

FOSTORIA SPLASHPAD ADA RESTROOM FACILITY AND PUMP HOUSE

524 RIVER STREET
FOSTORIA, OHIO 44830

ARCHITECT & ENGINEER:



LOCATION MAP



2017 OHIO BUILDING CODE REVIEW

SUMMARY:
Building is a public park restroom facility with two single use restrooms and a pump room for splash pad plumbing equipment. Building is designed for ADA accessibility using ICC A117.1 – 2009.

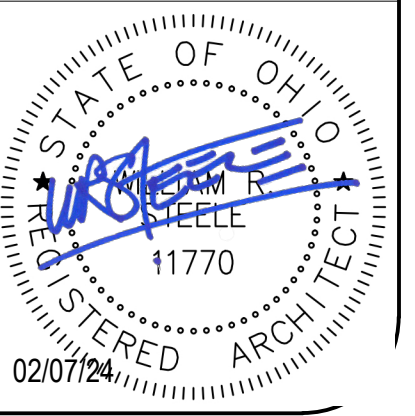
OBC RESEARCH

***USE GROUP:** U, Utility
***BUILDING TYPE:** V-B
 o CMU walls and wood trusses, Combustible construction
***SQUARE FEET:** 388 s.f.
***HEIGHT:** 12'-0"
***STORIES:** ONE
***FIRE SUPPRESSION:** Building is NOT fire suppressed.
***OCCUPANCY:**
 o Restrooms generally do not calculate occupancy loads.
 o Restroom compartments are single use, and large enough for family style with 2 to 3 occupants.
 o Pump room is off limits to general public and may have up to two maintenance personnel during splash pad equipment maintenance.
***ACCESSIBILITY:**
 o Restrooms and designed for Accessibility per ICC A117.1 – 2009.
***ATTIC ACCESS:**
 o Ceiling hatches are designed for each restroom ceiling for access above within trusses.
***PLUMBING:**
 o MEN'S - One Water Closet, One Lavatory
 o WOMEN'S - One Water Closet, One Lavatory
 o Mop Sink included
 o ADA Drinking Fountain included

DRAWING LIST

GENERAL		STRUCTURAL		PLUMBING		ELECTRICAL	
G000	COVER SHEET	S001	STRUCTURAL NOTES	P001	PLUMBING SPECIFICATIONS	E001	ELECTRICAL SPECIFICATION AND LEGEND
G001	TYPICAL ADA DETAILS, NOTES, & LEGENDS	S501	STRUCTURAL TYPICAL DETAILS	P101	PLUMBING PLAN	E002	ELECTRICAL LEGEND, SCHED, DIAGRAMS, DETAILS
				P201	OVERALL SPLASH PAD ISOMETRIC	E101	ELECTRICAL POWER AND LIGHTING FLOOR PLAN
				P202	SPLASH PAD FEATURE IDENTIFICATION	E102	ELECTRICAL POWER AND LIGHTING SITE PLAN
				P203	SPLASH PAD FEATURE LOCATION DIMENSIONS		
				P204	SPLASH PAD FEATURE SUPPLY PIPING		
				P205	SPLASH PAD FEATURE RETURN PIPING		
				P206	SPLASH PAD FEATURE PIPING DETAILS		
				P207	SPLASH PAD FEATURE PIPING DETAILS		
				P208	SPLASH PAD FEATURE PIPING DETAILS		
				P209	SPLASH PAD FEATURE PIPING DETAILS		
CIVIL		ARCHITECTURAL		MECHANICAL			
C-01	EXISTING CONDITIONS PLAN	A001	SPECIFICATIONS	M001	HVAC SPECIFICATIONS & SCHEDULES		
C-01A	PRELIMINARY MASS GRADING PLAN	A100	PLANS	M101	HVAC FLOOR PLAN		
C-02	SITE, UTILITY & GRADING PLAN	A200	SECTIONS AND EXTERIOR ELEVATIONS				
C-03	UTILITY PROFILES	A500	DETAILS				
C-04	SPLASH PAD DETAILS	A501	DOORS, WINDOWS AND ROOM FINISHES				
C-05	SPLASH PAD DETAILS						
C-06	LANDSCAPE PLAN						
C-07	SITE NOTES & DETAILS						
C-08	SITE NOTES & DETAILS						

DATE	DESCRIPTION
12/05/2023	ISSUED FOR OWNER REVIEW
02/05/2024	ISSUED FOR ODNR REVIEW
02/23/2024	ISSUED FOR BUILDING PERMITS
03/01/2024	ISSUED FOR BIDDING



ACCESSIBILITY & ROOM SIGNAGE

RAISED AND BRAILLED CHARACTERS AND PICTORIAL SYMBOL SIGNS (PICTORGRAMS):

- LETTERS AND NUMERALS SHALL BE RAISED 1/32" MIN. ABOVE THEIR BACKGROUND
- CHARACTERS SHALL BE UPPER CASE. (BRAILLE - THE INDICATION OF AN UPPERCASE LETTER OR LETTERS SHALL ONLY BE USED BEFORE THE FIRST WORD OF SENTENCES, PROPER NOUNS & NAMES, INDIVIDUAL LETTERS OF THE ALPHABET, INITIALS, OR ACRONYMS)
- CHARACTERS SHALL BE CONVENTIONAL FORM & SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORMS AND MUST BE ACCOMPANIED BY GRADE 2 BRAILLE
- EQUIVALENT WRITTEN DESCRIPTION, IF ANY, MUST BE PLACED DIRECTLY BELOW PICTORGRAM
- PICTORGRAM CAN BE ANY SIZE WITHIN A MINIMUM FIELD OF 6" IN HEIGHT. CHARACTERS OR BRAILLE SHALL NOT BE LOCATED IN THE PICTORGRAM FIELD.

FINISH AND CONTRAST:

- CHARACTERS AND BACKGROUND SHALL HAVE A MATTE OR OTHER NON-GLARE FINISH.
- CHARACTERS MUST CONTRAST WITH BACKGROUND (EITHER LIGHT ON DARK OR DARK ON LIGHT).
- PICTORGRAMS AND THEIR FIELDS SHALL HAVE A NON-GLARE FINISH & MUST CONTRAST WITH THEIR FIELDS (EITHER LIGHT ON DARK OR DARK ON LIGHT).

MOUNTING LOCATION AND HEIGHT:

- MUST BE MOUNTED ON WALL ADJACENT TO THE LATCH SIDE OF THE DOOR (IF AT ALL POSSIBLE) OTHERWISE SHALL COMPLY WITH SECTION 7103.3.1.1.
- MUST BE LOCATED SO THAT A CLEAR FLOOR AREA 18" MIN. BY 18" MIN. CENTERED ON THE RAISED CHARACTERS IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION.
- VISUAL CHARACTERS SHALL BE 48" MIN. ABOVE THE FLOOR OF THE VIEWING POSITION, MEASURED TO THE BASELINE OF THE CHARACTER.
- RAISED CHARACTERS SHALL BE 48" MIN. ABOVE THE FLOOR, MEASURED TO THE BASELINE OF THE LOWEST RAISED CHARACTER AND 60" MAX. ABOVE THE FLOOR, MEASURED TO THE BASELINE OF THE HIGHEST RAISED CHARACTER.
- INSTALL SIGNAGE AT EACH ROOM ADJACENT TO ENTRY DOOR.

CHARACTER WIDTH:

- THE UPPERCASE LETTER "O" SHALL BE USED TO DETERMINE THE ALLOWABLE WIDTH OF ALL CHARACTERS OF A FONT.
- THE WIDTH OF THE UPPERCASE LETTER "O" SHALL BE 55% MIN. AND 110% MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I" OF THE FONT.

CHARACTER STROKE WIDTH:

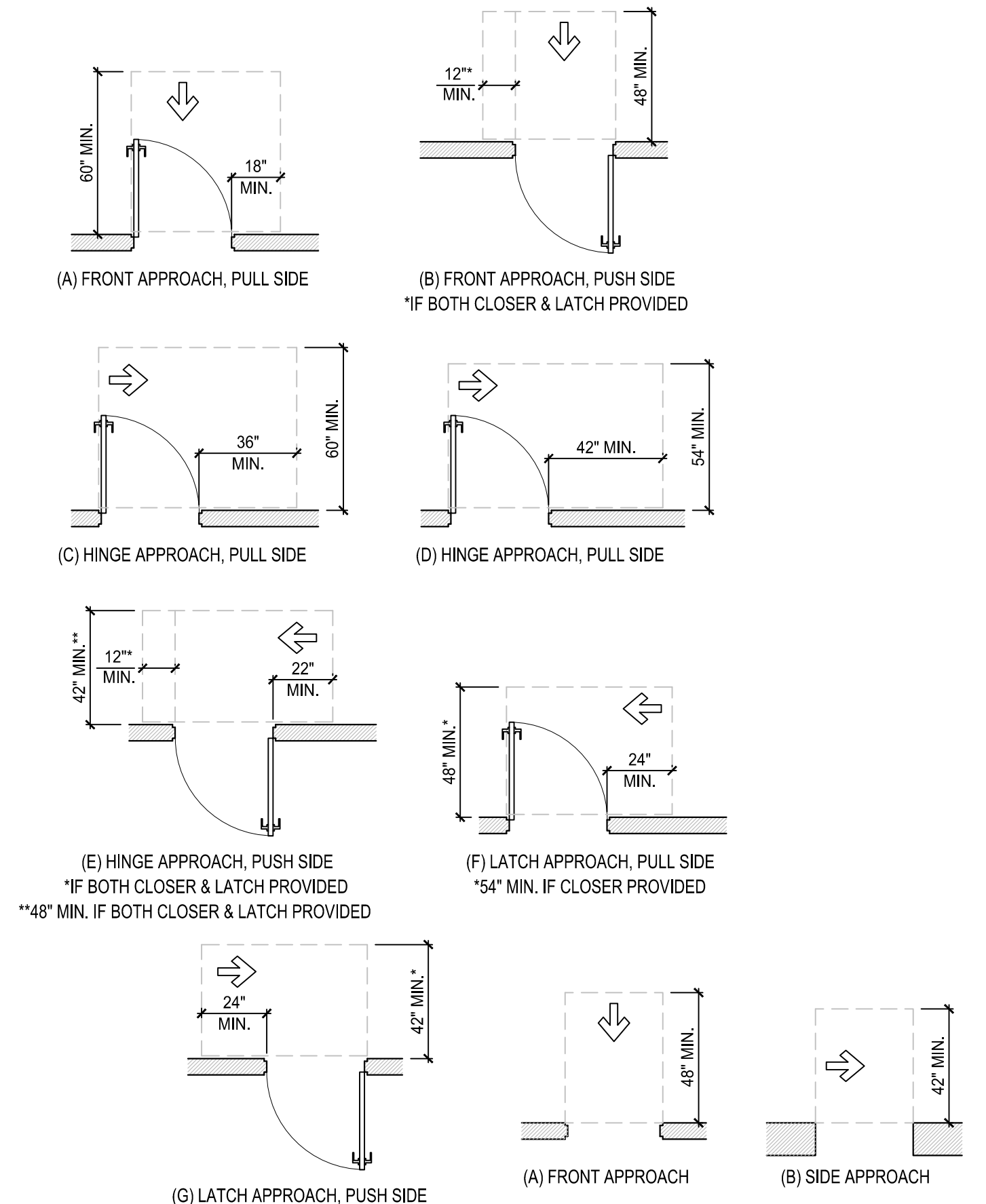
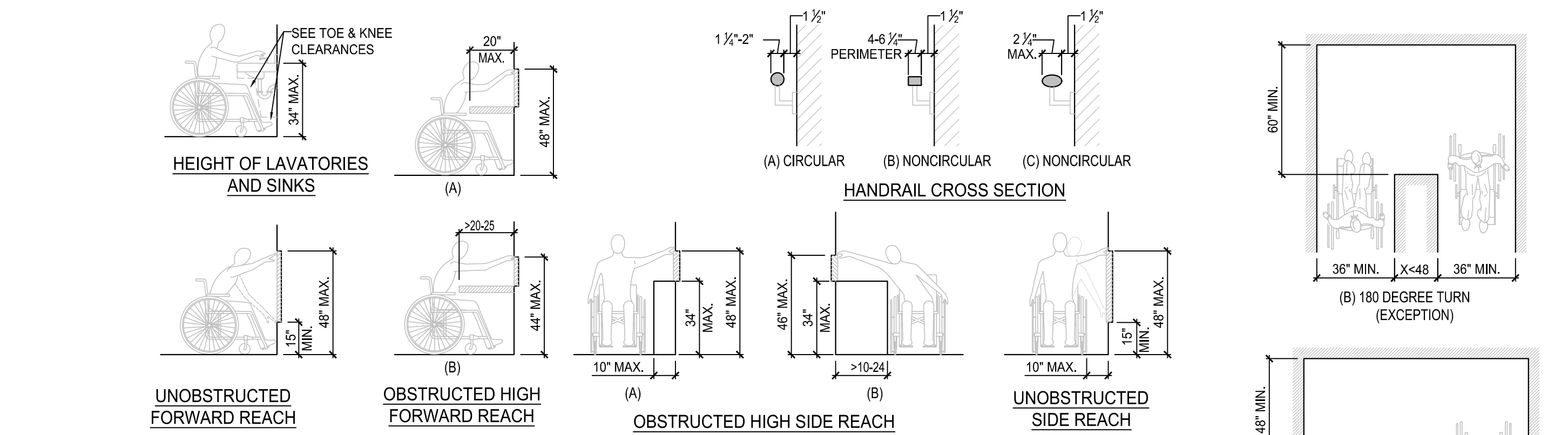
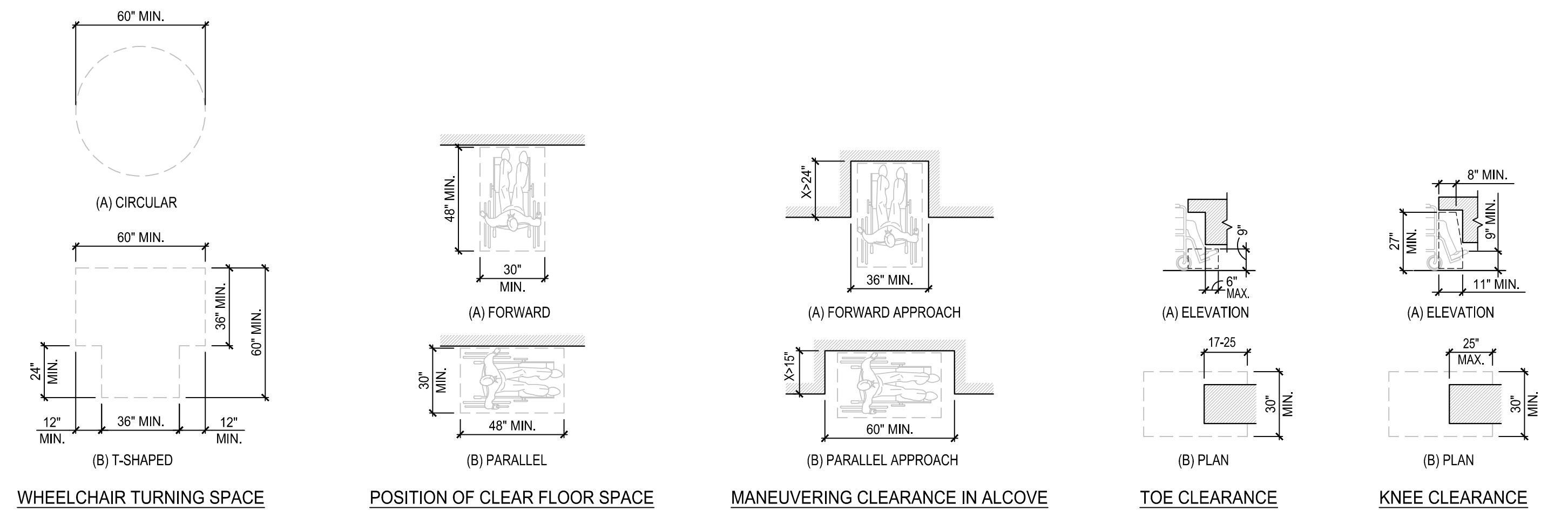
- THE UPPERCASE "T" SHALL BE USED TO DETERMINE THE ALLOWABLE STROKE WIDTH OF ALL CHARACTERS OF A FONT.
- THE STROKE WIDTH SHALL BE 10% MIN. AND 30% MAX. OF THE HEIGHT OF THE UPPERCASE LETTER "I" OF THE FONT.

CHARACTER HEIGHT:

- THE UPPERCASE LETTER "T" SHALL BE USED TO DETERMINE THE ALLOWABLE HEIGHT OF ALL CHARACTERS OF A FONT.
- THE HEIGHT IS ALSO DETERMINED FROM THE VIEWING DISTANCE OF THE SIGN BASED ON TABLE 7103.2.4.
- THE HEIGHT OF THE UPPERCASE LETTER "I" OF THE FONT, MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER, SHALL BE 5/8" MIN. AND 2" MAX.

SCHEDULE:

- INSTALL 'EXIT' SIGN AT EACH DOOR WHICH IS INDICATED ON THE ELECTRICAL DRAWINGS TO RECEIVE AN ILLUMINATED EXIT SIGN OR AS OTHERWISE INDICATED ON THE DRAWINGS
- INSTALL ANSI SIGNAGE AT EACH ACCESSIBLE MENS, WOMENS AND UNISEX TOILET ROOM



TOILET ROOM FIXTURE MOUNTING HEIGHTS AND NOTES

MARK	DESCRIPTION	MNTG HGT	REMARKS	BASIS OF DESIGN
GB	STAINLESS STEEL GRAB BAR LENGTH NOTED ON DWG	33-36" - 39-41"	TOP OF HORIZONTAL BAR	MFR. BOBRICK MODEL # B-588-1 (REFER TO DWGS. FOR SIZE)
TP	SINGLE TOILET PAPER DISPENSER	-	SEE DISPENSER OUTLET LOCATION DETAILS	MFG. BOBRICK MODEL # 7685
M	S.S. FRAMED MIRROR (SIZE AS NOTED ON DWGS.)	40" max	BTM. EDGE OF REFLECTION SURFACE	MFG. BOBRICK MODEL # B-165
SD	SOAP DISPENSER	40"	TO OPERABLE PART	MFG. BOBRICK MODEL # B-2111
BCS	BABY CHANGING STATION	34" max	TOP OF BED (OPEN POSITION)	MFG. KOALA KARE MODEL # KB200
PT	PAPER TOWEL DISPENSER	48" max	TO DISPENSER OPENING	MFR. BOBRICK MODEL # B-262
AT	ACCESSIBLE TOILET	17" - 19"	TOP OF SEAT	REFER TO PLUMBING DRAWINGS
LAV	LAVATORY	34" max	TOP OF RIM / PROTECT PIPES	REFER TO PLUMBING DRAWINGS
FE	FIRE EXTINGUISHER/CABINET	48"	TOP	REFER TO PLUMBING DRAWINGS

NOTES:

SIGNAGE FOR ACCESSIBLE TOILETS SHALL COMPLY WITH ICCI A117.1-2009 AND SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR AT 48" MIN. TO THE BASELINE OF THE LOWEST CHARACTER AND 60" MAX. ABOVE THE FINISH FLOOR TO THE BASELINE OF THE HIGHEST CHARACTER. SIGNAGE MUST BE LOCATED SO THAT A CLEAR FLOOR AREA 18" MIN. BY 18" MIN. CENTERED ON THE RAISED CHARACTERS IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION.

HOT WATER AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORY (REMOVE/ COVER/ PROTECT AS REQUIRED).

ACCESSIBLE WATER CLOSET FLUSH CONTROLS (FC) SHALL BE MOUNTED ON THE SIDE OPPOSITE THE SIDE WALL.

CLEAR FLOOR SPACE AND APPROACHES SHALL COMPLY WITH ICCI A117.1-2009.

MOUNTING HEIGHT OF 15" MIN. - 48" MAX. OF HIGHEST OPERABLE PART FOR CONTROLS, DISPENSERS AND RECEPTACLES FOR FORWARD REACH (UNOBSTRUCTED)

MOUNTING HEIGHT OF 15" MIN. - 48" MAX. OF HIGHEST OPERABLE PART FOR CONTROLS, DISPENSERS AND RECEPTACLES FOR SIDE REACH (UNOBSTRUCTED)

FIXED SIDE WALL GRAB BARS SHALL BE 42" MIN. IN LENGTH, LOCATED 12" MAX. FROM THE REAR WALL AND EXTENDING 54" MIN. FROM THE REAR WALL. IN ADDITION, A VERTICAL GRAB BAR 18" MIN. IN LENGTH SHALL BE MOUNTED WITH THE BOTTOM OF THE BAR LOCATED 39" MIN. AND 41" MAX. ABOVE THE FINISH FLOOR, AND WITH THE CENTERLINE OF THE BAR LOCATED 39" MIN. AND 41" MAX. FROM THE REAR WALL. FIXED REAR WALL GRAB BARS SHALL BE 36" MIN. IN LENGTH, AND EXTEND FROM THE CENTERLINE OF THE WATER CLOSET 12" MIN. ON THE SIDE CLOSEST TO THE WALL, AND 24" MIN. ON THE TRANSFER SIDE. GRAB BARS OVER 48" IN LENGTH TO HAVE CENTER SUPPORT.

PROVIDE BLOCKING IN WALL BEHIND WALL MOUNTED FIXTURES AND ACCESSORIES AS REQUIRED

CHART IS NOT A MATERIAL LIST, DRAWINGS AND SPECIFICATIONS SHALL BE REFERENCED FOR REQUIRED MATERIALS

IF COVE CERAMIC TILE BASE IS NOT PROVIDED, USE COVERED SCHLUTER STRIP STYLE DILEX-EHKS TO BE INSTALLED BETWEEN FLOOR AND WALL TILES IN ALL TOILET ROOMS.

MAXIMUM OFFSETS AT DOORWAY THRESHOLDS (INCLUDING THRESHOLD) SHALL NOT EXCEED 1/2"

DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES SHALL BE 5 SECONDS MINIMUM. DOOR SPRING HINGES SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70 DEGREES, THE DOOR SHALL MOVE TO THE CLOSED POSITION IN 1.5 SECONDS MINIMUM.

CIRCULAR HANDRAILS SHALL HAVE AN OUTSIDE DIAMETER OF 1 1/2" MIN. TO 2" MAX. NON CIRCULAR HANDRAILS SHALL HAVE A PERIMETER DIMENSION OF 4" MIN. TO 6 1/2" MAX. AND A CROSS SECTION DIMENSION OF 2 1/2" MAX. THE SPACE BETWEEN THE WALL AND THE GRAB BAR SHALL BE 1 1/2" MIN. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.

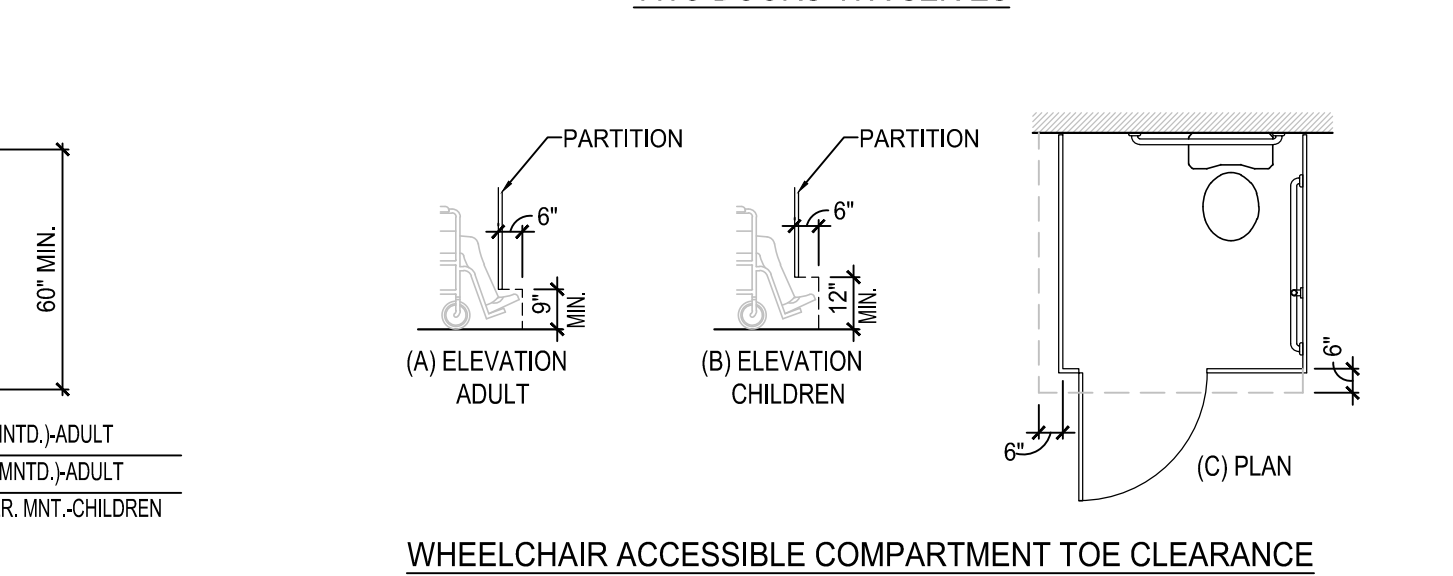
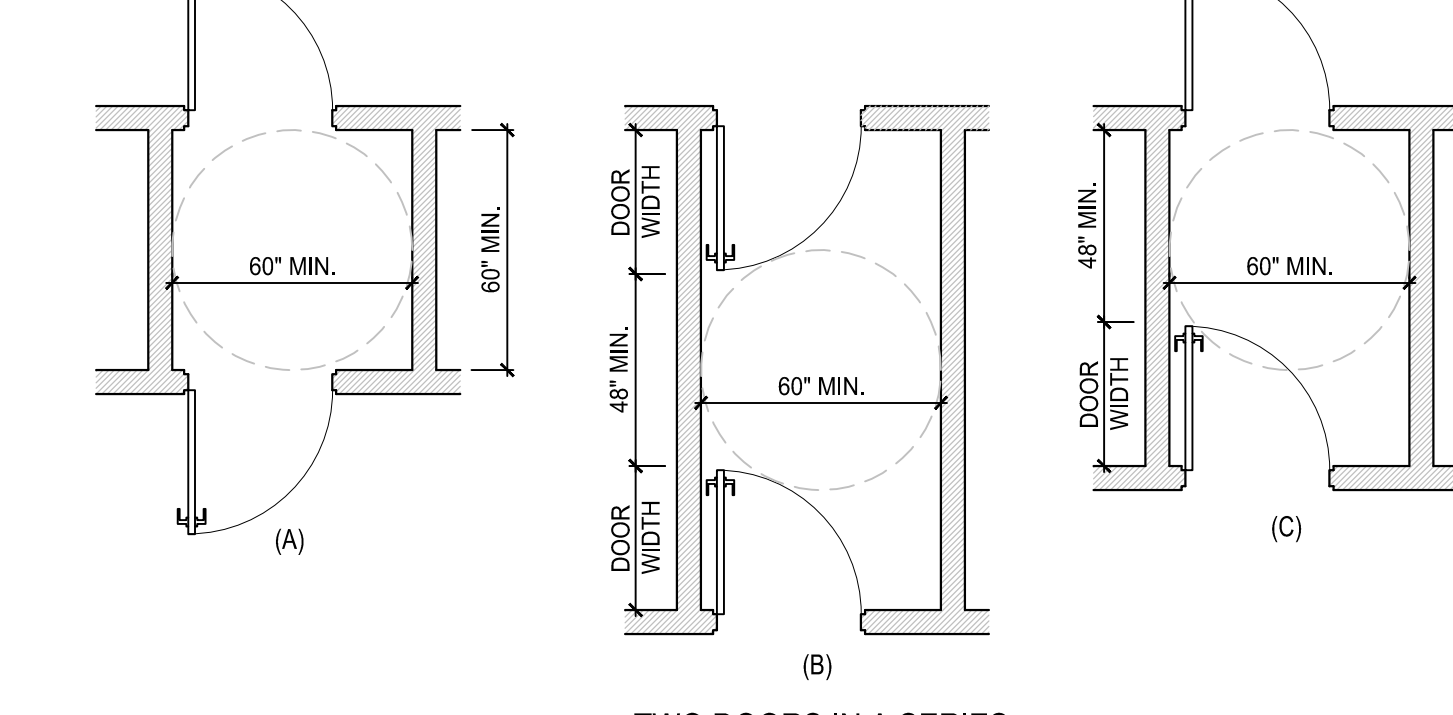
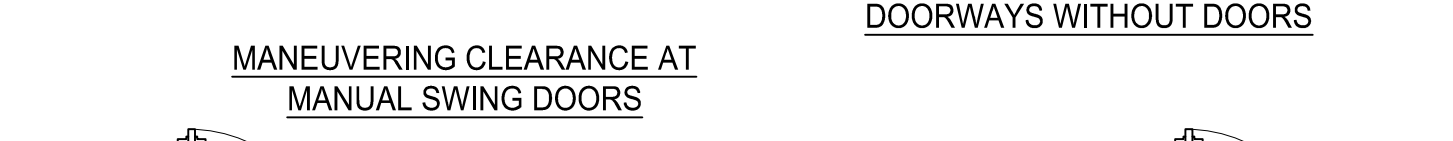
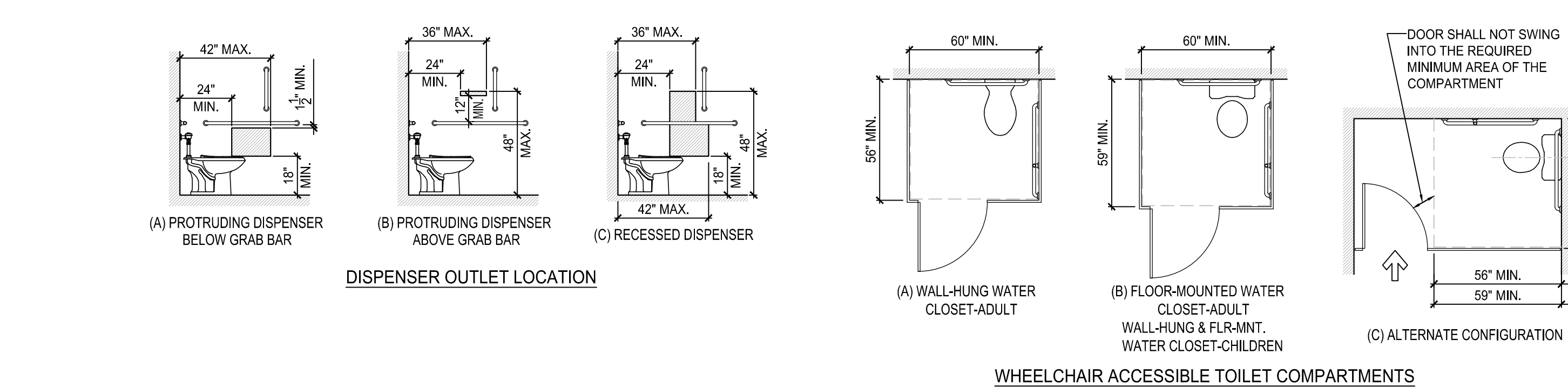
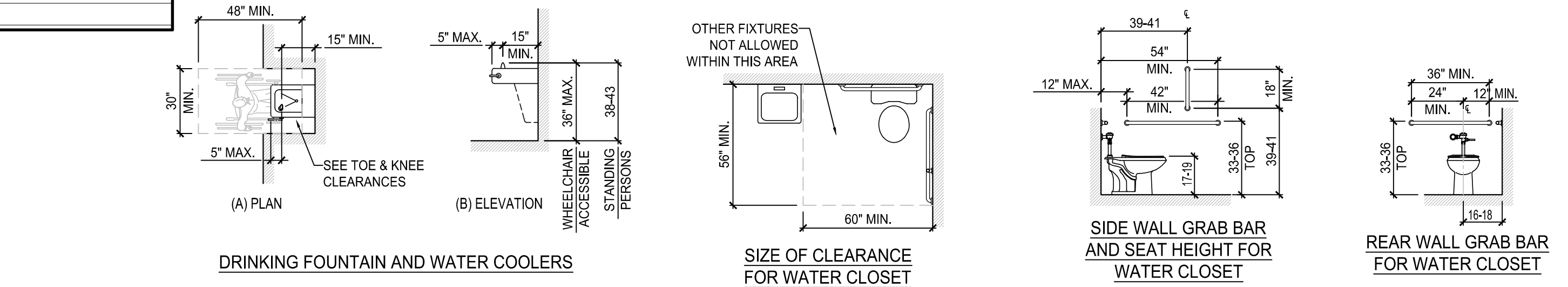
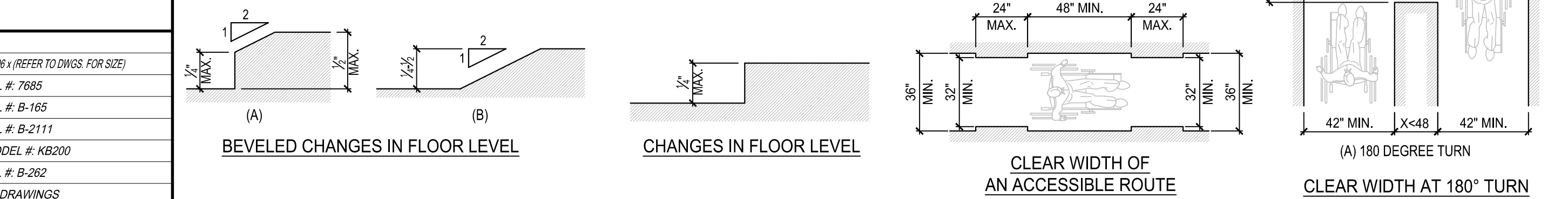
ALL GRAB BARS AND LAVATORIES SHALL BE ABLE TO WITHSTAND 250 LB.

ELECTRICAL SWITCHES SHALL BE MOUNTED 48" ABOVE THE FINISHED FLOOR AND COMMUNICATION SYSTEM RECEPTACLES, OUTLETS, ETC. SHALL BE MOUNTED 15" ABOVE THE FINISHED FLOOR

CONTROLS AND OPERATION MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NOT GREATER THAN 5 LB.

WHERE PROVIDED, AUDIBLE EMERGENCY ALARMS SHALL PRODUCE A SOUND THAT EXCEEDS THE PREVAILING EQUIVALENT SOUND LEVEL IN THE ROOM OR SPACE BY AT LEAST 15DBA OR EXCEED ANY MAXIMUM SOUND LEVEL WITH A DURATION OF 60 SECONDS BY 5DBA, WHICHEVER IS LOUDER. SOUND LEVELS FOR ALARM SIGNALS SHALL NOT EXCEED 120DBA.

VISUAL ALARM SIGNAL APPLIANCES SHALL BE INTEGRATED INTO THE BUILDING OR FACILITY PLACED 85 IN. ABOVE THE HIGHEST FLOOR LEVEL WITHIN THE SPACE OR 6 IN. BELOW THE CEILING, WHICHEVER IS LOWER.



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Scale	AS INDICATED	Date	03/01/2024	Job No.	24001561.002A	WRS	4	WRS	3	WRS	1	WRS	No.	1	Date	12/04/2024	Description	REVISIONS
Designed by	WRS	4	ISSUED FOR BIDDING	03/01/2024														
Drawn by	AJM	3	ISSUED FOR BUILDING PERMITS	02/23/2024														
Checked by	WRS	2	ISSUED FOR OWNER REVIEW	02/05/2024														
Approved by	WRS	1	OWNER REVIEW	12/04/2024														

CITY OF FOSTORIA, OH

FOSTORIA SPLASHPAD

TYPICAL ADA DETAILS, NOTES, AND LEGENDS

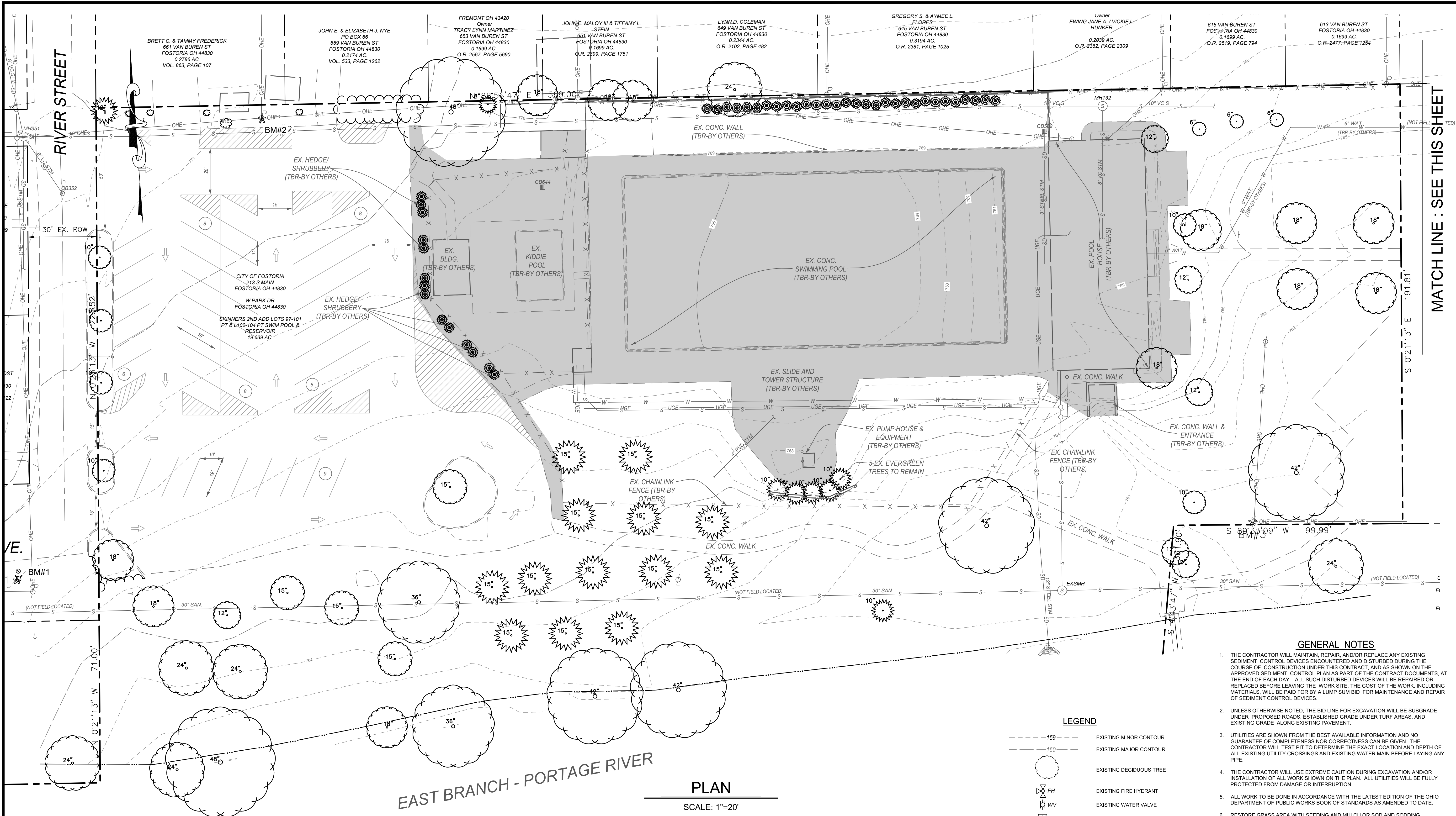
Client

Project

Drawing

G001

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PLAN
SCALE: 1"=20'
0 20' 40'

LEGEND

- 159- EXISTING MINOR CONTOUR
- 160- EXISTING MAJOR CONTOUR
- (Tree symbol) EXISTING DECIDUOUS TREE
- (FH symbol) EXISTING FIRE HYDRANT
- (WV symbol) EXISTING WATER VALVE
- (WM symbol) EXISTING WATER METER
- (SD symbol) EXISTING STORM DRAIN MANHOLE
- (E symbol) EXISTING ELECTRIC MANHOLE
- (M symbol) EXISTING COMMUNICATION CONNECTION
- (S symbol) EXISTING SEWER MANHOLE
- (C symbol) EXISTING SEWER CLEANOUT
- (Circle with X) EXISTING UTILITY POLE
- (Circle with X) 'TO BE REMOVED-BY OTHERS'
- (SD symbol) EXISTING STORM DRAIN
- (UGE symbol) EXISTING UNDERGROUND ELECTRIC
- (W symbol) EXISTING UNDERGROUND WATER
- (E symbol) EXISTING OVERHEAD WIRE
- (S symbol) EXISTING SANITARY PIPE
- (G symbol) EXISTING UNDERGROUND FUEL LINES
- (Shaded area) EXISTING HARDSCAPE AREA (REMOVED BY OTHERS PRIOR TO SPLASH PAD CONSTRUCTION)

GENERAL NOTES

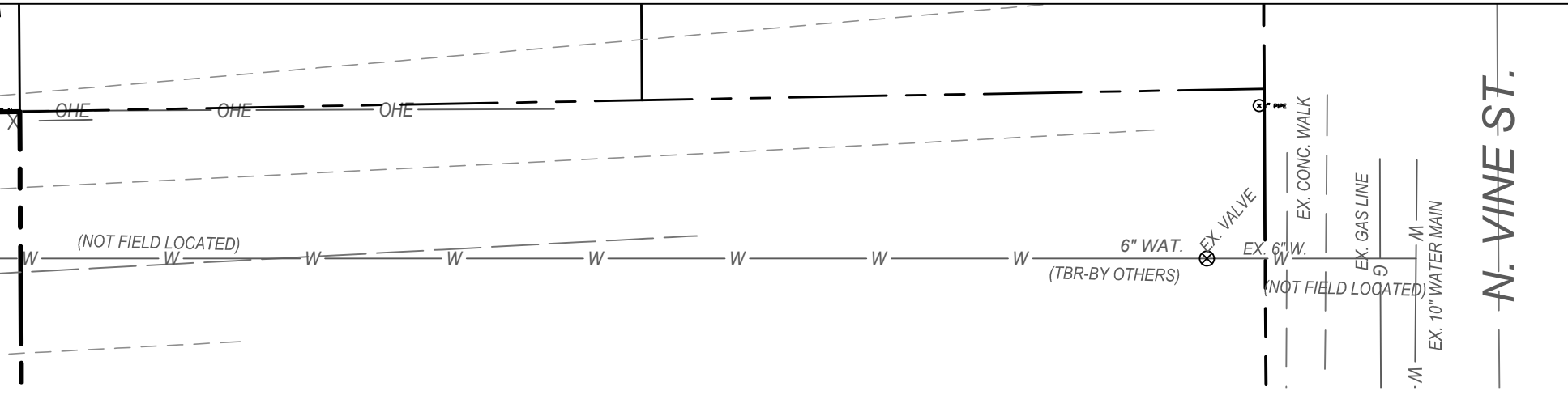
1. THE CONTRACTOR WILL MAINTAIN, REPAIR, AND/OR REPLACE ANY EXISTING SEDIMENT CONTROL DEVICES ENCOUNTERED AND DISTURBED DURING THE COURSE OF CONSTRUCTION UNDER THIS CONTRACT, AND AS SHOWN ON THE APPROVED SEDIMENT CONTROL PLAN AS PART OF THE CONTRACT DOCUMENTS, AT THE END OF EACH DAY. ALL SUCH DISTURBED DEVICES WILL BE REPAIRED OR REPLACED BEFORE LEAVING THE WORK SITE. THE COST OF THE WORK, INCLUDING MATERIALS, WILL BE PAID FOR BY A LUMP SUM BID FOR MAINTENANCE AND REPAIR OF SEDIMENT CONTROL DEVICES.
2. UNLESS OTHERWISE NOTED, THE BID LINE FOR EXCAVATION WILL BE SUBGRADE UNDER PROPOSED ROADS, ESTABLISHED GRADE UNDER TURF AREAS, AND EXISTING GRADE ALONG EXISTING PAVEMENT.
3. UTILITIES ARE SHOWN FROM THE BEST AVAILABLE INFORMATION AND NO GUARANTEE OF COMPLETENESS NOR CORRECTNESS CAN BE GIVEN. THE CONTRACTOR WILL TEST PIT TO DETERMINE THE EXACT LOCATION AND DEPTH OF ALL EXISTING UTILITY CROSSINGS AND EXISTING WATER MAIN BEFORE LAYING ANY PIPE.
4. THE CONTRACTOR WILL USE EXTREME CAUTION DURING EXCAVATION AND/OR INSTALLATION OF ALL WORK SHOWN ON THE PLAN. ALL UTILITIES WILL BE FULLY PROTECTED FROM DAMAGE OR INTERRUPTION.
5. ALL WORK TO BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE OHIO DEPARTMENT OF PUBLIC WORKS BOOK OF STANDARDS AS AMENDED TO DATE.
6. RESTORE GRASS AREA WITH SEEDING AND MULCH OR SOD AND SODDING.

DATA SOURCES:

1. Existing topography, site information, and boundary provided by Peterman Associates, Inc. field survey dated 11/17/23.
2. Existing utilities shown on this plan were obtained from the best available sources, including City of Fostoria and Hancock County records.
3. Contractor is responsible for verifying and test-pitting to confirm existing utility locations.
4. It is assumed that all existing buildings, structures, swimming pools, water slides, foundations, paving, utilities, and all associated appurtenances will have been demolished/removed from the project site by others prior to work commencing under this contract.



MATCH LINE :
SEE THIS SHEET



MATCH LINE : SEE THIS SHEET

As Indicated	Date	Scale	Status	Discipline	REVISIONS
As Indicated	2/5/2023				
Job No.	24001561.002A				
Designed by	RDTCWG				03/01/24
Drawn by	RDTCWG				07/23/24
Checked by	MJP/DRS				02/05/24
Approved by					

Client: CITY OF FOSTORIA, OH

Project: FOSTORIA SPLASHPAD

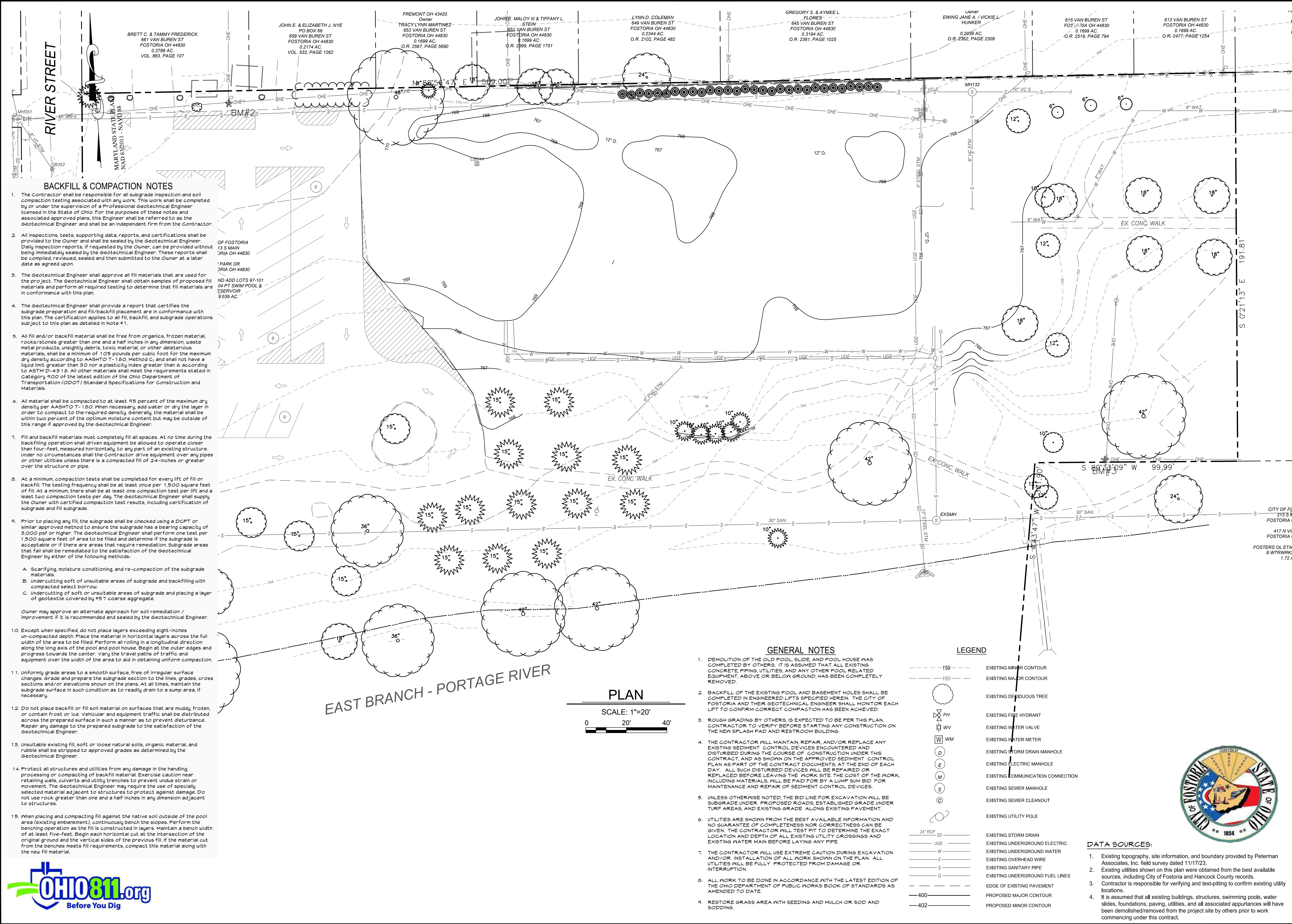
Drawing: Existing Conditions Plan

CITY OF FOSTORIA

1854

C-01

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BACKFILL & COMPACTION NOTES

- The Contractor shall be responsible for all subgrade inspection and soil compaction testing associated with any work. This work shall be completed by or under the supervision of a Professional Geotechnical Engineer licensed in the State of Ohio. For the purposes of these notes and associated approved plans, this Engineer shall be referred to as the Geotechnical Engineer and shall be an independent firm from the Contractor.
- All inspections, tests, supporting data, reports, and certifications shall be provided to the Owner and shall be sealed by the Geotechnical Engineer. Daily inspection reports, if requested by the Owner, can be provided without being immediately sealed by the Geotechnical Engineer. These reports shall be compiled, reviewed, sealed and then submitted to the Owner at a later date as agreed upon.
- The Geotechnical Engineer shall approve all fill materials that are used for the project. The Geotechnical Engineer shall obtain samples of proposed fill materials and perform all required testing to determine that fill materials are in conformance with this plan.
- The Geotechnical Engineer shall provide a report that certifies the subgrade preparation and fill/backfill placement are in conformance with this plan. The certification applies to all fill, backfill, and subgrade operations subject to this plan as detailed in Note #1.
- All fill and/or backfill material shall be free from organics, frozen material, rocks/stones greater than one and a half inches in any dimension, waste metal products, unsightly debris, toxic material, or other deleterious materials, shall be a minimum of 105 pounds per cubic foot for the maximum dry density according to AASHTO T-100, Method C, and shall not have a liquid limit greater than 30 nor a plasticity index greater than 6 according to ASTM D-4318. All other materials shall meet the requirements stated in Category 400 of the latest edition of the Ohio Department of Transportation (ODOT) Standard Specifications for Construction and Materials.
- All material shall be compacted to at least 95 percent of the maximum dry density per AASHTO T-100. When necessary, add water or dry the layer in order to compact to the required density. Generally, the material shall be within two percent of the optimum moisture content but may be outside of this range if approved by the Geotechnical Engineer.
- Fill and backfill materials must completely fill all spaces. At no time during the backfilling operation shall driven equipment be allowed to operate closer than four feet, measured horizontally, to any part of an existing structure. Under no circumstances shall the Contractor operate over any pipes or other utilities unless there is a compacted fill of 24-inches or greater over the structure or pipe.
- At a minimum, compaction tests shall be completed for every lift of fill or backfill. The testing frequency shall be at least once per 1,500 square feet of fill. At a minimum, there shall be at least one compaction test per lift and at least two compaction tests per day. The Geotechnical Engineer shall supply the Owner with certified compaction test results, including certification of subgrade and fill subgrade.
- Prior to placing any fill, the subgrade shall be checked using a DCPT or similar approved method to ensure the subgrade has a bearing capacity of 3,000 psf or higher. The Geotechnical Engineer shall perform one test per 1,500 square feet of area to be filled and determine if the subgrade is acceptable or if there are areas that require remediation. Subgrade areas that fail shall be remediated to the satisfaction of the Geotechnical Engineer by either of the following methods:
 - Scarifying, moisture conditioning, and re-compaction of the subgrade materials.
 - Undercutting soft or unsuitable areas of subgrade and backfilling with compacted select borrow.
 - Undercutting of soft or unsuitable areas of subgrade and placing a layer of geotextile covered by #5 T coarse aggregate.
 Owner may approve an alternate approach for soil remediation / improvement if it is recommended and sealed by the Geotechnical Engineer.
- Except when specified, do not place layers exceeding eight-inches uniform depth and the material in horizontal layers across the full width of the area to be filled. Perform all rolling in a longitudinal direction along the long axis of the pool and pool house. Begin at the outer edges and progress towards the center. Vary the travel paths of traffic and equipment over the width of the area to aid in obtaining uniform compaction.
- Uniformly grade areas to a smooth surface, free of irregular surface changes. Grade and prepare the subgrade section to the lines, grades, cross sections and/or elevations shown on the plans. At all times, maintain the subgrade surface in such condition as to readily drain to a sump area, if necessary.
- Do not place backfill or fill soil material on surfaces that are muddy, frozen, or contain frost or ice. Vehicular and equipment traffic shall be distributed across the prepared surface in such a manner as to prevent disturbance. Repair any damage to the prepared subgrade to the satisfaction of the Geotechnical Engineer.
- Unsuitable existing fill, soft or loose natural soils, or organic material, and rubble shall be stripped to approved grades as determined by the Geotechnical Engineer.
- Protect all structures and utilities from any damage in the handling, processing or compacting of backfill material. Exercise caution near retaining walls, culverts and utility trenches to prevent undue strain or movement. The Geotechnical Engineer may require the use of specially selected material adjacent to structures to protect against damage. Do not use rock greater than one and a half inches in any dimension adjacent to structures.
- When placing and compacting fill against the native soil outside of the pool area (existing embankment), continuously bench the slopes. Perform the benching operation as the fill is constructed in layers. Maintain a bench width of at least five-feet. Begin each horizontal cut at the intersection of the original ground and the vertical sides of the previous fill. If the material cut from the benches meets fill requirements, compact this material along with the new fill material.

OF FOSTORIA
13 S MAIN
FOSTORIA OH 44830

*PARK DR
FOSTORIA OH 44830

ND ADD LOTS 97-101
04 FT SWIM POOL &
ESERVOIR
9.639 AC.

EAST BRANCH - PORTAGE RIVER

PLAN

SCALE: 1"=20'

0 20' 40'

GENERAL NOTES


- DEMOLITION OF THE OLD POOL, SLIDE, AND POOL HOUSE WAS COMPLETED BY OTHERS. IT IS ASSUMED THAT ALL EXISTING CONCRETE, PIPING, UTILITIES, AND ANY OTHER POOL RELATED EQUIPMENT, ABOVE OR BELOW GROUND, HAS BEEN COMPLETELY REMOVED.
- BACKFILL OF THE EXISTING POOL AND BASEMENT HOLES SHALL BE COMPLETED IN ENGINEERED LIFTS SPECIFIED HEREIN. THE CITY OF FOSTORIA AND THEIR GEOTECHNICAL ENGINEER SHALL MONITOR EACH LIFT TO CONFIRM CORRECT COMPACTION HAS BEEN ACHIEVED.
- ROUGH GRADING BY OTHERS IS EXPECTED TO BE PER THIS PLAN. CONTRACTOR TO VERIFY BEFORE STARTING ANY CONSTRUCTION ON THE NEW SPLASH PAD AND RESTROOM BUILDING.
- THE CONTRACTOR WILL MAINTAIN, REPAIR, AND/OR REPLACE ANY EXISTING SEDIMENT CONTROL DEVICES ENCOUNTERED AND DISTURBED DURING THE COURSE OF CONSTRUCTION UNDER THIS CONTRACT, AND AS SHOWN ON THE APPROVED SEDIMENT CONTROL PLAN AS PART OF THE CONTRACT DOCUMENTS, AT THE END OF EACH DAY. ALL SUCH DISTURBED DEVICES WILL BE REPAIRED OR REPLACED BEFORE LEAVING THE WORK SITE. THE COST OF THE WORK, INCLUDING MATERIALS, WILL BE PAID FOR BY A LUMP SUM BID FOR MAINTENANCE AND REPAIR OF SEDIMENT CONTROL DEVICES.
- UNLESS OTHERWISE NOTED, THE BID LINE FOR EXCAVATION WILL BE SUBGRADE UNDER PROPOSED ROADS, ESTABLISHED GRADE UNDER TURF AREAS, AND EXISTING GRADE ALONG EXISTING PAVEMENT.
- UTILITIES ARE SHOWN FROM THE BEST AVAILABLE INFORMATION AND NO GUARANTEE OF COMPLETENESS NOR CORRECTNESS CAN BE GIVEN. THE CONTRACTOR WILL TEST PIT TO DETERMINE THE EXACT LOCATION AND DEPTH OF ALL EXISTING UTILITY CROSSINGS AND EXISTING WATER MAIN BEFORE LAYING ANY PIPE.
- THE CONTRACTOR WILL USE EXTREME CAUTION DURING EXCAVATION AND/OR INSTALLATION OF ALL WORK SHOWN ON THE PLAN. ALL UTILITIES WILL BE FULLY PROTECTED FROM DAMAGE OR INTERRUPTION.
- ALL WORK TO BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE OHIO DEPARTMENT OF PUBLIC WORKS BOOK OF STANDARDS AS AMENDED TO DATE.
- RESTORE GRASS AREA WITH SEEDING AND MULCH OR SOD AND SODDING.

LEGEND

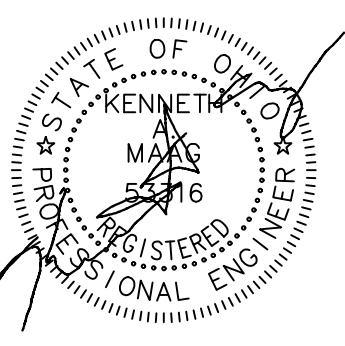
- 159 --- EXISTING MINOR CONTOUR
- 160 --- EXISTING MAJOR CONTOUR
- EXISTING DECIDUOUS TREE
- ⊗ FH EXISTING FIRE HYDRANT
- ⊕ WV EXISTING WATER VALVE
- ⊞ WM EXISTING WATER METER
- ⊘ EXISTING STORM DRAIN MANHOLE
- ⊙ EXISTING ELECTRIC MANHOLE
- ⊚ EXISTING COMMUNICATION CONNECTION
- ⊛ EXISTING SEWER MANHOLE
- ⊜ EXISTING SEWER CLEANOUT
- ⊝ EXISTING UTILITY POLE
- ⊞ RCP SD EXISTING STORM DRAIN
- ⊞ UGE EXISTING UNDERGROUND ELECTRIC
- ⊞ UGW EXISTING UNDERGROUND WATER
- ⊞ E EXISTING OVERHEAD WIRE
- ⊞ S EXISTING SANITARY PIPE
- ⊞ G EXISTING UNDERGROUND FUEL LINES
- EDGE OF EXISTING PAVEMENT ---
- 400 --- PROPOSED MAJOR CONTOUR
- 402 --- PROPOSED MINOR CONTOUR

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KLEINFELDER
Bright People. Right Solutions.



