUBLISHED INSTALLATION GUIDELINES.
 - MEASURES SHOULD BE TAKEN TO PREVENT THE MIGRATION OF NATIVE FINES INTO THE BACKFILL MATERIAL, WHEN REQUIRED. SEE ASTM D2321.
 - 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.
 - 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.
 - 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).
 - 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.
 - MINIMUM COVER:** MINIMUM COVER OVER ALL RETENTION/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 FLOTATION. 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.

5 UNDERGROUND DETENTION SYSTEM DETAIL
C502 SCALE: N.T.S.



Drawings and Specifications, as instruments of service, are and shall remain the property of the Architect. They are not to be used on any other project, or other projects, except by agreement in writing with appropriate written consent of the Architect. The Architect shall be 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.

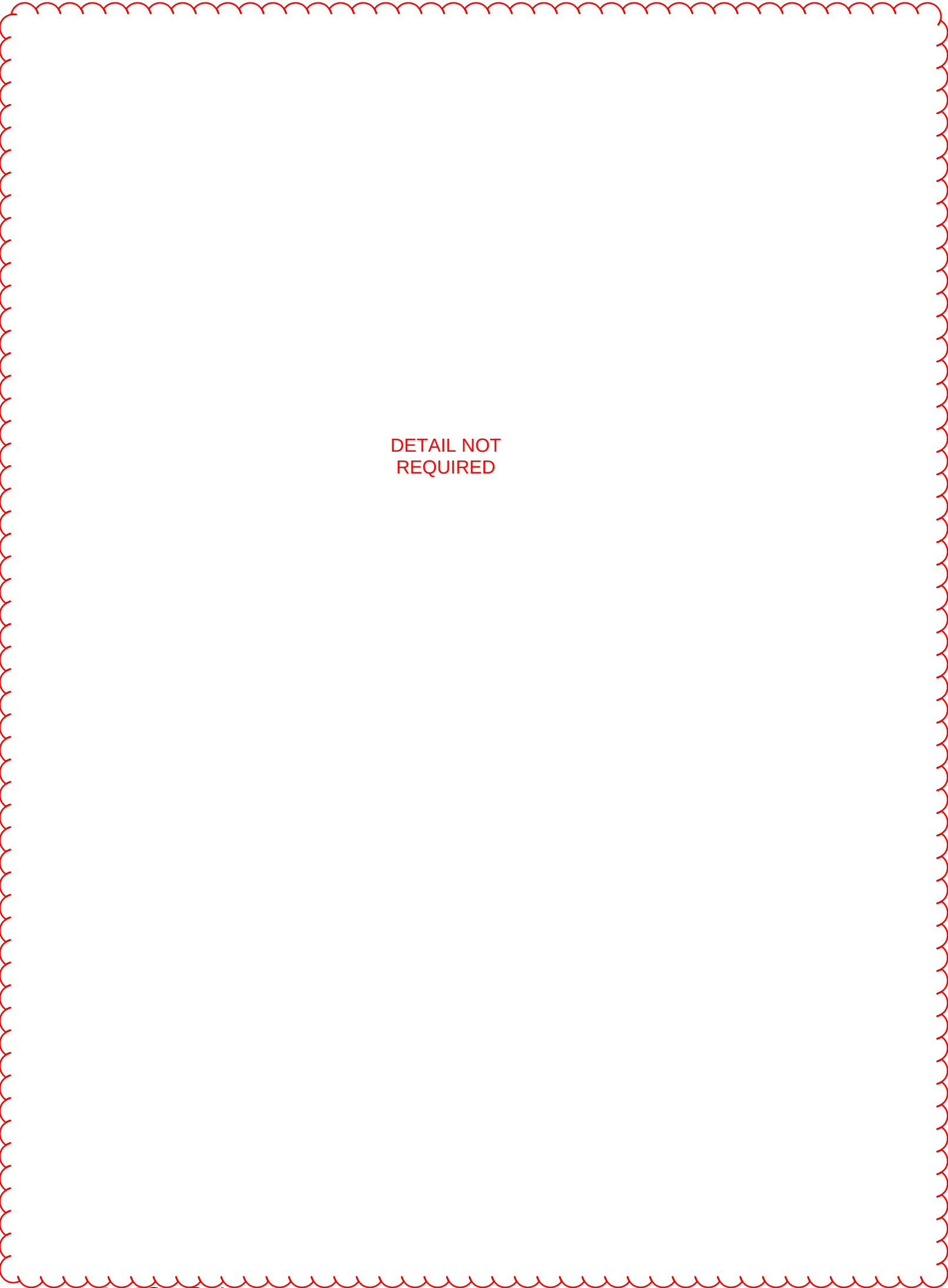
TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS		DRAWN BY		CHECKED BY		DATE ISSUED		DATE PRINTED	
REVISED FOR ADDITIONAL CLARITY (6/26)		SJD		BLD		04-10-2023		04-10-2023	

STORMWATER MANAGEMENT CONSTRUCTION DETAILS
HACP NVH - Family Recreational Area
525Mt Pleasant Road,
Pittsburgh, PA 15214

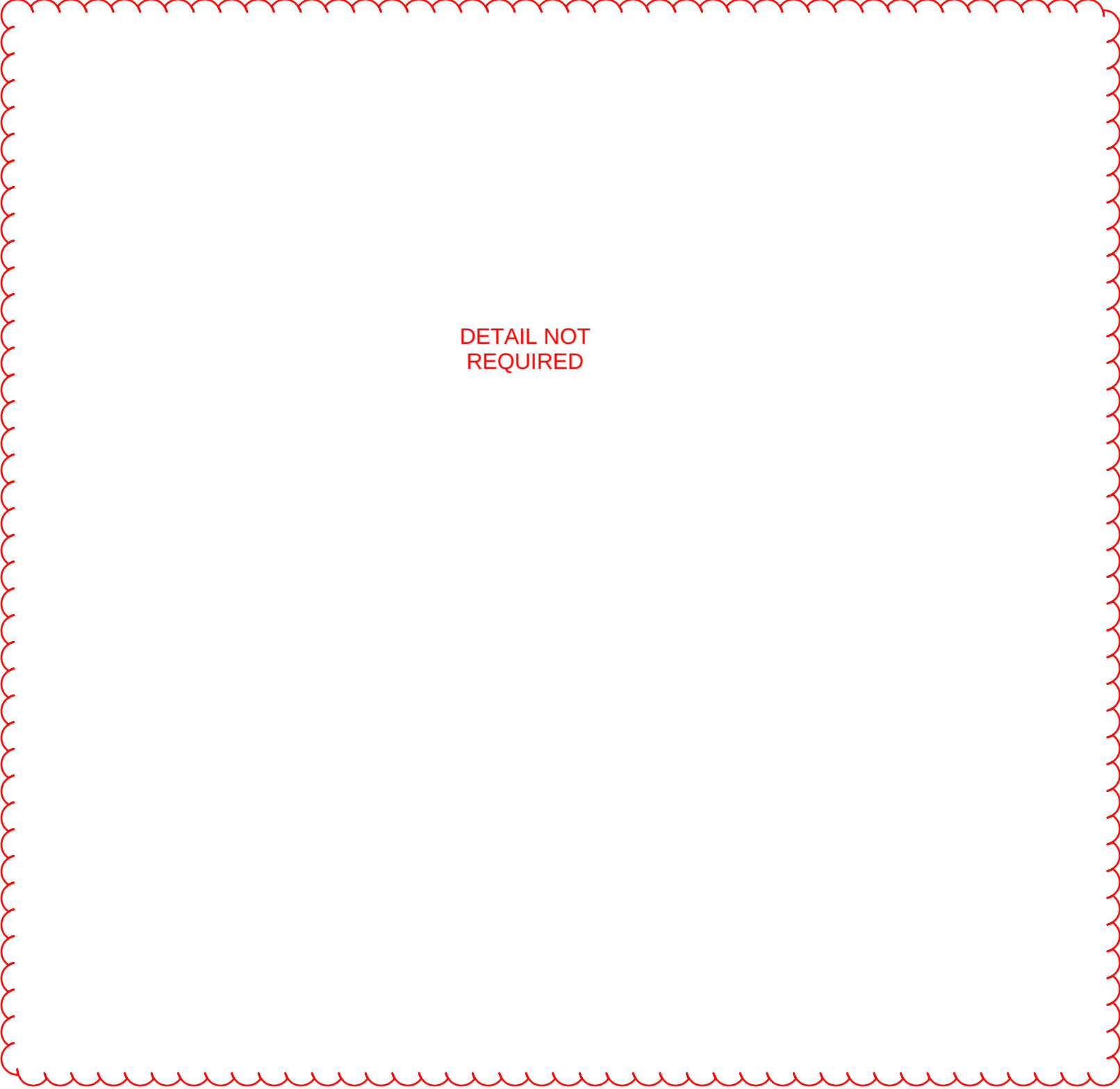
SHEET NUMBER:

C502



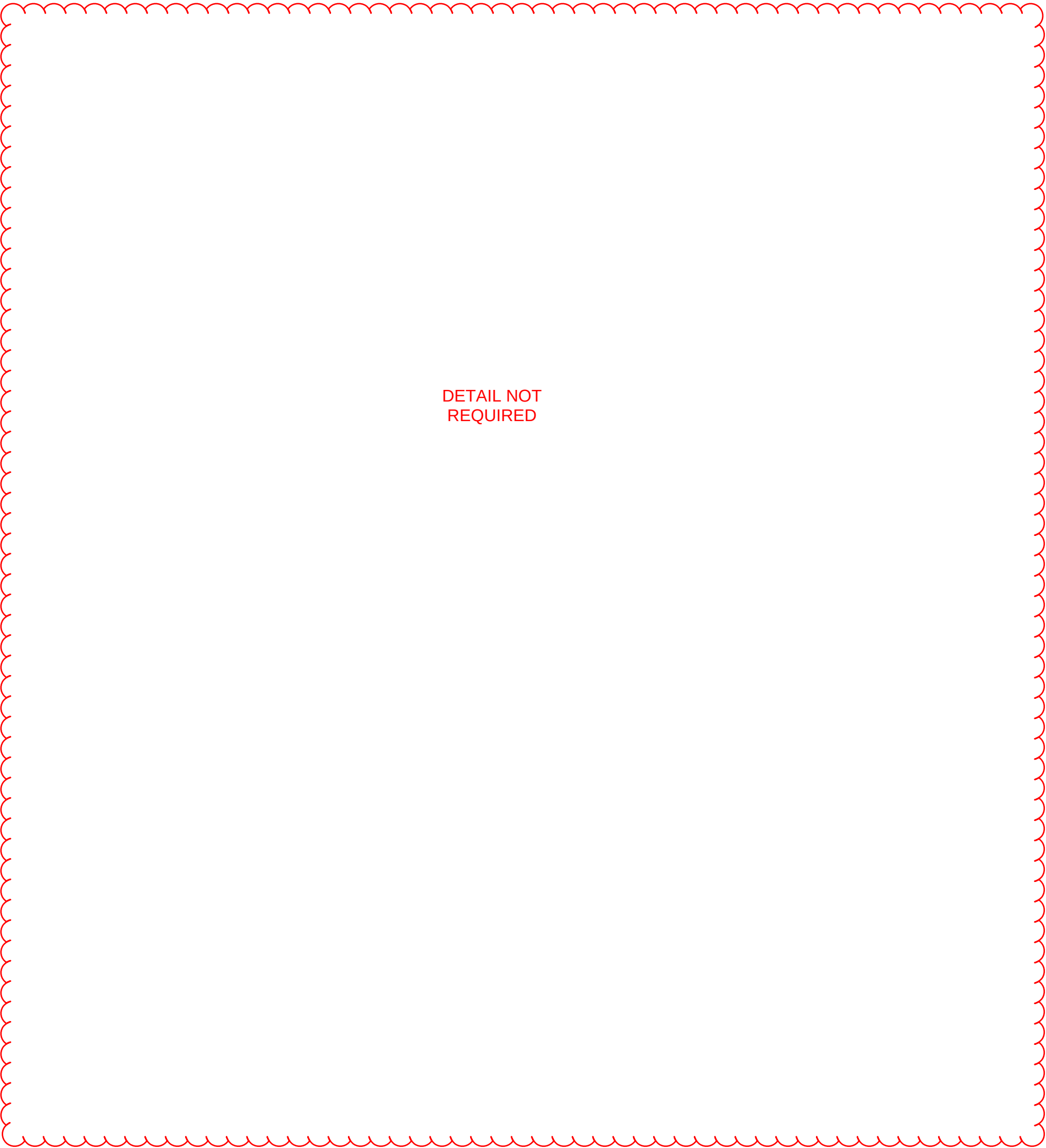
WS-C1
SINGLE SERVICE CONNECTION
(4" AND LARGER)

SCALE:NTS



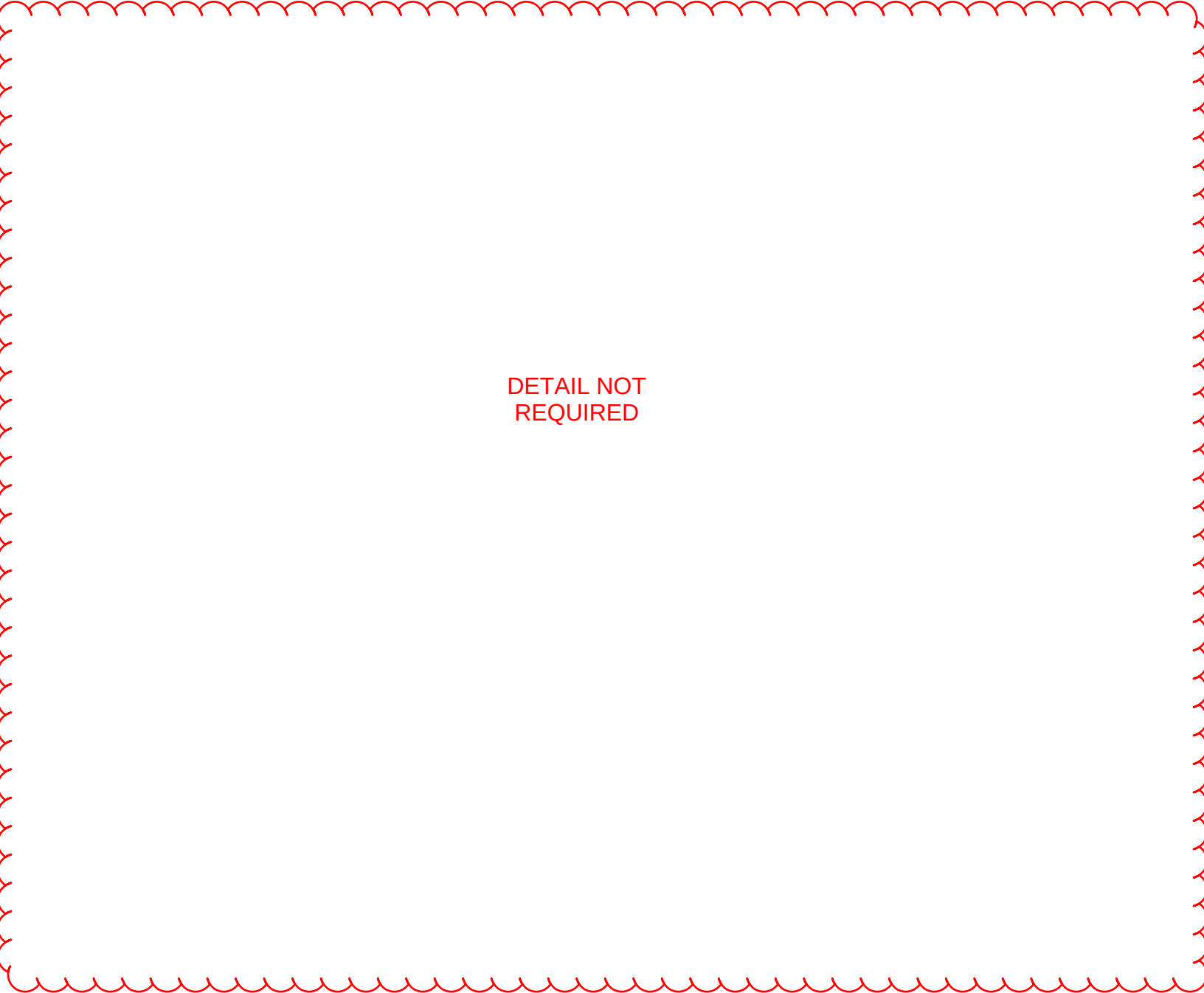
WS-3
CONCRETE BLOCKING FOR PRESSURE PIPE

SCALE:NTS



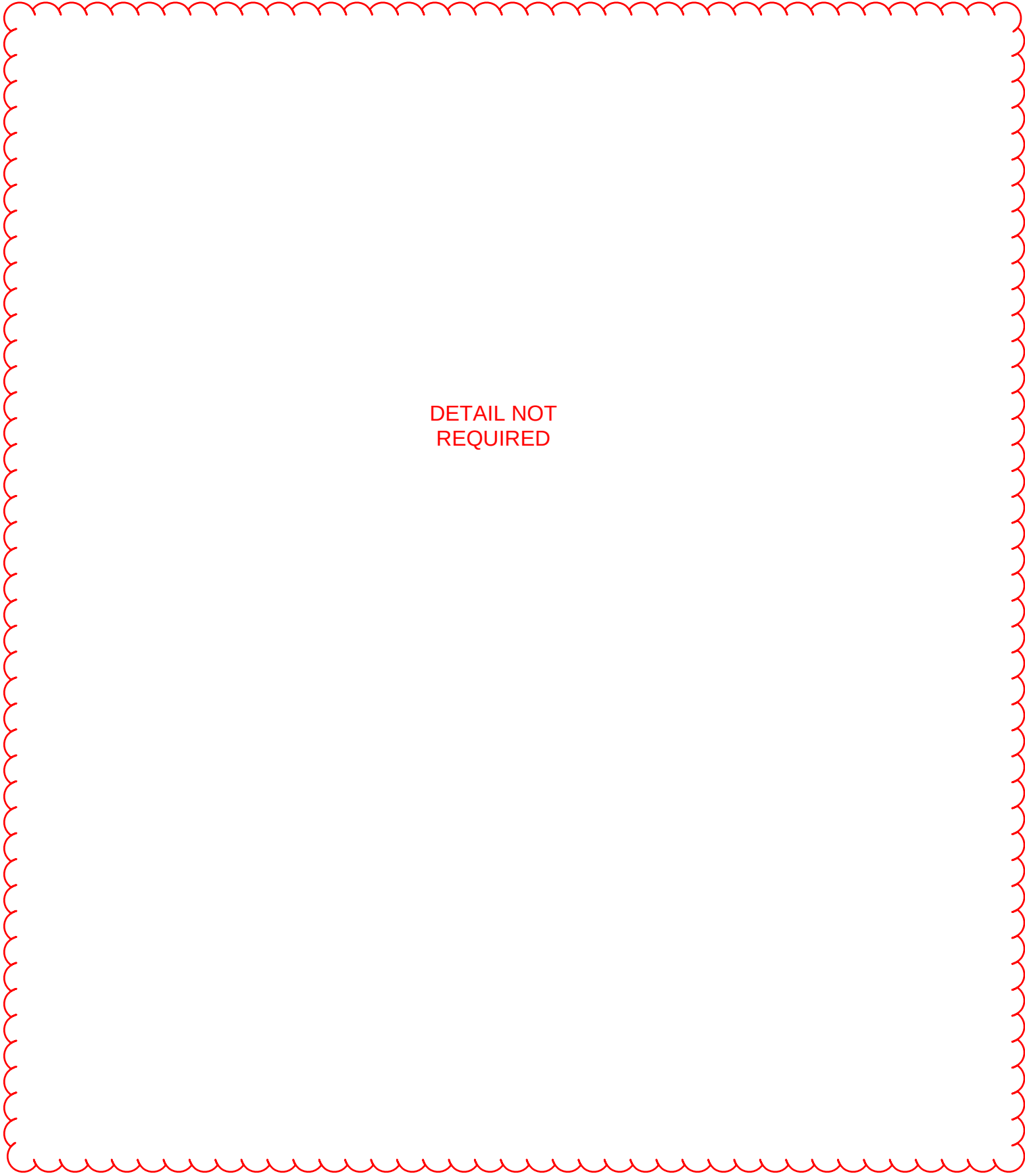
WS-CTT
CUT-IN TEE AND TAPPING TEE

SCALE:NTS



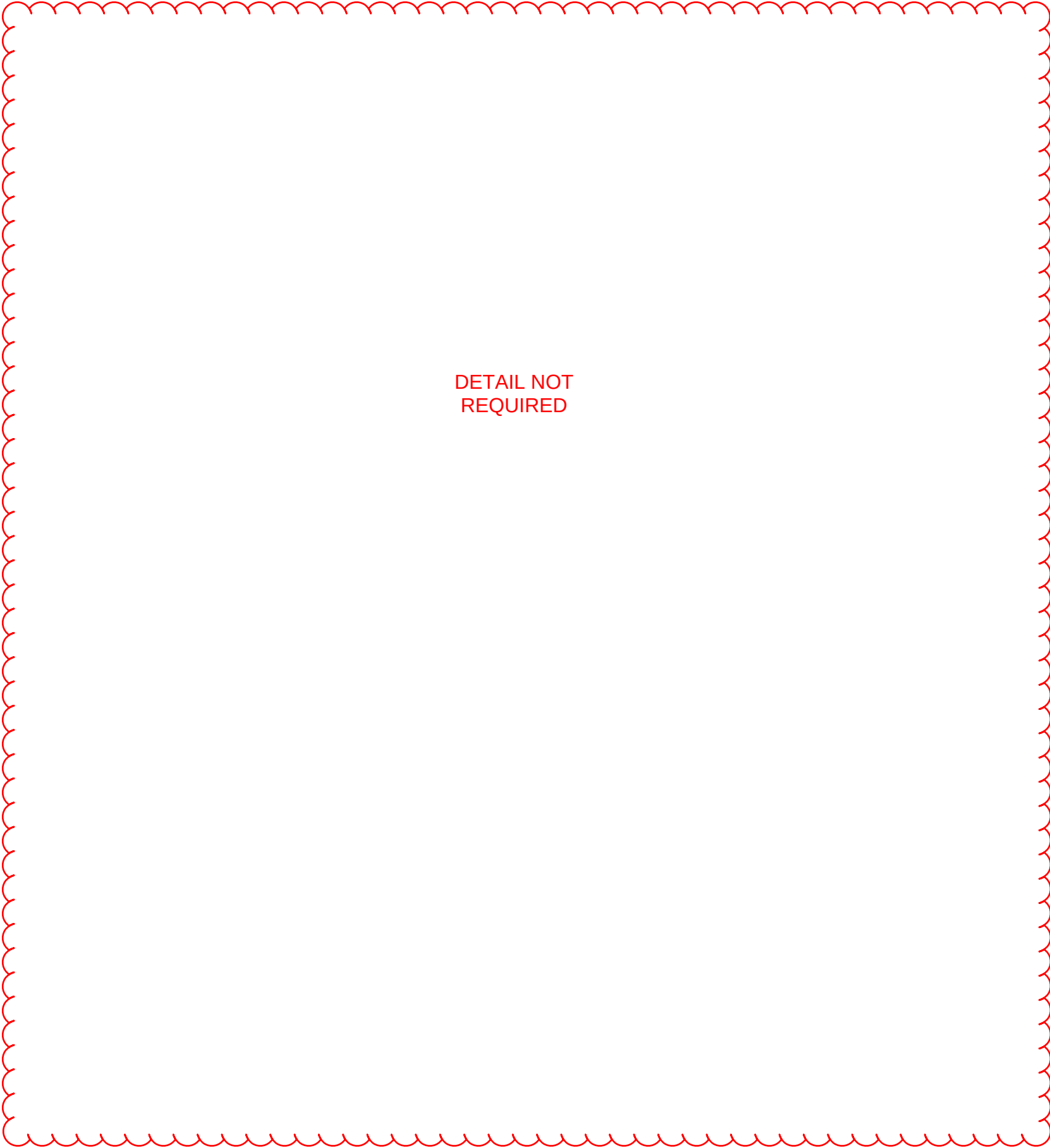
WS-B
TRENCH REQUIREMENTS FOR 4" THROUGH
12" LIVE WATER TAP

SCALE:NTS



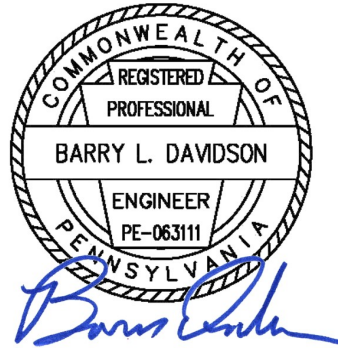
WS-ST5
TYPICAL WATER TAP SERVICE TERMINATION
FOR 2" AND SMALLER CONNECTION

SCALE:NTS



ST-5
SEPARATED HOUSE LATERAL
FOR 2" AND SMALLER CONNECTION

SCALE:NTS



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 representatives of the Architect. The Architect shall be 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 SJD	REVISED FOR ADDITIONAL CLARITY (6/26)
CHECKED BY BLD	
DATE ISSUED 04-10-2023	
DATE PRINTED 04-10-2023	

CONSTRUCTION DETAILS

HACP NVH - Family Recreational Area
525Mt Pleasant Road,
Pittsburgh, PA 15214

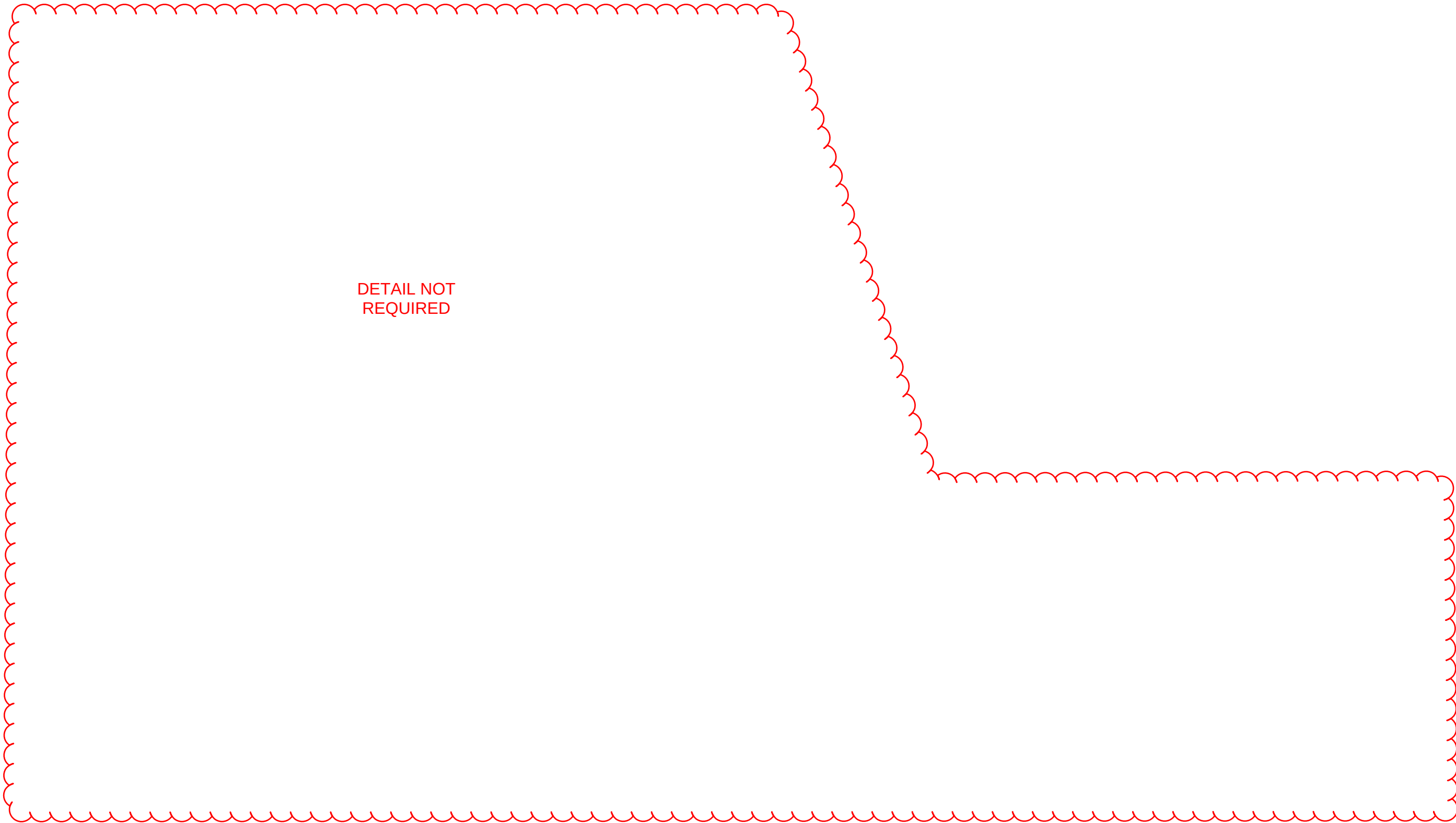
SHEET NUMBER:

C503



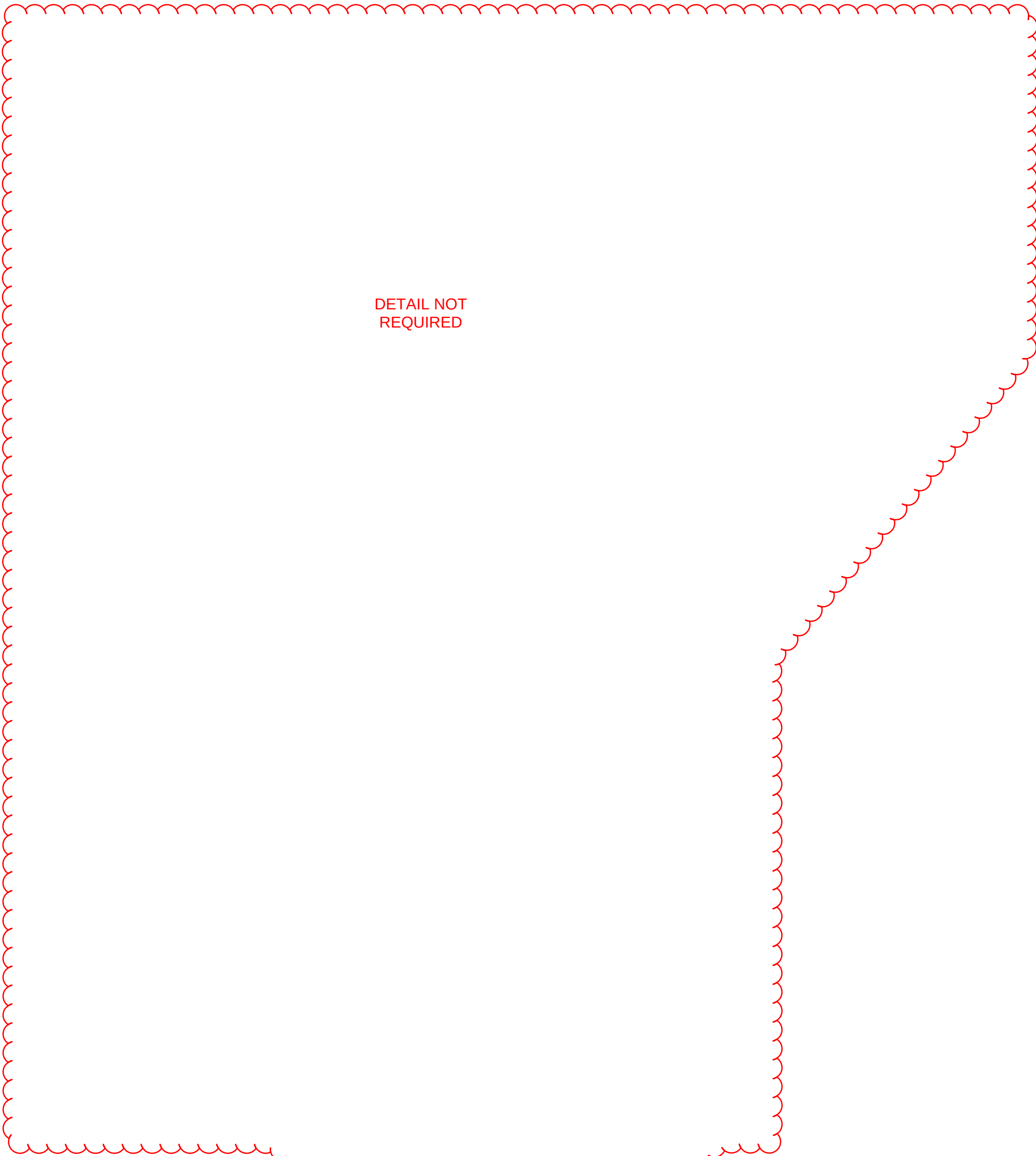
STL1
TERMINATION SEWER LATERAL

SCALE:NTS



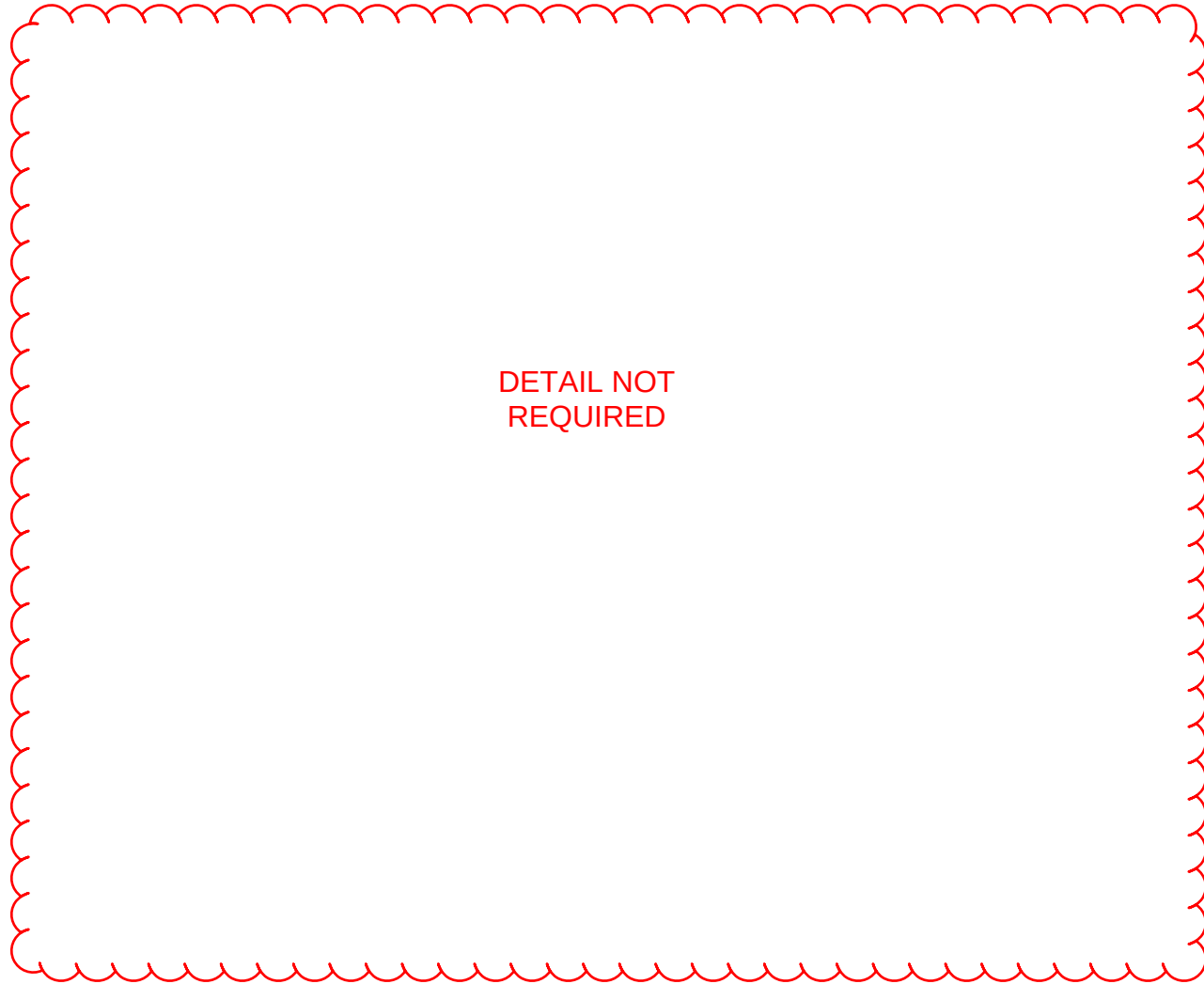
ST-7
CUT-IN WYE PIPE TRANSITION

SCALE:NTS



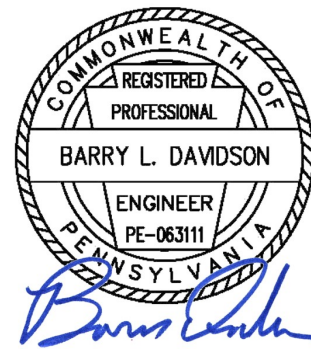
SA-1
SEWER LINE TRENCH AND REPAVING

SCALE:NTS



ST-5
SEPARATED HOUSE LATERAL
ONE CONNECTION TO MAIN

SCALE:NTS



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 officers of the Architect. The Architect shall not be 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	
REVISED FOR ADDITIONAL CLARITY (6/26)	

