

**City of Puyallup
Building
REVIEWED
FOR
COMPLIANCE**

RayC
11/21/2024
10:13:16 AM



Special inspection is specified per the engineering design and code standards see Sheet S-1 for details.

WABO certified special inspection is required, unless other wise approved per chapter 17 of the IBC.

Geo-technical inspections; See Geo-technical report dated January 11 2024 by Earth Solutions NW, LLC for inspection recommendations by the Geo-technical engineering report. Provide reports for City inspection review.

Approval of submitted plans is not an approval of omissions or oversight by this office or noncompliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable building codes and regulations of the local government.

THE APPROVED CONSTRUCTION PLANS AND ALL ENGINEERING MUST BE POSTED ON THE JOB AT ALL INSPECTIONS IN A VISIBLE AND READILY ACCESSIBLE LOCATION.
PRINT in COLOR and to SCALE.

PRCA20241630

SYMBOLS LEGEND

ROOM IDENTIFICATION	XXX XXX
DOOR NUMBER	XXX
WINDOW NUMBER	◇
EQUIPMENT NUMBER	XX
WALL TYPE	XX —
CENTERLINE	CL
NORTH ARROW	↑
DATUM	⊕
REVISION	#
COLUMN GRID/LINE	X
ENLARGED DETAIL MARK	X A.#.#.#
BUILDING SECTION MARK	X A.X
DETAIL MARK	X A.#.#.#
EXTERIOR ELEVATIONS SYMBOL	X A.X

LIST OF DRAWINGS

GENERAL	G0.1 PROJECT INFORMATION
CIVIL (REFERENCE ONLY)	C5-101 SANITARY SEWER PLAN C6-101 WATER PLAN C7-101 JOINT UTILITY TRENCH PLAN
ARCHITECTURAL	A1.1 OVERALL SITE PLAN A1.2 SITE PLAN - FOUNTAIN A1.3 SITE PLAN - LANDSCAPE
STRUCTURAL	S1 GENERAL NOTES S2 WATER & PLANTER
FOUNTAIN DESIGN	TS PERMIT WATER FEATURE DRAWING

2021 IBC REFERENCE

CHAPTER 3: USE AND OCCUPANCY CLASSIFICATION
312.1 ...MISCELLANEOUS GROUP U... STRUCTURES OF AN ACCESSORY CHARACTER...NOT CLASSIFIED IN ANY SPECIFIC OCCUPANCY...INCLUDING RETAINING WALLS

CODE/ZONING INFORMATION

GOVERNING CODE
2021 INTERNATIONAL BUILDING CODE
2021 WASHINGTON STATE ENERGY CODE, COMMERCIAL
ADOPTED BY WA STATE BUILDING CODE COUNCIL
AND ANY CITY OF PUYALLUP ORDINANCE

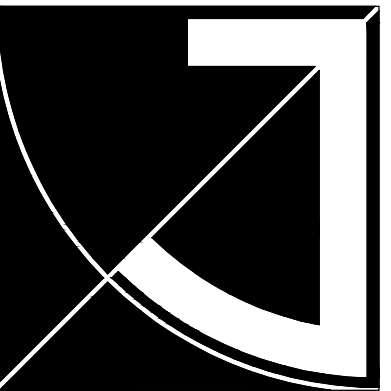
ZONING
FAIR
HEIGHT LIMIT: 50'

PROJECT INFORMATION

PROJECT NAME
WASHINGTON STATE FAIR
GOLD GATE - FOUNTAIN
PROJECT ADDRESS
110 9TH AVE SW
PUYALLUP, WA 98371
PROJECT DESCRIPTION
INSTALL FOUNTAIN WITHIN GOLDGATE PLAZA
TAX PARCEL NUMBER
0420331121
LEGAL DESCRIPTION
Section 33 Township 20 Range 04 Quarter 11 : NE OF NE & N 1/2 OF SE OF NE LY ELY OF 5TH ST & W OF STATE HWY LESS RDS TOG/W 1/2 5TH ST SW ABUTT VAC BY ORD 2845 EASE OF RECORD PER ETN 527237 ALSO EXC POR CYD TO CY OF PUYALLUP FOR ADD'L R/W PER ETN 4529976 OUT OF & COMB 1-000, 1-017, 1-019, 1-020, 1-031, 1-045, 1-055, 1-101, 1-103 & 1-105 [DCPPJES9-16-80] DC12/12/08JU 10668175DC 6/5/2020B8
DEFERRED PERMITS
ELECTRICAL (L&I)

PROJECT DIRECTORY

THE OWNER WASHINGTON STATE FAIR MARTY MATTES [COO] 110 9TH AVE SW PUYALLUP, WA 98371 marty@thefair.com 253.841.5356	CONTRACTOR ABSHER CONSTRUCTION CURT GIMMESTAD [VP] 1001 SHAW ROAD PUYALLUP, WA 98371 curt.gimmestad@absherc.com 253.845.9544
FOUNTAIN DESIGN TURNSTONE CONSTRUCTION, INC ANDREW DORNAN 7004 180TH AVE NE, #101 REDMOND, WA 98052 adornan@turnstoneconstruction.com	CIVIL ENGINEER JMJ TEAM JUSTIN JONES, PE 905 MAIN ST, SUITE 200 SUMNER, WA 98390 justin@jnjteam.com
THE ARCHITECT JEFF BROWN ARCHITECTURE, LLC JEFF BROWN, ARCHITECT, AIA SONGYI CHO [CONTACT PERSON] 12181 C STREET S TACOMA, WA 98444 songyi.cho@hotmail.com 509.432.4651	STRUCTURAL ENGINEER CHRIS FYNBOE, P.E. CHRIS FYNBOE 12181 C STREET S TACOMA, WA 98444 ccfynboe@cs.com 253.537.8128

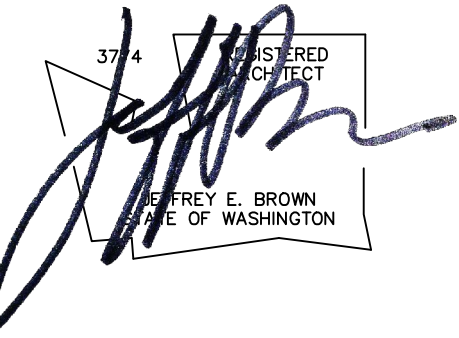


**JEFF BROWN
ARCHITECTURE**

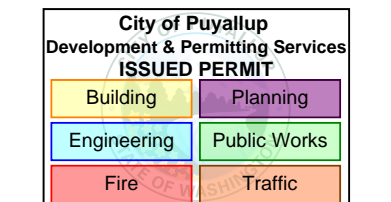
JEFF BROWN ARCHITECTURE
12181 C STREET SOUTH
TACOMA, WA 98444

PROJECT LEAD

JEFFREY E. BROWN
253.606.8324
jeff@jeffbrownarchitecture.com



PROJECT NAME/ADDRESS



WASHINGTON STATE FAIR
GOLD GATE - FOUNTAIN
110 9TH AVE SW
PUYALLUP, WA 98371

DRAWING TYPE

**PERMIT
DOCUMENTS**

ISSUE DATE	ISSUE DESCRIP.	NO.
10.11.24	PERMIT	

SHEET TITLE

**GENERAL
INFORMATION**

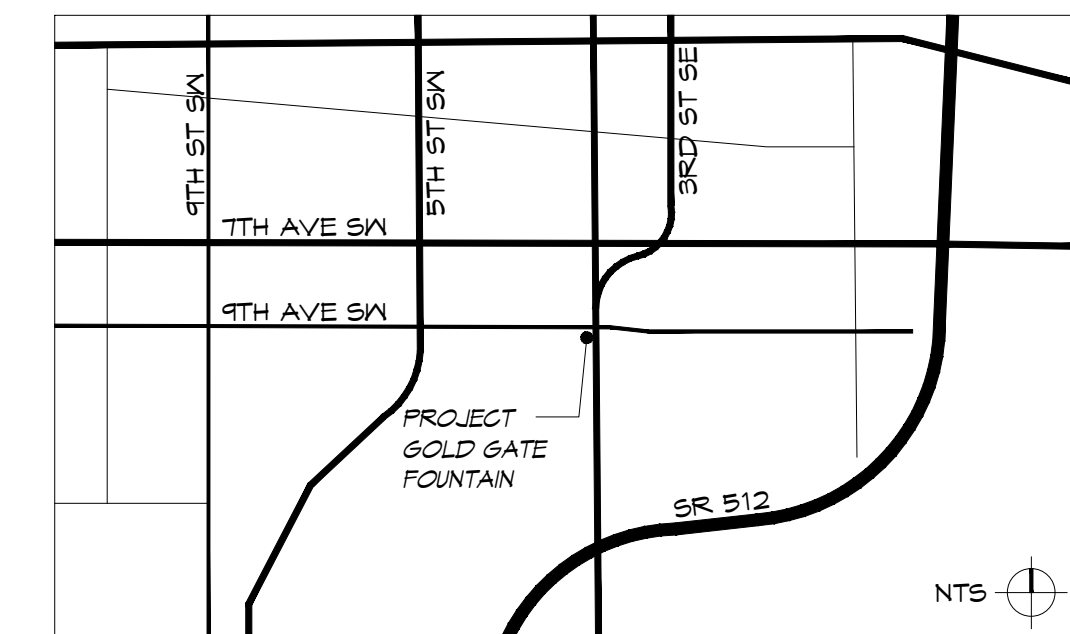
SHEET #

G0.1

GENERAL NOTES

- CODE CONFLICTS**
ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH MOST CURRENT APPLICABLE CODE AND ORDINANCES OF PIERCE COUNTY
- DISCREPANCY**
IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPORT DISCREPANCIES FOUND WITHIN THESE DOCUMENTS TO THE ARCHITECT AS SOON AS THEY ARE DISCOVERED
- SCALING DRAWINGS**
DO NOT SCALE THE DRAWINGS. CONTACT ARCHITECT WITH ANY CONFLICTS
- DIMENSIONS**
DIMENSIONS ARE TO FACE OF STUD AND FACE OF CONC. U.N.O. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, EXISTING CONDITIONS, AND MEMBER SIZES PERTAINING TO THE WORK PRIOR TO PROCEEDING. ALL DIMENSIONS OF EXISTING CONDITIONS SHOWN ON THE DRAWINGS ARE INTENDED AS GUIDELINES ONLY AND MUST BE VERIFIED. THE ARCHITECT MUST BE NOTIFIED IN WRITING OF ANY VARIATION FROM THE DIMENSIONS AND/OR CONDITIONS SHOWN ON THESE DRAWINGS.
- DOORS AND WINDOWS**
ALL WINDOW AND DOOR SIZES SHALL BE VERIFIED AND FIELD MEASURED PRIOR TO FABRICATION
- EXISTING CONDITIONS**
THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AT THE SITE AND SHALL NOTIFY ARCHITECT IMMEDIATELY OF ANY UNCERTAINTIES OR DISCREPANCIES WITHIN THESE DOCUMENTS
CONTRACTOR SHALL PROTECT THE EXISTING SITE WORK, LANDSCAPING, AND AREAS OF THE SITE NOT IN THE SCOPE OF WORK
- DEMOLITION**
CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS BEFORE COMMENCING ANY DEMOLITION. DEMOLITION DEBRIS SHALL NOT BE ALLOWED TO DAMAGE OR OVERLOAD THE EXISTING STRUCTURE. PROTECT EXISTING STRUCTURE TO REMAIN
- HEALTH AND SAFETY**
CONTRACTOR SHALL BE RESPONSIBLE FOR SAFETY PRECAUTIONS AND THE MEANS AND METHODS TO PERFORM THE WORK
CONTRACTOR SHALL PROVIDE TEMPORARY BRACING FOR THE STRUCTURE AND STRUCTURAL COMPONENTS UNTIL ALL FINAL CONNECTIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE PLANS
- QUALITY STANDARDS**
ALL CONSTRUCTION SHALL MEET OR EXCEED INDUSTRY STANDARDS. DETAILS ARE PROVIDED FOR MINIMUM QUALITY AND TO GIVE STANDARDS OF CONSTRUCTION. IF CONDITION IS NOT SPECIFICALLY DETAILED, SUBMIT A DETAIL FOR GUIDANCE AND REVIEW FOR ACCEPTANCE.
CONTRACTOR SHALL PROVIDE BLOCKING AS REQUIRED FOR ALL CASEWORK, FIXTURE, AND SPECIALTY ITEMS.