STATE OF OHIO
KENNETH M. BUEHLER
REGISTERED PROFESSIONAL ENGINEER
No. 1020524

Scale	Date	As Indicated	Job No.	Designed by	Drawn by	Checked by	Approved by	Status
	2/5/2023		24001561.002A	RDT/CWG	RDT/CWG	MJP/DRS		
				ISSUED FOR BIDDING	ISSUED FOR PERMIT	ISSUED FOR CONSTRUCTION	ISSUED FOR OADR REVIEW	
								REVISIONS



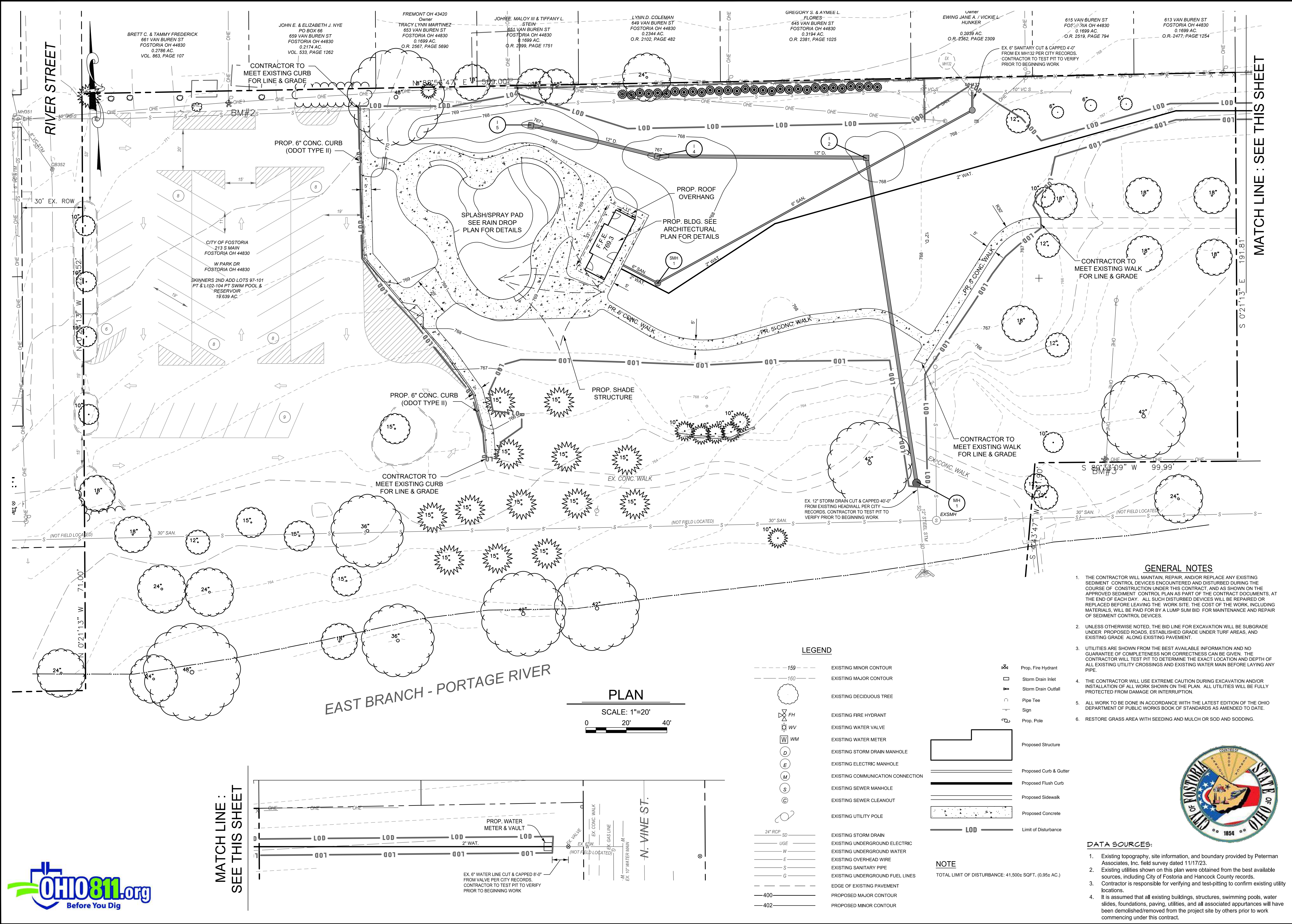
CITY OF FOSTORIA, OH

FOSTORIA SPLASHPAD

Preliminary Mass Grading Plan

C-01A

T:\2024\Facilities\24001561.002A Fostoria Splash Pad\CIVIL\CADD\Drawings\24001561.002A (C-02) SITE GRADING UTILITY.dwg Feb 28, 2024 9:23am egp.dwg



PLAN
SCALE: 1"=20'
0 20' 40'

LEGEND

- 159- EXISTING MINOR CONTOUR
- 160- EXISTING MAJOR CONTOUR
- (Tree Symbol) EXISTING DECIDUOUS TREE
- FH EXISTING FIRE HYDRANT
- WV EXISTING WATER VALVE
- WM EXISTING WATER METER
- (SD) EXISTING STORM DRAIN MANHOLE
- (E) EXISTING ELECTRIC MANHOLE
- (M) EXISTING COMMUNICATION CONNECTION
- (S) EXISTING SEWER MANHOLE
- (C) EXISTING SEWER CLEANOUT
- (Pole Symbol) EXISTING UTILITY POLE
- 24" RCP SD EXISTING STORM DRAIN
- UGE EXISTING UNDERGROUND ELECTRIC
- W EXISTING UNDERGROUND WATER
- E EXISTING OVERHEAD WIRE
- S EXISTING SANITARY PIPE
- G EXISTING UNDERGROUND FUEL LINES
- - - EDGE OF EXISTING PAVEMENT
- 400- PROPOSED MAJOR CONTOUR
- 402- PROPOSED MINOR CONTOUR
- (Fire Hydrant Symbol) Prop. Fire Hydrant
- (Storm Drain Inlet Symbol) Storm Drain Inlet
- (Storm Drain Outfall Symbol) Storm Drain Outfall
- (Pipe Tee Symbol) Pipe Tee
- (Sign Symbol) Sign
- (Prop. Pole Symbol) Prop. Pole
- (Structure Symbol) Proposed Structure
- (Curb & Gutter Symbol) Proposed Curb & Gutter
- (Flush Curb Symbol) Proposed Flush Curb
- (Sidewalk Symbol) Proposed Sidewalk
- (Concrete Symbol) Proposed Concrete
- LOD Limit of Disturbance

NOTE
TOTAL LIMIT OF DISTURBANCE: 41,500± SQFT. (0.95± AC.)

GENERAL NOTES

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Scale	Date	As Indicated	Job No.	Designed by	Drawn by	Checked by	Approved by	Status
	2/5/2023		24001561.002A	RDT/CWG	RDT/CWG	MJP/DRS		
				ISSUED FOR BIDDING	ISSUED FOR PERMIT	ISSUED FOR CONSTRUCTION	ISSUED FOR OADR REVIEW	
				03/01/24	07/23/24	02/05/24		

CITY OF FOSTORIA, OH

FOSTORIA SPLASHPAD

Site, Utility, & Grading Plan

Client: CITY OF FOSTORIA, OH

Project: FOSTORIA SPLASHPAD

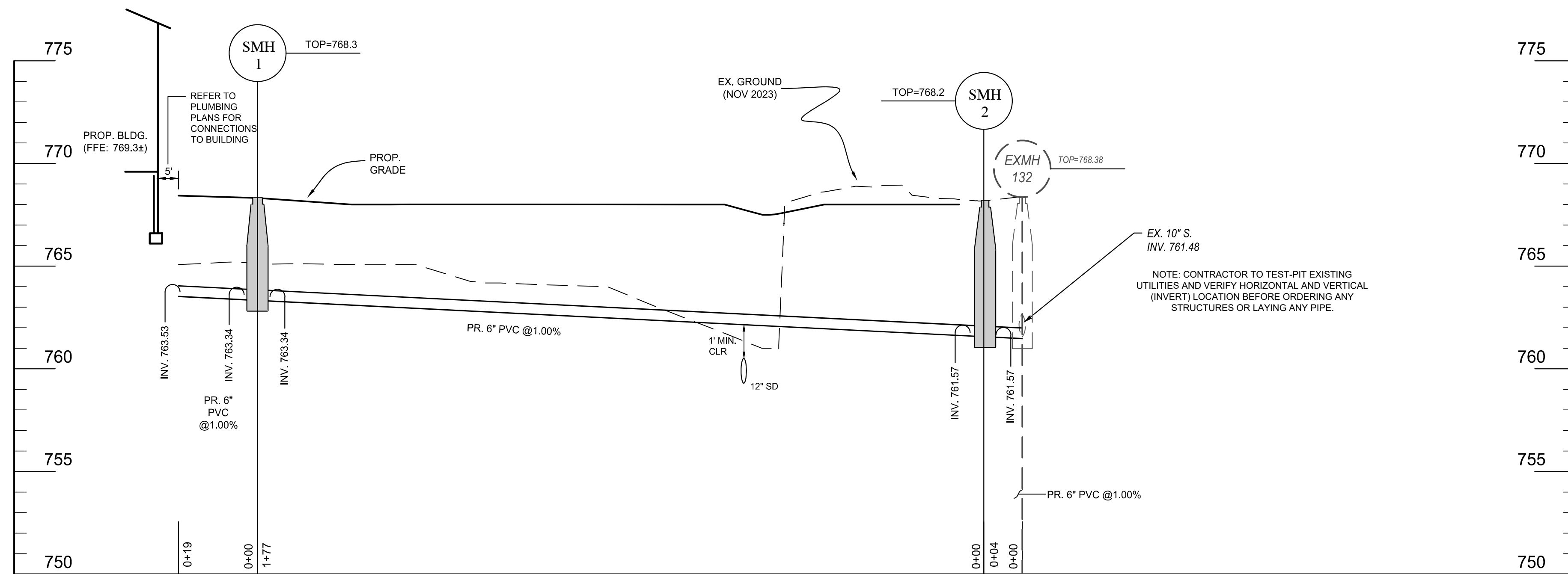
Drawing: Site, Utility, & Grading Plan

C-02



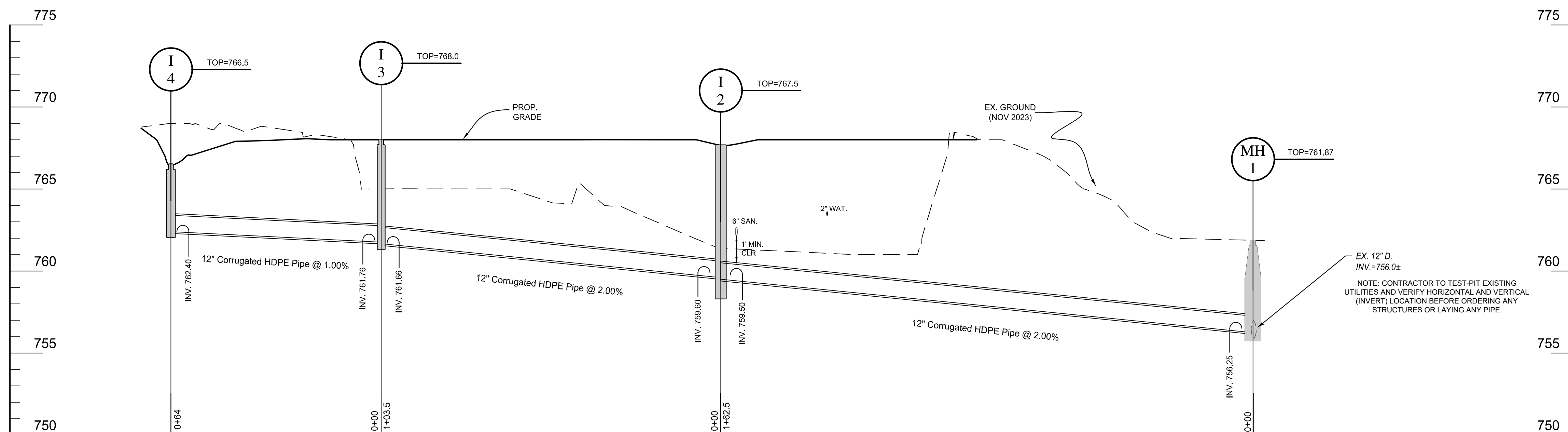
MATCH LINE : SEE THIS SHEET

MATCH LINE : SEE THIS SHEET



SANITARY SEWER PROFILE

SCALE: 1"=20' HORIZ.
1"=5' VERT.



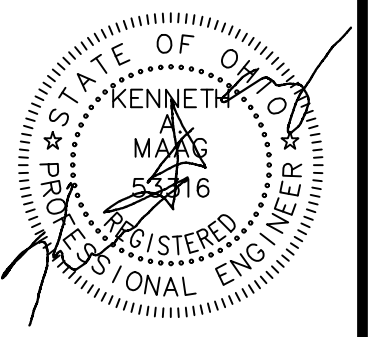
STORM DRAIN PROFILE

SCALE: 1"=20' HORIZ.
1"=5' VERT.

NOTE: CONTRACTOR TO TEST-PIT EXISTING UTILITIES AND VERIFY HORIZONTAL AND VERTICAL (INVERT) LOCATION BEFORE ORDERING ANY STRUCTURES OR LAYING ANY PIPE.

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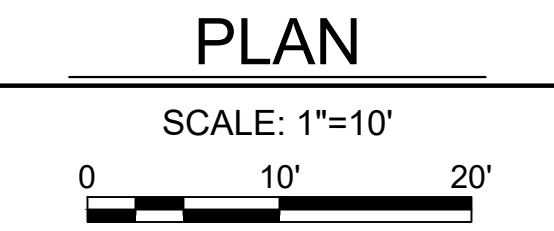
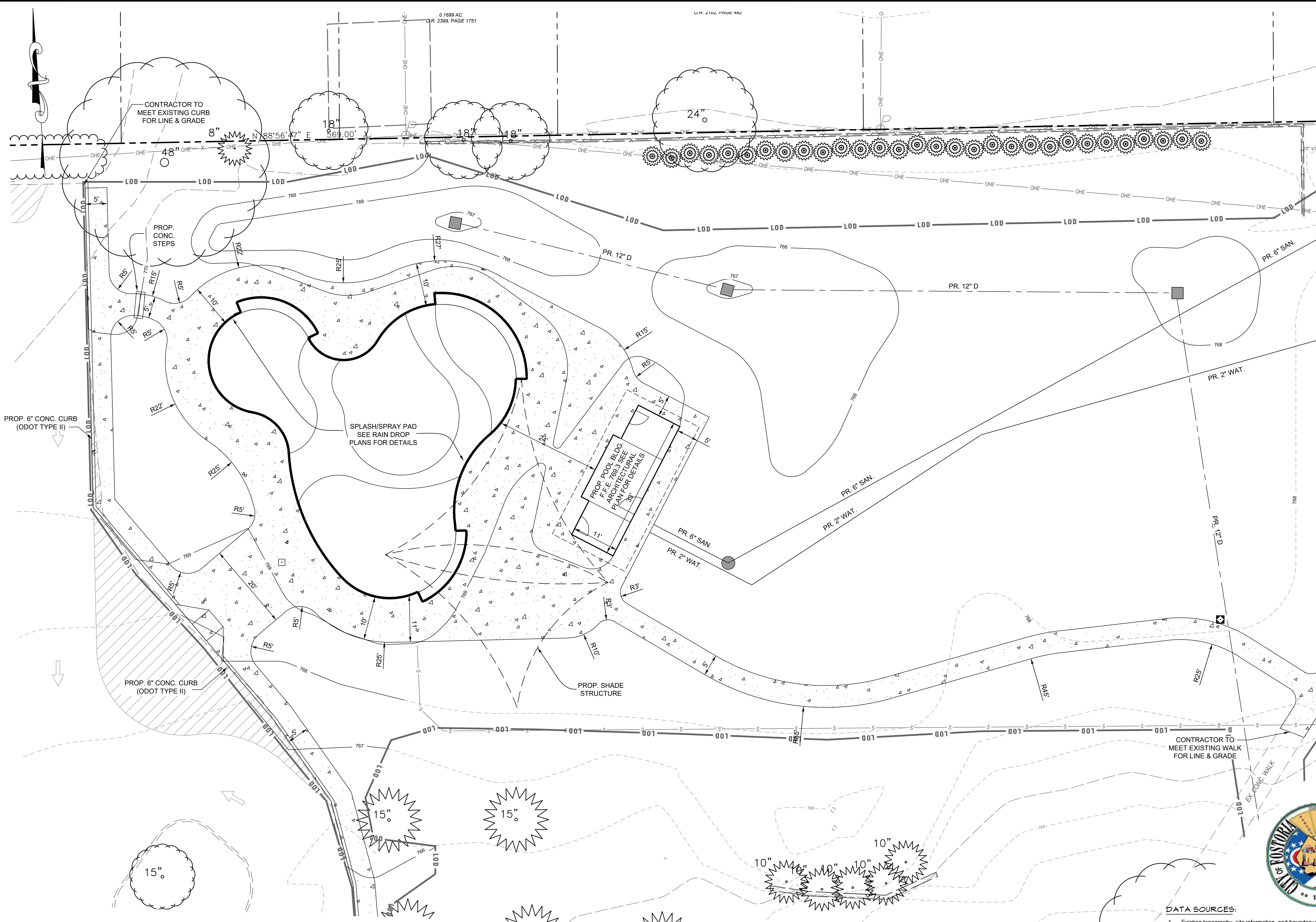


Scale	Date	As Indicated	No.	Description	REVISIONS
2/5/2023	2/5/2023	As Indicated	1	ISSUED FOR BIDDING	03/01/24
		RD/CWG	2	ISSUED FOR PERMIT	07/23/24
		RD/CWG	3	ISSUED FOR CONSTRUCTION	07/23/24
		MJP/DRS	1	ISSUED FOR OADR REVIEW	10/05/24

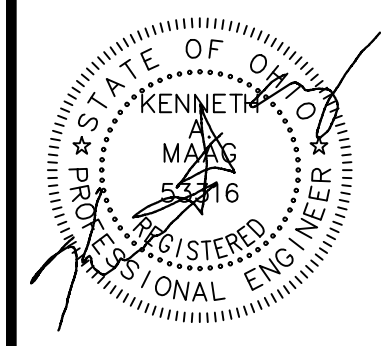
Client	CITY OF FOSTORIA, OH
Project	FOSTORIA SPLASHPAD
Drawing	Utility Profiles
Status	1



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No.	Description	REVISIONS
1	ISSUED FOR BIDDING	03/01/24
2	ISSUED FOR PERMIT	07/23/24
3	ISSUED FOR CONSTRUCTION	10/05/24
4	ISSUED FOR OADR REVIEW	

Scale	Date	As indicated	Status
As indicated	2/5/2023		
Job No.	24001561.002A		
Designed by	RD/CWG		
Drawn by	RD/CWG		
Checked by	MJP/DRS		
Approved by			

Client: CITY OF FOSTORIA, OH

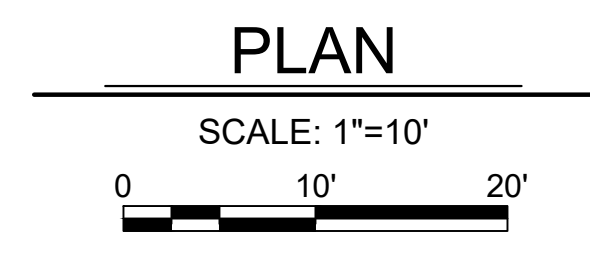
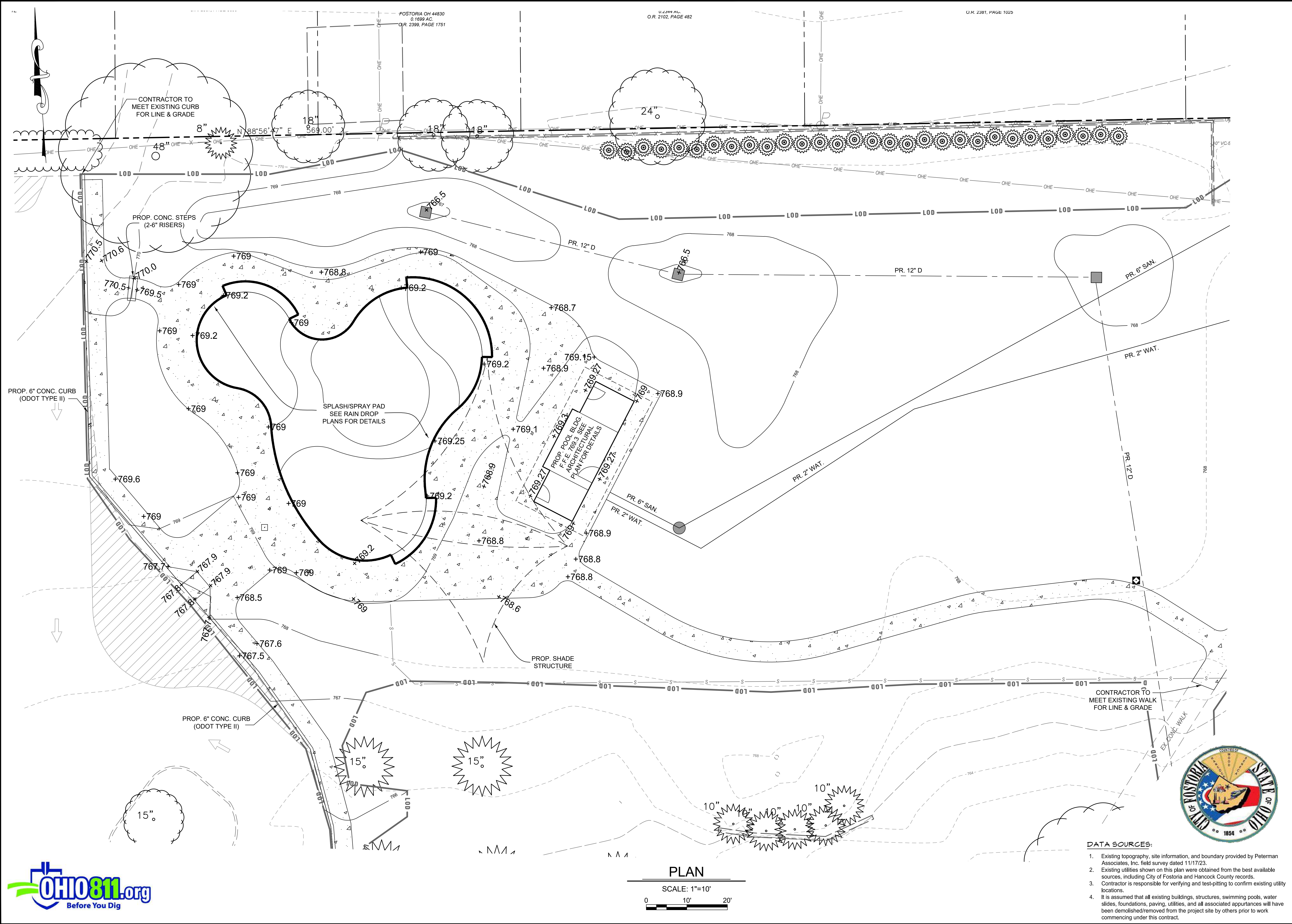
Project: FOSTORIA SPLASHPAD

Drawing: Splash Pad Details

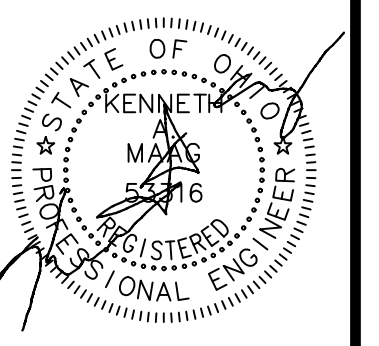
C-04



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As indicated	2/5/2023	24001561.002A	RDT/CWG	RDT/CWG	MJP/DRS		

No.	Description	REVISIONS
1	ISSUED FOR BIDDING	03/01/24
2	ISSUED FOR PERMIT	07/23/24
3	ISSUED FOR CONSTRUCTION	10/05/24
4	ISSUED FOR OADR REVIEW	

Client: CITY OF FOSTORIA, OH

Project: FOSTORIA SPLASHPAD

Drawing: Splash Pad Details

C-05



PLANTING NOTES

- Plant material substitutions will not be accepted without approval of the Landscape Architect.
- All shrubs and groundcover areas shall be planted in continuous prepared planting beds.
- All shrub beds shall be mulched with hardwood mulch as detailed and specified except where noted on plans.
- Maintain positive drainage out of planting beds at a minimum of two percent slope.
- Plant quantities are provided for the convenience of the contractor. If discrepancies exist between quantities shown on the plan and those shown on the plant list, the quantities on the plan shall take precedence.
- All areas within contract limits disturbed during or prior to construction not designated to receive plantings and mulch shall be fine graded and seeded in accordance with planting and construction.
- The contractor shall notify Ohio11, (800-362-2764) a minimum of three working days prior to planting and construction.
- Contractor shall test pit prior to plant installation.

IRRIGATION METHODS

- The use and maintenance of drip irrigation bags or rings around the trunks of newly-planted trees.
- Hand watering, with water sources provided through either or both of the following methods:
 - 2.1. Exterior faucets on a building, located so that the farthest planting can be reached by a length of hose (100 feet recommended).
 - 2.2. A quick-coupling system, with connections located so that the farthest planting can be reached by a length of hose (100 feet recommended).
 - 2.3. A water tank or truck.
- An automatic irrigation system with a moisture-sensing device and/or rain shut-off switch. If using an automatic irrigation system, the following requirements shall be met:
 - 3.1. All irrigation systems shall be designed to minimize vandalism.
 - 3.2. Sprinklers must not over-spray onto pavement. Sprinkler and spray heads are not permitted for planting areas less than eight (8) feet in width, to prevent overspray and run-off. Other irrigation methods shall be specified in such areas.
 - 3.3. Place lawn areas in a separate irrigation zone from shrub and groundcover beds so that each planting type can receive adequate irrigation without over-watering areas with lower irrigation needs.
 - 3.4. Drip irrigation is recommended for shrub and groundcover beds. Drip irrigation shall be used in areas smaller than five (5) feet in any direction.
- The use of rainwater harvesting techniques combined with the use of harvested rainwater for landscape irrigation is encouraged.

NON-INVASIVE NOTE

- Non-invasive vegetation that is native or regionally appropriate for local growing conditions has been selected to promote biodiversity.

MINIMUM LANDSCAPE MAINTENANCE REQUIREMENTS

- A two year plant replacement warranty and two years of maintenance are required by the County. Lawn areas shall be mowed to a height of 2 to 3 inches and not allowed to reach a height of 4 inches before mowing.
- All curbs and walks shall be edged as needed.
- All lawn areas adjacent to building faces or structures shall be trimmed.
- A slow release nitrogen balanced fertilizer with a 2-1-1 ratio shall be applied at a rate of 2 pounds of nitrogen per 1000 square feet in September, October, and February.
- Lime shall be applied at the rate determined by a soils report.
- It is recommended that lawn areas be treated in mid-March to early April with pre-emergent herbicide (Betasan) or equal applied at the manufacturer's rate.
- A post-emergent herbicide (Trimec) or equal is recommended to be sprayed on lawn areas in the late spring or early fall. Follow manufacturer's rates and recommendations.
- Insecticides and fungicides are recommended for insect and disease control.
- Reseed bare areas of lawn as necessary. Yearly aeration is recommended.
- All trash, litter, and debris shall be removed from lawn areas, parking lots, and shrub beds as needed.
- Mulch all shrub and groundcover beds yearly with 3 inches of shredded hardwood bark.
- Permit shrubs and trees to grow and enlarge to their design size. Consult project Landscape Architect for details.
- Prune trees in accordance with Landscape Specification Guidelines from the Ohio Department of Natural Resources.
- Maintenance of landscape areas includes, but is not limited to weeding, mulching, mowing, trimming, pruning, edging, cultivation, seeding, fertilization, watering, pest control, and any other maintenance necessary to ensure healthy, vigorous plant growth and well-kept property condition.
- Landscape elements such as walls and fences shall be constructed in a sound workmanlike manner with adequate support or footings and must be repaired or replaced as needed to preserve an attractive appearance and to function as intended.
- Any dead plants or plants which fail to show healthy growth must be removed and replaced within 60 days of identification of deteriorated health or notification by the County. Replacement may be delayed until the next growing season only if the 60 day period occurs during a time of year not suitable for planting.
- All replacement plants must meet the size and other characteristics of newly planted material as required in the manual.
- Trees and large shrubs must be adequately supported, when necessary to insure proper growth. Tree staking must be removed prior to final inspection, with the exception of plants replaced during the warranty period and not yet established.
- It is desirable to avoid excessive use of fertilizers and pesticides to minimize impacts on water quality. It is recommended that fertilizer application be need-based rather than as an automatic component of maintenance schedules and when appropriate, slow-release or natural fertilizers be selected over highly-soluble chemical fertilizers.
- The implementation of an Integrated Pest Management (IMP) program is recommended to prevent and treat pest problems.

STANDARDS & SPECIFICATIONS FOR PLANTING

TIMETABLE FOR PLANTING

ALL B&B AND CONTAINER PLANTING SHALL BE DONE BETWEEN MARCH 25 AND APRIL 30, FOR SPRING PLANTING, AND BETWEEN OCTOBER 15 AND DECEMBER 1 FOR FALL PLANTING.

PLANT MATERIAL

SEE PLANT LIST FOR EACH PLANTING AREA.

PLANTING SITE PREPARATION

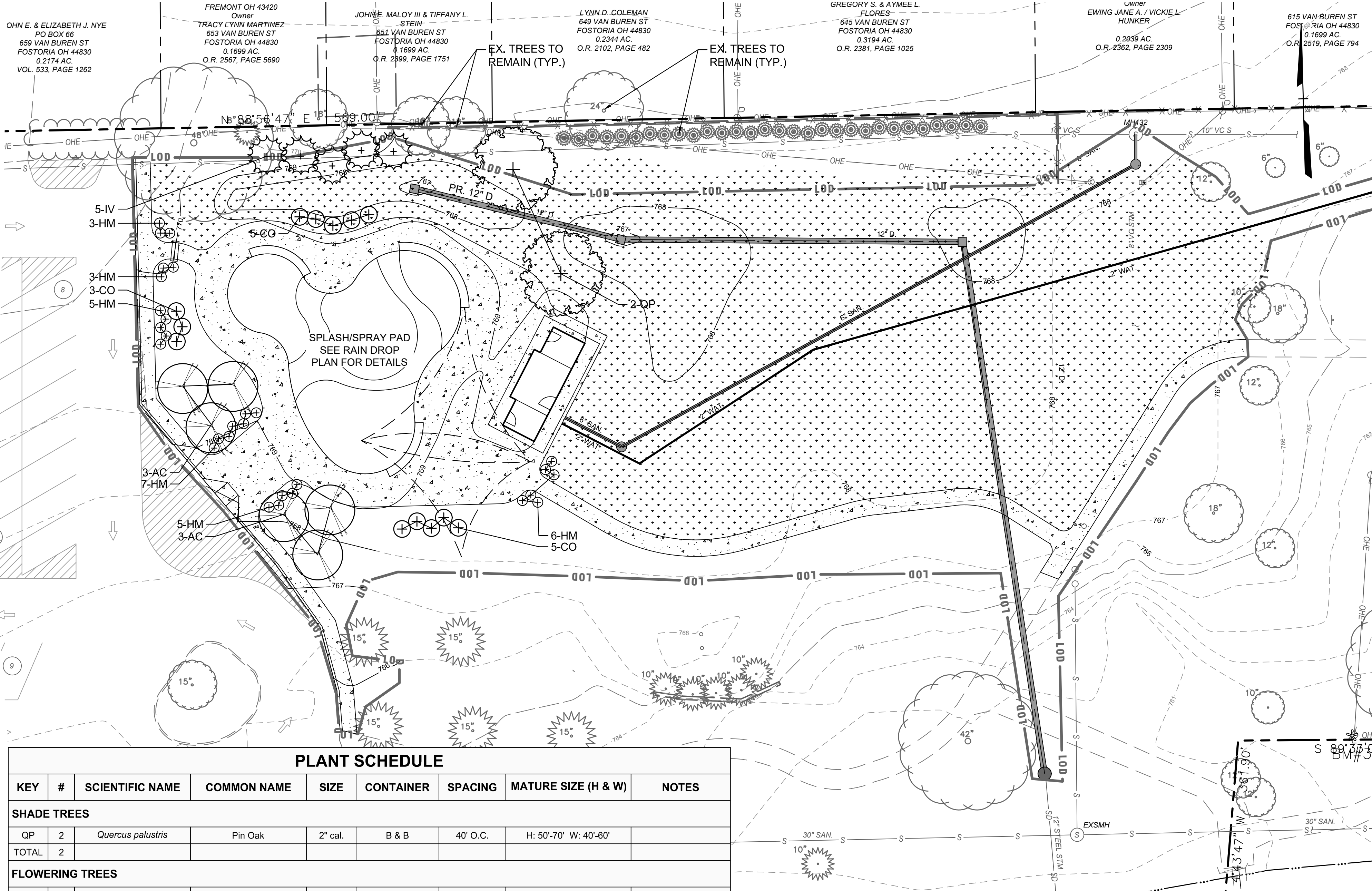
CONTRACTOR SHALL ERADICATE ALL INVASIVE PLANT MATERIAL WITHIN PLANTING AREAS PRIOR TO PLANTING. ONCE THE PLANTING AREA IS CLEAR OF INVASIVES, PREPARE A PLANTING PIT FOR EACH TREE AND SHRUB. THE AREA DISTURBED FOR THE PIT IS TO BE MULCHED WITH A SHREDED HARDWOOD PRODUCT. SOIL TESTING IS RECOMMENDED FOR MACRONUTRIENT DEFICIENCIES AND PH LEVELS. PROPER SOIL AMENDMENTS SHOULD BE MADE IF DEEMED NECESSARY.

PLANT MATERIAL STORAGE

IT IS RECOMMENDED THAT PLANTING OCCUR WITHIN 24 HOURS OF DELIVERY TO THE SITE. PLANT MATERIALS LEFT UNPLANTED FOR MORE THAN 24 HOURS SHALL BE PROTECTED FROM DIRECT SUN AND WEATHER AND KEPT MOIST. PLANT MATERIAL SHOULD NOT BE LEFT UNPLANTED FOR MORE THAN TWO WEEKS.

PLANTING METHOD

SEE PLANTING DETAILS FOR EACH TYPE OF PLANT MATERIAL USED. ALL TREES SHALL BE INSTALLED WITH TREE SHELTERS.

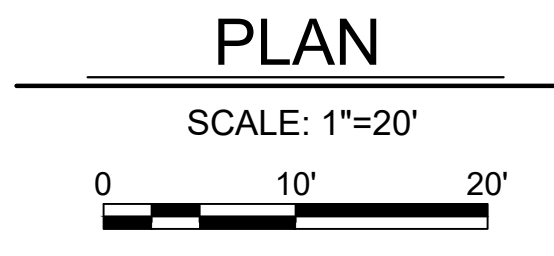


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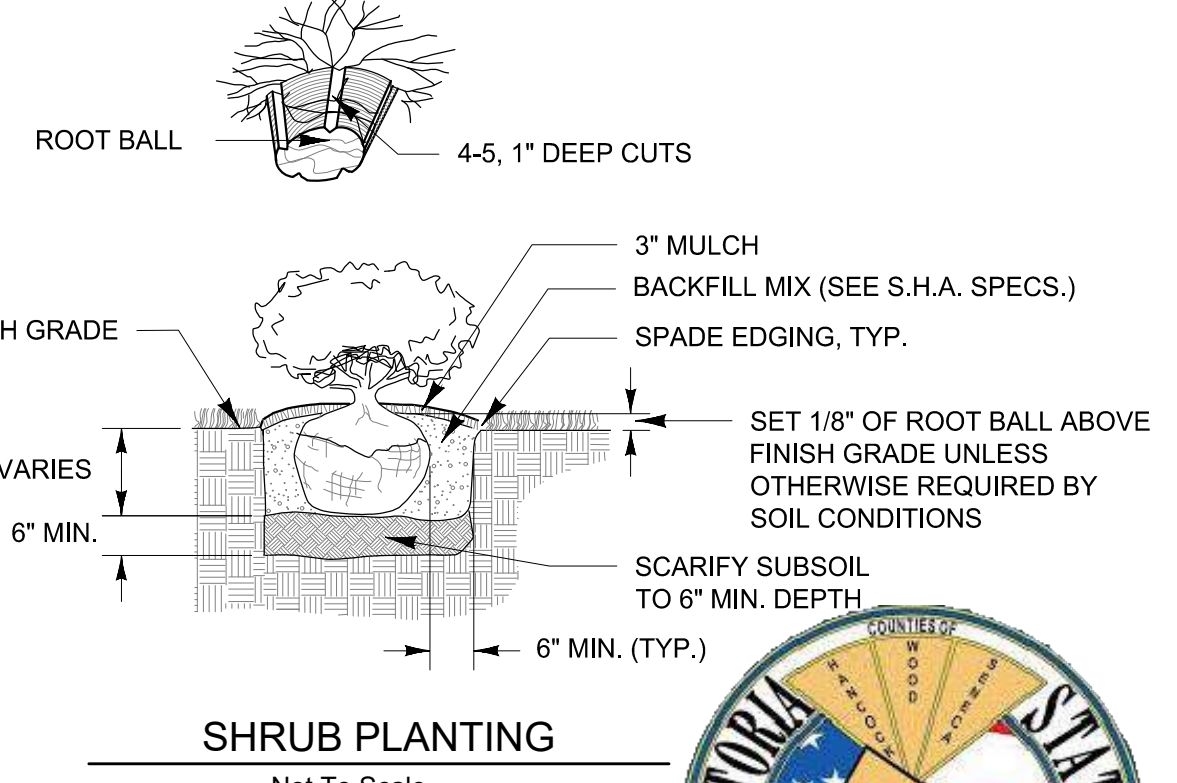
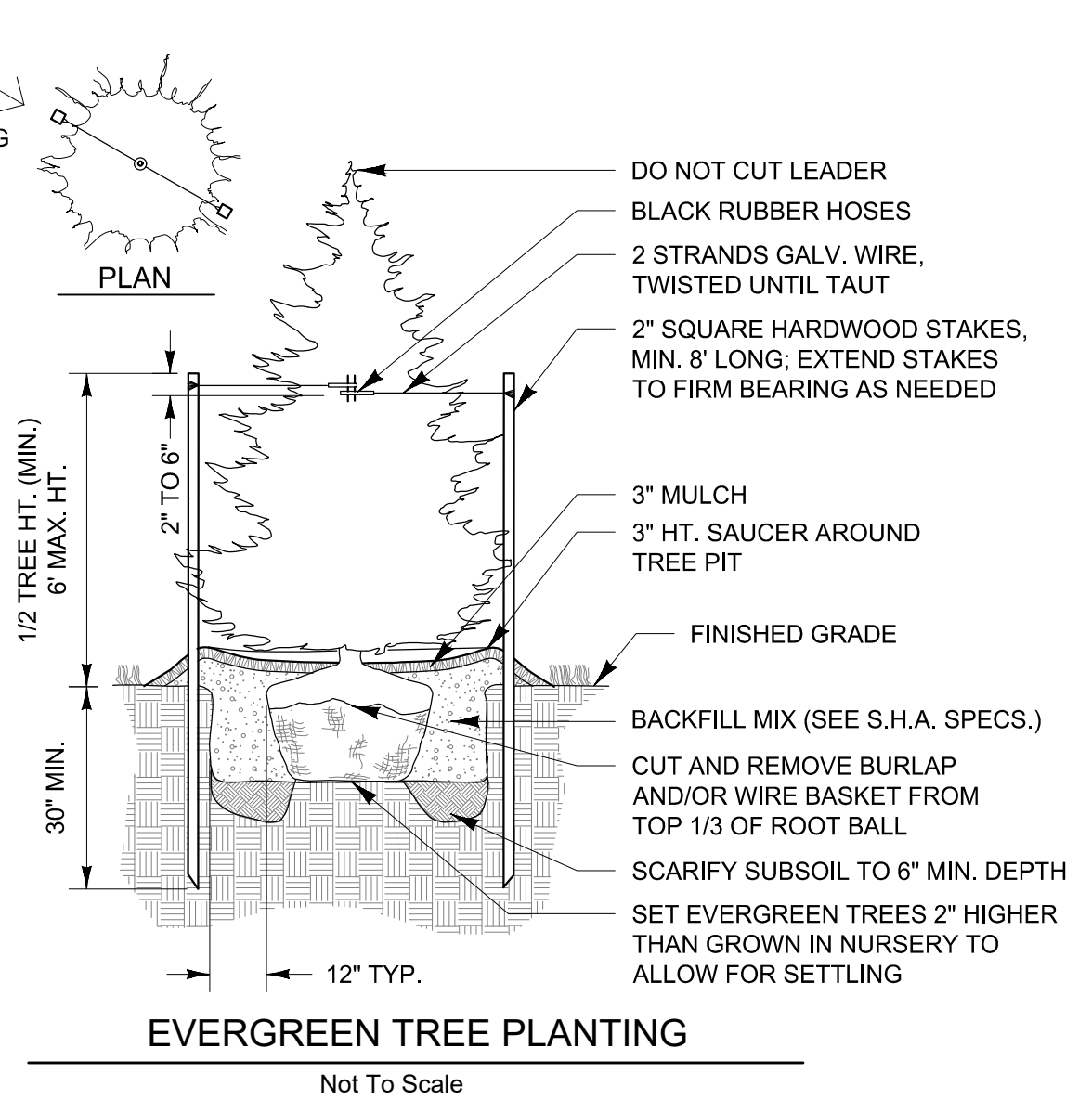
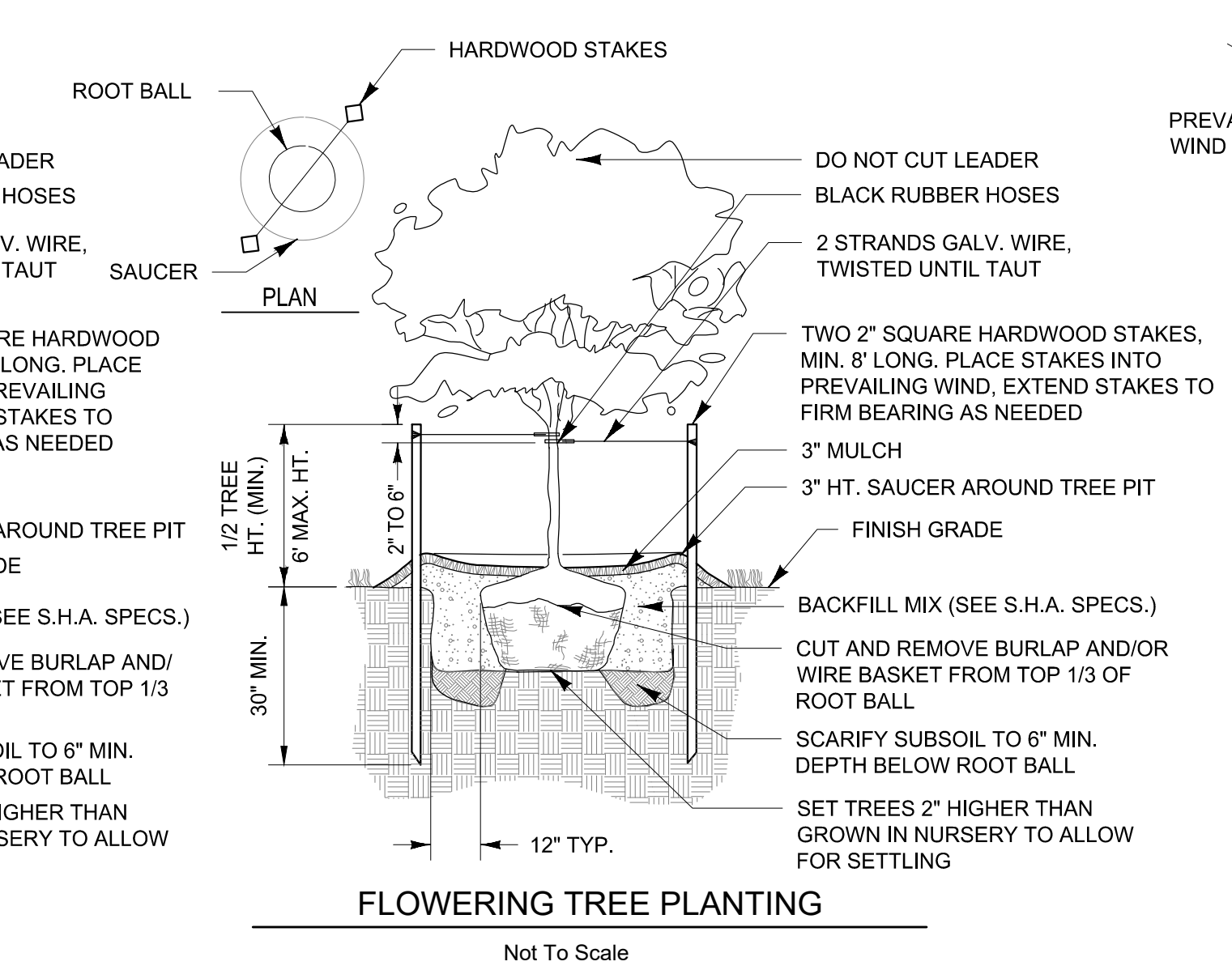
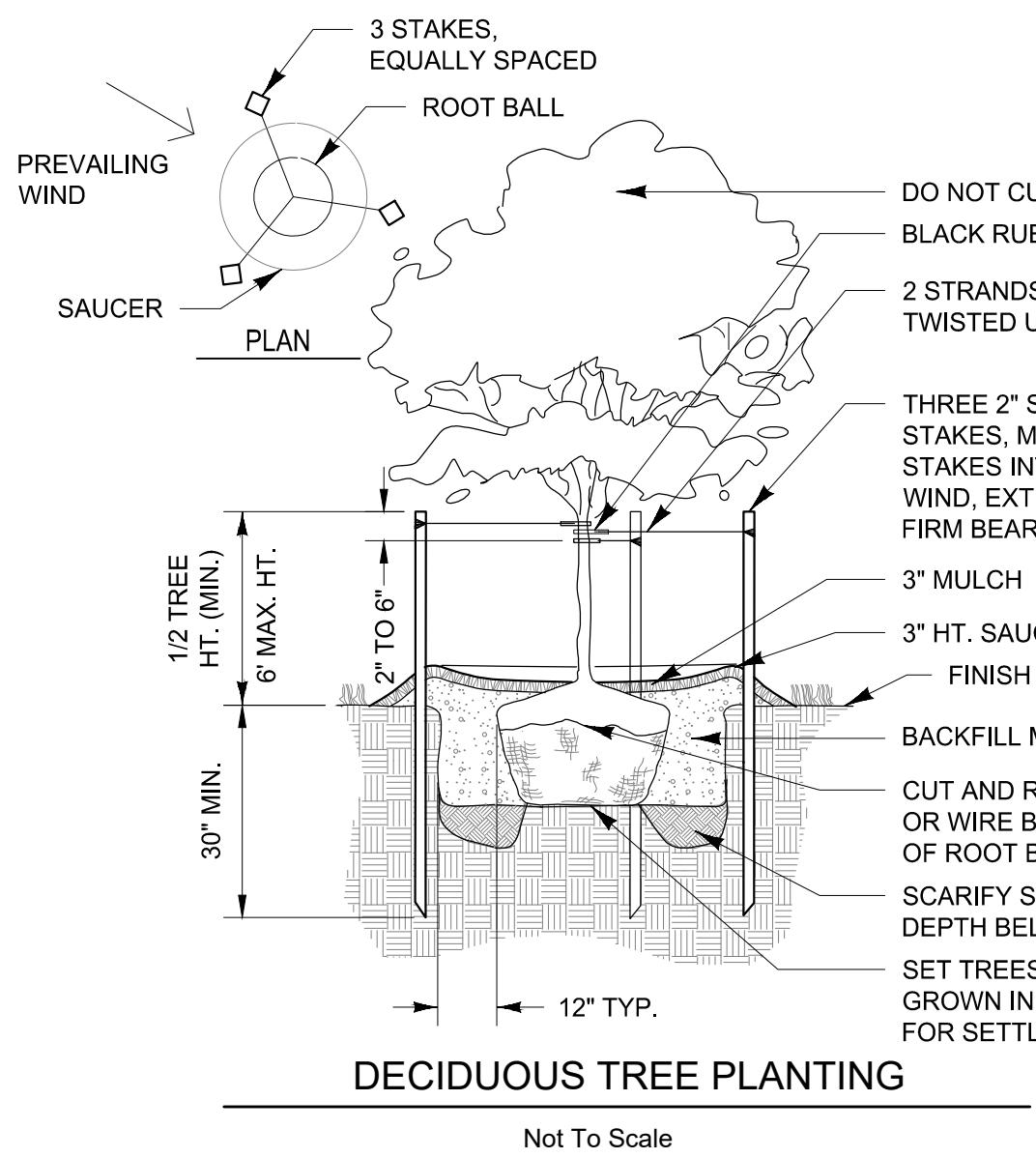
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- (Pole symbol) --- Prop. Pole
- (Structure symbol) --- Proposed Structure
- (Curb symbol) --- Proposed Curb & Gutter
- (Sidewalk symbol) --- Proposed Sidewalk
- (Concrete symbol) --- Proposed Concrete
- (Shade Tree symbol) --- Proposed Shade Tree
- (Flowering Tree symbol) --- Proposed Flowering Tree
- (Evergreen Tree symbol) --- Proposed Evergreen Tree
- (Shrubs symbol) --- Proposed Shrubs
- (Turf Area symbol) --- Proposed Turf Area
- LOD --- Limit of Disturbance

PLANT SCHEDULE

KEY	#	SCIENTIFIC NAME	COMMON NAME	SIZE	CONTAINER	SPACING	MATURE SIZE (H & W)	NOTES
SHADE TREES								
QP	2	<i>Quercus palustris</i>	Pin Oak	2" cal.	B & B	40' O.C.	H: 50'-70' W: 40'-60'	
TOTAL	2							
FLOWERING TREES								
AC	6	<i>Amelanchier canadensis</i>	Serviceberry	1 1/2" cal.	B & B	14' O.C.	H: 25'-30' W: 15'-20'	
TOTAL	6							
EVERGREEN TREES								
IV	5	<i>Ilex vomitoria</i>	Yaupon Holly	6' HL.	B & B	9' O.C.	H: 10'-20' W: 8'-12'	
TOTAL	5							
SHRUBS								
CO	13	<i>Cephalanthus occidentalis</i>	Buttonbush	5 Gallon	Container	7' O.C.	H: 5'-12' W: 4'-8"	
HM	29	<i>Hibiscus moscheutos</i>	Swamp Rose Mallow	5 Gallon	Container	30' O.C.	H: 3'-7' W: 2'-4'	
Total	42							



- NOTES:**
- FOR CONTAINER SHRUBS, COMPLETELY REMOVE ALL NON-BIODEGRADABLE CONTAINERS AND SCARIFY ROOTBALL BY USING A SHARP BLADE AND MAKING 4 TO 5 ONE INCH CUTS THE LENGTH OF THE ROOTBALL.
 - FOR B&B SHRUBS, CUT AND REMOVE BURLAP FROM TOP 1/3 OF ROOTBALL.



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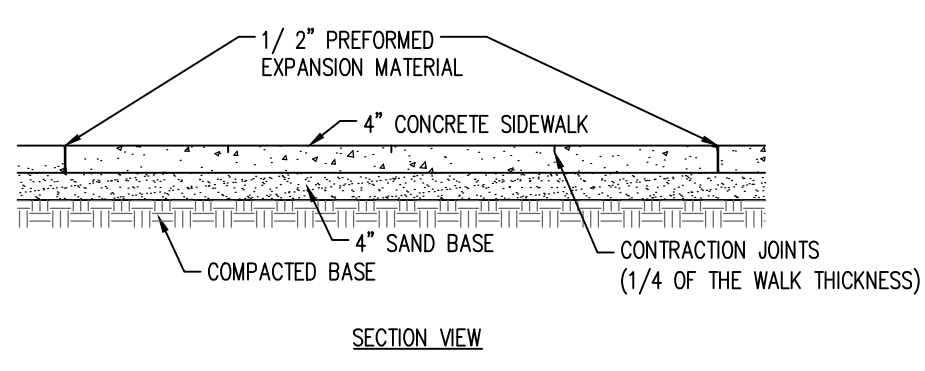
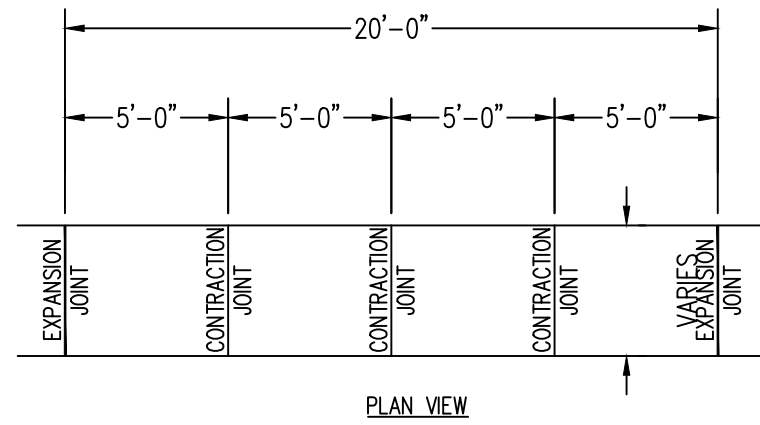
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Scale	As indicated	Date	2/5/2023
Job No.	24001561.002A	Designed by	RDT/CWG
Drawn by	RDT/CWG	Checked by	MJP/DRS
Approved by		Status	1

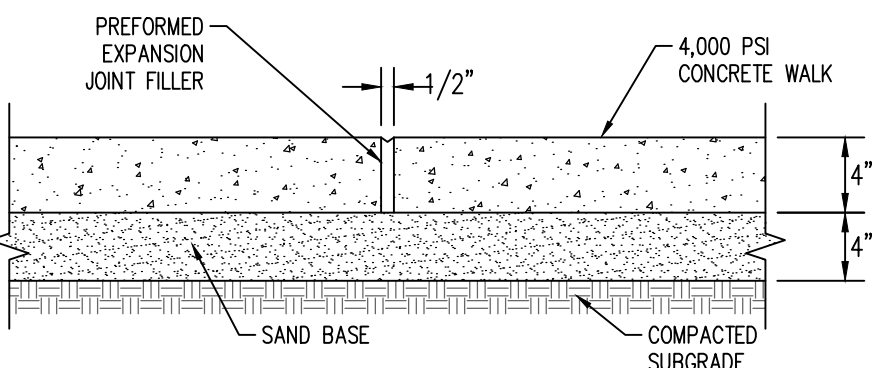
FOSTORIA SPLASHPAD

Landscape Plan

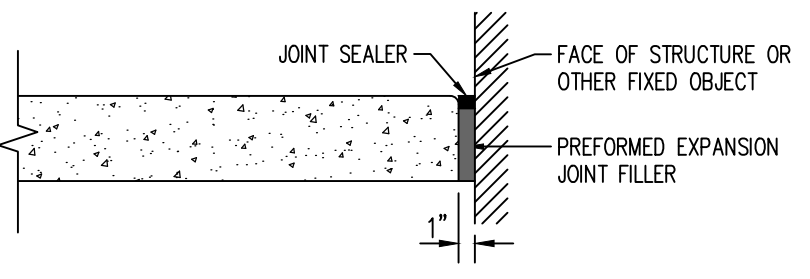
C-06



TYPICAL SIDEWALK DETAIL
NOT TO SCALE

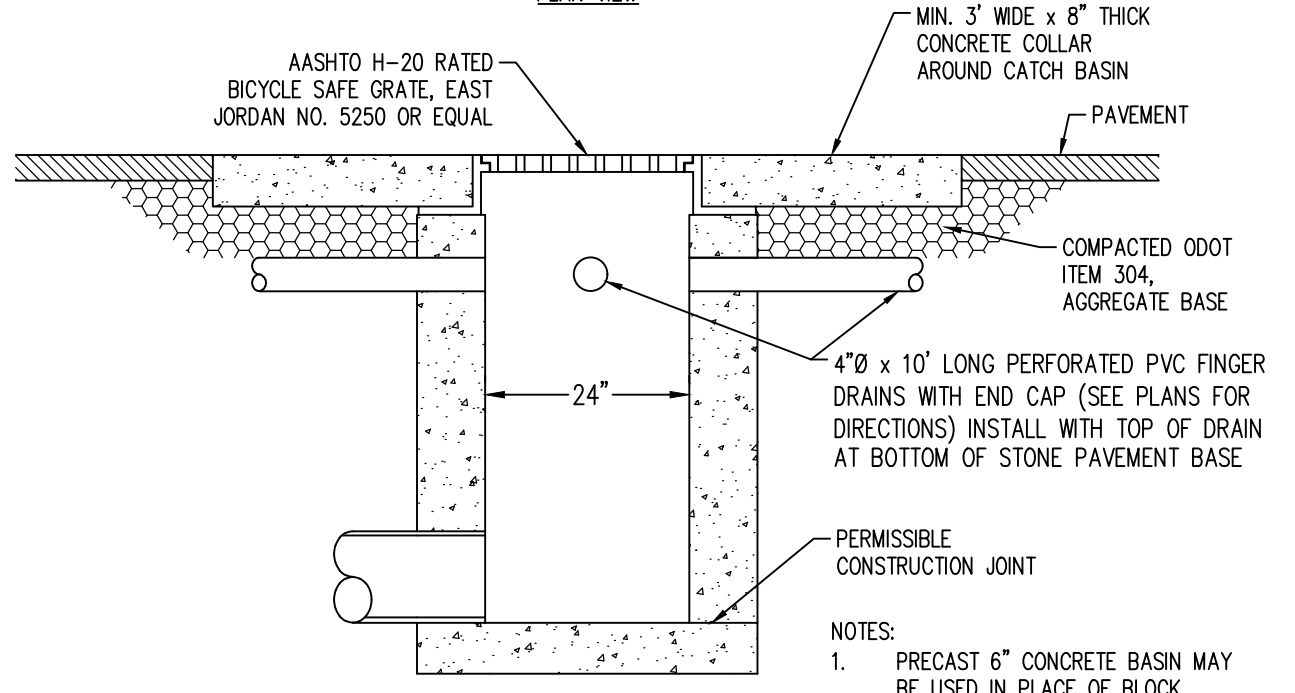
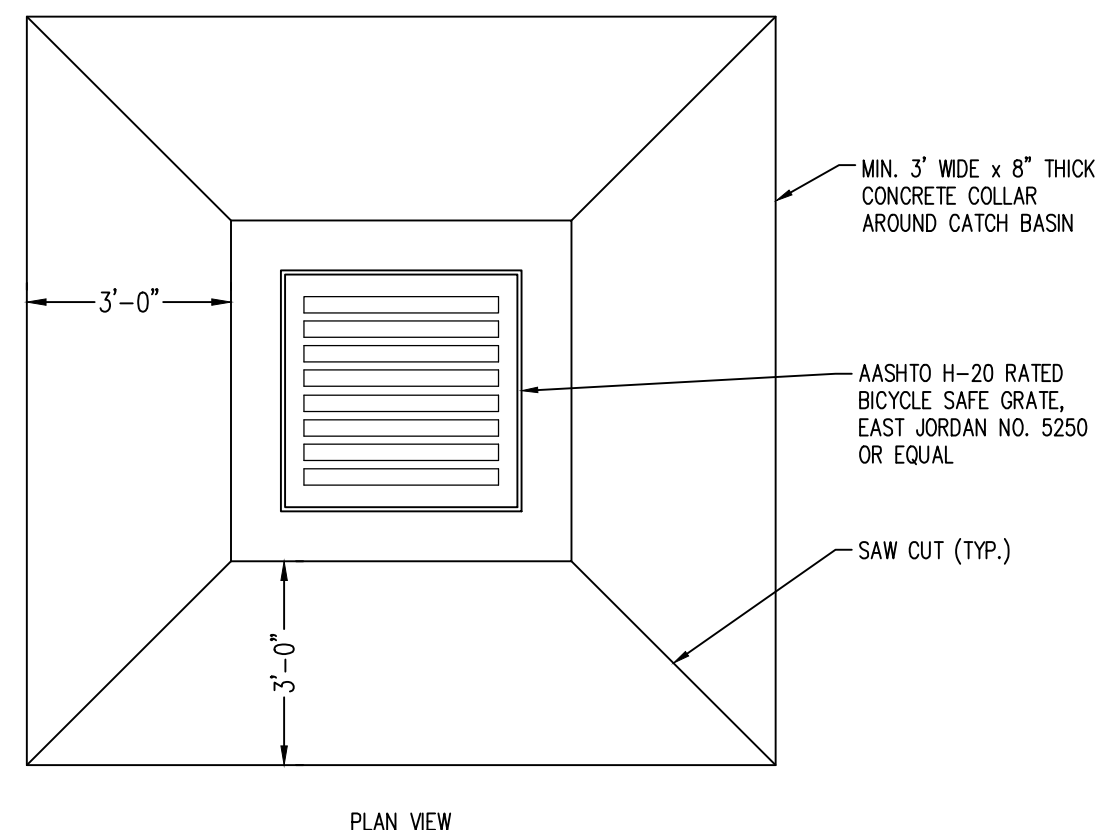


SIDEWALK EXPANSION JOINT
NOT TO SCALE

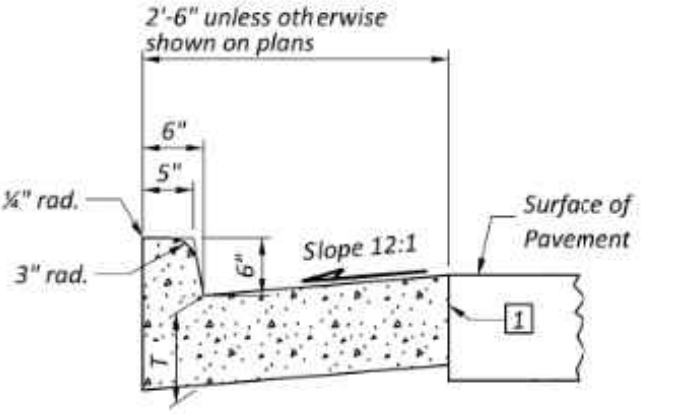


EXPANSION JOINT AT RIGID STRUCTURE DETAIL
NOT TO SCALE

NOTES:
1. THIS JOINT TO BE USED WHENEVER CONCRETE PAVEMENT ABUTS A RIGID STRUCTURE (RETAINING WALLS, BUILDINGS WALLS, ETC.)