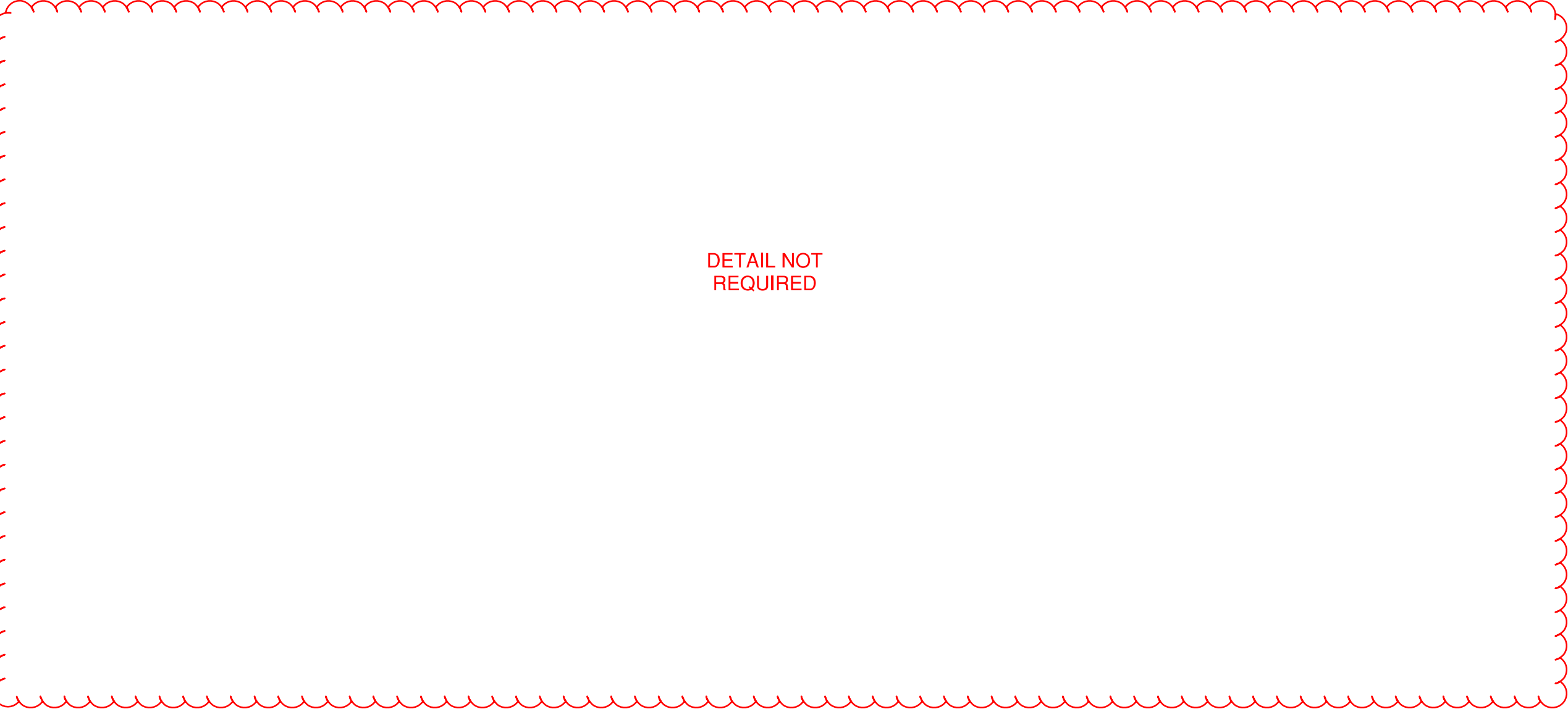
DRAWN BY SJD	CHECKED BY BLD	DATE ISSUED 04-10-2023	DATE PRINTED 04-10-2023
-----------------	-------------------	---------------------------	----------------------------

CONSTRUCTION DETAILS

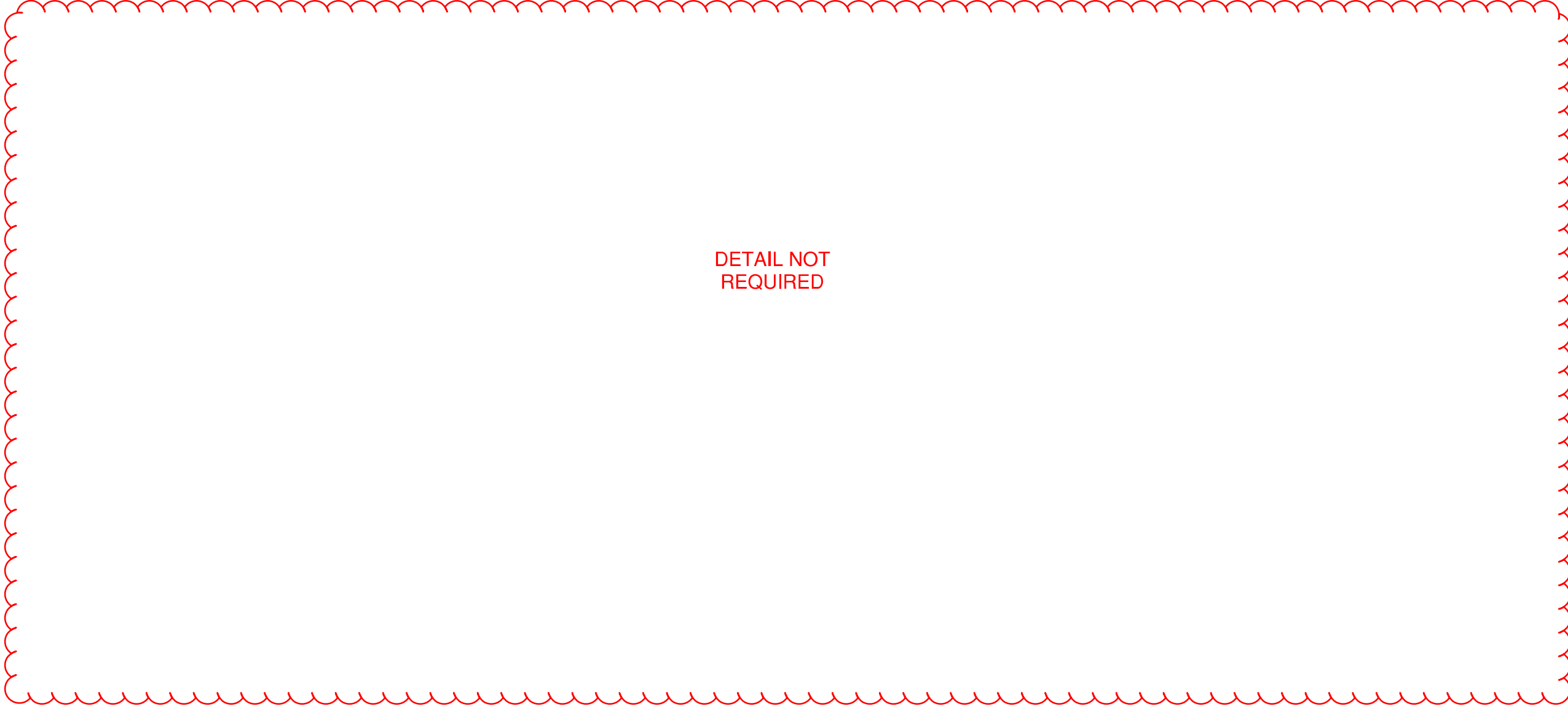
HACP NVH - Family Recreational Area
525Mt Pleasant Road,
Pittsburgh, PA 15214

SHEET NUMBER:

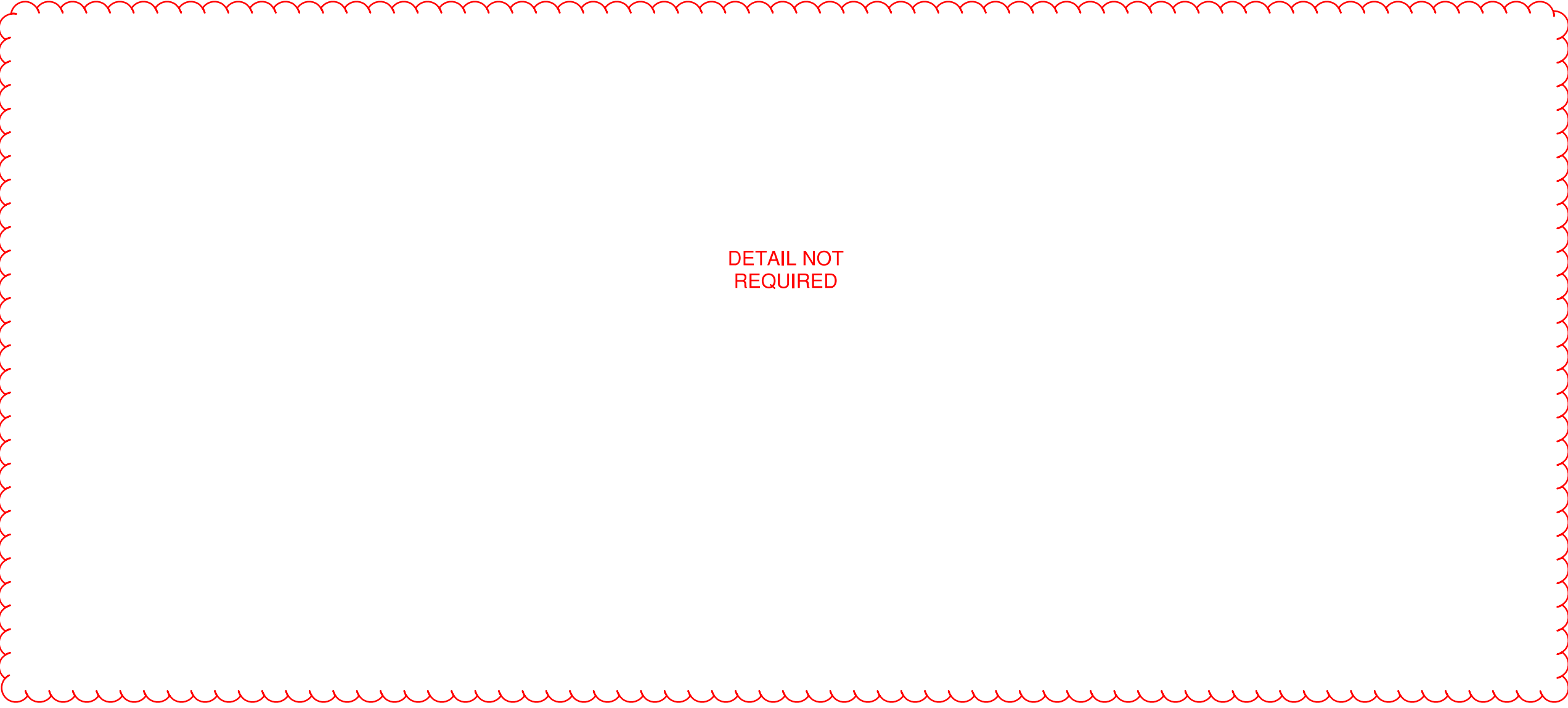
C505



DETAIL NOT
REQUIRED



DETAIL NOT
REQUIRED



DETAIL NOT
REQUIRED

ELECTRICAL TRENCH DETAILS

SCALE: NTS

SHEET NUMBER:

C506

CONSTRUCTION DETAILS

HACP NVH - Family Recreational Area
525Mt Pleasant Road,
Pittsburgh, PA 15214

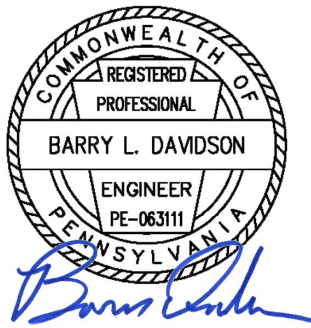
DRAWN BY SJD
CHECKED BY BLD
DATE ISSUED 04-10-2023
DATE PRINTED 04-10-2023

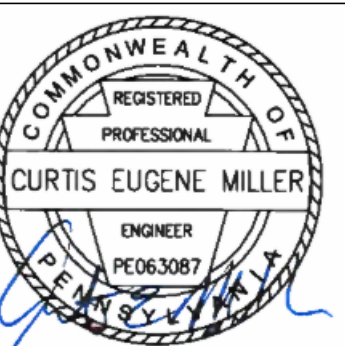
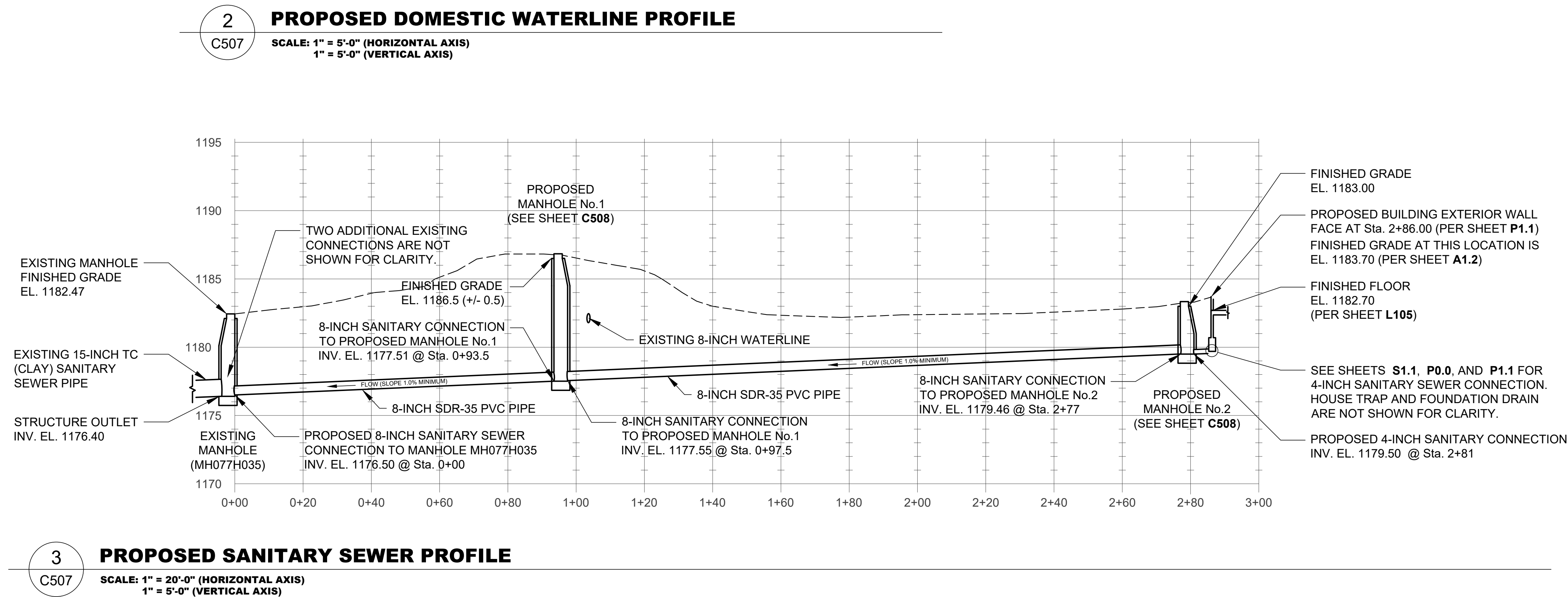
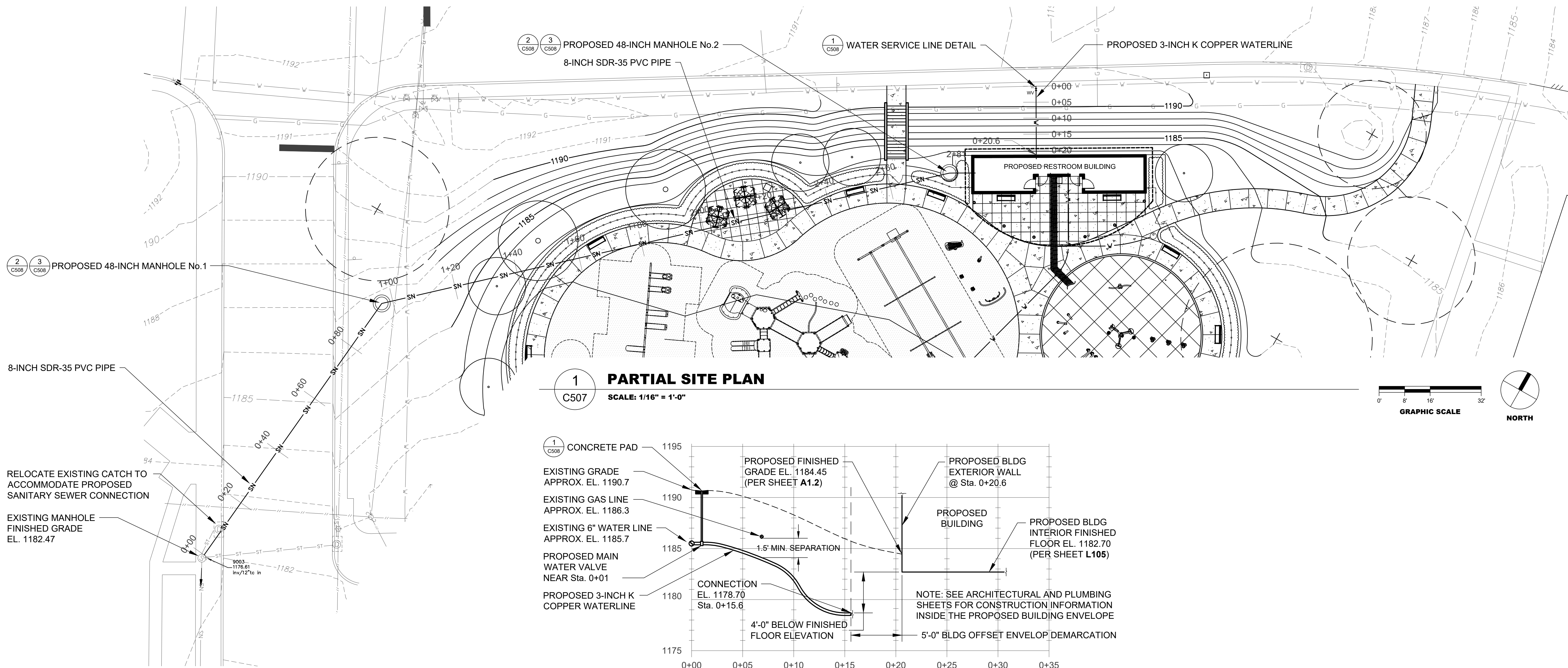
REVISIONS
REVISED FOR
ADDITIONAL
CLARITY (6/26)



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 officers of the Architect. The Architect shall not be 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.





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 parties. The Architect shall 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.

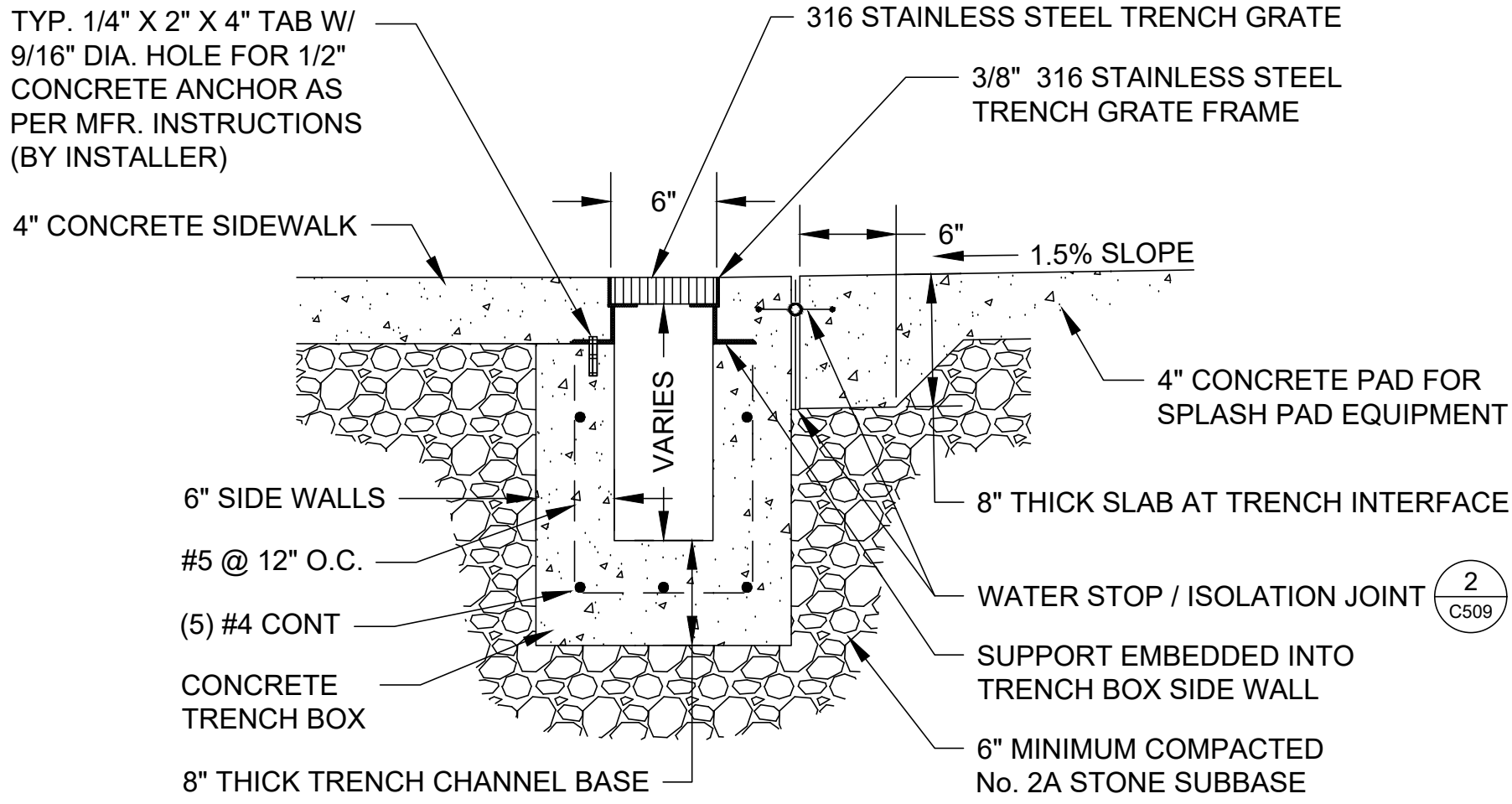
TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS			
DRAWN BY	CHECKED BY	DATE ISSUED	DATE PRINTED
BAS	CEM	07-31-2026	07-09-2026

PARTIAL SITE PLAN AND PROFILES
HACP NVH - Family Recreational Area
525Mt Pleasant Road,
Pittsburgh, PA 15214

SHEET NUMBER:

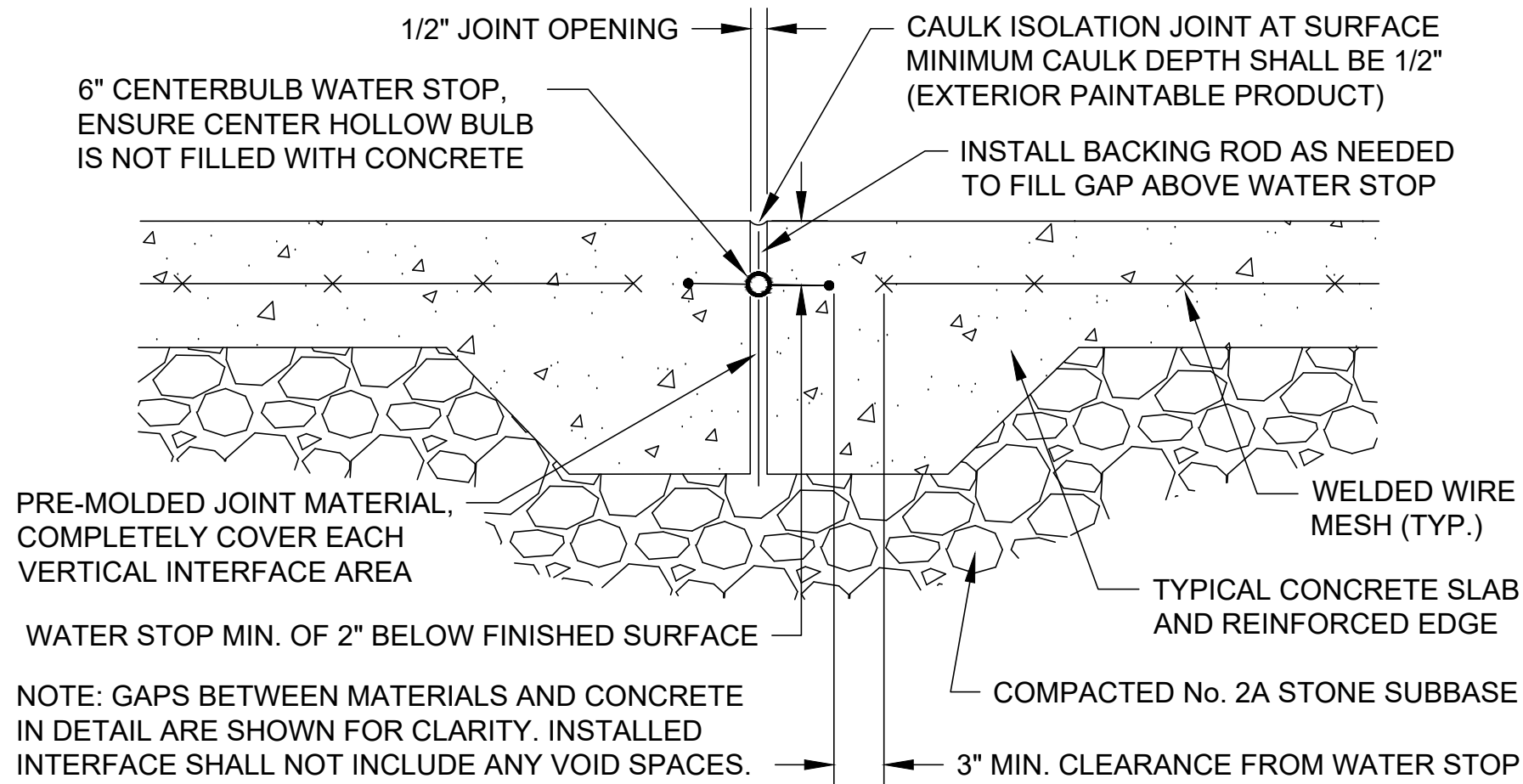
C507



1
C509

SPLASH PAD TRENCH DRAIN DETAIL

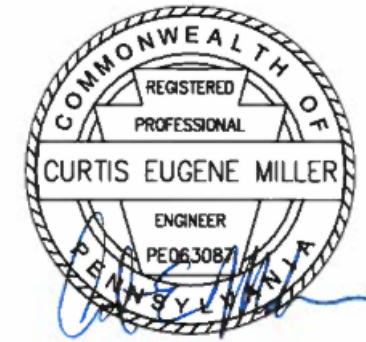
SCALE: N.T.S.



2
C509

WATER STOP / ISOLATION JOINT DETAIL

SCALE: N.T.S.