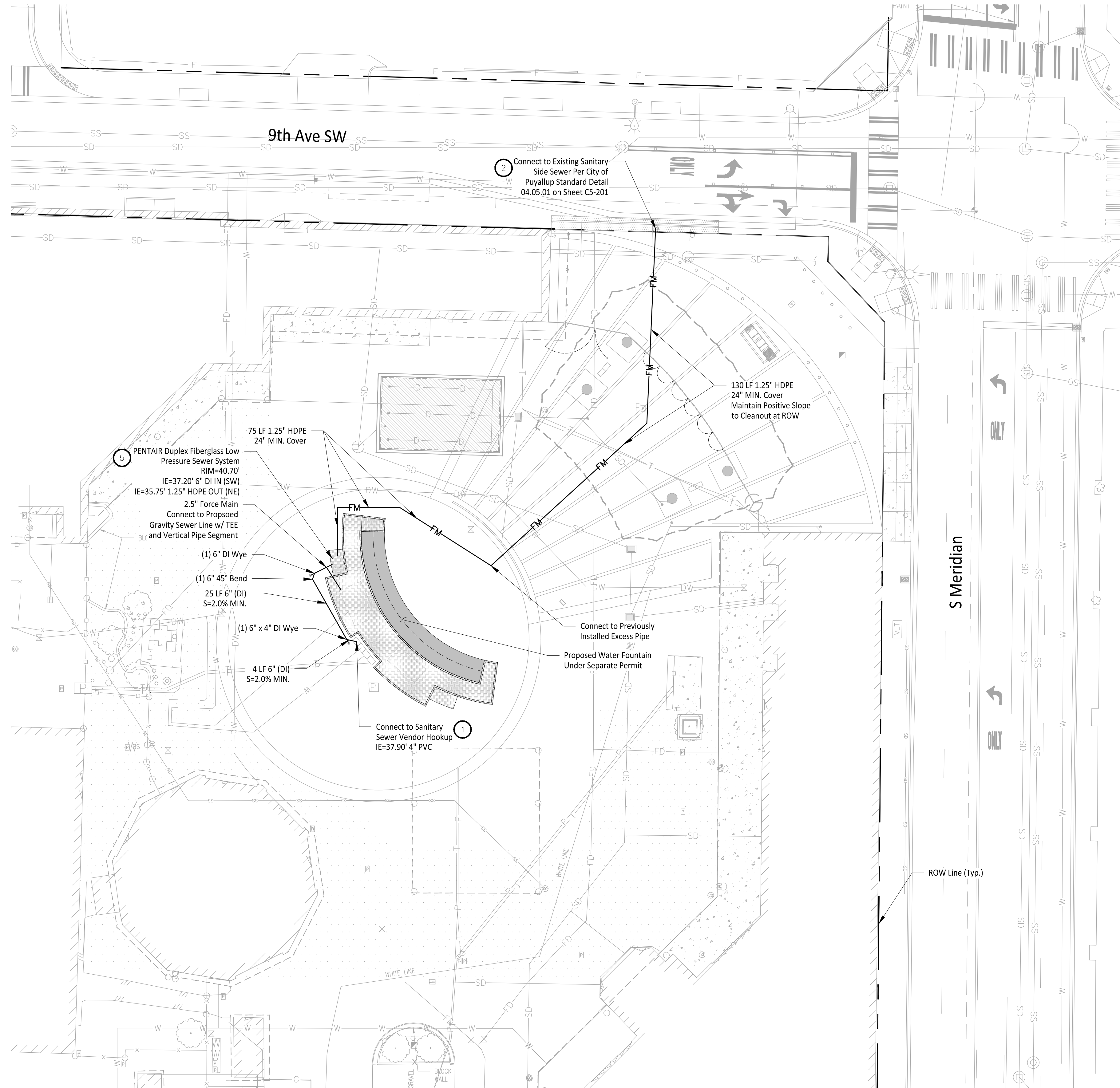
LOCATION MAP



ABBREVIATIONS

&	AND	GWB	GYPSUM WALL BOARD
<	ANGLE	HDR	HEADER
@	AT	INT.	INTERIOR
°	DEGREE	MFR	MANUFACTURE
∅	DIAMETER	NTS	NOT TO SCALE
B/W	BETWEEN	O.C.	ON CENTER
BLCK	BLOCKING	RC	RAIN CHAIN
€	CENTERLINE	PW, PLW	PLY WOOD
APP.	APPROXIMATE(LY)	REF	REFRIGERATOR
CLR.	CLEAR(ANCE)	SCHD	SCHEDULE
C.O.	CLEAR OPENING	SHTG	SHEATHING
COL.	COLUMN	S.D.	SMOKE DETECTOR
CONC.	CONCRETE	TEM	TEMPER/SAFETY
C.J.	CONTROL JOINT		GLASS
DEMO	DEMOLISH (ION)	T.O.BM	TOP OF BEAM
DN	DOWN	T.O.P.	TOP OF PLATE
DIM	DIMENSION	T.O.S.	TOP OF STEEL
D/W	DISH WASHER	TYP.	TYPICAL
ELEC.	ELECTRIC (AL)	U.N.O.	UNLESS NOTICED
E.Q.	EQUAL		OTHERWISE
E.J.	EXPANSION JOINT	VIF	VERIFY IN FIELD
EXT.	EXTERIOR	WIN	WINDOW
F.O.F.	FACE OF FINISH	W.T.	WEATHER THRESHOLD
F.F.	FINISH FLOOR	W/	WITH
FT	FOOT (FEET)	W/O	WITHOUT
FTG	FOOTING	WD	WOOD
FND	FOUNDATION		

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CONSTRUCTION NOTES

- Domestic Water Service and Sanitary Sewer Vendor Hook Ups to be Installed per Detail A on Sheet C5-201
- Install Commercial Side Sewer Connection per City of Puyallup Standard Detail 04.03.04 on Sheet C4-201.
- Contractor to install foam pad between pipe crossings with less than 18" of vertical clearance. The pad shall be O.D. x O.D. x 2.5 inches thick minimum or as required to protect the pipes. Above O.D. is equal to the outside diameter of the larger pipe. The pad shall be a polyethylene foam plank (Dow Plastics Ethafoam 220), or approved equal. See Detail B on Sheet C5-201 for detail, and Sheet C6-201 for City of Puyallup Utility Crossing Standard Details.
- Install Cleanout per City of Puyallup Standard Detail 04.03.04 on Sheet C4-201.
- Install PENTAIR Duplex fiberglass Low Pressure Sewer System per specifications on Sheets C5-201 and C5-202.

GENERAL NOTES

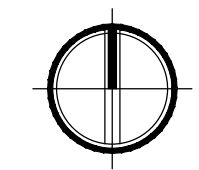
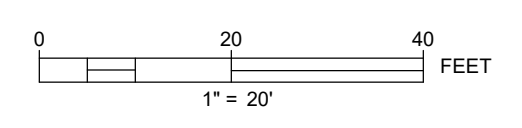
- Contractor to Pothole, Locate Horizontal and Vertical Utilities and Verify with Engineer prior to any Utility Work.

REFERENCE ONLY

APPROVED

BY _____
 CITY OF PUYALLUP
 DEVELOPMENT ENGINEERING
 DATE _____

NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.
 THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.
 FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE DEVELOPMENT ENGINEERING MANAGER.



CALL TWO BUSINESS DAYS BEFORE YOU DIG
 1-800-424-5555
 UTILITIES UNDERGROUND LOCATION CENTER

Owner/Developer:

Washington STATE FAIR
 PUYALLUP

Washington State Fair
 110 9th Ave SW
 Puyallup, WA 98371
 (253) 841-5356

Architect:

Jeff Brown Architecture
 12181 C Street South
 Tacoma, WA 98444
 (253) 606-8324
 Contact: Jeff Brown

Engineer:



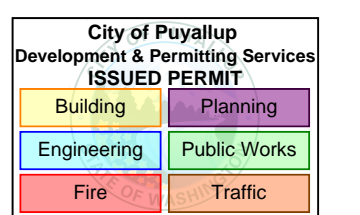
Justin Jones, PE
 905 Main St. Suite 200
 Sumner, WA 98390
 (206) 596-2020

Project:

**WSF Gold Gate
 Redevelopment**

Civil Construction
 Permit

ONE INCH AT FULL SCALE.
 IF NOT, SCALE ACCORDINGLY



REV	DATE	DESCRIPTION
1	03-04-24	City Comment Revision #1
2	04-18-24	City Comment Revision #2

DRAWN BY:	DM	DESIGN BY:	JJ
PROJ. NO.:	1507-012		
DATE:	April 30, 2024		
SHEET NAME:	Sanitary Sewer Plan		