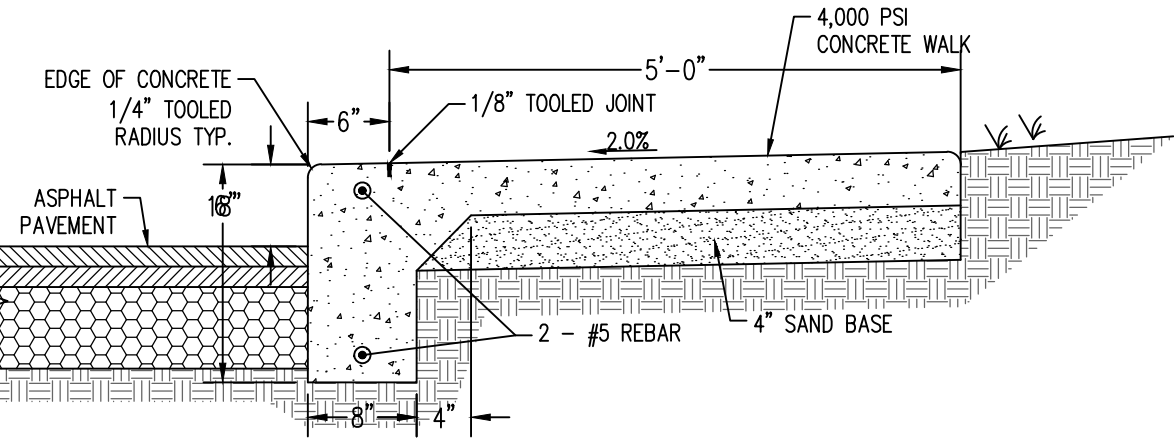
CATCH BASIN DETAIL
NOT TO SCALE



TYPE 2

1. Butt joints shall be provided between combined curb-and-gutter and new or existing rigid pavements, with the bars or hook bolts provided at intervals of 5'. See SCD BP-2.1 for details of tie bars and hook bolts.
If the combined curb-and-gutter adjoins a new rigid base or an existing rigid base or pavement that is to be surfaced with asphalt concrete, a butt joint shall also be provided. However, the bars or hook bolts shall be omitted when the vertical overlap (\"/>

ODOT CURB TYPE 2
NOT TO SCALE



INTEGRAL CONCRETE CURB & WALK
NOT TO SCALE

SITE WORK SPECIFICATIONS

- SUMMARY**
 - WORK INCLUDES CLEARING, GRUBBING, GRADING, EROSION CONTROL, UNDERGROUND UTILITIES, PAVING, SITE RESTORATION, AND INCIDENTAL ITEMS AS SHOWN AND AS SPECIFIED.
 - CONSTRUCTION LIMITS SHALL BE WITHIN OWNERS PROPERTY BOUNDARIES AND CONSTRUCTION EASEMENTS AS SHOWN ON DRAWINGS.
 - REGULATIONS** THE CONTRACTOR IS RESPONSIBLE FOR INITIATING, MAINTAINING, SUPERVISING, AND COMPLYING WITH ALL FEDERAL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), STATE, AND LOCAL SAFETY REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING SAFEGUARDS, SAFETY DEVICES, AND PROTECTIVE EQUIPMENT NECESSARY FOR THE PROTECTION OF PERSONS AND PROPERTY AFFECTED BY THE PROJECT AT ALL TIMES. SHEETING, BRACING, CRIBBING, ETC. MUST BE INSTALLED AS REQUIRED TO PROVIDE MAXIMUM SAFETY TO THE CONTRACTOR'S WORKERS IN FULL COMPLIANCE WITH OSHA REGULATIONS. IN ADDITION, THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE PROJECT TO PREVENT UNAUTHORIZED PERSONNEL FROM HAZARDOUS OR DANGEROUS CONDITIONS.
 - SPECIFICATIONS: GENERAL NOTES**
 - ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CONSTRUCTION STANDARDS AND SPECIFICATIONS OF THE STATE LOCAL/MUNICIPAL/TOWNSHIP AND/OR COUNTY DEPARTMENT OF TRANSPORTATION LATEST EDITION AND CONSTRUCTION STANDARDS, UNLESS OTHERWISE NOTED, AND TENANT REQUIREMENTS AS DEPICTED IN THESE PLANS. IN ADDITION, ALL WORK WILL BE IN COMPLIANCE WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AND REGULATIONS, UNLESS NOTED OTHERWISE.
 - THE CONTRACTOR SHALL FURNISH SUPERVISION, LABOR, MATERIALS, AND EQUIPMENT, AND SHALL PERFORM ALL WORK AND SERVICES NECESSARY TO COMPLETE IN A SATISFACTORY MANNER THE SITE PREPARATION, EXCAVATION, FILLING, COMPACTION, AND GRADING, AS SHOWN ON THE APPROVED AND ISSUED FOR CONSTRUCTION PLANS, AS DESCRIBED THEREIN.
 - CONSTRUCTION SURVEYING**
 - THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR LAYING OUT THE LOCATION, ALIGNMENT, ELEVATION, AND GRADE OF ALL WORK SHOWN ON THE DRAWINGS AND SPECIFICATIONS.
 - THE CONTRACTOR SHALL USE COMPETENT PERSONNEL AND SUITABLE EQUIPMENT. IF NECESSARY, THE CONTRACTOR SHALL EMPLOY A REGISTERED ENGINEER OR SURVEYOR TO SUPERVISE THE WORK.
 - VERIFICATION AND PROTECTION**
 - VERIFY LOCATIONS OF SURVEY CONTROL POINTS PRIOR TO STARTING WORK. PROMPTLY NOTIFY OWNER OF ANY DISCREPANCIES DISCOVERED.
 - PROTECT OR RELOCATE SURVEY CONTROL POINTS PRIOR TO STARTING SITE WORK; PRESERVE PERMANENT REFERENCE POINTS DURING CONSTRUCTION.
 - ELEVATION DATUM:** ALL ELEVATIONS ARE BASED ON U.S.G.S. DATUM. (ONLY IF NEEDED).
- PROJECT RECORD DRAWINGS**
 - KEEP A CURRENT SET OF DRAWINGS AT JOB SITE THAT ARE MARKED TO SHOW LOCATION OF ITEMS CONCEALED UPON COMPLETION OF WORK AND ALL CHANGES MADE DURING CONSTRUCTION. DIMENSION UNDERGROUND AND CONCEALED WORK AND UTILITIES FROM PERMANENT REFERENCE POINTS; RECORD VERTICAL DISTANCES. SUBMIT PROJECT RECORD DRAWINGS TO OWNER UPON COMPLETION OF WORK IN THE FORM OF EITHER AUTOCAD OR MICROSTATION ELECTRONIC FILES.
 - COORDINATION**
 - THE CONTRACTOR SHALL COORDINATE THE STAGING AREA LOCATION FOR MATERIALS, EQUIPMENT, AND EMPLOYEE PARKING WITH THE OWNER.
 - THE OWNER'S BUILDING OPERATIONS SHALL BE MAINTAINED AT ALL TIMES; CONSTRUCTION SCHEDULE AND TRAFFIC MAINTENANCE SHALL BE APPROVED BY THE OWNER.
 - UNDERGROUND UTILITIES**
 - THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS HAVE BEEN OBTAINED BY DILIGENT FIELD CHECKS, FROM THE RESPECTIVE UTILITY OWNERS, AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THEY ARE ESSENTIALLY CORRECT BUT THE OWNER DOES NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS.
 - THE CONTRACTOR IS RESPONSIBLE FOR THE INVESTIGATION, LOCATION, TYPE & MATERIAL, SUPPORT, PROTECTION AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES WHETHER SHOWN ON THESE PLANS OR NOT. THE CONTRACTOR SHALL EXPOSE ALL UTILITIES OR STRUCTURES PRIOR TO CONSTRUCTION TO VERIFY THE VERTICAL AND HORIZONTAL EFFECT ON THE PROPOSED IMPROVEMENTS.
 - UTILITY NOTIFICATION:** AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS IN AN AREA WHICH MAY INVOLVE UNDERGROUND UTILITY FACILITIES, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, THE UTILITY PROTECTION SERVICE AND THE OWNERS OF ANY UNDERGROUND UTILITY FACILITY SHOWN IN THE PLANS.
 - THE CONTRACTOR IS RESPONSIBLE TO ENSURE THE CONTINUITY OF SERVICE TO THE OVERALL UTILITY SYSTEMS AS ISOLATED REMOVALS OF SYSTEM COMPONENTS OCCURS AND AS NEW COMPONENTS ARE ADDED AND CONNECTED TO THE VARIOUS SYSTEMS.
 - IF ACTIVE UTILITIES ARE ENCOUNTERED BUT NOT SHOWN ON THE DRAWINGS, THE OWNER SHALL BE ADVISED BEFORE WORK IS CONTINUED.
 - INACTIVE AND ABANDONED UTILITIES ENCOUNTERED IN EXCAVATING AND GRADING OPERATIONS SHALL BE REPORTED TO THE OWNER. THEY SHALL BE REMOVED, PLUGGED OR CAPPED AS DIRECTED BY THE UTILITY COMPANY OR THE ENGINEER.
 - CONNECTIONS TO EXISTING PIPE: WHERE THE PLANS PROVIDE FOR PROPOSED CONDUIT TO BE CONNECTED TO, OR TO CROSS OVER OR UNDER AN EXISTING SEWER, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE THE EXISTING PIPE BOTH AS TO LINE AND GRADE BEFORE HE STARTS TO LAY THE PROPOSED CONDUIT.
 - MAINTENANCE OF SEWER FLOWS: THE CONTRACTOR SHALL SO CONDUCT HIS OPERATIONS SO AS TO MAINTAIN AT ALL TIMES SEWER FLOWS THROUGH EXISTING FACILITIES.
 - ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT IS ACCEPTED.
 - REMOVALS**
 - REMOVAL OF EXISTING PAVEMENT SHALL BE ACCOMPLISHED BY SAW CUTTING IN A NEAT, STRAIGHT LINE TO PROVIDE A SMOOTH VERTICAL SURFACE. FOR ASPHALT PAVEMENT ENSURE THAT THE JUNCTURE BETWEEN NEW AND EXISTING PAVEMENT IS FLUSH AND MADE IN A MANNER TO ENSURE A CONTINUOUS BOND. CLEAN FACE AND APPLY A TACK COAT JUST PRIOR TO PLACING NEW ASPHALT PAVEMENT PER THE APPROPRIATE SECTION SHOWN ON THE PLANS. FOR CONCRETE PAVEMENT APPLY A BONDING AGENT JUST PRIOR TO PLACING NEW CONCRETE PAVEMENT PER THE SECTION ON THIS PLANS.
 - PROTECTION**
 - PROTECT IMPROVEMENTS ON SITE AND ON ADJOINING PROPERTIES. PROVIDE BARRICADES, COVERINGS, OR OTHER TYPES OF PROTECTION AS NECESSARY TO PREVENT DAMAGE AND TO SAFEGUARD AGAINST INJURY. RESTORE TO ORIGINAL CONDITION IMPROVEMENTS DAMAGED BY THE WORK OR IMPROVEMENTS WHICH REQUIRED TEMPORARY REMOVAL DURING CONSTRUCTION.
 - THE CONTRACTOR SHALL PROVIDE SHORING, BRACING, LATERAL SUPPORTS, ETC. AND TAKE WHATEVER PRECAUTIONS NECESSARY TO PREVENT THE UNDERMINING OF ADJACENT EXISTING FOUNDATIONS AND MAINTAIN THE STRUCTURAL INTEGRITY OF EXISTING STRUCTURES.
 - THE CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION AGAINST DAMAGE TO ALL EXISTING UTILITIES, STRUCTURES, AND COMPLETED PORTIONS OF THE WORK, AND TO PREVENT INJURIES TO PERSONS. IT SHALL BE THE CONTRACTORS SOLE RESPONSIBILITY TO MAINTAIN THE INTEGRITY OF ALL UTILITIES, STRUCTURES, AND ADJUTING PROPERTIES. THE COST OF ANY REPAIR OR REPLACEMENT OF DAMAGED ITEMS SHALL BE BORNE SOLELY BY THE CONTRACTOR. THE CONTRACTOR SHALL MAINTAIN FULL RESPONSIBILITY FOR ALL METHODS, MEANS AND PROCEDURES RELATED TO CONSTRUCTION.

- TRENCHING FOR UTILITIES**
 - EXCAVATE TRENCHES SO THAT PIPE CAN BE LAID SAFELY AND ACCURATELY TO REQUIRED LINE AND GRADE. HAND EXCAVATE FOR BELLS, FITTINGS AND PROJECTIONS TO ALLOW FOR PROPER JOINTING AND TO INSURE THAT PIPE RESTS EVENLY ALONG BARREL AND IS NOT RESTING ON BELL.
 - IF ROCK IS ENCOUNTERED DURING TRENCHING, CONTACT OWNER BEFORE PROCEEDING FURTHER WITH AFFECTED PIPELINE.
 - DEWATER TRENCHES AS REQUIRED TO PROVIDE STABLE BEDDING FOR PIPE. DEWATERING WILL BE INCIDENTAL TO WORK; NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
 - WHEN TRENCH BOTTOM IS UNSTABLE BECAUSE OF GROUND WATER, GEOTECHNICAL ENGINEER MAY REQUIRE EXTRA EXCAVATION TO REMOVE UNSTABLE MATERIAL AND REPLACE IT WITH CRUSHED STONE.
 - IN SAND AND GRAVEL SOILS, BOTTOM OF TRENCH MAY BE SHAPED TO FIT BOTTOM 1/3 OF PIPE. IN SILT AND CLAY SOILS, BOTTOM OF TRENCH SHALL BE 4 INCHES BELOW PIPE BARREL AND 3 INCHES BELOW BELL. IN ROCK, BOTTOM OF TRENCH SHALL BE 6 INCHES BELOW PIPE BARREL. UNDER FOUNDATIONS AND FOOTINGS, BOTTOM OF TRENCH SHALL BE 8 INCHES BELOW PIPE BARREL.
 - BEDDING, HAUNCHING, AND INITIAL BACKFILL FOR RIGID PIPES SHALL BE IN ACCORDANCE WITH ASTM C12, CLASS C OR BETTER. TRENCHES DUG IN SANDY OR GRAVEL MATERIALS MAY USE UNDISTURBED EARTH FOR BEDDING PROVIDED SURFACE IS SHAPED TO CONFORM TO PIPE. PROVIDE GRANULAR BEDDING IN ALL OTHER TRENCHES FROM SUBGRADE TO A POINT SUPPORTING BOTTOM 1/3 OF PIPE FOR RIGID PIPE AND TO SPRINGLINE (MID-HEIGHT) FOR FLEXIBLE PIPE. PLACE AND COMPACT BEDDING SO THAT IT FILLS AND SUPPORTS PIPE HAUNCH AREA.
 - PROVIDE TAMPED GRANULAR INITIAL BACKFILL UP TO A MINIMUM DEPTH OF 1 FOOT ABOVE PIPE. TAKE SPECIAL CARE IN PLACING AND TAMPING INITIAL BACKFILL MATERIAL SO ALIGNMENT AND GRADE OF PIPE IS NOT DISTURBED NOR PIPE DAMAGED.
 - BACKFILL MORE THAN 1 FOOT OVER PIPE SHALL BE GRANULAR BACKFILL. COMPACT BACKFILL IN ACCORDANCE WITH REQUIREMENTS OF "SITE GRADING" ARTICLE.
 - GRANULAR BEDDING SHALL BE PLACED WITH A MINIMUM THICKNESS OF 6 INCHES (6") BENEATH THE BARREL AND BELL OF THE PIPE. THE 6 INCH (6") GRANULAR BEDDING BENEATH THE PIPE SHALL BE TAMPERED PRIOR TO THE PIPE PLACEMENT. GRANULAR BEDDING SHALL EXTEND UP AND AROUND THE PIPE TO 12 INCHES (12") ABOVE THE PIPE AND SHALL BE COMPACTED IN GRAVEL AGGREGATE FOR PVC PIPE. BEDDING SHALL BE COMPACTED IN ACCORDANCE WITH STATE DOT STANDARD SPECIFICATIONS.
 - PIPE BACKFILL SHALL INCLUDE THE MATERIAL PLACED OVER THE PIPE EMBEDMENT MATERIAL. TRENCHES COMING WITHIN FIVE FEET (5') OF PAVED OR STONED STREETS, ALLEYS, DRIVEWAYS, SIDEWALKS, AND PARKING AREAS SHALL BE BACK FILLED FOR THEIR FULL DEPTH WITH GRANULAR MATERIAL MEETING THE REQUIREMENT OF BACKFILL FOR TYPE "B" CONDUITS. THE TOP OF THE BACKFILL SHALL EXTEND FROM FIVE FEET (5') OUTSIDE CURB TO FIVE FEET (5') IF APPLICABLE. THE COST OF PROVIDING THE COMPACTED GRANULAR BACKFILL SHALL BE INCLUDED IN THE CONTRACTORS BID. GRANULAR BACKFILL SHALL BE MECHANICALLY COMPACTED 304 STONE AND SHALL BE COMPACTED TO 98% OF MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST.
- WATERLINE**
 - THE SPECIFICATIONS OF THE AMERICAN NATIONAL STANDARDS INSTITUTE, AMERICAN WATER WORKS ASSOCIATION AND THE AMERICAN SOCIETY OF TESTING AND MATERIALS HEREIN REFERRED TO FOR WATER SERVICE MAIN PIPE, GATE VALVES, FIRE HYDRANTS, AND OTHER APPURTENANCES, UNLESS OTHERWISE NOTED, SHALL BE THE LATEST SPECIFICATIONS AND STANDARDS OF THE RESPECTIVE ORGANIZATIONS.

REFERENCE STANDARDS
THE WORK SHALL CONFORM TO APPLICABLE PROVISIONS OF THE FOLLOWING REFERENCE STANDARDS, LATEST EDITION, EXCEPT AS MODIFIED HEREIN.

Standard	Reference
ASTM A356	STANDARD SPECIFICATIONS FOR DUCTILE IRON CASTINGS
AWWA C111	RUBBER-GASKET JOINTS FOR DUCTILE-IRON PRESSURE PIPE AND FITTINGS
AWWA C151	DUCTILE IRON CENTRIFUGALLY CAST
AWWA C153	DUCTILE IRON COMPACT FITTINGS FOR WATER SERVICE
AWWA C104	CEMENT-MORTAR LINING FOR DUCTILE-IRON PIPE AND FITTINGS
AWWA C502	DRY-BARREL FIRE HYDRANTS
AWWA C509	RESILIENT-SEATED GATE VALVES FOR WATER SUPPLY SERVICE
AWWA C800	INSTALLATION OF DUCTILE-IRON WATER MAINS AND THEIR APPURTENANCES
AWWA C805	UNDERGROUND INSTALLATION OF POLYVINYL CHLORIDE (PVC) PRESSURE PIPE AND FITTINGS FOR WATER
AWWA C851	DISINFECTING WATER MAINS
AWWA C800	UNDERGROUND SERVICE LINE VALVE AND FITTINGS
AWWA C901	POLYETHYLENE (PE) PRESSURE PIPE AND TUBING, 1/2 IN. THROUGH 3 IN. FOR WATER SERVICE
AWWA C900	POLYVINYL CHLORIDE (PVC) PRESSURE PIPE AND FABRICATED FITTINGS, 4 IN. THROUGH 12 IN. FOR WATER TRANSMISSION AND DISTRIBUTION.
AWWA C905	POLYVINYL CHLORIDE (PVC) PRESSURE PIPE AND FABRICATED FITTINGS, 14 IN. THROUGH 48 IN.
AWWA C909	MOLECULARLY ORIENTED POLYVINYL CHLORIDE (PVCO) PRESSURE PIPE 4 IN. THROUGH 24 IN. FOR WATER, WASTEWATER AND RECLAIMED WATER SERVICE.
ODOT CMS	OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION MATERIALS SPECIFICATIONS.
	TEN STATE STANDARDS - RECOMMENDED STANDARDS FOR WATER WORKS.

CONFORMANCE TO THE TEN STATES STANDARDS SHALL BE EQUALED OR EXCEEDED FOR WATER LINES. PARTICULAR EMPHASIS SHALL BE PUT UPON THE FOLLOWING SECTIONS OF PART 8:
8.0.1 MATERIALS CONFORM TO AWWA STANDARDS
8.1.2 MINIMUM 6" DIAMETER FOR FIRE PROTECTION
8.5.3 MINIMUM 4' GROUND COVER
8.5.5 PRESSURE TESTING AWWA C-600"
8.5.6 DISINFECTION AWWA C-651"
8.6.2 VERTICAL SEPARATION MAIN/SEWER (18")
8.6.3 HORIZONTAL SEPARATION MAIN/SEWER (10")
8.6.6 NO ENTRY AND NO CONTACT WITH SEWER MANHOLES

ANY DEVIATION FROM THE ABOVE WILL NOT BE PERMITTED. IN CASES WHERE ONE AND/OR MORE OF THE ABOVE MENTIONED STANDARDS FALL SHORT OF THE WATER DEPARTMENT STANDARDS, THE LATTER SHALL GOVERN.

- WATER MAIN INSTALLATION WATER MAINS SHALL BE INSTALLED IN ACCORDANCE WITH THE RECOMMENDATIONS OF MANUFACTURER AND AWWA C600 AND AWWA C605.
ALL WATERLINES SHALL BE INSTALLED WITH A MINIMUM OF 5 FEET OF GROUND COVER, AS MEASURED FROM THE TOP OF THE PIPE TO FINISHED GRADE OR AS MODIFIED ON THE PLANS. WATERLINE SERVICE CONNECTIONS SHALL BE INSTALLED WITH A MINIMUM OF 4 FEET OF COVER.
PIPE SECTIONS LESS THAN 10-FEET IN LENGTH SHALL NOT BE USED WHERE A FULL PIPE SECTION CAN BE USED.

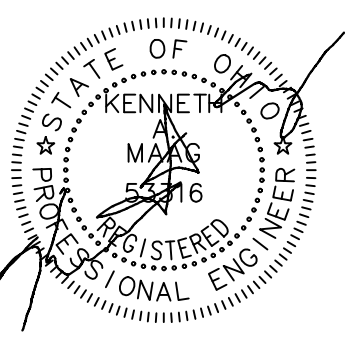
ALL PIPES SHALL BE THOROUGHLY CLEANED INSIDE AND OUTSIDE BEFORE BEING LOWERED INTO THE TRENCH AND SHALL BE KEPT CLEAN DURING THE INSTALLATION. THE END OF THE PIPE SHALL BE PLUGGED TO EXCLUDE WATER, ANIMALS OR OTHER DEBRIS FROM ENTERING PIPE.

GENERAL NOTES

WATER MAINS SHALL BE TESTED AND STERILIZED UNDER THE DIRECT SUPERVISION OF WATER DEPARTMENT PERSONNEL. MATERIAL TO BE FURNISHED BY THE CONTRACTOR ACCORDING TO SPECIFICATIONS. ALL EXCAVATION AND BACKFILL TO BE PERFORMED BY THE CONTRACTOR, UNLESS OTHERWISE SPECIFIED.

THE WATER DEPARTMENT SHALL BE NOTIFIED IN WRITING BY THE CONTRACTOR AT LEAST SEVEN (7) DAYS BEFORE BEGINNING ANY WATER MAIN CONSTRUCTION.

ONLY WATER DEPARTMENT PERSONNEL ARE TO OPERATE WATER DEPARTMENT VALVES.



Scale	Date	As indicated
	2/5/2023	

Revision No.	Date	Description
03/01/24		ISSUED FOR BIDDING
07/23/24		ISSUED FOR CONSTRUCTION
10/05/24		ISSUED FOR OADR REVIEW

Scale	Date	As indicated
	2/5/2023	

Job No.	Drawn by	Checked by	Approved by	Status
240011561 002A	RDT/CWG	MUP/DRS		1

Client: CITY OF FOSTORIA, OH
Project: FOSTORIA SPLASHPAD
Drawing: Site Notes & Details

T:\2024\Facilities\240011561_002A Fostoria Splash Pad\CIVIL\CADD\Drawings\240011561_002A (C-07-08) SITE NOTES & DETAILS.dwg Feb. 28, 2024 9:27am cpoodwin



GENERAL CONDITIONS

- 1. THE CONTRACTOR SHALL EXAMINE THE STRUCTURAL DRAWINGS AND SHALL NOTIFY THE STRUCTURAL ENGINEER...
2. ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS...
3. SPECIFIC NOTES AND DETAILS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS...
4. IF A SPECIFIC DETAIL IS NOT SHOWN FOR ANY PART OF THE WORK, THE CONSTRUCTION SHALL BE THE SAME AS FOR SIMILAR WORK...
5. WORKING DIMENSIONS SHALL NOT BE SCALED FROM PLANS, SECTIONS, OR DETAILS ON THESE DRAWINGS...
6. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT AND THE STRUCTURAL ENGINEER OF ANY CONDITION THAT, IN HIS OPINION, MIGHT ENDANGER THE STABILITY OF THE STRUCTURE OR CAUSE DISTRESS TO THE STRUCTURE...
7. THE CONTRACTOR SHALL SUPERVISE AND DIRECT HIS WORK AND HE SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES...
8. REFER TO THE ARCHITECTURAL DRAWINGS FOR INFORMATION NOT COVERED BY THESE GENERAL NOTES OR THE STRUCTURAL DRAWINGS...
9. ALL CONSTRUCTION SHALL BE DONE WITH MATERIALS, METHODS, AND WORKMANSHIP ACCEPTED AS GOOD PRACTICE BY THE CONSTRUCTION INDUSTRY AND IN CONFORMANCE WITH THE PROVISIONS OF THE IBC AND/OR LOCAL CODES AND STANDARDS REFERENCED THEREIN...
10. PIPES, DUCTS, SLEEVES, OPENINGS, POCKETS, CHASES, BLOCK-OUTS, ETC., SHALL NOT BE PLACED IN SLABS, FOUNDATIONS, ETC., NOR SHALL ANY STRUCTURAL MEMBER BE CUT FOR SUCH ITEMS, UNLESS SPECIFICALLY DETAILED ON THESE STRUCTURAL DRAWINGS...
11. ALTERNATE ASSEMBLIES AND MATERIALS MAY BE CONSIDERED FOR REVIEW. ENGINEER MAY REQUEST PAYMENT, FROM CONTRACTOR FOR REVIEW, WHERE SPECIFIC MANUFACTURERS ITEMS CALLED OUT, THIS SHOULD BE CONSIDERED A "BASIS OF DESIGN" FOR DESIGN PURPOSES ONLY.

JOB-SITE SAFETY

- 1. THE ENGINEER AND/OR ARCHITECT HAVE NOT BEEN RETAINED OR COMPENSATED TO PROVIDE DESIGN AND/OR ARCHITECTURE REVIEW SERVICES RELATED TO THE CONTRACTORS SAFETY PRECAUTIONS OR TO MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES FOR THE CONTRACTOR TO PERFORM HIS WORK...
2. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE WHEN COMPLETED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE PROCEDURES FOR ERECTION AND CONSTRUCTION SEQUENCES...
3. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ADEQUATE SHORING OR BRACING DURING CONSTRUCTION TO RESIST FORCES SUCH AS WIND AND UNBALANCED LOADING DUE TO CONSTRUCTION.

FOUNDATIONS

- 1. FOUNDATIONS SHALL BE ON UNDISTURBED SOIL OR ENGINEERED FILL PROVIDING A BEARING CAPACITY EQUAL OR GREATER THAN THE PRESUMPTIVE BEARING CAPACITIES PROVIDED IN THE OHIO BUILDING CODE TABLE 1806...
2. SUBGRADE PREPARATION, DRAINAGE PROVISIONS, AND OTHER RELEVANT SOIL CONSIDERATIONS ARE TO BE IN ACCORDANCE WITH SAID SOILS REPORT...
3. A GEOTECHNICAL ENGINEER WILL BE RETAINED BY THE OWNER TO PROVIDE OBSERVATION AND TESTING SERVICES DURING FOUNDATION SOILS EXCAVATION, BACKFILL, GRADING, COMPACTION AND SUBGRADE PREPARATIONS...
4. FILL UNDER BUILDING SLABS SHALL BE MADE WITH CRUSHED STONE COMPACTED TO NOT LESS THAN 100% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-698 UNLESS NOTED OTHERWISE IN THE GEOTECHNICAL REPORT...
5. ALLOW FOR ADDITIONAL #6 BAR, TIE TO BOTTOM MAT OF REINFORCING FOR GROUNDING CONNECTION (SEE ELECTRICAL)...
6. FOUNDATION ELEMENTS BEARING ON SHALLOW FOUNDATIONS SHALL BEAR ON SUBGRADE WITH A MINIMUM BEARING PRESSURE AS SHOWN ABOVE AND SHALL BE TESTED TO ENSURE THIS BEARING PRESSURE IS MET.

POST-INSTALLED ANCHORS

- 1. ANCHORS SHOWN IN DETAILS AND SCHEDULES CONSTITUTE A BASIS OF DESIGN ANCHOR...
2. CONTRACTOR MAY SUBMIT ALTERNATIVE ANCHOR MANUFACTURERS THROUGH SHOP DRAWINGS...
3. CONTRACTOR SHALL INSTALL ALL POST-INSTALLED EPOXY AND MECHANICAL ANCHORS PER ALL MANUFACTURER INSTRUCTIONS...
4. CONTRACTOR MAY NOT DEVIATE FROM THE ANCHOR DIAMETER, EMBEDMENT, EDGE DISTANCE AND SPACING CRITERIA NOTED ON THE DETAILS...
5. NOTIFY THE ENGINEER IMMEDIATELY IF CONDITIONS ENCOUNTERED DIFFER FROM THE EXPECTED CONDITIONS.

CONCRETE

- 1. CONCRETE SHALL CONFORM TO THE INDICATED REFERENCE CODES AND STANDARDS EXCEPT AS MODIFIED BELOW...
2. CONCRETE MIX SPECIFICATIONS
LOCATION MIN Fc (psi) TEST AGE (DAYS) W/C RATIO (w) AIR (b) EXPOSURE MAX AGGREGATE (w) NOTES
FOUNDATION WALLS 4,000 28 0.50 6.0% F2, C1, W0, S0 1" a, b, c
INTERIOR SLAB ON GRADE 4,000 28 0.50 -- F0, C0, W0, S0 1" a, c

- a. FLY ASH / GGBFS MAY BE ADDED TO ANY OF THE MIX DESIGNS SPECIFIED AS LONG AS IT IS PERMITTED AT THE EXPOSURE CATEGORIES LISTED...
b. TOTAL AIR CONTENT IS SPECIFIED IN THE TABLE ABOVE...
c. WATER/CEMENT (W/C) RATIO SHALL BE BASED ON THE TOTAL CEMENTITIOUS MATERIAL...
3. ALL CONCRETE MIXES SHALL SATISFY THE MORE STRINGENT OF THE MIX SPECIFICATIONS REQUIREMENTS...
4. MIXING: COMPLY WITH ACI-301. DO NOT EXCEED THE AMOUNT OF WATER SPECIFIED IN THE APPROVED MIX...
5. CONCRETE PROPORTIONS SHALL BE DETERMINED IN ACCORDANCE WITH THE PROVISIONS OF ACI 318...

- 6. PROVIDE A 3/4 INCH CHAMFER AT ALL EXPOSED CORNERS OF CONCRETE BEAMS, COLUMNS, AND WALLS UNLESS INDICATED OTHERWISE...
7. SLUMP SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER OF RECORD...
8. ACCELERATED SET, OR HIGH EARLY STRENGTH MAY BE ACHIEVED BY USING APPROVED ADMIXTURES...
9. CURING: REFERENCE ACI 308 - STANDARD PRACTICE FOR CURING CONCRETE...
10. SLABS ON GRADE - MOISTEN SURFACE AND COVER WITH PLASTIC IN DIRECT CONTACT WITH THE CONCRETE IMMEDIATELY AFTER FINISHING...

- LIQUID MEMBRANE - FORMING CURING COMPOUNDS SHALL BE COMPATIBLE WITH FUTURE FLOOR FINISHES...
SPECIAL CURING PROCEDURES MAY BE ELIMINATED IF THE FORMS REMAIN IN CONTACT WITH THE CONCRETE FOR A MINIMUM OF 7 DAYS...
10. PROVIDE #3 HORIZONTAL DOWELS IN FLOOR & ELEVATED SLABS AT ALL RE-ENTRANT CORNERS...

CARPENTRY

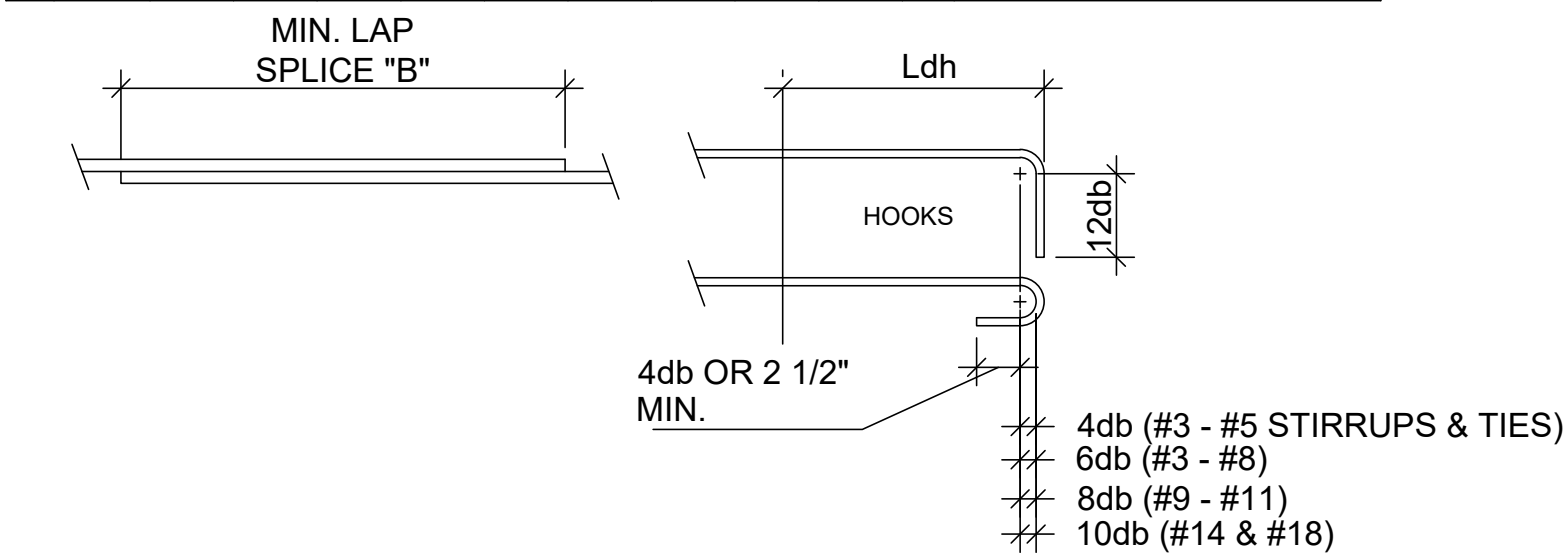
- 1. ALL WOOD CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION"...
2. LUMBER AND WOOD FRAMING SHALL NOT HAVE A MOISTURE CONTENT GREATER THAN 19% BY WEIGHT WHEN PLACED INTO THE CONSTRUCTION...
3. LUMBER FOR FRAMING SHALL BE SPRUCE-PINE-FIR #2 OR BETTER U.N.O...
4. PRESERVATIVE OR FIRE RETARDANT TREATED LUMBER SHALL BE SOUTHERN PINE # 2 OR BETTER...
5. PROVIDE WOOD FRAMING AS SHOWN AND AS REQUIRED TO COMPLETE THE PROJECT...
6. JOIST, RAFTERS, AND OTHER FRAMING MEMBERS SHALL BE SECURELY ANCHORED TO THEIR SUPPORTING MEMBERS...
7. ALL HEADERS SHALL BE MULTIPLE 2 X 10s (1 FOR EACH NOMINAL 2" OF WALL)...
8. ALL HEADERS SHALL BEAR ON MINIMUM 1 STUD, SISTERED TO 1 FULL HEIGHT STUD...
9. UNLESS OTHERWISE NOTED, ALL BEAMS BEARING ON WALLS SHALL BE SUPPORTED BY 1 STUD FOR EACH NOMINAL 2" OF BEAM...
10. WALL SHEATHING SHALL BE SECURED TO WALLS PER LOCAL CODES...

REINFORCING STEEL

- 1. DESIGN, DETAIL, FABRICATE, AND ERECT REINFORCING STEEL ACCORDING TO THE LATEST ACI AND CRSI SPECIFICATION...
2. DO NOT WELD REBAR UNLESS OTHERWISE APPROVED BY ENGINEER...
3. REINFORCING STEEL: ASTM A706 / A615, GRADE 60 (60 ksi), TYPICAL

Table with 2 columns: CONCRETE REINFORCING PLACEMENT CONDITION and MIN. COVER (in). Rows include CAST AGAINST EARTH (FOOTINGS, SLAB), CAST AGAINST FORMED SURFACES (NO. 5 BARS & SMALLER, NO. 6 BARS & LARGER), EXPOSED SURFACES (COLUMNS - TO TIES, COLUMNS - TO MAIN REINFORCING, SLABS - INTERIOR, SLABS - EXTERIOR), and MEMBERS IN CONTACT WITH OR OVER WATER.

Table: MINIMUM DEVELOPMENT LENGTH (Ld), CLASS "B" LAP SPLICE LENGTH & HOOK LENGTH (Ldh) (IN.) (U.N.O.). Columns include BAR #, Fc, and various PSI and PSI values.



CONCRETE MASONRY

- 1. CEMENT FOR MORTAR AND GROUT SHALL BE TYPE 1 PORTLAND CEMENT CONFORMING TO ASTM C150...
2. CONCRETE MASONRY UNITS SHALL BE TYPE 1, NORMAL WEIGHT AND HAVE A MIN. NET AREA COMPRESSIVE STRENGTH...
3. MORTAR SHALL BE MASONRY-CEMENT, TYPE S, FRESHLY PREPARED AND UNIFORMLY MIXED...
4. GROUT FOR POURING SHALL BE A FLUID CONSISTENCY AND CONFORM TO IBC TABLE 2103.12...
5. ALL CELLS CONTAINING REINFORCING OR EMBEDDED ITEMS AND ALL CELLS BELOW GRADE SHALL BE SOLID GROUTED...
6. REINFORCING STEEL SHALL CONFORM TO ASTM A615 (INCLUDING SUPPLEMENT S1)...
7. PROVIDE NO. 5 VERT BARS FULL HEIGHT AT WALL CORNERS, DOORS, WINDOWS AND OTHER OPENINGS...
8. ALL UNITS TO BE CONSTRUCTED UP IN RUNNING BOND IN ACCORDANCE WITH THE CODE UNLESS NOTED OTHERWISE...
9. THREE COURSES (24" MIN.) OF SOLID BEARING, BUILT IN A PYRAMID FASHION SHALL BE PROVIDED BELOW ALL BOND BEAM AND JOIST BEARINGS...
10. WHERE MASONRY WALLS CHANGE THICKNESS, PROVIDE SOLID (OR GROUTED) COURSE IMMEDIATELY BELOW CHANGE...
11. SINGLE WYTHE WALLS SHALL HAVE LADDER DESIGN MASONRY WALL REINFORCEMENT IN EVERY OTHER HORIZONTAL JOINT...
12. MASONRY WALLS SHOWN IN THESE DRAWINGS ARE NOT DESIGNED AS CANTILEVER WALLS...

Table: STRUCTURAL DESIGN CRITERIA. Includes BUILDING INFORMATION, FLOOR LOADING (SERVICE), ROOF LOADING (SERVICE), SNOW LOADING (SERVICE), WIND LOADING (ULTIMATE), WIND COMPONENT AND CLADDING LOADS, SEISMIC DESIGN DATA (ULTIMATE), and BASIC SEISMIC FORCE RESISTING SYSTEM.

WOOD ROOF TRUSSES

- 1. ROOF TRUSSES SHALL BE DESIGNED AND FABRICATED IN ACCORDANCE WITH THE LATEST TRUSS PLATE INSTITUTE SPECIFICATIONS...
2. STRUCTURAL COMPUTATIONS AND DETAILS SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE LOCALITY OF THE PROJECT...
3. TRUSSES SHALL BE DESIGNED FOR 10 PSF DEAD LOAD AND 20 PSF LIVE LOAD ALL ON THE TOP CHORD...
4. PROVIDE GALVANIZED METAL TRUSS CLIPS TO ANCHOR EACH END OF TRUSS...
5. ALL TRUSS HANGERS SHALL BE DESIGNED AND SUPPLIED BY THE TRUSS MANUFACTURER...
6. PROVIDE TRUSS BRACING CONFORMING TO TRUSS PLATE INSTITUTE STANDARDS...
a. UNLESS SHEATHED WITH APA RATED SHEATHING...
b. PROVIDE DIAGONAL BRACING IN THE PLANE OF WEB MEMBERS...
c. UNLESS CONTINUOUSLY SHEATHED PROVIDE CONTINUOUS LATERAL BRACING OF THE BOTTOM CHORD...



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CITY OF FOSTORIA, OH

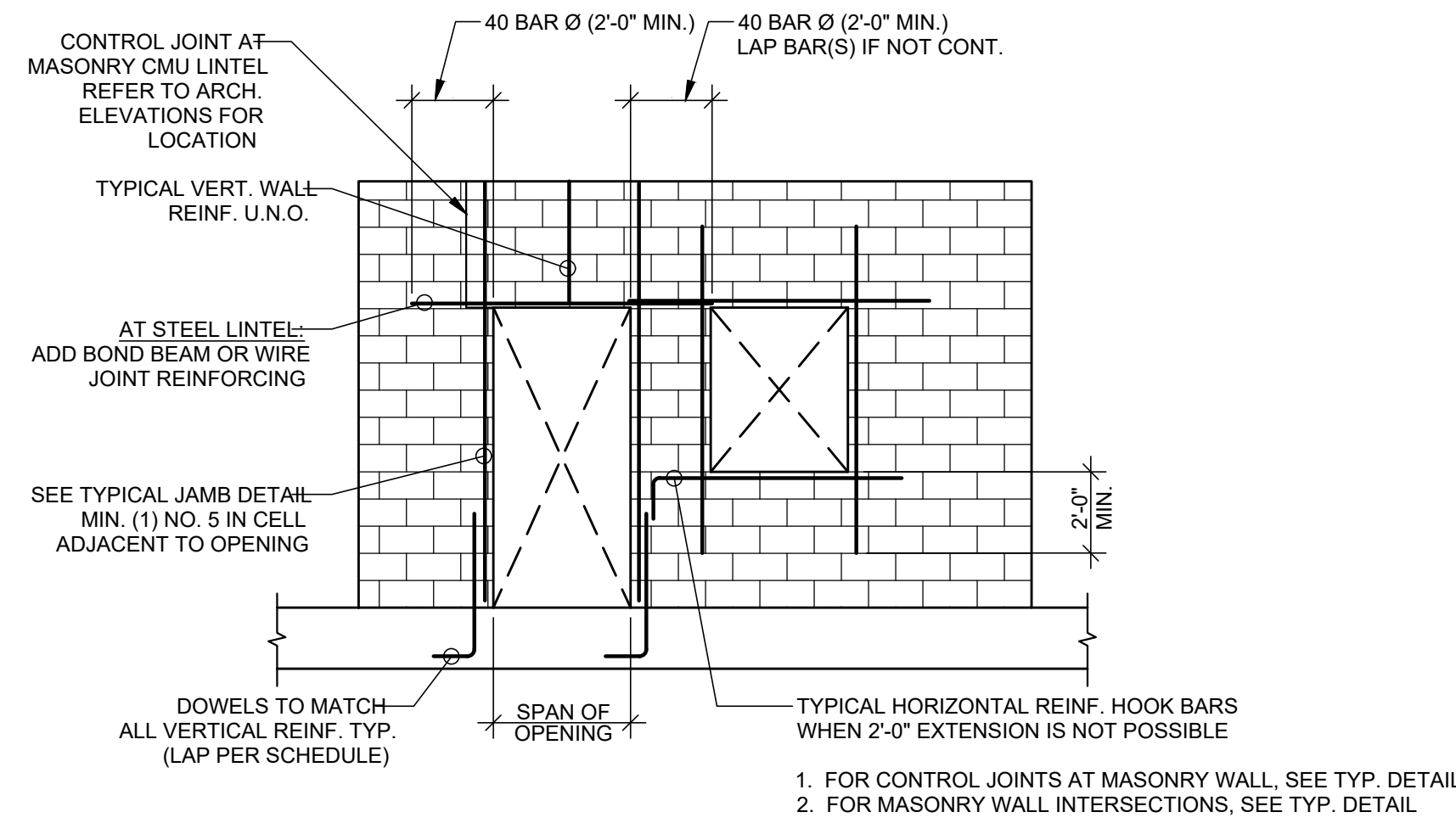
FOSTORIA SPLASHPAD

STRUCTURAL NOTES

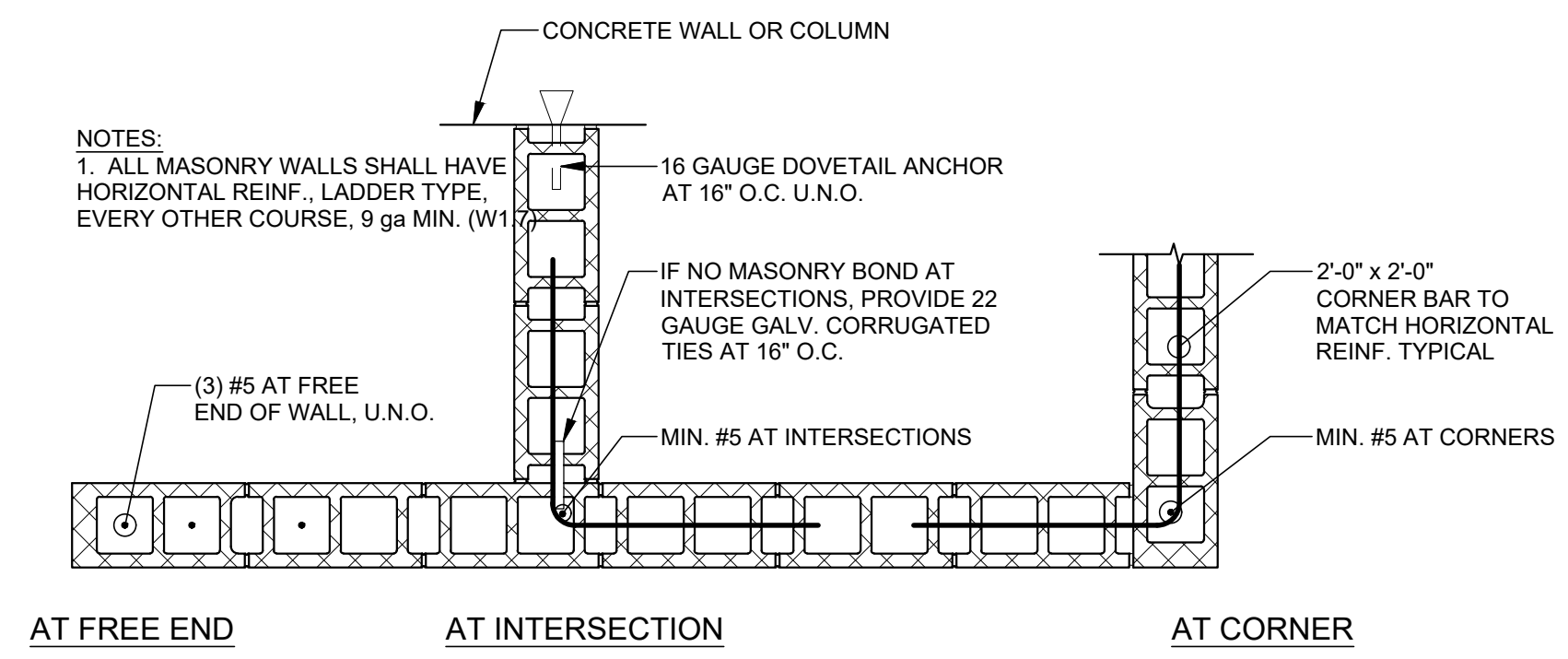
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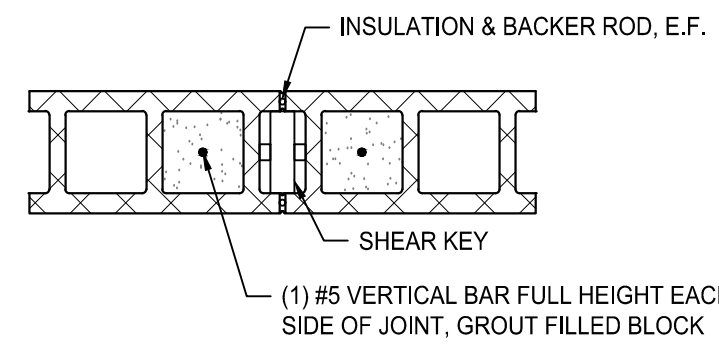
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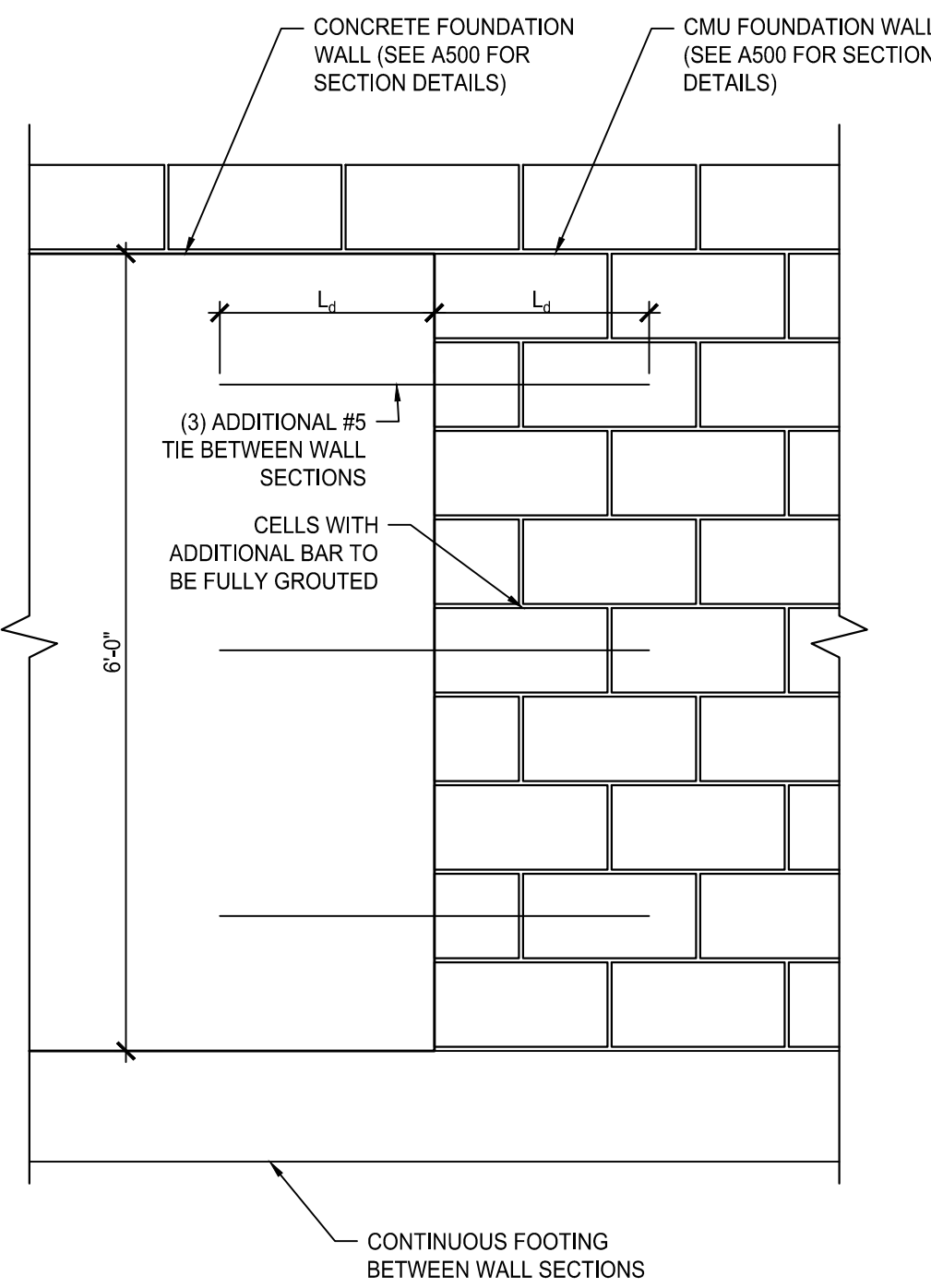
TYP. CMU OPENING REINF. DETAIL
SCALE: 1/4" = 1'-0"



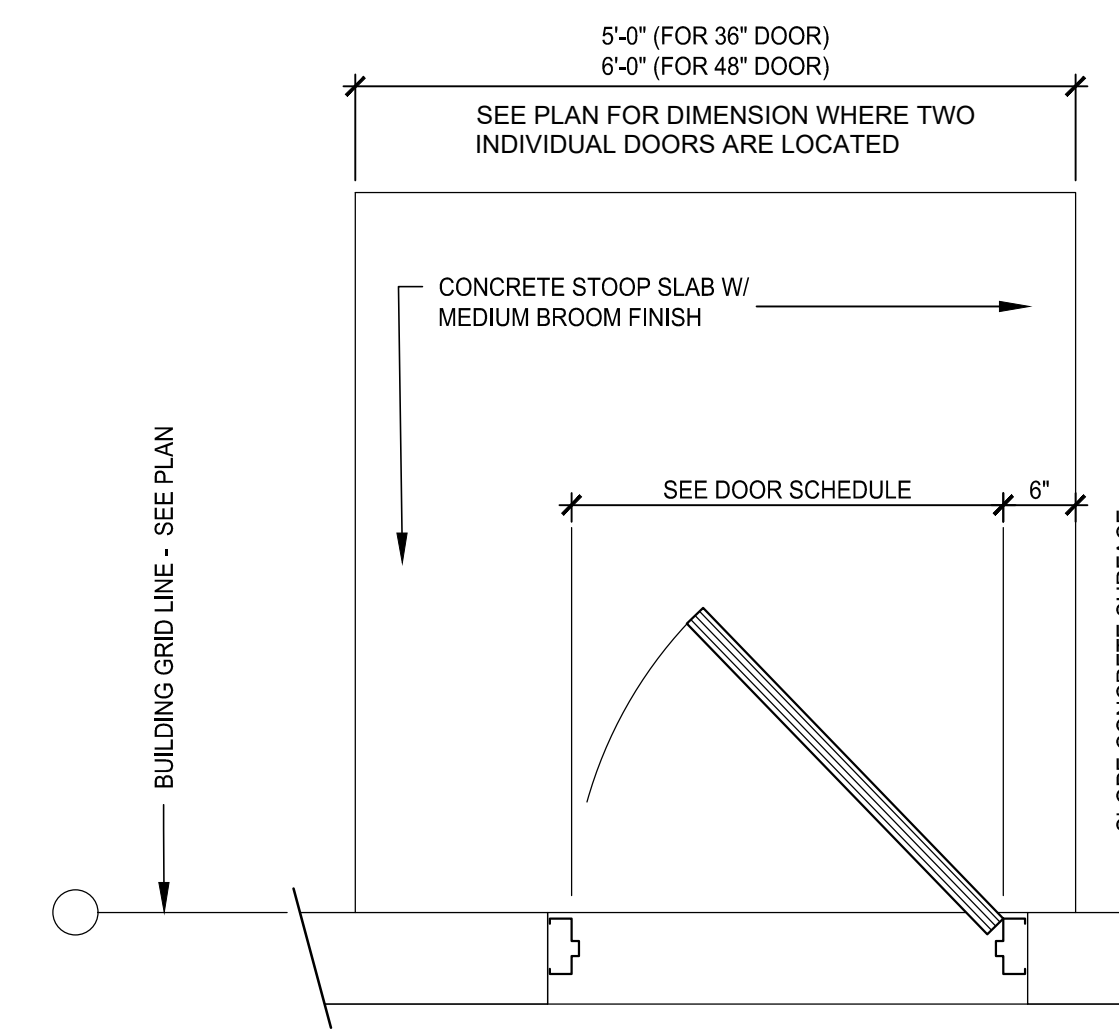
TYP. CMU CORNER DETAIL
SCALE: 3/4" = 1'-0"