Drawings and Specifications, as instruments of service, are the property of the Architect. They are to be used only for the project and are not to be used on extensions of the project, or other projects, except by agreement in writing with appropriate officers of the Architect. The Architect is not 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

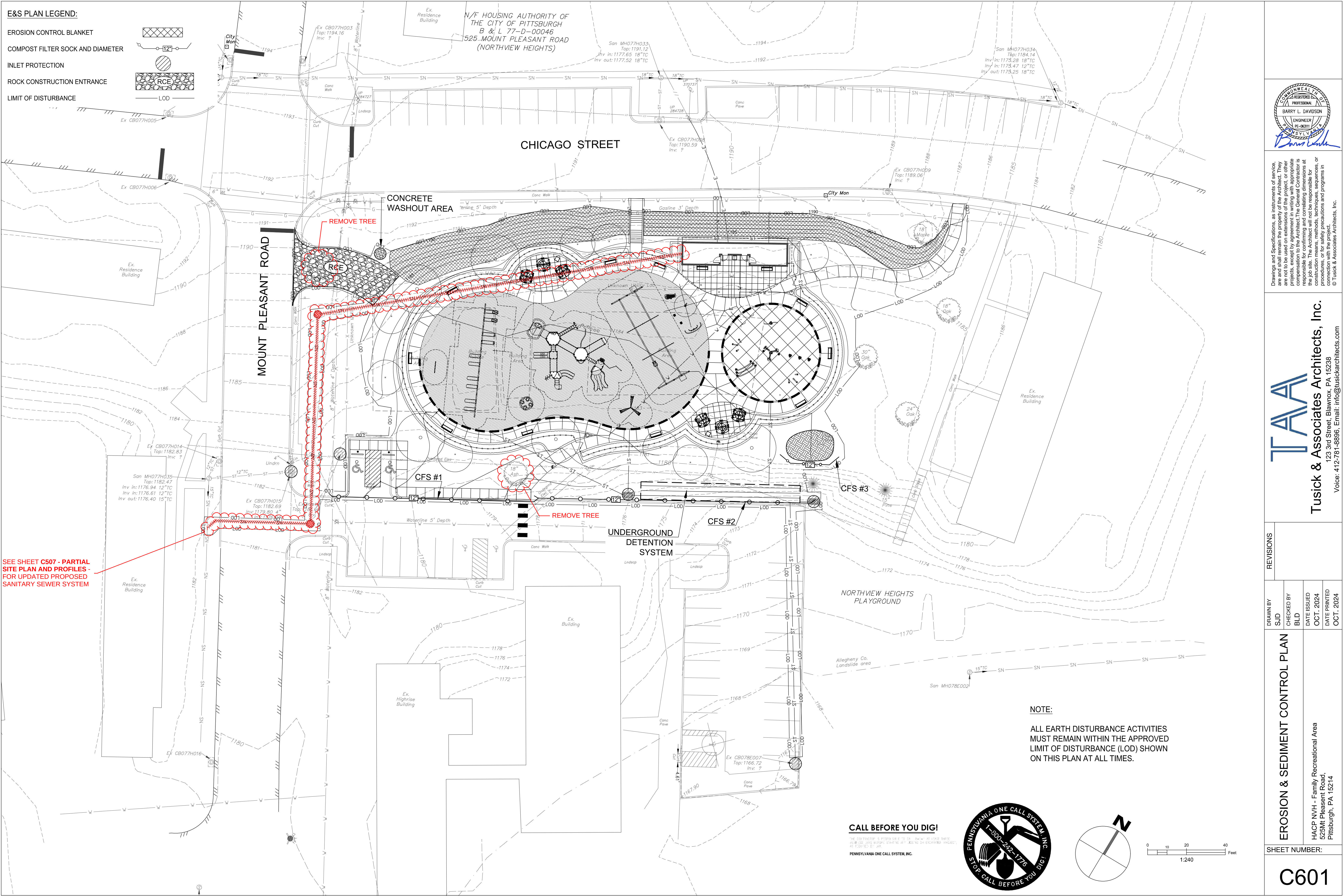
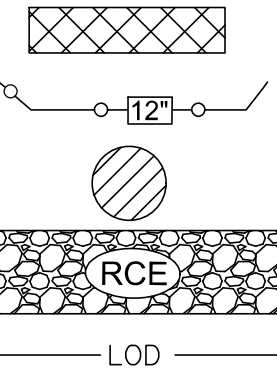
CONSTRUCTION DETAILS II	DRAWN BY		REVISIONS	
	MAS			
	CHECKED BY			
	CEM			
HACP NVH - Family Recreational Area 525Mt Pleasant Road, Pittsburgh, PA 15214	DATE ISSUED			
	07-31-2026			
	DATE PRINTED			
	07-09-2026			

SHEET NUMBER:

C509

E&S PLAN LEGEND:

- EROSION CONTROL BLANKET
- COMPOST FILTER SOCK AND DIAMETER
- INLET PROTECTION
- ROCK CONSTRUCTION ENTRANCE
- LIMIT OF DISTURBANCE

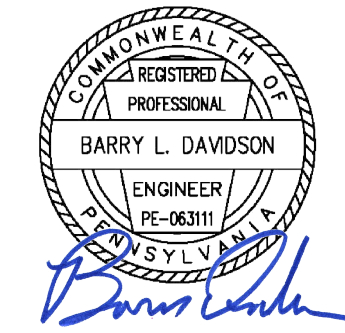
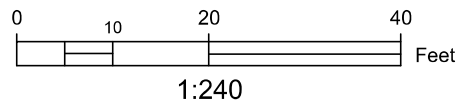
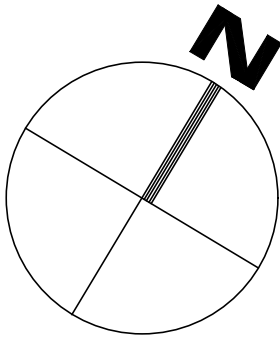


SEE SHEET C507 - PARTIAL SITE PLAN AND PROFILES - FOR UPDATED PROPOSED SANITARY SEWER SYSTEM

NOTE:
ALL EARTH DISTURBANCE ACTIVITIES MUST REMAIN WITHIN THE APPROVED LIMIT OF DISTURBANCE (LOD) SHOWN ON THIS PLAN AT ALL TIMES.

CALL BEFORE YOU DIG!

THE CONTAINER IS PROVIDED TO YOU BY AT LEAST THREE WEEKS BEFORE STARTING ANY EXCAVATION PROJECT. AS PROVIDED BY LAW.



Drawings and Specifications, as instruments of service, are and shall remain the property of the Architect. They are not to be used on any other project, or other projects, except by agreement in writing with appropriate parties. 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.

TAA
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	OCT. 2024
DATE PRINTED	OCT. 2024

EROSION & SEDIMENT CONTROL PLAN
HACP NVH - Family Recreational Area
525Mt Pleasant Road,
Pittsburgh, PA 15214

SHEET NUMBER:

C601

1. ALL EARTH DISTURBANCE ACTIVITIES, 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 MAP(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 ONTO CHICAGO STREET.
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, REGRADE, 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 SWEEPED 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

STAGING OF CONSTRUCTION ACTIVITIES:

SEQUENCE OF CONSTRUCTION:

-

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.

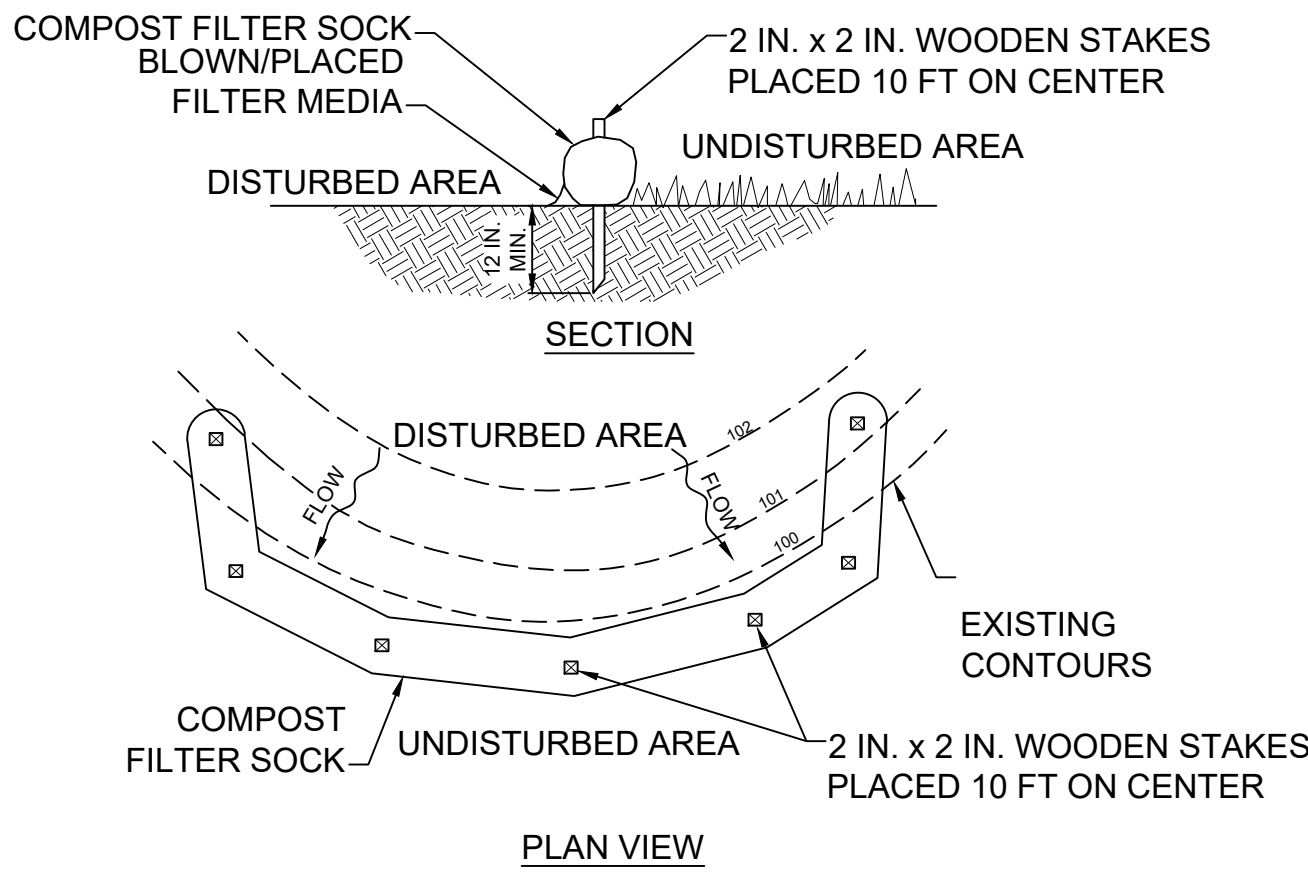
© Tjesselt & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238

EROSION & SEDIMENT CONTROL DETAILS		REVISIONS
HACP NVH - Family Recreational Area 525Mt Pleasant Road, Pittsburgh, PA 15214	DRAWN BY SJD	
	CHECKED BY BLD	
	DATE ISSUED OCT. 2024	
	DATE PRINTED OCT. 2024	

SHEET NUMBER

C602

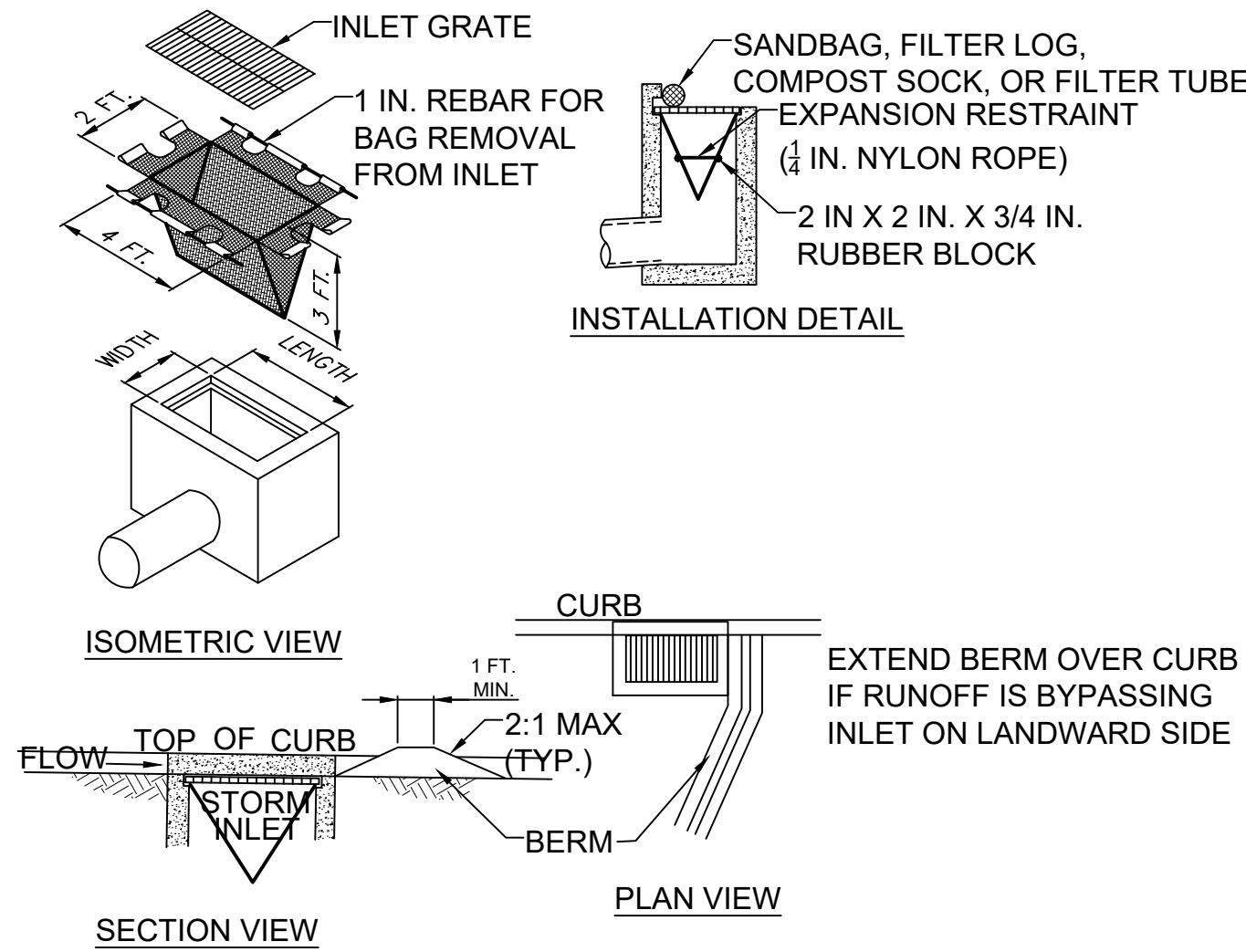


NOTES:

- 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.
- 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.
- TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS.
- 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.
- 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.
- 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

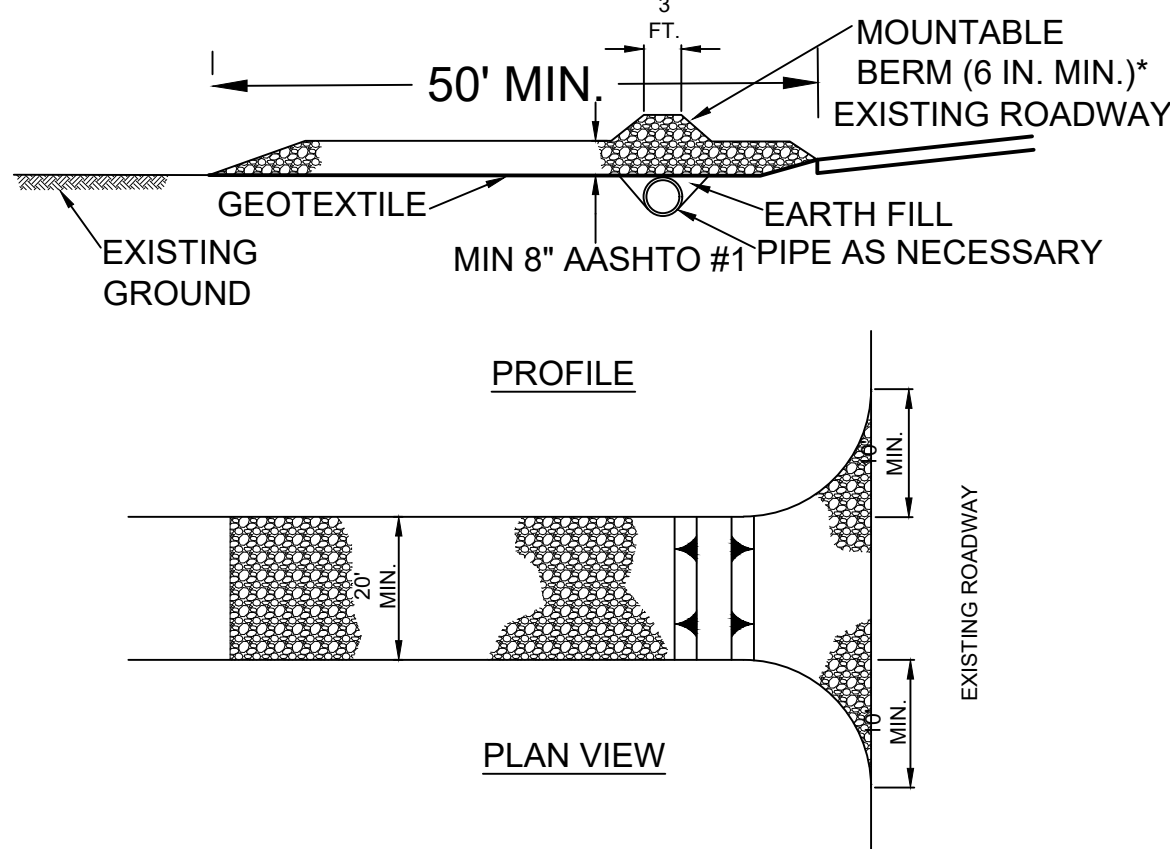


NOTES:

- MAXIMUM DRAINAGE AREA = 1/2 ACRE.
- 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.
- 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.
- 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.
- DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.

FILTER BAG INLET PROTECTION - TYPE C INLET

SCALE: NTS



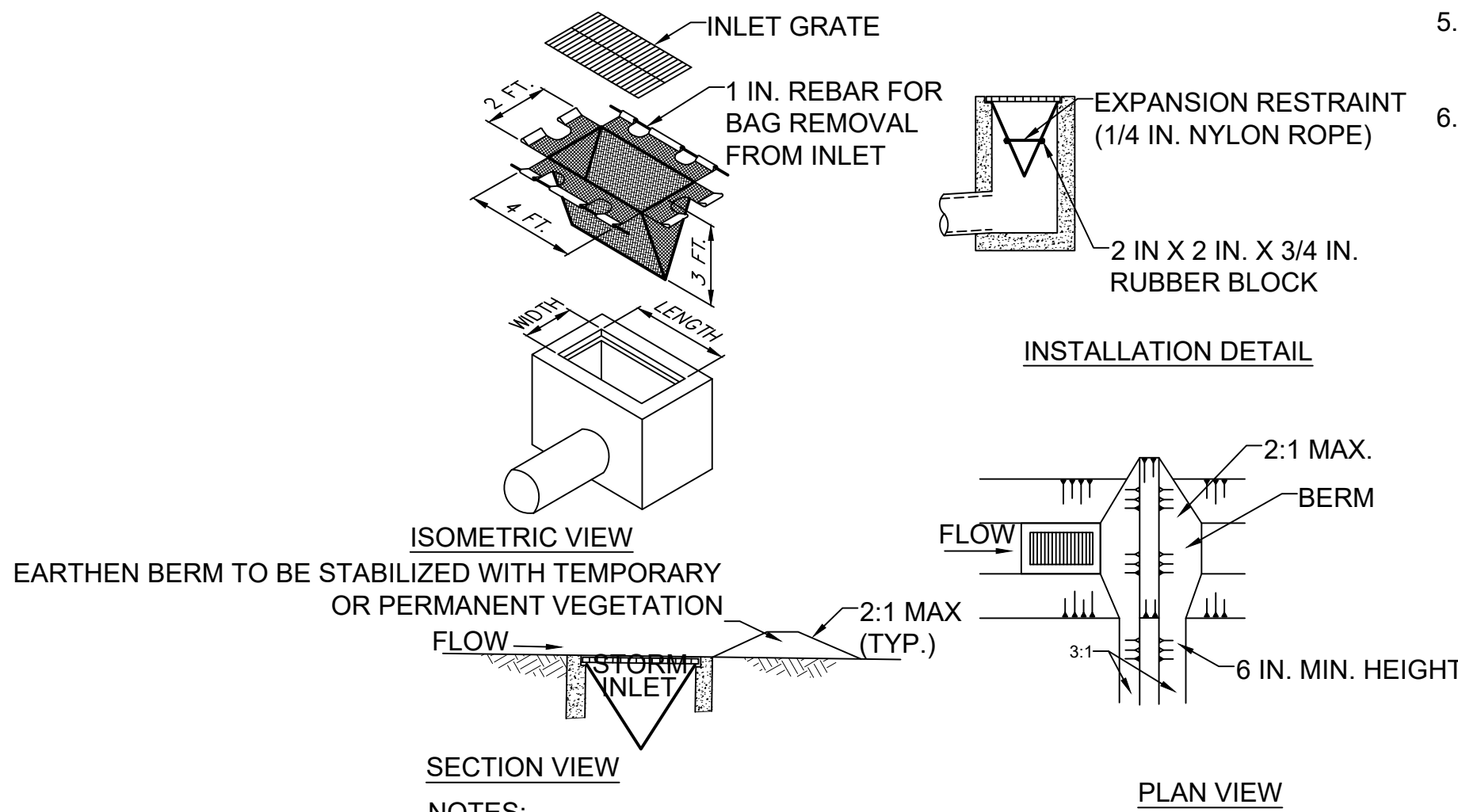
* MOUNTABLE BERM USED TO PROVIDE PROPER COVER FOR PIPE

NOTES:

- REMOVE TOPSOIL PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE. EXTEND ROCK OVER FULL WIDTH OF ENTRANCE.
- RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.
- 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.
- 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

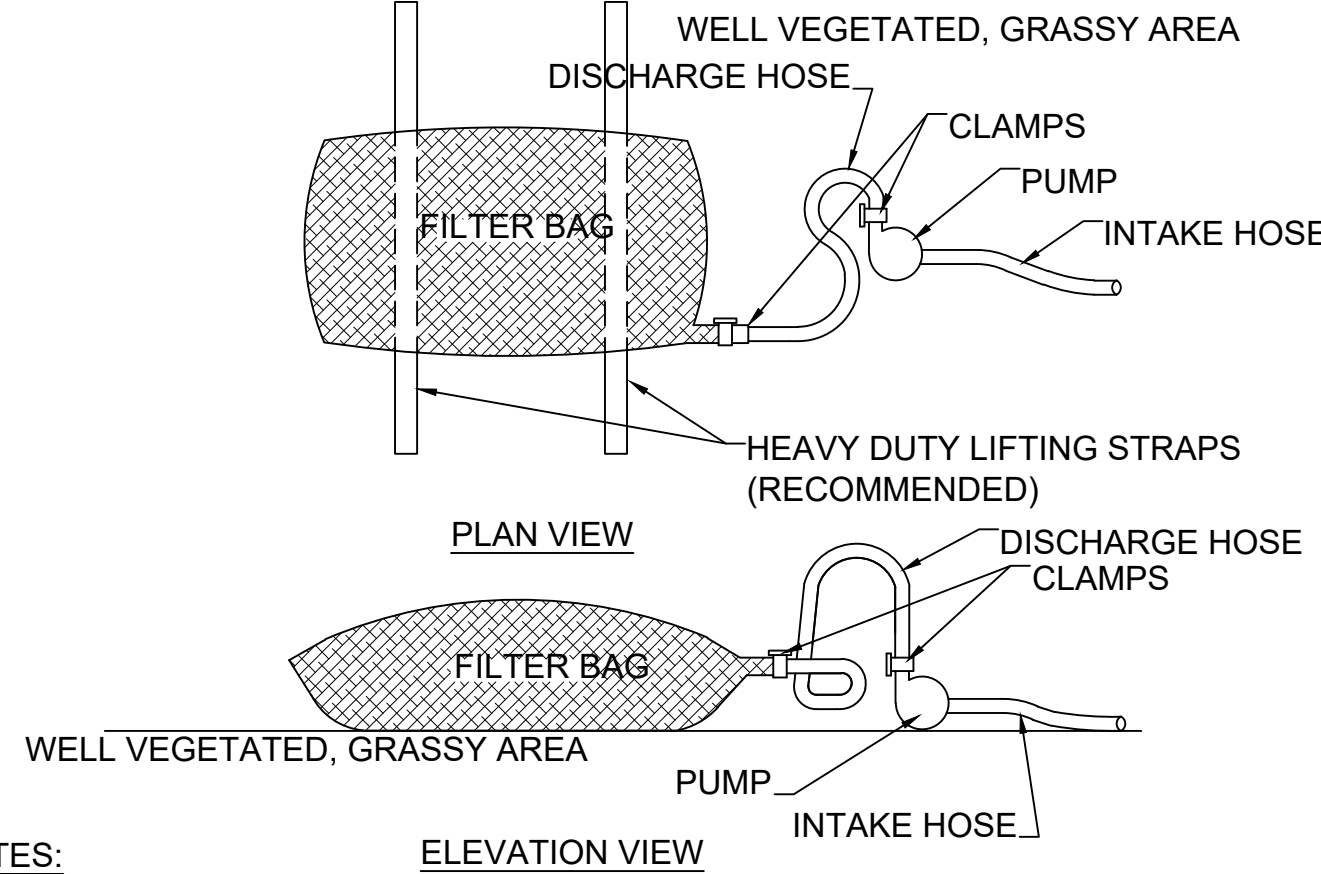


NOTES:

- MAXIMUM DRAINAGE AREA = 1/2 ACRE.
- 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.
- 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.
- 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.
- 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-4633	110 LB
MULLEN BURST	ASTM D-3786	350 PSI
UV RESISTANCE	ASTM D-4355	70%
AOS % RETAINED	ASTM D-4751	80 SIEVE

- 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.
- 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.
- 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.
- 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.
- 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.
- 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



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 written consent of the Architect. The Architect shall be 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	SJD
CHECKED BY	BLD
DATE ISSUED	OCT. 2024
DATE PRINTED	OCT. 2024

EROSION & SEDIMENT CONTROL DETAILS

HACP NVH - Family Recreational Area
525Mt Pleasant Road,
Pittsburgh, PA 15214

SHEET NUMBER:

C603

TEMPORARY SEEDING SPECIFICATIONS:

LIMESTONE	RAW, GROUND AGRICULTURAL LIMESTONE CONTAINING MORE THAN 90 PERCENT CALCIUM CARBONATES (ADJUST PH LEVELS TO 6.5 TO 7.0). APPLY AT A RATE OF 410 LBS / 1000 S.Y., UNLESS OTHERWISE INDICATED BY SOIL TESTS.		
COMMERCIAL FERTILIZER	IN ABSENCE OF A SOIL TEST, USE 100 LBS / 1000 S.Y. OF 10-10-10 MIXED INTO SEED BED PRIOR TO SEEDING, OR IN A TANK WITH SEED WHEN HYDROSEEDING.		
MULCH	CLEAN OAT OR WHEAT STRAW SHALL BE FREE FROM MATURE SEED-BEARING STALKS OR ROOTS OF PROHIBITED OR NOXIOUS WEEDS AS DEFINED BY THE PENNSYLVANIA SEED ACT 1947. APPLY AT A RATE OF 3 TONS/AC (139 LBS/1000 SF). PRECAUTION SHALL BE TAKEN TO STABILIZE THE MULCH UNTIL THE VEGETATIVE COVER IS ESTABLISHED.		
SEED MIXTURE	SEED MIXTURE SHALL BEAR A GUARANTEED STATEMENT OF ANALYSIS AND SHALL BE COMPOSED OF THE FOLLOWING VARIETIES AND MIXED IN THE PROPORTIONS SPECIFIED.		
TEMPORARY SEED MIXTURE	PROPORTION BY WEIGHT	MINIMUM PURITY	MINIMUM GERMINATION
ANNUAL RYEGRASS	100%	98%	90%
THREE (3) PERCENT REDTOP MAY BE ADDED TO THE LAWN MIXTURE ON SLOPE AREAS OR FOR LATE SPRING OR LATE FALL SEEDING.			
SEEDING RATE	TEMPORARY SEEDING SHALL BE APPLIED AT THE RATE OF TEN (10) POUNDS PER ONE THOUSAND (1,000) SQUARE YARDS.		
NOTES	ALL AREAS TO BE SEEDED SHALL BE LOOSENED TO A DEPTH OF AT LEAST TWO INCHES BY MECHANICAL MEANS, OR AS APPROVED BY THE LANDSCAPE ARCHITECT.		
	MULCH SEEDED AREAS IMMEDIATELY AFTER SEEDING.		
	SEED ALL DISTURBED AREAS WITH THE TEMPORARY SEED MIXTURE EXCEPT THOSE AREAS SHOWN TO BE SEEDED WITH STEEP SLOPE MIXTURE, UNLESS OTHERWISE NOTED ON THE DRAWINGS.		
	HYDROSEEDING WITH TACIFIER MAY BE USED IN LIEU OF MULCH.		

PERMANENT SEEDING SPECIFICATIONS:

TOPSOIL	4" MIN. TOPSOIL SHALL BE REQUIRED ON ALL DISTURBED AREAS AFTER SITE HAS BEEN RECLAIMED/RESTORED.		
LIMESTONE	RAW, GROUND AGRICULTURAL LIMESTONE CONTAINING MORE THAN 90 PERCENT CALCIUM CARBONATES (ADJUST PH LEVELS TO 6.5 TO 7.0). APPLY AT A RATE OF 2,480 LBS / 1000 S.Y., UNLESS OTHERWISE INDICATED BY SOIL TESTS.		
COMMERCIAL FERTILIZER	IN ABSENCE OF A SOIL TEST, USE 210 LBS / 1000 S.Y. OF 10-10-20 MIXED INTO SEED BED PRIOR TO SEEDING, OR IN A TANK WITH SEED WHEN HYDROSEEDING.		
INOCULANT	INOCULANT FOR TREATING LEGUMINOUS SEEDS SHALL BE A STANDARD COMMERCIAL PRODUCT CONSISTING OF A SUITABLE CARRIER CONTAINING A CULTURE OF NITROGEN FIXING BACTERIA SPECIFIC FOR SEEDS TO BE INOCULATED. INOCULANT SHALL NOT BE USED LATER THAN DATE INDICATED ON THE CONTAINER.		
MULCH	CLEAN OAT OR WHEAT STRAW SHALL BE FREE FROM MATURE SEED-BEARING STALKS OR ROOTS OF PROHIBITED OR NOXIOUS WEEDS AS DEFINED BY THE PENNSYLVANIA SEED ACT 1947. APPLY AT A RATE OF 3 TONS/AC (139 LBS/1000 SF). PRECAUTION SHALL BE TAKEN TO STABILIZE THE MULCH UNTIL THE VEGETATIVE COVER IS ESTABLISHED.		
SEED MIXTURE	SEED MIXTURE SHALL BEAR A GUARANTEED STATEMENT OF ANALYSIS AND SHALL BE COMPOSED OF THE FOLLOWING VARIETIES AND MIXED IN THE PROPORTIONS SPECIFIED.		
PERMANENT SEEDING MIXTURE (PENNDOT FORMULA 'B')	PROPORTION BY WEIGHT	MINIMUM PURITY	MINIMUM GERMINATION
PERENNIAL RYEGRASS MIXTURE (LOLIUM PERENNE) - A COMBINATION OF IMPROVED CERTIFIED VARIETIES WITH NO ONE VARIETY EXCEEDING 50% OF THE TOTAL RYEGRASS COMPONENT.	20%	98%	90%
CREEPING RED FESCUE OR CHEWINGS FESCUE	30%	98%	85%
KENTUCKY BLUEGRASS MIXTURE (POA PRATENSIS) - A COMBINATION OF IMPROVED CERTIFIED VARIETIES WITH NO ONE VARIETY EXCEEDING 25% OF THE TOTAL BLUEGRASS COMPONENT.	50%	98%	80%
SEEDING RATE	PERMANENT SEEDING SHALL BE APPLIED AT A RATE OF 21 POUNDS PER 1,000 SQUARE FEET.		
PREPARATION OF SEEDING	HYDROSEEDING WITH TACIFIER MAY BE USED IN LIEU OF MULCH.		
	GRADE AS NECESSARY TO BRING SUBGRADE TO A TRUE, SMOOTH SLOPE PARALLEL TO AND SIX INCHES BELOW FINISHED GRADE. PLACE TOPSOIL OVER SPECIFIED AREAS TO A DEPTH SUFFICIENTLY GREATER THAN SIX (6) OR EIGHT (8) INCHES SO THAT AFTER SETTLEMENT AND LIGHT ROLLING, THE COMPLETE WORK WILL CONFORM TO LINES, GRADES AND ELEVATIONS SHOWN.		
	FERTILIZER AND AGRICULTURAL LIMESTONE SHALL BE THOROUGHLY INCORPORATED INTO THE SOIL BY ROTOTILLING OR OTHER METHOD TO A MINIMUM DEPTH OF FOUR (4) INCHES. THE ENTIRE SURFACE SHALL THEN BE REGRADED AND ROLLED. AREAS TO BE SEEDED SHALL THEN BE LOOSENED TO A DEPTH OF TWO (2) INCHES. SEEDING SHALL BE DONE IN TWO SEPARATE OPERATIONS. THE SECOND SEEDING SHALL BE DONE IMMEDIATELY AFTER THE FIRST AND AT RIGHT ANGLES TO THE FIRST SEEDING AND LIGHTLY RAKED INTO THE SOIL. MULCH SEEDED AREAS IMMEDIATELY AFTER SEEDING.		

GRADE AS NECESSARY TO BRING SUBGRADE TO A TRUE, SMOOTH SLOPE PARALLEL TO AND SIX INCHES BELOW FINISHED GRADE. PLACE TOPSOIL OVER SPECIFIED AREAS TO A DEPTH SUFFICIENTLY GREATER THAN SIX (6) OR EIGHT (8) INCHES SO THAT AFTER SETTLEMENT AND LIGHT ROLLING, THE COMPLETE WORK WILL CONFORM TO LINES, GRADES AND ELEVATIONS SHOWN.