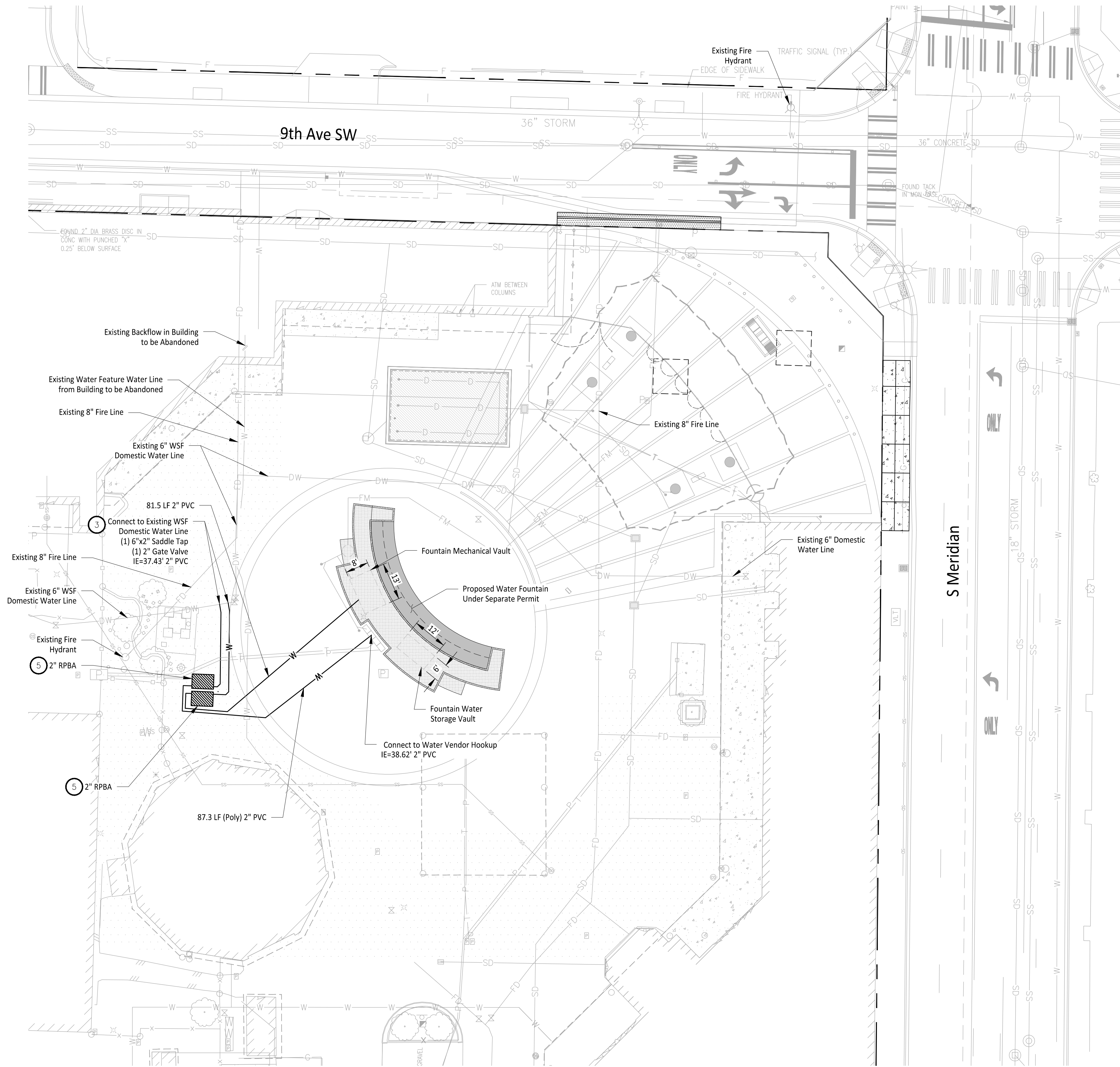
PROJ. NO. 1507-012
 DATE April 30, 2024
 SHEET NAME

**Sanitary Sewer
 Plan**

DWG.

C5-101
 22 OF 27

File: 1507012C-UT-WTR.dwg Path: C:\Users\DerekMankato\My Documents\Projects - General\1507 - Washington State Fair\1507-012 Gold Gate CAD\ Plotted by: DerekMankato Date: 17-Oct-24 3:10:44pm



CONSTRUCTION NOTES

- 1 Domestic Water Service and Sanitary Sewer Vendor Hook Ups to be Installed per Detail A on Sheet C6-201
- 2 Use Vertical Bends as Necessary to Install Water Pipe, Allowing Clearances from City of Puyallup Standard Details 03.01.03-1 & 03.01.03-2.
- 3 Wet Tap to be Installed for Connection to Existing WSF Domestic Water Line per Detail B on Sheet C6-201.
- 4 Contractor to install foam pad between pipe crossings with less than 18" of vertical clearance. The pad shall be O.D. x O.D. x 2.5 inches thick minimum or as required to protect the pipes. Above O.D. is equal to the outside diameter of the larger pipe. The pad shall be a polyethylene foam plank (Dow Plastics Ethafoam 220), or approved equal. See Detail B on Sheet C5-201 for detail, and Sheet C6-201 for City of Puyallup Utility Crossing Standard Details.
- 5 Reduced Pressure Backflow Assembly to be installed Per City of Puyallup Standard Detail 03.04.02 on Sheet C6-202.
- 6 Fountain to drain to Sewer

GENERAL NOTES

1. Contractor to Pothole, Locate Horizontal and Vertical Utilities and Verify with Engineer prior to any Utility Work.

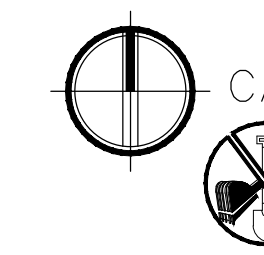
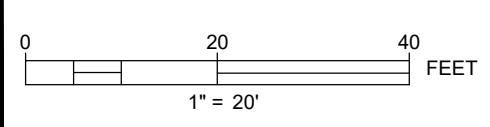
REFERENCE ONLY

APPROVED

BY _____
CITY OF PUYALLUP
DEVELOPMENT ENGINEERING

DATE _____

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Washington State Fair
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Puyallup, WA 98371
(253) 841-5356

Architect:
Jeff Brown Architecture
12181 C Street South
Tacoma, WA 98444
(253) 606-8324
Contact: Jeff Brown

Engineer:

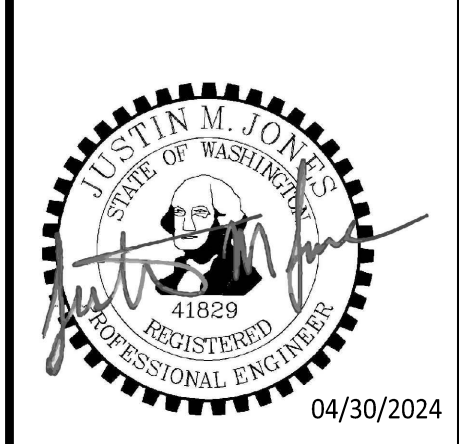
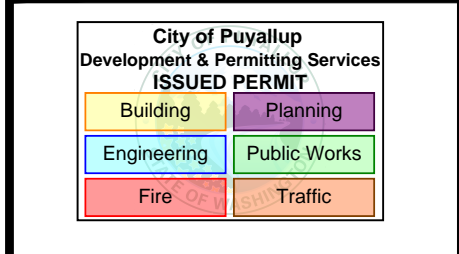


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905 Main St. Suite 200
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Project:
**WSF Gold Gate
Redevelopment**

Civil Construction
Permit

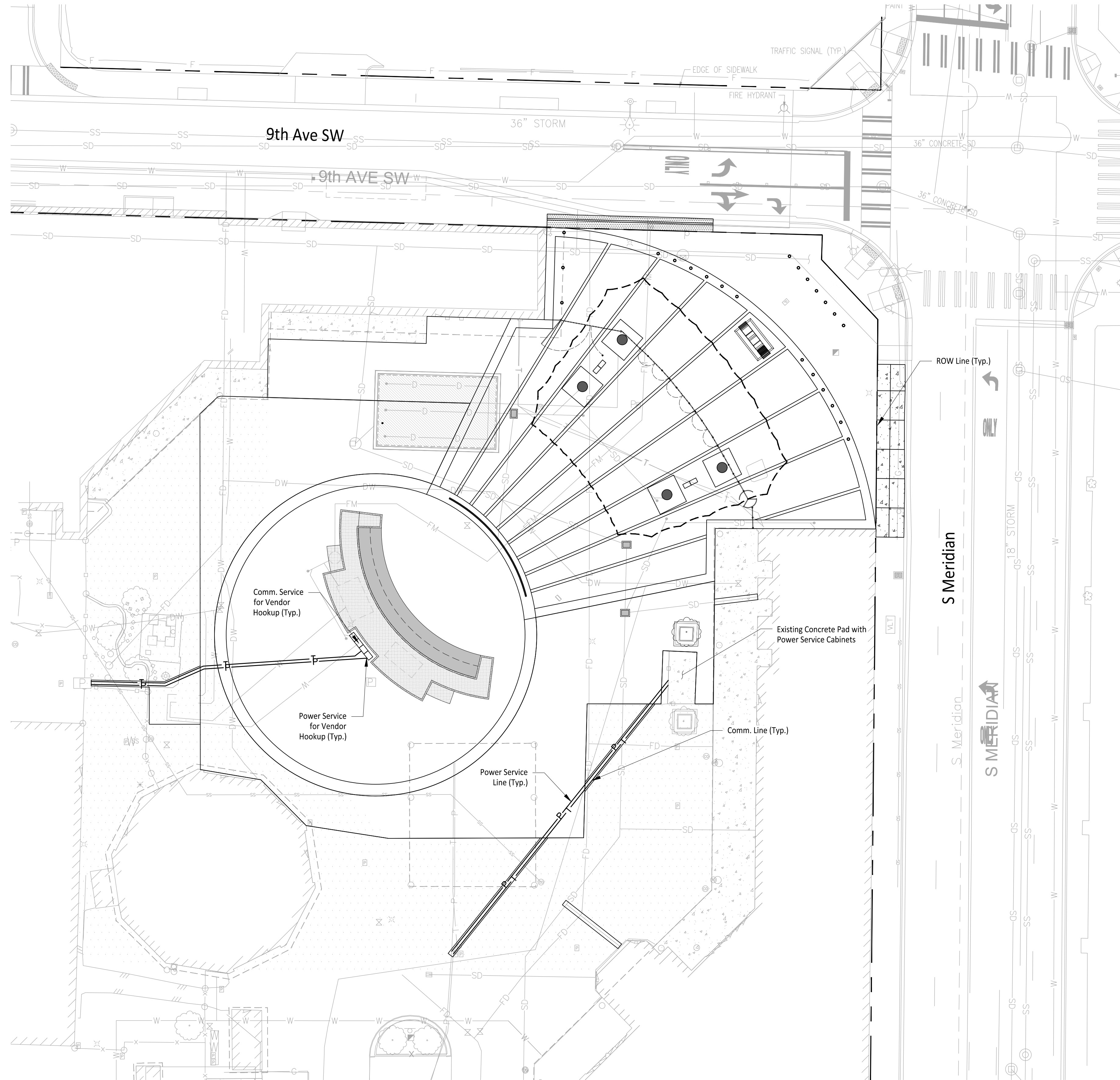
ONE INCH AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY



REV	DATE	DESCRIPTION
1	03-04-24	City Comment Revision #1
2	04-18-24	City Comment Revision #2

DRAWN BY:	DM	DESIGN BY:	JJ
PROJ. NO.:	1507-012		
DATE:	April 30, 2024		
SHEET NAME:	Water Plan		

DWG. **C6-101**



LEGEND

- Proposed Power Line
- Proposed Communication Line

GENERAL NOTES

1. Proposed Power Services to be served from Existing Vaults on-site. Service Lines to maintain minimum 3' of cover from finish grade.
 - 1.1. Proposed Power Service = 415 LF.
2. Communication Data lines to be served from Existing Communication lines on-site. Communications lines to maintain minimum of 2' of cover from finish grade.
 - 2.1. Proposed Communication Lines = 405 LF.