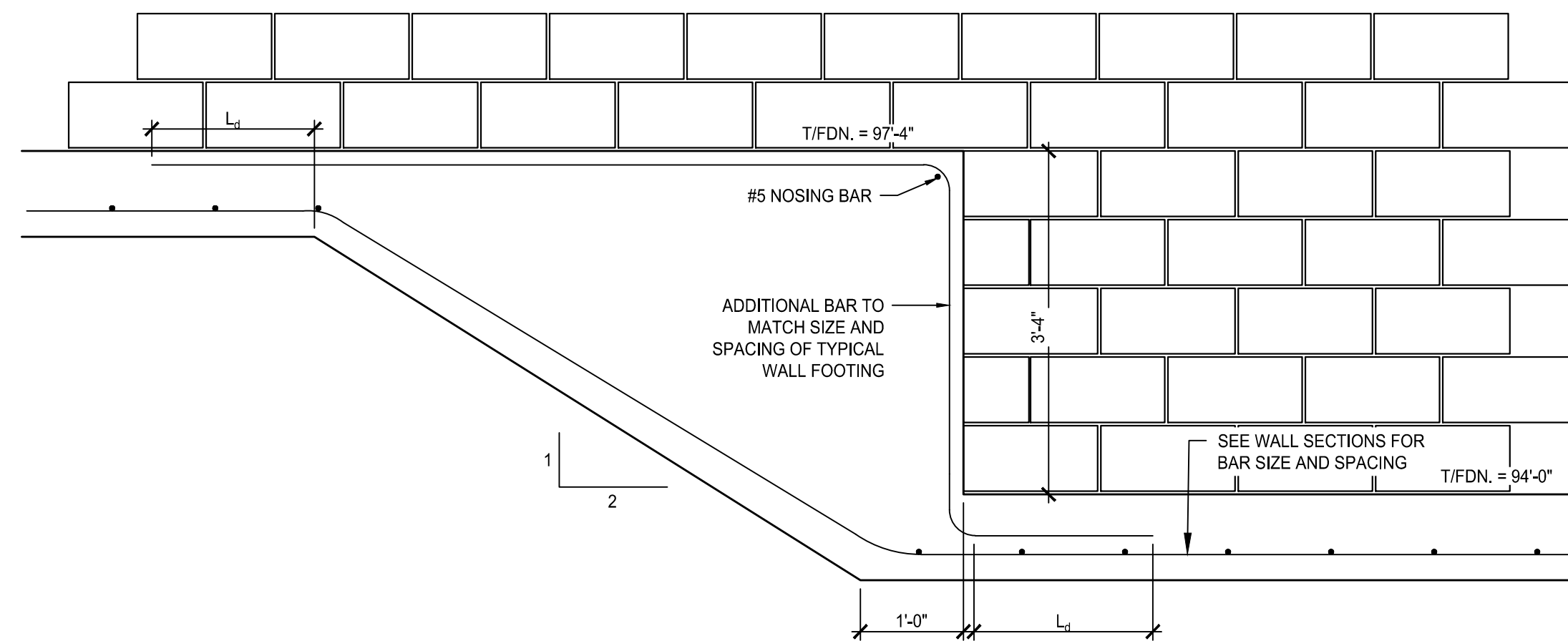
TYP. CONTROL JOINT DETAIL
SCALE: 1" = 1'-0"



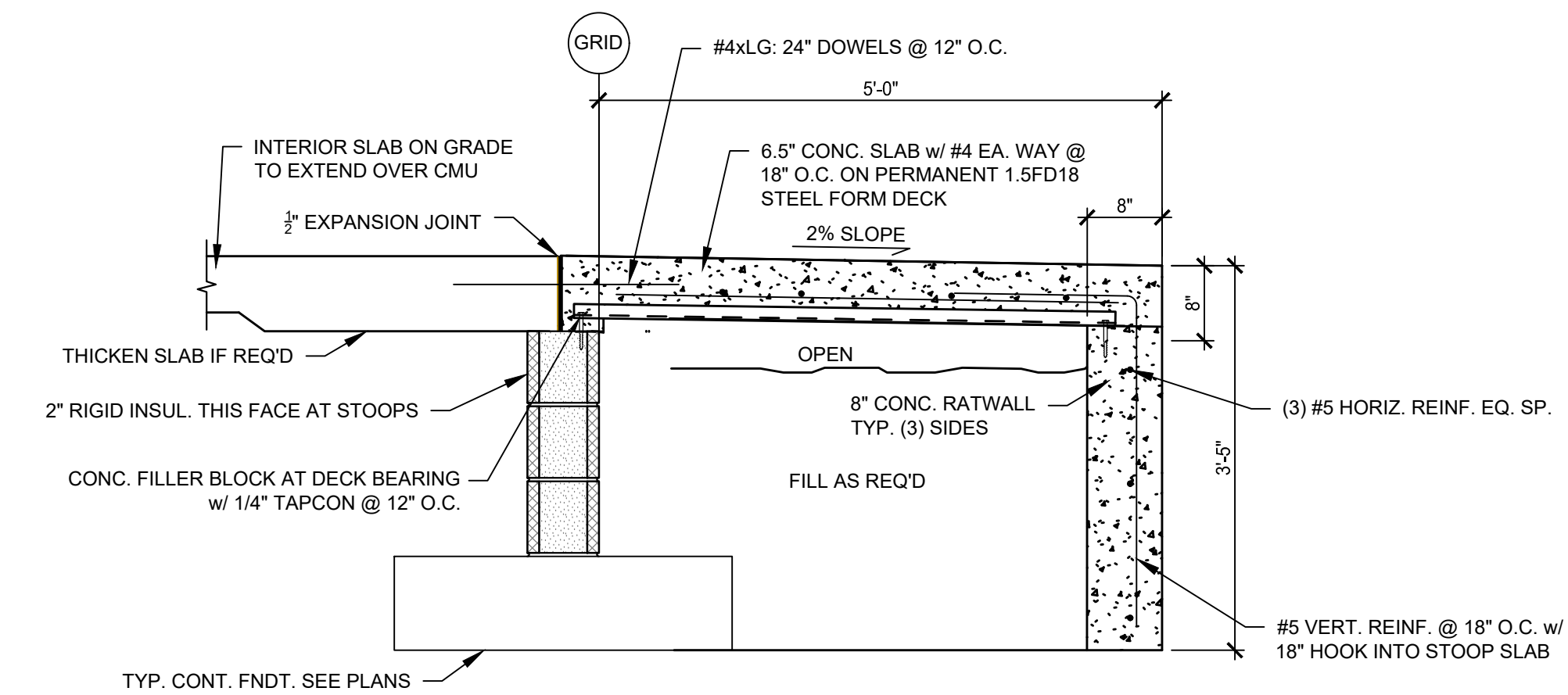
FOUNDATION WALL TRANSITION
SCALE: 3/4" = 1'-0"



TYP. STOOP PLAN
SCALE: 3/4" = 1'-0"



FOOTING STEP DETAIL
SCALE: 3/4" = 1'-0"



TYP. STOOP DETAIL
SCALE: 3/4" = 1'-0"

Scale	Date	Job No.	Designed by	Drawn by	Checked by	Approved by	Status
AS INDICATED	11/10/2023	24001561.001A	WRS	BTS	AMB	WRS	...
				ISSUED FOR BIDDING	ISSUED FOR BUILDING PERMIT	ISSUED FOR OADR REVIEW	REVISIONS
				3	2	1	No.
				13/01/2024	12/23/2024	12/05/2024	Date

CITY OF FOSTORIA, OH

FOSTORIA SPLASHPAD

STRUCTURAL TYPICAL DETAILS

ARCHITECTURAL PRODUCT SPECIFICATIONS:

NOTE: ALL EQUIVALENTS OR SUBSTITUTES SHALL BE APPROVED DURING BIDDING. COLOR SELECTIONS NOTED ARE FOR REFERENCE. COLORS MAY CHANGE DURING SHOP DRAWING PHASE. ANY CHANGE IN COLOR SELECTIONS WOULD FOLLOW MANUFACTURER'S STANDARDS, NOT PREMIUMS.

- 1) 04-2200 SPLIT FACE (ROCK FACE) CONCRETE MASONRY UNITS (CMU):
 a) MANUFACTURER: TRI-COUNTY BLOCK AND BRICK, SWANTON, OHIO OR APPROVED SUBSTITUTE
 b) STYLE: SPLIT (ROCK) FACE #88 SPLF
 c) COLOR: WALNUT
 d) INTEGRATE WATER-RESISTANT CHEMICALS INTO BATCH MIX FOR CMU AND MORTARS

- 2) 07-1326 SELF-ADHERING SHEET FLASHING:
 a) WINDOW AND DOOR HEAD FLASHING.
 b) MANUFACTURER: GCP (GRACE) VYCOR OR APPROVED SUBSTITUTE
 c) TYPE: CROSS LAMINATED HDPE WITH RUBBERIZED ASPHALT ADHESIVE.
 d) MODEL: VYCOR V40

- 3) 07-4113.16 STANDING SEAM METAL ROOFING:
 a) MANUFACTURER: ATAS INTERNATIONAL OR APPROVED SUBSTITUTE.
 b) MODEL: ECO-SEAM.
 c) COLOR: MEDIUM BRONZE (03)

- 4) 07-4293 VENTED SOFFIT:
 a) ALUMINUM VENTED SOFFIT.
 b) MANUFACTURER: AMERIMAX OR APPROVED SUBSTITUTE.
 c) STYLE: V-GROOVED.
 d) THICKNESS: T4 ALUMINUM 0.019"
 e) COLOR: SANDSTONE BEIGE.

- 5) CEMENT BOARD SIDING AND TRIM:
 a) FIBER CEMENT BOARD - BOARD AND MATTEN SIDING
 i) PRE-PAINTED SMOOTH FINISH FLAT VERTICAL PANELS
 ii) MANUFACTURER: JAMES HARDIE OR APPROVED EQUIVALENT SUBSTITUTE.
 iii) COLOR: SAIL CLOTH.
 b) EXTERIOR BATTEN STRIPS:
 i) SIZE: 5/4" X 2"
 ii) PRE-PAINTED. CUT TO SIZE IN FIELD, & PAINTED FIELD PAINT EXPOSED EDGES.
 iii) MANUFACTURER: JAMES HARDIE OR APPROVED EQUIVALENT SUBSTITUTE.
 iv) COLOR: SAIL CLOTH.

- c) EXTERIOR TRIM:
 i) 5/4" THICKNESS, WIDTHS VARY. COORDINATE WITH WALL SECTIONS ON SHEET A500.
 ii) PRE-PAINTED. CUT TO SIZE IN FIELD, & PAINTED FIELD PAINT EXPOSED EDGES.
 iii) COLOR: ARCTIC WHITE.
 iv) AT DOORS AND WINDOWS PROVIDE 'AZEK' WITH 'PAINTPRO' OR APPROVED SUBSTITUTE PAINTABLE PLASTIC (PVC) TRIM AND RETURNS, WHICH IS EASIER TO CUT IN SMALL PIECES VERSUS CEMENT BOARD. PAINT PER ARCHITECT INSTRUCTIONS. PROVIDE 'TRADITIONAL' FINISH.

- 6) 07-7253 SNOW GUARDS FOR METAL ROOFING:
 a) PROVIDE MINIMUM OF ONE ROW OF SNOW GUARDS ON EACH SIDE OF ROOF.
 b) MANUFACTURER: S-SI OR APPROVED SUBSTITUTE.
 c) MODEL: COLORGARD.
 d) INSTALLATION PER MANUFACTURER'S RECOMMENDATIONS.

- 7) 08-1113 EXTERIOR HOLLOW METAL DOORS AND FRAMES:
 a) WELDED FRAMES. GALVANIZED. NO KNOCK DOWN FRAMES.
 b) MANUFACTURERS: TRUDOOR, MASONITE OR APPROVED SUBSTITUTE.
 c) GAUGE: 14.
 d) FLAT SLAB FACE.
 e) FACTORY PRIMED, FIELD PAINT.
 f) GALVANIZED FRAMES AND DOORS.
 g) SEE DOOR SCHEDULE ON DRAWING SHEET A501 FOR DOOR SIZES.

- 8) 08-3113 ACCESS DOORS AND FRAMES:
 a) CEILING MOUNTED ACCESS HATCHES.
 b) PROVIDE METAL ACCESS HATCHES IN EACH RESTROOM CEILING TO COMPLY WITH OHIO BUILDING CODE CHAPTER 12.
 c) MANUFACTURER: BABCOCK-DAVIS OR APPROVED SUBSTITUTION.
 d) PAINTED METAL
 e) FIRE-RESISTANCE: NON-RATED.
 f) COLOR: WHITE.
 g) SIZE: 20" X 30" MINIMUM.
 h) FLUSH INSTALLATION WITH DRYWALL BEAD FLANGE.
 i) LOCATION: RESTROOM CEILINGS.
 j) LOCK: YES.

- 9) 08-5413 WINDOWS:
 a) MANUFACTURER: JELD-WEN OR APPROVED SUBSTITUTION.
 b) MODEL: EPICVUE VINYL, V-4500
 c) BLOCK FRAME CONSTRUCTION
 d) GRILLES: NO
 e) INSECT SCREENS: YES
 f) COLOR INTERIOR: WHITE
 g) GLASS: INSULATED, LOW-E, OBSCURE TEXTURED
 h) HARDWARE: LOCKS, SCISSOR-STYLE, STANDARD HANDLES
 i) HARDWARE COLOR: WHITE

- 10) 08-7100 DOOR HARDWARE:
 a) SEE DRAWING SHEET A501 FOR SCHEDULE

- 11) 08-8300 MIRROR:
 a) MANUFACTURER: BOBRICK OR APPROVED SUBSTITUTE
 b) MODEL: B-165-2436 CHANNEL FRAME
 c) SIZE: 24" X 36"
 d) NOTE: ADA VERTICAL DIMENSION IS TO GLASS NOT FRAME

- 12) 09-6513 RESILIENT BASE:
 a) MANUFACTURER: ROPPE OR JOHNSONITE
 b) MODEL: 700 SERIES
 c) MATERIAL: THERMOPLASTIC RUBBER AND VINYL
 d) COLOR: BLACK-BROWN #193
 e) HEIGHT: 6-INCHES
 f) COVE BASE
 g) COIL STOCK. NOT 4' SECTIONS
 h) PROVIDE PRE-MANUFACTURED CORNERS, NOT SITE MADE.

- 13) 09-9113 EXTERIOR PAINT:
 a) PRIMER:
 i) PROVIDE AT LEAST ONE (1) COAT OF PRIMER FOR ALL VARIOUS SURFACES BEFORE FINAL COAT.
 b) EXTERIOR GRADE COATING:
 i) MANUFACTURER: SHERWIN-WILLIAMS OR APPROVED SUBSTITUTE.
 ii) FINISH: SEMI-GLOSS
 c) HOLLOW METAL DOORS AND FRAMES COLOR: SW2827 COLONIAL REVIVAL STONE.
 d) WOOD OR CEMENT BOARD COLOR: FOR TOUCH UP OR MATCHING MATCH JAMES HARDIE COLORS SAILCLOTH FOR FLAT PANELS AND BATTEN STRIPS, AND ARTIC WHITE FOR EXTERIOR TRIM.

- 14) 09-9123 INTERIOR PAINT AND COATINGS:
 a) PRIMER:
 i) PROVIDE AT LEAST ONE (1) COAT OF PRIMER (SHERWIN-WILLIAMS OR APPROVED SUBSTITUTE) FOR ALL VARIOUS SURFACES BEFORE FINAL COAT.
 ii) ON INTERIOR CONCRETE MASONRY PROVIDE BLOCK FILLER PRIOR TO FINISH COATS.
 iii) MANUFACTURER: SHERWIN-WILLIAMS PREPRITE BLOCK FILLER OR APPROVED SUBSTITUTE.
 b) INTERIOR WALL SURFACES:
 i) INTERMEDIATE AND FINISH WALL AND CEILING COATS:
 ii) PROVIDE MINIMUM TWO COATS WITH A TOTAL DRY FILM THICKNESS OF 16 TO 18 MILS. EPOXY PAINT OVER CONCRETE MASONRY UNIT SUBSTRATE.
 iii) MANUFACTURER: SHERWIN-WILLIAMS PRO INDUSTRIES HIGH PERFORMANCE EPOXY, OR APPROVED SUBSTITUTE.
 iv) FINISH: GLOSS.
 v) COLOR: SW7512 PAVILION BEIGE.

- c) INTERIOR CEILING SURFACES:
 i) MANUFACTURER: SHERWIN-WILLIAMS OR APPROVED SUBSTITUTE.
 ii) FINISH: SEMI-GLOSS. (NOT EPOXY)
 iii) COLOR: WHITE.
 d) INTERIOR PUMP HOUSE SUMP PIT RESINOUS (EPOXY) COATING:
 i) FOLLOW INSTRUCTIONS IN ITEM 'E' BELOW.
 ii) SUBMERGED IN CHLORINATED WATER - POLYAMINE EPOXY
 (1) PRIMER: COROBOND 100 AT 4.0 - 6.0 MILS DFT OR APPROVED SUBSTITUTE.
 (2) FIRST COAT: SHER GLASS FF POLYAMINE EPOXY AT 8.0 - 12.0 MILS DFT OR APPROVED SUBSTITUTE.
 (3) SECOND COAT SHER GLASS FF POLYAMINE EPOXY AT 8.0 - 12.0 MILS DFT OR APPROVED SUBSTITUTE.

- e) INTERIOR FLOOR RESINOUS (EPOXY) COATING:
 i) FOLLOW STANDARD METHODS LISTED BELOW WHEN APPLICABLE.
 (1) ASTM D4258, CLEANING CONCRETE
 (2) ASTM D4259 ABRADING CONCRETE
 (3) ASTM D4260 ETCHING CONCRETE
 (4) ASTM F1869 MEASURING MOISTURE VAPOR EMISSION RATE OF CONCRETE
 (5) SSPC-SP 13/NACE 6 SURFACE PREPARATION OF CONCRETE
 (6) ICRI NO. 310.2R CONCRETE SURFACE PREPARATION
 ii) PREPARE CONCRETE FLOOR SURFACE FOR RESINOUS FLOOR SYSTEM. MAKE SURE CONCRETE SURFACE IS CLEAN, DRY AND IN SOUND CONDITION. REMOVE ALL OIL, DUST, GREASE, DIRT, LOOSE RUST AND OTHER FOREIGN MATERIAL TO ENSURE ADEQUATE ADHESION. SURFACES MUST BE FREE OF LAITANCE, CONCRETE DUST, DIRT, FORM RELEASE AGENTS, MOISTURE CURING MEMBRANES, LOOSE CEMENT AND HARDENERS. FILL BUG HOLES, AIR POCKETS AND OTHER VOIDS WITH STEEL-SEAM FT910. PRIMER REQUIRED.
 iii) PROVIDE CURED CONCRETE FLOOR. CONCRETE AND MORTAR MUST BE CURED AT LEAST 28 DAYS AT 75 DEGREES FAHRENHEIT. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR MOISTURE CONTENT BEFORE APPLYING COATING. BEGIN COATING ONLY WHEN MOISTURE CONTENT OF SUBSTRATE IS 12 PERCENT OR LESS USING AN ELECTRONIC MOISTURE METER PER MANUFACTURER'S RECOMMENDATIONS. FILL ALL CRACKS PRIOR TO PRIME COAT. PROVIDE PRIME, INTERMEDIATE AND FINISH COATS PER MANUFACTURER'S INSTRUCTIONS.
 iv) PRIMER AND TOP COAT: SHERWIN-WILLIAMS MACROPOXY 646 OR APPROVED SUBSTITUTE. PROVIDE MINIMUM TWO COATS (PRIMER AND TOP) WITH A TOTAL DRY FILM THICKNESS OF 18 TO 20 MILS. 10 MILS MAXIMUM PER COAT. PIGMENTED BASE COAT. COORDINATE PIGMENT COLOR WITH ARCHITECT.
 v) BROADCAST SILICA SAND: APPLY SILICA SAND WITH BROADCAST METHOD ON WET TOP COAT. COORDINATE PROCEDURE WITH SHERWIN-WILLIAMS REPRESENTATIVES. PROVIDE S-W 40/60 SAND TEXTURE.
 vi) SEALER COAT: APPLY 'CLEAR' SEALER OVER SAND AND TOP COAT. PROVIDE SHERWIN-WILLIAMS ARMORSEAL REXTHANE I IN 'CLEAR' COAT, OR APPROVED SUBSTITUTE. DRY MILS 3.0 MAXIMUM. MEET ADA SLIP-RESISTANCE ALONG WITH URINE RESISTANCE.

- 15) 10-1423.16 RESTROOM ADA TACTILE SIGN:
 a) MANUFACTURER: ALPINE INDUSTRIES OR APPROVED SUBSTITUTE
 b) OPTIONAL BRANDS: LYLE, PALMER FIXTURE, OR TOUGH GUY
 c) MODEL: ALPSGN-2
 d) BRAILLE: YES
 e) ADA: YES
 f) COLOR: BLACK BACKGROUND WITH WHITE LETTERING AND FIGURES

- 16) 10-2800 TOILET ACCESSORIES:
 a) TOILET PAPER HOLDER
 i) MANUFACTURER: BOBRICK OR APPROVED SUBSTITUTE
 ii) MODEL: B-2888
 iii) STAINLESS STEEL
 b) LIQUID SOAP DISPENSER:
 i) MANUFACTURER: BOBRICK OR APPROVED SUBSTITUTE
 ii) MODEL: B-2111
 iii) STAINLESS STEEL
 c) GRAB BARS
 i) MANUFACTURER: BOBRICK OR APPROVED SUBSTITUTE
 ii) MODEL: 6806
 iii) LENGTHS: 18", 36" AND 42"
 iv) FINISH: SATIN
 v) MATERIAL: STAINLESS STEEL, SLIP-RESISTANT SURFACE
 d) ELECTRIC HAND DRYER
 i) MANUFACTURER: BOBRICKXLERATOR OR APPROVED SUBSTITUTE
 ii) MODEL: XL-GR-ECO
 e) BABY CHANGING STATION:
 i) MANUFACTURER: KOALA KARE OR APPROVED SUBSTITUTE
 ii) MODEL: KB200
 iii) COLOR: BEIGE



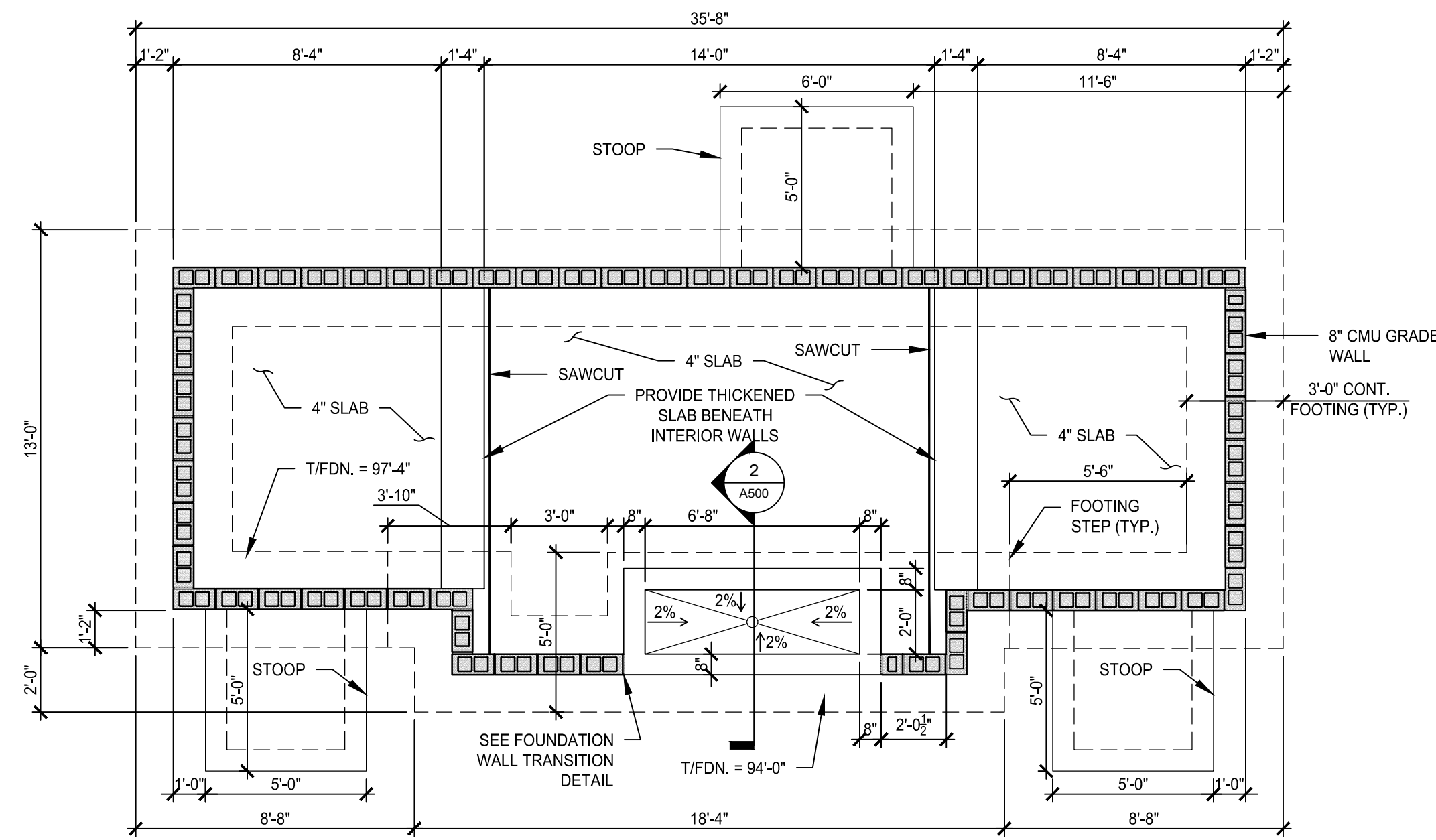
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Checked by	WRS	WRS	02/05/2024
Approved by	WRS	WRS	12/04/2023
Status	...	No.	Date

Scale	AS INDICATED	Date	03/01/2024
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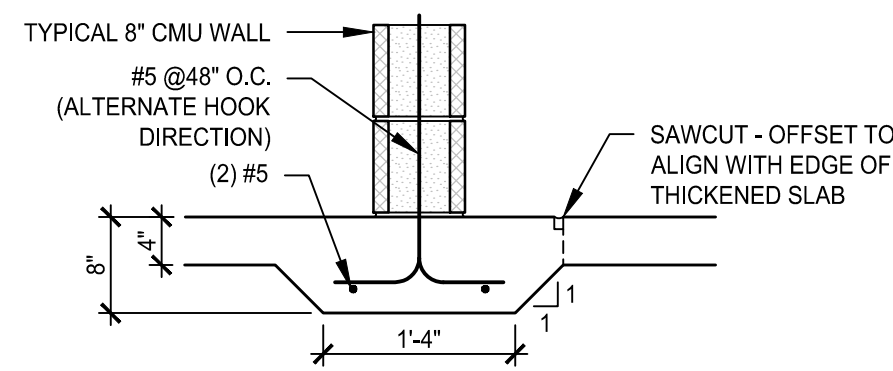
Client	CITY OF FOSTORIA, OH
Project	FOSTORIA SPLASHPAD
Drawing	SPECIFICATIONS

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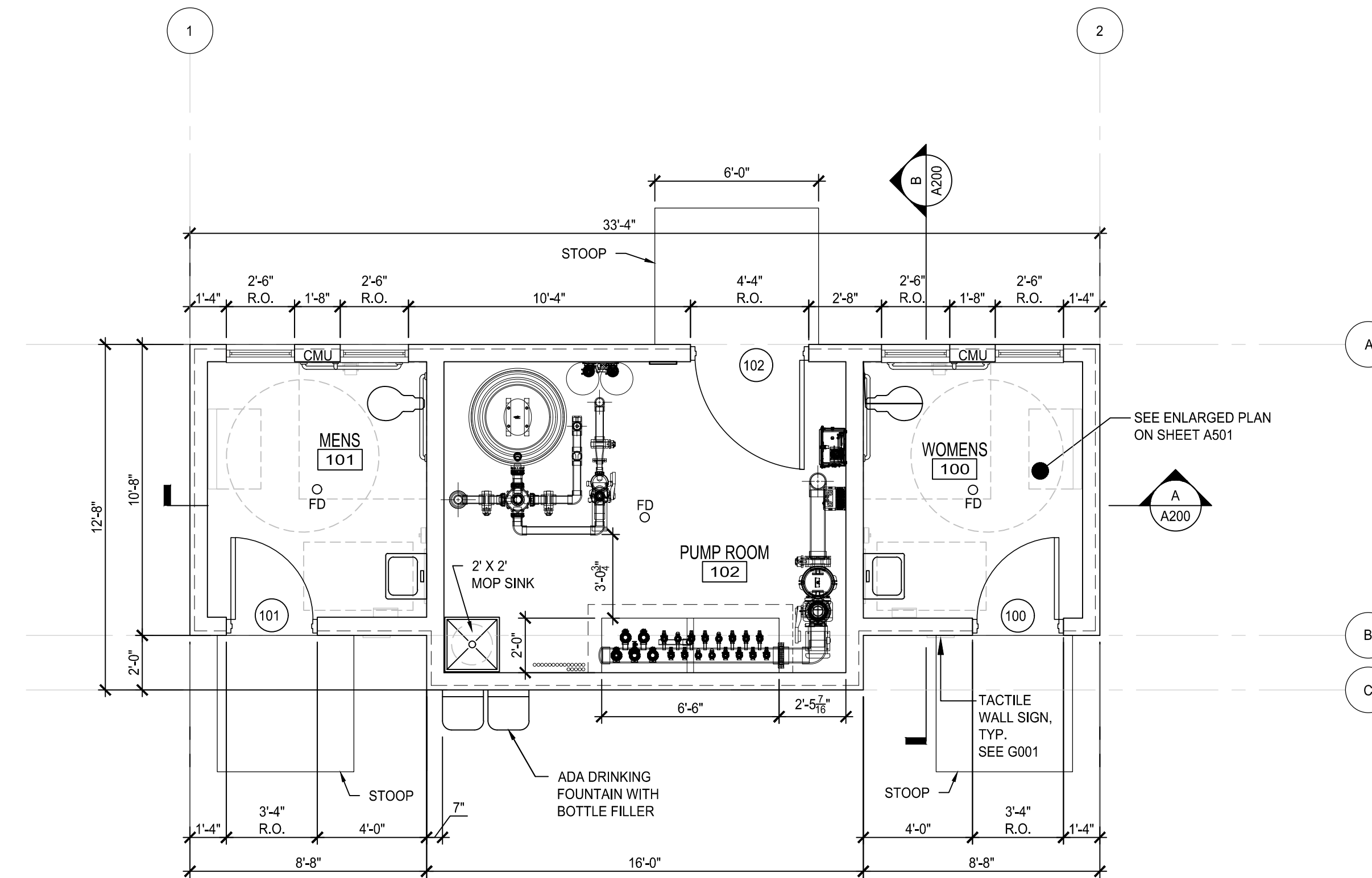


FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

NOTE:
 - 4" FLOOR SLAB TO HAVE W2.9xW2.9 WWF ON 6" MIN. COMPACTED GRANULAR BASE
 - SEE SHEET S501 FOR STOOP DETAIL
 - SAW CUT FLOOR TO INSIDE OF CMU LOCATION AT PUMP ROOM 102. INFILL SAW CUTS WITH SHERWIN-WILLIAMS STEEL-SEAM FT910 BEFORE APPLYING COATING

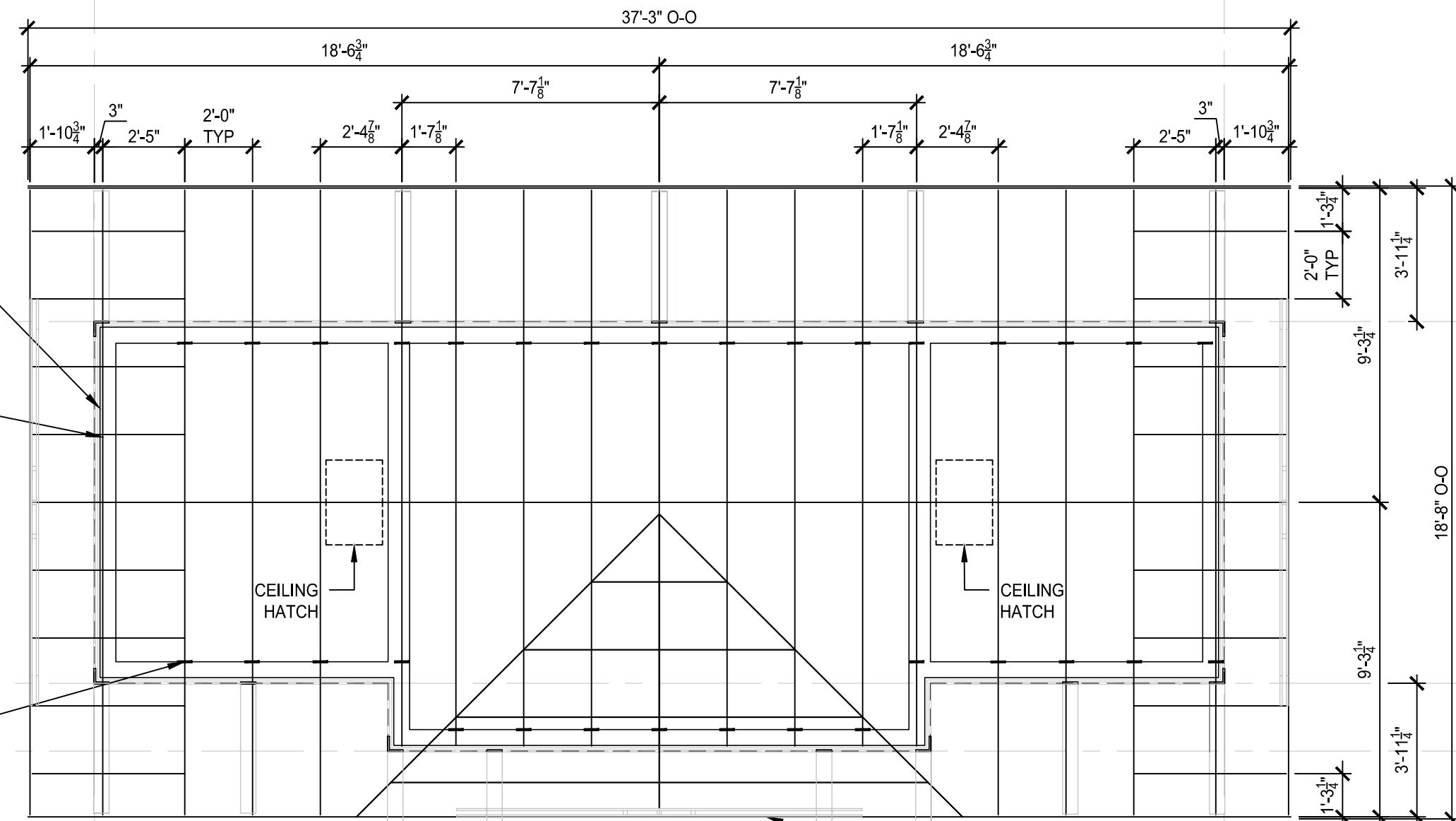


TYP. THICKENED SLAB
SCALE: 3/4" = 1'-0"



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

UN-INSULATED WASHROOMS NO HEATING OR COOLING.
 SEE MECHANICAL FOR VENTILATION.
 SEE ELECTRICAL FOR LIGHTING AND POWER.
 FOR SCHEDULES, SEE SHEET A501.

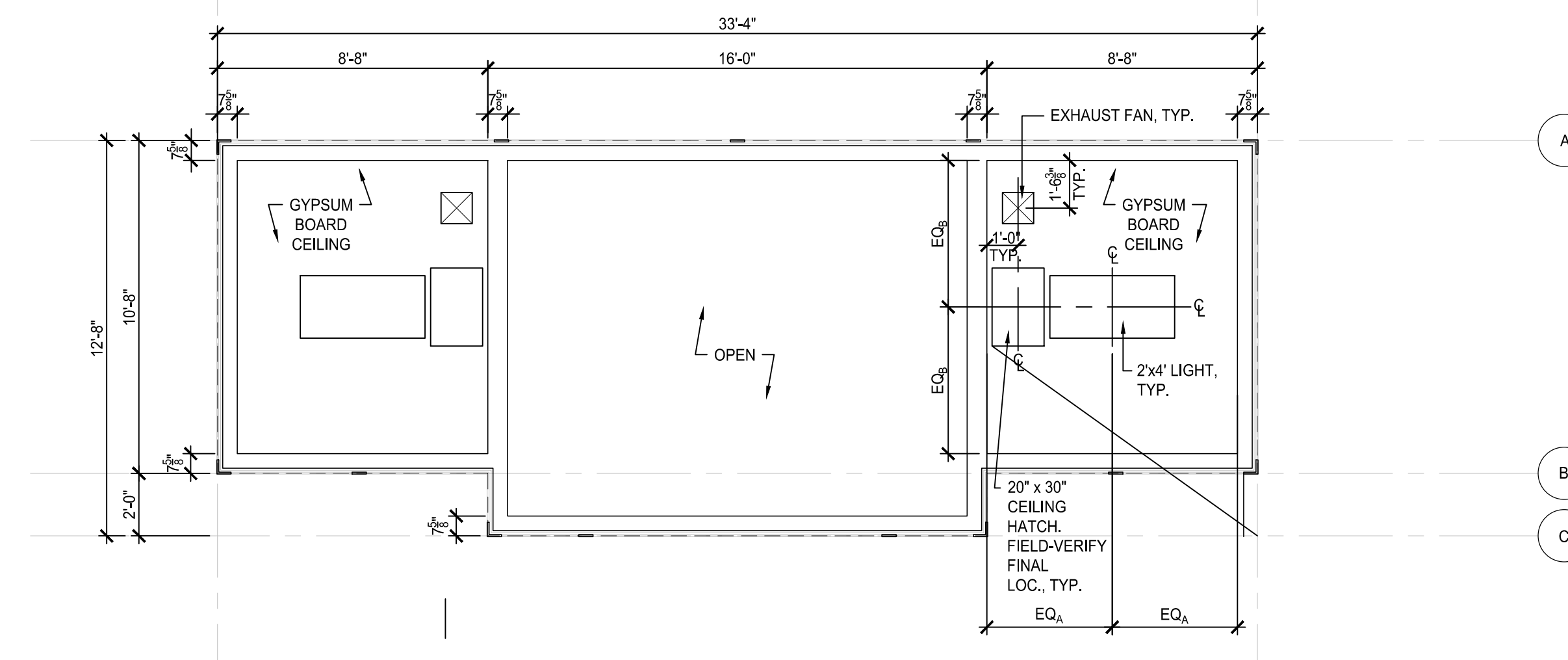


ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"

NOTE:
 GENERAL CONTRACTOR TO SUPPLY TRUSS DRAWINGS TO BUILDING INSPECTION DEPT. FOR PERMIT APPROVAL.

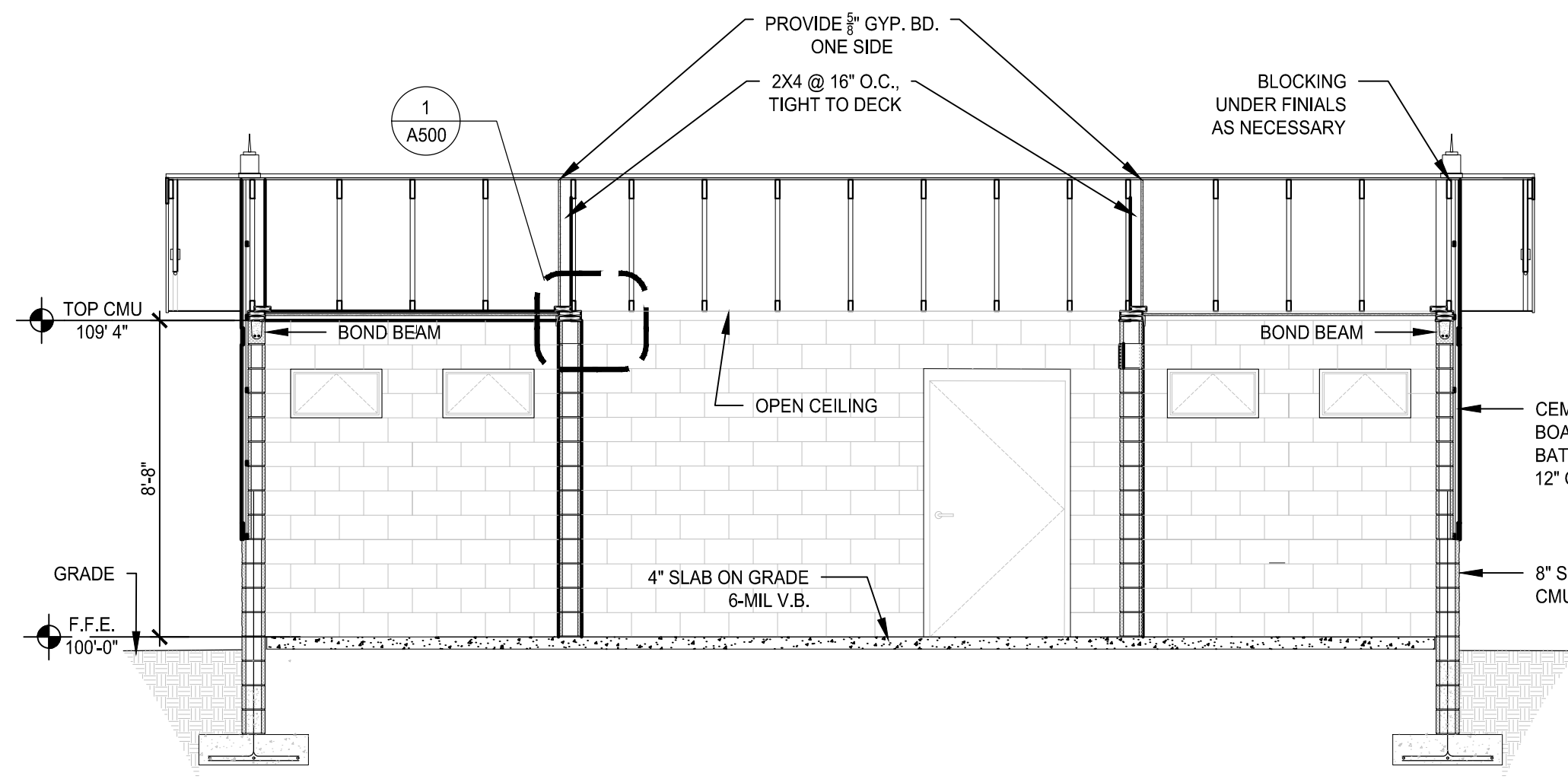
PROVIDE TRUSS BRACING CONFORMING TO TRUSS PLATE INSTITUTE STANDARDS. PROVIDE TEMPORARY BRACING DURING ERECTION. PROVIDE PERMANENT BRACING AS REQUIRED IN THE DESIGN OF THE TRUSS AS INDICATED. IN ADDITION TO THE ABOVE, PROVIDE PERMANENT BRACING AS FOLLOWS UNLESS OTHERWISE NOTED:

- PROVIDE DIAGONAL BRACING IN THE PLANE OF WEB MEMBERS AT 3 EQUAL INTERVALS ALONG THE LENGTH OF TRUSSES AT END BAYS AND INTERVALS ALONG THE LENGTH OF THE BUILDING.
- UNLESS CONTINUOUSLY SHEATHED PROVIDE CONTINUOUS LATERAL BRACING OF THE BOTTOM CHORD AT OR NEAR PANEL POINTS, OR AS INDICATED ON THE DRAWINGS.



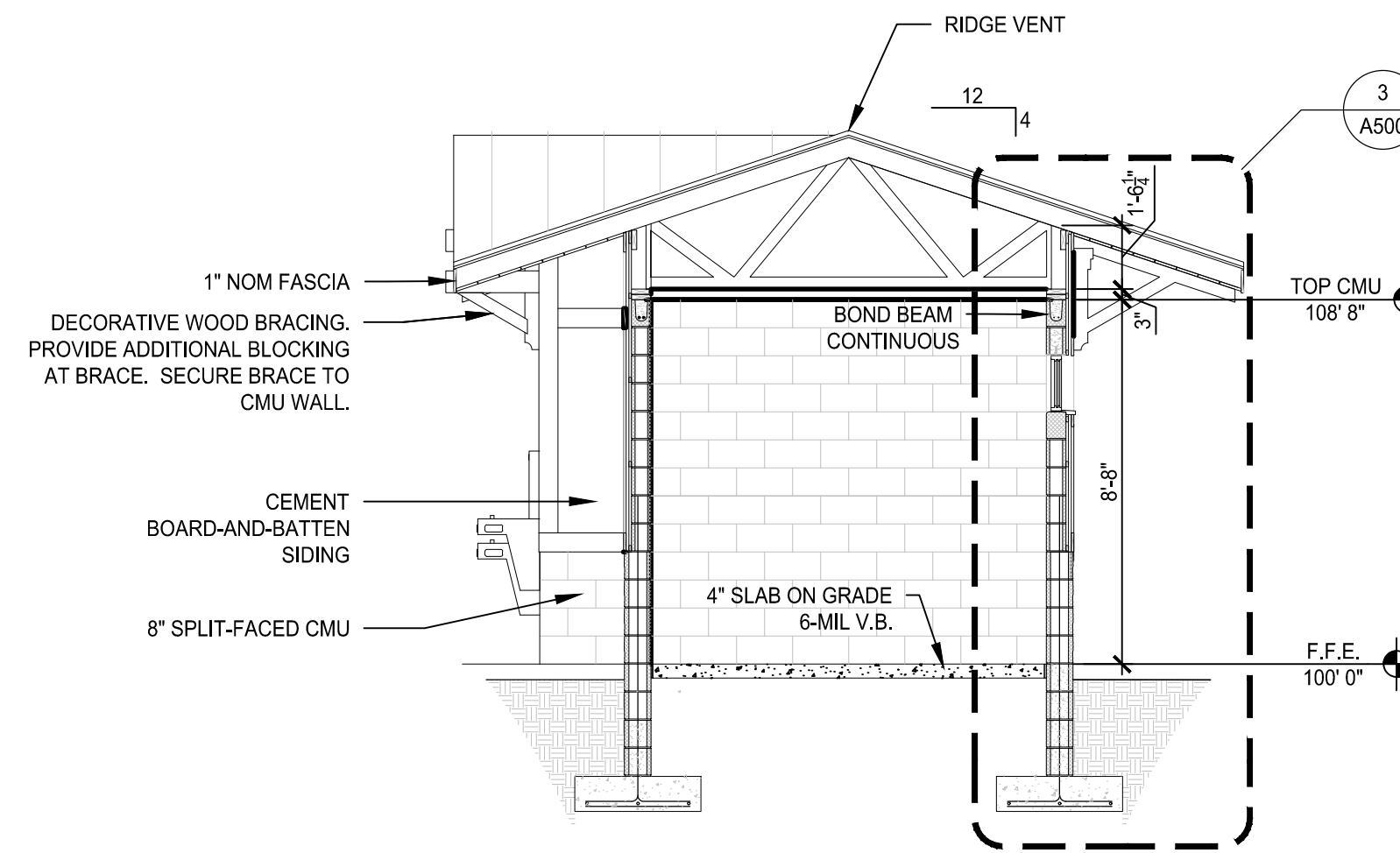
REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

Scale	Date	Job No.	Designed by	Drawn by	Checked by	Approved by	Status
AS INDICATED	03/01/2024	24001561.001A	WRS	AJM	SSH	WRS	...
			ISSUED FOR BIDDING	ISSUED FOR BUILDING PERMITS	ISSUED FOR ODIR REVIEW	OWNER REVIEW	
			4	3	2	1	
			No.	Description	REV/ISONS		



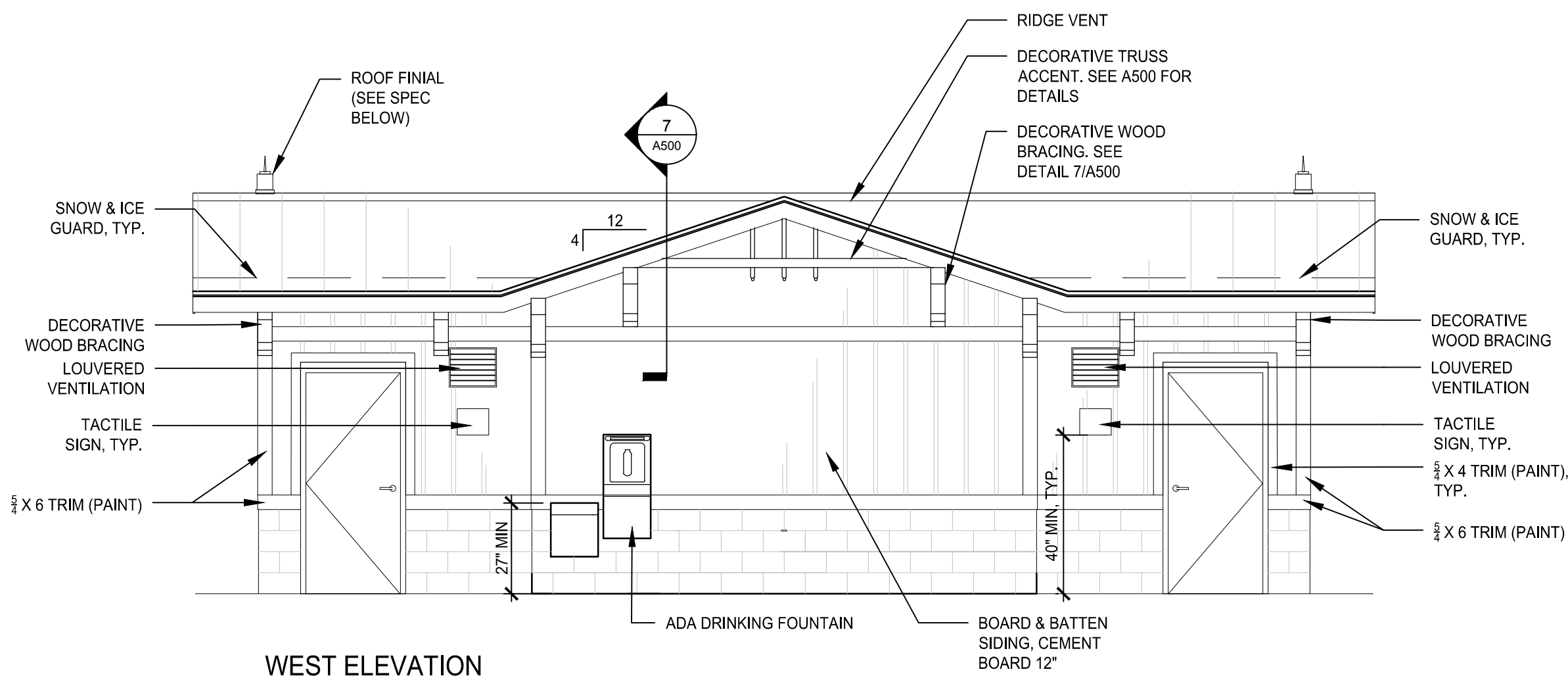
A SECTION
SCALE: 1/4" = 1'-0"

NOTE:
GENERAL CONTRACTOR TO SUPPLY TRUSS DRAWINGS TO
BUILDING INSPECTION DEPT. FOR PERMIT APPROVAL.

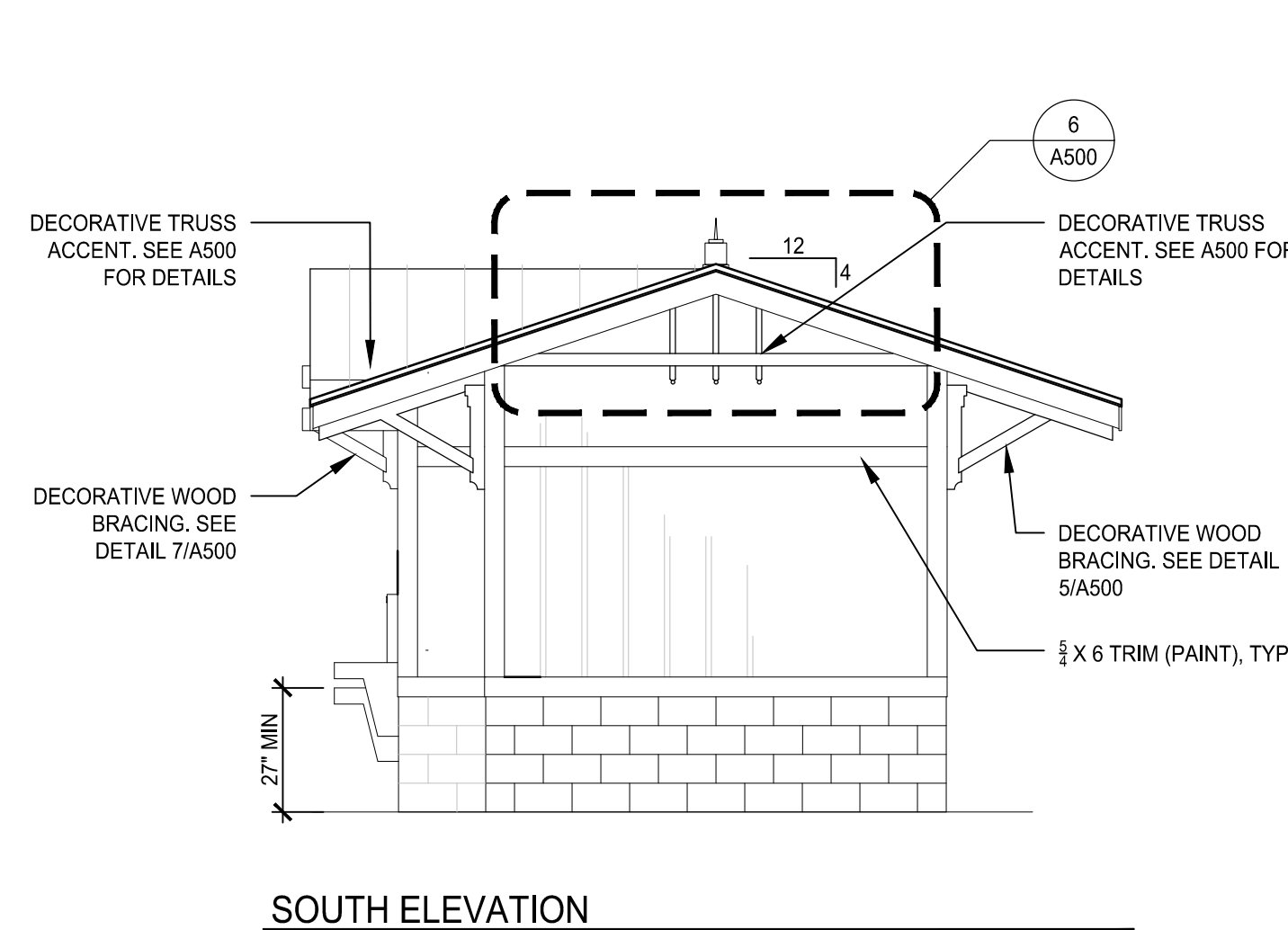


B SECTION
SCALE: 1/4" = 1'-0"

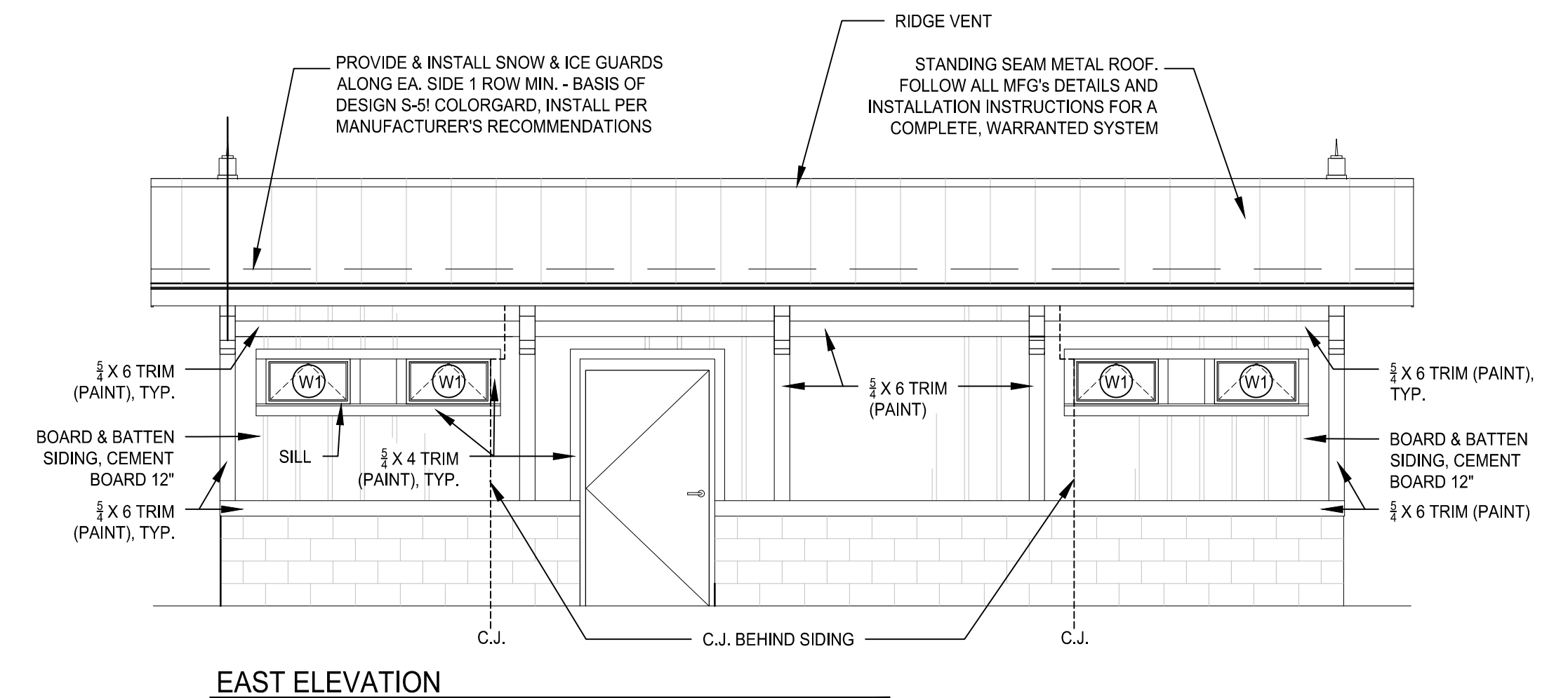
NOTES:
GENERAL CONTRACTOR TO SUPPLY TRUSS DRAWINGS TO BUILDING
INSPECTION DEPT. FOR PERMIT APPROVAL.
PROVIDE BLOCKING AS NECESSARY FOR SUPPORT OF DECORATIVE
WOOD BRACING.