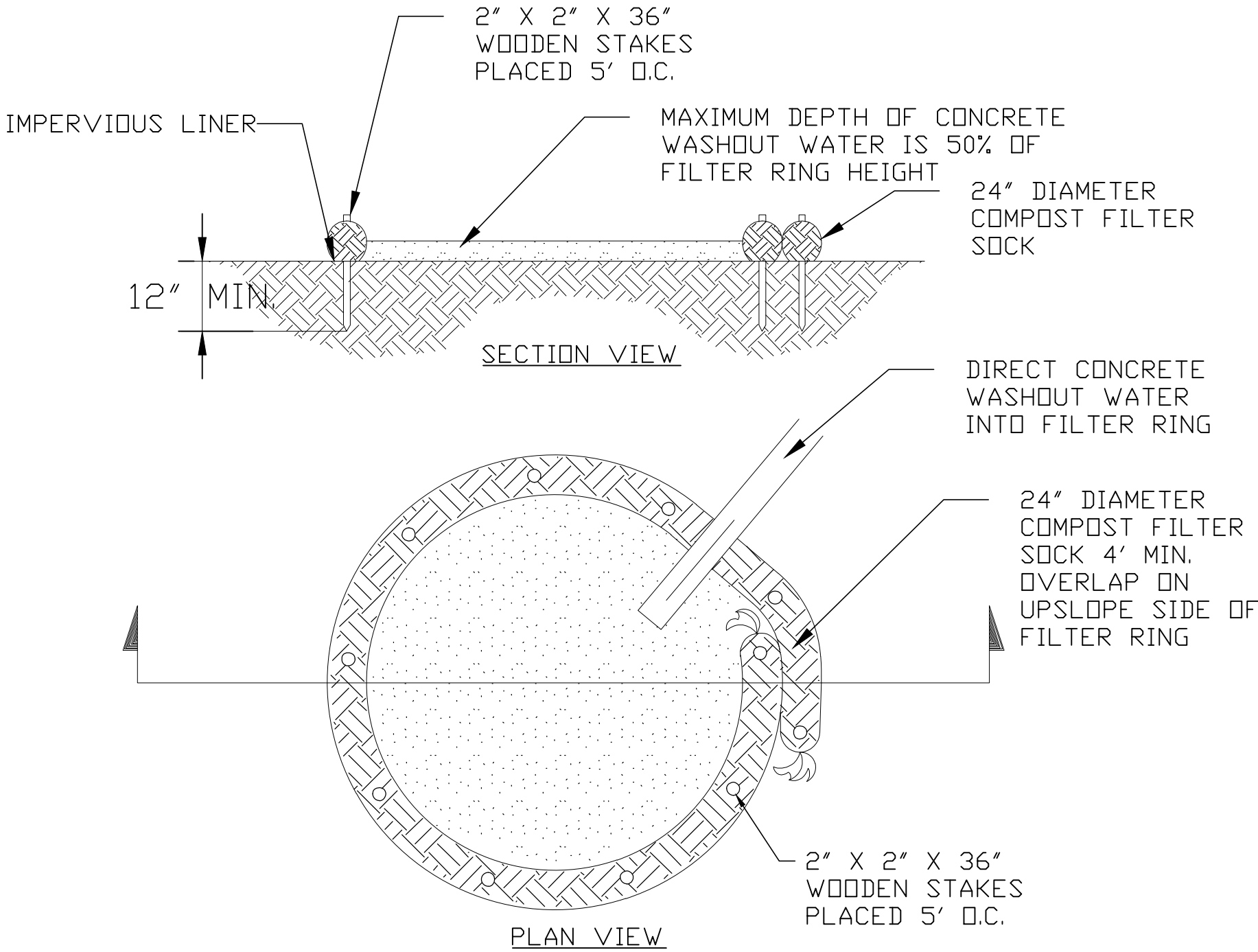
FERTILIZER AND AGRICULTURAL LIMESTONE SHALL BE THOROUGHLY INCORPORATED INTO THE SOIL BY ROTOTILLING OR OTHER METHOD TO A MINIMUM DEPTH OF FOUR (4) INCHES. THE ENTIRE SURFACE SHALL THEN BE REGRADED AND ROLLED. AREAS TO BE SEEDED SHALL THEN BE LOOSENED TO A DEPTH OF TWO (2) INCHES. SEEDING SHALL BE DONE IN TWO SEPARATE OPERATIONS. THE SECOND SEEDING SHALL BE DONE IMMEDIATELY AFTER THE FIRST AND AT RIGHT ANGLES TO THE FIRST SEEDING AND LIGHTLY RAKED INTO THE SOIL. MULCH SEEDED AREAS IMMEDIATELY AFTER SEEDING.

SEEDING DATES: AUGUST 15 TO OCTOBER 1 OR APRIL 15 TO JUNE 30

TABLE 11.2 SOIL AMENDMENT APPLICATION RATE EQUIVALENTS				
SOIL AMENDMENT	PERMANENT SEEDING APPLICATION RATE			NOTES
	PER ACRE	PER 1,000 SQ. FT.	PER 1,000 SQ. YD.	
AGRICULTURAL LIME	6 TONS	240 LB.	2,480 LB.	OR AS PER SOIL TEST; MAY NOT BE REQUIRED IN AGRICULTURAL FIELDS
10-20-20 FERTILIZER	1,000 LB.	25 LB.	210 LB.	OR AS PER SOIL TEST; MAY NOT BE REQUIRED IN AGRICULTURAL FIELDS
TEMPORARY SEEDING APPLICATION RATE				
AGRICULTURAL LIME	1 TON	40 LB.	410 LB.	TYPICALLY NOT REQUIRED FOR TOPSOIL STOCKPILES
10-10-10 FERTILIZER	500 LB.	12.5 LB.	100 LB.	TYPICALLY NOT REQUIRED FOR TOPSOIL STOCKPILES

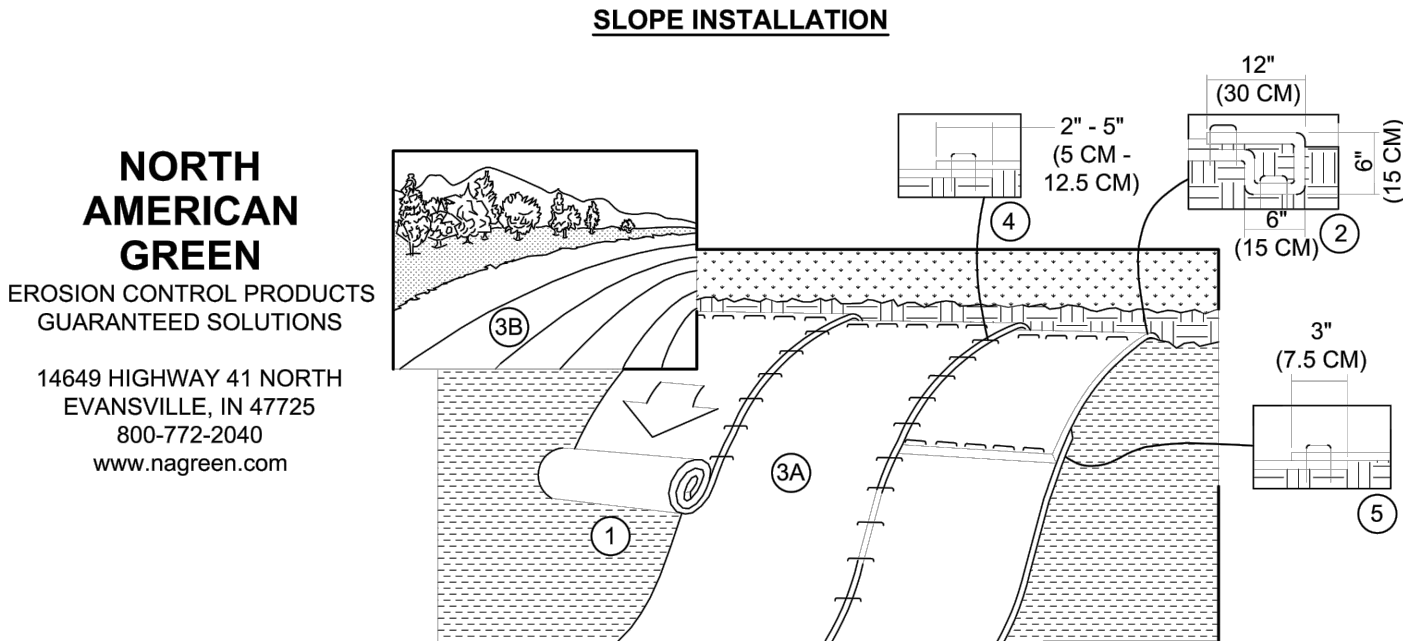
RECYCLING / DISPOSAL OF WASTES

- UPON COMPLETION OF THE PROJECT, RECYCLING OR DISPOSAL OF ALL TEMPORARY EROSION CONTROL MATERIALS SHALL BE THE RESPONSIBILITY OF THE EARTHMOVING CONTRACTOR
- CONSTRUCTION WASTE INCLUDES, BUT IS NOT LIMITED TO, EXCESS SOIL MATERIALS, SILT REMOVED FROM EROSION CONTROL FACILITIES, EXCESS BUILDING MATERIALS, CONCRETE WASH WATER, SANITARY WASTES, AND OBSOLETE EROSION CONTROL MATERIALS (SILT FENCE, SILT SACKS, ETC.). OBSOLETE EROSION CONTROL MATERIALS AND EXCESS BUILDING MATERIALS MUST BE DISPOSED OF AT A DEP APPROVED SITE.
- SILT REMOVED FROM SEDIMENT CONTROL FACILITIES SHALL BE SPREAD ON THE TOPSOIL STOCKPILE, OR IN LAWN OR LANDSCAPE AREAS.
- OBSOLETE EROSION CONTROL MATERIALS AND EXCESS BUILDING MATERIALS MUST BE DISPOSED OF AT A DEP APPROVED SITE.
- THERE WERE NO KNOWN NATURALLY OCCURRING GEOLOGIC FORMATIONS OR SOIL CONDITIONS LOCATED ON THE SITE THAT HAVE THE POTENTIAL TO CAUSE POLLUTION DURING CONSTRUCTION. IF SUCH CONDITIONS ARE ENCOUNTERED, STOP WORK AND CONTACT THE GEOGRAPHICAL ENGINEER AND/OR DEP.
- GEOLOGICAL ROCK FORMATIONS OR SOIL CONDITIONS THAT ARE IDENTIFIED BY THE GEOTECHNICAL ENGINEER ON SITE AS HAVE THE POTENTIAL TO DEGRADE WATER QUALITY WILL BE ISOLATED IN PLACE OR WILL BE RELOCATED ONSITE FOLLOWED BY APPROPRIATE CAPPING WITH AN IMPERVIOUS SURFACE SUCH AS PAVEMENT OR A BUILDING, OR WILL BE EXCAVATED AND REMOVED TO AN OFF-SITE DISPOSAL AREA APPROVED TO HANDLE HAZARDOUS WASTE. DEPENDING ON THE LEVEL OF CONTAMINATION, BLENDING OF SOIL MAY ACHIEVE ACCEPTABLE STANDARDS.



CONCRETE WASHOUT FACILITY

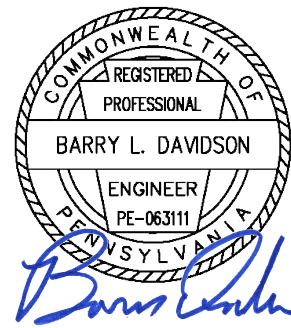
SCALE: NTS



- CONTRACTOR SHALL USE **SC150 LINING BY NA GREEN** OR AN APPROVED EQUAL ON ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1).
- PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECPS), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER AND SEED.
NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
- BEGIN AT THE TOP OF THE SLOPE BY ANCHORING RECPS IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH WITH APPROXIMATELY 12" (30 CM) OF RECPS EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECPS WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF RECPS BACK OVER SEED AND COMPACTED SOIL. SECURE RECPS OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART ACROSS THE WIDTH OF THE RECPS.
- ROLL THE RECPS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. RECPS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECPS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
- THE EDGES OF PARALLEL RECPS MUST BE STAPLED WITH APPROXIMATELY 2" - 5" (5 CM - 12.5 CM) OVERLAP DEPENDING ON THE RECPS TYPE.
- CONSECUTIVE RECPS SPLICED DOWN THE SLOPE MUST BE SECURELY FASTENED TO SOIL SURFACE WITH AN APPROXIMATE 3" (7.5 CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30 CM) APART ACROSS ENTIRE RECPS WIDTH.
NOTE: IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM) MAY BE NECESSARY TO PROPERLY SECURE THE RECPS.

EROSION CONTROL BLANKET

SCALE: NTS

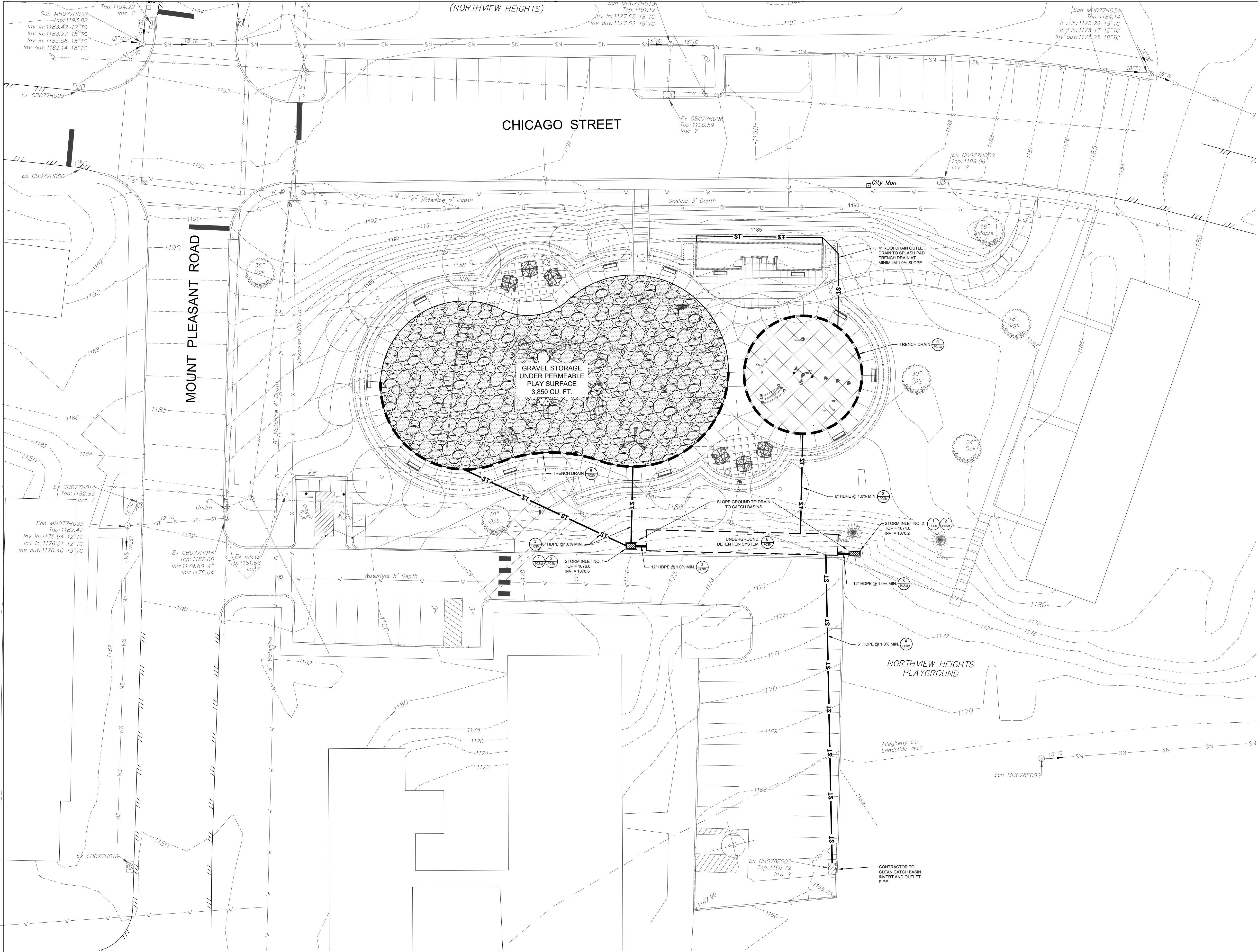


Drawings and Specifications, as instruments of service, are and shall remain the property of the Architect. They are not to be used on extensions of the project, or other projects, except by agreement in writing with appropriate officers of the Architect. The Architect shall not be responsible for confirming 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

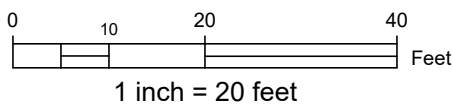
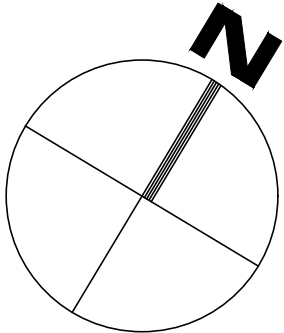
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

EROSION & SEDIMENT CONTROL DETAILS		DRAWN BY SJD		REVISIONS	
HACP NVH - Family Recreational Area 525Mt Pleasant Road, Pittsburgh, PA 15214		CHECKED BY BLD		DATE ISSUED OCT. 2024	
				DATE PRINTED OCT. 2024	
SHEET NUMBER:					
C604					

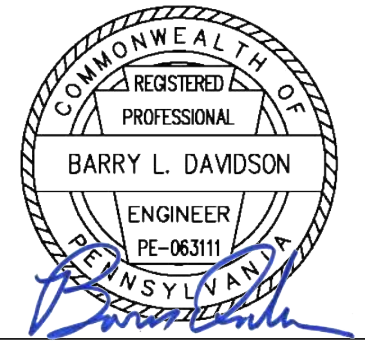


CALL BEFORE YOU DIG!

1. CALL 800-485-4848 OR VISIT WWW.CALLBEFOREYODIG.COM
2. BUSINESS DAYS BEFORE SHIRING AND DIGGING OR EXCAVATION PROJECT.
PENNSYLVANIA ONE CALL SYSTEM, INC.



700 River Ave, Suite 100,
Pittsburgh, PA 15212
(P): 412.321.3951



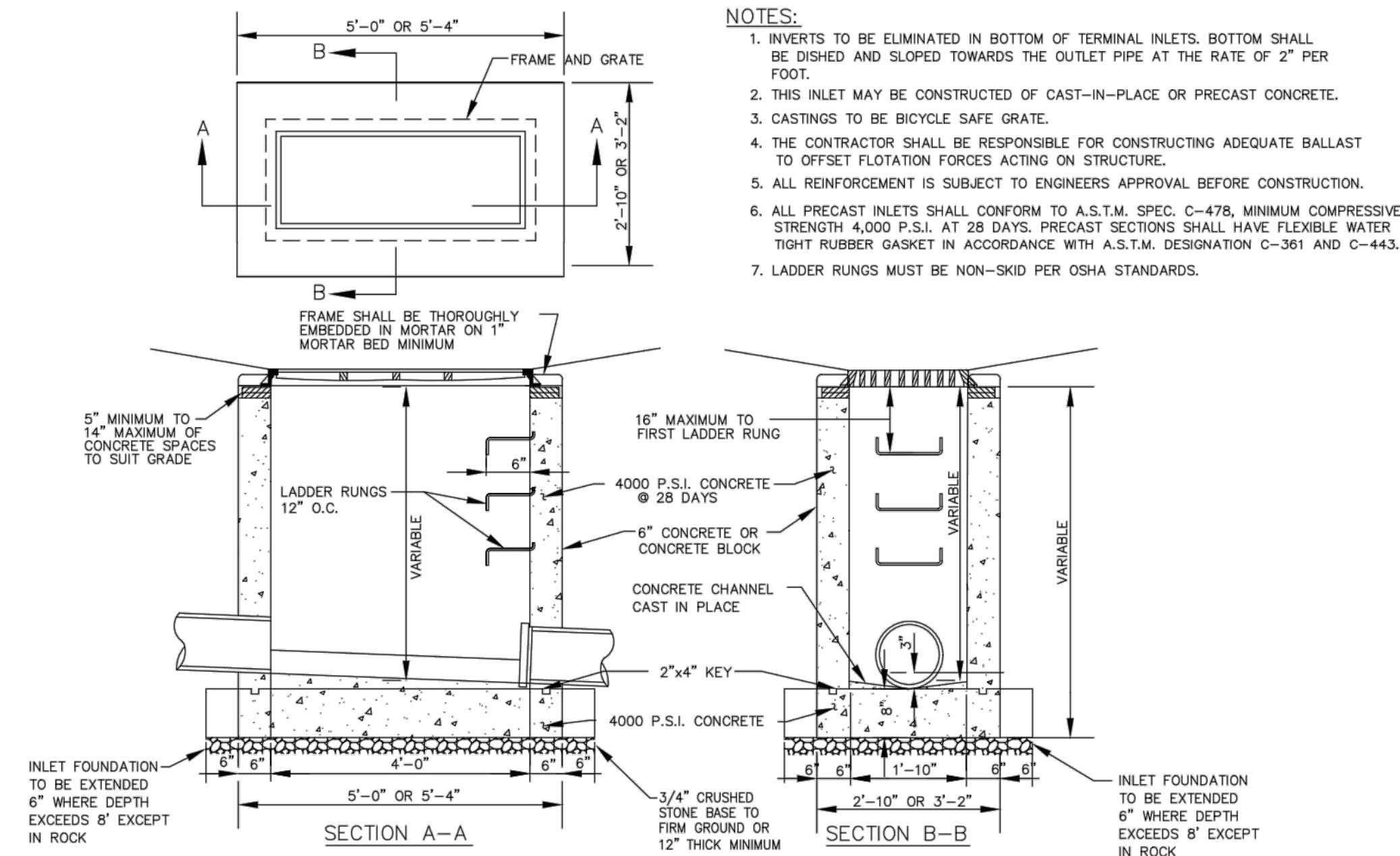
Drawings and Specifications, as instruments of service, are not to be used on extensions of the project, or other projects, except by agreement in writing with appropriate parties. The Architect will not be responsible for construction means, methods, techniques, sequences or procedures, or for safety 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

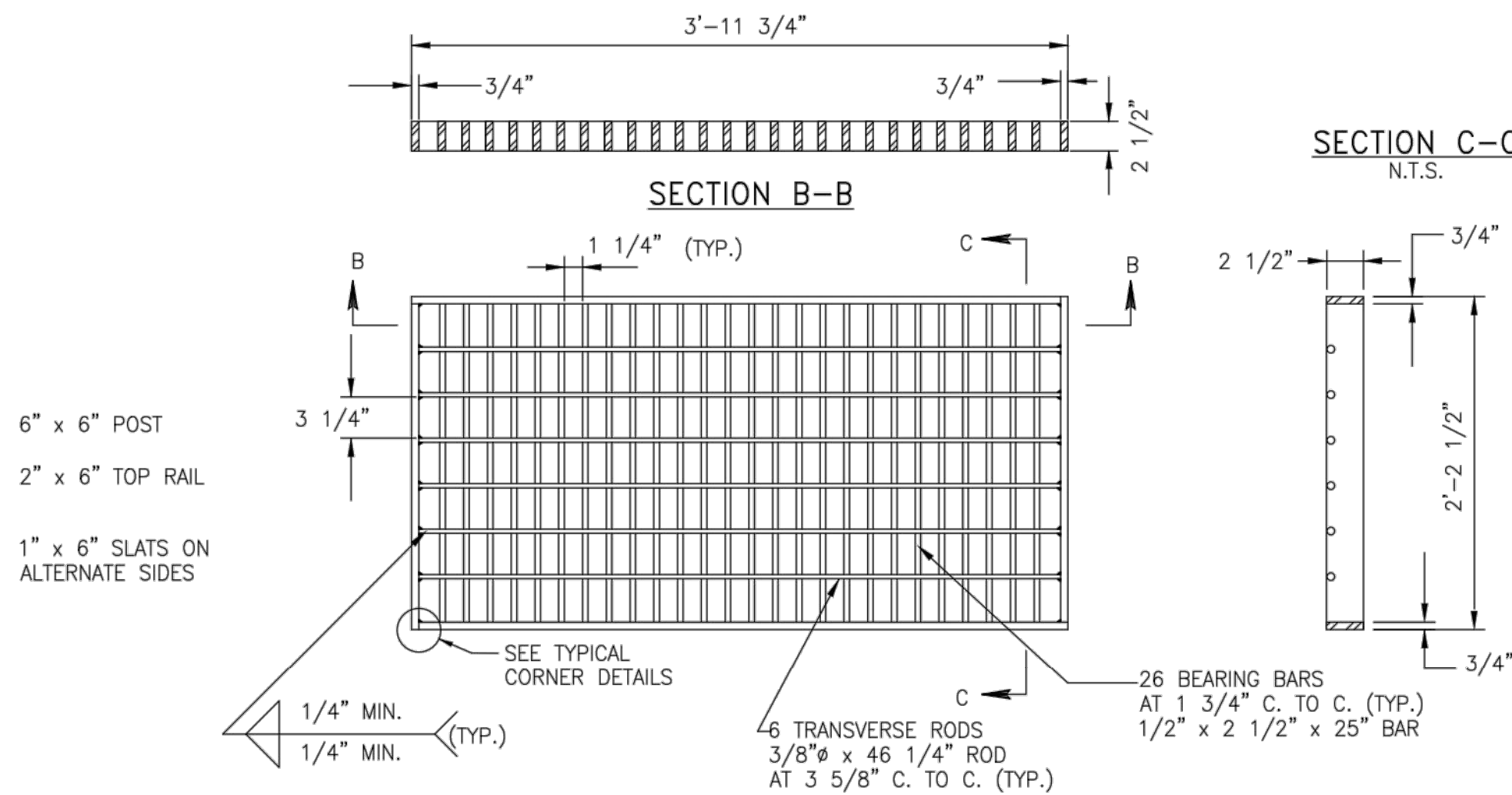
SHEET NUMBER:		POST CONSTRUCTION STORMWATER MANAGEMENT PLAN		HACP NVH - Family Recreational Area 525Mt Pleasant Road, Pittsburgh, PA 15214	
DRAWN BY SJD		CHECKED BY BLD		DATE ISSUED OCT. 2024	
REVISIONS				DATE PRINTED OCT. 2024	

SHEET NUMBER:

PCSM-1



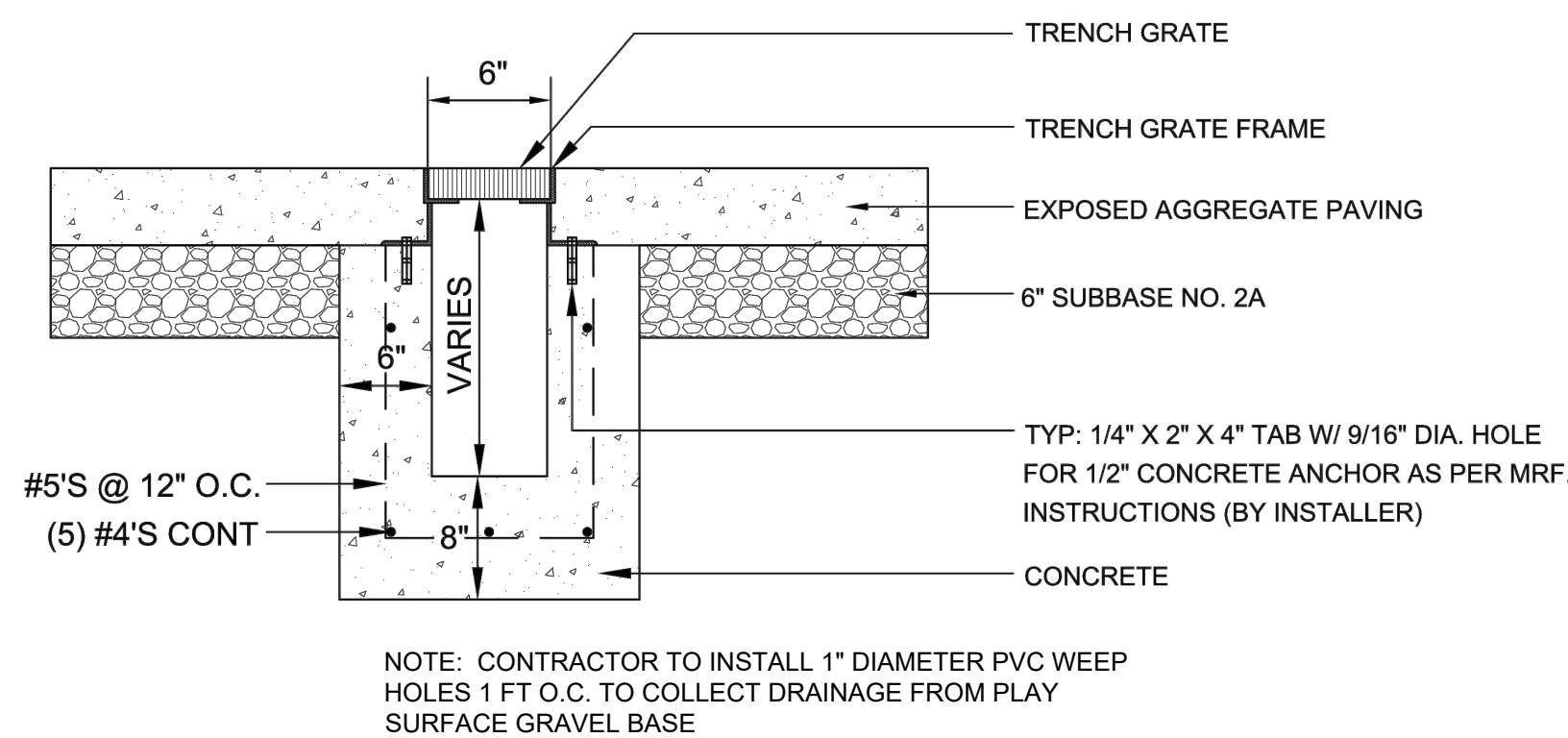
1 TYPE "M" INLET DETAIL
PCSM N.T.S.



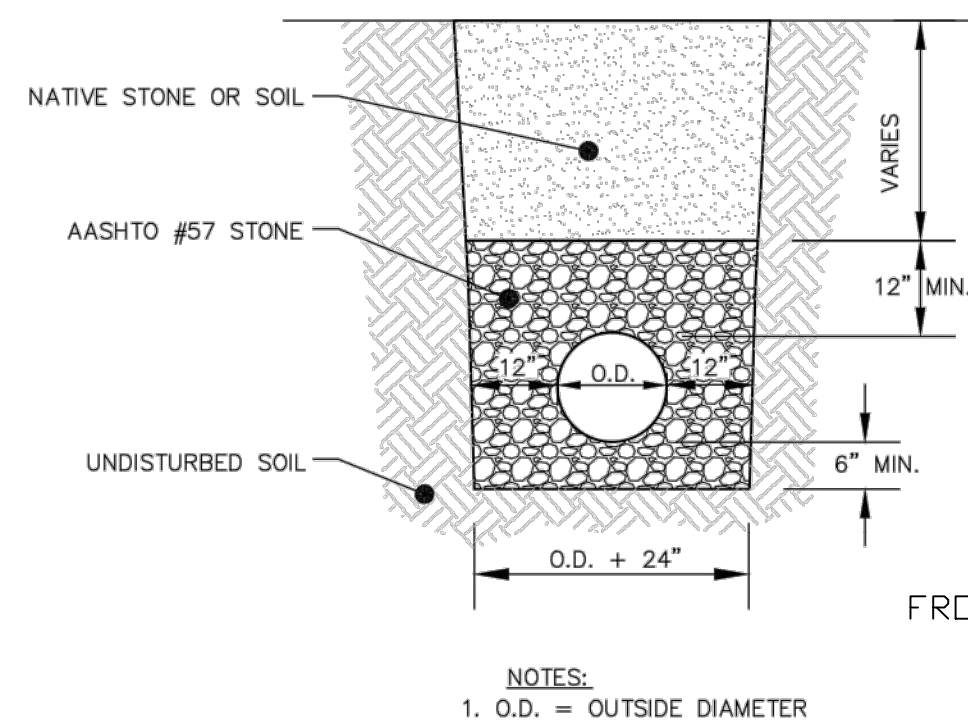
GRATE NOTES:

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.