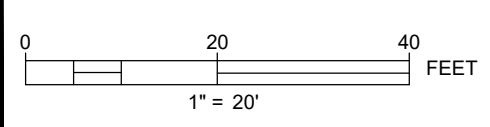
REFERENCE ONLY

APPROVED

BY: _____
 CITY OF PUYALLUP
 DEVELOPMENT ENGINEERING

DATE: _____

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 UTILITIES UNDERGROUND LOCATION CENTER

Owner/Developer:

Washington
STATE FAIR
 PUYALLUP

Washington State Fair
 110 9th Ave SW
 Puyallup, WA 98371
 (253) 841-5356

Architect:

Jeff Brown Architecture
 12181 C Street South
 Tacoma, WA 98444
 (253) 606-8324
 Contact: Jeff Brown

Engineer:



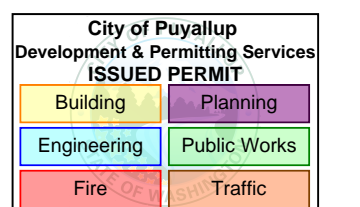
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 (206) 596-2020

Project:

**WSF Gold Gate
 Redevelopment**

**Civil Construction
 Permit**

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DRAWN BY: **DM** DESIGN BY: **JJ**

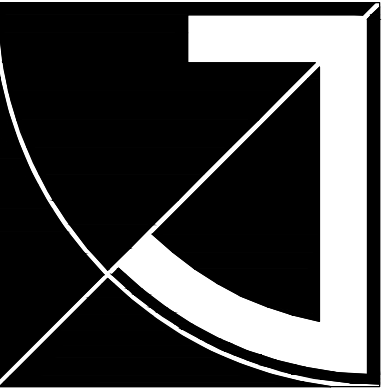
PROJ. NO: **1507-012**

DATE: **April 30, 2024**

SHEET NAME

**Joint Utility
 Trench Plan**

DWG. **C7-101**
 27 OF 27

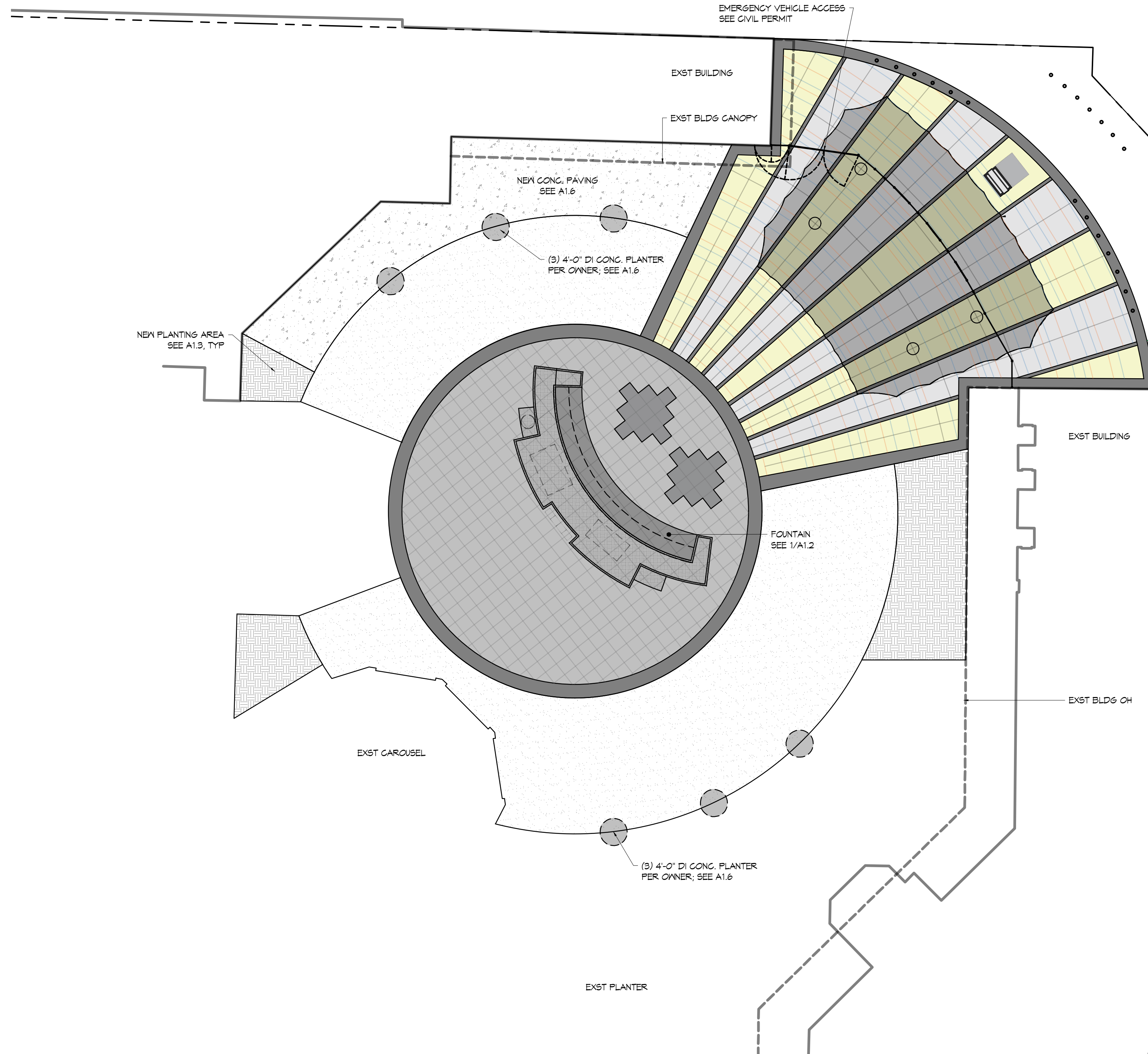
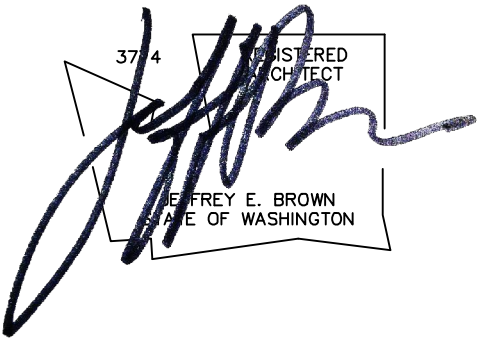


JEFF BROWN ARCHITECTURE

JEFF BROWN ARCHITECTURE
12181 C STREET SOUTH
TACOMA, WA 98444

PROJECT LEAD

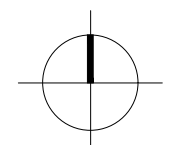
JEFFREY E. BROWN
253.606.8324
jeff@jeffbrowarchitecture.com



SEE FOLLOWING PERMIT FOR

- CANOPY & PLAZA LAYOUT (BLDG)
- PER PERMIT # PRNG20231607 (GOLD GATE)
- CIVIL PERMIT (INCLUDING UNDERGROUND UTILITY)
PRGCP20231620
- FENCE PERMIT
PRFN20241193

SITE PLAN - OVERALL
(11X17) SCALE: 1" = 40'-0"
(22X34) SCALE: 1" = 20'-0"



PROJECT NAME/ADDRESS

City of Puyallup Development & Permitting Services ISSUED PERMIT	
Building	Planning
Engineering	Public Works
Fire	Traffic

**WASHINGTON STATE FAIR
GOLD GATE - FOUNTAIN**

110 9TH AVE SW
PUYALLUP, WA 98371

DRAWING TYPE

PERMIT DOCUMENTS

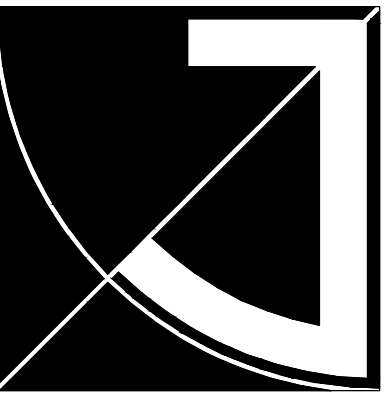
ISSUE DATE	ISSUE DESCRIP.	NO.
10.11.24	PERMIT	

SHEET TITLE

**SITE PLAN
OVER ALL**

SHEET #

A1.1



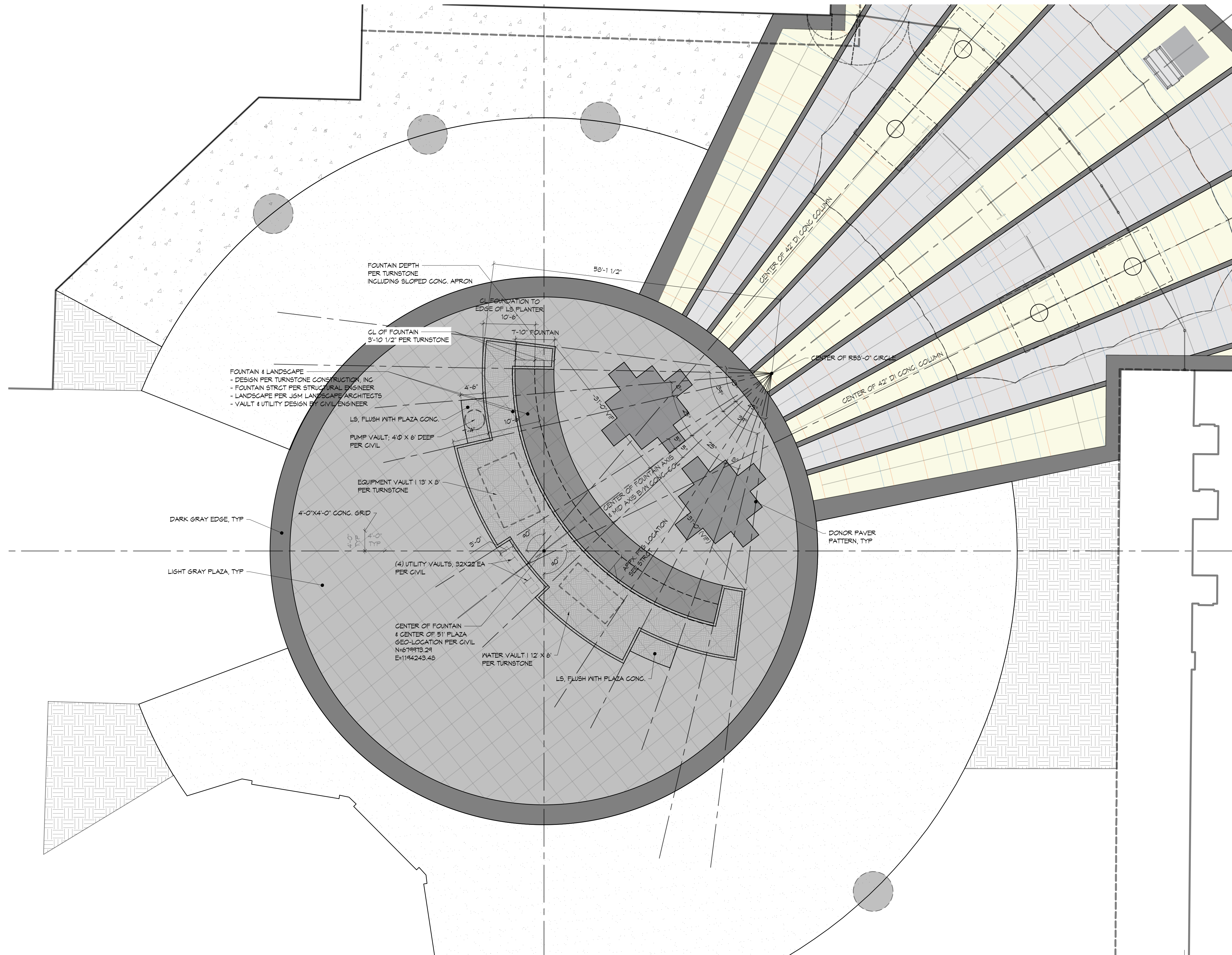
JEFF BROWN ARCHITECTURE

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12181 C STREET SOUTH
TACOMA, WA 98444