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



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



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

ROOF FINIAL SPEC:
www.architecturaldepot.com
by Dalvento, LLC
Item No.: DV103SWG
SMALL ROMAN FINIAL - WHITE GLOSS METAL
SIZE: 5"W x 5"D x 24"H
OR APPROVED EQUAL

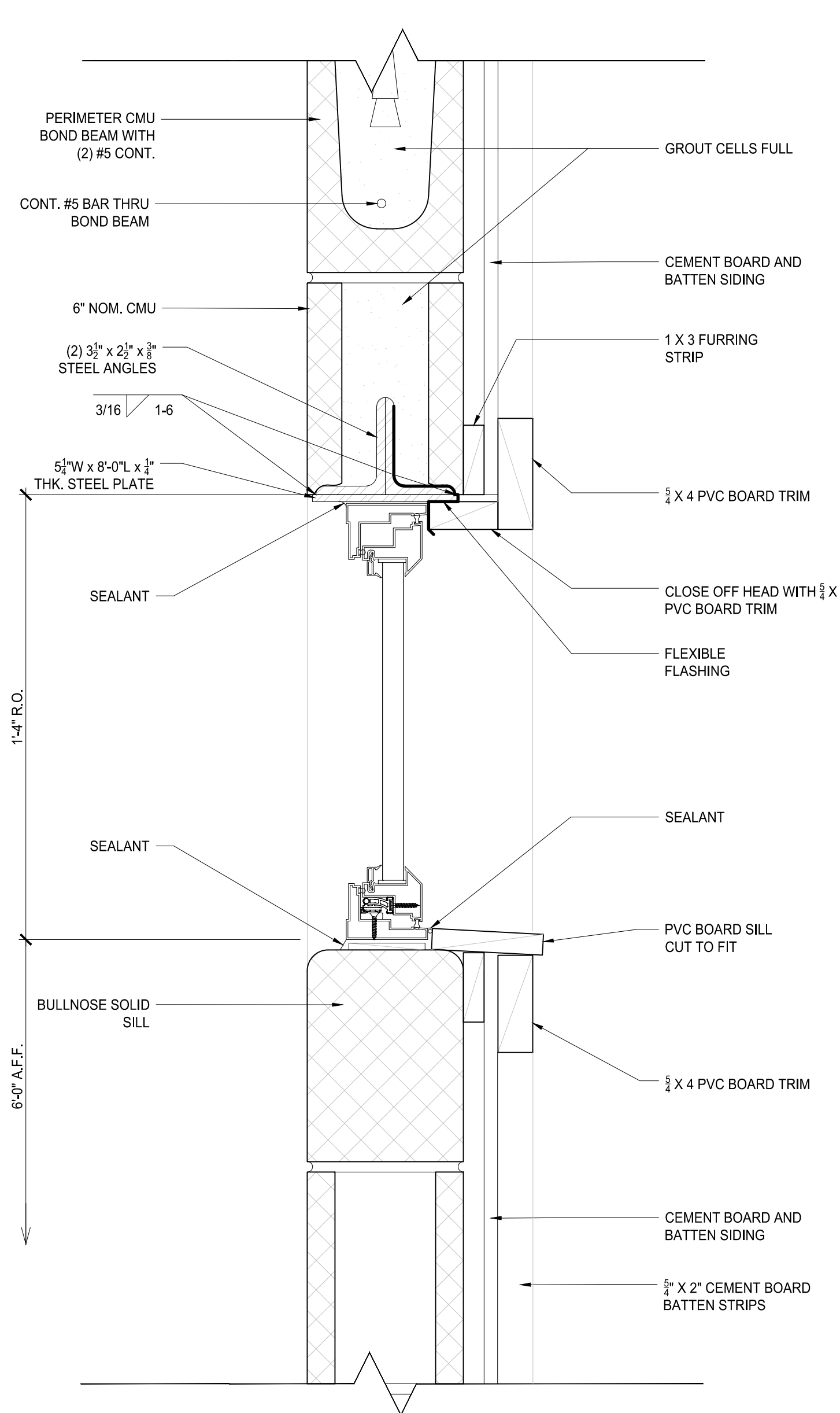


Scale	Date	AS INDICATED
AS INDICATED	03/01/2024	...

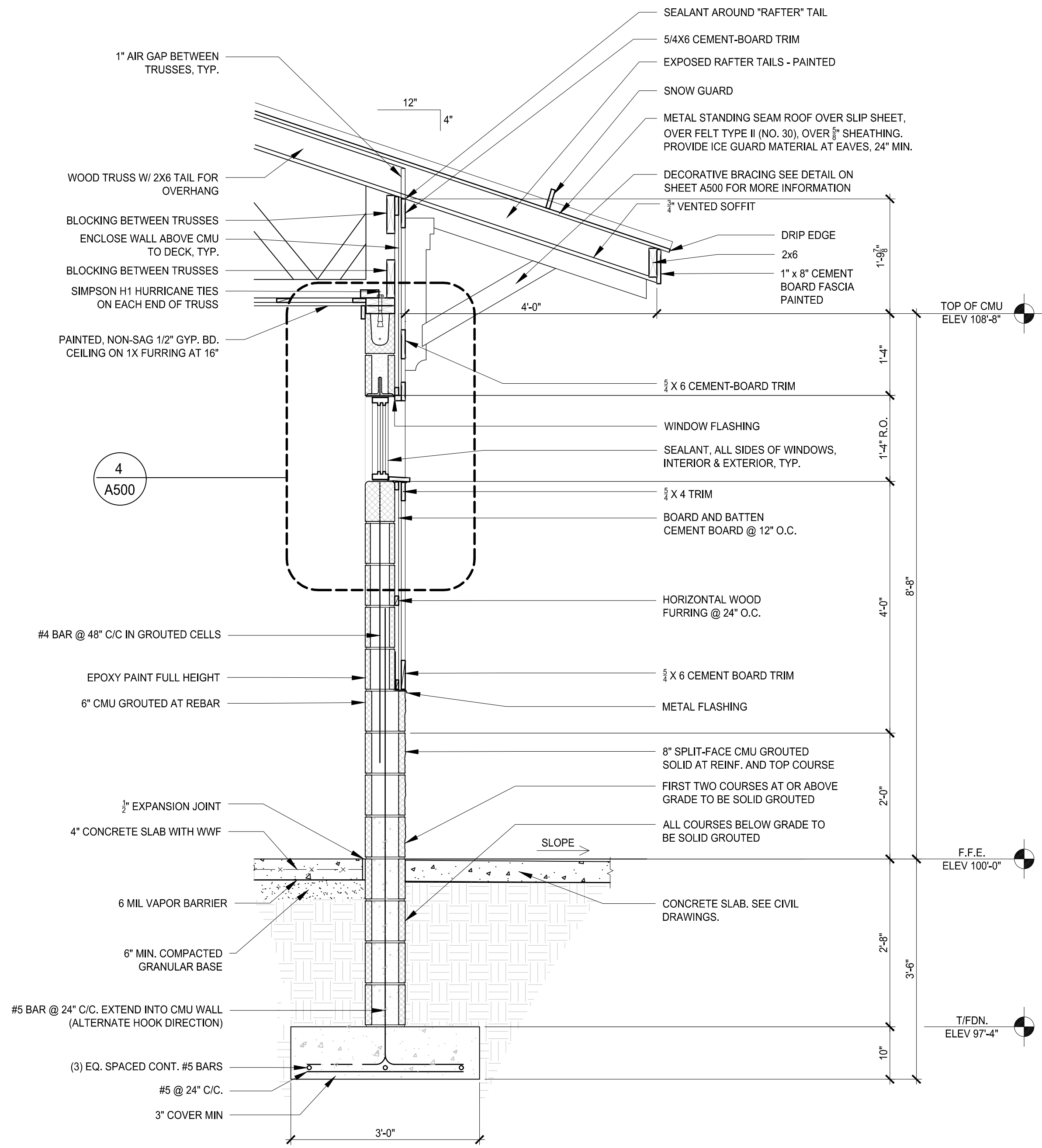
Scale	Date	AS INDICATED
AS INDICATED	03/01/2024	...

Scale	Date	AS INDICATED
AS INDICATED	03/01/2024	...

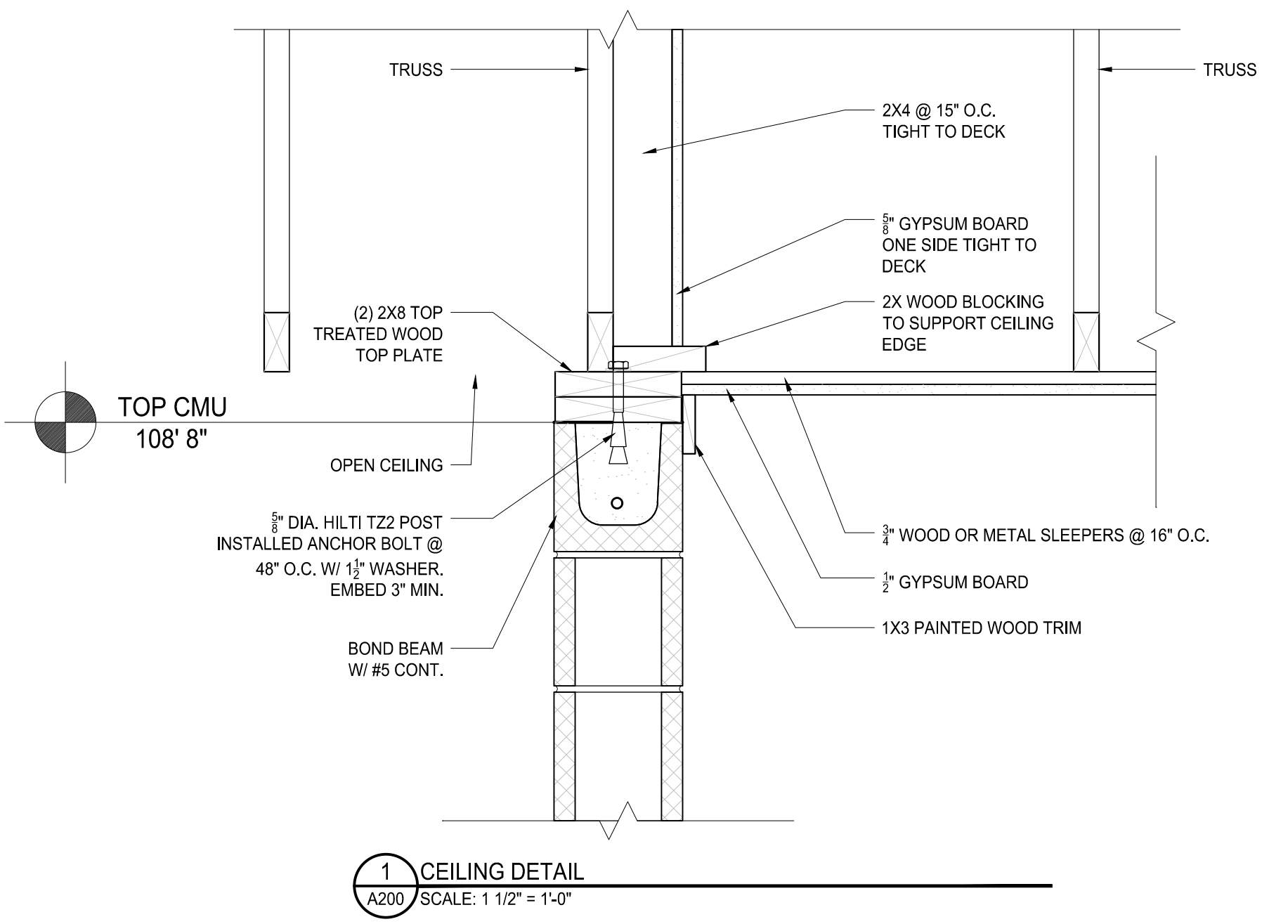
Scale	Date	AS INDICATED
AS INDICATED	03/01/2024	...



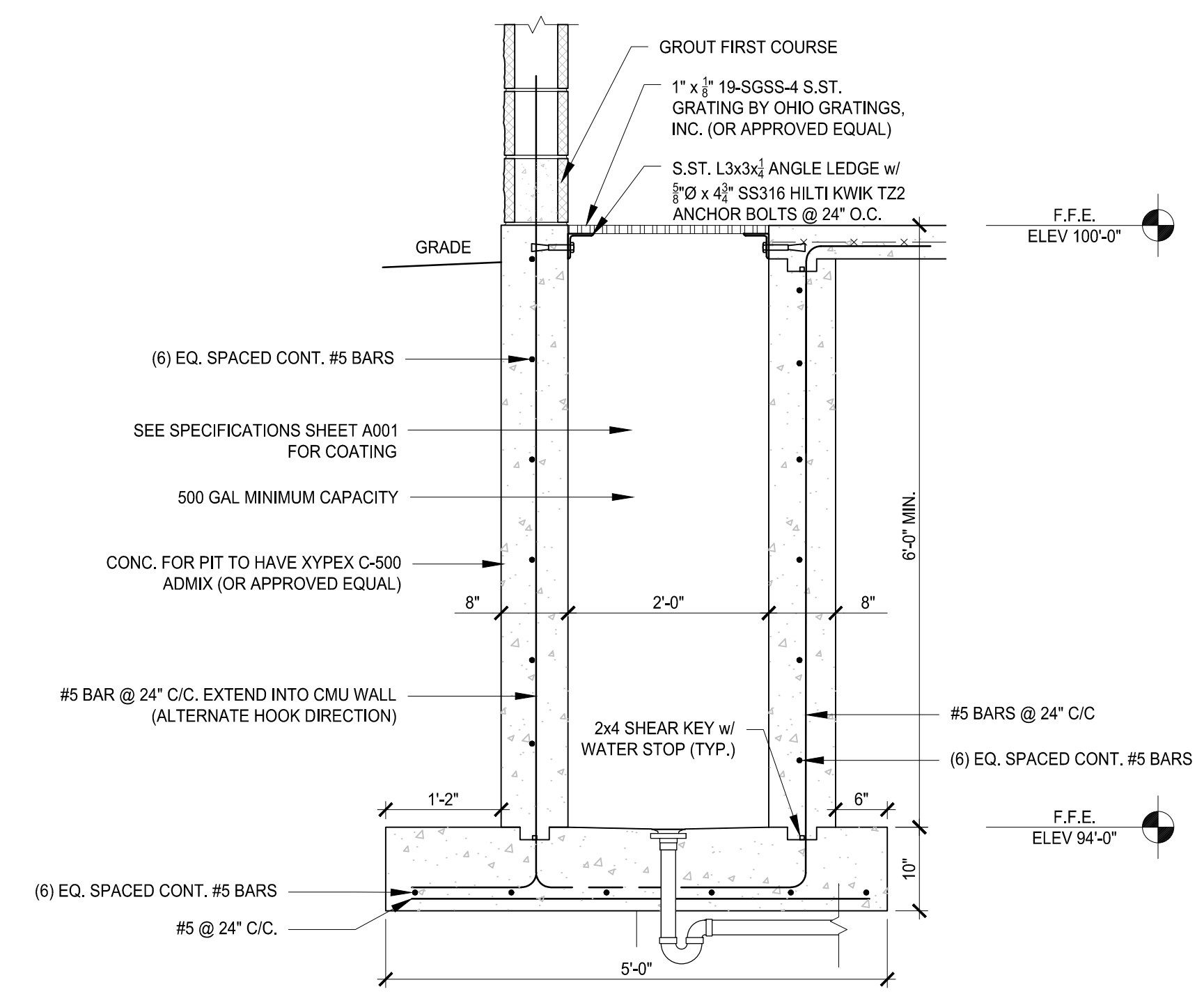
4 WINDOW SECTION
 A500 SCALE: 3/4" = 1'-0"
 NOTE: TO MAKE IT EASIER TO TRIM AROUND WINDOWS AND DOORS, USE PVC (AZEK) TRIM. SEE SPECS SHEET A001 FOR PAINTABLE PVC TRIM.



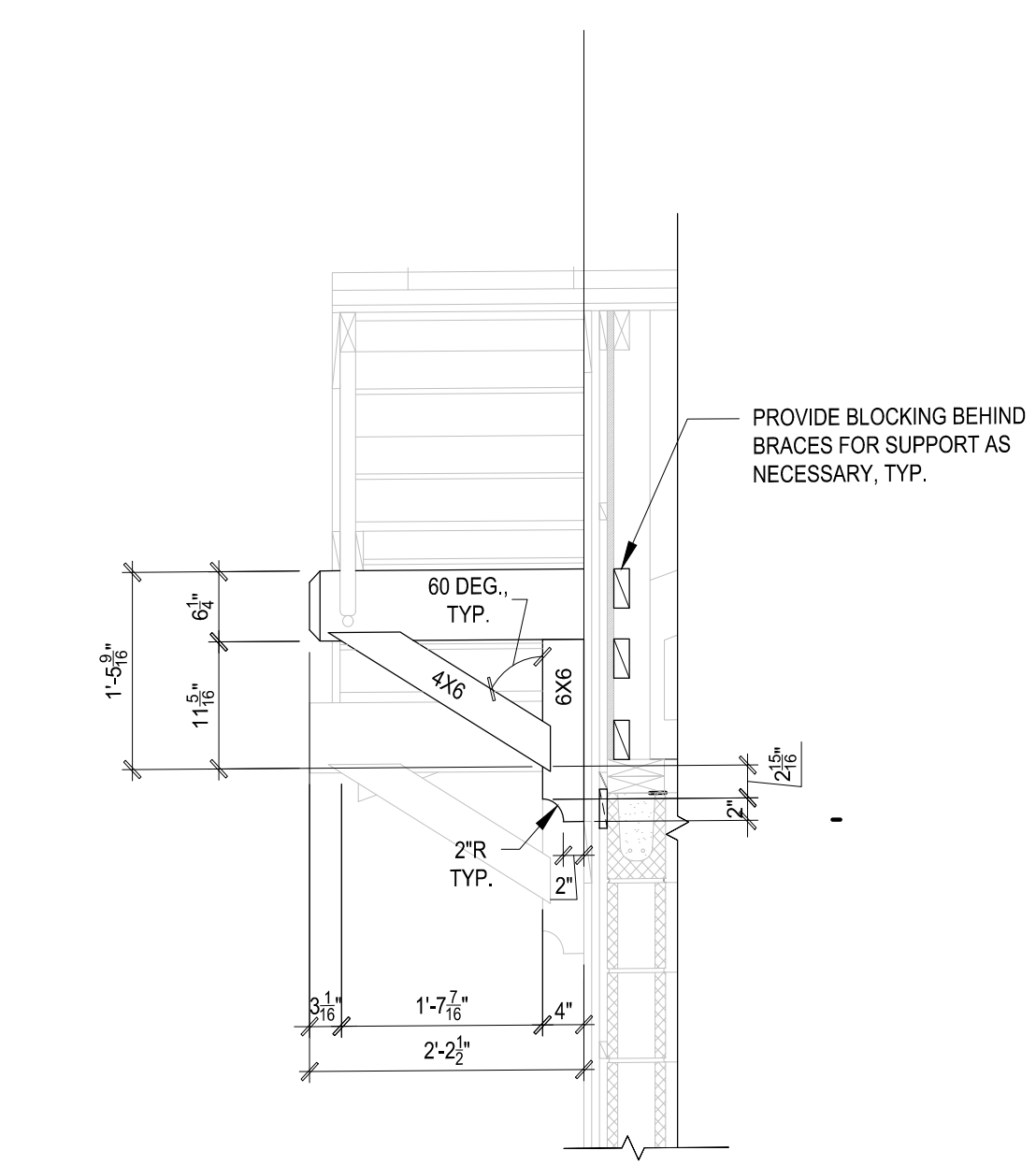
3 TYP. WALL SECTION
 A200 SCALE: 3/4" = 1'-0"
 NOTES:
 • ALL TRIM IS CEMENT BOARD PRODUCT UNLESS NOTED OTHERWISE
 • ALL SIDING IS CEMENT BOARD PRODUCT
 • MATERIAL SPECIFICATIONS, SEE SHEET A-001
 • EXTERIOR CONCRETE SLAB AROUND PERIMETER OF BUILDING, SEE CIVIL DRAWINGS. SLOPE AWAY FROM BUILDING. AT DOORS, DROP EXTERIOR SLAB 1/2" MAX FROM FINISH FLOOR FOR ADA CLEARANCE.



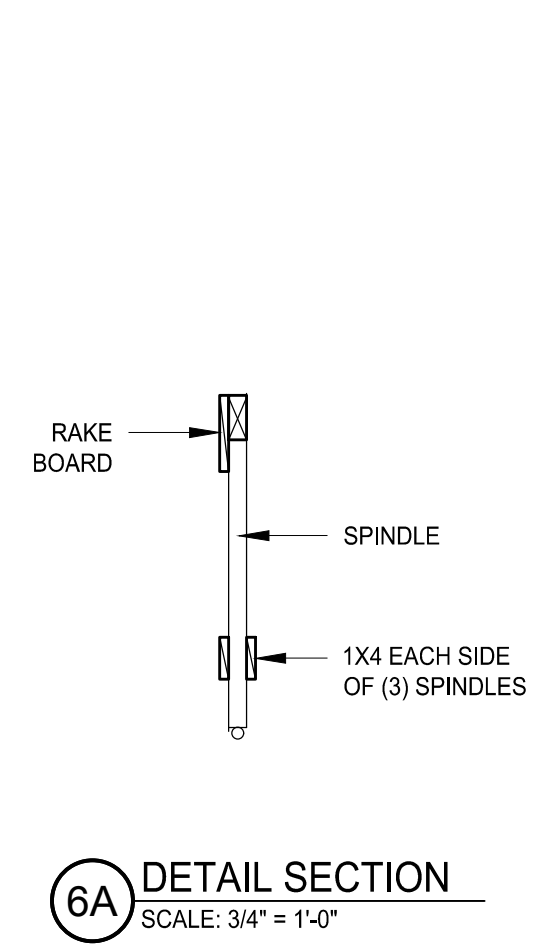
1 CEILING DETAIL
 A200 SCALE: 1/2" = 1'-0"



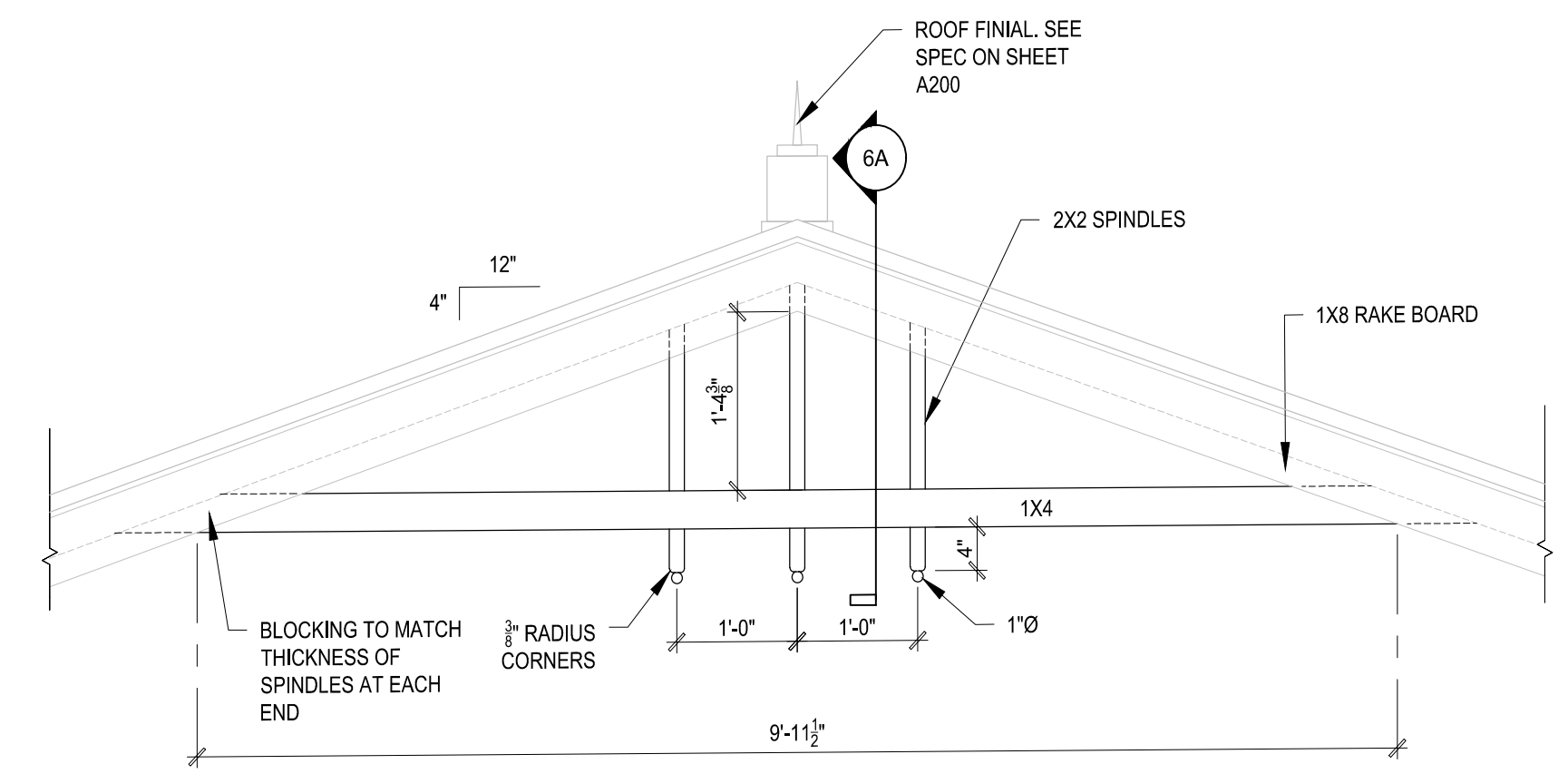
2 CONCRETE PIT SECTION
 A100 SCALE: 3/4" = 1'-0"
 NOTES:
 • CUT S. ST. GRATING AROUND PIPING.
 • PROVIDE BITUMINOUS EXPANSIVE WATER STOP AT ALL SHEAR KEYS HENRY SYNKO FLEX WATER STOP.



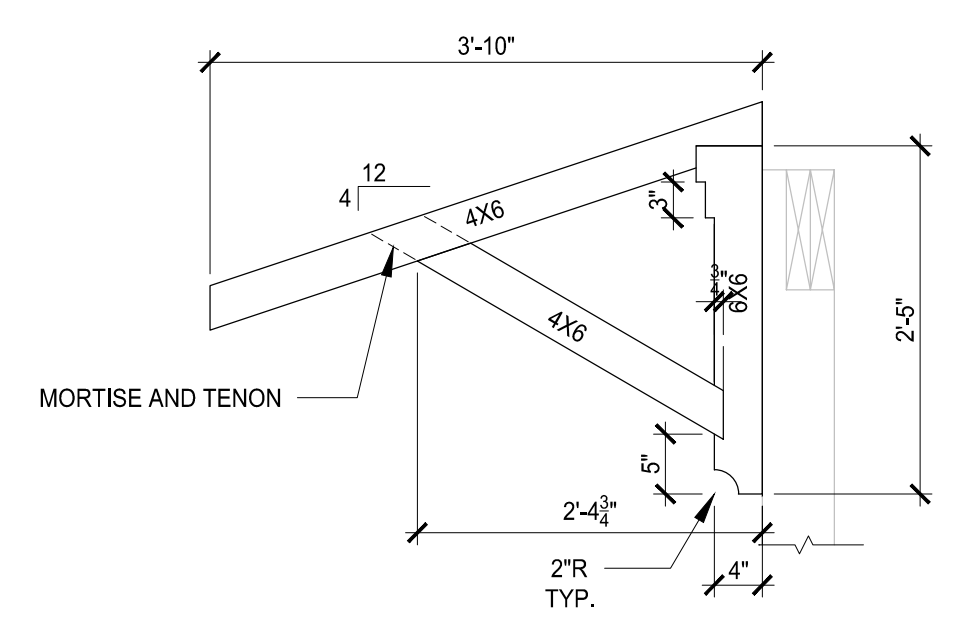
5 DECORATIVE BRACING - WEST FACADE GABLE
 SCALE: 3/4" = 1'-0"



6A DETAIL SECTION
 SCALE: 3/4" = 1'-0"



6 GABLE RAKE DECORATION
 SCALE: 3/4" = 1'-0"



5 DECORATIVE BRACING
 SCALE: 3/4" = 1'-0"

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			ISSUED FOR BIDDING	ISSUED FOR BUILDING PERMITS	ISSUED FOR OWNER REVIEW	OWNER REVIEW	
			03/01/2024	02/23/2024	02/05/2024	12/04/2023	
			4	3	2	1	

ROOM FINISH SCHEDULE										
ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	NORTH WALL	SOUTH WALL	EAST WALL	WEST WALL	CEILING HEIGHT	CEILING FINISH	COMMENTS
100	WOMENS	EPOXY	RB	EPOXY PAINT	EPOXY PAINT	EPOXY PAINT	EPOXY PAINT	8'-8"	PAINT	6" BASE
101	MENS	EPOXY	RB	EPOXY PAINT	EPOXY PAINT	EPOXY PAINT	EPOXY PAINT	8'-8"	PAINT	6" BASE
102	PUMP ROOM	EPOXY	---	EPOXY PAINT	EPOXY PAINT	EPOXY PAINT	EPOXY PAINT	---	---	---

1. ALL FINISH MATERIALS SHALL MEET THE REQUIREMENTS OF SECTION 803 OF THE OBC.
2. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR SURFACE PREP AND INSTALLATION OF ALL MATERIALS.
3. PAINT CMU W/ EPOXY PAINT FOR PUMP ROOM AND BOTH WASHROOMS
4. PAINT MOISTURE RESISTANT DRYWALL WITH PAINT FOR ALL CEILINGS

ABBREVIATIONS
RB = RESILIENT BASE

FOSTORIA SPLASH PAD DOOR HARDWARE

EQUIVALENT HARDWARE MUST BE SELECTED AT TIME OF BIDDING.

HINGES:
MCKINNEY/ASSA ABLOY OR APPROVED EQUIVALENT
5-KNUCKLE, FULL MORTISE
HEAVY DUTY WEIGHT
SIZE: 4-1/2" X 4-1/2"
MODEL: T4A3386 STAINLESS STEEL
FINISH: 32D
N.R.P. - NON-REMOVABLE PIN

HANDLE LEVERS:
SARGENT/ASSA ABLOY OR APPROVED EQUIVALENT
CYLINDRICAL LEVER L LOCK
SERIES 10X LINE
TYPE: 10XJ65 PRIVACY/BATHROOM AND
TYPE: 10XG13 EXIT LATCH LOCKSET (7 PIN) (STORAGE RM)
LEVER - L
ROSE - L
FINISH: 26D SATIN CHROME

CLOSERS:
SARGENT/ASSA ABLOY OR APPROVED EQUIVALENT
SARGENT 351 SERIES POWER GLIDE
SARGENT CPS HEAVY DUTY PARALLEL ARM WITH COMPRESSION STOP
UO PACKAGE
FINISH: 689, ALUMINUM POWDER COATED

THRESHOLD:
NGP OR APPROVED EQUIVALENT
NGP SADDLE ADA #425
FINISH: ALUMINUM

DOOR SWEEPS:
NGP VINYL DOOR SWEEPS OR APPROVED EQUIVALENT
NGP #102VA

DOOR SEALS:
NGP DOOR SEALS OR APPROVED EQUIVALENT
NGP #160S

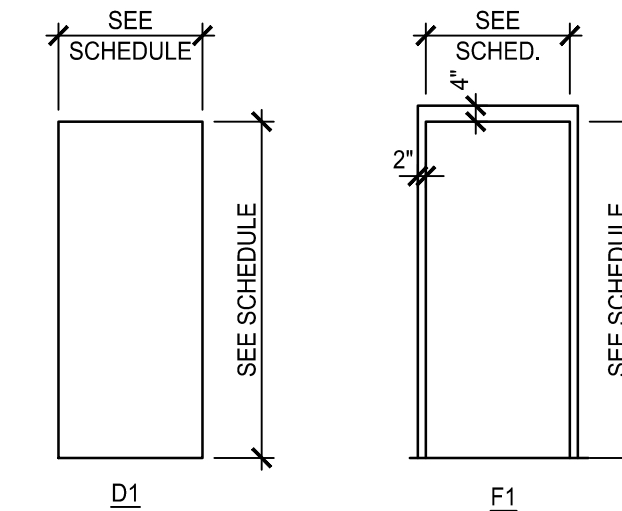
WALL STOP:
ROCKWOOD/ASSA ABLOY OR APPROVED EQUIVALENT
ROCKWOOD #409
CONCAVE BUMPER

KICKPLATE:
ROCKWOOD/ASSA ABLOY OR APPROVED EQUIVALENT
ROCKWOOD #K1050
FINISH: US32D
STAINLESS STEEL

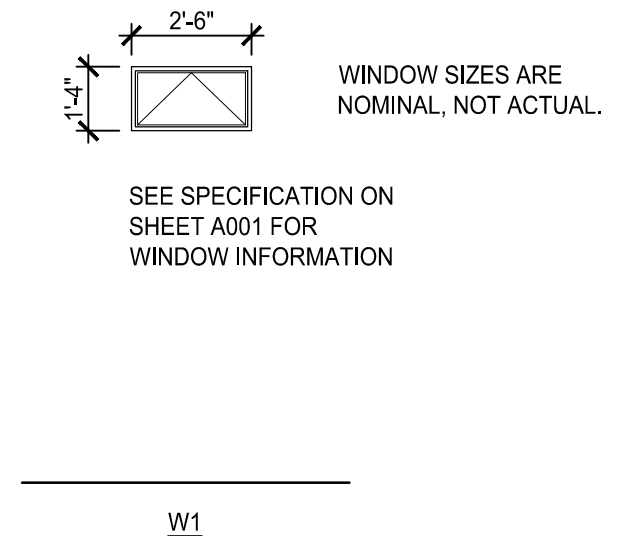
RAIN DRIPS:
NGP OR APPROVED EQUIVALENT
MODEL: 8A, LENGTH 40-INCH
FINISH: ANODIZED ALUMINUM

DOOR SCHEDULE														
NUMBER	DIMENSIONS				TYPE	MATERIAL	FINISH	HARDWARE SET	FRAME			DETAILS		REMARKS
	WIDTH	HEIGHT	THICKNESS						TYPE	MATERIAL	FINISH	JAMB	HEAD	
100	3'-0"	7'-0"	1 3/4"		D1	H.M.	PAINT	1	F1	H.M.	PAINT	J1	H1	CLOSER
101	3'-0"	7'-0"	1 3/4"		D1	H.M.	PAINT	1	F1	H.M.	PAINT	J1	H1	CLOSER
102	4'-0"	7'-0"	1 3/4"		D1	H.M.	PAINT	2	F1	H.M.	PAINT	J1	H1	CLOSER

1. ALL DOOR HARDWARE SHALL MEET ADA REQUIREMENTS.
2. DOOR HARDWARE FINISH SHALL BE SELECTED BY THE OWNER.
3. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION OF DOORS AND HARDWARE.
4. ALL DOOR HANDLES SHALL BE LEVER TYPE. CONTROLS AND OPERATION MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NOT GREATER THAN 5 LBS.



DOOR & FRAME TYPES
SCALE: 1/4" = 1'-0"

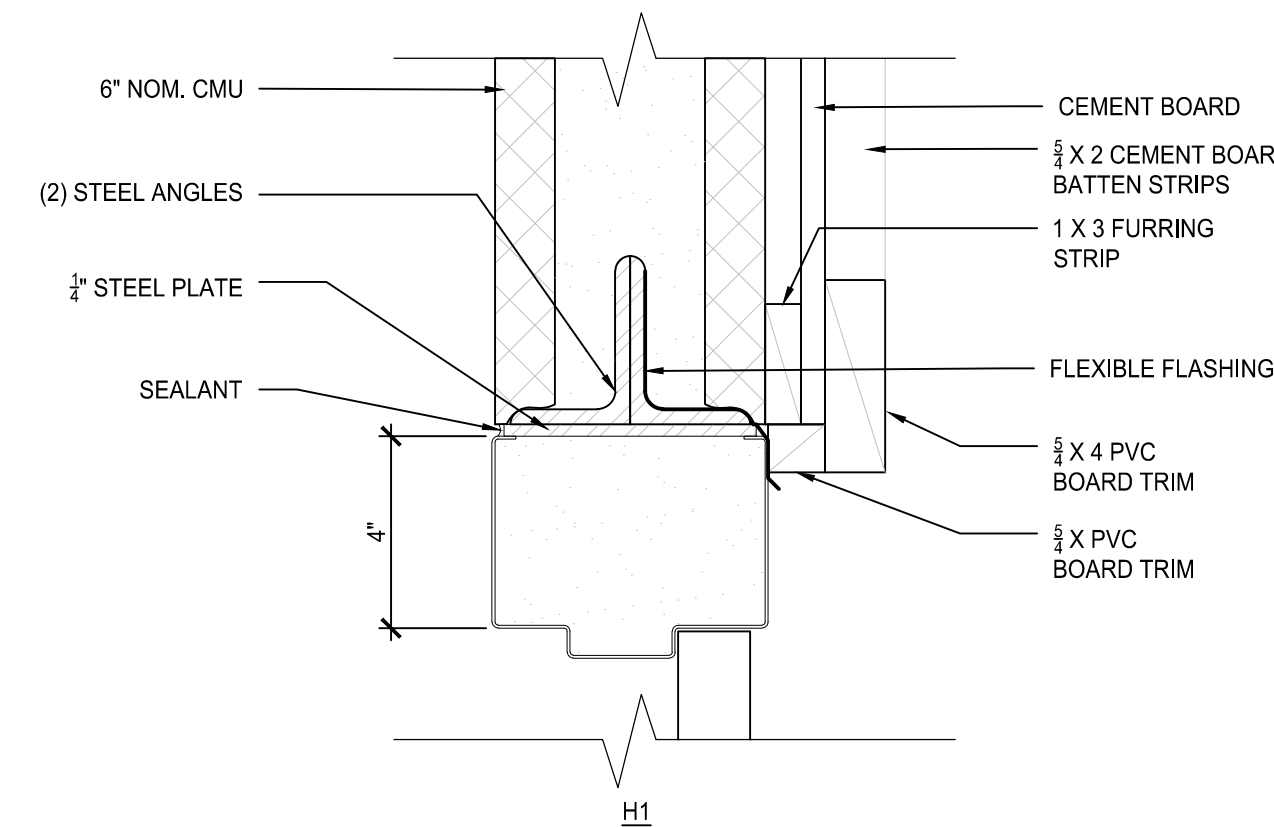
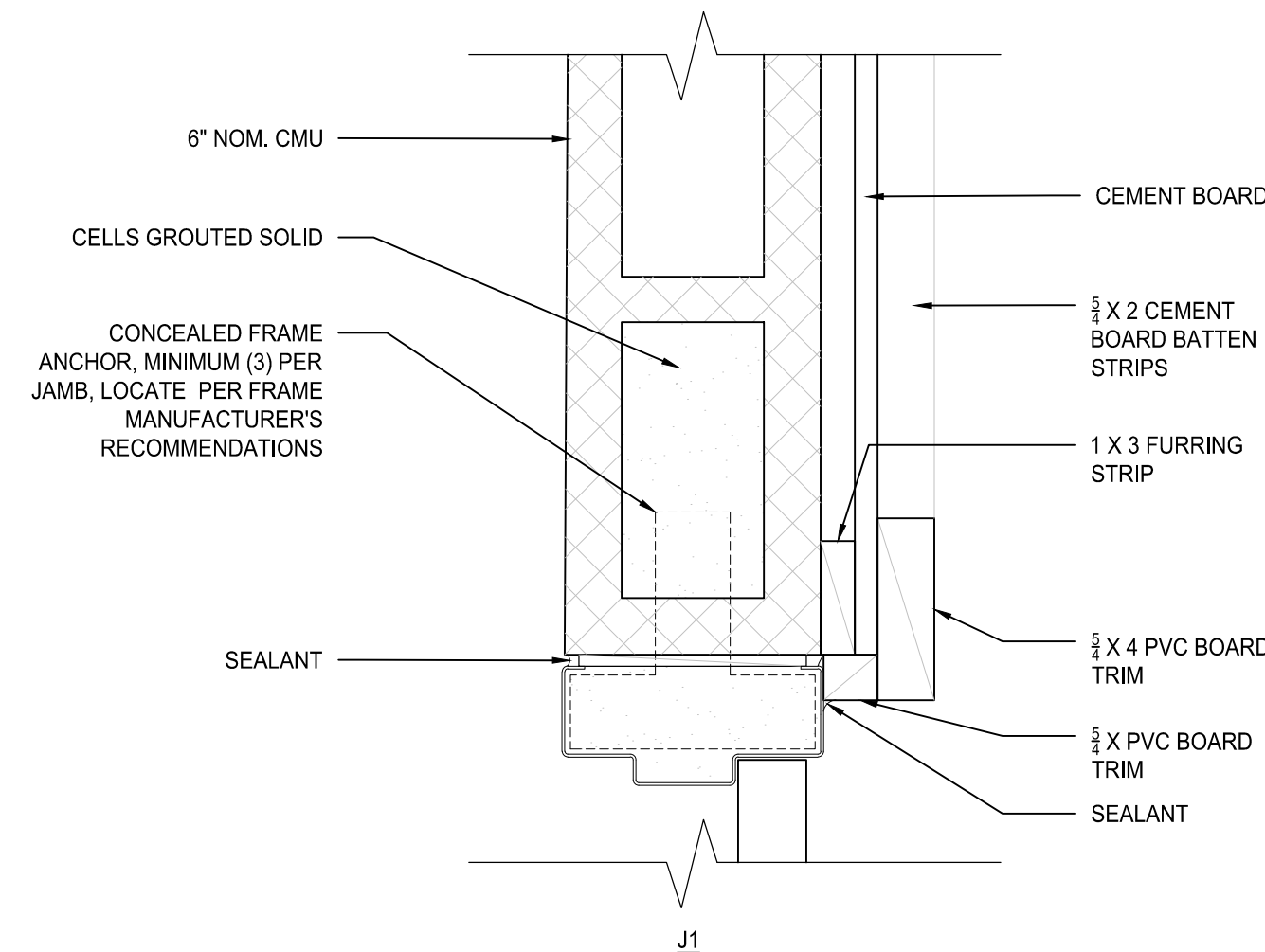


WINDOW TYPE
SCALE: 1/4" = 1'-0"

HARDWARE SCHEDULE

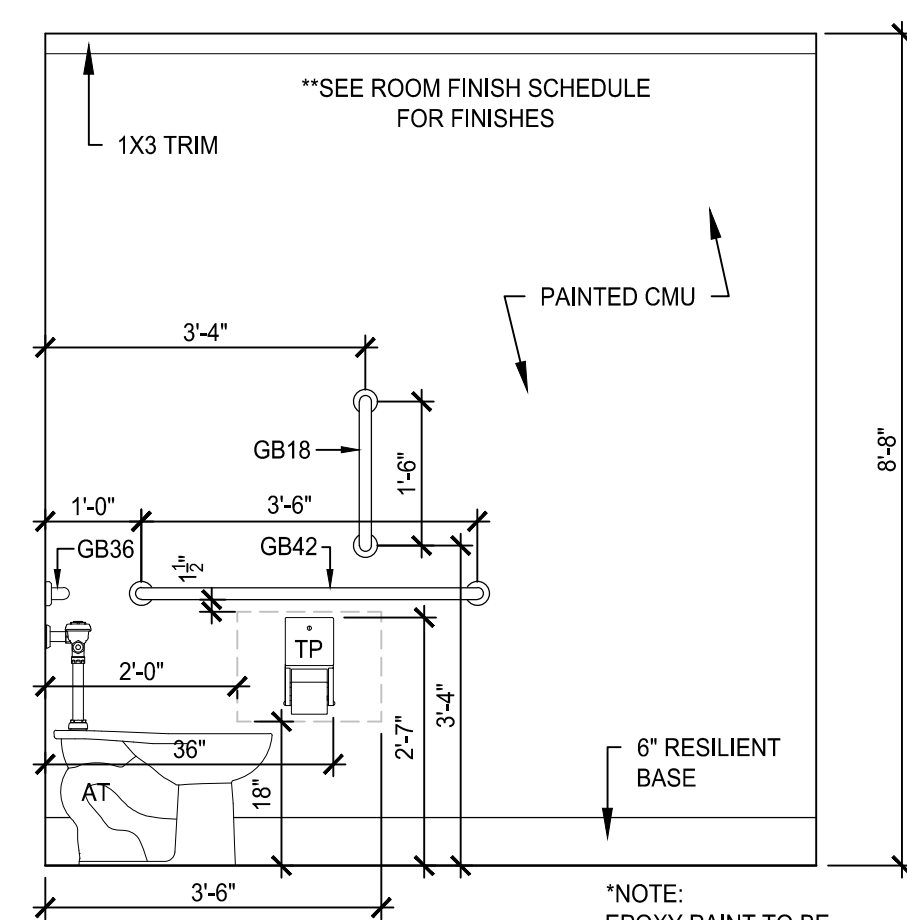
1. PRIVACY SET
3 HINGES
ADA LEVER STYLE HANDLE W/ PUSH BUTTON LOCK
CLOSER
KEYED DEADBOLT FOR WINTERIZATION ONLY
THRESHOLD - ADA
DOOR SWEEP
DOOR SEAL
WALL STOP
KICKPLATE
RAIN DRIP
2. LOCK SET - STORAGE ROOM
4 HINGES
ADA LEVER STYLE HANDLE
CLOSER
KEYED DEADBOLT FOR WINTERIZATION ONLY
THRESHOLD - ADA
DOOR SWEEP
DOOR SEAL
WALL STOP
KICKPLATE
RAIN DRIP

- NOTES:**
- COORDINATE DOOR KEYING WITH OWNER.
 - KEYED DEADBOLTS ARE FOR WINTERIZATION ONLY. KEY IS ON EXTERIOR. NO THUMB LATCH ON INTERIOR. NOT ABLE TO LOCK DEADBOLT FROM INSIDE.

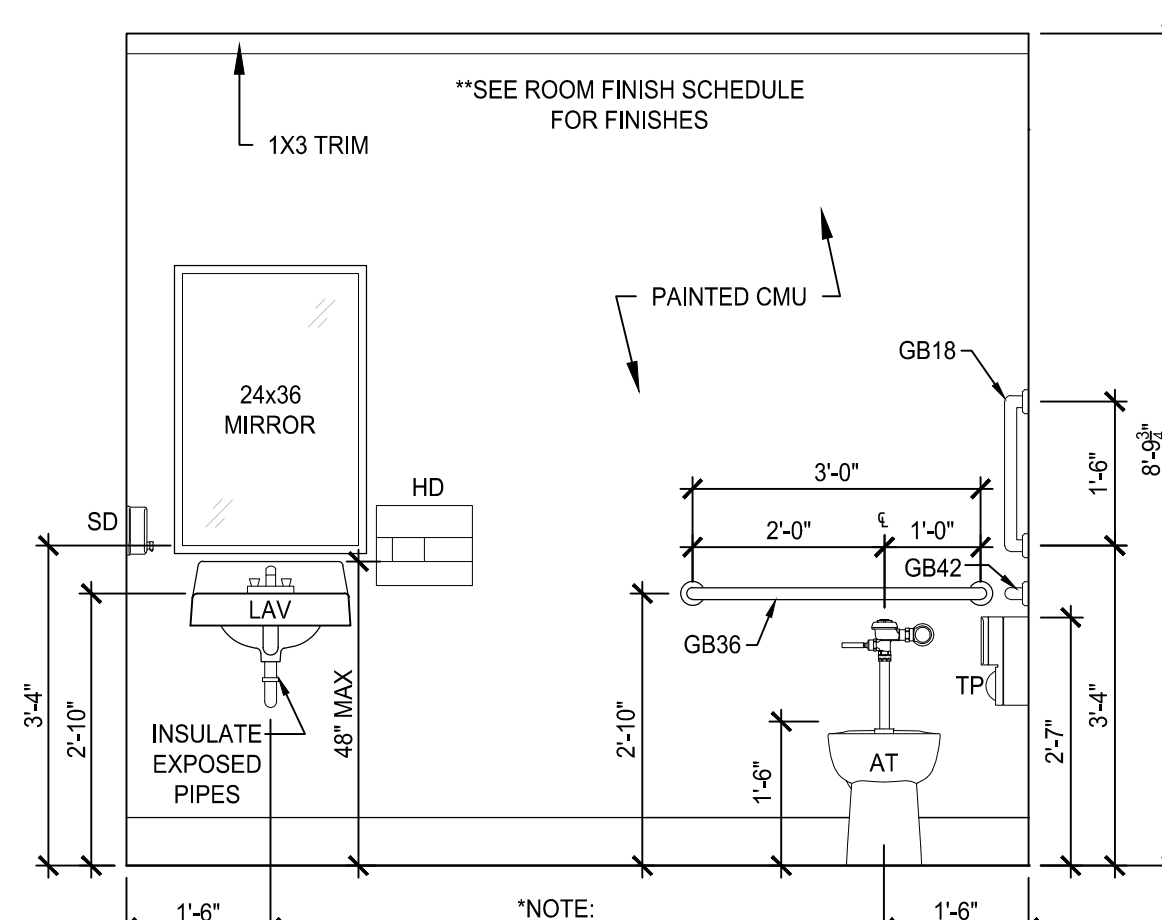


JAMB & HEAD DETAILS

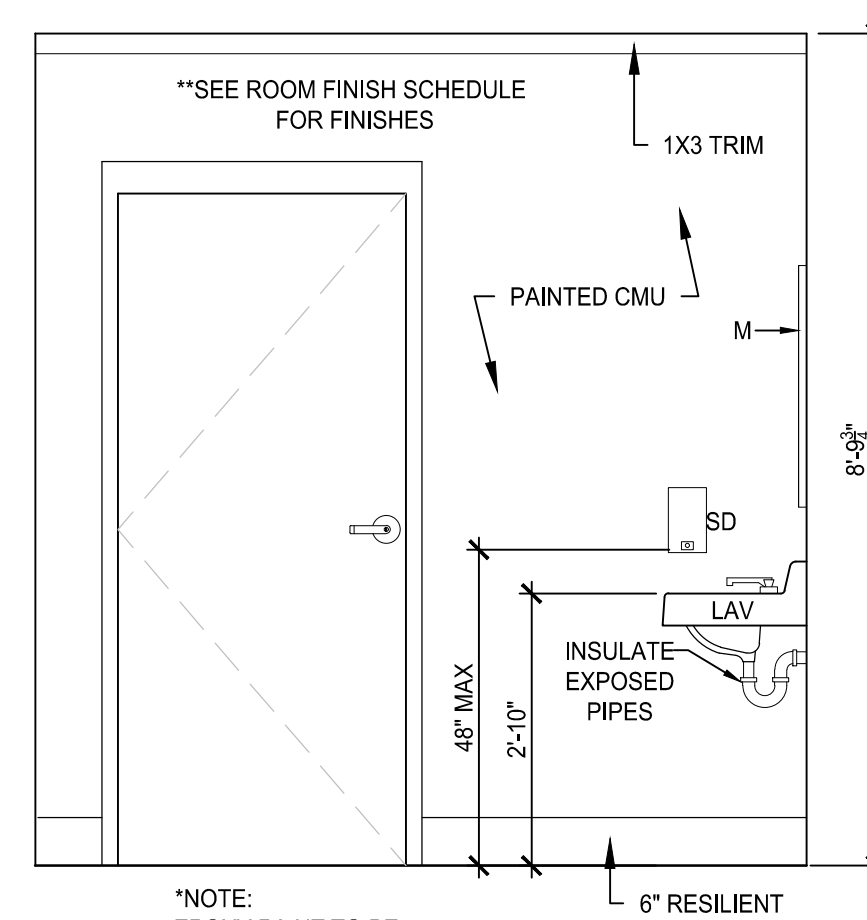
NOTE: TO MAKE IT EASIER TO TRIM AROUND WINDOWS AND DOORS, USE PVC (AZEK) TRIM. SEE SPECS SHEET A001 FOR PAINTABLE PVC TRIM.



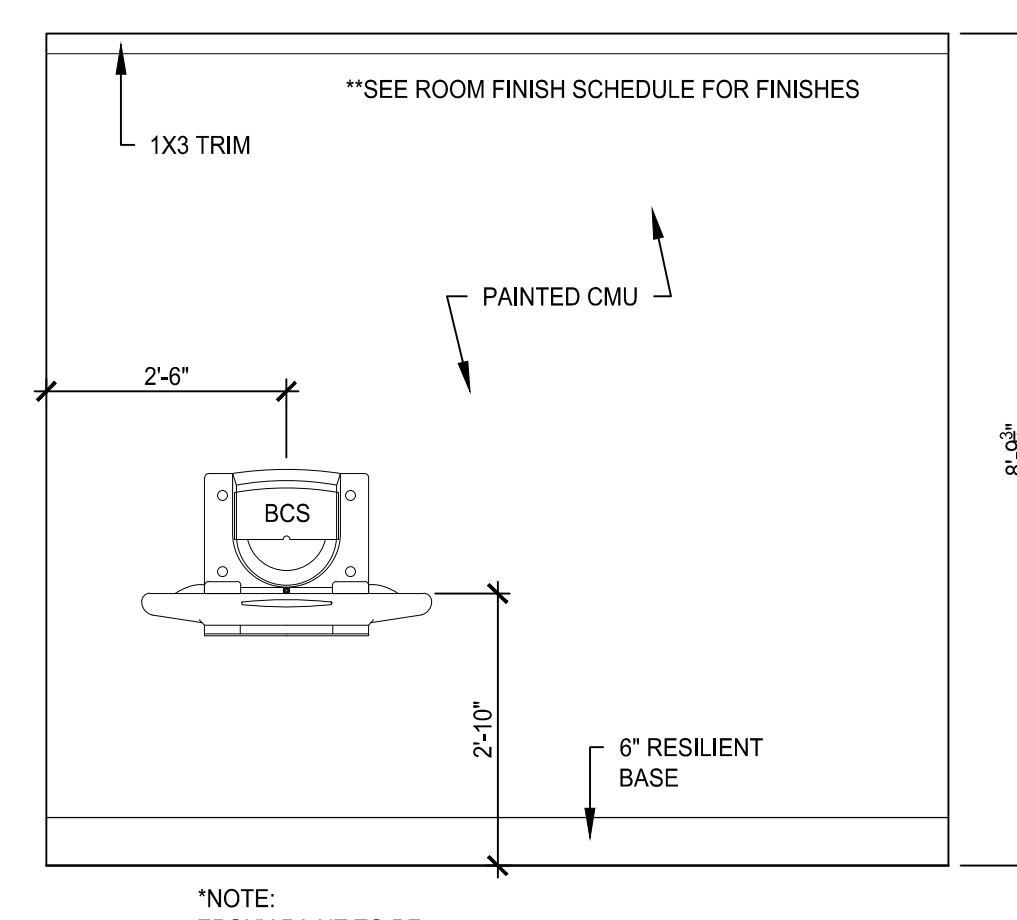
5 SOUTH WALL AT WOMENS 100
A501 SCALE: 1/2" = 1'-0" (MENS 101 SIM. OPPOSITE)



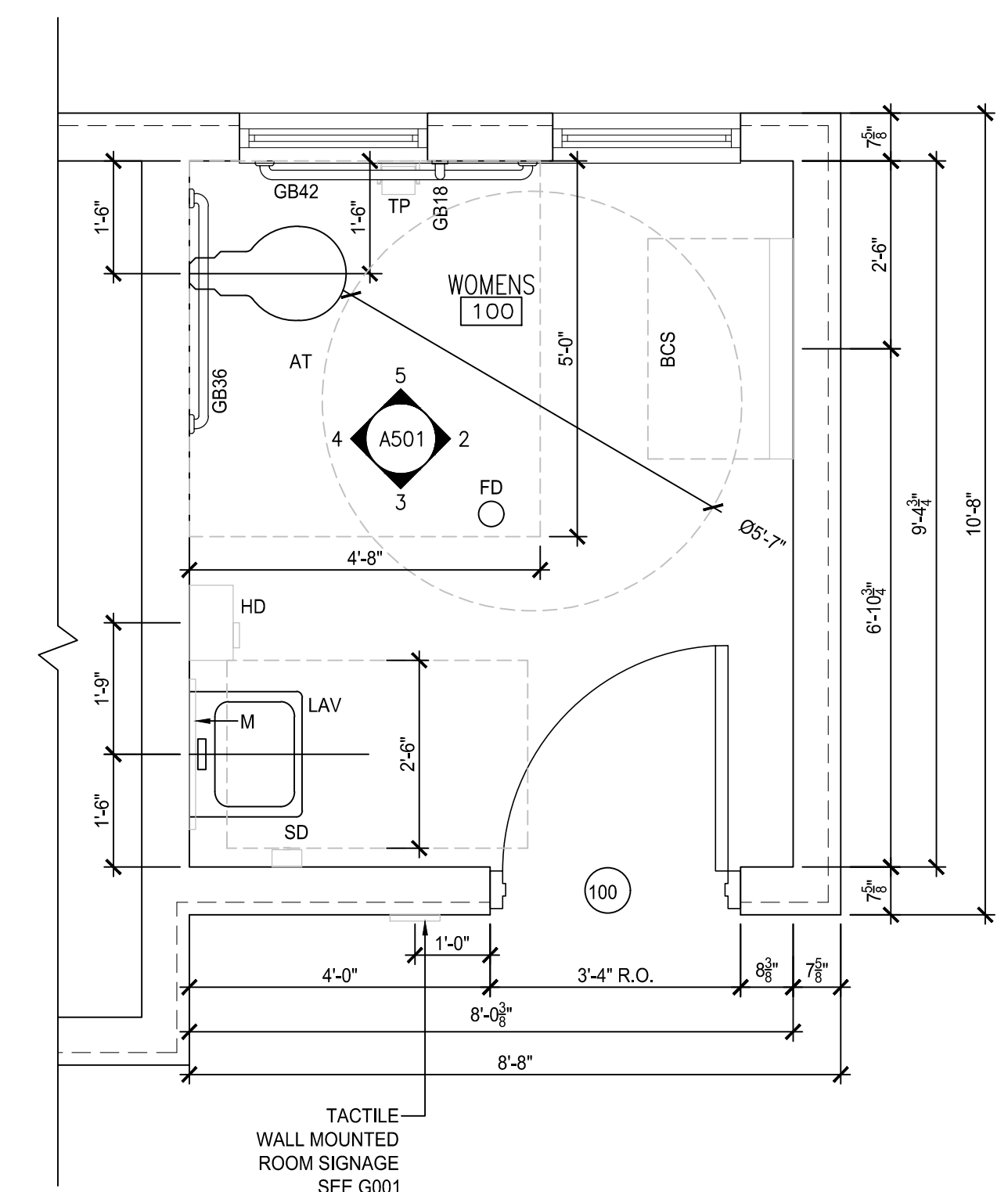
4 EAST WALL AT WOMENS 100
A501 SCALE: 1/2" = 1'-0" (WEST MENS 101 SIM. OPPOSITE)



3 NORTH WALL AT WOMENS 100
A501 SCALE: 1/2" = 1'-0" (MENS 101 SIM. OPPOSITE)



2 WEST WALL AT WOMENS 100
A501 SCALE: 1/2" = 1'-0" (EAST MENS 101 SIM. OPPOSITE)



1 ENLARGED FLOOR PLAN - WOMENS 100
A100 SCALE: 1/2" = 1'-0" (MENS 101 SIMILAR OPPOSITE)

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			03/01/2024	02/23/2024	02/05/2024	12/04/2023	
							Description
							REV/ISSIONS

Scale	Date	Job No.	Designed by	Drawn by	Checked by	Approved by	Status
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AS INDICATED	03/01/2024	24001561.002A	WRS	AJM	WRS	WRS	...