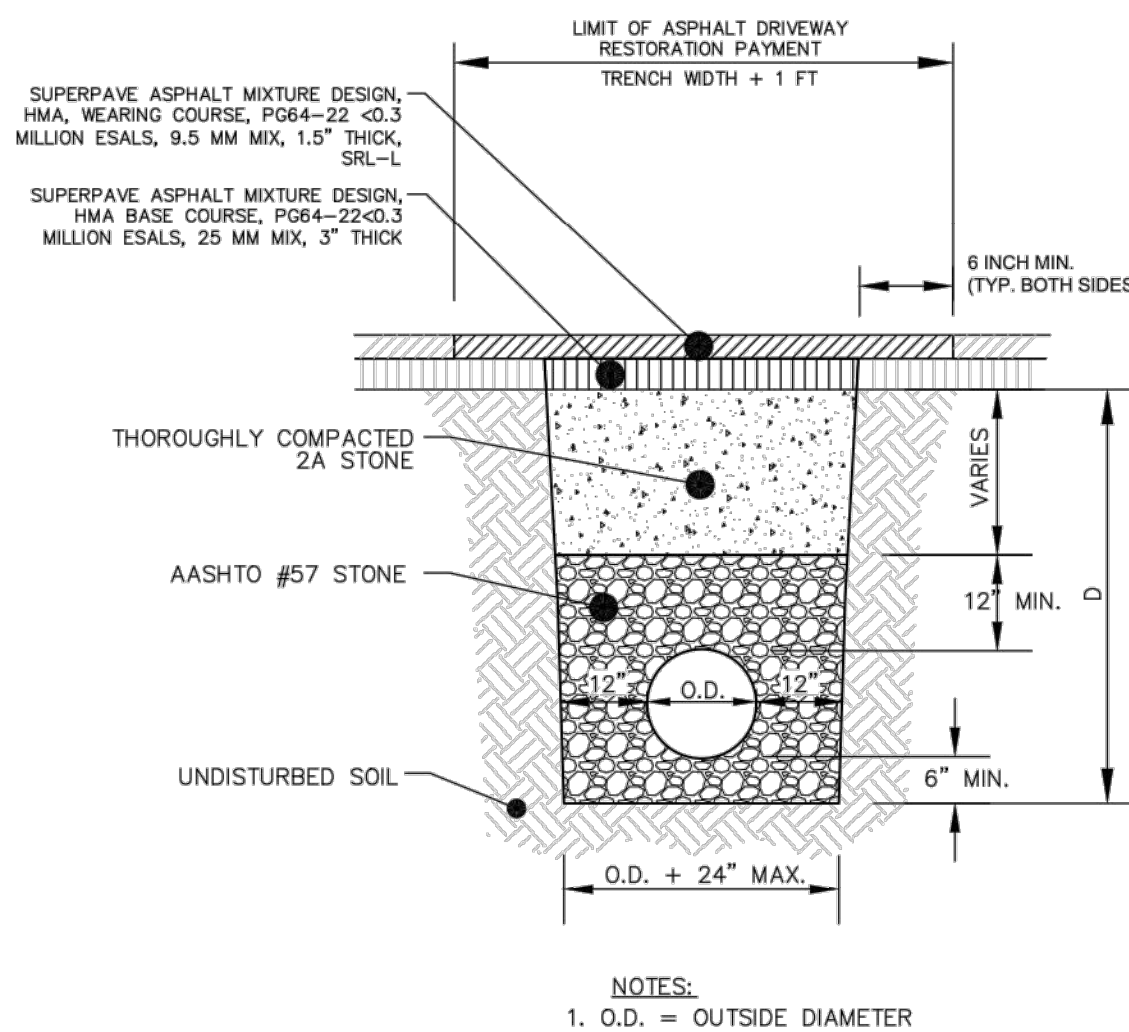
2 STRUCTURAL STEEL GRATE BICYCLE SAFE
PCSM N.T.S.



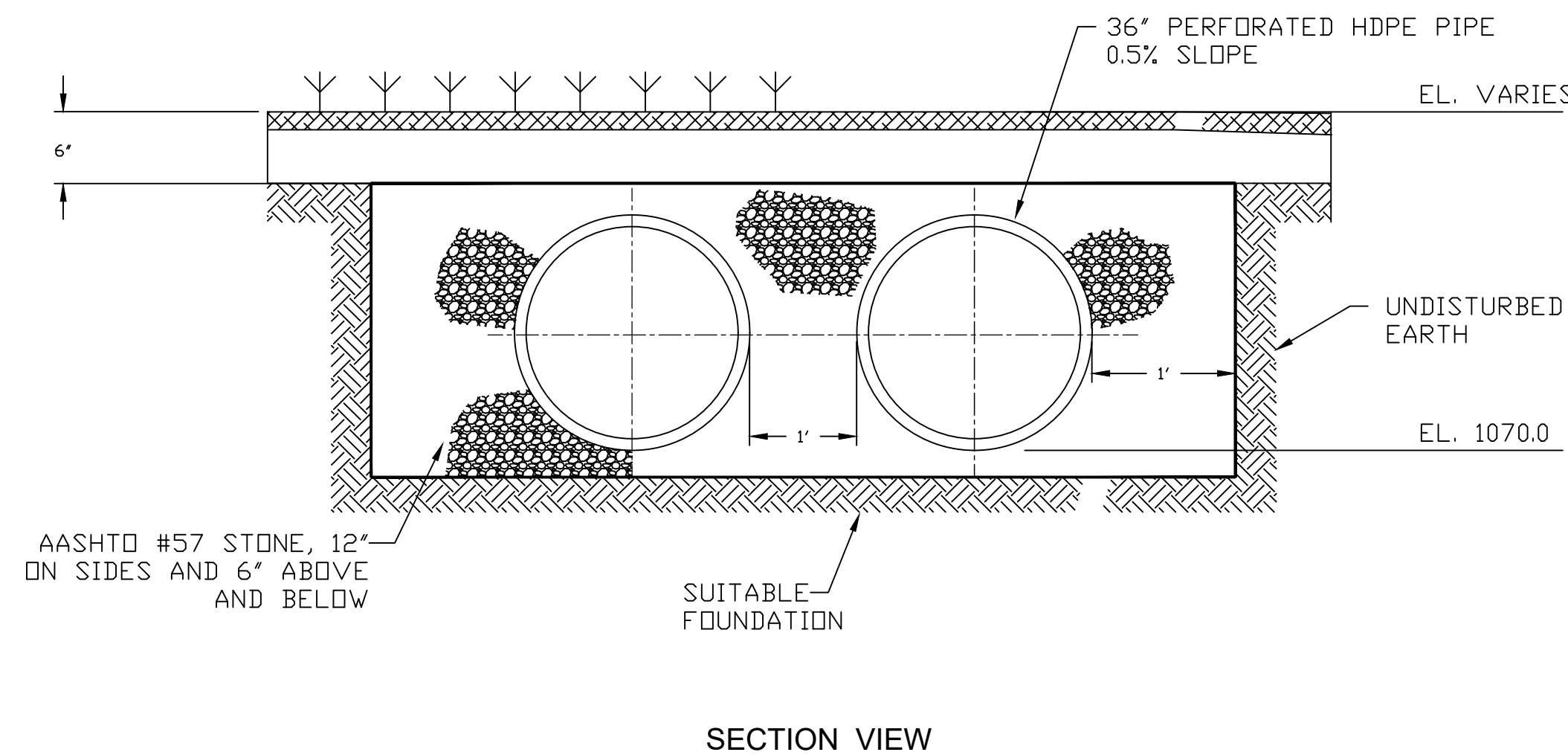
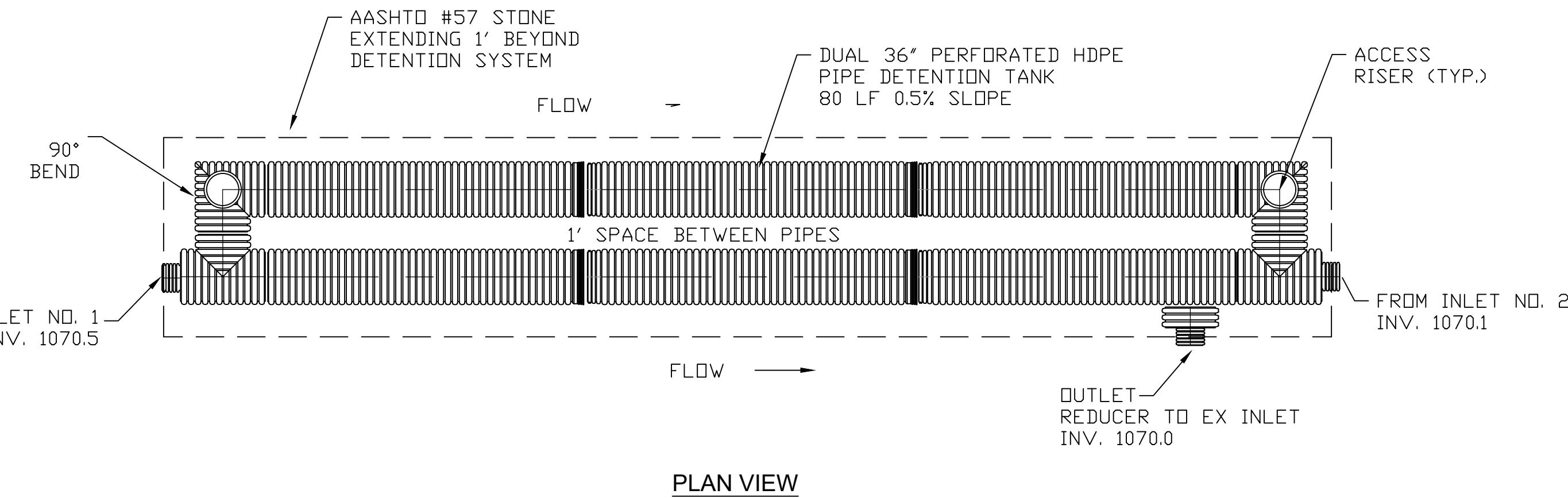
5 TRENCH DRAIN DETAIL
PCSM SCALE:NTS



3 PIPE TRENCH DETAIL - UNPAVED AREA
PCSM N.T.S.



4 PIPE TRENCH DETAIL - ASPHALT DRIVEWAY
PCSM N.T.S.



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 RETENTION/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 FLotation. 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.

6 UNDERGROUND DETENTION SYSTEM DETAIL
PCSM SCALE:NTS

REVISIONS	
DRAWN BY	SJD
CHECKED BY	BLD
DATE ISSUED	OCT. 2024
DATE PRINTED	OCT. 2024

**POST CONSTRUCTION
STORMWATER MANAGEMENT
DETAILS**

HACP NVH - Family Recreational Area
525Mt Pleasant Road,
Pittsburgh, PA 15214

SHEET NUMBER:

PCSM-2

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. SEE LOAD TABLE THIS SHEET

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/NFøPA 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:

CONCRETE CAST AGAINST & PERMANENTLY EXPOSED TO EARTH OR WEATHER-3". 3

REINFORCING IN SLABS & WALLS NOT EXPOSED TO EARTH OR WEATHER-". 41

REINFORCING EXPOSED TO EARTH OR WEATHER- #5 & SMALLER - 1", #6 & LARGER - 2". 21

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	¾" 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

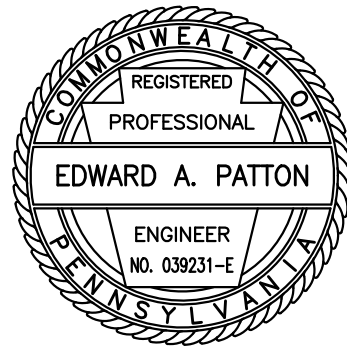
- NOTES
1. PROVIDE CONCRETE MIXES IN ACCORDANCE WITH ACI 301 FOR THE EXPOSURE CATEGORIES IDENTIFIED IN THE ABOVE TABLES.
2. MAXIMUM WATER-CEMENT (W/C) RATIOS INDICATED IN THE TABLE SHALL INCLUDE WATER FROM ADMIXTURES IN W/C CALCULATIONS.
3. DO NOT AIR-ENTRAIN CONCRETE DESIGNATED TO RECEIVE STEEL TROWEL FINISH.

ABBREVIATIONS

ABV	ABOVE	FP	FIRE PROTECTION	SC	SLIP CRITICAL
ACI	AMERICAN CONCRETE INSTITUTE	GALV	GALVANIZE	SDI	STEEL DECK INSTITUTE
ADD'L	ADDITIONAL	GL	GRIDLINE	SDL	SUPERIMPOSED DEAD LOAD
AE	AIR-ENTRAINED	H	HIGH OR HORIZONTAL	SEC	SECONDS
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	HK	HOOK	SIM	SIMILAR
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	HORIZ	HORIZONTAL	SOG	SLAB-ON-GRADE
APPROX	APPROXIMATELY	HP	HIGH POINT	STD	STANDARD
AR	ANCHOR ROD	HS	HIGH STRENGTH	SJI	STEEL JOIST INSTITUTE
ARCH	ARCHITECTURAL	HSA	HEADED SHEAR ANCHOR	STL	STEEL
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	IN	INCH(ES)	STRUCT	STRUCTURAL
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS	IP	INFLECTION POINT	T	TOP OR TREAD
AWS	AMERICAN WELDING SOCIETY	I.F.	INSIDE FACE	T/	TOP OF
B	BOTTOM	I.J.	ISOLATION JOINT	TOF	TOP OF FOOTING
B/	BOTTOM OF	JT	JOINT	TOS	TOP OF STEEL
BLDG	BUILDING	K	KIPS (1000 POUNDS)	THK	THICK
BM	BEAM	kN	KILONEWTON	TMS	THE MASONRY SOCIETY
BOT	BOTTOM	kPa	KILOPASCAL	TYP	TYPICAL
CJP	COMPLETE JOINT PENETRATION	I	LITER	UNO	UNLESS NOTED OTHERWISE
C.J.	CONTROL JOINT	L	LENGTH		VERTICAL
CLR	CLEAR	LBS	POUNDS	VERT	VERTICAL
CLSM	CONTROLLED LOW STRENGTH MATERIAL	Ld	REINF BAR DEVELOPMENT LENGTH	W/C	WATER-CEMENTITIOUS MATERIAL RATIO
CMU	CONCRETE MASONRY UNIT	LLH	LONG LEG HORIZ	W	WIDTH
CO	CLEAN OUT	LLV	LONG LEG VERT	WD	WOOD
COL	COLUMN	LP	LOW POINT	WP	WORK POINT
CONC	CONCRETE	LTWT	LIGHT WEIGHT	WWR	WELDED WIRE REINFORCEMENT
CONT	CONTINUOUS	m	METER		
COORD	COORDINATE	mm	MILLIMETER		
CST.	CONSTRUCTION JOINT	MAX	MAXIMUM		
COTR	CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE	MANUF	MANUFACTURER		
	REINFORCING BAR DIAMETER	MECH	MECHANICAL		
db	DIAMETER	MEP	MECH/ELECT/PLUMBING		
DIA	DOWN	MIN	MINIMUM		
DN	DETAILS	MTL	METAL		
DTLS	DRAWING	NLWT	NORMAL WEIGHT		
DWG	DOWELS	(N)	NEW		
DWLS	EACH	OC	ON CENTER		
EA	EACH FACE	OPNG	OPENING		
EF	ELEVATION	OPP	OPPOSITE		
EL	ELECTRICAL	O.F.	OUTER FACE		
ELECT	ELEVATOR	PIP	PARTIAL JOINT PENETRATION		
ELEV	EMBEDMENT	PSF	POUNDS PER SQAURE FOOT		
EMBED	EDGE OF SLAB	PSI	POUNDS PER SQAURE INCH		
EOS	EDGE OF FROST WALL FROM GRID LINE	PT	POST-TENSION		
EOW	EQUAL	R	RISER		
EQ	EQUIPMENT	REF	REFERENCE		
EQUIP	EACH WAY	REINF	REINFORCING OR REINFORCEMENT		
EW	EXISTING	REQ'D	REQUIRED		
(E)	EXPANSION	SCHED	SCHEDULE		
EXP	FOOT/FEET				
FT	FOOTING				
FTG					

2021 IBC DESIGN LOAD TABLE		
DESCRIPTION	TYPE	LOAD
SNOW LOAD (BASIC)	SNOW	25 PSF
SNOW PACK	PER ASCE 7-10	
LIVE LOAD - ROOF*	LIVE	30 PSF
HORIZ. WIND	WIND	18 PSF
EXPOSURE	C	Vø = 115MPH
MCE*	LIVE	10.0
RISK CATEGORY	II	N/A

*CITY OF PITTSBURGH AMENDMENT REQUIRES 30 PSF OF LIVE LOAD APPLIED TO ROOF



Edward A. Patton

DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF THE PROJECT OR FOR THE SAFETY OF THE PROJECT OR FOR THE SAFETY OF THE PROJECT OR FOR THE SAFETY OF THE PROJECT OR FOR THE SAFETY OF THE PROJECT.

o 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
03/11/23

DATE PRINTED
03/11/23

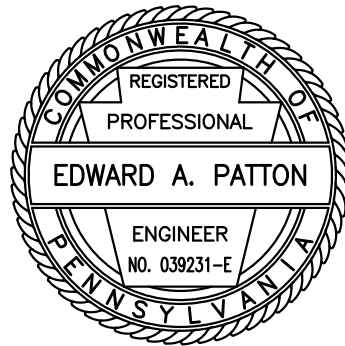
RESTROOM GENERAL NOTES

HACP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214

SHEET NUMBER:

S1.0

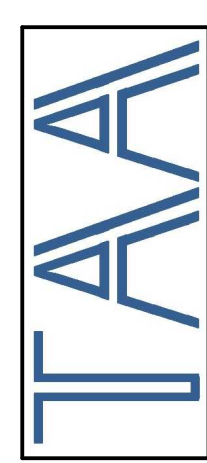
S1.1



Edward A. Patton

DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. ANY REUSE, REPRODUCTION, OR MODIFICATION OF THESE DRAWINGS WITHOUT THE WRITTEN CONSENT OF TUSICK & ASSOCIATES ARCHITECTS, INC. IS PROHIBITED. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR CONSTRUCTION METHODS OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE PROJECT.

© Tusick & Associates Architects, Inc.



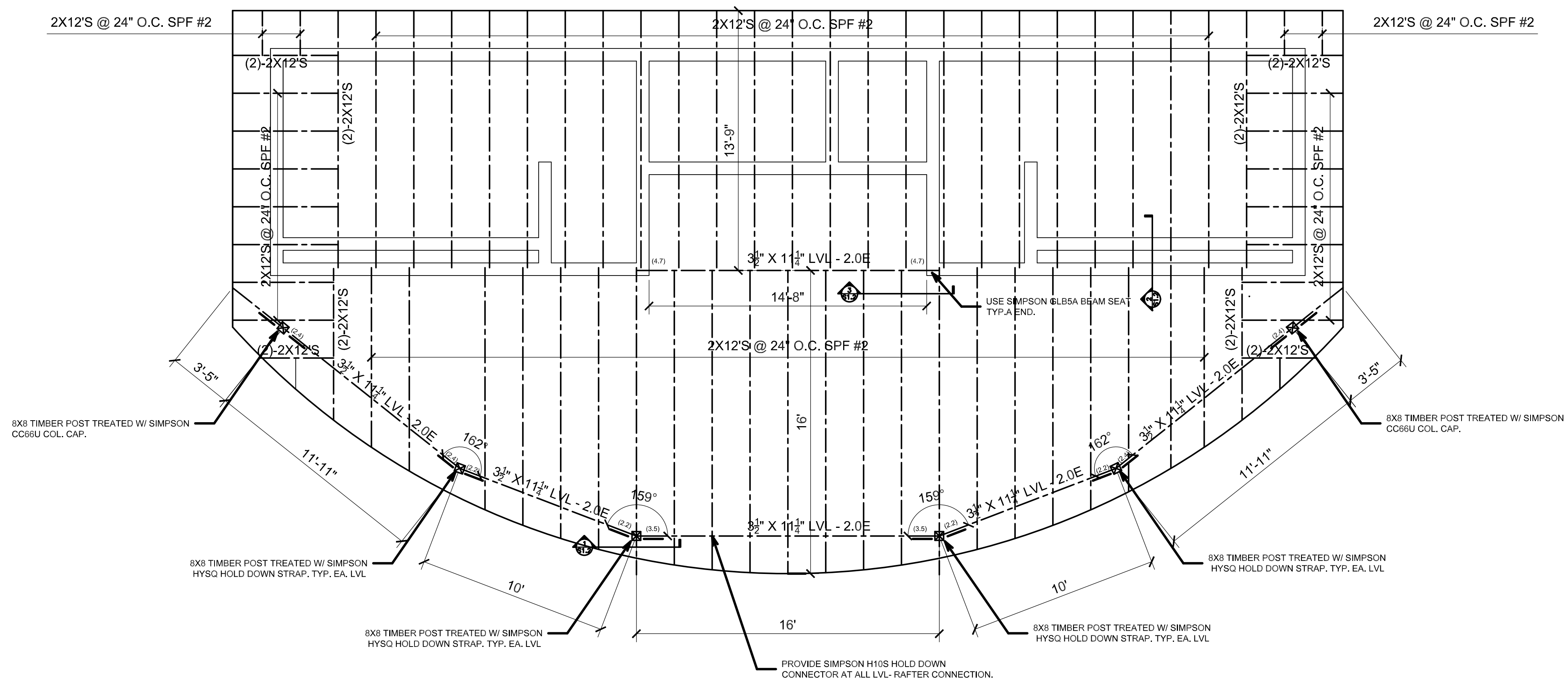
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15238
Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS			
DRAWN BY	CHECKED BY	DATE ISSUED	DATE PRINTED
JAG	SBT	03/11/23	03/11/23

RESTROOM ROOF FRAMING PLAN	HACF NVH - Family Recreational Area 525 Mt Pleasant Road, Pittsburgh, PA 15214
----------------------------	--

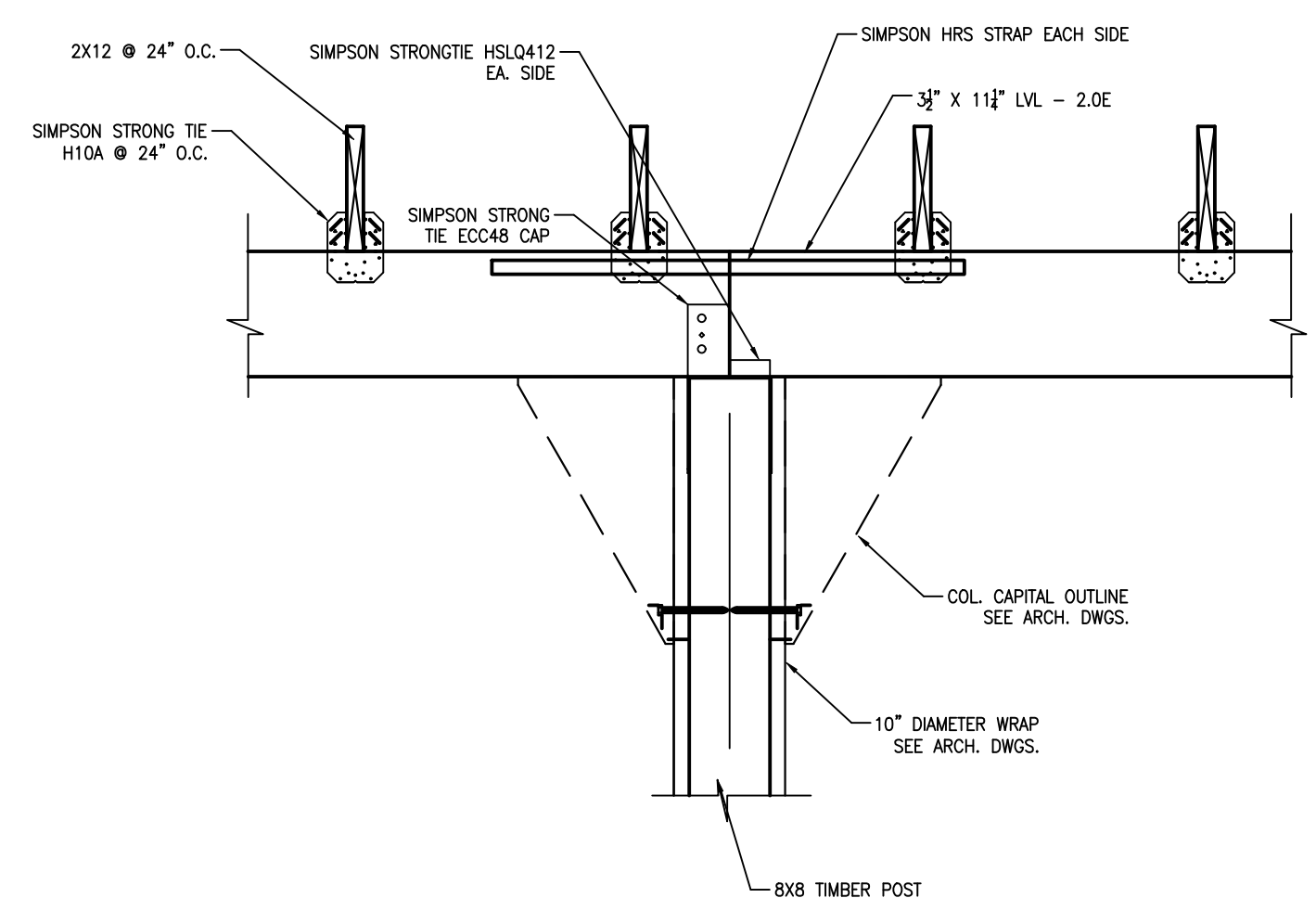
SHEET NUMBER:

S1.2

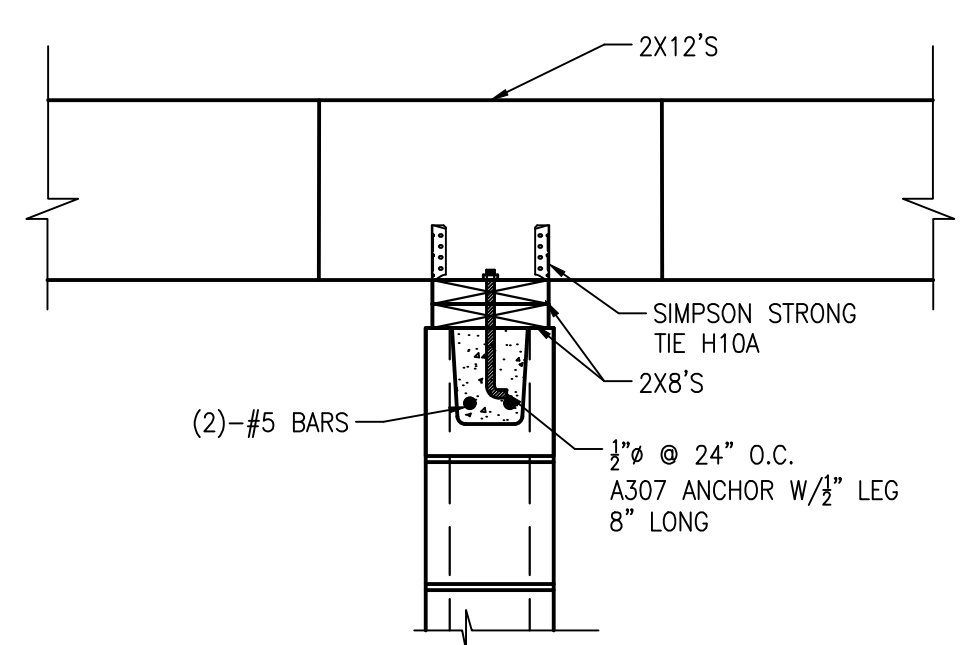


RESTROOM - ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"

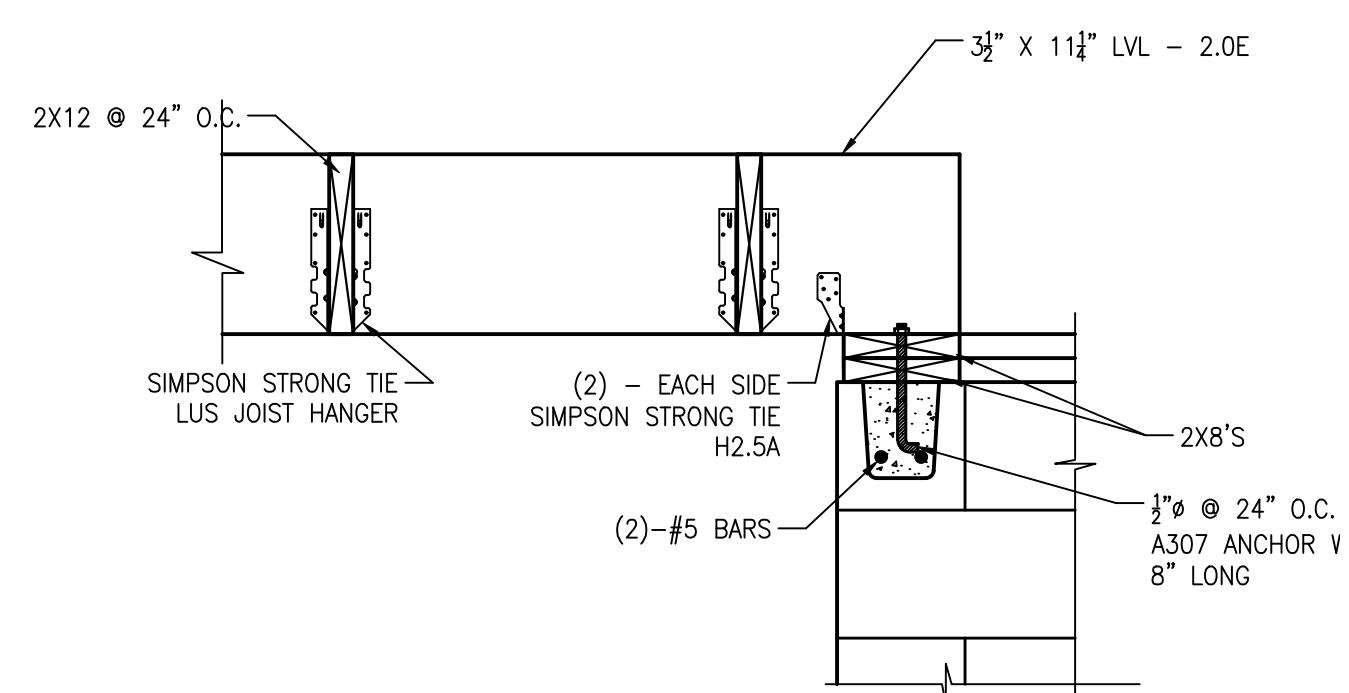
- PLAN NOTES:
- SEE SHEET S1.0 FOR RAFTER LOAD REQUIREMENTS AND RELATED NOTES & DETAILS.
 - ALL EXTERIOR WOOD TO BE TREATED UNLESS WRAPPED AND PROTECTED.
 - ALL RAFTERS TO RECEIVE HOLD DOWN STRAP TO RESIST 1200 LBS UPLIFT FORCE.
 - ROOF SHEATHING TO BE 3/8" OSB.
 - ALL LVL MEMBERS TO BE 2.0E OR BTR.
 - KNEE BRACE NOTED THUS [K.B.] SEE DETAIL THIS SHEET.



1
S1.2 SECTION
SCALE: 3/4" = 1'-0"



2
S1.2 SECTION
SCALE: 1" = 1'-0"



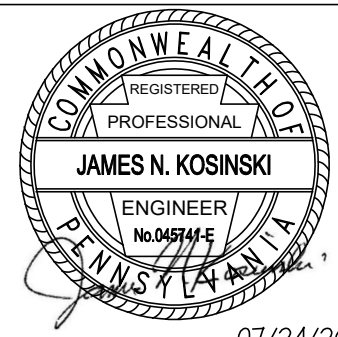
3
S1.2 SECTION
SCALE: 1" = 1'-0"

HVAC SYMBOLS & ABBREVIATIONS



115 Evergreen Heights Drive, Suite 400, Pittsburgh, Pennsylvania 15226-1346
412.891.8888 • Fax: 412.893.5255 • www.tower.com

Project No: 2021223



07/24/26

DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT. THE ARCHITECT SHALL BE RESPONSIBLE FOR CONFIRMING AND CORRELATING DIMENSIONS AT CONSTRUCTION MEETINGS. METHODS, PRECAUTIONS AND PROGRAMS IN CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

© Tusick & Associates Architects, Inc.



Tusick & Associates Architects, Inc.

123 3rd Street, Blawnox, PA 15338
Voice: 412-781-8896, Email: info@tusickarchitects.com

DRAWN BY	MAC	CHECKED BY	REVISIONS		DATE ISSUED	DATE PRINTED
			1.	8/7/2024 REVISED FOR PERMIT		
			2.	7/24/2026 REVISED FOR BIDDING	07/24/26	07/24/26

HVAC LEGEND AND ABBREVIATIONS

HACP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214

SHEET NUMBER:

H0.0

GENERAL DRAWING SYMBOLS

	POINT OF CONNECTION – NEW TO EXISTING
	DEMOLITION LIMIT
	CODED NOTE 'NO' DENOTES SEQUENTIAL ALPHANUMERIC DESIGNATION
	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".
	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).
	SECTION INDICATOR 'NO' DENOTES SEQUENTIAL ALPHABETIC DESIGNATION 'D1' DENOTES DRAWING ON WHICH SECTION CUT 'D2' DENOTES DRAWING ON WHICH SECTION IS LOCATED
	DETAIL INDICATOR 'NO' DENOTES SEQUENTIAL ALPHANUMERIC DESIGNATION 'DWG' DENOTES DRAWING ON WHICH DETAIL IS LOCATED
	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

	PILOT SWITCH (FAN CONTROL)
	VARIABLE SPEED CONTROLLER
	PUSH BUTTON CONTROLLER WITH PILOT LIGHT
	HUMIDISTAT OR HUMIDITY SENSOR
	THERMOSTAT OR TEMPERATURE SENSOR
	NIGHT THERMOSTAT
	TEMPERATURE/HUMIDITY CONTROL
	CARBON DIOXIDE SENSOR
	CARBON MONOXIDE SENSOR

GENERAL NOTES: (ALL DRAWINGS)

- UNLESS CONDITIONS DO NOT PERMIT, ALL RADIUSUED 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 RADIUSUED ELBOWS. THE RADIUSUED RECTANGULAR ELBOWS SHALL HAVE A RADIUSUED HEEL AND A RADIUSUED THROAT, AND SHALL HAVE A CENTERLINE RADIUS NOT LESS THAN 1.5 TIMES THE DUCT WIDTH.
- ALL MITERED RECTANGULAR DUCT ELBOWS HAVING AN ANGLE GREATER THAN 45° SHALL BE PROVIDED WITH TURNING VANES.
- DUCTWORK SHALL NOT BE INSTALLED ABOVE ELECTRICAL PANELS. COORDINATE DUCTWORK WITH ELECTRICAL CONTRACTOR.
- FINAL THERMOSTAT, SENSOR, AND EXHAUST FAN SWITCH LOCATIONS MUST BE APPROVED BY THE ARCHITECT AND OWNER PRIOR TO INSTALLATION.
- 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.
- REFERENCES MADE TO THE CONTRACTOR, THE HEATING CONTRACTOR, THE HVAC CONTRACTOR, AND THE MECHANICAL CONTRACTOR SHALL MEAN ONE AND THE SAME.
- PRIOR TO THE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL MEASURE AIR AND WATER FLOW RATES ON EXISTING AIR AND WATER SYSTEMS AT THE CONCLUSION OF EACH PHASE OF CONSTRUCTION WORK.