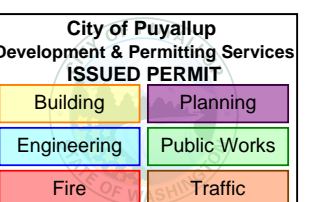
PROJECT LEAD

JEFFREY E. BROWN
253.606.8324
jeff@jeffbrownarchitecture.com

374 REGISTERED ARCHITECT
Jeffrey E. Brown
JEFFREY E. BROWN
STATE OF WASHINGTON



PROJECT NAME/ADDRESS



**WASHINGTON STATE FAIR
GOLD GATE - FOUNTAIN**
110 9TH AVE SW
PUYALLUP, WA 98371

DRAWING TYPE

PERMIT DOCUMENTS

ISSUE DATE	ISSUE DESCRIP.	NO.
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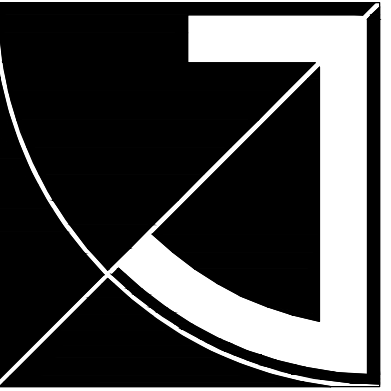
SHEET TITLE

**SITE PLAN
FOUNTAIN**

SHEET #

A1.2

SITE PLAN - FOUNTAIN
(11x17) SCALE: 1" = 20'
(22x34) SCALE: 1" = 10'

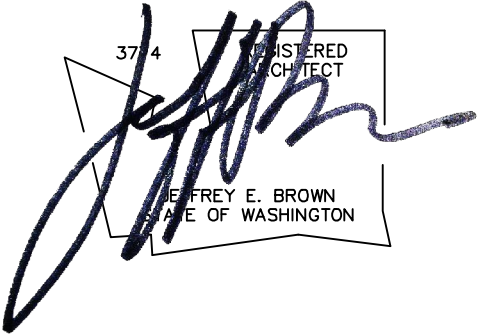


JEFF BROWN ARCHITECTURE

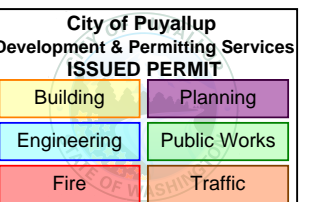
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PROJECT LEAD

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PROJECT NAME/ADDRESS



**WASHINGTON STATE FAIR
GOLD GATE - FOUNTAIN**

110 9TH AVE SW
PUYALLUP, WA 98371

DRAWING TYPE

PERMIT DOCUMENTS

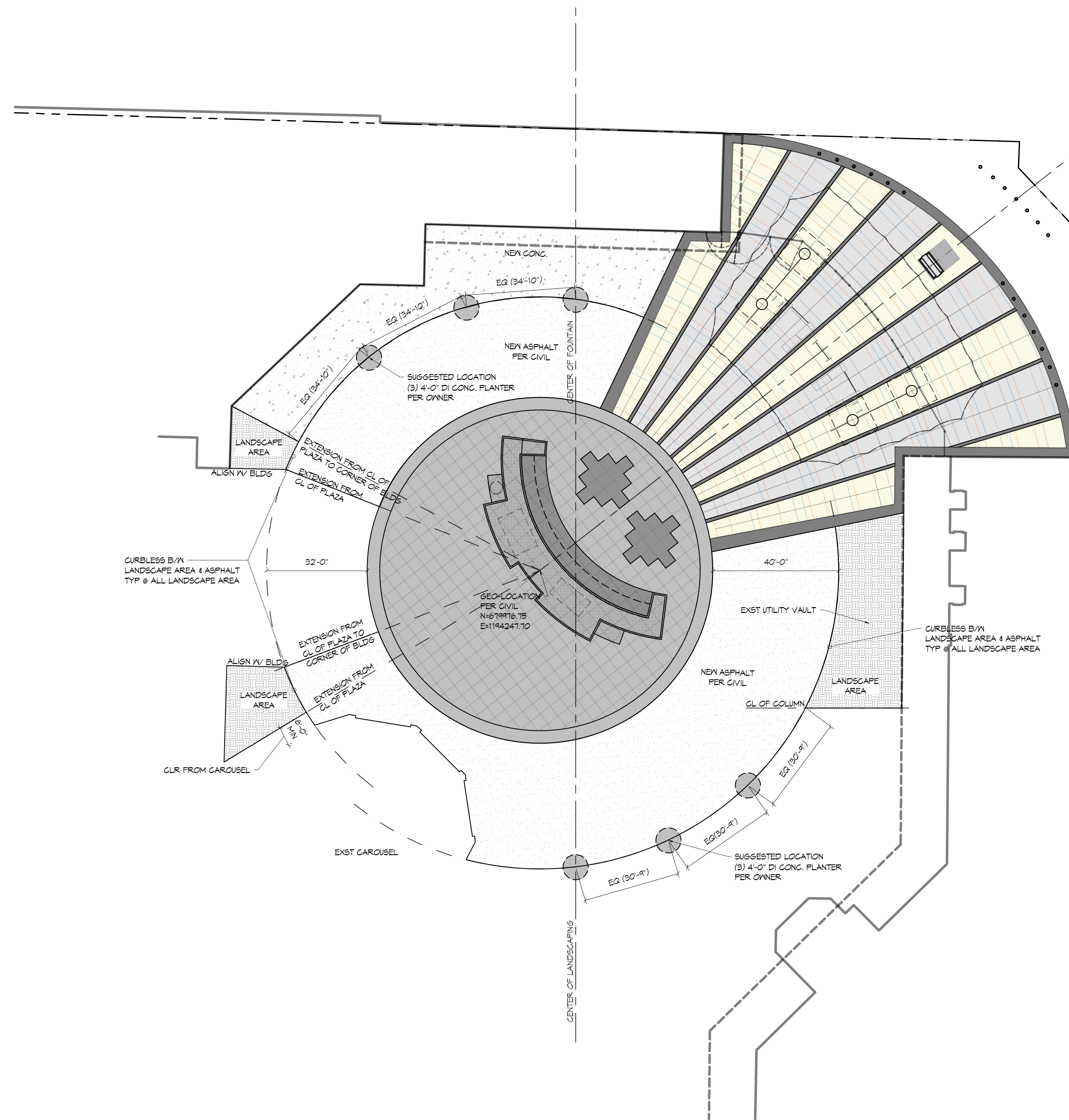
ISSUE DATE	ISSUE DESCRIP.	NO.
10.11.24	PERMIT	

SHEET TITLE

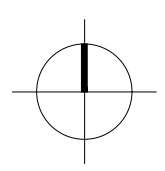
**SITE PLAN
LANDSCAPING**

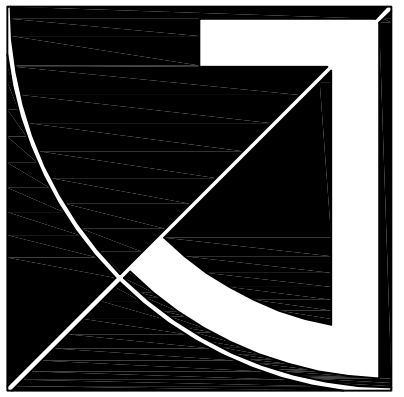
SHEET #

A1.3



SITE PLAN - LANDSCAPE
(11X17) SCALE: 1" = 40'
(22X34) SCALE: 1" = 20'





JEFF BROWN ARCHITECTURE

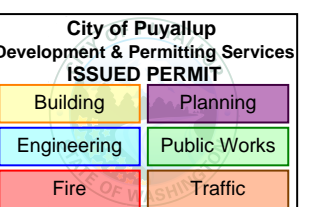
JEFF BROWN ARCHITECTURE
12181 C STREET SOUTH
TACOMA, WA 98444

PROJECT LEAD
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253.406.8324
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253.537.8128
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PROJECT NAME/ADDRESS