CITY OF FOSTORIA, OH
FOSTORIA SPLASHPAD
DOORS, WINDOWS, AND ROOM FINISHES

PLUMBING SPECIFICATIONS

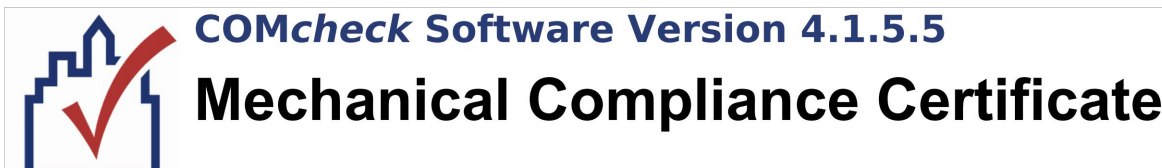
- 1.01 PURPOSE THESE OUTLINE SPECIFICATIONS ARE NOT INTENDED TO COVER ALL NECESSARY ITEMS, BUT TO SERVE AS A GUIDE TO FURNISH AND INSTALL A COMPLETE PLUMBING SYSTEM AS DESCRIBED HEREIN. 1.02 SCOPE OF WORK FURNISH AND INSTALL THE PLUMBING SYSTEMS AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN. 1.03 CONTRACT DRAWINGS IN GENERAL, DRAWINGS ARE SCHEMATIC IN NATURE AND ARE INTENDED AS A GUIDE TO THE CONTRACTOR... 1.04 VERIFICATION BEFORE RUNNING ANY PIPING, ETC. WITHIN THE BUILDING, THIS CONTRACTOR SHALL ASSURE HIMSELF THAT THEY CAN BE INSTALLED AS CONTEMPLATED WITHOUT TRAPPING OR INTERFERING WITH COLUMNS, BEAMS, PIPING, FIXTURES, ETC. 1.05 SITE VISIT ALL CONTRACTORS BIDDING THE WORK INDICATED THROUGHOUT THESE CONTRACT DOCUMENTS ARE REQUIRED TO VISIT, AND THOROUGHLY EXAMINE THE PROJECT SITE AND ITS ASSOCIATED CONDITIONS. 1.06 GUARANTEE THE CONTRACTOR GUARANTEES BY HIS ACCEPTANCE OF THE CONTRACT THAT ALL WORK WILL BE FREE FROM DEFECTS IN WORKMANSHIP AND/OR MATERIALS AND THAT ALL APPARATUS WILL DEVELOP CAPACITIES AND CHARACTERISTICS SPECIFIED. 1.07 SUBMITTALS AFTER RECEIVING APPROVAL OF EQUIPMENT MANUFACTURERS AND PRIOR TO DELIVERY OF ANY MATERIAL TO JOB SITE AND SUFFICIENTLY IN ADVANCE OF THE REQUIREMENTS TO ALLOW ARCHITECT AMPLE TIME FOR CHECKING, SUBMIT FOR REVIEW DETAILED DIMENSIONED DRAWINGS AND/OR EQUIPMENT OUT SHEETS SHOWING CONSTRUCTION SIZE, ARRANGEMENT, OPERATING CLEARANCES, PERFORMANCE CHARACTERISTICS AND CAPACITY OF MATERIAL AND EQUIPMENT. 1.08 CUTTING, PATCHING & FINISHING PROVIDE CUTTING AND PATCHING OF ALL MATERIALS NECESSARY FOR THE INSTALLATION AS INDICATED OR SPECIFIED. NEATLY REMOVE AND LEGALLY DISPOSE OF PLUMBING COMPONENTS AND ITEMS NO LONGER IN USE. 1.09 CONNECTIONS TO EXISTING WORK PLAN THE INSTALLATION OF NEW WORK AND CONNECTIONS TO EXISTING WORK TO ENSURE MINIMUM INTERFERENCE WITH THE REGULAR OPERATION OF THE EXISTING FACILITIES.

- 1.10 NEW WORK UNLESS OTHERWISE NOTED, ALL WORK INDICATED THROUGHOUT THESE DRAWINGS SHALL BE CONSIDERED TO BE NEW WORK AND SHALL BE INCLUDED AS AN INTEGRAL PART OF THIS CONTRACT. 1.11 CLOSE-OUT CONTRACTOR SHALL PROVIDE FIELD-TESTING, CHECKOUT AND SYSTEM DEMONSTRATIONS TO OWNER TO ASSURE PROPER PERFORMANCE AND ADJUSTMENT OF ITEMS PROVIDED UNDER THE CONTRACT. 2.06 PIPE INSULATION GENERAL: 1. ALL INSULATION, UNLESS OTHERWISE NOTED, SHALL HAVE A COMPOSITE RATING INCLUDING INSULATION ADHESIVES, JACKET, ETC., AS FOLLOWS: THE COMPOSITE ASSEMBLY SHALL HAVE A FLAME SPREAD RATING NOT OVER 25 AND A SMOKE DEVELOPED RATING NOT HIGHER THAN 50. 2. INSULATION SHALL BE MANUFACTURED BY OWENS-CORNING, KNAUF OR ARMSTRONG AND THERMALLY EQUIVALENT TO THE OWENS-CORNING MATERIALS SPECIFIED. 2.02 PIPING A. SANITARY WASTE - INSIDE BUILDING UNDERGROUND 1. PVC PLASTIC PIPE, SCHEDULE 40 DWV WITH SOLVENT WELDED SOCKET JOINTS. PIPE SHALL CONFORM TO ASTM D2665, D2564, D3311. 2. SANITARY WASTE & VENT - INSIDE BUILDING ABOVEGROUND 1. PVC PLASTIC PIPE, SCHEDULE 40 DWV WITH SOLVENT WELDED SOCKET JOINTS. PIPE SHALL CONFORM TO ASTM D2665, D2564. 2.04 PLUMBING SPECIALTIES A. WATER HAMMER ARRESTER (WHA) 1. WATER HAMMER ARRESTER SHALL BE OF LEAD FREE CONSTRUCTION AND SHALL BE EQUIVALENT TO WATTS #F15M2. 2. APPROVED MANUFACTURERS: PRECISION PLUMBING PRODUCTS, ZURN, WATTS, WADE. B. REDUCED PRESSURE BACKFLOW PREVENTION DEVICE 1. BACKFLOW PREVENTION DEVICE SHALL BE OF LEAD-FREE CONSTRUCTION AND SHALL BE TESTED AND CERTIFIED UNDER ASSE STANDARD #1013 USFCCC MANUAL, AWWA STANDARD C511 AND BE APPROVED BY EPA, LOCAL AND STATE CODES. 2. REDUCED PRESSURE ZONE PRINCIPLE BACKFLOW PREVENTION DEVICE SHALL INCLUDE SHUTOFF VALVES, STRAINER, TEST COCKS, AND FULL SIZE DRAIN WITH AIR GAP CONNECTION DEVICE. WATTS #F909QTS. C. THERMOMETER 1. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL DIGITAL THERMOMETER WITH VARIABLE ANGLE DISPLAY SIMILAR TO HEISS MODEL SERIES "DVM".

- 2. FLUSHMETERS; ZURN, SLOAN, KOHLER 4. LAVATORIES; ZURN, KOHLER, AMERICAN STANDARD, CRANE 5. FAUCETS; ZURN, KOHLER, CHICAGO, AMERICAN STANDARD, CRANE, ELKAY, DELTA, MOEN, SPEAKMAN, ENCORE BY CHG 6. DRINKING FOUNTAINS; ELKAY, OASIS, HAWS 7. MIXING VALVES; LAWLER, BRADLEY, POWERS, LEONARD, WATTS 8. MOP BASINS; FIAT, MUSTEE, CRANE, ZURN 9. WALL HYDRANTS; WOODFORD, ZURN, J.R. SMITH 10. CLEANOUTS; ZURN, J.R. SMITH, MIFAB 1.02 REFERENCED STANDARDS 2017 OHIO PLUMBING CODE 2017 OHIO BUILDING CODE 2.01 GENERAL THE MANUFACTURERS REFERENCED THROUGHOUT THIS OUTLINE SPECIFICATION ARE INCLUDED AS A BASIS OF DESIGN. 2.02 PIPING A. SANITARY WASTE - INSIDE BUILDING UNDERGROUND 1. PVC PLASTIC PIPE, SCHEDULE 40 DWV WITH SOLVENT WELDED SOCKET JOINTS. PIPE SHALL CONFORM TO ASTM D2665, D2564, D3311. 2. SANITARY WASTE & VENT - INSIDE BUILDING ABOVEGROUND 1. PVC PLASTIC PIPE, SCHEDULE 40 DWV WITH SOLVENT WELDED SOCKET JOINTS. PIPE SHALL CONFORM TO ASTM D2665, D2564. 2.04 PLUMBING SPECIALTIES A. 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GENERAL THE CONTRACTOR SHALL FURNISH, INSTALL, AND CONNECT ALL PLUMBING FIXTURES, SPECIALTIES AND TRIM AS SHOWN ON THE DRAWINGS AND AS HERENAFTER DESCRIBED. 2.06 PIPE INSULATION GENERAL: 1. ALL INSULATION, UNLESS OTHERWISE NOTED, SHALL HAVE A COMPOSITE RATING INCLUDING INSULATION ADHESIVES, JACKET, ETC., AS FOLLOWS: THE COMPOSITE ASSEMBLY SHALL HAVE A FLAME SPREAD RATING NOT OVER 25 AND A SMOKE DEVELOPED RATING NOT HIGHER THAN 50. 2. INSULATION SHALL BE MANUFACTURED BY OWENS-CORNING, KNAUF OR ARMSTRONG AND THERMALLY EQUIVALENT TO THE OWENS-CORNING MATERIALS SPECIFIED. 3. THE PIPING INSTALLATION MATERIAL SHALL BE AN UL-RATED, NON-COMBUSTIBLE PIPE INSULATION RECOMMENDED FOR BOTH HOT AND COLD PIPING. 4. WHERE FIBERGLASS INSULATION ON PIPING IS USED, PIPE FITTINGS SHALL BE COATED WITH INSULATING GEMENT OF A THICKNESS EQUAL TO ADJACENT PIPE INSULATION AND WRAPPED WITH GLASS CLOTH. 5. IN LIEU OF BUILDING UP A FITTING WITH INSULATING GEMENT, A PREFORMED INSULATING FITTING COVER SUCH AS ZESTON 25/50 RATED PVC INSULATED FITTING COVER WITH FIBERGLASS INSERT MAY BE USED. 6. PIPING INSULATION THICKNESS 1. DOMESTIC COLD WATER: a. 1-1/4" AND BELOW - 1/2" THICK. b. 1-1/2" AND ABOVE - 1" THICK. 2. DOMESTIC HOT WATER AND RECIRCULATION: a. 1-1/4" AND BELOW - 1" THICK. 7. ALL LAVATORIES: EXPOSED PIPING SUCH AS P-TRAPS, HOT AND COLD WATER SUPPLIES AND STOP VALVES SHALL BE PROVIDED WITH A PRE-FABRICATED INSULATION KIT HAVING A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPED INDEX OF NOT MORE THAN 450 (CLASS A MATERIAL) WHEN TESTED IN ACCORDANCE WITH ASTM E-84. 8.01 IDENTIFICATION A. EQUIPMENT: ENGRAVED, COLOR-CODED LAMINATED PLASTIC. 1. SIZE: 4-1/2" HIGH, WITH 1" TALL LETTERING. 2. TERMINOLOGY: MATCH SPECIFICATIONS AS CLOSELY AS POSSIBLE. 3. EQUIPMENT: ALL MAJOR PLUMBING EQUIPMENT (WATER HEATERS, STORAGE TANKS, ETC.) SHALL BE TAGGED. B. PIPING: 1. INTERIOR INSTALLED PIPING: STENCILED MARKERS, SHOWING SERVICE AND DIRECTION OF FLOW ON ALL PIPE MAINS. 2. LETTER SIZE: 1" HIGH LETTERS. 3. COLOR CODES: COMPLY WITH ASME A13.1, UNLESS OTHERWISE INDICATED. 4. LOCATIONS: LOCATE MARKERS AND COLOR BANDS WHERE PIPING IS EXPOSED IN FINISHED SPACES; MACHINE ROOMS; ACCESSIBLE MAINTENANCE SPACES SUCH AS SHAFTS, TUNNELS, AND PLENUMS; AND OWNER-APPROVED NON CONCEALED LOCATIONS. LOCATE MARKERS WHERE PIPES ENTER INTO CONCEALED SPACES AND AT A MAXIMUM INTERVALS OF 50 FEET IN EACH SPACE WHERE PIPES ARE EXPOSED OR CONCEALED BY REMOVABLE CEILING SYSTEM. C. PART 3 EXECUTION A. ALL EQUIPMENT INSTALLATION PROCEDURES SHALL BE BASED ON FUNDAMENTAL ENGINEERING AND CONSTRUCTION PRINCIPLES IN CONFORMANCE WITH ALL APPLICABLE CODES, STANDARDS AND ORDINANCES. B. THE PLUMBING CONTRACTOR SHALL INSTALL ALL PLUMBING EQUIPMENT IN CONFORMANCE WITH MANUFACTURER ISSUED INSTRUCTIONS AND RECOMMENDATIONS. C. THE PLUMBING CONTRACTOR SHALL NOT KNOWINGLY INSTALL WORK THAT IS IN ERROR. D. PROVIDE ONE (1) YEAR WARRANTY ON ALL LABOR AND MATERIALS UNLESS NOTED OTHERWISE. E. THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS AND FEES REQUIRED FOR HIS WORK. F. THE PLUMBING CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS OF HIS COMPLETED WORK. G. THE SYSTEMS REPRESENTED IN THESE CONTRACT DOCUMENTS HAVE THE INTENT OF PROVIDING ENERGY-EFFICIENT, SAFETY AND COMFORT FOR THE PROPOSED FACILITY. H. THE PLUMBING CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES ON THE PROJECT. I. ALL MATERIALS AND EQUIPMENT INSTALLED SHALL FULLY COMPLY WITH THE SAFE DRINKING WATER ACT OF 1974, INCLUDING PUBLIC LAW 111-380, COMMONLY REFERRED TO AS THE "NO LEAD LAW". J. PROCEDURES FOR FLUSHING AND DISINFECTION 1. PROCEDURES SHALL MEET THE REQUIREMENTS OF AWWA C651 AND C652 AS WELL AS ALL APPLICABLE LOCAL REGULATIONS. 2. DISINFECTION AND FLUSHING SHALL BE COMPLETED WITHIN THREE WEEKS PRIOR TO WHOLE OR PARTIAL BENEFICIAL OCCUPANCY. IF BENEFICIAL OCCUPANCY OF ANY PART OF THE BUILDING IS DELAYED MORE THAN TWO WEEKS BUT LESS THAN FOUR WEEKS AFTER DISINFECTION, FLUSHING OF ALL FIXTURES SHALL AGAIN BE COMPLETED. IF BENEFICIAL OCCUPANCY OF ANY PART OF THE BUILDING IS DELAYED FOUR WEEKS OR MORE AFTER DISINFECTION, THE NEED FOR DISINFECTION AND FLUSHING SHALL BE DETERMINED BY A RISK ASSESSMENT CONDUCTED BY THE WATER PROGRAM TEAM / OWNER. 3. CONFIRMATION THAT THE BUILDING WATER SYSTEM PERFORMANCE MEETS DESIGN PERFORMANCE PARAMETERS INDICATED IN THE CONTRACT DOCUMENTS. K. COORDINATE ALL PIPING TO AVOID REQUIRED OVERHEAD CLEARANCES PERTAINING TO ELECTRICAL PANELS AND EQUIPMENT. L. ALL UNDERGROUND OUTDOOR DOMESTIC WATER PIPING SHALL BE BURIED A MINIMUM 60" TOP OF PIPE BELOW GRADE AND ALL UNDERGROUND OUTDOOR SANITARY DRAINAGE PIPING SHALL BE BURIED A MINIMUM 42" TOP OF PIPE BELOW GRADE. PIPING SHALL BE SUPPORTED AT THE FOLLOWING MAXIMUM INTERVAL SPACING: MATERIAL HORIZONTAL (FT.) VERTICAL (FT.) CAST IRON 5 15 CAST IRON (10 FT. LENGTHS) 10 15 CPVC (1" AND SMALLER) 4 10 CPVC (1-1/4" AND LARGER) 4 10 COPPER PIPE 12 10 PEX 2,67 10 PVC 4 10

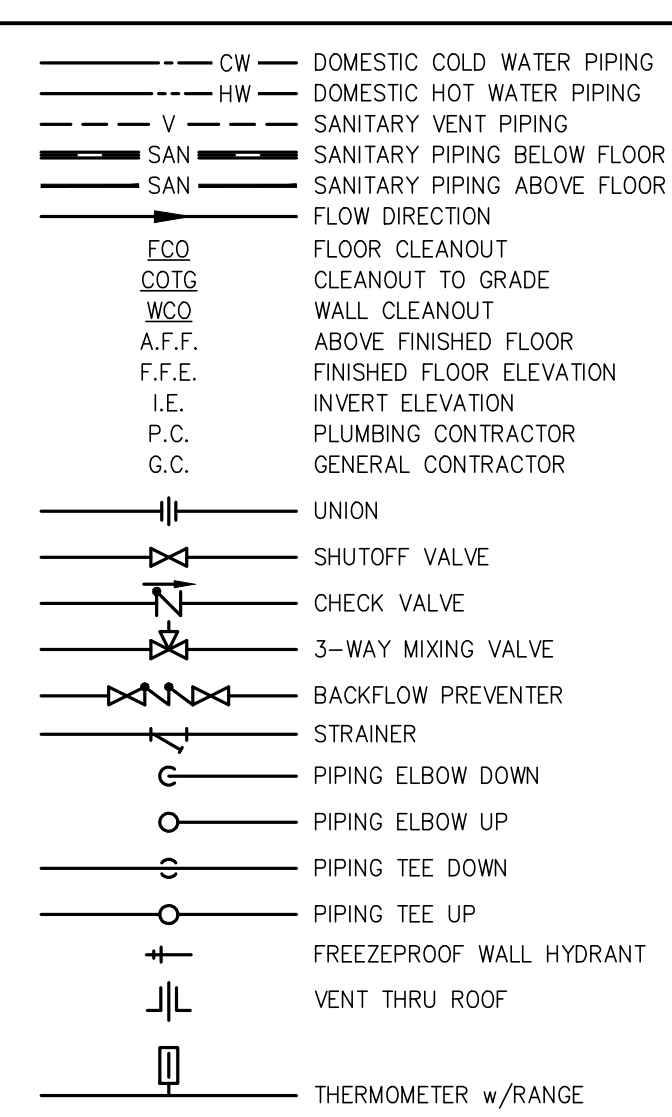
PLUMBING FIXTURE SCHEDULE

Table with columns: DESCRIPTION, SYMBOL, CW, HW, WASTE, VENT, SPECIFICATIONS. Rows include WATER CLOSET FLOOR SET-FLUSH VALVE ADA, LAVATORY-WALL HUNG ADA, MOP SINK, DRINKING FOUNTAIN WITH BOTTLE FILLER ADA, WALL HYDRANT FREEZE PROOF, FLOOR DRAIN, FLOOR CLEANOUT, CLEANOUT TO GRADE.



Project Information: Energy Code: 90.1 (2010) Standard; Project Title: Fostoria Splashpad and Restroom; Location: Fostoria, Ohio; Project Type: New Construction. Designer/Contractor: Michael White Kleinfelder 415 Conant Street Maumee, OH 43537 (419) 891-0022 mwhite@kleinfelder.com. Mechanical Systems List: 1 Water Heater DWH-1: Electric Storage Water Heater, Capacity: 20 gallons. Mechanical Compliance Statement: Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application.

PLUMBING LEGEND



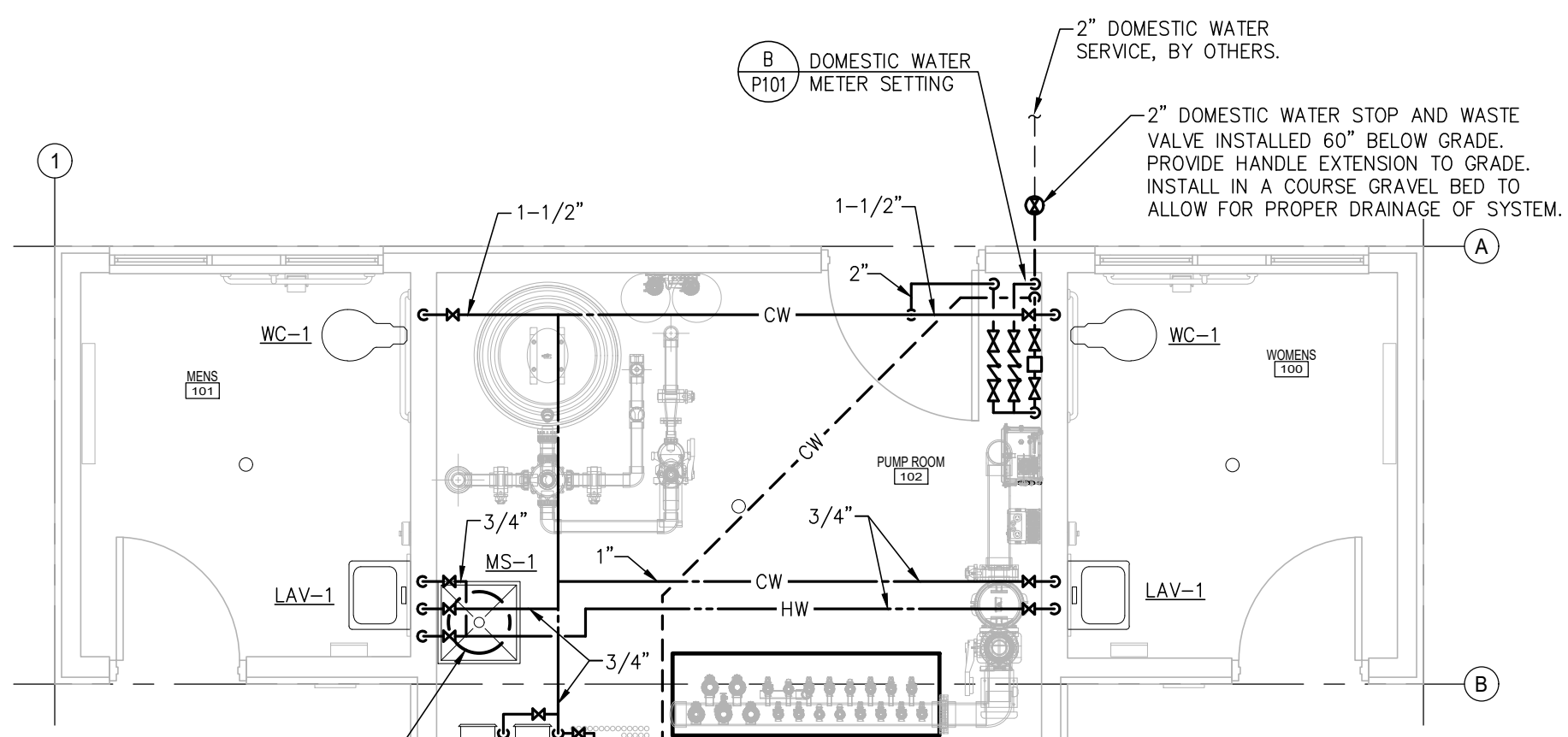
02/23/2024 ROBERT T. BRANNAN E-54100 PROFESSIONAL ENGINEER

Table with columns: AS INDICATED, Scale, Date, Job No., Designed by, Drawn by, Checked by, Approved by, Status, No., Description, REVISIONS.

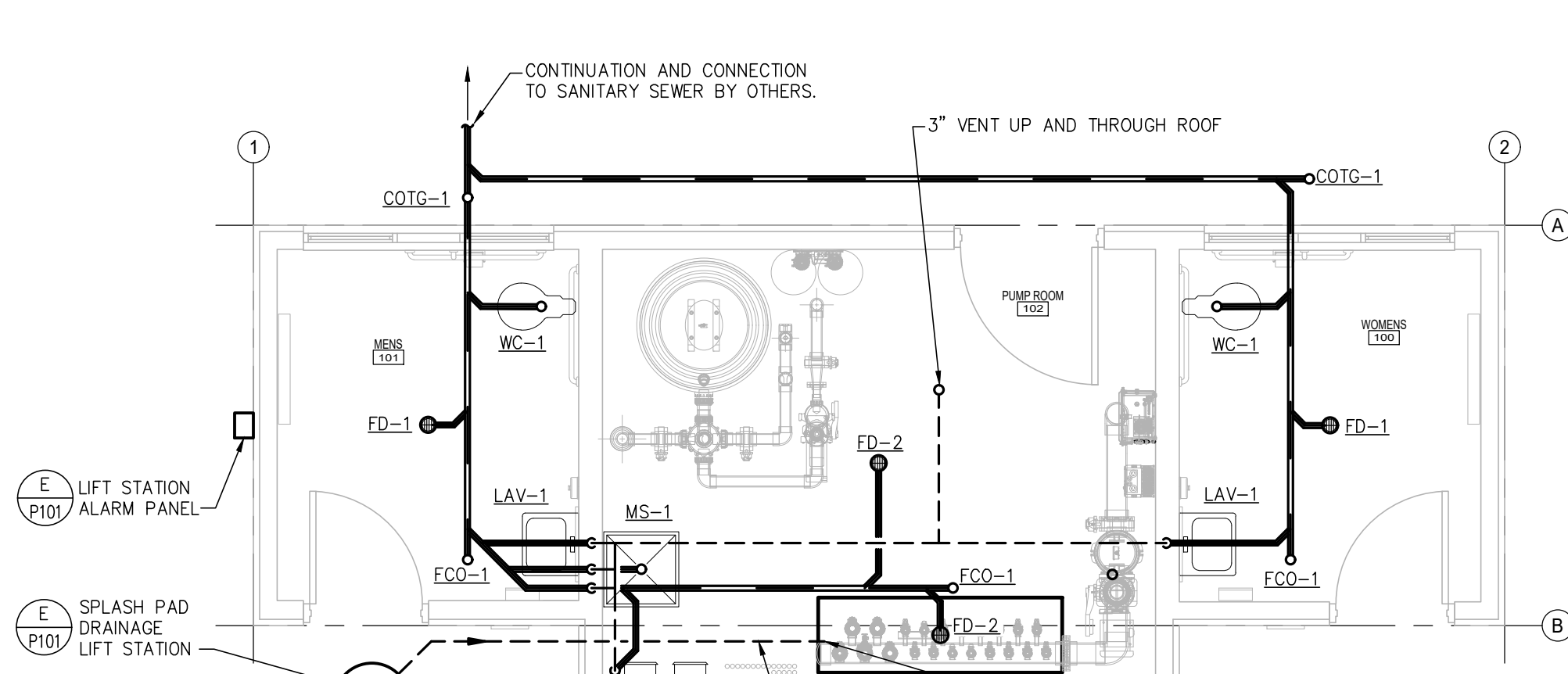
CITY OF FOSTORIA FOSTORIA SPLASH PAD RESTROOM ADDITIONS PLUMBING SPECIFICATIONS

Table with columns: DWG NO., TITLE, FILE NO. Rows include P001 PLUMBING SPECIFICATIONS, P101 PLUMBING PLANS AND DETAILS, P201 OVERALL SPLASH PAD ISOMETRIC, etc.

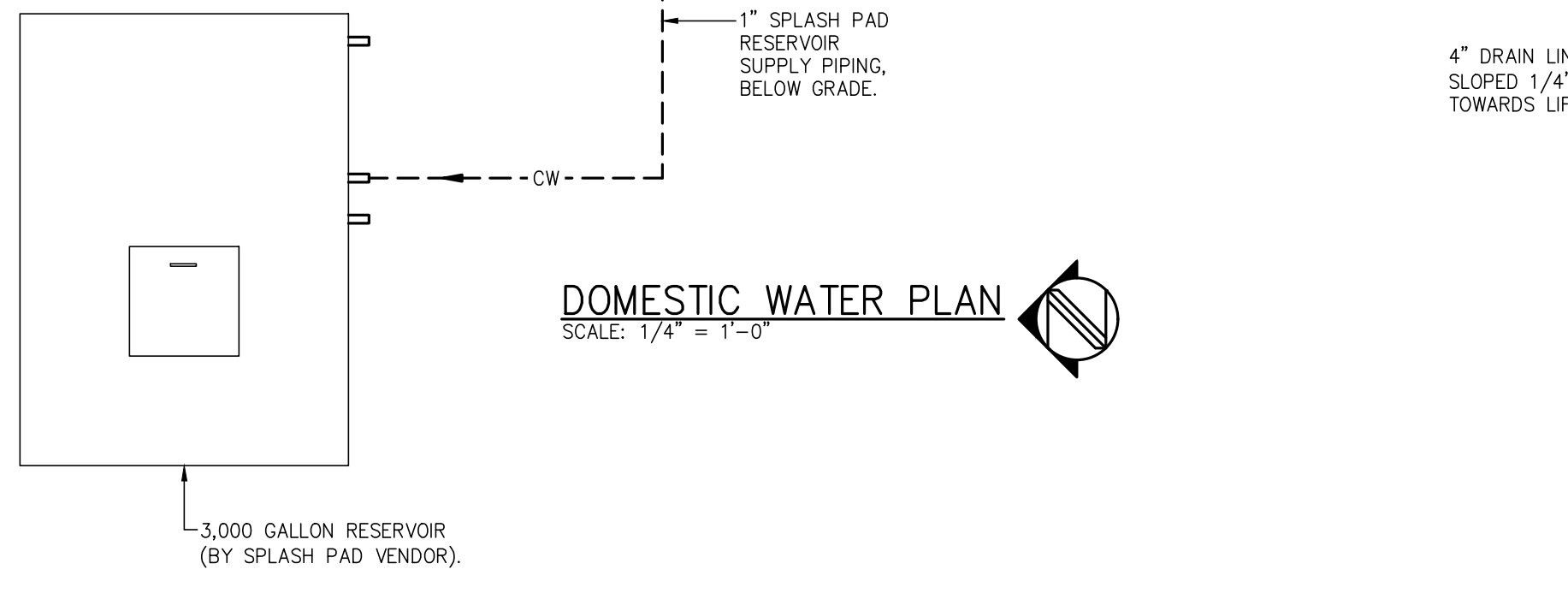
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DOMESTIC WATER PLAN
SCALE: 1/4" = 1'-0"



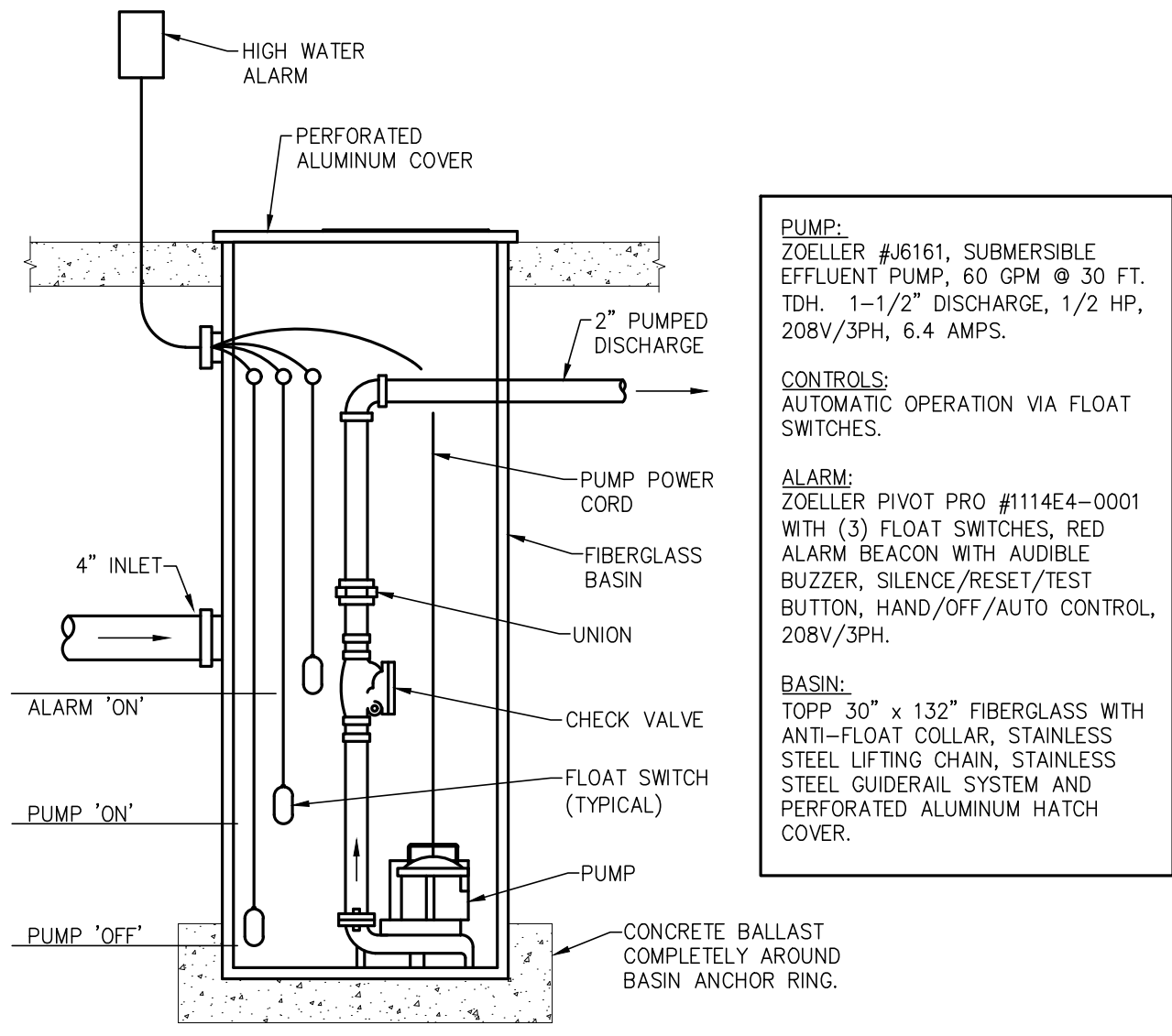
SANITARY DWV PLAN
SCALE: 1/4" = 1'-0"



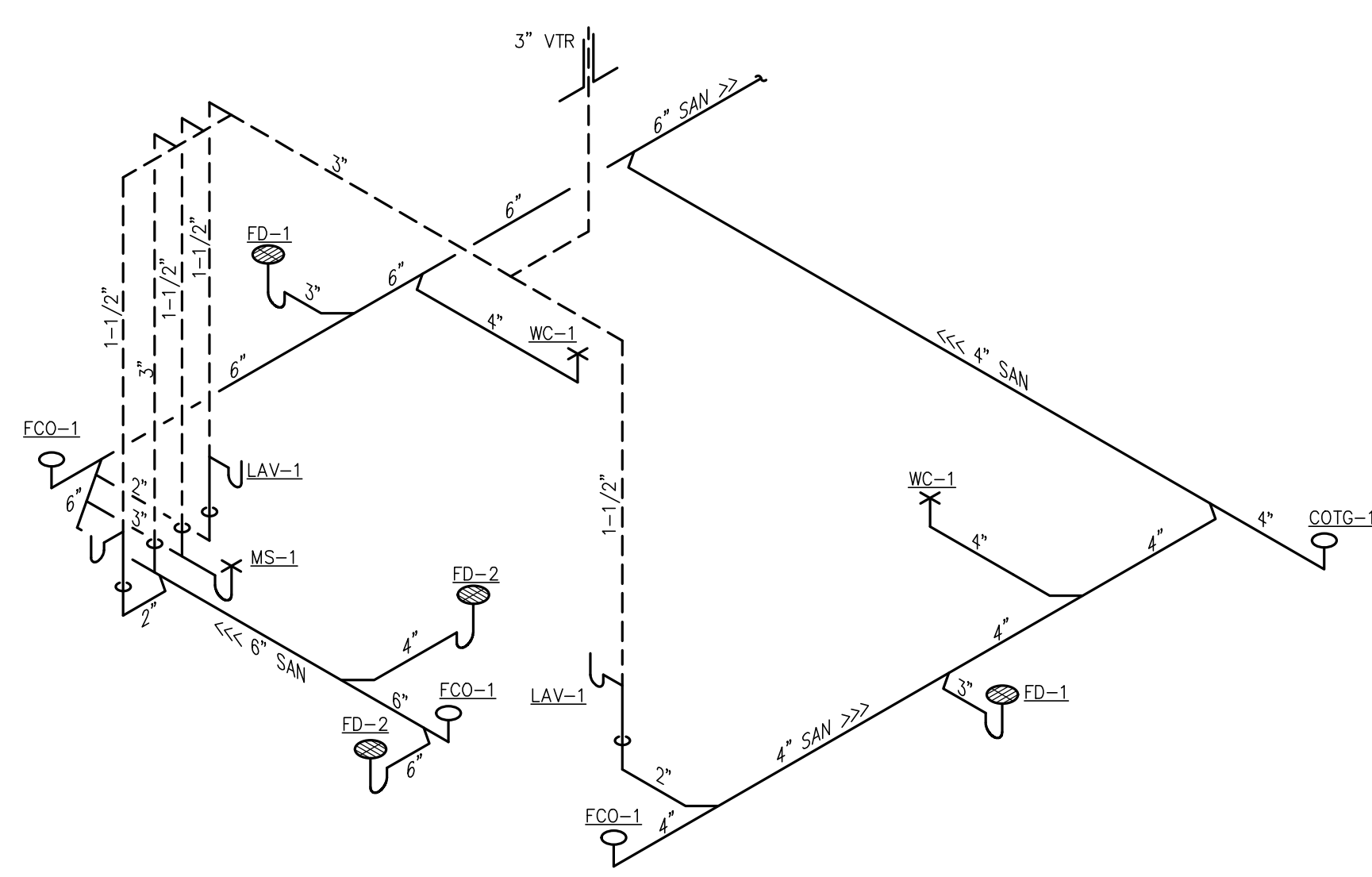
BEDDING FOR METALLIC PIPE
BEDDING FOR PLASTIC PIPE

- NOTES:**
- BURIED PIPING SHALL BE SUPPORTED THROUGHOUT ITS ENTIRE LENGTH. IF BELL OR HUB PIPE IS INSTALLED, THE BOTTOM OF THE TRENCH MUST BE DUG OUT AROUND THE HUB TO MAINTAIN CONTINUOUS SUPPORT OF THE PIPE.
 - WHERE TRENCHES ARE EXCAVATED SUCH THAT THE BOTTOM OF THE TRENCH FORMS THE BED FOR THE PIPE, SOLID AND CONTINUOUS LOAD-BEARING SUPPORT SHALL BE PROVIDED BETWEEN JOINTS, BELL HOLES, HUB HOLES AND COUPLING HOLES SHALL BE PROVIDED AT POINTS WHERE THE PIPE IS JOINED. SUCH PIPE SHALL NOT BE SUPPORTED ON BLOCKS TO GRADE. IN INSTANCES WHERE THE MATERIALS MANUFACTURER'S INSTALLATION INSTRUCTIONS ARE MORE RESTRICTIVE THAN THOSE PRESCRIBED BY THE CODE, THE MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH THE MORE RESTRICTIVE REQUIREMENT.
 - WHERE TRENCHES ARE EXCAVATED BELOW THE INSTALLATION LEVEL OF THE PIPE SUCH THAT THE BOTTOM OF THE TRENCH DOES NOT FORM THE BED FOR THE PIPE, THE TRENCH SHALL BE BACKFILLED TO THE INSTALLATION LEVEL OF THE BOTTOM OF THE PIPE WITH SAND OR FINE GRAVEL PLACED IN LAYERS NOT GREATER THAN 6 INCHES IN DEPTH AND SUCH BACKFILL SHALL BE COMPACTED AFTER EACH PLACEMENT.
 - WHERE ROCK IS ENCOUNTERED IN TRENCHING, THE ROCK SHALL BE REMOVED TO NOT LESS THAN 3 INCHES BELOW THE INSTALLATION LEVEL OF THE BOTTOM OF THE PIPE, AND THE TRENCH SHALL BE BACKFILLED TO THE INSTALLATION LEVEL OF THE BOTTOM OF THE PIPE WITH SAND TAMPED IN PLACE SO AS TO PROVIDE UNIFORM LOAD-BEARING SUPPORT FOR THE PIPE BETWEEN JOINTS. THE PIPE, INCLUDING THE JOINTS, SHALL NOT REST ON ROCK AT ANY POINT.
 - IF SOFT MATERIALS OF POOR LOAD-BEARING QUALITY ARE FOUND AT THE BOTTOM OF THE TRENCH, STABILIZATION SHALL BE ACHIEVED BY OVER-EXCAVATING NOT LESS THAN TWO PIPE DIAMETERS AND BACKFILLING TO THE INSTALLATION LEVEL OF THE BOTTOM OF THE PIPE WITH FINE GRAVEL, CRUSHED STONE OR A CONCRETE FOUNDATION. THE CONCRETE FOUNDATION SHALL BE BEDDED WITH SAND TAMPED INTO PLACE SO AS TO PROVIDE UNIFORM LOAD-BEARING SUPPORT FOR THE PIPE BETWEEN JOINTS.
 - BACKFILL SHALL BE FREE FROM DISCARDED CONSTRUCTION MATERIAL AND DEBRIS. LOOSE EARTH FREE FROM ROCKS, BROKEN CONCRETE AND FROZEN CHUNKS SHALL BE PLACED IN THE TRENCH IN 6-INCH LAYERS AND TAMPED IN PLACE UNTIL THE CROWN OF THE PIPE IS COVERED BY 12 INCHES OF TAMPED EARTH. THE BACKFILL UNDER AND BESIDE THE PIPE SHALL BE COMPACTED FOR PIPE SUPPORT. BACKFILL SHALL BE BROUGHT UP EVENLY ON BOTH SIDES OF THE PIPE SO THAT THE PIPE REMAINS ALIGNED. IN INSTANCES WHERE THE MANUFACTURER'S INSTRUCTIONS FOR MATERIALS ARE MORE RESTRICTIVE THAN THOSE PRESCRIBED BY THE CODE, THE MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH THE MORE RESTRICTIVE REQUIREMENT.

D BURIED PIPE BEDDING DETAIL
NO SCALE

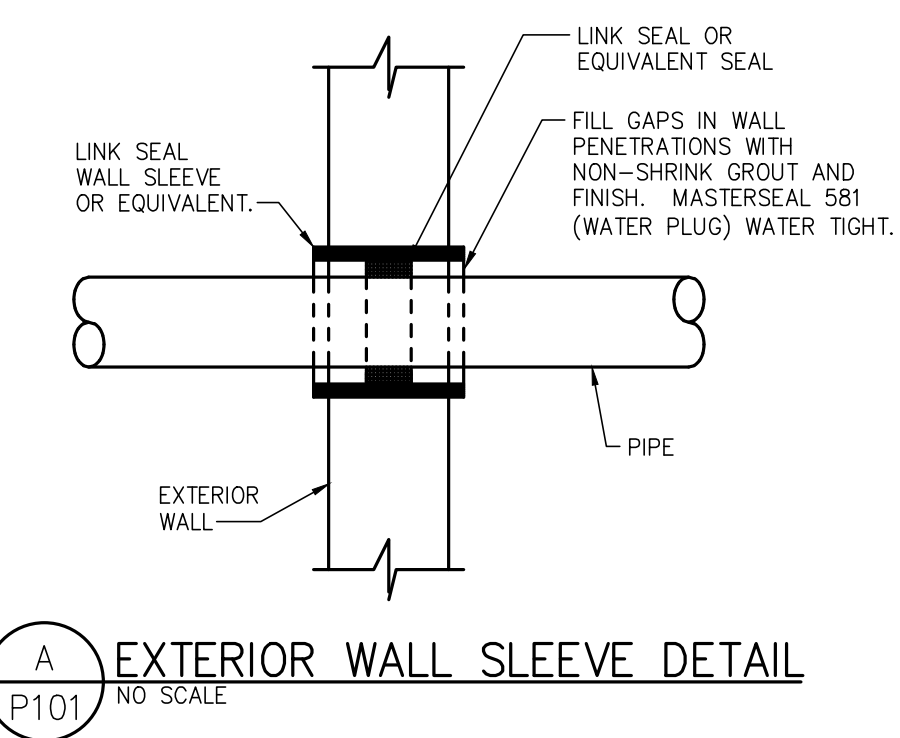


E SIMPLEX LIFT STATION
NO SCALE

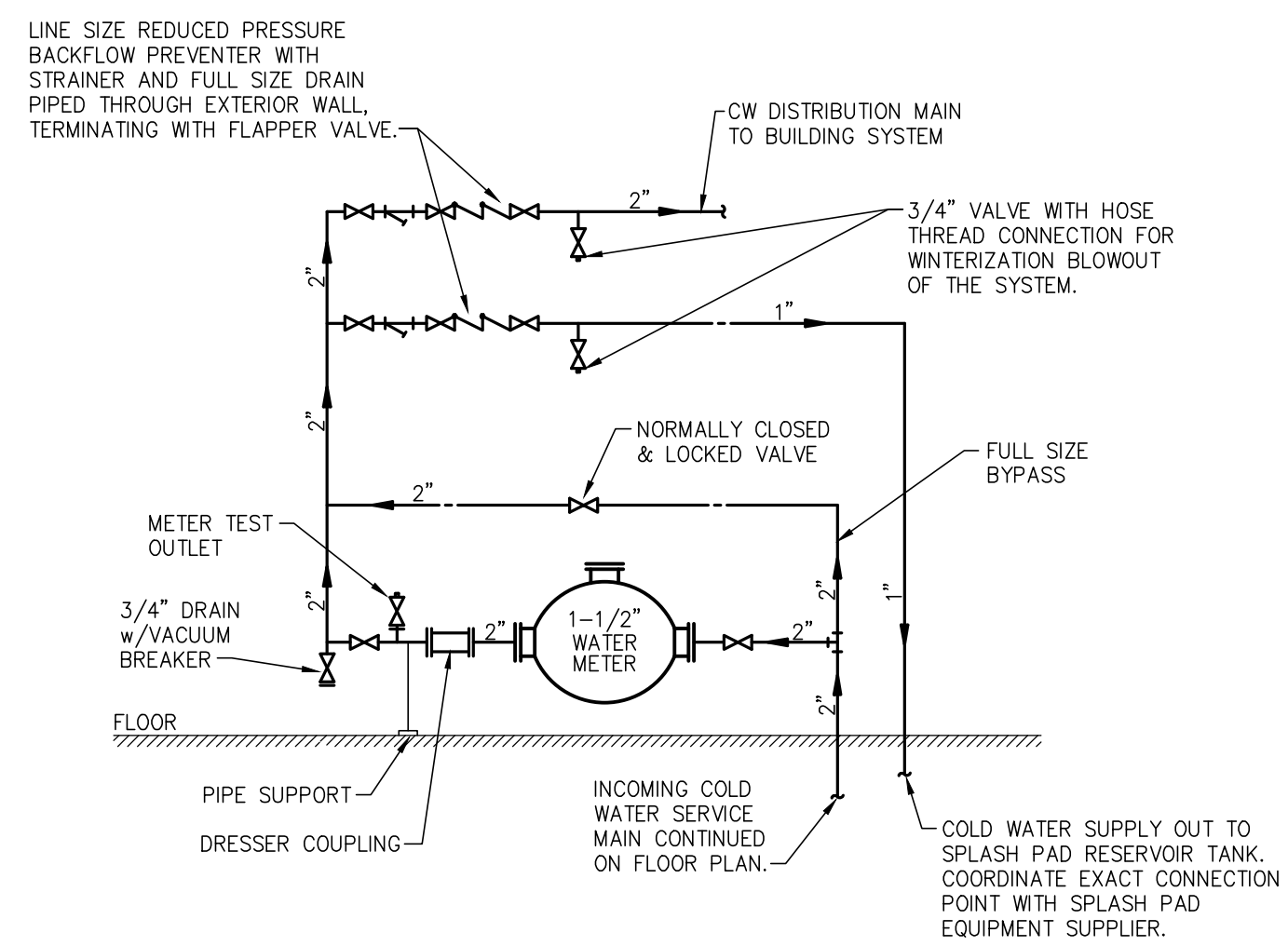


SANITARY DWV ISOMETRIC
SCALE: NO SCALE

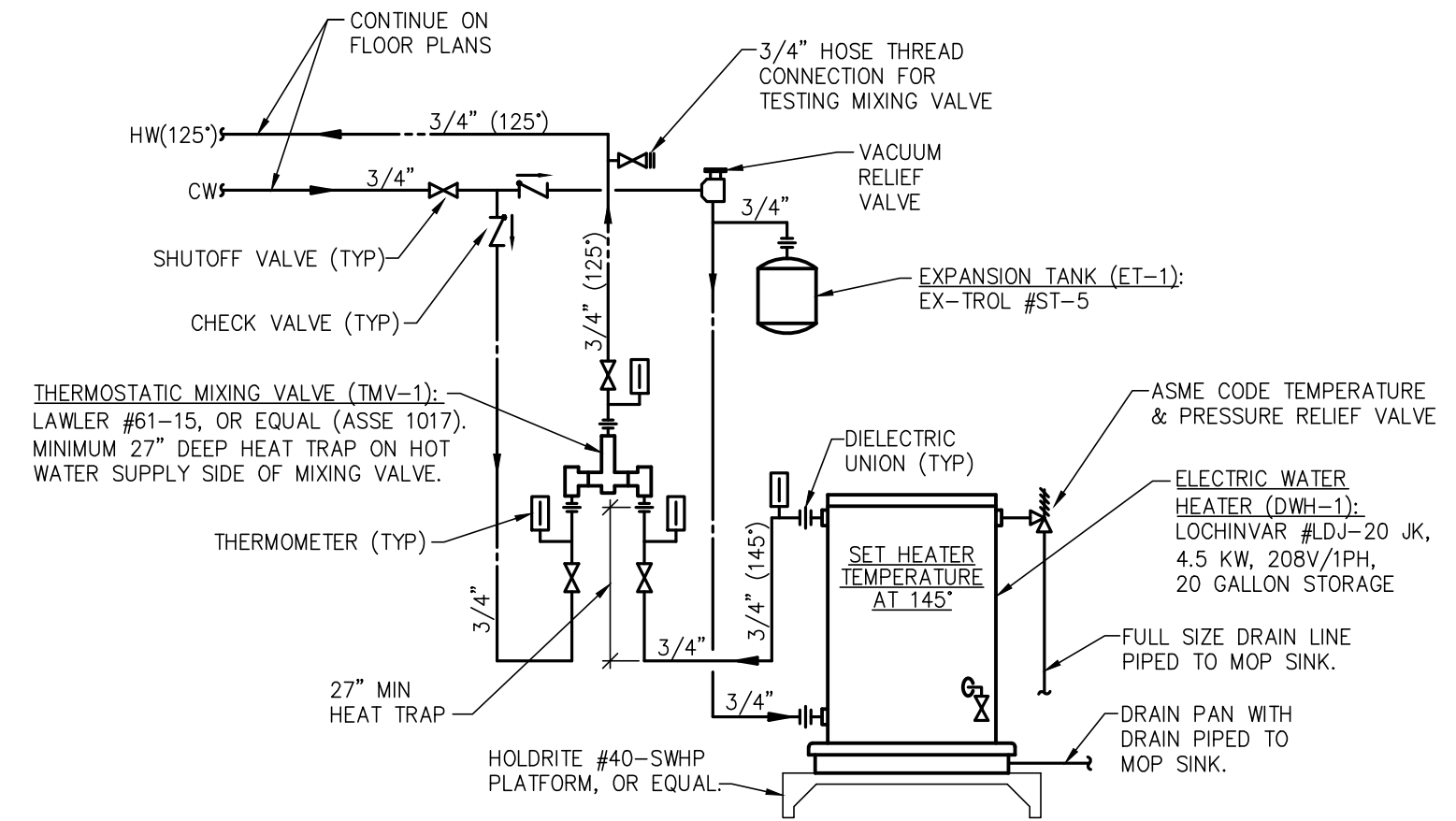
- SPLASH PAD FEATURE AND EQUIPMENT ROOM SUPPLY AND RETURN PIPING.**
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL SUPPLY AND RETURN WATER PIPING SERVING THE SPLASH PAD FEATURES AND ALL SUPPLY AND RETURN WATER PIPING SERVING THE ASSOCIATED EQUIPMENT ON THE SITE AND IN THE PUMP ROOM.
 - REFER TO THE 200 SERIES DRAWINGS IN THIS SET FOR THE SPLASH PAD SUPPLY AND RETURN WATER PIPING LAYOUTS AND SIZING. SUPPLY AND RETURN WATER PIPING THAT IS INDICATED TO BE "BY OTHERS" SHALL BE PROVIDED BY THIS CONTRACTOR. THE SPLASH PAD VENDOR WILL BE RESPONSIBLE FOR PROVIDING ALL FEATURES AND ASSOCIATED WATER SYSTEM EQUIPMENT.



A EXTERIOR WALL SLEEVE DETAIL
NO SCALE



B WATER METER PIPING DETAIL
NO SCALE



C ELECTRIC DOMESTIC WATER HEATER DETAIL
NO SCALE

- GENERAL NOTES:**
- DOMESTIC WATER FIXTURE SUPPLY PIPING, SIZED AS NOTED ON THE DRAWINGS, SHALL EXTEND UNDIMINISHED IN SIZE TO WITHIN 30" FROM THE POINT OF CONNECTION TO THE PLUMBING FIXTURE.
 - EXTEND INDIVIDUAL DOMESTIC WATER DISTRIBUTION LINES TO FIXTURES AS REQUIRED. LINES SHALL BE SIZED AS INDICATED IN THE PLUMBING FIXTURE SCHEDULE.
 - INSTALL SHUT-OFF VALVES AT ALL DOMESTIC WATER FIXTURE SUPPLY CONNECTIONS.
 - PLUMBING VENTS AND FLUES SHALL BE LOCATED A MINIMUM OF 10'-0" FROM ANY FRESH AIR INTAKE. COORDINATE VENT AND FLUE LOCATIONS WITH MECHANICAL CONTRACTOR.
 - PIPE PENETRATIONS THRU ALL FIRE RATED WALLS SHALL BE SEALED BY THE PLUMBING CONTRACTOR, TO PREVENT SPREAD OF FIRE AND SMOKE AND INGRESS OF MOISTURE.
 - PROVIDE ALL HANGERS, SUPPORTS AND MISCELLANEOUS STEEL REQUIRED FOR THE PROPER INSTALLATION OF ALL PIPING AND EQUIPMENT.
 - COORDINATE PIPING AND EQUIPMENT LOCATIONS WITH ALL OTHER TRADES.
 - MAINTAIN REQUIRED MANUFACTURERS' CLEARANCES ON ALL EQUIPMENT.
 - CONTRACTOR SHALL VERIFY CLEARANCES ABOVE CEILING PRIOR TO INITIATING CONSTRUCTION. COORDINATE EXACT LOCATION OF PIPING WITH ELECTRICAL, MECHANICAL AND GENERAL CONTRACTORS.

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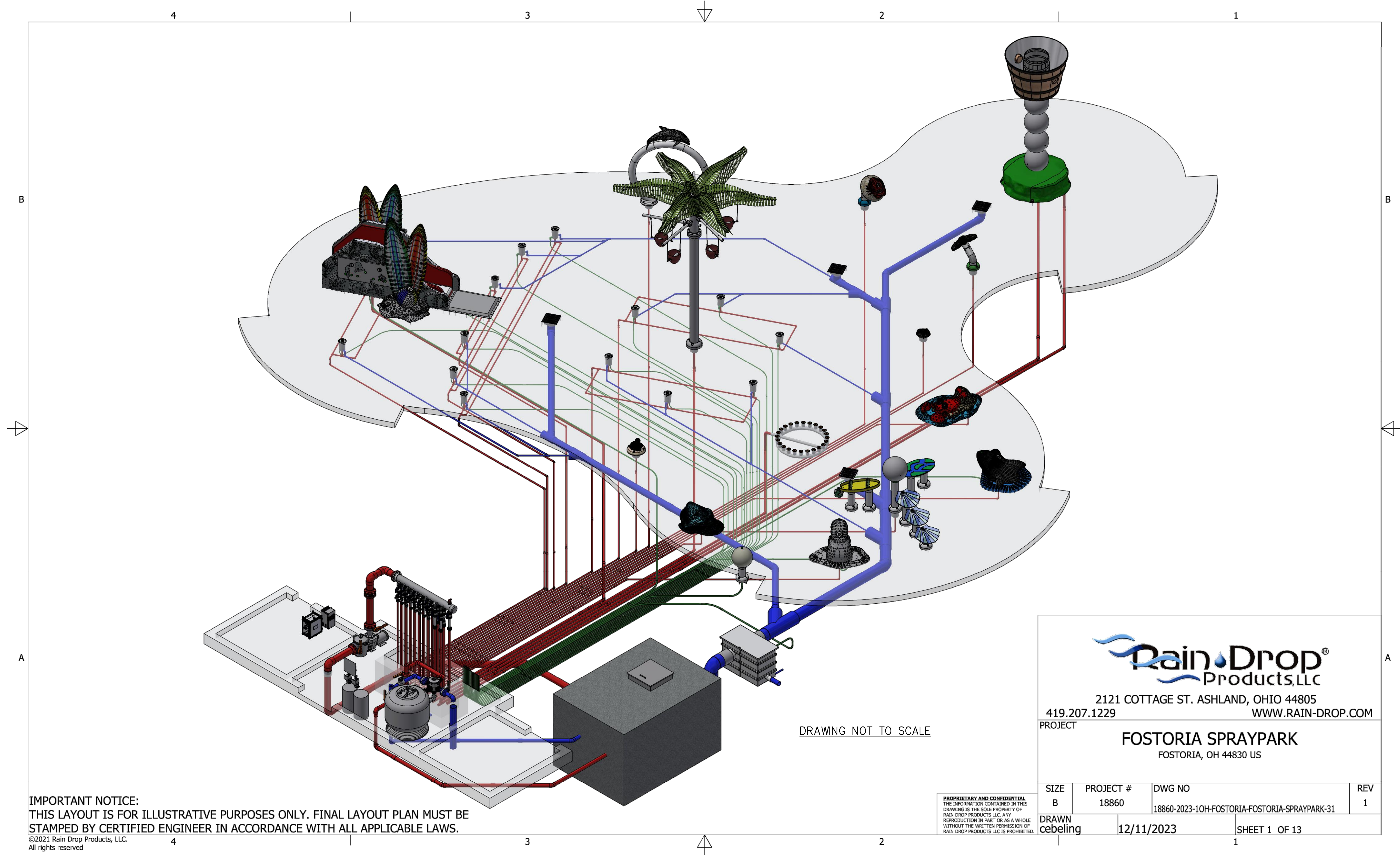


Date	02/23/2024
Issued for Bidding	03/01/2024
Issued for Building Permits	02/23/2024
Issued for Construction	02/12/2024
Issued for ODR Review	02/05/2024

Scale	AS INDICATED
Date	2/20/2024
Job No.	24001561
Designed by	MPW
Drawn by	WNR
Checked by	MPW
Approved by	No.
Status	REVISIONS

CITY OF FOSTORIA
FOSTORIA SPLASH PAD RESTROOM ADDITIONS
 PLUMBING PLAN
P101

THE SPLASH PAD SYSTEM IS A DELEGATED DESIGN. THIS DRAWING IS INCLUDED FOR REFERENCE ONLY, SUCH THAT THE PLUMBING CONTRACTOR CAN FORMULATE A PRICE FOR BIDDING TO PROVIDE THE SPLASH PAD SUPPLY AND RETURN WATER AND DRAIN PIPING. THE FINAL SPLASH PAD SYSTEM DESIGN AND SEALED ENGINEERING DRAWINGS SHALL BE PROVIDED AT A LATER DATE BY THE CONTRACTED SPLASH PAD VENDOR. THIS CONTRACTOR SHALL COORDINATE PIPING WITH FINAL DESIGN ONCE IT HAS BEEN MADE AVAILABLE.