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.

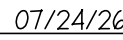
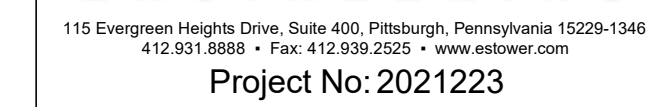
NOTE: NOT ALL OF THE SYMBOLS/ABBREVIATIONS SHOWN ON THIS DRAWING ARE USED WITHIN THE DRAWING SET.

SHEET METAL SYMBOLS

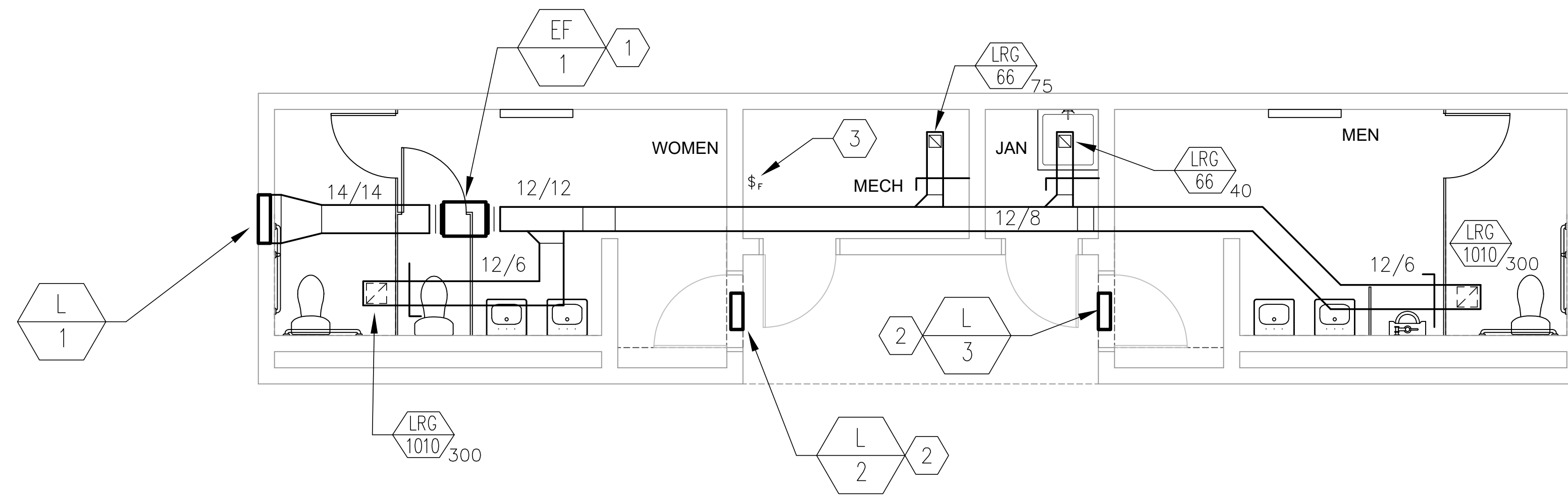
	SUPPLY AIR DUCT TURNED UP
	SUPPLY AIR DUCT TURNED DOWN
	RETURN, EXHAUST OR RELIEF AIR DUCT TURNED UP
	RETURN, EXHAUST OR RELIEF AIR DUCT TURNED DOWN
	RETURN, EXHAUST OR RELIEF AIR DUCT PENETRATION THRU ROOF
	SUPPLY AIR DUCT PENETRATION THRU ROOF
	DIRECTION OF AIR FLOW ARROW
	RECTANGULAR DUCT. DIMENSION 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.
	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.
	ROUND MAIN DUCT WITH 90° TAP OR 90° SADDLE TAP AND VOLUME DAMPER IN SUB-DUCT. (PER SMACNA DUCT CONSTRUCTION STANDARDS)
	TRANSITIONS. GIVE SIZES. NOTE F.O.T. (FLAT ON TOP), OR F.O.B. (FLAT ON BOTTOM) IF APPLICABLE.
	ACCESS DOOR (AD) OR ACCESS PANEL (AP) AS NOTED.
	INCLINED RISE (UP) OR DROP (DN). ARROW IN DIRECTION OF AIR FLOW.
	DUCT MOUNTED SMOKE DETECTOR
	VOLUME DAMPER
	BACKDRAFT DAMPER (BDD)
	COUNTER BALANCED BACKDRAFT DAMPER (CBBDD)
	AUTOMATIC AIR DAMPER
	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 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.
	ROUND DUCT
	FLAT OVAL DUCT
	DIRECTION OF AIR FLOW IN OR OUT OF EQUIPMENT OR AN AIR TERMINAL DEVICE.

ABBREVIATIONS

AAD	AUTOMATIC AIR DAMPER	HRU	HEAT RECOVERY UNIT
AAV	AUTOMATIC AIR VENT	HU	HUMIDIFIER
ABV	ABOVE	HVAC	HEATING, VENTILATING & AIR CONDITIONING
ACU	AIR CONDITIONING UNIT	HVU	HEATING AND VENTILATING UNIT
AD	ACCESS DOOR	HWC	HOT WATER COIL
ADC	AIR DIFFUSION COUNCIL	HWR	HOT WATER RETURN
AFF	ABOVE FINISHED FLOOR	HWS	HOT WATER SUPPLY
AGA	AMERICAN GAS ASSOCIATION	IDF	INDUCED DRAFT FAN
AHU	AIR HANDLING UNIT	IMC	INTERNATIONAL MECHANICAL CODE
ALT	ALTERNATE	IN	INCH
AMCA	AIR MOVEMENT AND CONTROL ASSOCIATION	IWG	INCHES WATER GAUGE
AP	ACCESS PANEL	KH	KITCHEN HOOD
APD	AIR PRESSURE DROP	KSU	KITCHEN SUPPLY UNIT
ARI	AIR-CONDITIONING AND REFRIGERATION INSTITUTE	KW	KILOWATT
AS	AIR SEPARATOR	L	LOUVER OR LIQUID (REFRIGERANT)
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS	LAT	LEAVING AIR TEMPERATURE (°F)
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	LBG	LINEAR BAR GRILLE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	LBS	POUNDS
ATC	AUTOMATIC TEMPERATURE CONTROL	LH	LAB HOOD
B	BOILER	LRG	LINEAR RETURN GRILLE
BAS	BUILDING AUTOMATION SYSTEM	LSL	LINEAR SLOT DIFFUSER
BCU	BLOWER COIL UNIT	LSR	LINEAR SLOT RETURN
BDD	BACK-DRAFT DAMPER	LWT	LEAVING WATER TEMPERATURE
BFP	BACK-FLOW PREVENTER	MANUF	MANUFACTURER
BFV	BUTTERFLY VALVE	MAU	MAKE-UP AIR UNIT
BHP	BREAK HORSE POWER	MAV	MANUAL AIR VENT
BJ	BETWEEN JOISTS	MAX	MAXIMUM
BL STL	BLACK STEEL	MBH	1000 BTUH
BLDG	BUILDING	MCA	MINIMUM CIRCUIT AMPS
BTUH	BRITISH THERMAL UNITS/HOUR	MIN	MINIMUM
BV	BALL VALVE	MOP	MAXIMUM OVER CURRENT PROTECTION
C	CHILLER	MTD	MOUNTED
CAU	COMBUSTION AIR UNIT	N.C.	NORMALLY CLOSED
CBBDD	COUNTER BALANCED BACKDRAFT DAMPER	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
CC	COOLING COIL	N.O.	NORMALLY OPEN
CD	COIL CONDENSATE DRAIN OR CEILING DIFFUSER	NO.	NUMBER
CFM	CUBIC FEET PER MINUTE	NPW	NON POTABLE WATER
CHWR	CHILLED WATER RETURN	OA	OUTSIDE AIR
CHWS	CHILLED WATER SUPPLY	OAI	OUTSIDE AIR INTAKE
CLG	CEILING	OBD	OPPOSED BLADE DAMPER
CO	CLEAN OUT	OCC	OCCUPANCY
CONN	CONNECTION	OS&Y	OUTSIDE STEM AND YOKE GATE VALVE
CP	CONTROL PANEL	P	PUMP
CRAC	COMPUTER ROOM AIR CONDITIONING UNIT	PC	PLUMBING CONTRACTOR
CS	CIRCUIT SETTER	PD	PRESSURE DROP OR PUMPED DISCHARGE
CU	CONDENSING UNIT	PG	PRESSURE GAUGE
CUH	CABINET UNIT HEATER	PRV	PRESSURE RELIEF VALVE
CV	HOT WATER CONVECTOR	PRS	PRESSURE REDUCING STATION
CW	COLD WATER OR CITY WATER DB	PSI	POUNDS PER SQUARE INCH
DCW	DOMESTIC COLD WATER	P/T	PRESSURE/TEMPERATURE PORT
°F	DEGREE FAHRENHEIT	PV	PLUG VALVE
DD	DUCT MOUNTED SMOKE DETECTOR	R	RETURN AIR
DDG	DOUBLE DEFLECTION GRILLE	RCD	ROUND CONE DIFFUSER
DEMO	DEMOLITION	RCP	RADIANT CEILING PANEL (HOT WATER)
DL	DRUM LOUVER	RG	RETURN GRILLE
DX	DIRECT EXPANSION	RL	REFRIGERANT LIQUID
EAT	ENTERING AIR TEMPERATURE (°F)	R/L	A RELIEF AIR
EC	ELECTRICAL CONTRACTOR	RPM	REVOLUTIONS PER MINUTE
EGG	EGG CRATE GRILLE	RR	RETURN REGISTER
ECH	ELECTRIC CEILING HEATER	RS	REFRIGERANT SUCTION
ECP	ELECTRIC RADIANT CEILING PANEL	RTU	ROOFTOP UNIT
ECUH	ELECTRIC CABINET UNIT HEATER	RV	ROOF VENTILATOR
EDC	ELECTRIC DUCT COIL	S	SUCTION (REFRIGERANT)
EER	ENERGY EFFICIENCY RATIO	SA	SUPPLY AIR OR SOUND ATTENUATOR
EF	EXHAUST FAN	SAN	SANITARY
EG	EXHAUST GRILLE	SCD	SQUARE CONE DIFFUSER (4-WAY BLOW PATTERN)
EJ	EXPANSION JOINT	SD	SMOKE DAMPER
ER	EXHAUST REGISTER	SDG	SPIRAL DUCT GRILLE
ERCP	ELECTRIC RADIANT CEILING PANEL	SENS	SENSIBLE
ESP	EXTERNAL STATIC PRESSURE	SFC	SUPPLY FAN
ET	EXPANSION TANK ELECTRIC	SG	SUPPLY GRILLE
EUH	UNIT HEATER	SLD	SQUARE DIRECTIONAL DIFFUSER
EW	ELECTRIC WALL HEATER	SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION
EWT	ENTERING WATER TEMPERATURE	SPD	SQUARE PLAQUE DIFFUSER
EXP	EXPANSION	SR	SUPPLY REGISTER
FD	FIRE DAMPER	ST STL	(SS) STAINLESS STEEL
F/S D	FIRE AND SMOKE DAMPER	T	THERMOSTAT OR THERMOMETER
FCU	FAN COIL UNIT	TB	TERMINAL BOX
FLA	FULL LOAD AMPS	TDV	TRIPLE DUTY VALVE
FLEX	FLEXIBLE	TJ	THREAD JOISTS
FO	FLAT OVAL DUCTWORK	TPD	THERMALLY POWERED DIFFUSER
FOB	FLAT ON BOTTOM	TSP	TOTAL STATIC PRESSURE
FOT	FLAT ON TOP	T STAT	THERMOSTAT
FPB	FAN POWERED BOX	TYP	TYPICAL
FT	FEET	UH	UNIT HEATER
FTR	FINNED TUBE RADIATION	UV	UNIT VENTILATOR
FURN	FURNISH	V/PH	VOLT / PHASE
G	GAS (NATURAL OR REFRIGERANT)	VAV	VARIABLE AIR VOLUME
GA	GAUGE	VAVD	VARIABLE AIR VOLUME DIFFUSER
GC	GENERAL CONTRACTOR	VEL	VELOCITY
GDU	GROUND MOUNTED ROOFTOP UNIT	VFL	VARIABLE FREQUENCY DRIVE
GPM	GALLONS PER MINUTE	VOL D	(VD) VOLUME DAMPER
GUH	GAS FIRED UNIT HEATER	WB	WET BULB
GV	GATE VALVE	WG	WATER GAUGE
H	HUMIDISTAT	WPD	WATER PRESSURE DROP
HB	DRAIN VALVE WITH HOSE CONNECTION (HOSE BIBB)	WSHP	WATER SOURCE HEAT PUMP
HC	HVAC CONTRACTOR	xCD	EXISTING CONDENSATE DRAIN
HD	KITCHEN/LAB HOOD	xCHWR	EXISTING CHILLED WATER RETURN
HDGG	HEAVY DUTY GYM GRILLE	xCHWS	EXISTING CHILLED WATER SUPPLY
HI	HYDRONICS INSTITUTE	xHWR	EXISTING HOT WATER RETURN
HP	HORSEPOWER OR HEAT PUMP	xHWS	EXISTING HOT WATER SUPPLY
HR	HOUR		



© Tusick & Associates Architects, Inc.



- ① HC 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.

DRAWN BY MAC	REVISIONS 1. 8/7/2024 REVISED FOR PERMIT 2. 7/24/2026 REVISED FOR BIDDING
CHECKED BY -	
DATE ISSUED 07/24/26	
DATE PRINTED 07/24/26	

HVAC NEW WORK PLAN

HACP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214

SHEET NUMBER:

H1.0

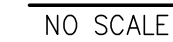


0
1
1
0
1
1
-
0
0
5
0
1
1
-
1
1
0
1
-
1

323 Mt Pleasant Road,
Pittsburgh, PA 15214

SHEET NUMBER:

H2.0



TYPE:

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.

REMARKS:

1. DO NOT PROVIDE INTEGRAL DAMPER UNLESS INDICATED ON THE DOCUMENTS.
2. 45 DEGREE DEFLECTION.



TYPE 'B', 'C' & 'D'

8 FT. MAX. HANGER SPACING



LONGITUDINAL

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.

NO SCALE

NO SCALE

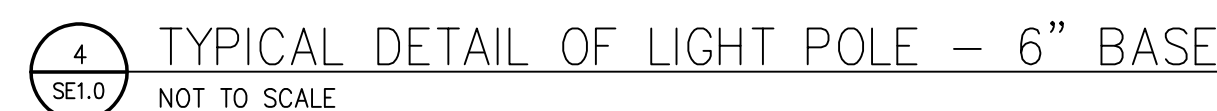
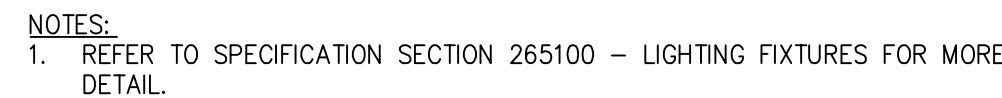
REMARKS:

1. COLOR AND FINISH SELECTION BY ARCHITECT.
2. INSECT SCREEN.
3. INTERLOCK MOTORIZED DAMPER WITH EQUIPMENT OPERATION.



CODED NOTES: (RISER DIAGRAM AND SITE PLAN)

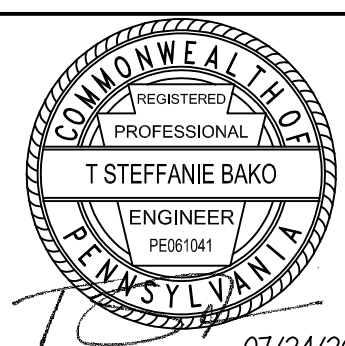
- 1 UTILITY POLE WITH POLE-MOUNTED TRANSFORMER PROVIDED BY HACP
- 2 PROVIDE METER SOCKET ON EXTERIOR OF BUILDING. HACP SHALL PROVIDE METER TO TERMINATE METER SOCKET REQUIREMENTS WITH HACP PRIOR TO ROUGH-IN.
- 3 WEATHERHEAD TO ACCOMMODATE #1 AWG CONDUCTORS AND MOUNTING BRACKETS FURNISHED BY HACP. PROVIDE 3' OF CONDUCTORS AT WEATHERHEAD FOR CONNECTION TO OVERHEAD CONDUCTORS. COORDINATE LOCATION AND ALL REQUIREMENTS WITH HACP PRIOR TO ROUGH-IN.
- 4 NEW OVERHEAD CONDUCTORS BY HACP.



A. ALL WIRE SHALL BE COPPER.



1 PROVIDE DRIVEN GROUND RODS AND CADWELD CONNECTION IN ACCORDANCE WITH SPECIFICATION SECTION 260526.



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 ARCHITECT, 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 CONSTRUCTION MEANS, METHODS, SEQUENCES, 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

DRAWN BY JVM	REVISIONS	
	1.	8/7/2024 REVISED FOR PERMIT
CHECKED BY TSB	2.	7/24/2026 REVISED FOR BIDDING
DATE ISSUED 07/24/26		
DATE PRINTED 07/24/26		

SITE ELECTRICAL PLAN AND DETAILS

HACP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214

SHEET NUMBER:

SE1.0

ELECTRICAL SYMBOL LEGEND

GENERAL DRAWING SYMBOLS

	DETAIL INDICATOR "NO" DENOTES SEQUENTIAL ALPHANUMERIC DESIGNATION "DWG" DENOTES NUMBER WHERE DETAIL IS DRAWN
	SECTION INDICATOR "NO" DENOTES SEQUENTIAL ALPHANUMERIC DESIGNATION "DWG" DENOTES NUMBER WHERE SECTION IS DRAWN
	COLUMN LINE OR GRID INDICATOR "NO" DENOTES SEQUENTIAL ALPHANUMERIC DESIGNATION
	ELEVATION/VIEW INDICATOR "NO" DENOTES SEQUENTIAL ALPHANUMERIC DESIGNATION "DWG" DENOTES NUMBER WHERE DETAIL IS DRAWN
	REVISION INDICATOR "NO" DENOTES REVISION LEVEL
	CODED NOTE "NO" DENOTES SEQUENTIAL ALPHANUMERIC DESIGNATION

SITE UTILITIES

	SERVICE METER
	UTILITY POLE
	UNDERGROUND DUCT BANK – SEE DRAWING SECTION AS INDICATED BY TAG
	NOMENCLATURE: – "OE" DENOTES OVERHEAD ELECTRIC – "UE" DENOTES UNDERGROUND ELECTRIC

GENERAL NOTES

- A. NOTES PERTAINING TO ALL BRANCH CIRCUITING:**
- ALL ELECTRICAL DEVICES HAVE BRANCH CIRCUIT NUMBERS 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.
 - UNLESS NOTED OTHERWISE, ON THE DRAWINGS, ALL BRANCH CIRCUITING SHALL BE INSTALLED CONCEALED IN EMT, 3/4" MINIMUM.
 - ALL CONDUIT SHALL BE 3/4" EMT, UNLESS NOTED OTHERWISE ON THE DRAWINGS. THE FOLLOWING EXCEPTIONS ALSO APPLY:
 - ALL BRANCH CIRCUIT WIRING TO SITE LIGHTING FIXTURES SHALL BE INSTALLED IN SCHEDULE 40 PVC CONDUIT.
 - THE CONDUIT FOR ALL FEEDERS SHALL BE AS SCHEDULED UNDER DETAIL 3/SE1.0.
 - THE CONDUIT FOR ALL PLUMBING AND HVAC EQUIPMENT SHALL BE AS SCHEDULED UNDER THE 'MECHANICAL EQUIPMENT SCHEDULE'.
 - MAXIMUM CONDUIT SIZE IN CONCRETE SLABS SHALL BE 1" PVC.
 - ALL BRANCH CIRCUIT WIRING SHALL BE #12AWG THHN COPPER, UNLESS NOTED OTHERWISE ON THE DRAWINGS. THE FOLLOWING EXCEPTIONS APPLY:
 - BRANCH CIRCUIT WIRING TO ALL SITE LIGHTING FIXTURES SHALL BE #10AWG THHN COPPER, UNLESS NOTED AS A LARGER SIZE ON THE DRAWINGS.
 - THE WIRE FOR ALL FEEDERS SHALL BE AS SCHEDULED UNDER DETAIL 3/SE1.0.
 - THE WIRE FOR ALL PLUMBING AND HVAC EQUIPMENT SHALL BE AS SCHEDULED UNDER THE 'MECHANICAL EQUIPMENT SCHEDULE'.
 - 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:
 - CONDUIT RUNS TO WALL SWITCHES.
- B. NOTES PERTAINING TO GROUNDING:**
- 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:**
- 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.
 - COORDINATE THE LOCATION AND SERVICE REQUIREMENTS OF ALL HVAC, PLUMBING AND KITCHEN EQUIPMENT WITH THE RESPECTIVE CONTRACTORS. INFORM THE ARCHITECT OF ANY CONFLICTS IMMEDIATELY.
 - 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**
- CHECK ALL DRAWINGS FOR WALL SWITCHES. SWITCHES ARE SHOWN ON LIGHTING, POWER, AND SYSTEM PLANS.
 - 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:**
- PROVIDE NAMEPLATE LABELS ON ALL ELECTRICAL DISTRIBUTION EQUIPMENT IN ACCORDANCE WITH DETAIL 2/E1.0.
 - PROVIDE ARC FLASH HAZARD LABELING ON ALL ELECTRICAL DISTRIBUTION EQUIPMENT IN ACCORDANCE WITH SPECIFICATION SECTION 260573.
- F. NOTES PERTAINING TO CUTTING AND PATCHING:**
- 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	OC	ON CENTER
AC	ABOVE COUNTER	OEM	ORIGINAL EQUIPMENT MANUFACTURER
AFF	ABOVE FINISHED FLOOR	Ø	PHASE
AWG	AMERICAN WIRE GAUGE	P	POLE
C	CONDUIT	PB	PUSH BUTTON
CKT	CIRCUIT	PH	PHASE
CB	CIRCUIT BREAKER	PBL	PANELBOARD
CONN	CONNECTION	POS	POSITION
CU	COPPER	PRI	PRIMARY
DISC	DISCONNECT	PWR	POWER
DWG	DRAWING	REC	RECESSED
E	EMERGENCY OR EMERGENCY SYSTEM	RECPT	RECEPTACLE
EMT	ELECTRIC METALLIC TUBING	REQ	REQUIRED
EQUIP	EQUIPMENT	RMC	RIGID GALVANIZED METAL CONDUIT
EWC	ELECTRIC WATER COOLER	SCH	SCHEDULE
EX	EXISTING	SEC	SECONDARY
FA	FIRE ALARM	SM	SURFACE MOUNTED
FBO	FURNISHED BY OTHERS WITH ALL RELATED ELECTRICAL	SW	SWITCH
FDR	WORK BY ELECTRICAL CONTRACTOR	SWBD	SWITCHBOARD
FEEDER		TELE	TELEPHONE
FH	FUME HOOD	TL	TWIST LOCK
FT	FEET	TP	TAMPER PROOF
GND	GROUND OR GROUNDED	TV	TELEVISION
GRD	GROUND OR GROUNDED	TYP	TYPICAL
HP	HORSEPOWER	UC	UNDER COUNTER
IN	INCH	UNO	UNLESS NOTED OTHERWISE
JB	JUNCTION BOX	V	VOLT
KW	KILOWATT	W	WATT
LTG	LIGHTING	W/	WITH
MSF	MAIN SWITCH AND FUSE	W/O	WITHOUT
MCB	MAIN CIRCUIT BREAKER	WP	WEATHER PROOF ENCLOSURE
MFR	MANUFACTURER	X	EXISTING TO REMAIN
MH	MANHOLE	XA	EXISTING TO BE REMOVED COMPLETELY
MLO	MAIN LUG ONLY	XP	EXPLOSION PROOF
MTD	MOUNTED	XR	RELOCATED EXISTING EQUIPMENT
MTG	MOUNTING	XRN	EXISTING TO BE REMOVED AND REPLACED WITH NEW DEVICE
NA	NOT APPLICABLE	XRR	EXISTING TO BE REMOVED AND RELOCATED
NIC	NOT IN THIS CONTRACT	Y	STAR OR WYE DISTRIBUTION SYSTEM
NO	NUMBER		
NTS	NOT TO SCALE		

UTILITY COMPANY ABBREVIATIONS

HACP	THE HOUSING AUTHORITY OF THE CITY OF PITTSBURGH
------	---

CONTRACTOR ABBREVIATIONS

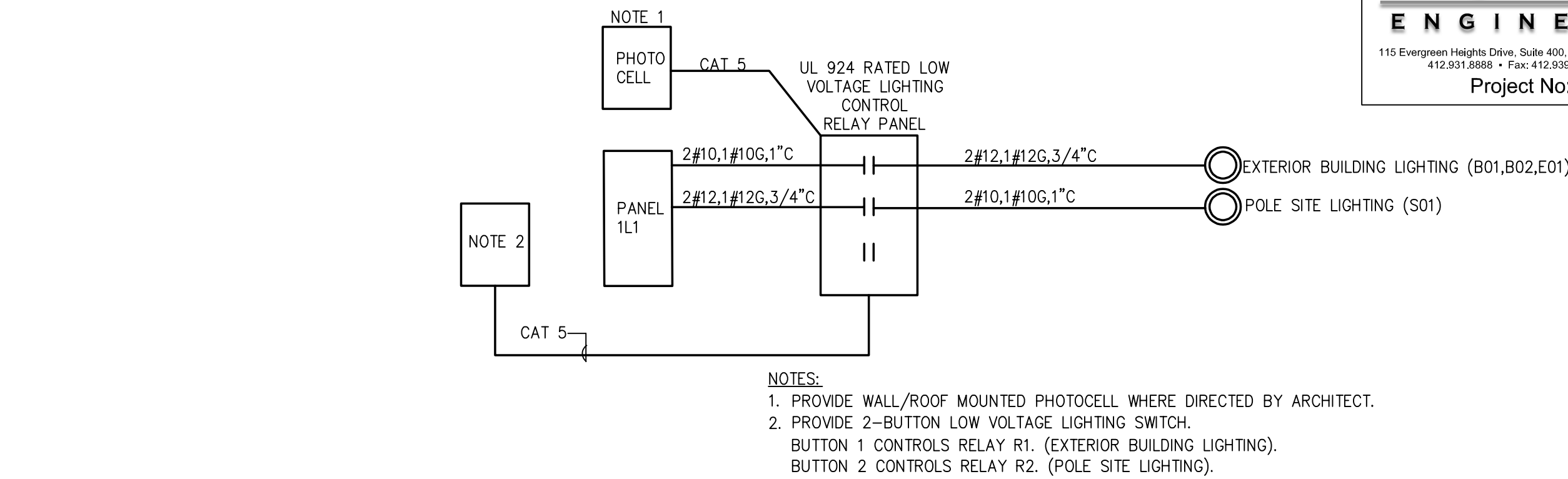
EC	ELECTRICAL CONTRACTOR
GC	GENERAL CONTRACTOR
HC	HEATING, VENTILATING, AIR CONDITIONING CONTRACTOR
PC	PLUMBING CONTRACTOR

LIGHTING

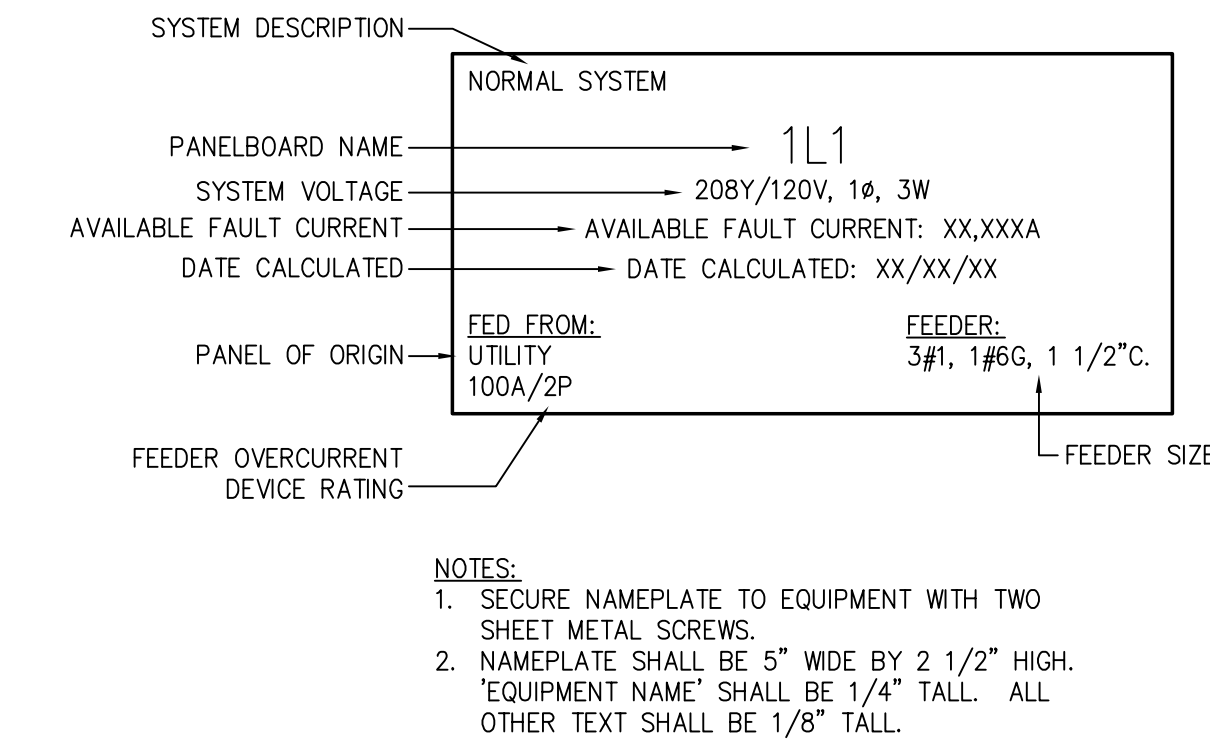
	LED LIGHTING FIXTURE, WALL MOUNT AT 6'-8" AFF TO BOTTOM OR CEILING MOUNT (UNO)
	INDIVIDUAL LED LIGHTING FIXTURE, WALL MOUNT AT 6'-8" AFF TO BOTTOM OR CEILING MOUNT (UNO)
	NORMAL/EMERGENCY LIGHTING FIXTURE, WALL MOUNT AT 6'-8" AFF TO BOTTOM OR CEILING MOUNT (UNO)
	POLE MOUNTED FIXTURE
	NOMENCLATURE: – "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 – "W1" DENOTES PASSIVE INFRARED AUTOMATIC WALL SWITCH – "LV" DENOTES LOW VOLTAGE SWITCH. REFER TO DETAIL 1/E1.0.
	LOW VOLTAGE RELAY PANEL, MOUNT AT 6'-0" AFF TO TOP (UNO).
	PHOTOCELL – MOUNT AS DIRECTED ON DRAWINGS
	LOW VOLTAGE LIGHTING CONTROL POWER PACK. WATTSTOPPER BZ-150 OR APPROVED EQUAL
	WALL MOUNTED LOW VOLTAGE LIGHTING CONTROL DUAL TECH OCCUPANCY SENSOR WITH 30 MINUTE TIME DELAY. WATTSTOPPER DT-200 OR APPROVED EQUAL

POWER

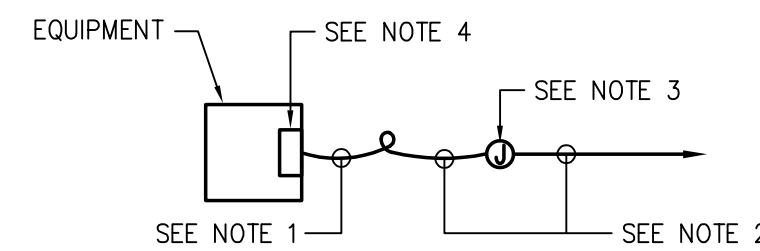
	CEILING/FLOOR/WALL MTD
	JUNCTION BOX – MOUNT 18" AFF, UNO
	DUPLEX OUTLET RECEPTACLE – MOUNT 18" AFF, UNO
	NOMENCLATURE: – "1" DENOTES CIRCUIT NUMBER – TWO NUMBERS SEPARATED BY A SLASH (e.g. 31/33) INDICATES A 2-POLE CIRCUIT TO BE CONNECTED TO POSITIONS 31 AND 33 IN THE PANELBOARD. THREE NUMBERS SEPARATED 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 – "GF" DENOTES GROUND FAULT INTERRUPTING RECEPTACLE – "WR" DENOTES WEATHER RESISTANT RECEPTACLE WITH EXTRA HEAVY DUTY BOX COVER – "EMC" DENOTES OFCI 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 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 NOMENCLATURES: – DENOTES EQUIPMENT NUMBER (REFER TO SCHEDULE) – DENOTES POSITION 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



1 LIGHTING CONTROL DETAIL
E1.0 NOT TO SCALE

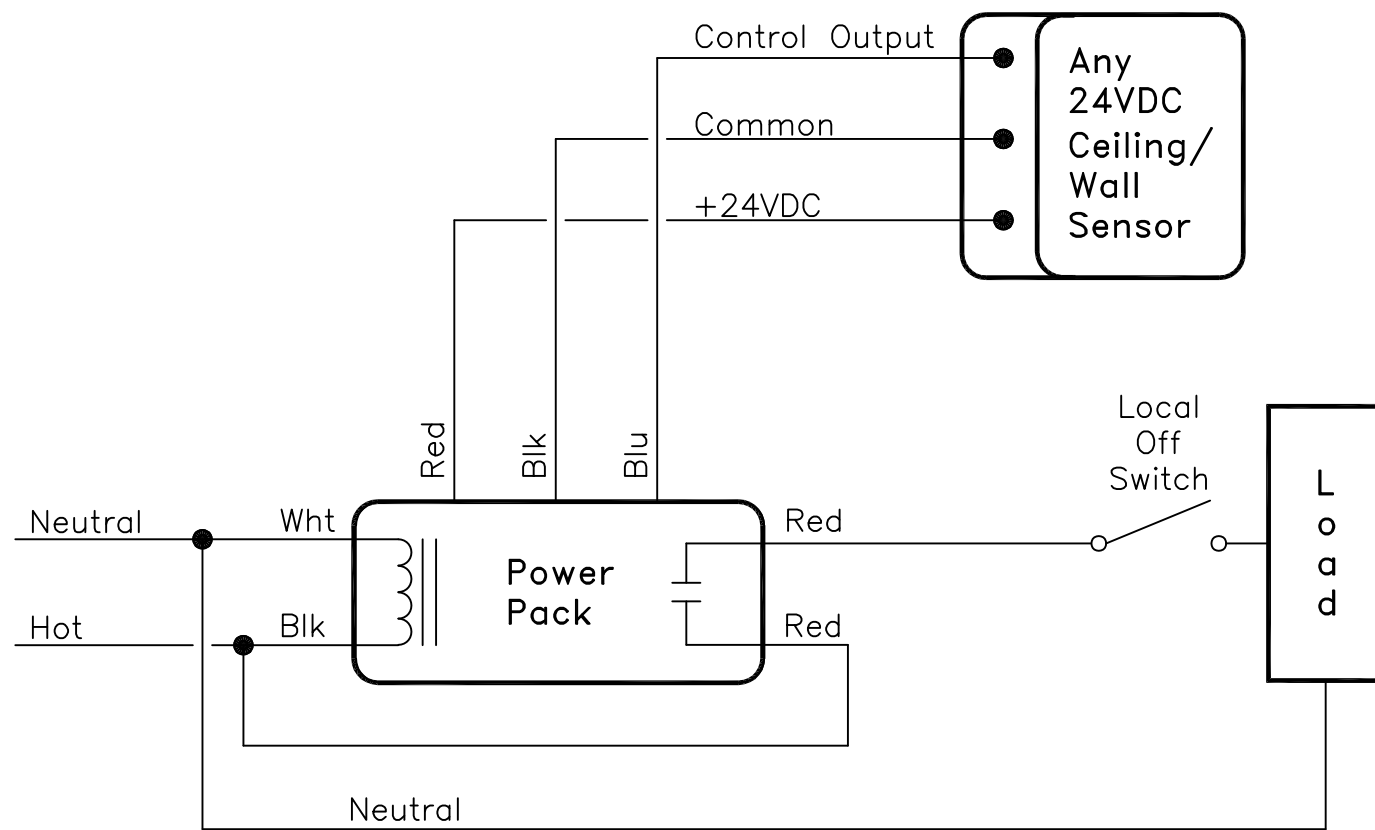


2 PANELBOARD NAMEPLATE DETAIL
E1.0 NOT TO SCALE



- NOTES:
- PROVIDE FLEXIBLE CONDUIT IN ACCORDANCE WITH THE SPECIFICATION.
 - PROVIDE WIRING IN ACCORDANCE WITH EQUIPMENT SCHEDULE.
 - PROVIDE A JUNCTION BOX ADJACENT TO EQUIPMENT.
 - CONNECT TO INTEGRAL DISCONNECT SWITCH OR CONTROL PANEL IN UNIT.