**WASHINGTON STATE FAIR
GOLD GATE - WATER WALL**

110 9TH AVE SW
PUYALLUP, WA 98371

PROJECT NUMBER

DRAWING TYPE

PERMIT DOCUMENT

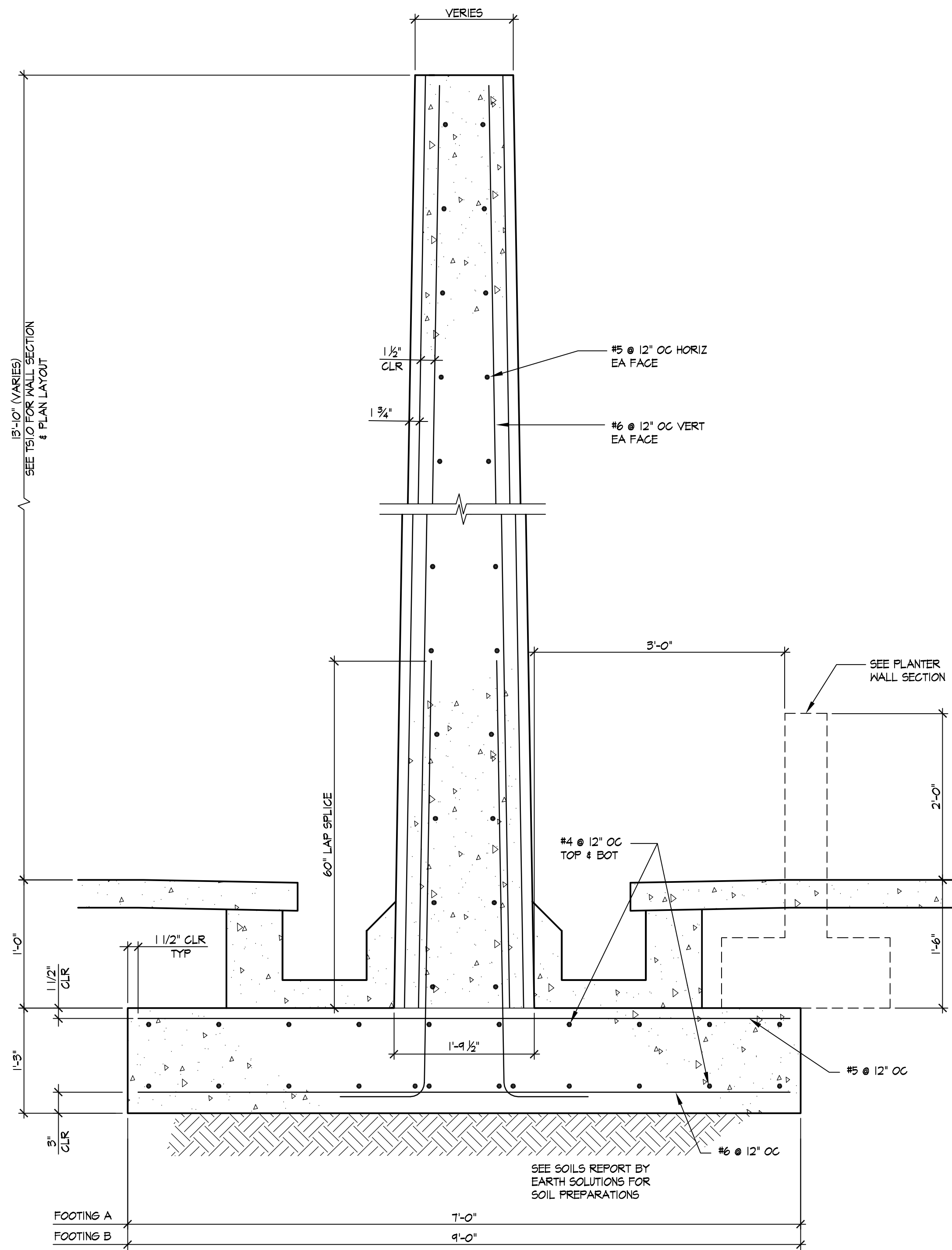
ISSUE DATE	ISSUE DESCRIP.	NO.
10.11.24		

SHEET TITLE

WATER & PLANTER WALL SECTIONS

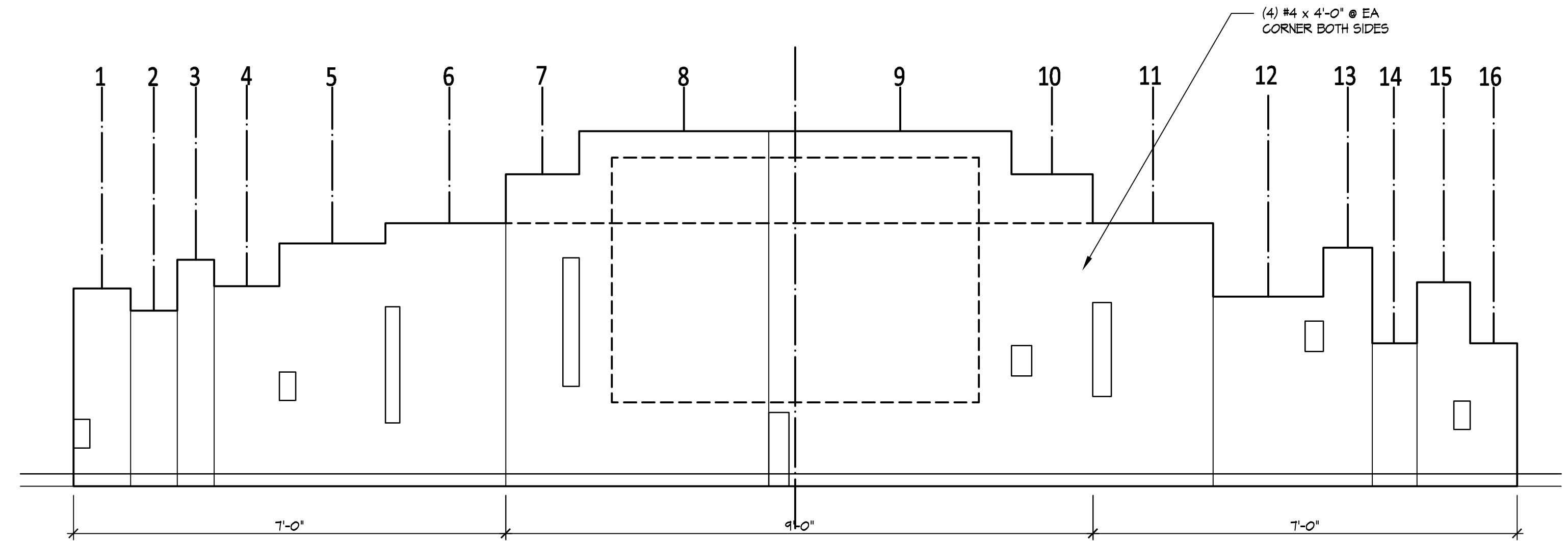
SHEET #

S2

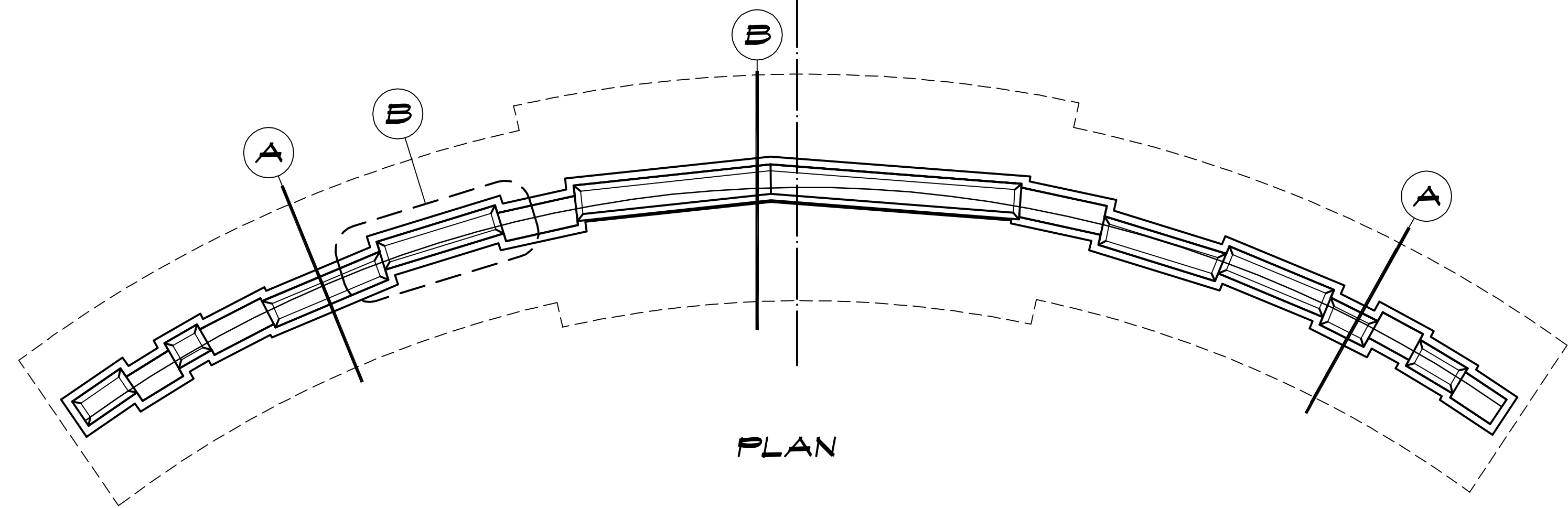


A WATER WALL SECTION

1" = 1'-0"



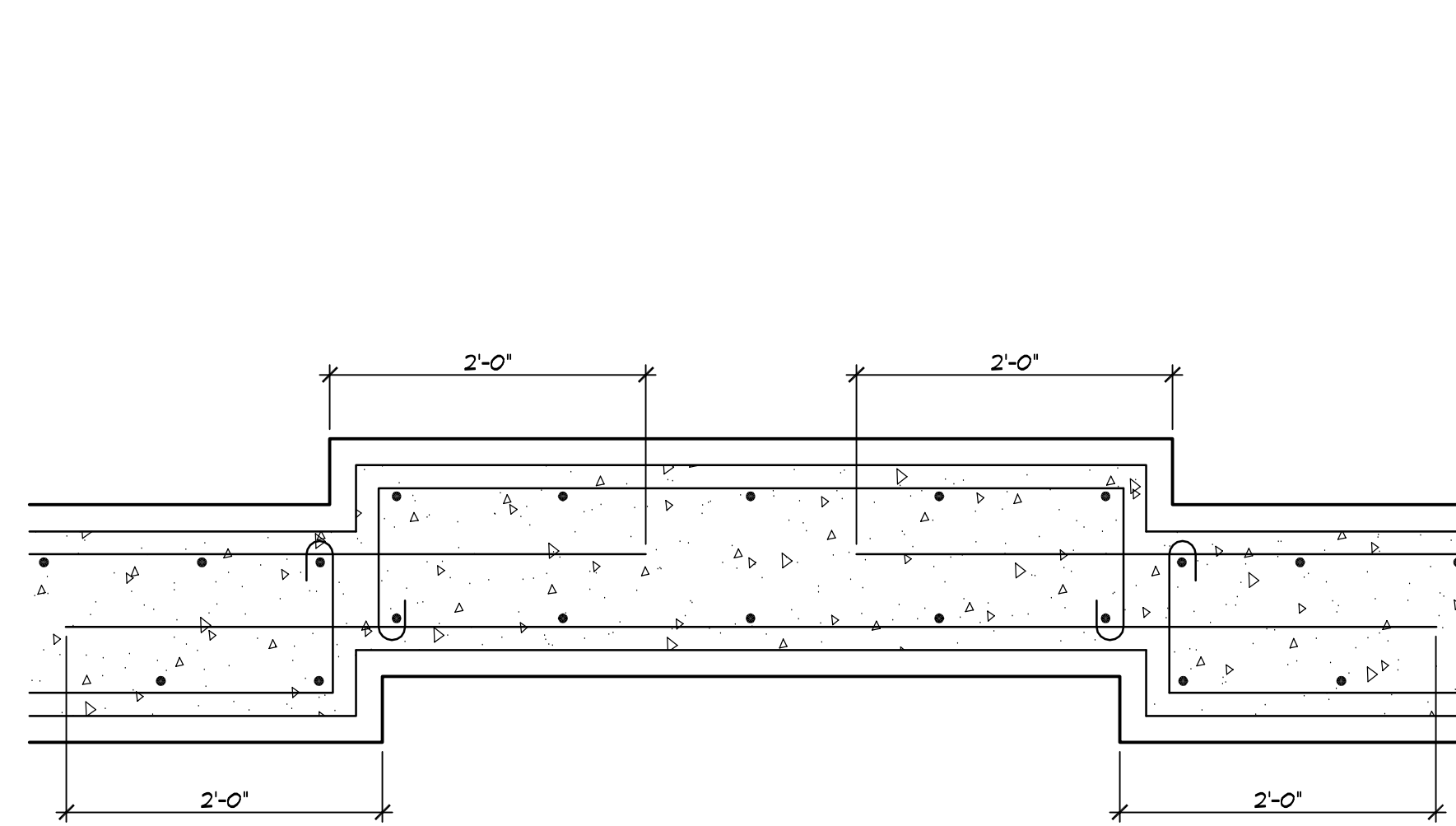
ELEVATION



PLAN

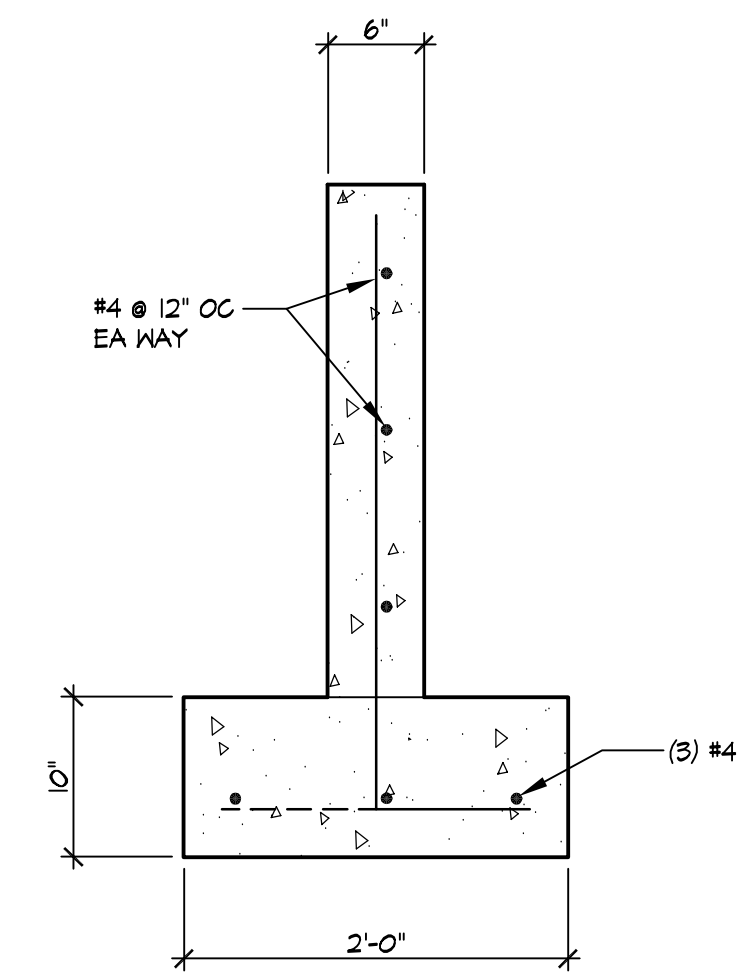
WATER WALL PLAN / ELEVATION

1/4" = 1'-0"