DRAWING NOT TO SCALE



2121 COTTAGE ST. ASHLAND, OHIO 44805
419.207.1229 WWW.RAIN-DROP.COM

PROJECT
FOSTORIA SPRAYPARK
FOSTORIA, OH 44830 US

SIZE B	PROJECT # 18860	DWG NO 18860-2023-10H-FOSTORIA-FOSTORIA-SPRAYPARK-31	REV 1
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DRAWN cebeling	12/11/2023	SHEET 1 OF 13	1
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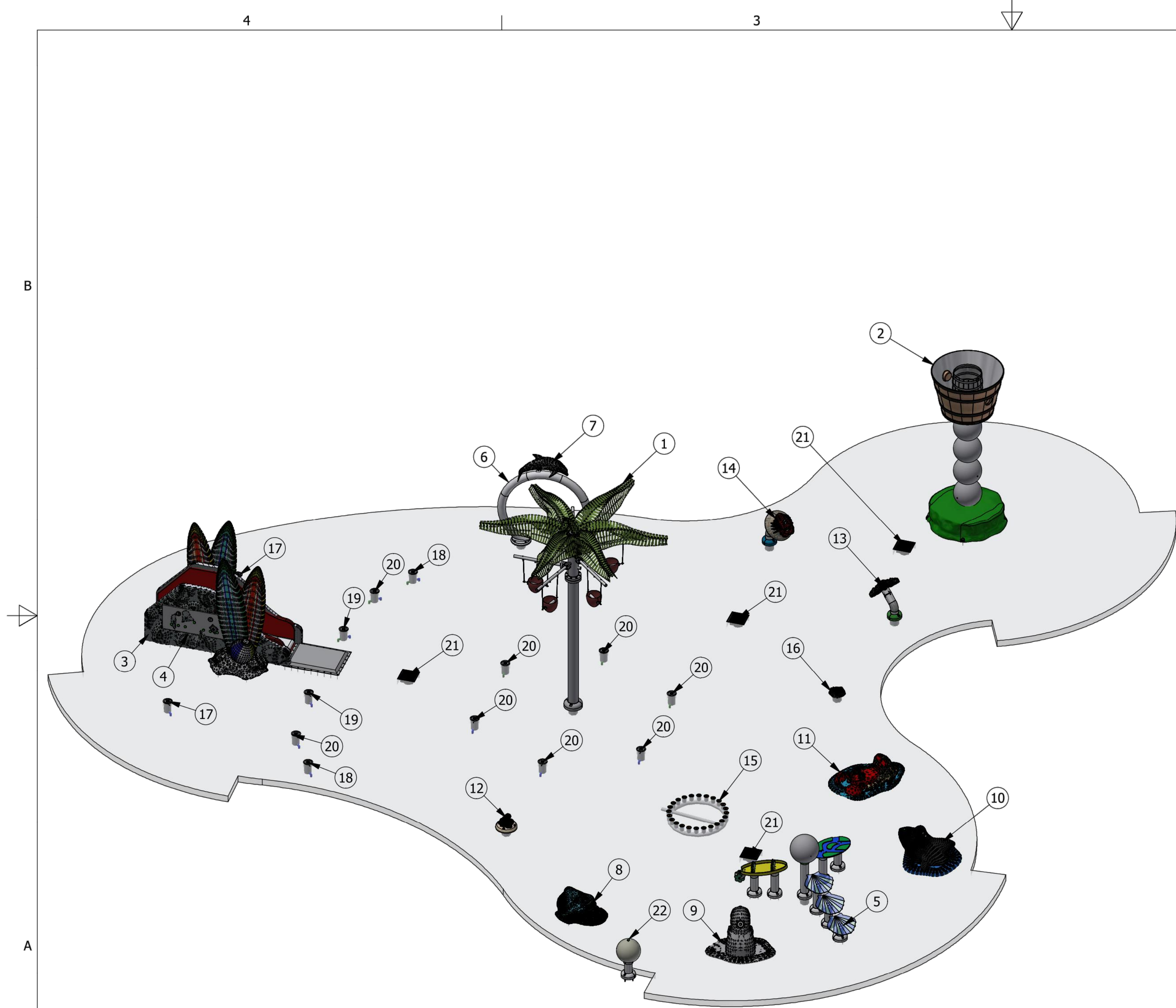
Scale AS INDICATED	Job No. 24001561	Date	
Designed by RAIN DROP	Drawn by RAIN DROP	Checked by RAIN DROP	Approved by
Status	No.	Date	Description
	4	03/07/2024	ISSUED FOR BIDDING
	3	02/23/2024	ISSUED FOR BUILDING PERMITS
	2	07/16/2024	ISSUED FOR CONSTRUCTION
	1	07/16/2024	ISSUED FOR CONTRACT
REVISIONS			

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CITY OF FOSTORIA
**FOSTORIA SPLASH PAD
 RESTROOM ADDITIONS**
 OVERALL SPLASH PAD ISOMETRIC

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PARTS LIST				
ITEM	QTY	PART NUMBER	DESCRIPTION	GPM
1	1	TBKC-002-OM	TUMBLE BUCKET PALM W/ COCONUTS X5, OMNI	75.8
2	1	RADB-001-OM	RADIAL DUMP BUCKET W/ BEACH BALLS	62.1
3	1	SRFS-001-OM	AQUA RUN SURF BOARD SINGLE, OMNI	26.2
4	1	BOP-A-DROP ADDON	BOP-A-DROP ADDON	3.8
5	1	RDPC-016-OM	RAIN DROP PLAY CENTER, TROPICAL, OMNI	15.5
6	1	AQHP-004-OM	AQUA HOOP, OMNI	16.8
7	1	DLPT-001	DOLPHIN TOPPER	N/A
8	1	CFSR-001-OM	CREATURE FEATURE STINGRAY, OMNI	15.2
9	1	CFMT-001-ACT-OM	CREATURE FEATURE, MOLLY MANATEE, OMNI, W/ ACTIVATOR	6.3
10	1	CFSK-001-ACT-OM	CREATURE FEATURE AQUA SHARK, INCLUSIVE, OMNI	16.8
11	1	CFLB-001-OM	CREATURE FEATURE LARRY THE LOBSTER, OMNI	16.8
12	1	CFBO-001-OM	BABY INKY, OMNI	4.3
13	1	SPSF-001-OM	SPINNING STARFISH, OMNI	1.7
14	1	SPCR-001-OM	SPINNING CRAB OMNI	3.8
15	1	CIRT-005	CIRCLE TIME, 24 OUTLET	40.4
16	1	CFBS-001-OM	CREATURE FEATURE BABY STARRY, OMNI	18.9
17	2	RDPJ-LED-UPJT-001	LED LIGHT W/ UPSTREAM JET NOZZLE	3.8
18	2	RDPJ-LED-SFJT-001	LED LIGHT W/ SLANT FINGER JET	10.1
19	2	RDPJ-LED-TLJT-001	LED LIGHT W/ MINI TOULIP JET	4.9
20	8	RDPJ-LED-SLJT-001	LED LIGHT W/ SLANT JET NOZZLE	3.8
21	4	DRN12-006B	12" DRAIN	135
22	1	BOL-BCBL-010	BASEBALL TOUCH ACTIVATOR	N/A

MAXIMUM INTENDED FLOW - 392.5 GPM

PLEASE NOTE:
ALL STAINLESS STEEL FEATURES TO BE GROUNDED AND BONDED PER LOCAL CODE AND REGULATIONS.
NOTES -
1 - THIS DESIGN IS PREPARED FOR REVIEW PURPOSES AND IS NOT INTENDED FOR USE AS A CONSTRUCTION DOCUMENT.
2 - WATERPLAY CONCRETE PAD DIMENSIONS AND ORIENTATION ARE TO BE USED AS A REFERENCE. THEY MAY BE ALTERED TO ACCOMODATE EXISTING FIELD CONDITIONS.
3 - CONSTRUCTION SHALL CONFORM TO THE MOST RECENT STATE DEPARTMENT OF HEALTH STANDARDS AND SPECIFICATIONS.
4 - LOCAL SUPPLEMENTAL CODES AND SPECIFICATIONS TAKE PRECEDENCE OVER THOSE PROVIDED IN THIS DOCUMENT.
5 - CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL CONSTRUCTION MATERIAL AND LABOR REQUIRED TO PROPERLY INSTALL WATER FEATURES AND EQUIPMENT.
6 - AN APPROVED SET OF CONSTRUCTION PLANS SHALL BE MADE AVAILABLE ON THE JOBSITE AT ALL TIMES.

Rain Drop
Products, LLC

2121 COTTAGE ST. ASHLAND, OHIO 44805
419.207.1229 WWW.RAIN-DROP.COM

PROJECT
FOSTORIA SPRAYPARK
FOSTORIA, OH 44830 US

SIZE	PROJECT #	DWG NO	REV
B	18860	18860-2023-1OH-FOSTORIA-FOSTORIA-SPRAYPARK-31	1
DRAWN	DATE	SHEET 2 OF 13	
cebeling	12/11/2023		

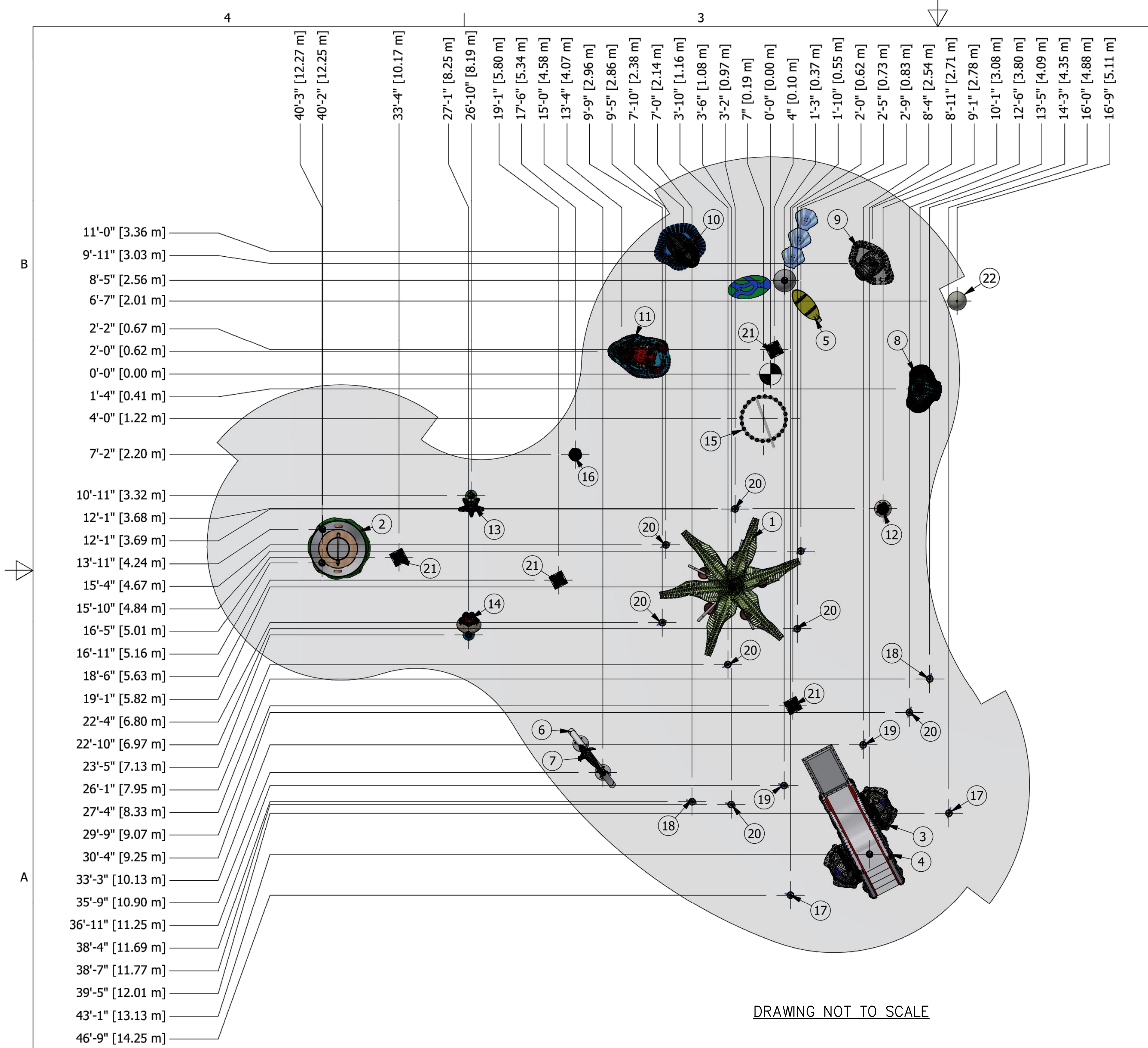
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Scale	Date	Job No.	AS INDICATED	No.	Description	REV/ISIONS
		24001561		1	ISSUED FOR BIDDING	03/01/2024
				2	ISSUED FOR BUILDING PERMITS	02/27/2024
				3	ISSUED FOR CONSTRUCTION	02/12/2024
				4	ISSUED FOR CONR REVIEW	02/05/2024

CITY OF FOSTORIA
FOSTORIA SPLASH PAD
RESTROOM ADDITIONS
SPLASH PAD FEATURE IDENTIFICATION

THE SPLASH PAD SYSTEM IS A DELEGATED DESIGN. THIS DRAWING IS INCLUDED FOR REFERENCE ONLY, SUCH THAT THE PLUMBING CONTRACTOR CAN FORMULATE A PRICE FOR BIDDING TO PROVIDE THE SPLASH PAD SUPPLY AND RETURN WATER AND DRAIN PIPING. THE FINAL SPLASH PAD SYSTEM DESIGN AND SEALED ENGINEERING DRAWINGS SHALL BE PROVIDED AT A LATER DATE BY THE CONTRACTED SPLASH PAD VENDOR. THIS CONTRACTOR SHALL COORDINATE PIPING WITH FINAL DESIGN ONCE IT HAS BEEN MADE AVAILABLE.



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
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5	1	RDPC-016-OM	RAIN DROP PLAY CENTER, TROPICAL, OMNI
6	1	AQHP-004-OM	AQUA HOOP, OMNI
7	1	DLPT-001	DOLPHIN TOPPER
8	1	CFSR-001-OM	CREATURE FEATURE STINGRAY, OMNI
9	1	CFMT-001-ACT-OM	CREATURE FEATURE, MOLLY MANATEE, OMNI, W/ ACTIVATOR
10	1	CFSK-001-ACT-OM	CREATURE FEATURE AQUA SHARK, INCLUSIVE, OMNI
11	1	CFLB-001-OM	CREATURE FEATURE LARRY THE LOBSTER, OMNI
12	1	CFBO-001-OM	BABY INKY, OMNI
13	1	SPSF-001-OM	SPINNING STARFISH, OMNI
14	1	SPCR-001-OM	SPINNING CRAB OMNI
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21	4	DRN12-006B	12" DRAIN
22	1	BOL-BCBL-010	BASEBALL TOUCH ACTIVATOR

PLEASE NOTE:
ALL STAINLESS STEEL FEATURES TO BE GROUNDED AND BONDED PER LOCAL CODE AND REGULATIONS.
CONCRETE -
1 - WATERPLAY CONCRETE PAD DIMENSIONS AND ORIENTATION ARE TO BE USED AS A REFERENCE. THEY MAY BE ALTERED TO ACCOMMODATE EXISTING FIELD CONDITIONS.
2 - ALL CONCRETE SHALL BE 3500 PSI MINIMUM, 28 DAY COMPRESSIVE STRENGTH, WITH 6% AIR ENTRAPMENT.
3 - GRADE SHALL BE SLOPED 2% FROM THE WATERPLAY PAD PERIMETER TO THE MAIN DRAINS.
4 - A 5 FOOT OVERSPRAY BUFFER IS INCORPORATED BETWEEN THE WATERPLAY PAD PERIMETER AND THE INTENDED AREA OF INFLUENCE OF THE WATERPLAY FEATURES. THE BUFFER ZONE IS INCLUDED IN THE OVERALL DIMENSIONS OF THE WATERPLAY PAD.
5 - ALL REINFORCEMENT STEEL SHALL BE SUPPLIED AND PLACED IN ACCORDANCE WITH ACI 318, AND CRSI MSP-1.
6 - ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60.
7 - EACH WATER FEATURE SHALL BE LOCATED WITHIN A SINGLE PANEL OF CONCRETE, UNLESS OTHERWISE NOTED.
8 - OMNIPOD COVER MUST BE CAST FLUSH AND LEVEL WITH THE FINISHED CONCRETE SURFACE.
9 - SURFACE SPRAY NOZZLES SHALL BE CAST FLUSH AND LEVEL WITH THE FINISHED CONCRETE SURFACE.
10 - EARTHFORMS MAY BE USED UNDER THE WATERPLAY CONCRETE PAD.
11 - SPRAYGROUND AREA IS 2841.9 SQUARE FEET [264 SQUARE METERS]



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419.207.1229 WWW.RAIN-DROP.COM
PROJECT
FOSTORIA SPRAYPARK
FOSTORIA, OH 44830 US

SIZE	PROJECT #	DWG NO	REV
B	18860	18860-2023-10H-FOSTORIA-FOSTORIA-SPRAYPARK-31	1
DRAWN	DATE	SHEET 3 OF 13	
cebeling	12/11/2023	1	

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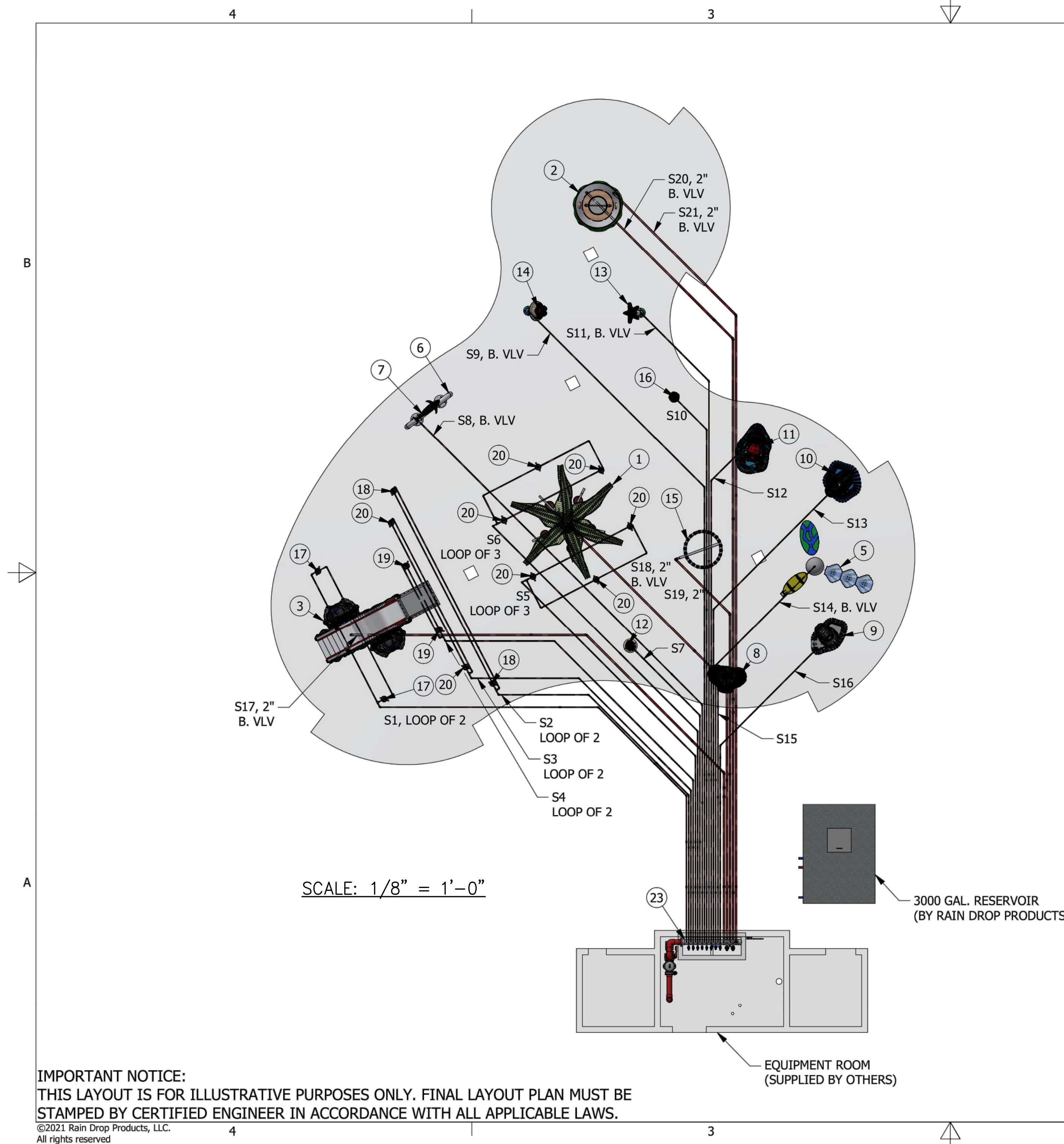
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AS INDICATED		REVISIONS	
Scale	Date	No.	Description
AS INDICATED	2/4/2024	4	ISSUED FOR BIDDING
AS INDICATED	03/01/2024	3	ISSUED FOR BUILDING PERMITS
AS INDICATED	02/23/2024	2	ISSUED FOR CONSTRUCTION
AS INDICATED	02/12/2024	1	ISSUED FOR OWNER REVIEW

CITY OF FOSTORIA
FOSTORIA SPLASH PAD RESTROOM ADDITIONS
SPLASH PAD FEATURE LOCATION DIMENSIONS

THE SPLASH PAD SYSTEM IS A DELEGATED DESIGN. THIS DRAWING IS INCLUDED FOR REFERENCE ONLY, SUCH THAT THE PLUMBING CONTRACTOR CAN FORMULATE A PRICE FOR BIDDING TO PROVIDE THE SPLASH PAD SUPPLY AND RETURN WATER AND DRAIN PIPING. THE FINAL SPLASH PAD SYSTEM DESIGN AND SEALED ENGINEERING DRAWINGS SHALL BE PROVIDED AT A LATER DATE BY THE CONTRACTED SPLASH PAD VENDOR. THIS CONTRACTOR SHALL COORDINATE PIPING WITH FINAL DESIGN ONCE IT HAS BEEN MADE AVAILABLE.

COORDINATE EXACT CONNECTION POINTS WITH RAIN DROP



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	TBKC-002-OM	TUMBLE BUCKET PALM W/ COCONUTS X5, OMNI
2	1	RADB-001-OM	RADIAL DUMP BUCKET W/ BEACH BALLS
3	1	SRFS-001-OM	AQUA RUN SURF BOARD SINGLE, OMNI
4	1	BOP-A-DROP ADDON	BOP-A-DROP ADDON
5	1	RDPC-016-OM	RAIN DROP PLAY CENTER, TROPICAL, OMNI
6	1	AQHP-004-OM	AQUA HOOP, OMNI
7	1	DLPT-001	DOLPHIN TOPPER
8	1	CFSR-001-OM	CREATURE FEATURE STINGRAY, OMNI
9	1	CFMT-001-ACT-OM	CREATURE FEATURE, MOLLY MANATEE, OMNI, W/ ACTIVATOR
10	1	CFSK-001-ACT-OM	CREATURE FEATURE AQUA SHARK, INCLUSIVE, OMNI
11	1	CFLB-001-OM	CREATURE FEATURE LARRY THE LOBSTER, OMNI
12	1	CFBO-001-OM	BABY INKY, OMNI
13	1	SPSF-001-OM	SPINNING STARFISH, OMNI
14	1	SPCR-001-OM	SPINNING CRAB OMNI
15	1	CIRT-005	CIRCLE TIME, 24 OUTLET
16	1	CFBS-001-OM	CREATURE FEATURE BABY STARRY, OMNI
17	2	RDJP-LED-UPJT-001	LED LIGHT W/ UPSTREAM JET NOZZLE
18	2	RDJP-LED-SFJT-001	LED LIGHT W/ SLANT FINGER JET
19	2	RDJP-LED-TLJT-001	LED LIGHT W/ MINI TOOLIP JET
20	8	RDJP-LED-SLJT-001	LED LIGHT W/ SLANT JET NOZZLE
23	1	MANIFOLD-6-161-052-N02	MANIFOLD-6\"/>

PLEASE NOTE:
 ALL PIPES AND FITTINGS TO BE SUPPLIED BY CONTRACTOR UNLESS OTHERWISE NOTED.
 PVC PIPING -
 1 - SCHEDULE 80 PVC PIPE AND SOCKET TYPE FITTINGS SHALL CONFORM TO ASTM D2467, ASTM D1785-12, AND ALL APPLICABLE LOCAL CODES.
 2 - ALL PVC PIPING SHALL BE STAMPED WITH N.S.F. SEAL OF APPROVAL FOR POTABLE WATER.
 3 - ALL PIPING SHALL BE LABELED WITH DIRECTIONAL FLOW ARROWS.
 4 - ALL PIPING TO BE PRESSURE TESTED BEFORE POURING CONCRETE.
 5 - PIPING DESIGNED TO CARRY THE REQUIRED QUANTITIES OF WATER AT VELOCITIES NOT TO EXCEED 10 FPS OR PER LOCAL CODES AND REGULATIONS.
 6 - SUPPLY LINES TO BE CHEMICALLY WELDED TO OMNIPOD FEATURE RECEIVER.
 7 - ALL PIPING TO BE 1\"/>

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PROJECT

FOSTORIA SPRAYPARK
 FOSTORIA, OH 44830 US

SIZE	PROJECT #	DWG NO	REV
B	18860	18860-2023-10H-FOSTORIA-FOSTORIA-SPRAYPARK-31	1

DRAWN: **cebeling** 12/11/2023 SHEET 4 OF 13

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Scale	AS INDICATED	Job No.	24001561	Issued For Bidding	03/01/2024	Issued For Construction	02/23/2024	Issued For Construction	02/23/2024
Designed by	RAIN DROP	Drawn by	RAIN DROP	Checked by	RAIN DROP	Approved by		Description	REV/ISSIONS
Project	CITY OF FOSTORIA								
Project	FOSTORIA SPLASH PAD RESTROOM ADDITIONS								
Drawing	SPLASH PAD FEATURE SUPPLY PIPING								

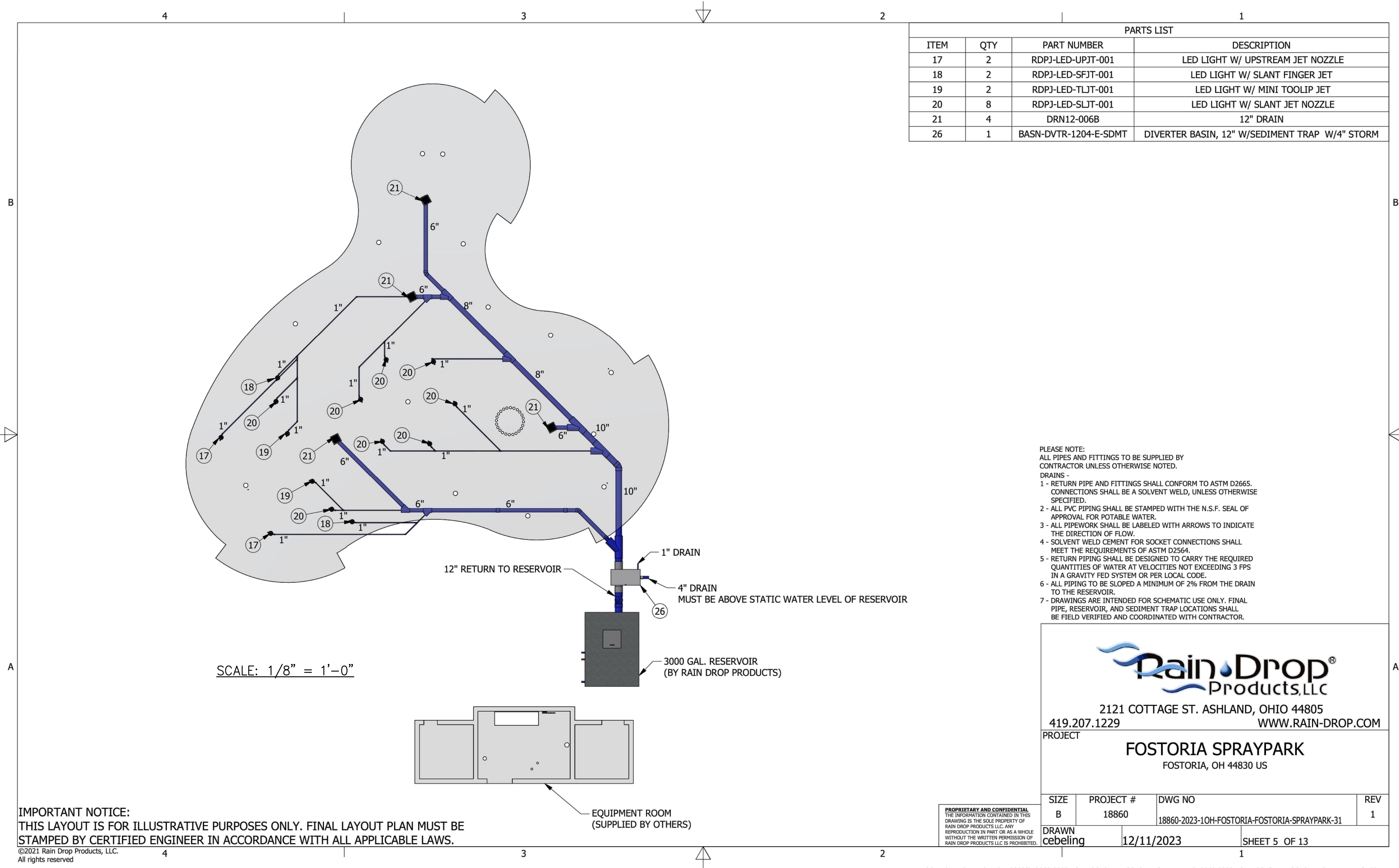
P204

FILE No. S:\24\Projects\24001561\001A - Fostoria Splash Pad\Drawings\24001561\201.dwg 02/27/24 07:26-MM\yke

THE SPLASH PAD SYSTEM IS A DELEGATED DESIGN. THIS DRAWING IS INCLUDED FOR REFERENCE ONLY, SUCH THAT THE PLUMBING CONTRACTOR CAN FORMULATE A PRICE FOR BIDDING TO PROVIDE THE SPLASH PAD SUPPLY AND RETURN WATER AND DRAIN PIPING. THE FINAL SPLASH PAD SYSTEM DESIGN AND SEALED ENGINEERING DRAWINGS SHALL BE PROVIDED AT A LATER DATE BY THE CONTRACTED SPLASH PAD VENDOR. THIS CONTRACTOR SHALL COORDINATE PIPING WITH FINAL DESIGN ONCE IT HAS BEEN MADE AVAILABLE.



COORDINATE EXACT CONNECTION POINTS WITH RAIN DROP



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
17	2	RDPJ-LED-UPJT-001	LED LIGHT W/ UPSTREAM JET NOZZLE
18	2	RDPJ-LED-SFJT-001	LED LIGHT W/ SLANT FINGER JET
19	2	RDPJ-LED-TLJT-001	LED LIGHT W/ MINI TOOLIP JET
20	8	RDPJ-LED-SLJT-001	LED LIGHT W/ SLANT JET NOZZLE
21	4	DRN12-006B	12" DRAIN
26	1	BASN-DVTR-1204-E-SDMT	DIVERTER BASIN, 12" W/SEDIMENT TRAP W/4" STORM

PLEASE NOTE:
 ALL PIPES AND FITTINGS TO BE SUPPLIED BY CONTRACTOR UNLESS OTHERWISE NOTED.
 DRAINS -
 1 - RETURN PIPE AND FITTINGS SHALL CONFORM TO ASTM D2565. CONNECTIONS SHALL BE A SOLVENT WELD, UNLESS OTHERWISE SPECIFIED.
 2 - ALL PVC PIPING SHALL BE STAMPED WITH THE N.S.F. SEAL OF APPROVAL FOR POTABLE WATER.
 3 - ALL PIPEWORK SHALL BE LABELED WITH ARROWS TO INDICATE THE DIRECTION OF FLOW.
 4 - SOLVENT WELD CEMENT FOR SOCKET CONNECTIONS SHALL MEET THE REQUIREMENTS OF ASTM D2564.
 5 - RETURN PIPING SHALL BE DESIGNED TO CARRY THE REQUIRED QUANTITIES OF WATER AT VELOCITIES NOT EXCEEDING 3 FPS IN A GRAVITY FED SYSTEM OR PER LOCAL CODE.
 6 - ALL PIPING TO BE SLOPED A MINIMUM OF 2% FROM THE DRAIN TO THE RESERVOIR.
 7 - DRAWINGS ARE INTENDED FOR SCHEMATIC USE ONLY. FINAL PIPE, RESERVOIR, AND SEDIMENT TRAP LOCATIONS SHALL BE FIELD VERIFIED AND COORDINATED WITH CONTRACTOR.

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PROJECT
FOSTORIA SPRAYPARK
 FOSTORIA, OH 44830 US

SIZE B	PROJECT # 18860	DWG NO 18860-2023-10H-FOSTORIA-FOSTORIA-SPRAYPARK-31	REV 1
DRAWN cebeling		DATE 12/11/2023	
		SHEET 5 OF 13	

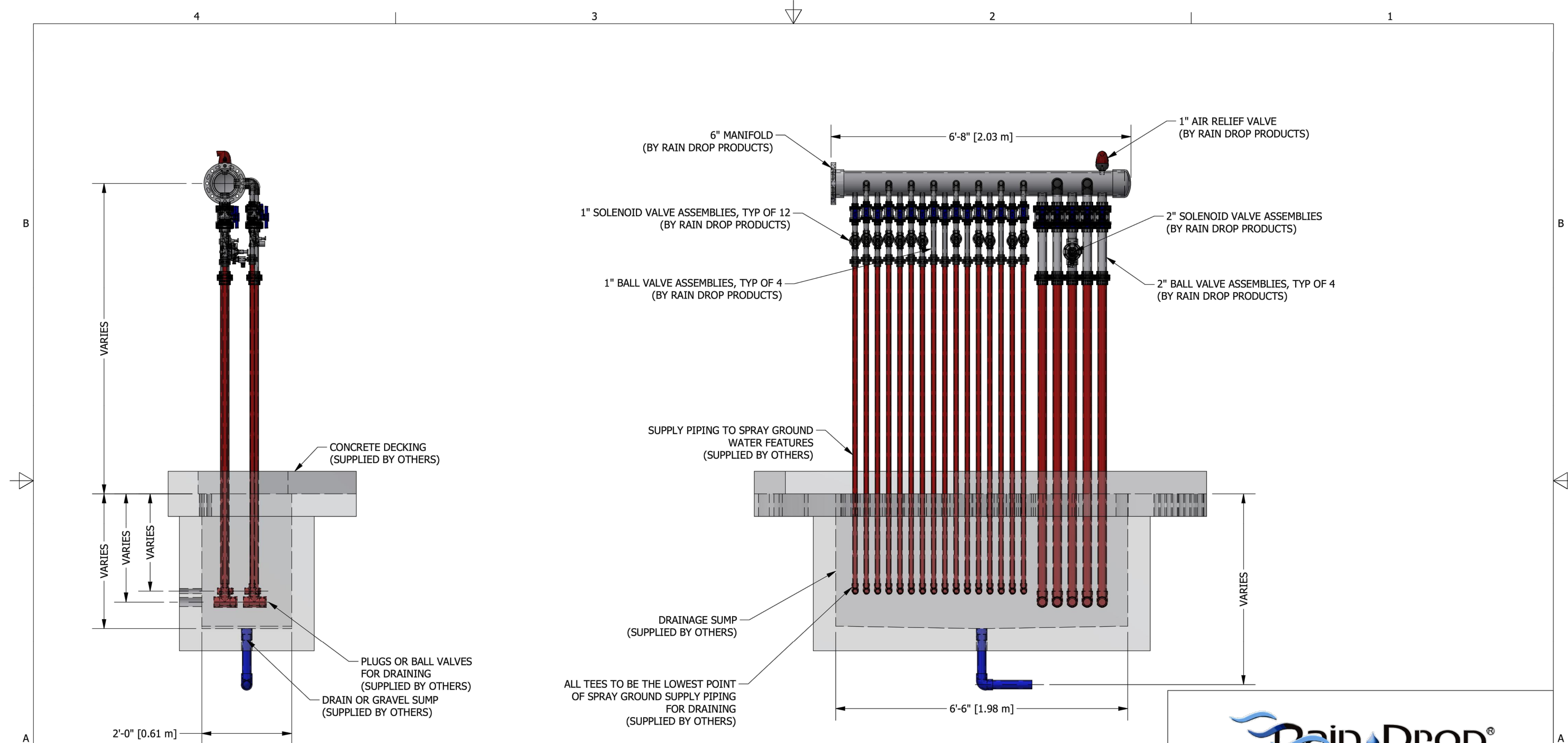
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Scale	Date	Job No.	Designed by	Drawn by	Checked by	Approved by	No.	Description	Date
AS INDICATED		24001561	RAIN DROP	RAIN DROP	RAIN DROP				
			ISSUED FOR BIDDING				4	ISSUED FOR BIDDING	03/01/2024
			ISSUED FOR BUILDING PERMITS				3	ISSUED FOR BUILDING PERMITS	02/23/2024
			ISSUED FOR CONSTRUCTION				2	ISSUED FOR CONSTRUCTION	02/12/2024
			ISSUED FOR CDNR REVIEW				1	ISSUED FOR CDNR REVIEW	02/05/2024

CITY OF FOSTORIA
**FOSTORIA SPLASH PAD
 RESTROOM ADDITIONS**
 SPLASH PAD FEATURE RETURN PIPING

THE SPLASH PAD SYSTEM IS A DELEGATED DESIGN. THIS DRAWING IS INCLUDED FOR REFERENCE ONLY, SUCH THAT THE PLUMBING CONTRACTOR CAN FORMULATE A PRICE FOR BIDDING TO PROVIDE THE SPLASH PAD SUPPLY AND RETURN WATER AND DRAIN PIPING. THE FINAL SPLASH PAD SYSTEM DESIGN AND SEALED ENGINEERING DRAWINGS SHALL BE PROVIDED AT A LATER DATE BY THE CONTRACTED SPLASH PAD VENDOR. THIS CONTRACTOR SHALL COORDINATE PIPING WITH FINAL DESIGN ONCE IT HAS BEEN MADE AVAILABLE.



- MANIFOLD NOTES -**
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROPERLY SUPPORT THE WATER SUPPLY MANIFOLD.
 - ALL PIPING SHALL BE SUPPORTED Laterally AS WELL AS VERTICALLY. USE OF PROPER HANGERS FOR THE CONDITIONS IS ESSENTIAL.
 - ALL HANGERS, PIPE SUPPORTS, THREADED ROD, HARDWARE, ETC. SHALL BE SUPPLIED BY OTHERS.
 - DRAWINGS ARE INTENDED FOR SCHEMATIC USE ONLY. FINAL MANIFOLD LOCATION SHALL BE FIELD VERIFIED AND COORDINATED WITH THE CONTRACTOR.

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ALL TEES TO BE THE LOWEST POINT OF SPRAY GROUND SUPPLY PIPING FOR DRAINING (SUPPLIED BY OTHERS)

DRAWING NOT TO SCALE

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PROJECT
FOSTORIA SPRAYPARK
 FOSTORIA, OH 44830 US

SIZE	PROJECT #	DWG NO	REV
B	18860	18860-2023-10H-FOSTORIA-FOSTORIA-SPRAYPARK-31	1

DRAWN: **cebeling** 12/11/2023 SHEET 8 OF 13

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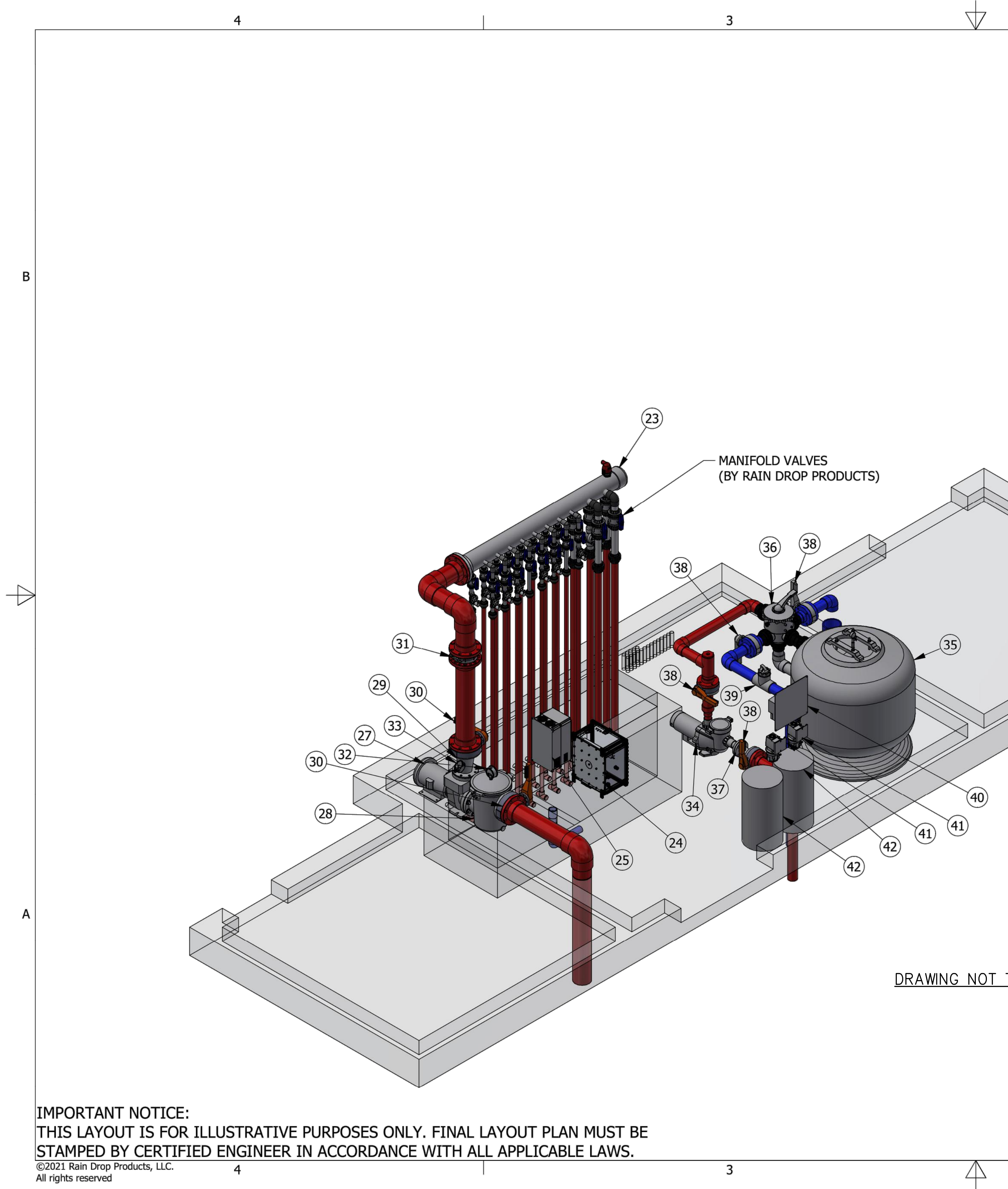
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Scale	Date	Job No.	Issued For	Description	Rev/Status
AS INDICATED		24001561	ISSUED FOR BIDDING		
			RAIN DROP	03/01/2024	
			RAIN DROP	02/23/2024	
			RAIN DROP	02/12/2024	
			RAIN DROP	02/05/2024	

Client: CITY OF FOSTORIA
 Project: FOSTORIA SPLASH PAD RESTROOM ADDITIONS
 Drawing: SPLASH PAD FEATURE PIPING DETAILS

FILE No. S:\24\Projects\24001561\001A - Fostoria Splash Pad\Drawings\24001561P201.dwg 02/27/24 07:28-MMW/kye

THE SPLASH PAD SYSTEM IS A DELEGATED DESIGN. THIS DRAWING IS INCLUDED FOR REFERENCE ONLY, SUCH THAT THE PLUMBING CONTRACTOR CAN FORMULATE A PRICE FOR BIDDING TO PROVIDE THE SPLASH PAD SUPPLY AND RETURN WATER AND DRAIN PIPING. THE FINAL SPLASH PAD SYSTEM DESIGN AND SEALED ENGINEERING DRAWINGS SHALL BE PROVIDED AT A LATER DATE BY THE CONTRACTED SPLASH PAD VENDOR. THIS CONTRACTOR SHALL COORDINATE PIPING WITH FINAL DESIGN ONCE IT HAS BEEN MADE AVAILABLE.



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
23	1	MANIFOLD-6-161-052-N02	MANIFOLD-6" W/ 16-1" AND 5-2" OUTLETS, TRUE UNION, SCH 80 PVC
24	1	DMX-001	DMX, 8 PWR
25	1	ZPP-VFD-151230	POLYSEPEDE SERIES AC DRIVE, 15 HP, 240V 1-PHASE INPUT, 3-PHASE OUTPUT
27	1	PMP6-450-PK3-01	PUMP, CSP SERIES 10HP/3PH/200-208VAC 60Hz, STA-RITE
28	1	PMP6-450-PK3-01	STRAINER, PKG 184 FOR CSP SERIES PUMP, STA-RITE
29	1	PMP6-450-PK3-01	CONCENTRIC REDUCER, 6" X 4", S.S.
30	2	PMP6-450-PK3-01	BUTTERFLY VALVE, 6" LEVER OPERATED (PUMP SUCTION/DISCHARGE)
31	1	PMP6-450-PK3-01	CHECK VALVE, 6" SCH 80 PVC
32	1	PMP6-450-PK3-01	GAUGE, PRESSURE/VACUUM COMBINATION, 30-60 PSI
33	1	PMP6-450-PK3-01	GAUGE, PRESSURE, 0-60 PSI
34	1	FLT-130PK1S	PUMP, 3HP/1PH/208-230VAC, W/STRAINER, TRI-STAR
35	1	FLT-130PK1S	42" SAND FILTER, WATERCO
36	1	FLT-130PK1S	MULTIPOINT VALVE, 3" PORTS, WATERCO
37	1	FLT-130PK1S	ECCENTRIC REDUCER, 3" X 2", S.S.
38	4	FLT-130PK1S	BUTTERFLY VALVE, 3" LEVER OPERATED (PUMP SUCTION, DISCHARGE, BACKFLOW, RESTRICTION)
39	1	FLT-130PK1S	FLOW METER, 3" IN-LINE, FLOWVIS
40	1	CHL-750PK1L	CHEMICAL CONTROLLER, CAT 2000, 120VAC, 50/60Hz, HAYWARD
41	2	CHL-750PK1L	PUMP, 45 SERIES CHEMICAL FEED, 0-50 GPD, 120VAC, 60Hz, STENNER
42	2	CHL-750PK1L	15 GALLON CLOSED TOP TANK

DRAWING NOT TO SCALE

NOTE:
ALL PARTS NOT BALLOONED OR LABELED
ARE NOT PROVIDED BY RAIN DROP PRODUCTS



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PROJECT
FOSTORIA SPRAYPARK
FOSTORIA, OH 44830 US

SIZE	PROJECT #	DWG NO	REV
B	18860	18860-2023-1OH-FOSTORIA-FOSTORIA-SPRAYPARK-31	1
DRAWN	DATE	SHEET 9 OF 13	
cebeling	12/11/2023	1	

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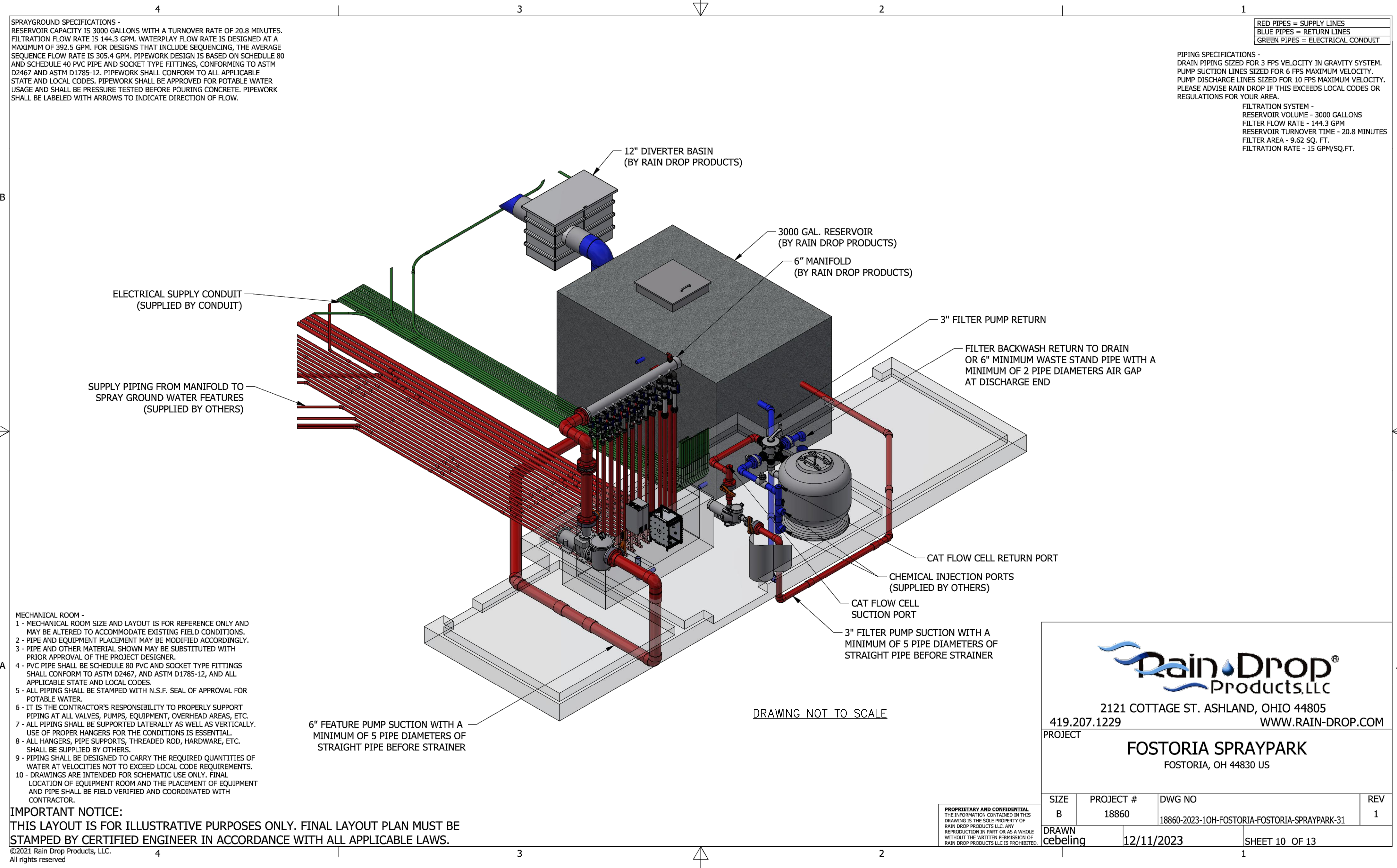
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Scale	AS INDICATED	No.	Description
Date		1	REV/ISSIONS
Job No.	24001561	4	ISSUED FOR BIDDING
Designed by	RAIN DROP	3	ISSUED FOR BUILDING PERMITS
Drawn by	RAIN DROP	2	ISSUED FOR CONSTRUCTION
Checked by	RAIN DROP	1	ISSUED FOR CONSTRUCTION REVIEW
Approved by			
Status			

CITY OF FOSTORIA
**FOSTORIA SPLASH PAD
RESTROOM ADDITIONS**
SPLASH PAD FEATURE PIPING DETAILS

FILE No. S:\24\Projects\24001561\001A - Fostoria Splash Pad\DWG\24001561P201.dwg 02/27/24 07:29:MM\yke

THE SPLASH PAD SYSTEM IS A DELEGATED DESIGN. THIS DRAWING IS INCLUDED FOR REFERENCE ONLY, SUCH THAT THE PLUMBING CONTRACTOR CAN FORMULATE A PRICE FOR BIDDING TO PROVIDE THE SPLASH PAD SUPPLY AND RETURN WATER AND DRAIN PIPING. THE FINAL SPLASH PAD SYSTEM DESIGN AND SEALED ENGINEERING DRAWINGS SHALL BE PROVIDED AT A LATER DATE BY THE CONTRACTED SPLASH PAD VENDOR. THIS CONTRACTOR SHALL COORDINATE PIPING WITH FINAL DESIGN ONCE IT HAS BEEN MADE AVAILABLE.



SPRAYGROUND SPECIFICATIONS -
 RESERVOIR CAPACITY IS 3000 GALLONS WITH A TURNOVER RATE OF 20.8 MINUTES. FILTRATION FLOW RATE IS 144.3 GPM. WATERPLAY FLOW RATE IS DESIGNED AT A MAXIMUM OF 392.5 GPM. FOR DESIGNS THAT INCLUDE SEQUENCING, THE AVERAGE SEQUENCE FLOW RATE IS 305.4 GPM. PIPEWORK DESIGN IS BASED ON SCHEDULE 80 AND SCHEDULE 40 PVC PIPE AND SOCKET TYPE FITTINGS, CONFORMING TO ASTM D2467 AND ASTM D1785-12. PIPEWORK SHALL CONFORM TO ALL APPLICABLE STATE AND LOCAL CODES. PIPEWORK SHALL BE APPROVED FOR POTABLE WATER USAGE AND SHALL BE PRESSURE TESTED BEFORE POURING CONCRETE. PIPEWORK SHALL BE LABELED WITH ARROWS TO INDICATE DIRECTION OF FLOW.

MECHANICAL ROOM -
 1 - MECHANICAL ROOM SIZE AND LAYOUT IS FOR REFERENCE ONLY AND MAY BE ALTERED TO ACCOMMODATE EXISTING FIELD CONDITIONS.
 2 - PIPE AND EQUIPMENT PLACEMENT MAY BE MODIFIED ACCORDINGLY.
 3 - PIPE AND OTHER MATERIAL SHOWN MAY BE SUBSTITUTED WITH PRIOR APPROVAL OF THE PROJECT DESIGNER.
 4 - PVC PIPE SHALL BE SCHEDULE 80 PVC AND SOCKET TYPE FITTINGS SHALL CONFORM TO ASTM D2467, AND ASTM D1785-12, AND ALL APPLICABLE STATE AND LOCAL CODES.
 5 - ALL PIPING SHALL BE STAMPED WITH N.S.F. SEAL OF APPROVAL FOR POTABLE WATER.
 6 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROPERLY SUPPORT PIPING AT ALL VALVES, PUMPS, EQUIPMENT, OVERHEAD AREAS, ETC.
 7 - ALL PIPING SHALL BE SUPPORTED Laterally AS WELL AS VERTICALLY. USE OF PROPER HANGERS FOR THE CONDITIONS IS ESSENTIAL.
 8 - ALL HANGERS, PIPE SUPPORTS, THREADED ROD, HARDWARE, ETC. SHALL BE SUPPLIED BY OTHERS.
 9 - PIPING SHALL BE DESIGNED TO CARRY THE REQUIRED QUANTITIES OF WATER AT VELOCITIES NOT TO EXCEED LOCAL CODE REQUIREMENTS.
 10 - DRAWINGS ARE INTENDED FOR SCHEMATIC USE ONLY. FINAL LOCATION OF EQUIPMENT ROOM AND THE PLACEMENT OF EQUIPMENT AND PIPE SHALL BE FIELD VERIFIED AND COORDINATED WITH CONTRACTOR.

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RED PIPES = SUPPLY LINES
BLUE PIPES = RETURN LINES
GREEN PIPES = ELECTRICAL CONDUIT

PIPING SPECIFICATIONS -
 DRAIN PIPING SIZED FOR 3 FPS VELOCITY IN GRAVITY SYSTEM. PUMP SUCTION LINES SIZED FOR 6 FPS MAXIMUM VELOCITY. PUMP DISCHARGE LINES SIZED FOR 10 FPS MAXIMUM VELOCITY. PLEASE ADVISE RAIN DROP IF THIS EXCEEDS LOCAL CODES OR REGULATIONS FOR YOUR AREA.

FILTRATION SYSTEM -
 RESERVOIR VOLUME - 3000 GALLONS
 FILTER FLOW RATE - 144.3 GPM
 RESERVOIR TURNOVER TIME - 20.8 MINUTES
 FILTER AREA - 9.62 SQ. FT.
 FILTRATION RATE - 15 GPM/SQ.FT.