4 EQUIPMENT CONNECTION DETAIL
E1.0 NOT TO SCALE

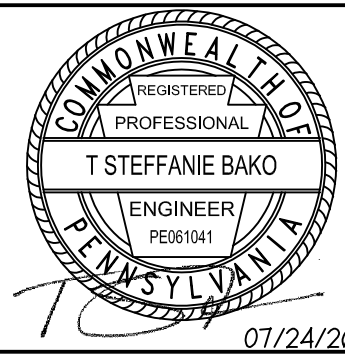


5 TYPICAL CEILING MOUNTED OCCUPANCY
SENSOR DETAIL – SINGLE CIRCUIT
E1.0 NOT TO SCALE

TOWER ENGINEERING

115 Evergreen Heights Drive, Suite 400, Pittsburgh, Pennsylvania 15229-1346
412.201.8888 • Fax: 412.535.5251 • www.towereng.com

Project No: 2021223



DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT. THE ARCHITECT'S RESPONSIBILITY FOR THE PROJECT IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE PROJECT. THE ARCHITECT IS NOT RESPONSIBLE FOR THE DESIGN OR CONSTRUCTION OF ANY OTHER PROJECTS OR FOR THE SAFETY OF THE PROJECT. THE ARCHITECT'S LIABILITY IS LIMITED TO THE PROJECT. THE ARCHITECT'S LIABILITY IS LIMITED TO THE PROJECT.

© Tusick & Associates Architects, Inc.

TAA
Tusick & Associates Architects, Inc.
123 3rd Street, Blawnox, PA 15338
Voice: 412-781-8896, Email: info@tusickarchitects.com

DRAWN BY	CHECKED BY	DATE ISSUED	DATE PRINTED
JVM	TSB	07/24/26	07/24/26
ELECTRICAL LEGEND AND DETAILS			
HACP NVH - Family Recreational Area 525 Mt Pleasant Road, Pittsburgh, PA 15214			

SHEET NUMBER:

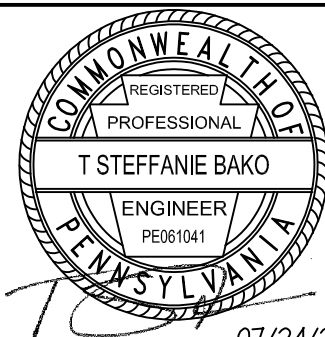
E1.0

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.

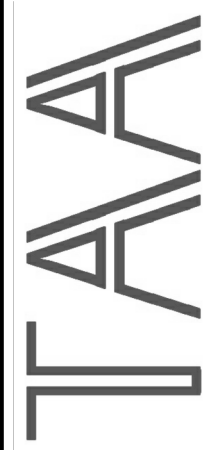
CODED NOTES: (THIS DRAWING)

- 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.
③ PROVIDE MANUAL OVERRIDE SWITCHES AND POWER PACKS FOR MEN'S AND WOMEN'S BATHROOMS IN ACCORDANCE WITH DETAIL 5/E001.



DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE THE PROPERTY OF TUSICK & ASSOCIATES ARCHITECTS, INC. AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF TUSICK & ASSOCIATES ARCHITECTS, INC. THE ARCHITECT ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE CLIENT. THE ARCHITECT IS NOT RESPONSIBLE FOR THE DESIGN OF THE 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	
1.	8/7/2024 REVISED FOR PERMIT
2.	7/24/2026 REVISED FOR BIDDING

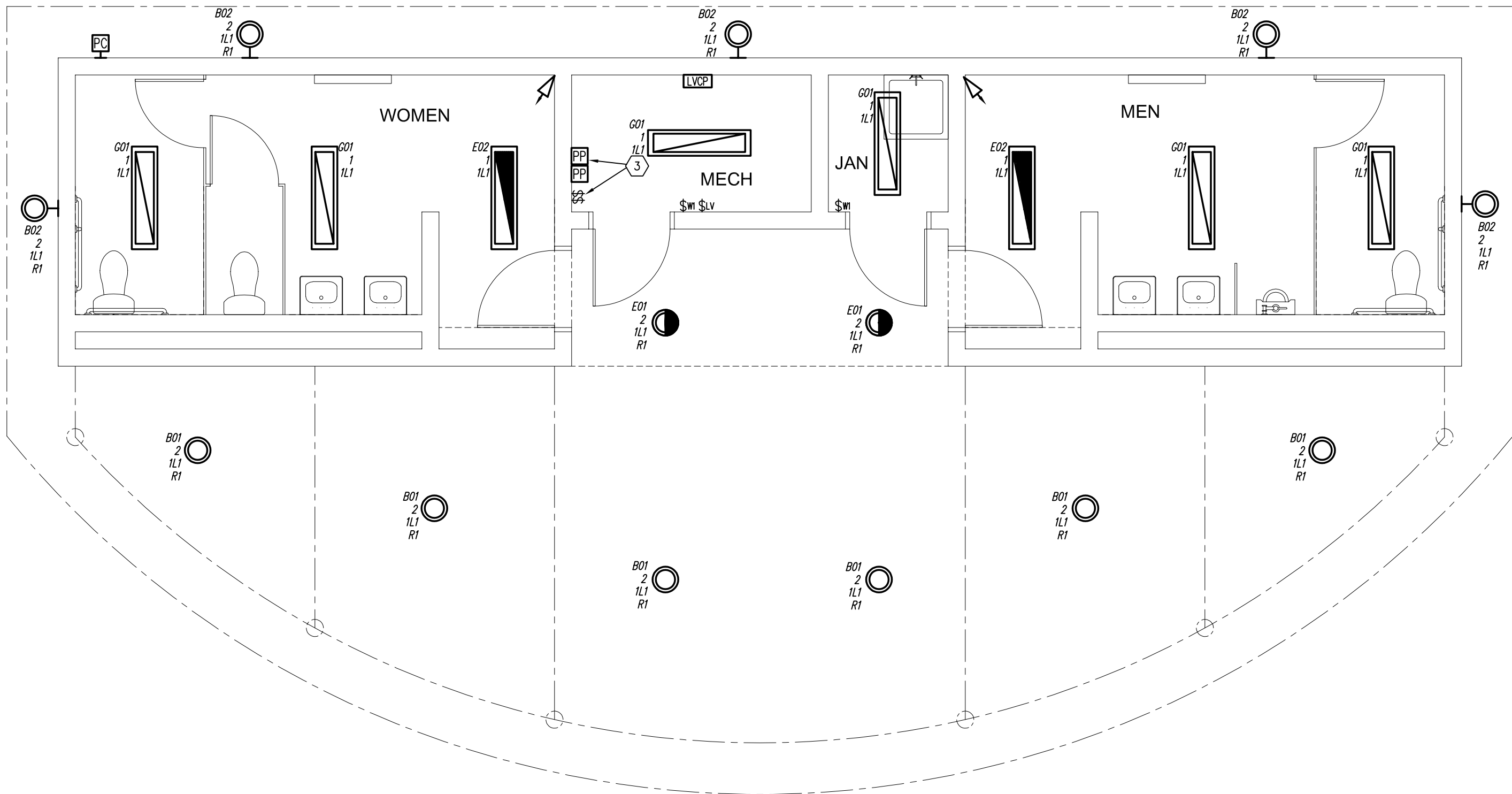
DRAWN BY	CHECKED BY	DATE ISSUED	DATE PRINTED
		07/24/26	07/24/26

ELECTRICAL FLOOR PLANS

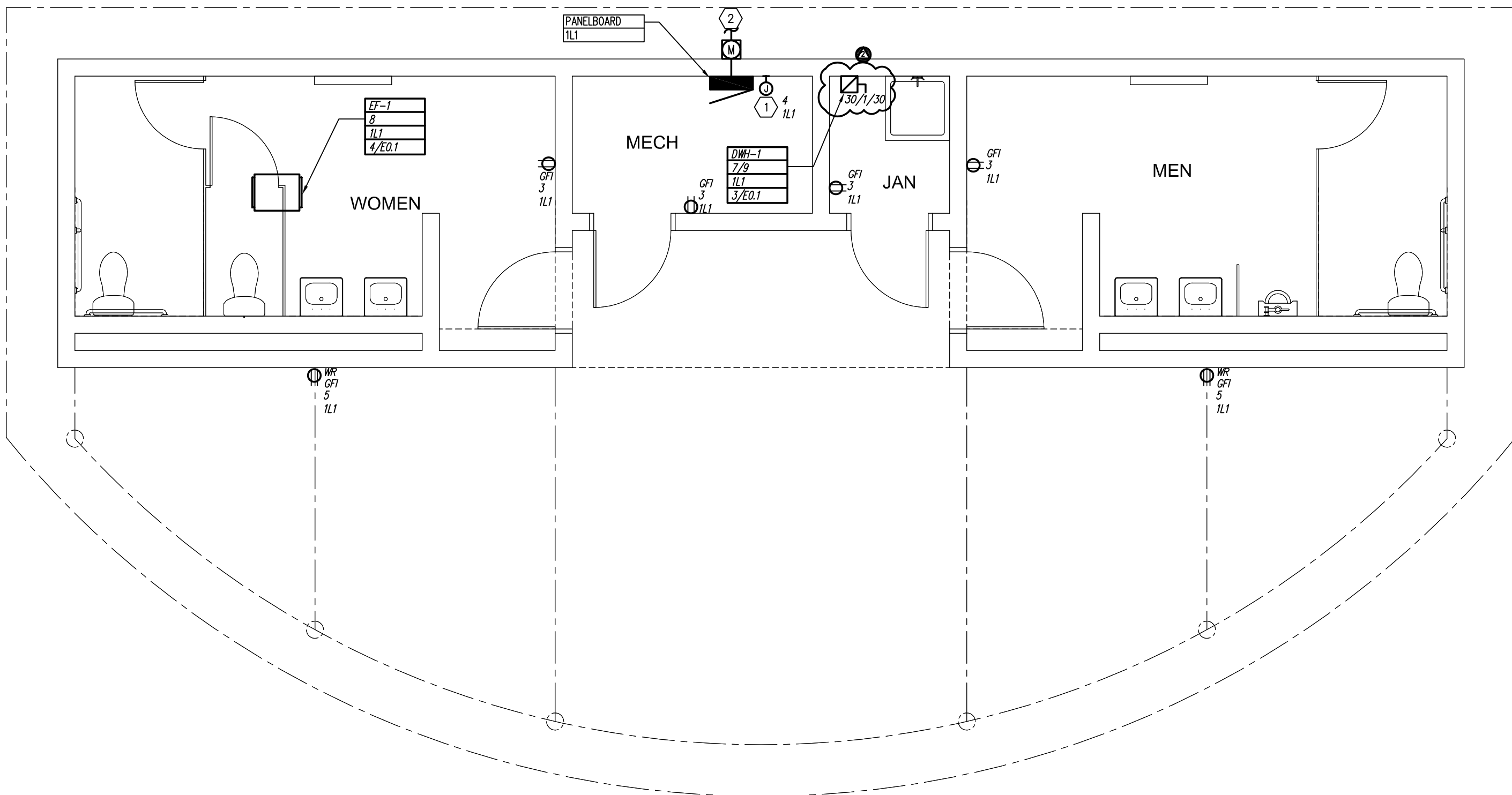
HACP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214

SHEET NUMBER:

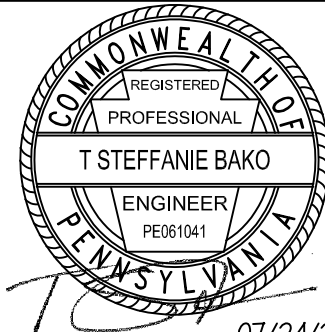
E1.1



1 LIGHTING PLAN
E1.1 SCALE: 1/4" = 1'-0"



2 POWER AND SYSTEMS PLAN
E1.1 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 REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT. THE ARCHITECT SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE ARCHITECT SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE ARCHITECT SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

© Tusick & Associates Architects, Inc.



Tusick & Associates Architects, Inc.

123 3rd Street, Blawnox, PA 15238

Voice: 412-781-8896, Email: info@tusickarchitects.com

REVISIONS	
1.	8/7/2024 REVISED FOR PERMIT
2.	7/24/2026 REVISED FOR BIDDING

DRAWN BY	JVM
CHECKED BY	TSB
DATE ISSUED	07/24/26
DATE PRINTED	07/24/26

ELECTRICAL SCHEDULES

HACP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214

SHEET NUMBER:

E1.2

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 POLYCARBONATE LENS.	COLOR SELECTED BY ARCHITECT	CEILING MOUNTED	LUMINAIRE KENALL FAIL SAFE	APX13 MR13FFL TRF15	LED (2000 LUMENS)	LED 0-10V	24W	120V	EXTERIOR (CANOPY)	
B02	13" DIAMETER LOW PROFILE ARCHITECTURAL HIGH ABUSE LED WITH MARINE GRADE HOUSING AND UV-STABILIZED, HIGH IMPACT RESISTANT, INJECTION MOLDED POLYCARBONATE LENS.	COLOR SELECTED BY ARCHITECT	SURFACE	LUMINAIRE KENALL FAIL SAFE	APX13 MR13FFL TRF15	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 POLYCARBONATE LENS. PROVIDE WITH BATTERY BACKUP DEVICE.	COLOR SELECTED BY ARCHITECT	CEILING MOUNTED	LUMINAIRE KENALL FAIL SAFE	APX13 MR13FFL TRF15	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	LUMINAIRE KENALL FAIL SAFE	VPF8 MLH48 HVL8	LED (5000 LUMENS)	LED 0-10V	49W	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	LUMINAIRE KENALL FAIL SAFE	VPF8 MLH48 HVL8	LED (5000 LUMENS)	LED 0-10V	49W	120V	BATHROOMS	
SITE LIGHTING FIXTURES											
S01	LOW PROFILE, POST TOP LUMINAIRE WITH ASYMMETRIC FORWARD THROW DISTRIBUTION IN DIE-CAST ALUMINUM HOUSING. PROVIDE 4" ROUND ALUMINUM POLE.	COLOR SELECTED BY ARCHITECT	POST TOP MOUNT ON 4" ROUND 10'-0" HIGH ALUMINUM POLE WITH 6" BASE	LITHONIA LSI INVUE	RADEAN OPS LXS	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 CRP 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.	AØ	BØ	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	3000	40A/2P	7	*	*	8	20A/1P	696	WOMEN	EF-1
MULTI-POLE*		3000	20A/1P	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) - AØ			4.80						TOTAL CONNECTED LOAD (KW)		
CONNECTED LOAD (KW) - BØ			4.92						TOTAL CONNECTED LOAD (AMPS)		
									40		

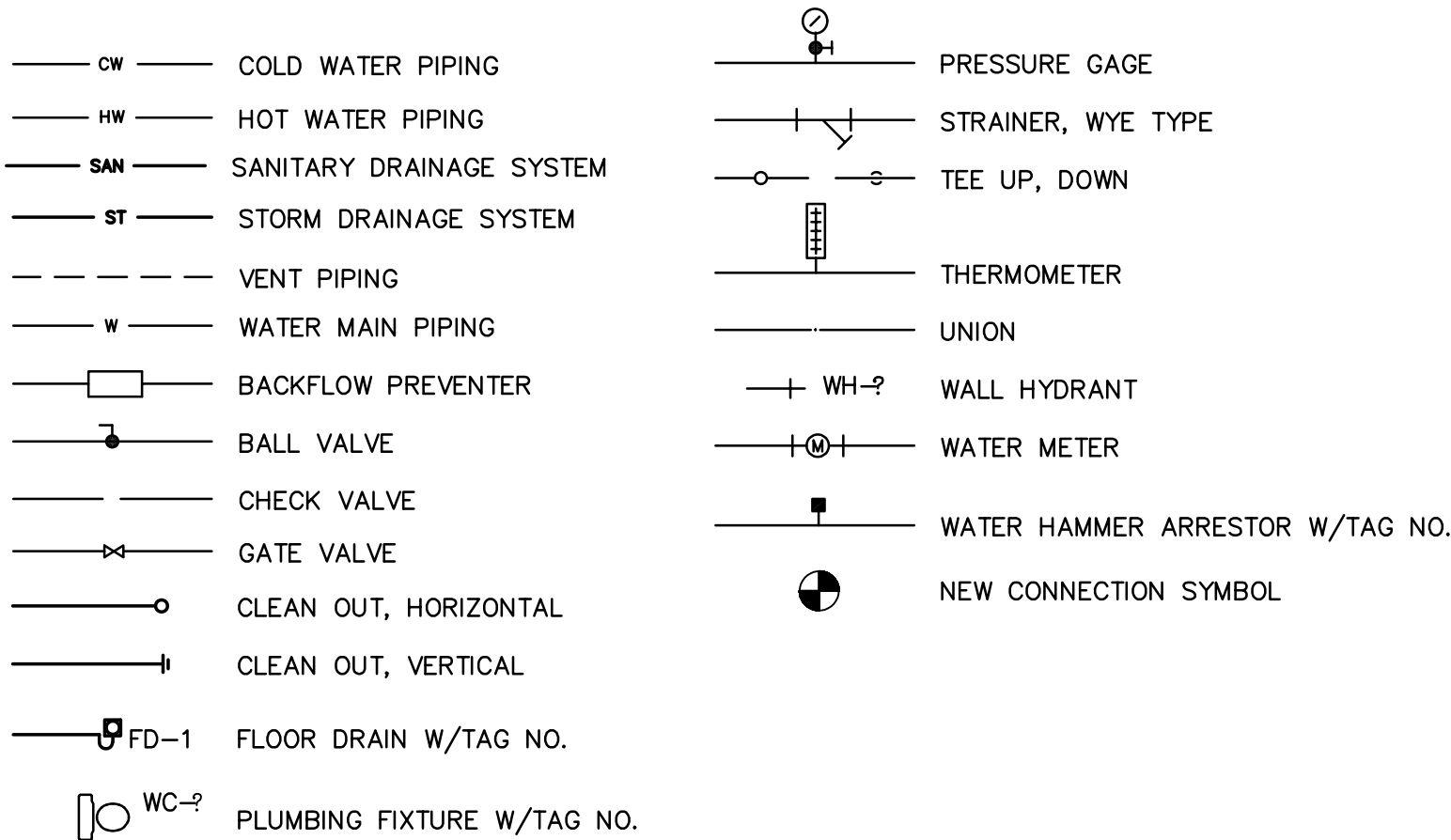
PROGRAMMABLE LOW VOLTAGE LIGHTING CONTROL RELAY SCHEDULE					
RELAY TAG	ROOMS/LIGHTS CONTROLLED	CONNECT TO		REMARKS	
		PANEL	CIRCUIT		
R1	EXTERIOR BLDG LTG	1L1	2	PHOTOCELL AND SWITCH CONTROLLED	
R2	POLE SITE LIGHTING	1L1	6	PHOTOCELL AND SWITCH CONTROLLED	
R3	SPARE				
R4	SPARE				
	</				

MECHANICAL EQUIPMENT SCHEDULE											
EQUIPMENT TAG	DESCRIPTION	LOAD	VOLTAGE & PHASE	BRANCH CIRCUIT PROTECTION TRIP	SETS	BRANCH CIRCUIT SIZE AND TYPE					
						CONDUIT		CONDUCTORS			GROUND
						SIZE	TYPE	NO.	SIZE	TYPE	
DWH-1	DOMESTIC WATER HEATER	6 KW	208V,1Ø,2W	40A/2P	1	1"	EMT	2	8AWG	CU THWN	10AWG CU THWN
EF-1	EXHAUST FAN	1/4 HP	120V,1Ø,2W	20A/1P	1	3/4"	EMT	2	12AWG	CU THWN	12AWG CU THWN

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. 1/2" CW TO EACH FLOOR DRAIN..
- AC. PROVIDE 1/2" CW BRANCH CONNECTION WITH ISOLATION BALL VALVE TO EACH TRAP PRIMER.
- AD. PROVIDE ASSE 1070 THERMOSTATIC MIXING VALVES BELOW ALL LAVATORIES.

PLUMBING LEGEND



PLUMBING ABBREVIATIONS

AP	ACCESS PANEL	HC	HEATING CONTRACTOR
BFP	APPROXIMATELY	HW	HOT WATER
CLG	BACKFLOW PREVENTER	ID	INSIDE DIAMETER
CO	CEILING	INV	INVERT
CTB	CLEANOUT	L OR LAV	LAVATORY
CW	CONCRETE THRUST BLOCK	MB	MOP BASIN
DF	COLD WATER	PC	PLUMBING CONTRACTOR
DIA	DRINKING FOUNTAIN	PRESS	PRESSURE
DS	DIAMETER	PRV	PRESSURE REDUCING VALVE
DWG	DOWNSPOUT	PVC	POLY VINYL CHLORIDE
DWH	DRAWING	PSI	POUNDS PER SQUARE INCH
EA	DOMESTIC WATER HEATER	RPZ	REDUCED PRESSURE ZONE
EC	EACH	RWC	RAIN WATER CONDUCTOR
ELEV	ELEVATION	SAN	SANITARY
FAI	FRESH AIR INLET	SPEC	SPECIFICATION
FD	FLOOR DRAIN	S/S	STAINLESS STEEL
FT	FEET/FOOT	ST	STORM
GC	GENERAL CONTRACTOR	TEMP	TEMPERATURE
GPM	GALLONS PER MINUTE	U	URINAL
		V	VENT
		VTR	VENT THRU ROOF
		WC	WASTE
		WH	WATER CLOSET
		WHA	WALL HYDRANT
			WATER HAMMER ARRESTOR

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, WITH ASSE 1070 THERMOSTATIC MIXING VALVE BELOW
L-2	1/2"	1/2"	1 1/2"	1 1/2"	WALL-HUNG LAVATORY W/ DECK MOUNTED METERED FAUCET, ADA COMPLIANT. ASSE 1070 THERMOSTATIC MIXING VALVE BELOW
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	----	----	4"	2"	FLOOR W/ FLUSH STRAINER AND TRAP PRIMER.
FD-2	----	----	4"	2"	FLOOR W/ RECESSED LIP STRAINER AND TRAP PRIMER.

WATER HEATER SCHEDULE

TAG No.	STORAGE (GAL)	DELIVERY TEMP (°F)	RECOVERY GPH	ΔT	ELECTRICAL VOLT/PH/HZ	KW	CONNECTION		REMARKS
							IN	OUT	
DWH-1	20	140°	12	100°	208/1/60	3	1"	1"	ELECTRIC WATER HEATER BASED ON A.O. SMITH DEL-20

EXPANSION TANK SCHEDULE

TAG No.	LOCATION	SERVICE	CAP. (GAL)	SIZE (INCHES) DIA.	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"

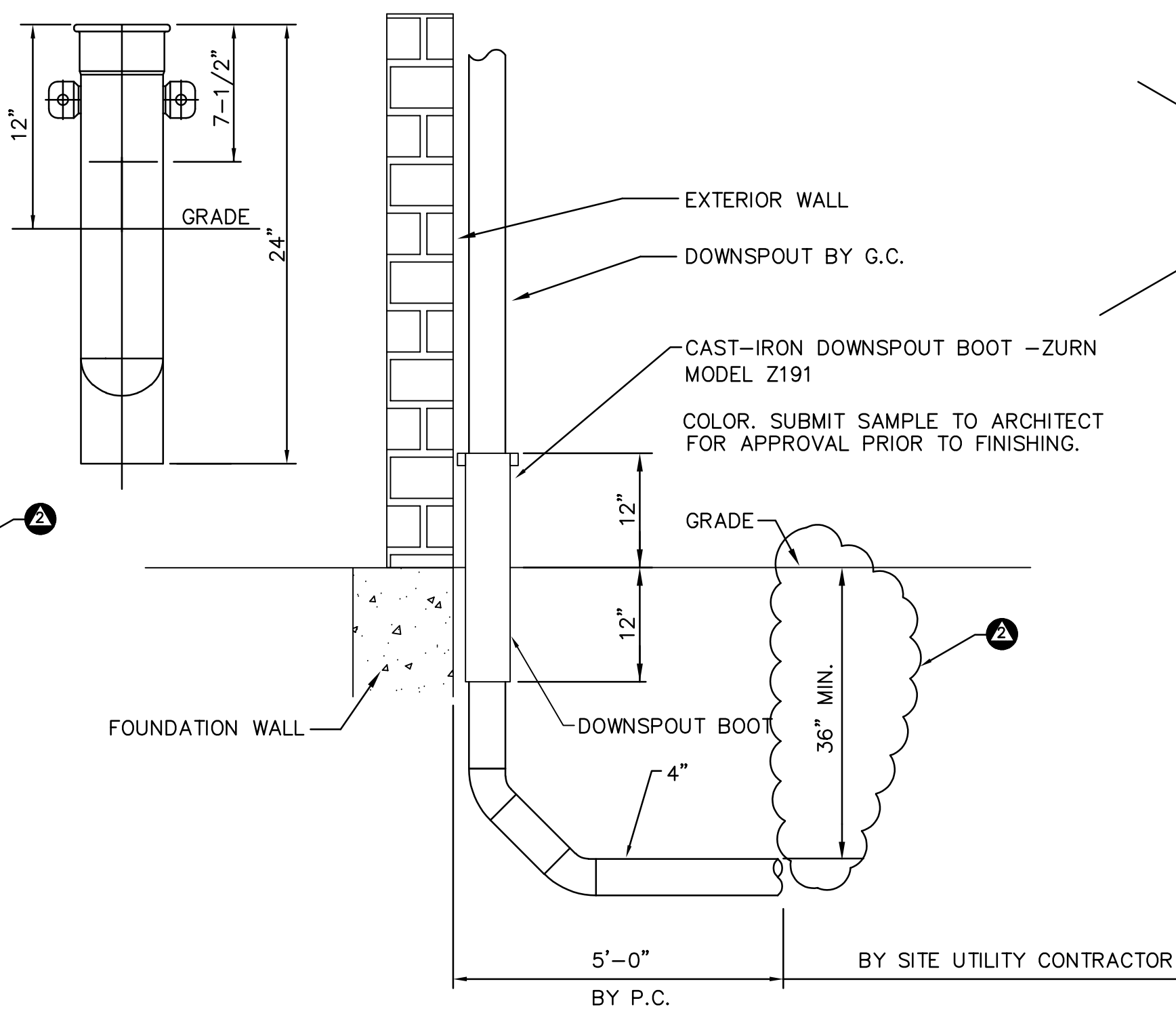
* PLUMBING AND DRAINAGE INSTITUTE STANDARD PDI-WH-201.

FLOOR DRAIN TRAP PRIMER DETAIL

NO SCALE

NOTES:

- TRAP PRIMER SHALL USED TO SERVE SINGLE AND MULTIPLE TRAPS. MULTIPLE BEING SERVE WITH ADD-ON DISTRIBUTION UNIT.
- 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)
- ALL INACCESSIBLE PIPING, SUCH AS BURIED IN CONCRETE, SHALL BE PEX TUBING WITH MECHANICAL CONNECTIONS. ALL OTHER PIPING SHALL BE HARD COPPER.