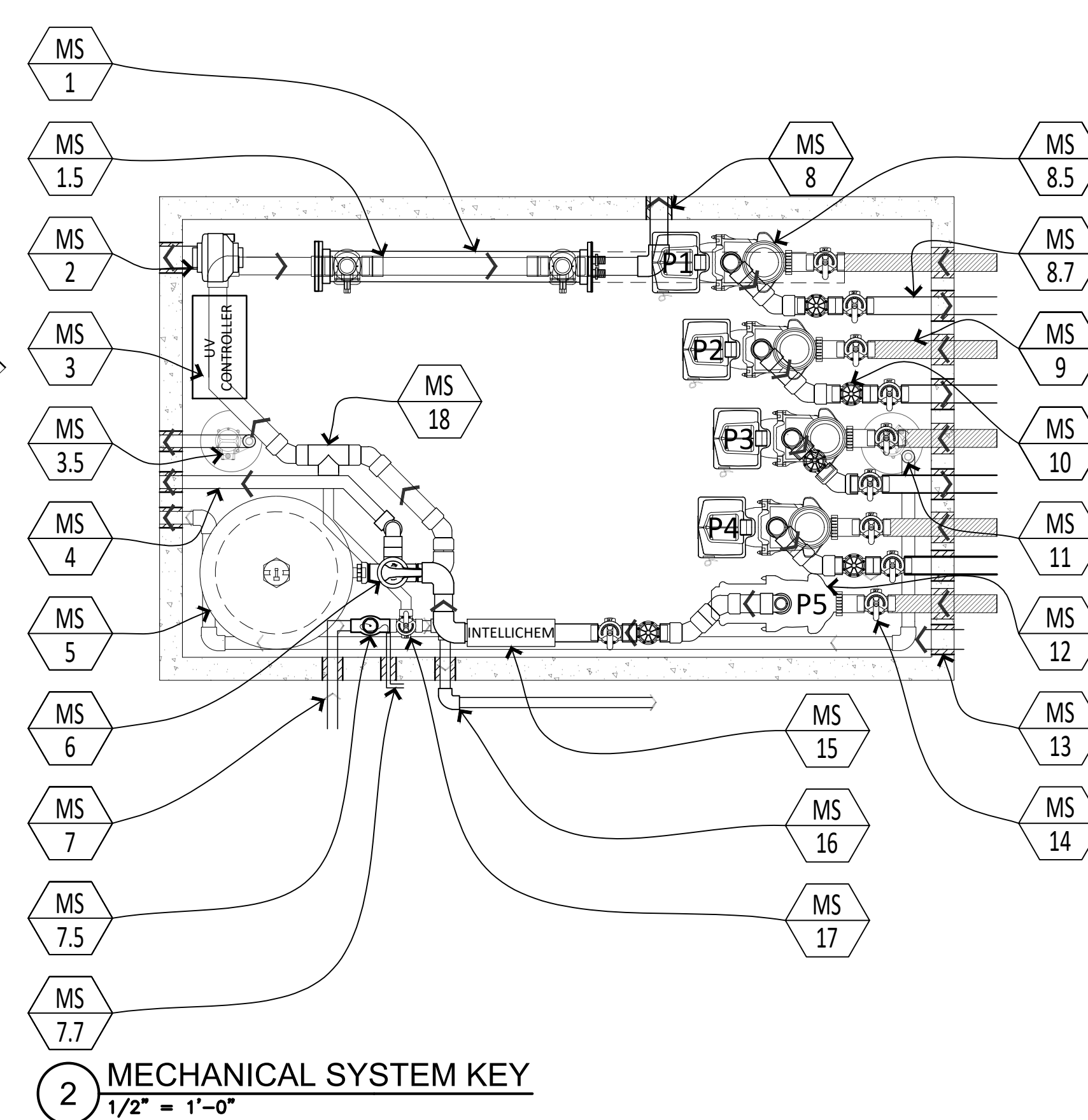
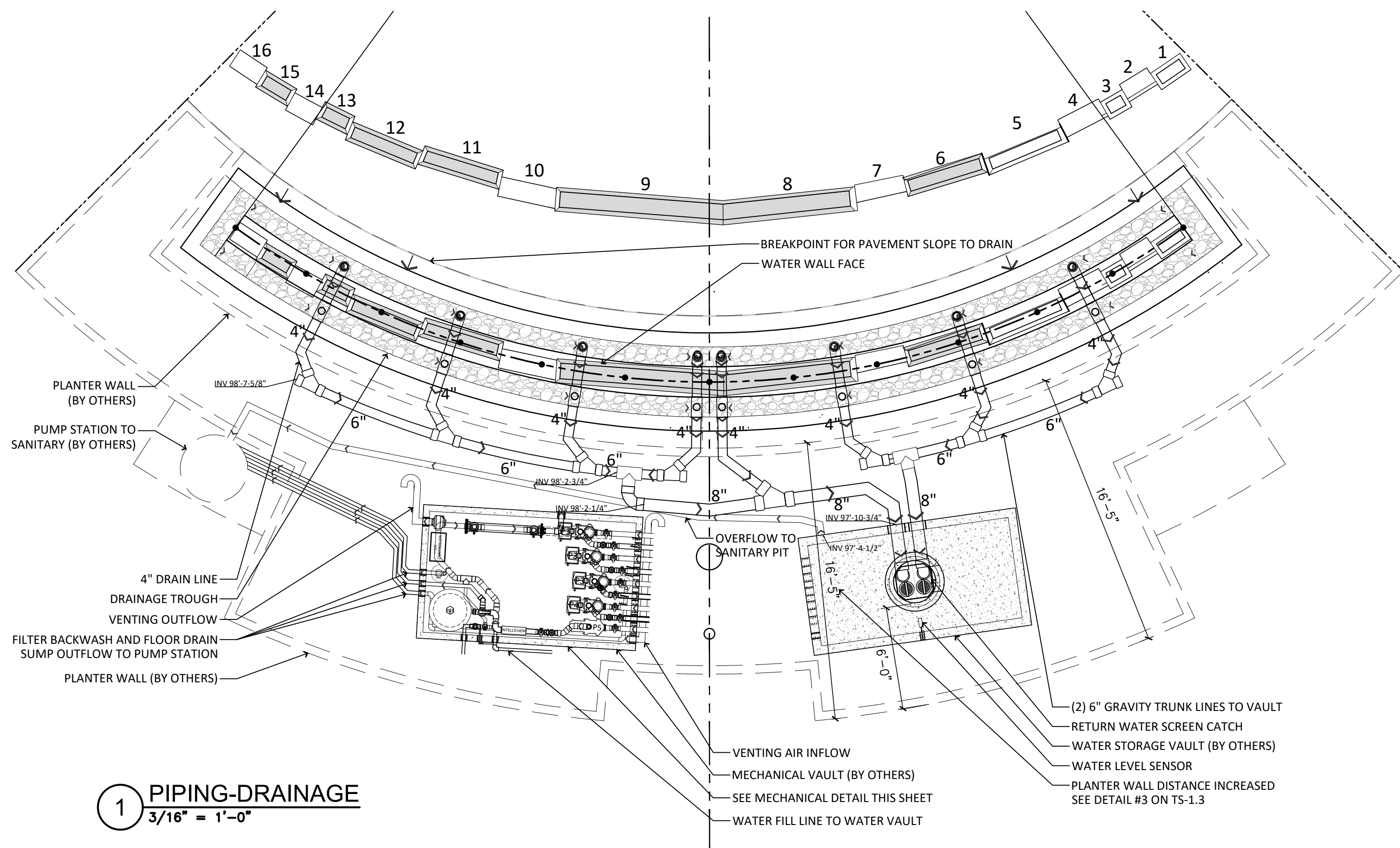
B PLAN - REBAR AT OFFSET

1" = 1'-0"