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PROJECT
FOSTORIA SPRAYPARK
 FOSTORIA, OH 44830 US

SIZE	PROJECT #	DWG NO	REV
B	18860	18860-2023-1OH-FOSTORIA-FOSTORIA-SPRAYPARK-31	1
DRAWN	DATE	SHEET	
cebeling	12/11/2023	10 OF 13	

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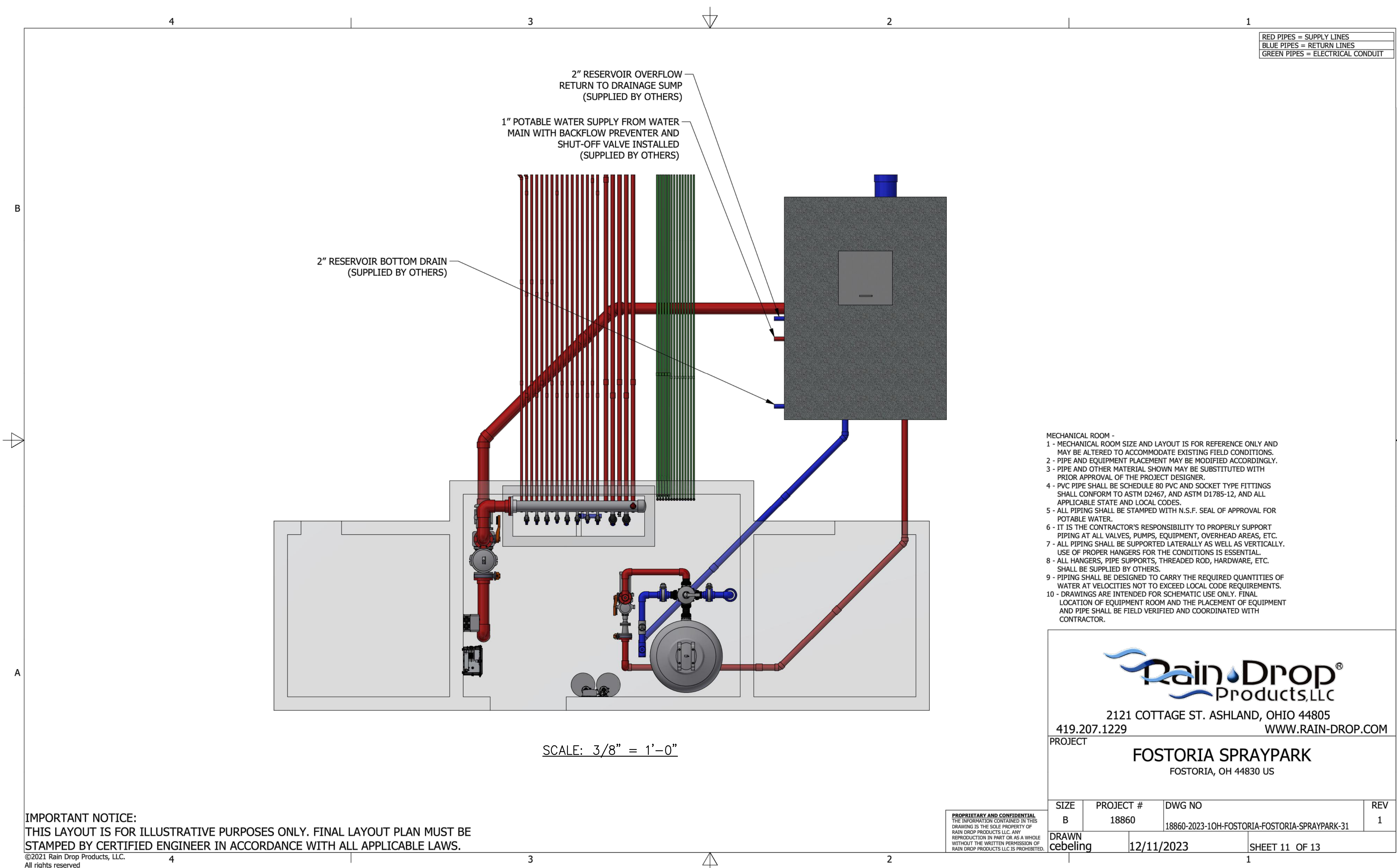
AS INDICATED	Scale	Date	Job No.	Designed by	Drawn by	Checked by	Approved by	No.	Description
	AS INDICATED		24001561	RAIN DROP	RAIN DROP	RAIN DROP		4	ISSUED FOR BIDDING
								3	ISSUED FOR BUILDING PERMITS
								2	ISSUED FOR CONSTRUCTION
								1	ISSUED FOR CONR REVIEW

AS INDICATED	Scale	Date	Job No.	Designed by	Drawn by	Checked by	Approved by	No.	Description
	AS INDICATED		24001561	RAIN DROP	RAIN DROP	RAIN DROP		4	ISSUED FOR BIDDING
								3	ISSUED FOR BUILDING PERMITS
								2	ISSUED FOR CONSTRUCTION
								1	ISSUED FOR CONR REVIEW

CITY OF FOSTORIA
FOSTORIA SPLASH PAD RESTROOM ADDITIONS
 SPLASH PAD FEATURE PIPING DETAILS

P208

THE SPLASH PAD SYSTEM IS A DELEGATED DESIGN. THIS DRAWING IS INCLUDED FOR REFERENCE ONLY, SUCH THAT THE PLUMBING CONTRACTOR CAN FORMULATE A PRICE FOR BIDDING TO PROVIDE THE SPLASH PAD SUPPLY AND RETURN WATER AND DRAIN PIPING. THE FINAL SPLASH PAD SYSTEM DESIGN AND SEALED ENGINEERING DRAWINGS SHALL BE PROVIDED AT A LATER DATE BY THE CONTRACTED SPLASH PAD VENDOR. THIS CONTRACTOR SHALL COORDINATE PIPING WITH FINAL DESIGN ONCE IT HAS BEEN MADE AVAILABLE.



RED PIPES = SUPPLY LINES
 BLUE PIPES = RETURN LINES
 GREEN PIPES = ELECTRICAL CONDUIT

2" RESERVOIR OVERFLOW
 RETURN TO DRAINAGE SUMP
 (SUPPLIED BY OTHERS)

1" POTABLE WATER SUPPLY FROM WATER
 MAIN WITH BACKFLOW PREVENTER AND
 SHUT-OFF VALVE INSTALLED
 (SUPPLIED BY OTHERS)

2" RESERVOIR BOTTOM DRAIN
 (SUPPLIED BY OTHERS)

SCALE: 3/8" = 1'-0"

- MECHANICAL ROOM -
- 1 - MECHANICAL ROOM SIZE AND LAYOUT IS FOR REFERENCE ONLY AND MAY BE ALTERED TO ACCOMMODATE EXISTING FIELD CONDITIONS.
 - 2 - PIPE AND EQUIPMENT PLACEMENT MAY BE MODIFIED ACCORDINGLY.
 - 3 - PIPE AND OTHER MATERIAL SHOWN MAY BE SUBSTITUTED WITH PRIOR APPROVAL OF THE PROJECT DESIGNER.
 - 4 - PVC PIPE SHALL BE SCHEDULE 80 PVC AND SOCKET TYPE FITTINGS SHALL CONFORM TO ASTM D2467, AND ASTM D1785-12, AND ALL APPLICABLE STATE AND LOCAL CODES.
 - 5 - ALL PIPING SHALL BE STAMPED WITH N.S.F. SEAL OF APPROVAL FOR POTABLE WATER.
 - 6 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROPERLY SUPPORT PIPING AT ALL VALVES, PUMPS, EQUIPMENT, OVERHEAD AREAS, ETC.
 - 7 - ALL PIPING SHALL BE SUPPORTED LATERALLY AS WELL AS VERTICALLY. USE OF PROPER HANGERS FOR THE CONDITIONS IS ESSENTIAL.
 - 8 - ALL HANGERS, PIPE SUPPORTS, THREADED ROD, HARDWARE, ETC. SHALL BE SUPPLIED BY OTHERS.
 - 9 - PIPING SHALL BE DESIGNED TO CARRY THE REQUIRED QUANTITIES OF WATER AT VELOCITIES NOT TO EXCEED LOCAL CODE REQUIREMENTS.
 - 10 - DRAWINGS ARE INTENDED FOR SCHEMATIC USE ONLY. FINAL LOCATION OF EQUIPMENT ROOM AND THE PLACEMENT OF EQUIPMENT AND PIPE SHALL BE FIELD VERIFIED AND COORDINATED WITH CONTRACTOR.



2121 COTTAGE ST. ASHLAND, OHIO 44805
 419.207.1229 WWW.RAIN-DROP.COM

PROJECT
FOSTORIA SPRAYPARK
 FOSTORIA, OH 44830 US

SIZE	PROJECT #	DWG NO	REV
B	18860	18860-2023-10H-FOSTORIA-FOSTORIA-SPRAYPARK-31	1
DRAWN	DATE	SHEET	
cebeling	12/11/2023	11 OF 13	

IMPORTANT NOTICE:
 THIS LAYOUT IS FOR ILLUSTRATIVE PURPOSES ONLY. FINAL LAYOUT PLAN MUST BE STAMPED BY CERTIFIED ENGINEER IN ACCORDANCE WITH ALL APPLICABLE LAWS.
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C:\Vault workspace\Designs\2023\18860-2023-10H-FOSTORIA-FOSTORIA-SPRAYPARK\18860-2023-10H-FOSTORIA-FOSTORIA-SPRAYPARK-31.idw

Scale	AS INDICATED	No.	DESCRIPTION
Date			
Job No.	24001561		
Designed by	RAIN DROP	4	ISSUED FOR BIDDING
Drawn by	RAIN DROP	3	ISSUED FOR BUILDING PERMITS
Checked by	RAIN DROP	2	ISSUED FOR CONSTRUCTION
Approved by		1	ISSUED FOR CONR REVIEW
Status			

CITY OF FOSTORIA
**FOSTORIA SPLASH PAD
 RESTROOM ADDITIONS**
 SPLASH PAD FEATURE PIPING DETAILS

ELECTRICAL OUTLINE SPECIFICATIONS

PART 1 GENERAL

- 1.1. SCOPE OF WORK: FURNISH AND INSTALL ALL LABOR, MATERIALS, TOOLS, ETC., TO PROVIDE A COMPLETE AND OPERATIONAL ELECTRICAL INSTALLATION...
1.2. CONTRACT DRAWINGS: IN GENERAL, DRAWINGS ARE SCHEMATIC IN NATURE AND ARE INTENDED AS A GUIDE TO THE CONTRACTOR...
1.3. VERIFICATION: A. BEFORE INSTALLING EQUIPMENT OR RUNNING ANY CONDUITS, WIRING, ETC., WITHIN THE BUILDING...

PART 2 PRODUCTS

- 2.1. FIRE-RATING: OPENINGS AROUND CONDUITS OR IN SLEEVES FOR CONDUITS PENETRATING FIRE-RATED FLOOR SLABS, WALLS, PARTITIONS, CEILING, OR SMOKE PARTITIONS...
2.2. LABELS: PROVIDE ENGRAVED PLASTIC NAMEPLATES, SECURELY FASTENED TO EQUIPMENT, FOR ALL NEW PANELS, STARTERS, TERMINAL CABINETS, DISCONNECTS, CONTROL PANELS, LARGE PULL BOXES, AND OTHER MAJOR COMPONENTS...
2.3. GROUNDING, WIRE, RACEWAYS, BOXES AND SUPPORTS:

2.4. EQUIPMENT, GEAR AND WIRING DEVICES

- A. DISCONNECTS: SAFETY SWITCHES SHALL BE HEAVY DUTY, H.P. RATED, 250 OR 600 VOLTS AC RATED TO MATCH THE CIRCUIT SHOWN...
B. FUSES: FUSES SHALL BE DUAL-ELEMENT, TIME-DELAY, REJECTION STYLE, CLASS RK-5 FOR FUSES UP TO 600 AMPERES...
C. STARTERS: PROVIDE A MANUAL STARTER, WITH OVERLOAD, PILOT LIGHT, TOGGLE SWITCH OPERATOR, AND NEMA 1 ENCLOSURE...
D. CONTACTORS: PROVIDE THE LIGHTING CONTACTORS AS INDICATED...
E. WIRING DEVICES: DEVICES SHALL BE COMMERCIAL GRADE, COMPLETE WITH THERMOPLASTIC FACE OR HANDLE OF THE TYPE, RATING, AND CONSTRUCTION INDICATED ON THE PLANS...
F. PANELBOARDS: PANELS SHALL BE DEAD FRONT, AND EQUIPPED WITH BOLTED TYPE, THERMAL-MAGNETIC MOULDED CASE CIRCUIT BREAKERS...
G. SERVICE ENTRANCE: SELECTED SWITCHBOARDS, PANELBOARDS OR SAFETY SWITCHES, AS INDICATED, SHALL BE UTILIZED AND BE U.L. RATED AS SERVICE ENTRANCE EQUIPMENT...
H. SPD: FURNISH AND INSTALL A HEAVY DUTY SURGE SUPPRESSION DEVICE RATED FOR PARALLEL CONNECTION TO A 120/208 VOLT, THREE PHASE, FOUR WIRE GROUNDWED WYE SYSTEM...

2.5. LIGHTING AND CONTROLS

- A. LIGHT FIXTURES: FURNISH AND INSTALL THE LIGHT FIXTURES AS INDICATED ON THE PLANS AND SCHEDULES...
B. ACCESSORIES: REFLECTORS, BALLASTS, DRIVERS, LENSES, LOUVERS, PLASTER FRAMES, ETC. PRISMATIC LENSES SHALL BE 100% ACRYLIC...
C. PROVIDE ONE (1) YEAR WARRANTY ON ALL LABOR AND MATERIAL UNLESS NOTED OTHERWISE...
D. COORDINATE LOCATIONS OF ALL ELECTRICAL PANELS AND EQUIPMENT WITH NEW OR EXISTING OVERHEAD PIPING AND DUCT WORK TO AVOID INTERFERENCES...

PART 3 EXECUTION

- 3.1. GENERAL: ALL EQUIPMENT INSTALLATION PROCEDURES SHALL BE BASE ON FUNDAMENTAL ENGINEERING AND CONSTRUCTION PRINCIPLES IN CONFORMANCE WITH ALL APPLICABLE CODES, STANDARDS AND ORDINANCES...
3.2. ELECTRICAL SITE WORK: COORDINATE ALL EXTERIOR WORK WITH AFFECTED UTILITIES AND THE OWNER...
H. SUPPORTS: FURNISH AND INSTALL ALL REQUIRED MISCELLANEOUS STEEL SUPPORTS FOR MOUNTING OF PANELS, RACEWAYS, FIXTURES, CABINETS, BOXES, ETC...

1.1. SITE VISIT: ALL CONTRACTORS, BIDDING THE WORK INDICATED THROUGHOUT THE CONTRACT DOCUMENTS, ARE REQUIRED TO VISIT, AND THOROUGHLY EXAMINE THE PROJECT SITE AND ITS ASSOCIATED CONDITIONS...

1.2. GUARANTEE: THE CONTRACTOR GUARANTEES, BY THEIR ACCEPTANCE OF THE CONTRACT, THAT ALL WORK WILL BE FREE FROM DEFECTS IN WORKMANSHIP AND/OR MATERIALS, FOR A PERIOD OF ONE YEAR FOLLOWING PROJECT COMPLETION UNLESS NOTED OTHERWISE...

1.3. SUBMITTALS: PRIOR TO RELEASING ANY ORDER FOR MATERIAL FOR THIS PROJECT, THE CONTRACTOR SHALL SUBMIT DETAILED DRAWINGS AND/OR SHEETS, SHOWING DIMENSIONS, WEIGHTS, MATERIALS, COLORS, AND ROUGH-IN REQUIREMENTS...

1.1. PRODUCT SUBSTITUTIONS: THE MANUFACTURERS LISTED ARE INCLUDED AS A BASIS OF DESIGN. SUBMISSION OF ALTERNATE MANUFACTURERS IS SUBJECT TO ENGINEER APPROVAL UNLESS OTHERWISE INDICATED...

1.8 PERMITS AND CODES: CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH PERMITS, PLAN APPROVALS, TAXES & INSURANCE, ALL WORK SHALL CONFORM TO ALL LOCAL CODES AND ORDINANCES...

1.9 COORDINATION: CONTRACTOR SHALL COORDINATE THEIR PORTION OF THE WORK WITH THAT OF OTHER CONTRACTORS, ALL AFFECTED UTILITY COMPANIES, THE OWNER, AND THE OPERATIONS OF THE OWNER...

1.10 CUTTING & PATCHING: PROVIDE CUTTING AND PATCHING OF ALL MATERIALS NECESSARY FOR THE INSTALLATION AS INDICATED OR SPECIFIED, NEATLY REMOVE AND LEGALLY DISPOSE OF ELECTRICAL COMPONENTS AND ITEMS NO LONGER IN USE...

1.11 NEW WORK: UNLESS OTHERWISE NOTED, ALL WORK INDICATED THROUGHOUT THESE DRAWINGS SHALL BE CONSIDERED AS NEW WORK AND SHALL BE INCLUDED AS AN INTEGRAL PART OF THIS CONTRACT.

1.12 AS-BUILT DRAWINGS: CONTRACTOR SHALL ACCURATELY AND NEATLY RECORD ANY DEVIATIONS FROM THE PLANS AND SPECIFICATIONS, INCLUDING FINAL CONDUIT ROUTING, BRANCH CIRCUIT NUMBERING, EQUIPMENT SIZES, SINGLE LINE DIAGRAM, ETC...

1.13 CLOSE-OUT: CONTRACTOR SHALL PROVIDE FIELD TESTING, CHECK-OUT AND SYSTEM DEMONSTRATIONS TO OWNER TO ASSURE PROPER PERFORMANCE AND ADJUSTMENT OF ITEMS PROVIDED UNDER THE CONTRACT...

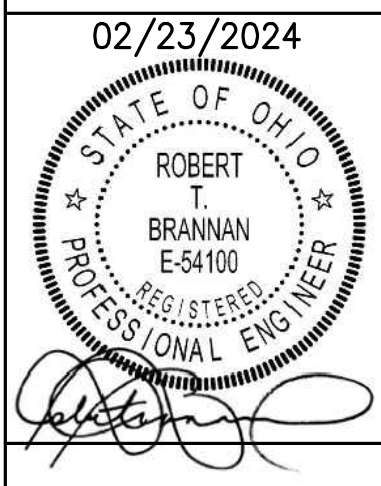


Table with 2 columns: Description, Date. Includes entries for Bid Opening, Issued for Building Permits, Issued for Construction, Issued for Owner Review, and Revisions.

Table with 3 columns: Scale, AS INDICATED, Date. Includes entries for Scale 2400/1561, TRD, JTB, and RTB.

Table with 3 columns: DWG NO., TITLE, FILE NO. Includes entries for E001 (Electrical Specifications), E002 (Legend), E201 (Site Plan).

Client: CITY OF FOSTORIA
Project: FOSTORIA SPLASH PAD RESTROOM ADDITIONS
Drawing: ELECTRICAL SPECIFICATION AND LEGEND
E001

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY ROBERT TIMOTHY BRANNAN, PE USING A DIGITAL SIGNATURE AND DATE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

ELECTRICAL LEGEND

<p>ABBREVIATIONS</p> <p>A12 ALPHANUMERIC LABEL INDICATES PANEL AND CIRCUIT TO WHICH ITEM IS CONNECTED (I.E. PANEL A, CIRCUIT 12)</p> <p>AFF ABOVE FINISHED FLOOR</p> <p>AFG ABOVE FINISHED GRADE</p> <p>CCT COVER PLATE</p> <p>C.P. ELECTRICAL (SUB) CONTRACTOR</p> <p>F.B.O. FURNISHED BY OTHERS, INSTALLED AND/OR WIRING BY ELECTRICAL CONTRACTOR</p> <p>H.P. HORSEPOWER</p> <p>L.D. LOCATE AS DIRECTED</p> <p>M.C. MECHANICAL (HVAC, PLBG, FP, OR TC) (SUB) CONTRACTOR</p> <p>MH MOUNTING HEIGHT TO BOTTOM OF DEVICE, BOX, OR FIXTURE, UNO MINIMUM</p> <p>OREQ OR EQUAL</p> <p>UNO UNLESS NOTED OTHERWISE</p> <p>W/ COMPLETE WITH WEATHERPROOF DEVICE, ENCLOSURE OR COVER PLATE.</p> <p>WF INDICATES NOTE-SEE TABULATION ON SAME SHEET</p> <p>INDICATES MECHANICAL OR HEATING EQUIPMENT ITEM, SEE MECHANICAL EQUIPMENT SCHEDULE</p> <p>LED/FLUORESCENT FIXTURE-SEE SCHEDULE-SHOWN TO SCALE (APPROX.)</p> <p>SINGLE LAMP STRIP-SEE SCHEDULE-SHOWN TO SCALE (APPROX.)</p> <p>INDICATES FIXTURE WITH ONE NORMAL DRIVER & ONE EMERGENCY DRIVER.</p> <p>WALL MOUNTED FIXTURE-SEE SCHEDULE</p> <p>OCCUPANCY SWITCH-800 VA-120/277V-LINEVOLTAGE-W/C.P.-ADJUSTABLE TIMEOUT- 15 MINUTE MINIMUM, W/ON & OFF OVERRIDE SWITCH-DUAL TECHNOLOGY (IR/US) SENSING-M.H. 44". SENSORSWITCH #WSX-PDT-MH OREQ. COLOR TO MATCH OTHER DEVICES.</p> <p>DUPLEX RECEPT.-20A-120V-NEMA 5-20R W/C.P.- COLOR SELECTED BY HUBBELL #HBL5352W OREQ.</p> <p>DUPLEX GFCI RECEPT.-20A-125V-NEMA 5-20R W/C.P.- COLOR SELECTED BY ARCHITECT - M.H.16" IN READILY ACCESSIBLE LOCATION. HUBBELL #GRST20W OREQ.</p> <p>DUPLEX GFCI RECEPT.-WEATHER AND TAMPER RESISTANT DEVICE TO MATCH ABOVE-W/EXTRA DUTY W.P. IN USE" METAL FLAP C.P.-M.H. 24" IN READILY ACCESSIBLE LOCATION. HUBBELL #GF5362SGW/WP26E OREQ.</p> <p>OUTLET SHALL BE A DUPLEX OR MATCHING RECEPTACLE IF EQUIPMENT IS FURNISHED WITH CORD AND PLUG, OR JUNCTION BOX AND DISCONNECT SWITCH WITH SEALITE CONNECTION IF EQUIPMENT IS TO BE WIRED DIRECT. IT SHALL BE THE ELECTRICAL CONTRACTORS RESPONSIBILITY TO VERIFY THE REQUIRED OUTLET AND TO WIRE ALL EQUIPMENT COMPLETE.</p> <p>RECEPT. PANEL-CIRCUIT BREAKER TYPE-MH 6"0" TO TOP</p> <p>MOTOR-FRACTIONAL H.P.-120 VOLT (EF=EXH. FAN; UH=UNIT HEATER; MD=MOTORIZED DAMPER)</p> <p>MOTOR-SIZE AND FUNCTION AS NOTED-3 PHASE</p> <p>MANUAL MOTOR SWITCH-120V-1 PHASE-W/ PILOT LT.- MH 44" (2P= TWO POLE)</p> <p>COMBINATION FUSED SWITCH & MAGNETIC STARTER W/FUSED C.P.T. + PILOT DEVICE AS REQUIRED-NEMA 1 ENCLOSURE UNO-FURNISHED AND INSTALLED BY E.C. - MH 6"0" TO TOP UNO (NF=NON-FUSED; 3R=NEMA 3R ENCL; GK=NEMA 12 GASKETED ENCL; 4X=NEMA 4X STAINLESS STEEL ENCL)</p> <p>WIRE TICKS INDICATE BRANCH CIRCUIT PHASE, NEUTRAL, & GROUND WIRES, RESPECTIVELY</p> <p>JUNCTION BOX-REQUIRED WHERE SHOWN</p> <p>CONDUIT-CONCEALED IN CEILING, WALL OR FLOOR OF NEW CONSTRUCTION. CONCEALED WHEREVER POSSIBLE IN EXISTING CONSTRUCTION (1/2" OR 3/4" DIA. MIN.)</p> <p>HOMERUN TO PANEL OR LOCATION NOTED</p> <p>INDICATES CONCEALED CONDUIT UNDERGROUND/UNDERFLOOR - 3/4" MIN.</p> <p>INDICATES LOCAL SWITCHING OR CONTROL FUNCTION</p> <p>CONNECT TO EQUIPMENT NOTED-PROVIDE BONDING PLATE OR ATTACHMENT LUG AS REQUIRED</p> <p>GROUND ROD-COPPERWELD-3/4" x 10 FT.-TOP AT 6" BELOW GRADE-COMPLETE WITH CADWELD CONNECTION TO BUILDING STEEL OR EQUIPMENT.</p> <p>DUPLEX GFCI RECEPT.-WEATHER AND TAMPER RESISTANT DEVICE-20A-120V-NEMA 5-20R. HUBBELL #GF5362SGW/WP26E OREQ.</p> <p>SINGLE TWK RECEPT. 30A-208V-1 PH.-3W+GRD-NEMA L14-30R. HUBBELL #HBL2710 OREQ.</p> <p>SEVEN-DAY TIME SWITCH, 2 POLE, 2-CHANNEL PROGRAMMABLE TIMER, BATTERY BACK-UP, NEMA 1 ENCLOSURE, TORK MODEL DC200A OREQ.</p> <p>PRE-WIRED CONTROL PANEL WITH MAGNETIC STARTERS, CONTACTORS, ETC., PROVIDED WITH EQUIPMENT, WITH OR WITHOUT DISCONNECT AS SHOWN. POWER FEED WIRING BY E.C.</p>
--

FIXTURE SCHEDULE

MARK	LAMP CATEGORY	LAMP QTY/TYP	VOLTS	DESCRIPTION	MFR. AND CATALOG SERIES	VA
A	LED	NOM 25W 3,146 LUMENS 3500K	120	2'x4' LED SURFACE MOUNTED, FROSTED ACRYLIC LENS, REGRESSED DOOR FRAME, WHITE TRIM, ELECTRONIC 0-10V DIMMING DRIVER, WITH EMERGENCY BATTERY PACK.	LITHONIA 2ACLX4-30L-EZ1-LP835-REV OR APPROVED EQUAL BY EATON, CREE, ETC.	30
B	LED	31.8W 5,000 LUMENS 3500K	120	LED LINEAR STRIP, ALUMINUM HOUSING, FLAT DIFFUSE LENS, WHITE FINISH, WITH EMERGENCY BATTERY PACK, CHAIN SUSPENDED, 9' AFF.	LITHONIA CLX-L48-5000LM-SEF-L/LENS-MVOLT-021-35K-60CRI-WH-REV OR APPROVED EQUAL BY EATON, CREE, ETC.	35
C	LED	40W 1,165 LUMENS 3500K	120	EXTERIOR LED WALLPACK, CAST ALUMINUM HOUSING, TEMPERED GLASS LENS, BLACK FINISH, ELECTRONIC DRIVER, SURFACE MOUNTING BRACKET, MOUNTED AT NOMINAL 7'-0" A.F.G.	LITHONIA VQ50C-40LED-MVOLT-DBLB-BAA-LPI-REV OR APPROVED EQUAL BY EATON, CREE, ETC.	45

PANELBOARD SCHEDULE

PANEL: RP-A

NOTES:

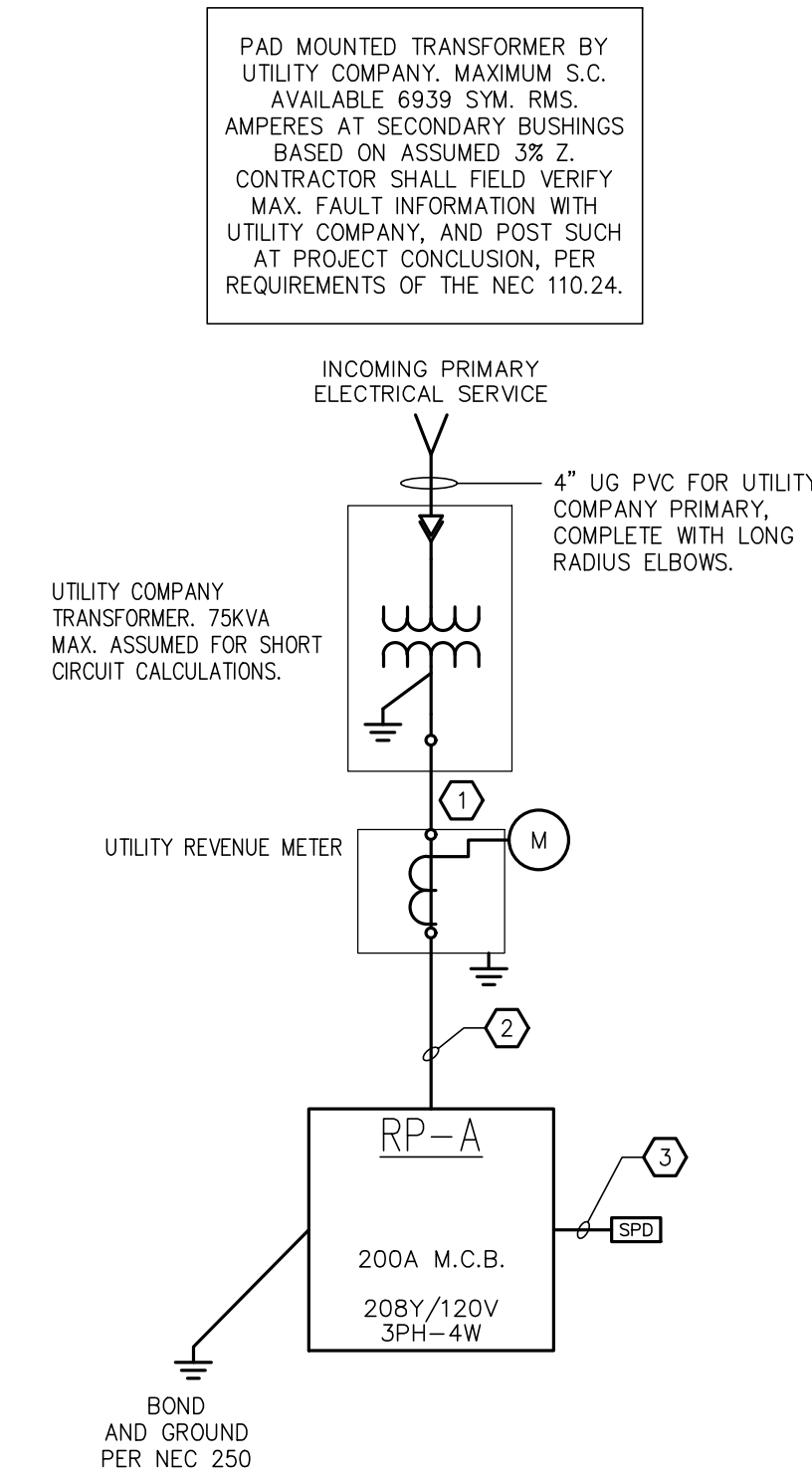
MAINS: 200A M.C.B. GFCI BREAKER ARC FAULT .22 KAIC RATING

VOLTS: 120/208V-3P-4W-SN 30 MILLIAMPER EQUIPMENT SWITCHED NEUTRAL NON-CONSEQUENT LOAD

MOUNTING: SURFACE GROUND FAULT TRIP MOTOR OPERATED RELAY CONTROLLED

SHUNT TRIP

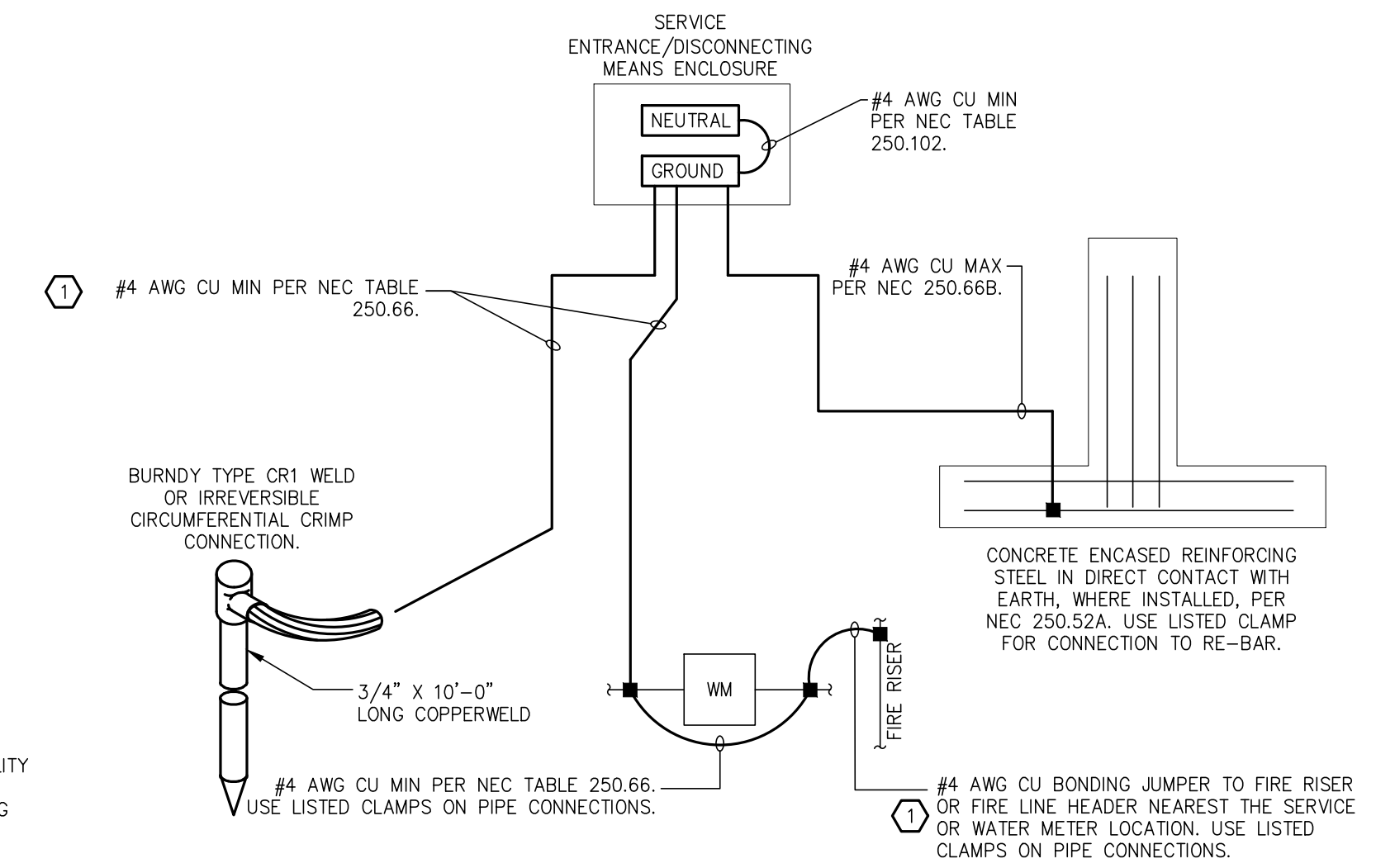
LOAD DESCRIPTION	NOTES	VOLT AMPS	C.B.			VOLT AMPS	NOTES	LOAD DESCRIPTION	
			AMP	A	B				
1 DWH-1		2250	30	2	2345		95	INTERIOR LTS	
3		2250	30	2	2610		360	EXTERIOR LTS AND TS	
5 PMP-1		3314	70	3		3518	120	204	PMP-2
7		3314	70	3	3314		120	0	SPARE
9		3314	70	3		3374	120	60	EF-1
11 SPARE		0	70	3		60	120	60	EF-2
13		0	70	3	2400		125	2400	HAND DRYER
15		0	70	3		2400	125	2400	HAND DRYER
17 RECEPT MEN,WOMENS R.R.		360	20	1		2360	2	30	2000
19 RECEPT EXTERIOR		360	20	1	2360		2	30	2000
21 RECEPT PUMP ROOM		360	20	1		360	1	20	0
23 SPARE		0	20	2		0	1	20	0
25		0	20	2	1500		1	20	1500
27 SPARE		0	20	2		0	1	20	0
29		0	20	2		0	1	20	0
31 SPARE		0			0		1	20	0
33 SPARE		0			0		1	20	0
35 SPARE		0			0		1	20	0
37 SPARE		0			0		3	30	0
39 SPARE		0			0		3	30	0
41 SPARE		0			0		3	30	0
		TOTAL LOAD:		26601		TOTAL AMPS:		73.9	



SINGLE LINE DIAGRAM
N.T.S.

SINGLE LINE NOTES

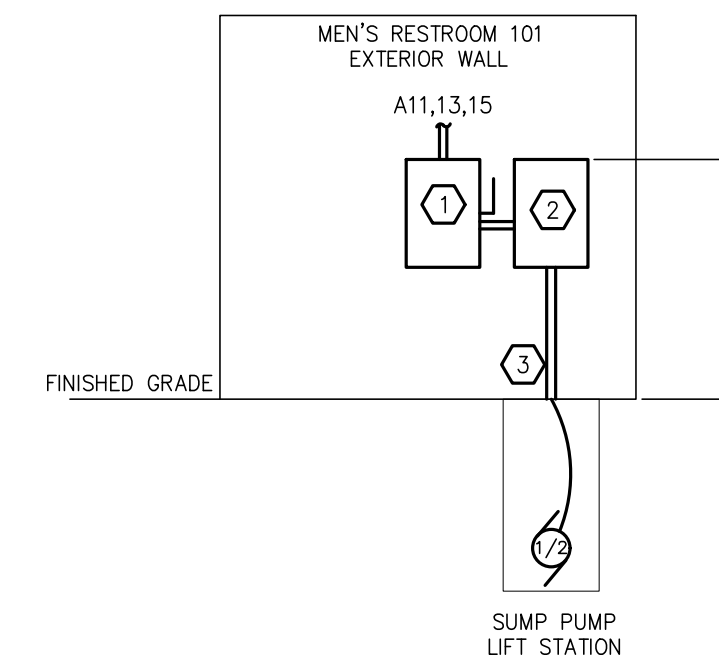
- ① 4#3/0-2°C
- ② 4#3/0+#4G-2°C
- ③ 4#10+#4G-3/4°C-SHORT AND STRAIGHT AS POSSIBLE.



GROUNDING ELECTRODE SYSTEM
N.T.S.

(ALSO PROVIDE #12 AWG BONDING CONNECTION TO INTERIOR GAS LINE PER NEC 250.104, AT AN ACCESSIBLE LOCATION NEAR GAS WATER HEATER IF INSTALLED, WHERE PERMITTED BY THE LOCAL AUTHORITY HAVING JURISDICTION.)

- ① GROUNDING ELECTRODE CONDUCTOR MAY BE ROUTED TO THE CLOSEST POINT OF THE GROUNDING ELECTRODE SYSTEM AND BONDED THERETO. BUILDING STEEL STRUCTURE IS A GROUNDING ELECTRODE IN THIS FACILITY.



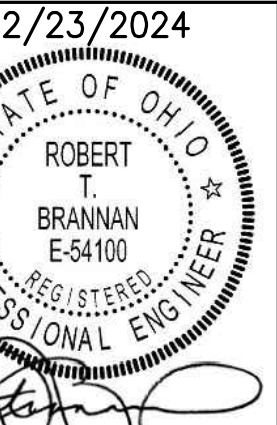
SUMP PUMP DETAIL
N.T.S.

DETAIL NOTES

- ① 30 AMP-240V-3P FUSES @ 15A NEMA 3R SWITCH. BOND AND GROUND PER NEC 250.
- ② ALARM CONTROL PANEL
- ③ 3 #12 + #12G - 2" RMC CONDUIT FOR FLOAT SWITCH AND PUMP
- ④ COORDINATE WITH PLUMBING CONTRACTOR BEFORE ROUGH-IN.



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8110 | Ph. 419.352.3542 | www.kleinfelder.com



02/23/2024	ROBERT T. BRANNAN	E-54100	PROFESSIONAL ENGINEER
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Scale	Date	Job No.	Designed by	Drawn by	Checked by	Approved by	Status
AS INDICATED	10/27/2023	24001561	TRD	TRD	JTH	RTB	REVISIONS
			4 ISSUED FOR BIDDING	03/01/2024			
			3 ISSUED FOR BUILDING PERMITS	02/23/2024			
			2 ISSUED FOR CONSTRUCTION	02/23/2024			
			1 ISSUED FOR ODR REVIEW	02/05/2024			

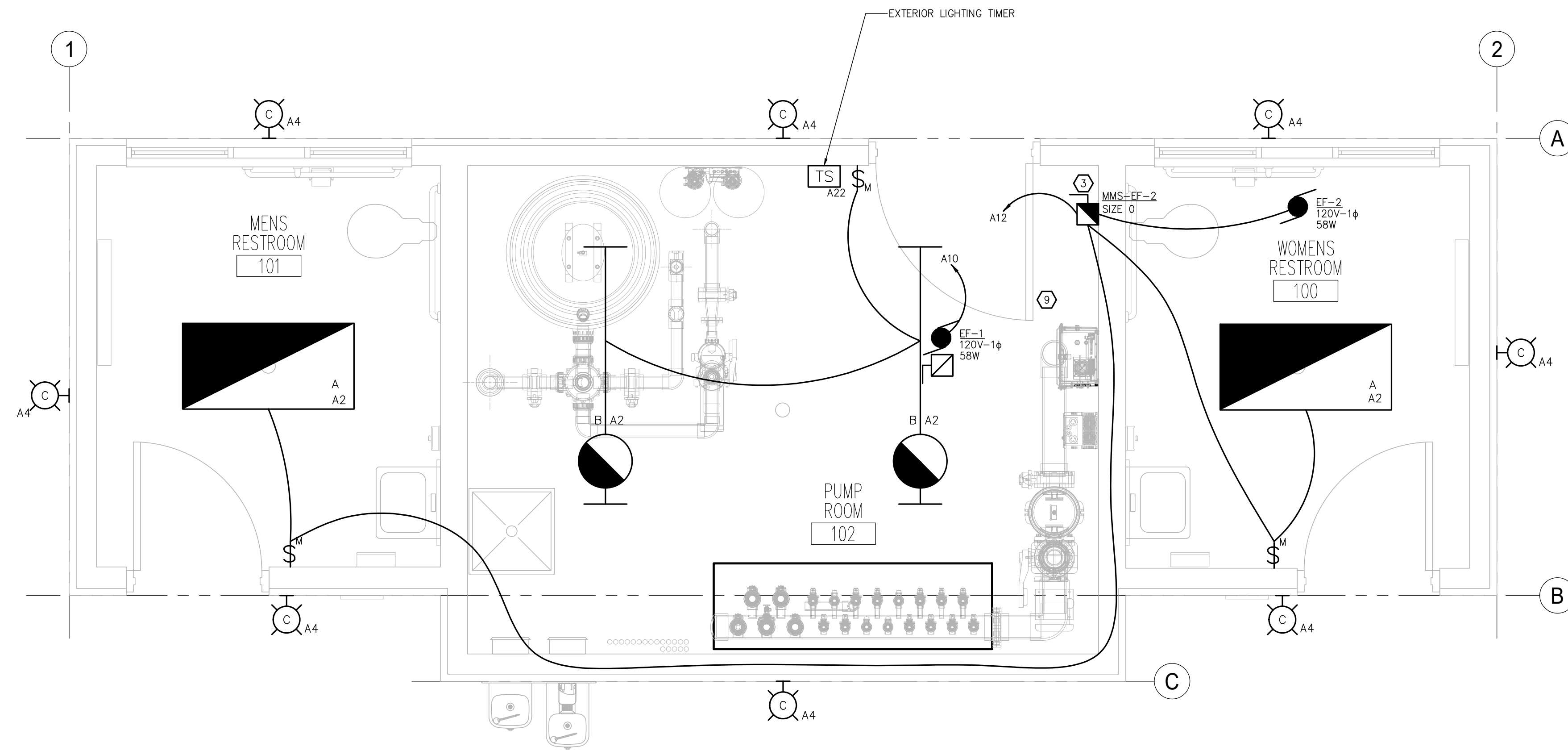
CITY OF FOSTORIA

FOSTORIA SPLASH PAD RESTROOM ADDITIONS

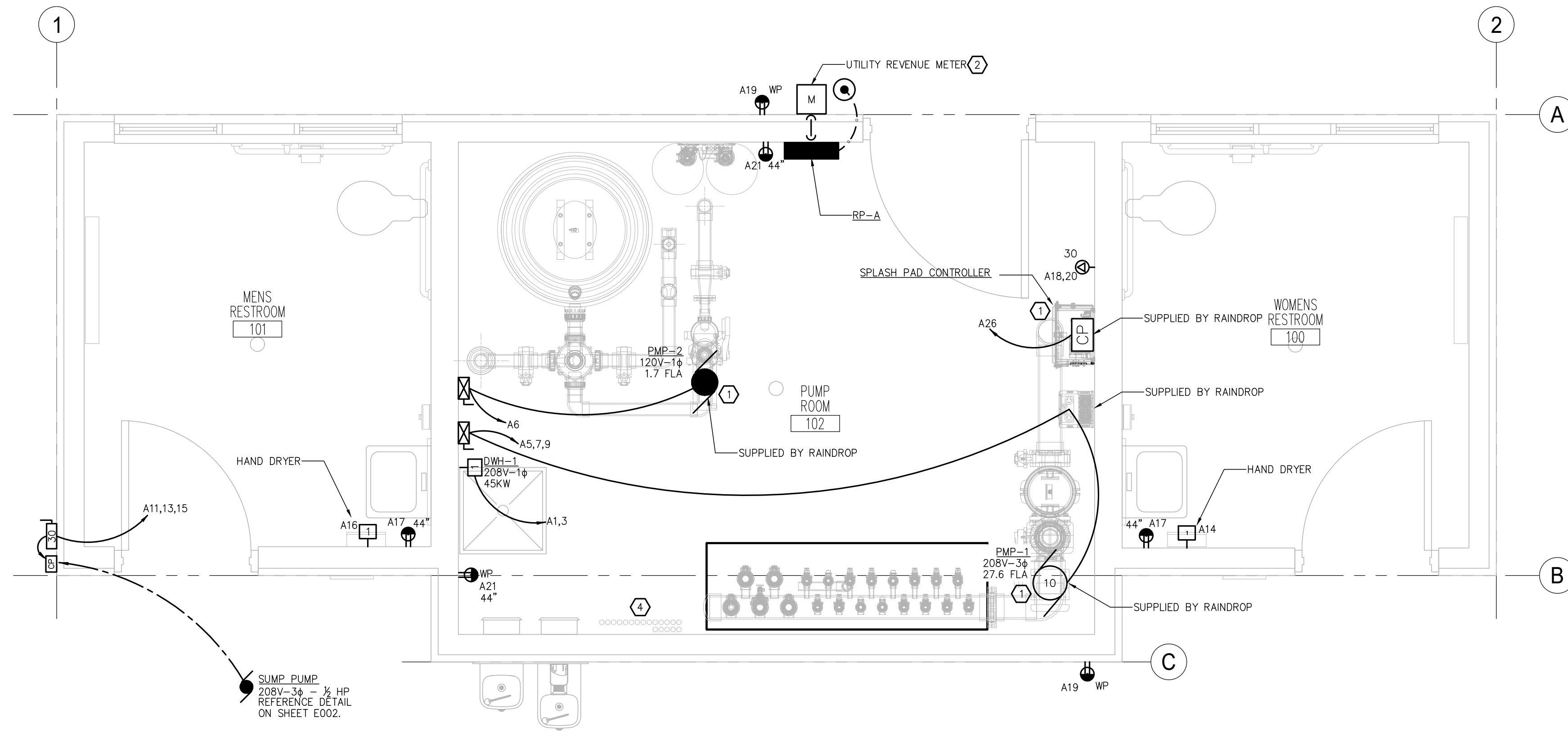
ELECTRICAL LEGEND, SCHED, DIAGRAMS, DETAILS

E002

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ELECTRICAL LIGHTING FLOOR PLAN
SCALE: 1/2" = 1'-0"



ELECTRICAL POWER FLOOR PLAN
SCALE: 1/2" = 1'-0"

SHEET NOTES

- 1 FINAL EQUIPMENT CONNECTION REQUIREMENTS SHALL BE VERIFIED BY ELECTRICAL CONTRACTOR PRIOR TO ELECTRICAL ROUGH-IN. REFER TO MANUFACTURERS DRAWINGS AND SPECIFICATIONS FOR INSTALLATION. PROVIDE WIRING AND GROUNDING PER NEC 250, 680 AND MANUFACTURERS REQUIREMENTS.
- 2 REFER TO SINGLE LINE DIAGRAM ON SHEET E002 FOR MORE INFORMATION.
- 3 E.C. SHALL PROVIDE A NEMA SIZE 0 (230V 2 POLE 1φ) MOTOR CONTACTOR SWITCH WITH 120V COIL THAT IS CONTROLLED FROM BOTH RESTROOM LIGHT SWITCHES. SQUARE D CAT# 8502SBG1V02C OREQ.
- 4 E.C. SHALL REFER TO RAINDROP DRAWINGS AND COORDINATE FOR ADDITIONAL CONDUIT ROUGH-IN INSTALLATION.



02/23/2024



Scale	Date	AS INDICATED	AS INDICATED
AS INDICATED	10/27/2023	AS INDICATED	AS INDICATED

Job No.	24001561
Designed by	TRD
Drawn by	TRD
Checked by	JTH
Approved by	RTB
Status	RTB

No.	Description	Date
4	ISSUED FOR BIDDING	03/01/2024
3	ISSUED FOR BUILDING PERMITS	02/23/2024
2	ISSUED FOR CONSTRUCTION	02/12/2024
1	ISSUED FOR CDNR REVIEW	02/05/2024

Scale	Date	AS INDICATED	AS INDICATED
AS INDICATED	10/27/2023	AS INDICATED	AS INDICATED

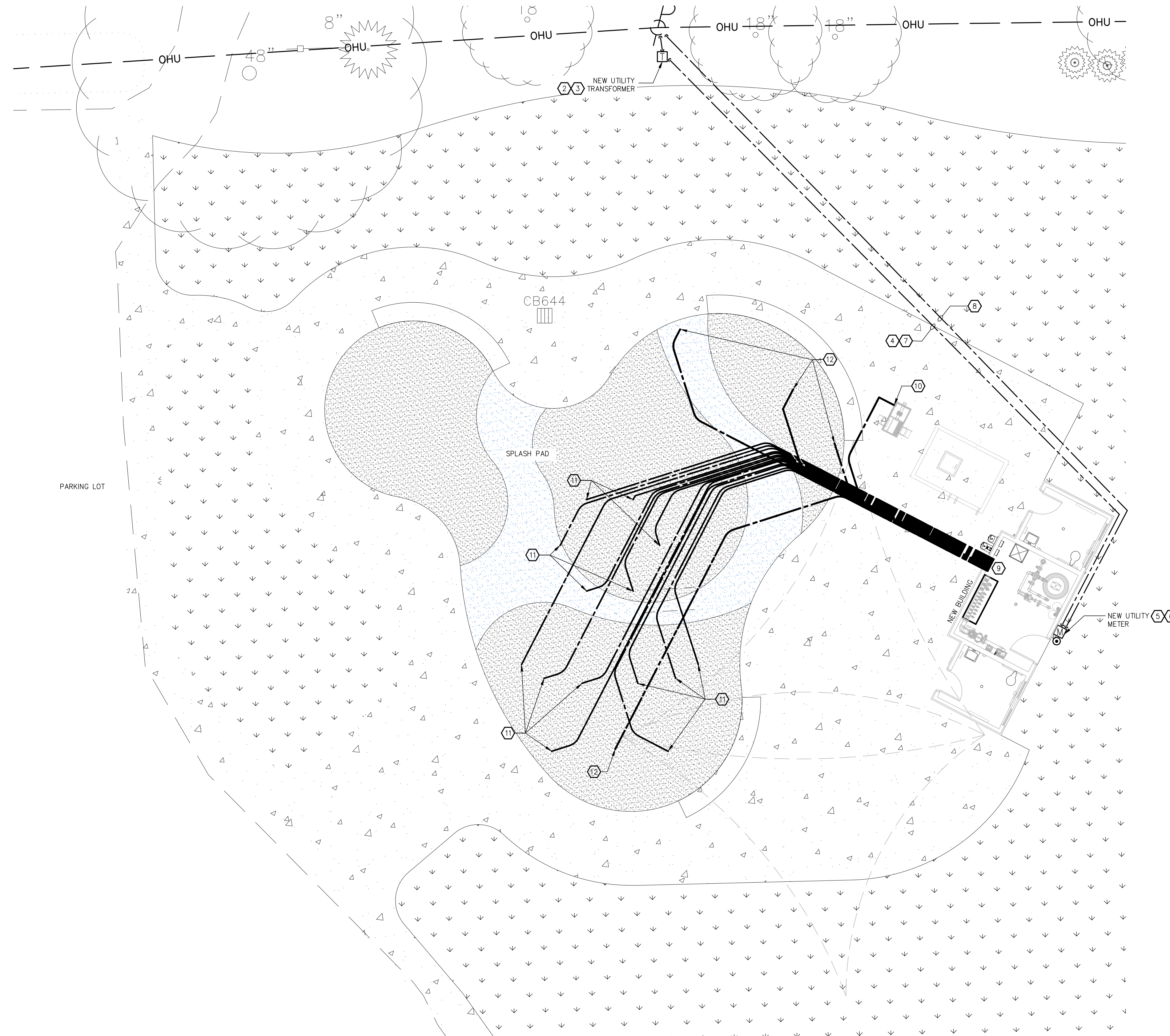
Job No.	24001561
Designed by	TRD
Drawn by	TRD
Checked by	JTH
Approved by	RTB
Status	RTB

No.	Description	Date
4	ISSUED FOR BIDDING	03/01/2024
3	ISSUED FOR BUILDING PERMITS	02/23/2024
2	ISSUED FOR CONSTRUCTION	02/12/2024
1	ISSUED FOR CDNR REVIEW	02/05/2024

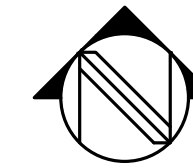
Scale	Date	AS INDICATED	AS INDICATED
AS INDICATED	10/27/2023	AS INDICATED	AS INDICATED

E101

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ELECTRICAL SITE POWER AND LIGHTING PLAN
SCALE: 1/8" = 1'-0"



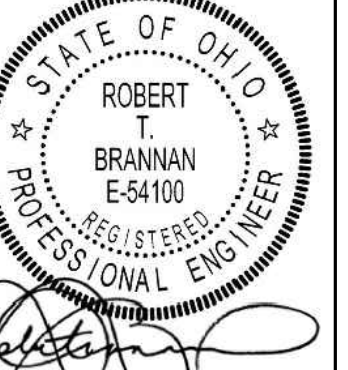
SHEET NOTES

- 1 FINAL EQUIPMENT CONNECTION REQUIREMENTS SHALL BE VERIFIED BY ELECTRICAL CONTRACTOR PRIOR TO ELECTRICAL ROUGH-IN. REFER TO MANUFACTURERS DRAWINGS AND SPECIFICATIONS FOR INSTALLATION. PROVIDE WIRING AND GROUNDING PER NEC 250, 680 AND MANUFACTURERS REQUIREMENTS.
- 2 PERFORM ALL SERVICE WORK IN ACCORDANCE WITH LOCAL ELECTRICAL UTILITY COMPANY SPECIFICATIONS AND PER APPROVED UTILITY COMPANY ENGINEERED WORK ORDERS.
- 3 PAD MOUNTED TRANSFORMER BY ELECTRICAL UTILITY COMPANY, CONCRETE PAD, GROUNDING AND PROTECTION BOLLARDS BY ELECTRICAL CONTRACTOR PER UTILITY COMPANY SPECIFICATIONS AND WORK ORDER FOR FINAL LOCATION AND PAD DESIGN.
- 4 PRIMARY SERVICE CABLES SUPPLIED AND INSTALLED BY ELECTRICAL UTILITY COMPANY. PRIMARY SERVICE CONDUITS, SECONDARY SERVICE CABLES, AND SECONDARY CONDUITS SUPPLIED AND INSTALLED BY E.C.
- 5 ELECTRICAL CONTRACTOR TO INSTALL METER BASE AND CONDUIT PER ELECTRICAL UTILITY COMPANY SPECIFICATIONS.
- 6 REFER TO SINGLE LINE DIAGRAM ON SHEET E002 FOR MORE INFORMATION.
- 7 NEW SECONDARY 4" PVC CONDUITS. LOCATE 24 INCHES BELOW GRADE MINIMUM. USE LONG SWEEP ELBOWS. INSTALL VIA DIRECT BORE OR HAND DUG TRENCH AND BACKFILL AS NOTED. WHERE HAND DUG BURY A CONTINUOUS PLASTIC WARNING TAPE 12" DIRECTLY ABOVE CONDUIT. REFERENCE SINGLE LINE FOR MORE INFORMATION.
- 8 NEW 2" PVC CONDUIT FOR DATA/TELEPHONE. LOCATE 12 INCHES BELOW GRADE MINIMUM. USE LONG SWEEP ELBOWS. INSTALL VIA DIRECT BORE OR HAND DUG TRENCH AND BACKFILL AS NOTED. WHERE HAND DUG BURY A CONTINUOUS PLASTIC MARKING TAPE 6" DIRECTLY ABOVE CONDUIT.
- 9 E.C. SHALL REFER TO RAINDROP DRAWINGS FOR DIMENSIONAL LOCATIONS FOR PLACEMENT. COORDINATE WITH RAINDROP FOR ADDITIONAL CONDUIT ROUGH-IN INSTALLATION OF CONDUITS FOR INTERIOR INSTALLATION.
- 10 E.C. SHALL PROVIDE 1" (PER NEC 40% FILL) CONDUIT WITH WITH 4C-6AWG FOR DIVER VALVE TO DMX CONTROLLER. COORDINATE TERMINATIONS OF CABLE WITH RAINDROP. INSTALL CONDUIT 12" BELOW GRADE.
- 11 E.C. SHALL PROVIDE 3/4" CONDUIT FROM DMX CONTROLLER TO LED FEATURES. TYPICAL 14 PLACES. CABLE IS SUPPLIED AND INSTALLED BY RAINDROP. PROVIDE PULL STRING IN CONDUITS FOR OTHERS. INSTALL CONDUIT 12" BELOW GRADE.
- 12 E.C. SHALL PROVIDE 1" CONDUIT FROM ACTIVATOR TO DMX CONTROLLER. TYPICAL 4 PLACES. CABLE IS SUPPLIED AND INSTALLED BY RAINDROP. PROVIDE PULL STRING IN CONDUITS FOR OTHERS. INSTALL CONDUIT 12" BELOW GRADE.



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02/23/2024



Scale	AS INDICATED	Date	Job No.	Designed by	Drawn by	Checked by	Approved by	Status
	10/27/2023		24001561	TRD	JTH	RTB		
				TRD	JTH	RTB		
				TRD	JTH	RTB		
				TRD	JTH	RTB		
				TRD	JTH	RTB		

CITY OF FOSTORIA
**FOSTORIA SPLASH PAD
RESTROOM ADDITIONS**
ELECTRICAL POWER AND LIGHTING SITE PLAN

Client
Project
Drawing

E102

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