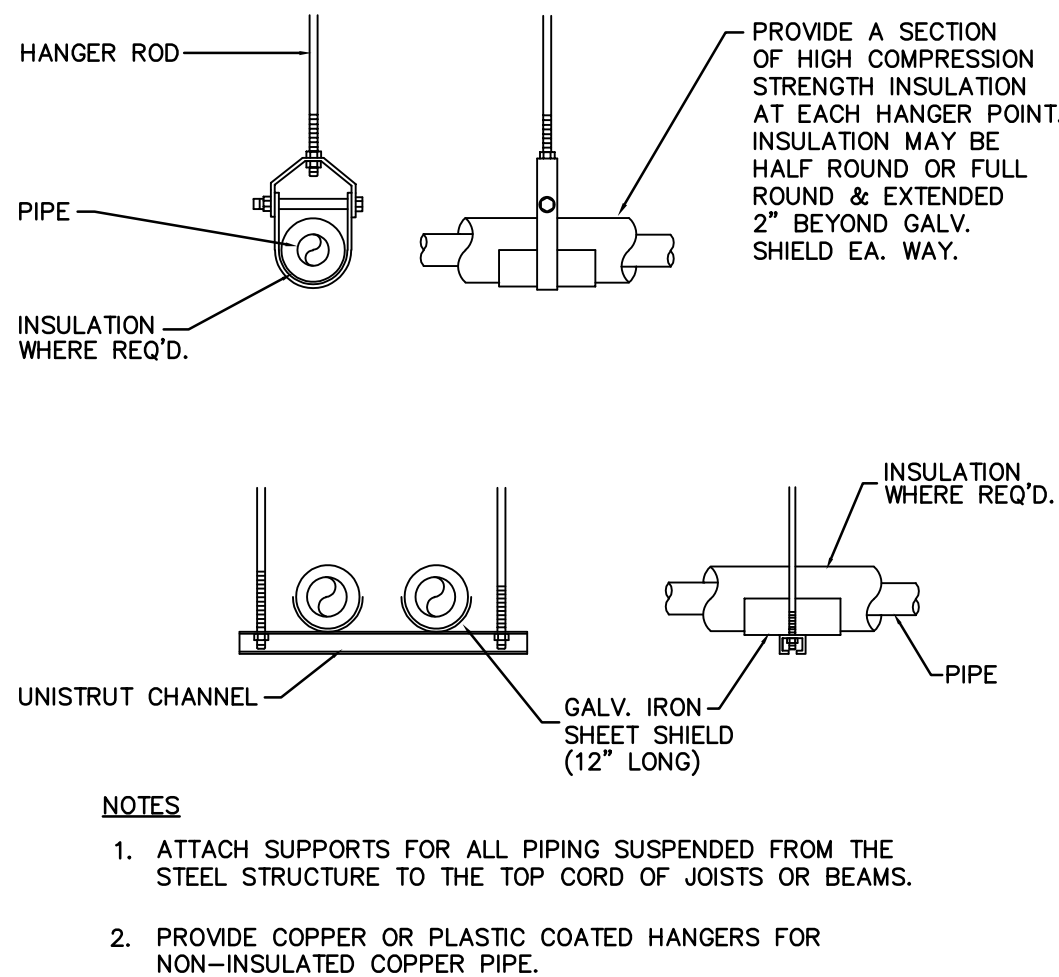


DOWNSPOUT BOOT DETAIL DSB-1

NO SCALE

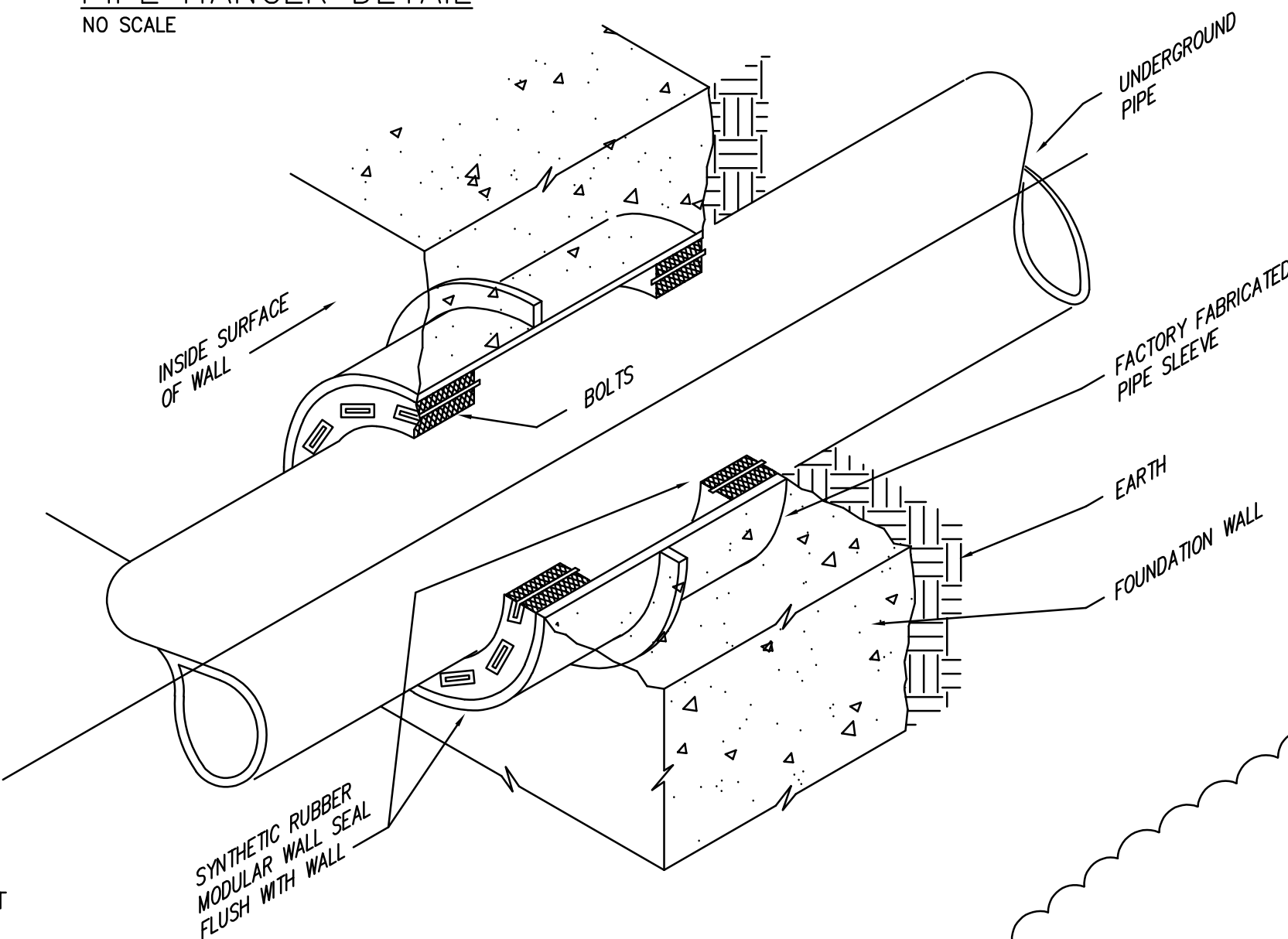
PIPE HANGER DETAIL

NO SCALE



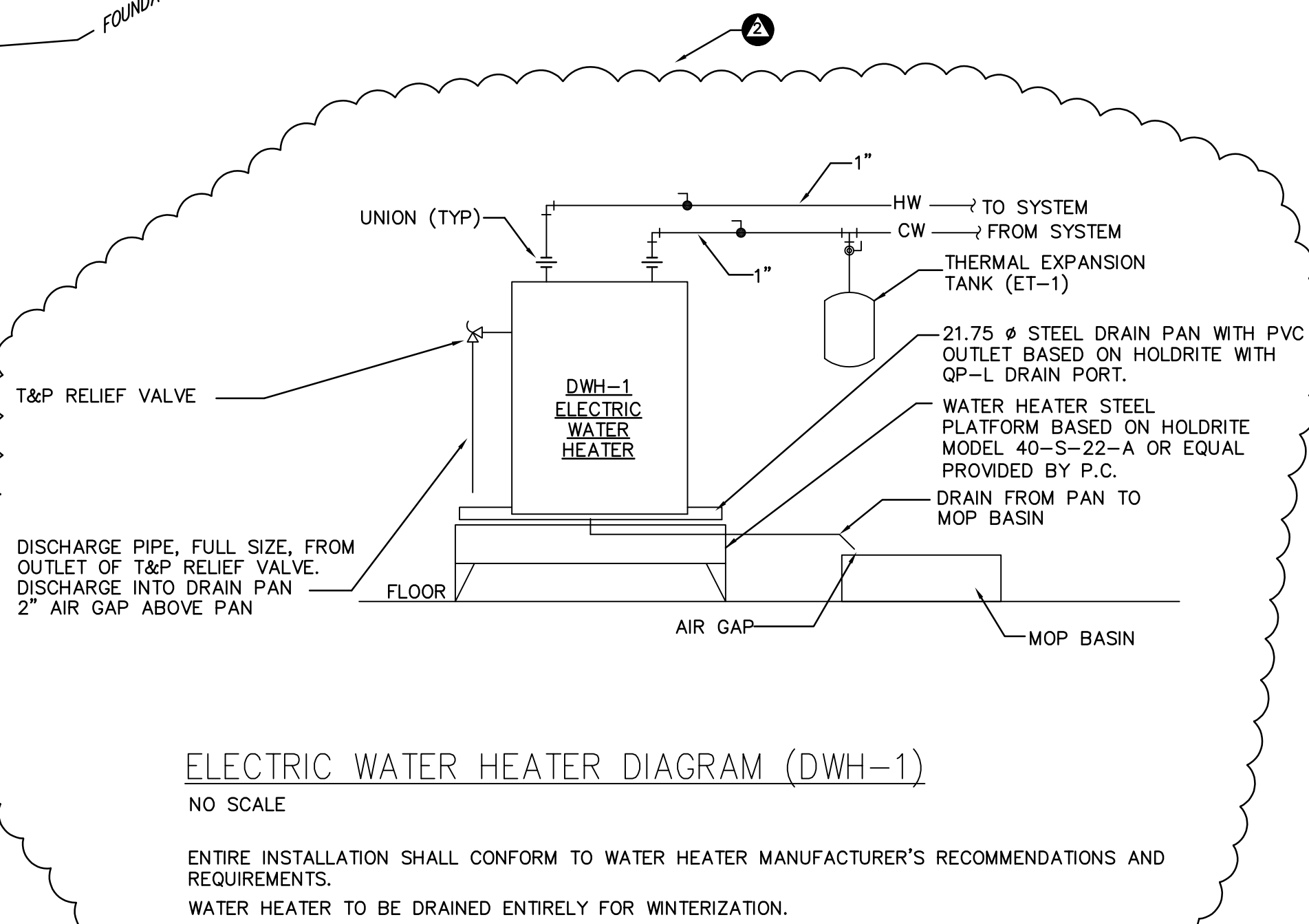
BELOW GRADE PIPE SEAL DETAIL

NO SCALE



ELECTRIC WATER HEATER DIAGRAM (DWH-1)

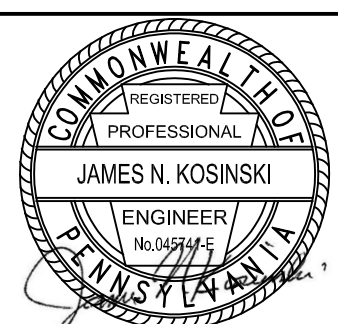
NO SCALE



TOWER
ENGINEERING

115 Evergreen Heights Drive, Suite 400, Pittsburgh, Pennsylvania 15226-1346
412.891.8888 • Fax: 412.898.9293 • www.towereng.com

Project No: 2021223



DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY ARE TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. ANY REUSE, REPRODUCTION, OR MODIFICATION OF THESE DRAWINGS WITHOUT THE WRITTEN CONSENT OF TUSICK & ASSOCIATES ARCHITECTS, INC. IS STRICTLY PROHIBITED. THE ARCHITECT ASSUMES NO RESPONSIBILITY 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

- 8/7/2024 REVISED FOR PERMIT
- 7/24/2026 REVISED FOR BIDDING

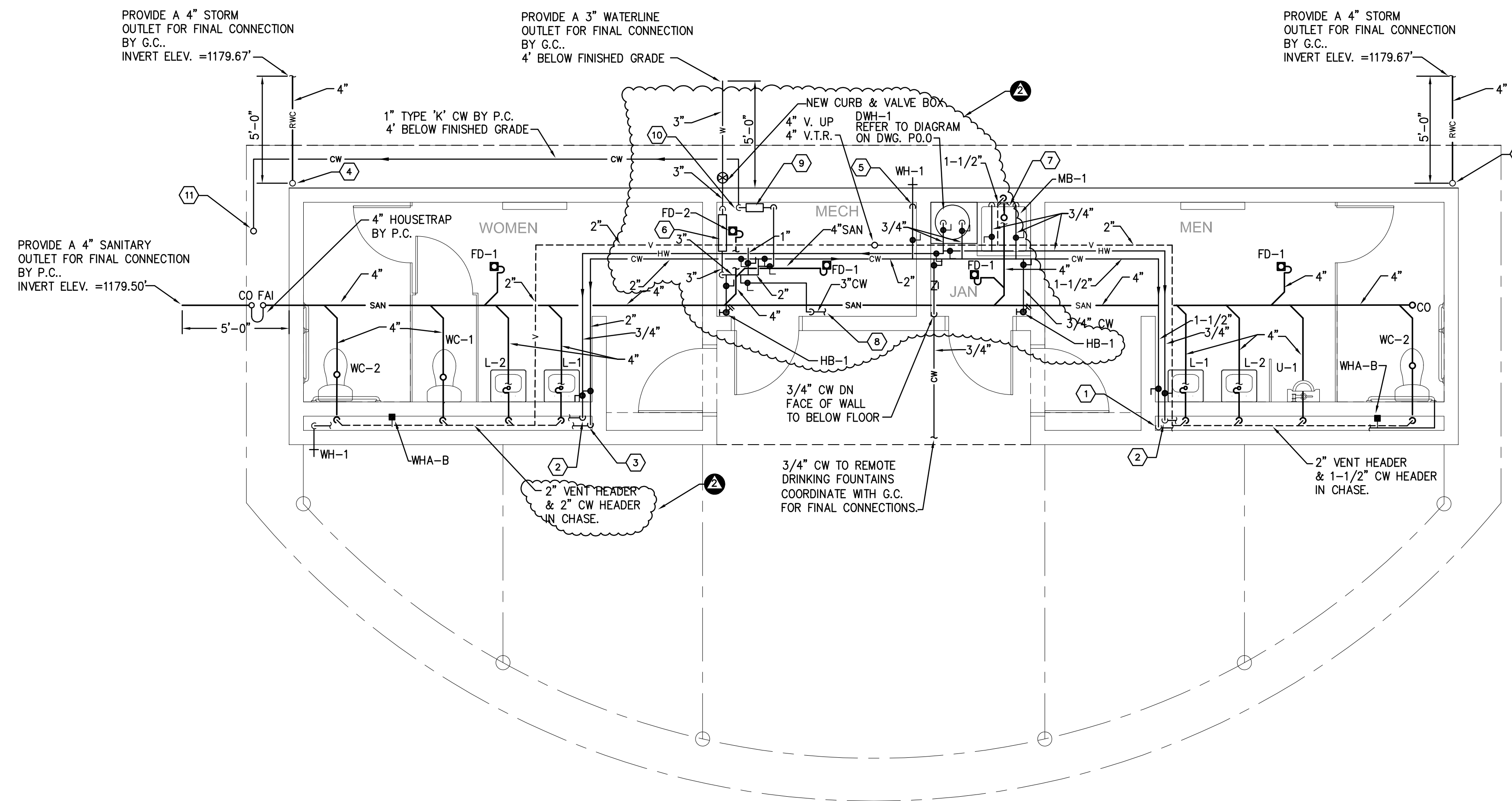
PLUMBING DETAILS & SCHEDULE

DRAWN BY: TRZ
CHECKED BY: TRZ
DATE ISSUED: 07/24/26
DATE PRINTED: 07/24/26

HACP NVH - Family Recreational Area
525 Mt Pleasant Road,
Pittsburgh, PA 15214

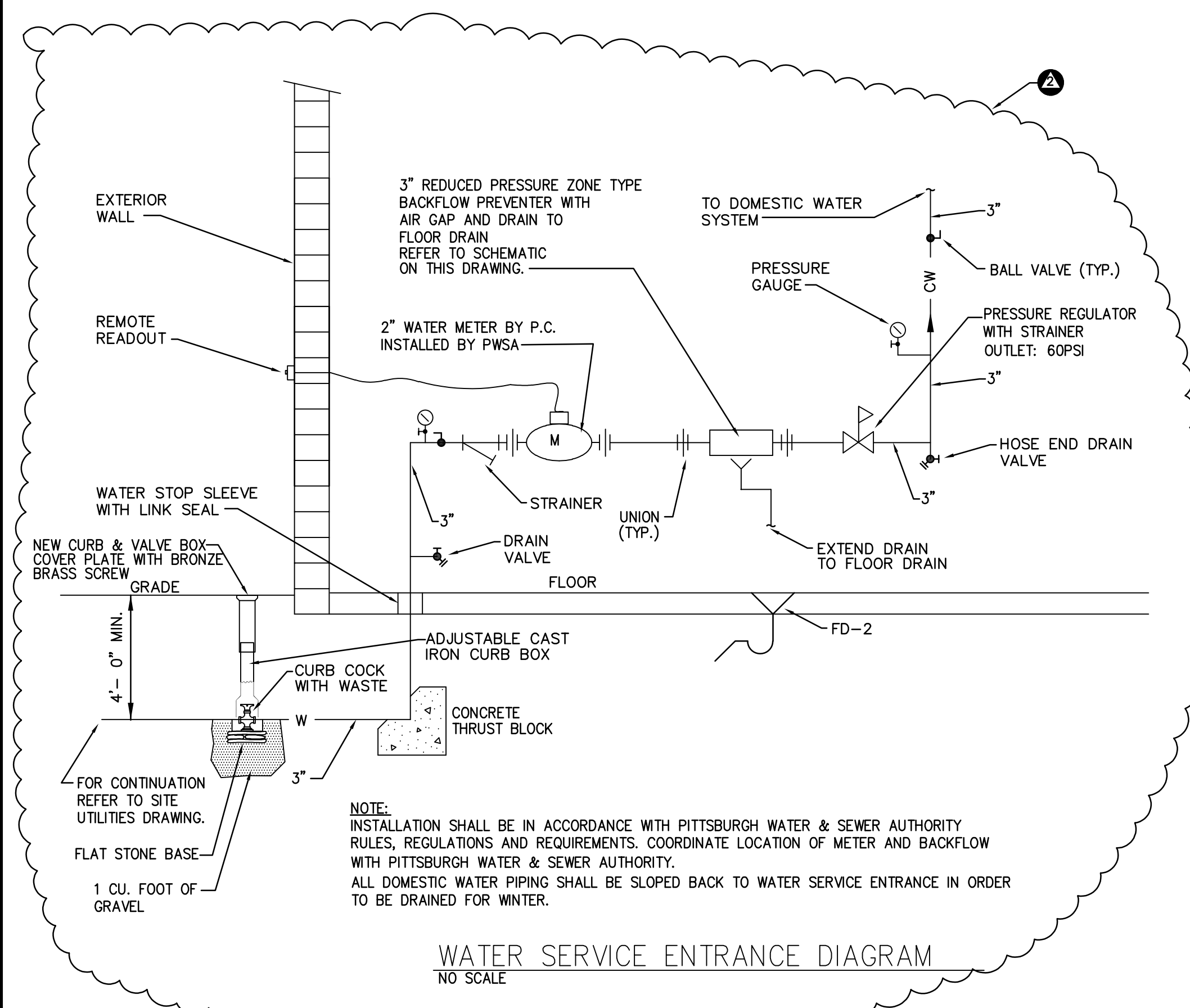
SHEET NUMBER:

P0.0



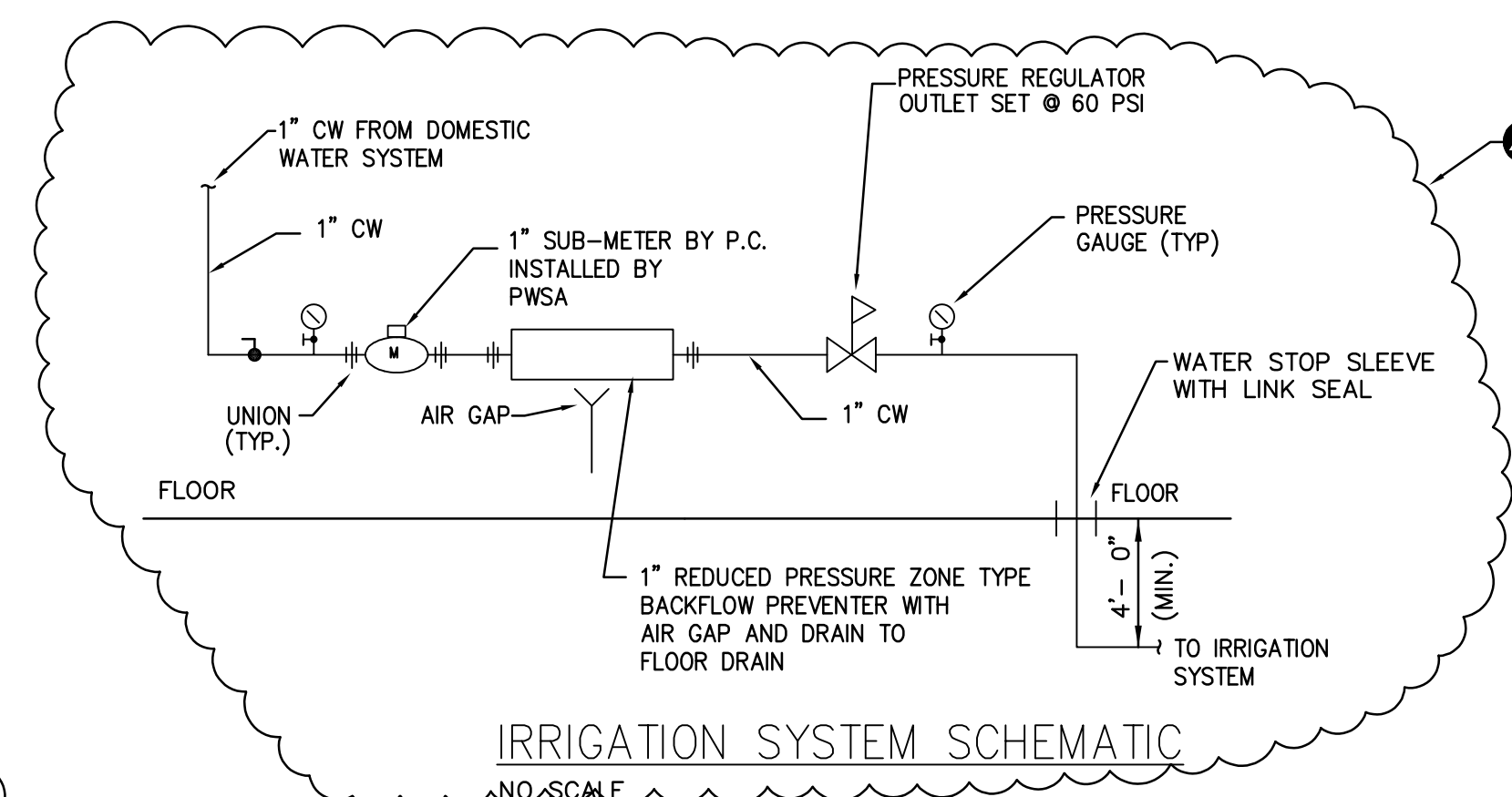
FIRST FLOOR PLAN

SCALE: 1/4" = 1'-0'



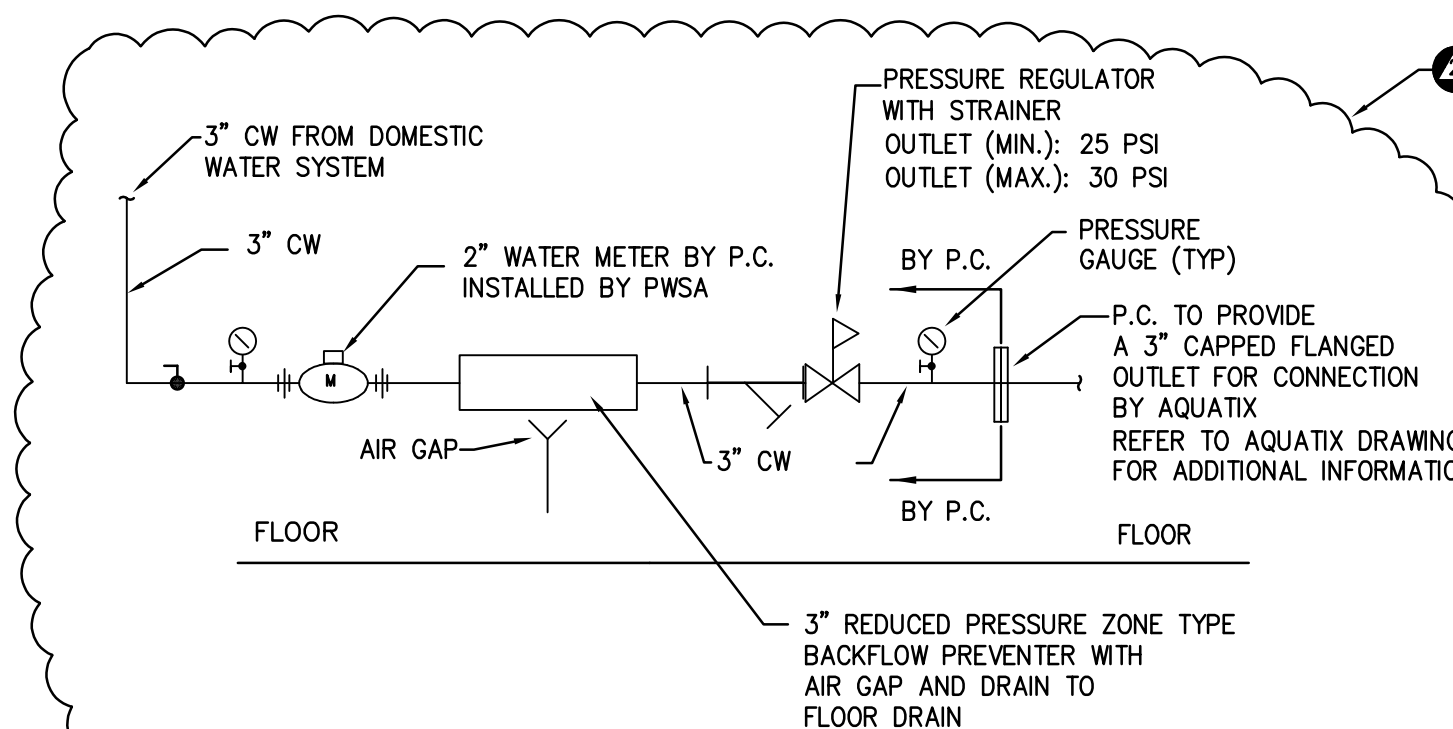
WATER SERVICE ENTRANCE DIAGRAM

NO SCALE



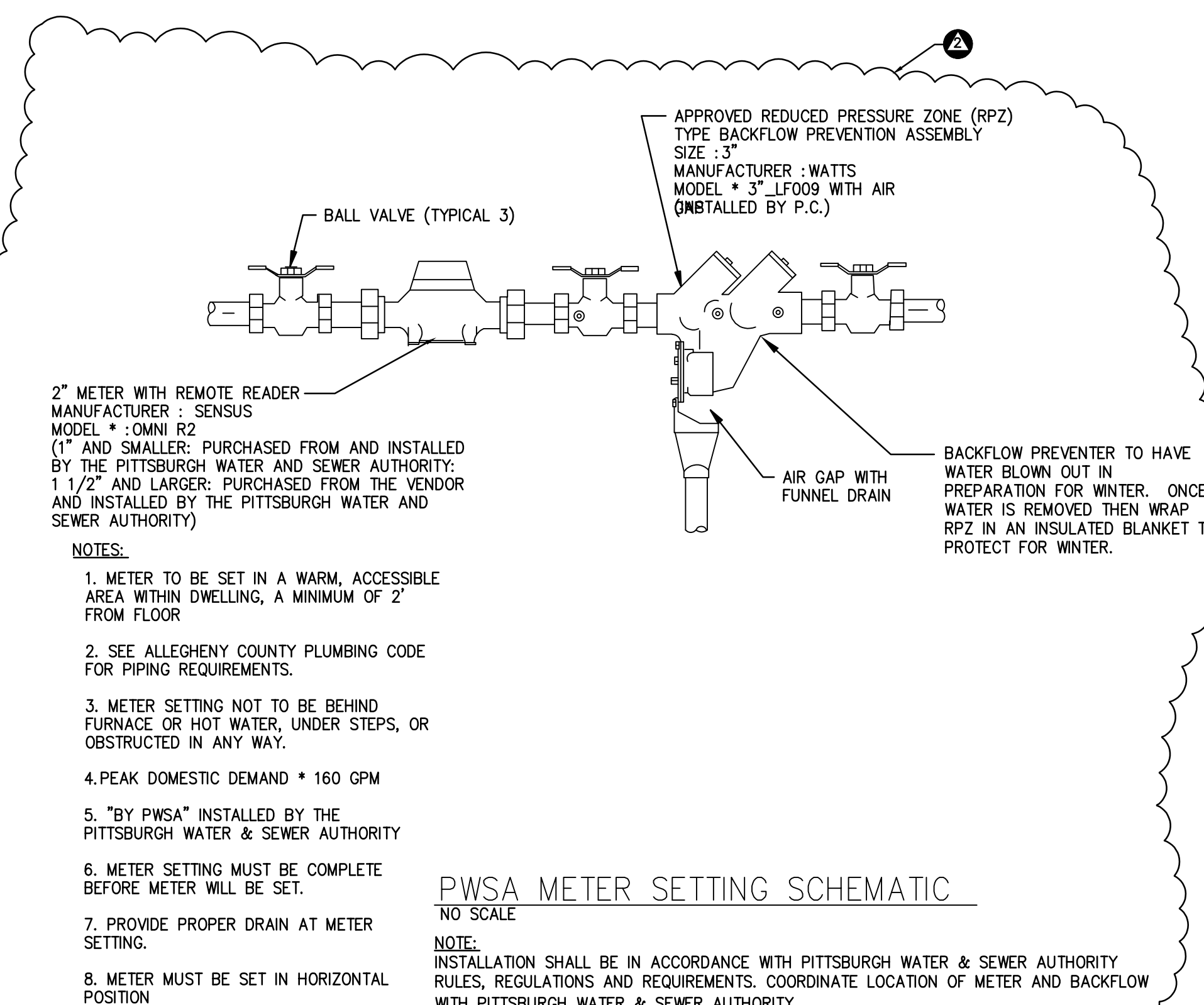
IRRIGATION SYSTEM SCHEMATIC

^NO^SCALE



CITY WATER DISTRIBUTION SCHEMATIC
(SPLASHPAD WATER EQUIPMENT)

NO SCALE



PWSA METER SETTING SCHEMATIC

NO SCALE

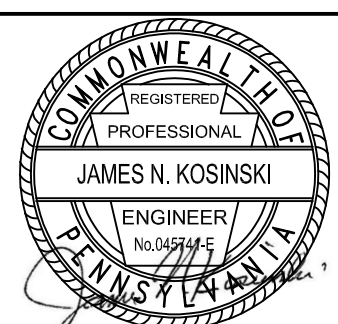
NOTE:
INSTALLATION SHALL BE IN ACCORDANCE WITH PITTSBURGH WATER & SEWER AUTHORITY
RULES, REGULATIONS AND REQUIREMENTS. COORDINATE LOCATION OF METER AND BACKFLOW
WITH PITTSBURGH WATER & SEWER AUTHORITY.

CODED NOTES: (THIS DRAWING)

- ① 1-1/2" CW DN IN CHASE TO SERVE FIXTURES. PROVIDE 1" CW TO EACH WATER CLOSET, 3/4" CW TO URINAL AND 1/2" CW TO EACH LAVATORY.
- ② 3/4" HW DN IN CHASE TO SERVE FIXTURES. PROVIDE 1/4" HW TO EACH LAVATORY. PROVIDE ASSE 1070 THERMOSTATIC MIXING VALVE BELOW EACH LAVATORY.
- ③ 2" CW DN IN CHASE TO SERVE FIXTURES. PROVIDE 1" CW TO EACH WATER CLOSET, 3/4" CW TO WALL HYDRANT AND 1/2" CW TO EACH LAVATORY.
- ④ CONTRACTOR TO PROVIDE A 4" CAST-IRON DOWNSPOUT BOOT DSB-1.
- ⑤ 3/4" 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 3/4" 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 3" FLANGED CAPPED OUTLET FOR USE BY OTHERS.
REFER TO AQUATIX DRAWINGS FOR CONTINUATION AND FINAL CONNECTION.
- ⑨ P.C. TO REFER TO POINT OF CONNECTION SCHEMATIC ON DRAWING 1501 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.

GENERAL NOTE : (MAINTENANCE WINTERIZATION

1. ALL PIPING TO BE SLOPED BACK TO WATER SERVICE IN ORDER TO BE DRAINED FOR WINTERIZATION.
2. ALL WATER LINES SHALL BE PURGED WITH COMPRESSED AIR TO RELEASE ANY WATER IN THE PIPING SYSTEM.
3. WATER HEATER IS TO BE DRAINED WITH HOSE RUNNING TO EXTERIOR OF BUILDING.
4. VACUUM OUT ALL THE WATER FROM SINK TRAPS AND FLOOR DRAIN TRAPS.
5. EMPTY WATER CLOSET BOWLS.
6. ADD RV GRADE POOL ANTI-FREEZE INTO EVERY DRAIN, SINK TRAP AND TOILET BOWL FOR WINTERIZATION.



07/24/26

DRAWINGS & SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE NOT TO BE USED FOR THE CONSTRUCTION OF ANY PROJECTS, EXCEPT BY AGREEMENT IN WRITING WITH APPROPRIATE COMPENSATION TO THE ARCHITECT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND COMPLYING WITH ALL NECESSARY PERMITS, ORDINANCES, AND REGULATIONS. THE ARCHITECT HAS NO RESPONSIBILITY FOR THE SELECTION OF 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.
100 2nd Street, Blouney, PA 15009

123 310 Street, BIAWILUX, PA 15238

FLOOR PLAN & DETAILS - PLUMBING		DRAWN BY TRZ		REVISONS	
HACP NVH - Family Recreational Area 525 Mt Pleasant Road, Pittsburgh, PA 15214		CHECKED BY TRZ		1. 8/7/2024 REVISED FOR PERMIT	
		DATE ISSUED 07/24/26		2. 7/24/2026 REVISED FOR BIDDING	
		DATE PRINTED 07/24/26			
SHEET NUMBER:					

P1.1