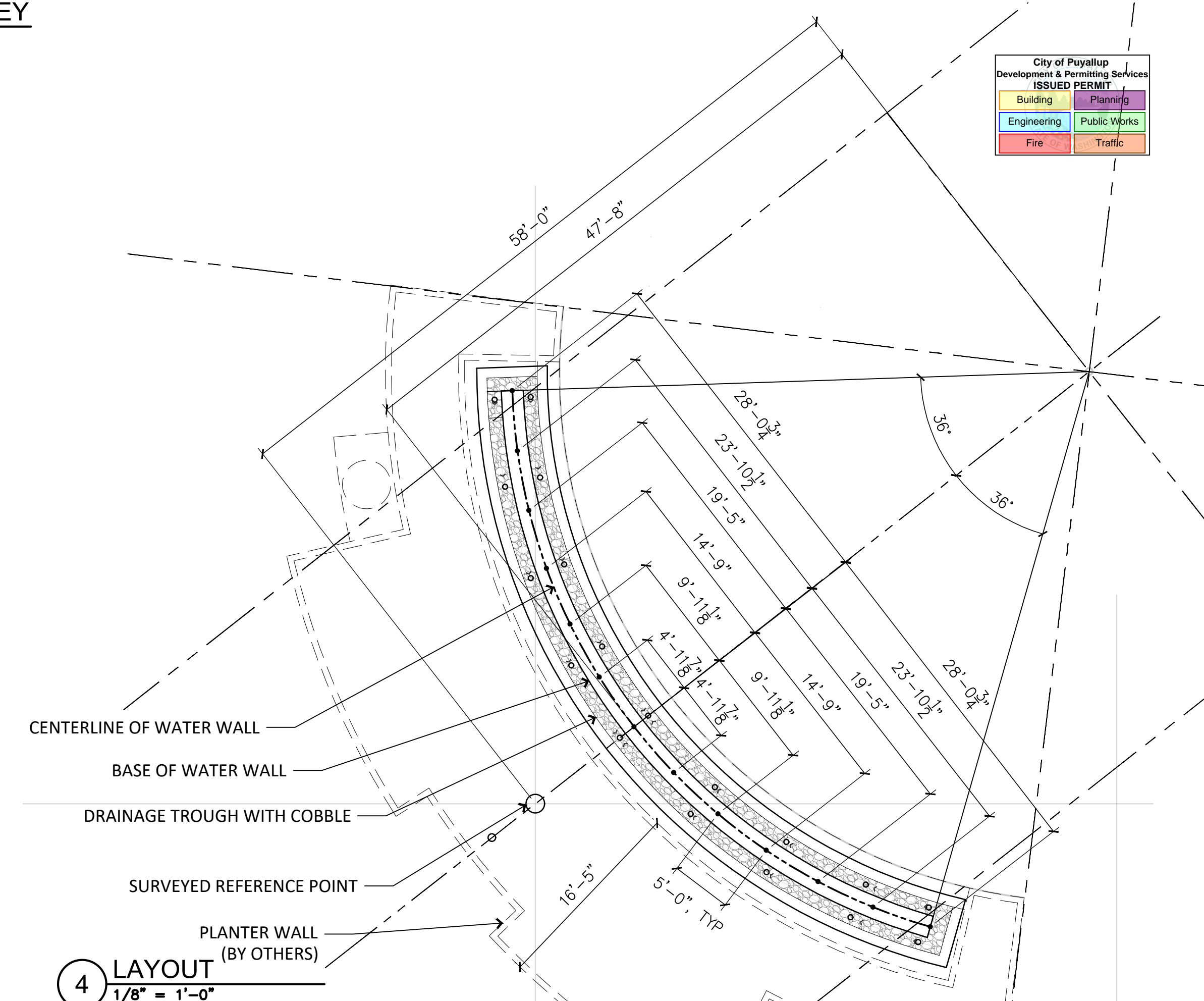
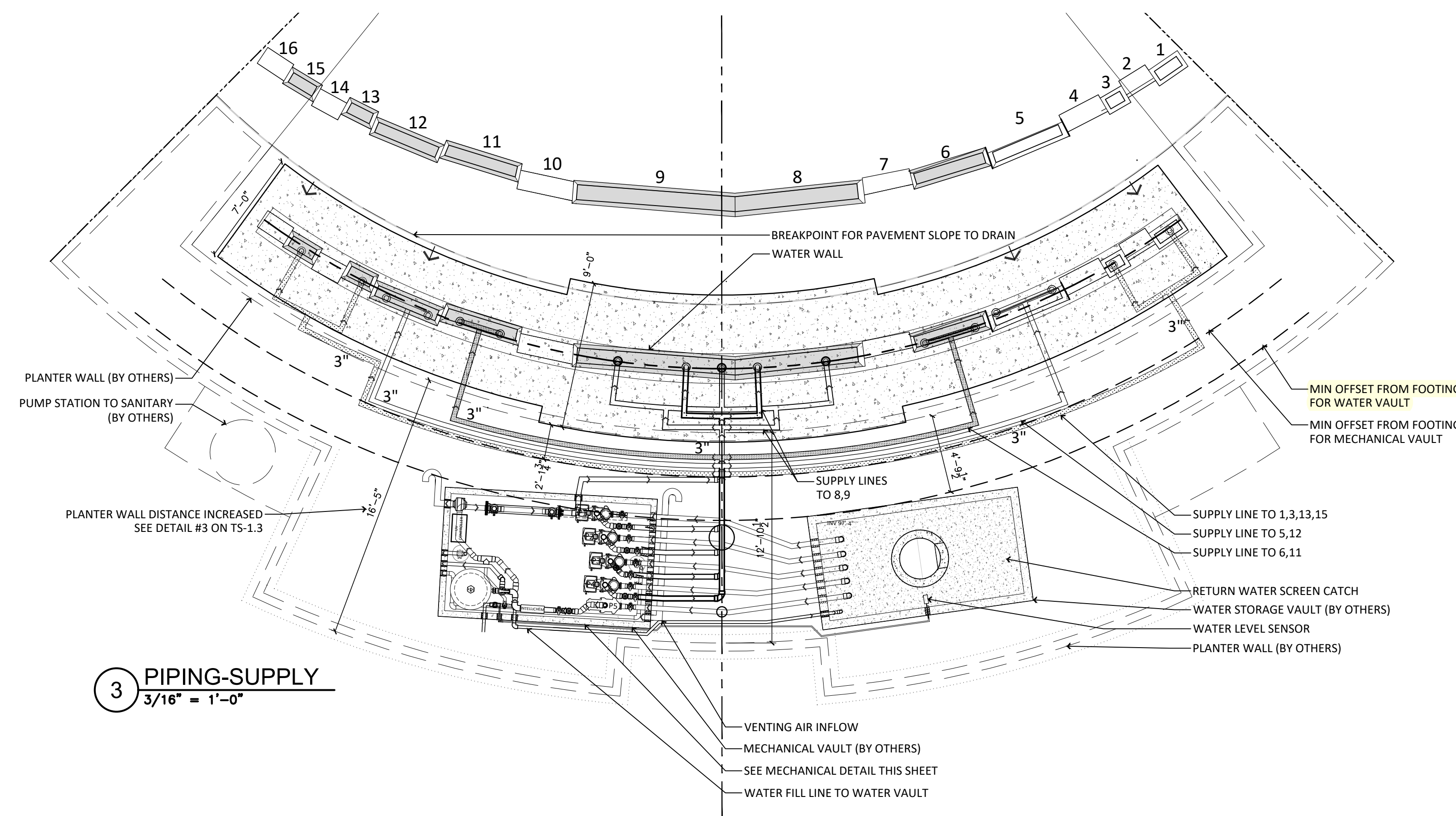
PLANTER WALL SECTION

1" = 1'-0"



WSF GOLD GATE WATER FEATURE MECHANICAL SYSTEM LEGEND

- MS-1 PENTAIR CVP UV TREATMENT LIGHT
- MS 1.5 UV LIGHT BYPASS
- MS-2 FANTECH VAULT CIRCULATION FAN-EXHAUST
- MS-3 PENTAIR CVP UV TREATMENT LIGHT CONTROLLER
- MS-3.5 #1 FLOOR DRAIN SUMP PUMP TO SANITARY PUMP STATION
- MS-4 FILTER BACKWASH LINE TO PUMP STATION
- MS-5 PENTAIR TRITON II SAND FILTER
- MS-6 PENTAIR FULL FLO XF BACKWASH VALVE
- MS-7 POTABLE BACKFLOW PREVENTED WATER SUPPLY
- MS-7.5 AUTO-FILL SOLENOID VALVE
- MS-7.7 AUTO-FILL SENSOR CONDUIT FROM WATER VAULT
- MS-8 3" FILTER LOOP RETURN TO TOP OF WW
- MS-8.5 PENTAIR WHISPERFLO XF VS MULTI PHASE CENTRIFUGAL FEATURE PUMPS #1 - #4
- MS-8.7 SUPPLY LINES TO WATER WALL WITH LINK SEALS
- MS-9 SUCTION LINES FROM WATER VAULT WITH LINK SEALS
- MS-10 PENTAIR CHECK VALVE
- MS-11 #2 FLOOR DRAIN SUMP PUMP TO SANITARY PUMP STATION
- MS-12 PENTAIR INTELLIFLO 3 CENTRIFUGAL FILTER PUMP #5
- MS-13 4" PVC FRESH AIR INLET
- MS-14 PENTAIR FLOW CONTROL/ISOLATION VALVE
- MS-15 PENTAIR INTELLICHEM WATER CHEMISTRY MONITOR
- MS-16 SUPPLY LINE TO WATER VAULT FOR VAULT FILLING
- MS-17 AUTO-FILL 3-WAY VALVE TO SELECT VAULT FILL OR INJECTION POINT
- MS-18 AUTO-FILL INJECTION POINT



PLAZA WATER WALL EAST & WEST SIDES

SEGMENT	WEIR WIDTH (FT)	WEIR FLOW (GPM)	WEIR FALL (FT)	WEIR WATER THICKNESS 3/16" (FT)	WEIR TRANSIT WATER (GALS)
1	3	22.5	8.06	0.0155625	2.82
3	1.75	13.125	9.25	0.0155625	1.89
5	8.08				

2 DRY	WEIR WIDTH (FT)	8.06	WEIR FLOW (GPM)	60.6	WEIR FALL (FT)	9.91	WEIR WATER THICKNESS 3/16" (FT)	0.0155625	WEIR TRANSIT WATER (GALS)	9.35
6	WEIR WIDTH (FT)	8.5	WEIR FLOW (GPM)	63.75	WEIR FALL (FT)	10.75	WEIR WATER THICKNESS 3/16" (FT)	0.0155625	WEIR TRANSIT WATER (GALS)	10.67
8+9	WEIR WIDTH (FT)	35	WEIR FLOW (GPM)	306.25	WEIR FALL (FT)	13.83	WEIR WATER THICKNESS 7/32" (FT)	0.01815625	WEIR TRANSIT WATER (GALS)	65.91
4 DRY	WEIR WIDTH (FT)	8.08	WEIR FLOW (GPM)	64.18	WEIR FALL (FT)	9.75	WEIR WATER THICKNESS 3/16" (FT)	0.0155625	WEIR TRANSIT WATER (GALS)	11.29

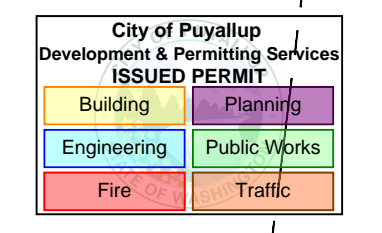
7 DRY	WEIR WIDTH (FT)	7.75	WEIR FLOW (GPM)	60	WEIR FALL (FT)	10.75	WEIR WATER THICKNESS 3/16" (FT)	0.0155625	WEIR TRANSIT WATER (GALS)	11.29
11	WEIR WIDTH (FT)	9	WEIR FLOW (GPM)	67.5	WEIR FALL (FT)	10.75	WEIR WATER THICKNESS 3/16" (FT)	0.0155625	WEIR TRANSIT WATER (GALS)	11.29
12	WEIR WIDTH (FT)	8	WEIR FLOW (GPM)	60	WEIR FALL (FT)	10.75	WEIR WATER THICKNESS 3/16" (FT)	0.0155625	WEIR TRANSIT WATER (GALS)	11.29
13	WEIR WIDTH (FT)	3.08	WEIR FLOW (GPM)	23.1	WEIR FALL (FT)	9.75	WEIR WATER THICKNESS 3/16" (FT)	0.0155625	WEIR TRANSIT WATER (GALS)	11.29
10 DRY	WEIR WIDTH (FT)	8.08	WEIR FLOW (GPM)	64.18	WEIR FALL (FT)	9.75	WEIR WATER THICKNESS 3/16" (FT)	0.0155625	WEIR TRANSIT WATER (GALS)	11.29

14 DRY	WEIR TRANSIT WATER (GALS)	3.51	WEIR TRANSIT WATER (GALS)	3.33	WEIR TRANSIT WATER (GALS)	3.24	WEIR TRANSIT WATER (GALS)	3.51
15	WEIR TRANSIT WATER (GALS)	3.33	WEIR TRANSIT WATER (GALS)	3.33	WEIR TRANSIT WATER (GALS)	3.24	WEIR TRANSIT WATER (GALS)	3.51
16 DRY	WEIR TRANSIT WATER (GALS)	3.24	WEIR TRANSIT WATER (GALS)	3.33	WEIR TRANSIT WATER (GALS)	3.24	WEIR TRANSIT WATER (GALS)	3.51

PIPE TRANSIT (GALS)	TOP OF WALL TRANSIT TROUGH TRANSIT	Total Flow	Total Transit
93.00	58.00	641.8	279.91

Pump #	WF XF VS	% CAPACITY
Pump #1	WF XF VS	83.7
Pump #2	WF XF VS	120.6
Pump #3	WF XF VS	131.25
Pump #4	WF XF VS	206.25
Pump #5	INTELLIFLO 3 (FILTER)	100
Summary		
Total gallons		2400.00
Total Length of Weir		79.74
Total feature design flow (GPM)		641.80
Total Drainage capacity (GPM)		960.00
Total transit water (GALS)		279.91
Turnover Rate (Minutes)		3.74
Turnovers per day		385.08

PIPE TRANSIT (GALS)	TOP OF WALL TRANSIT TROUGH TRANSIT	Total Flow	Total Transit
93.00	58.00	641.8	279.91



TURNSTONE CONSTRUCTION INC. REDMOND, WASHINGTON
 WSF GOLD GATE WATER FEATURE PERMIT DRAWINGS
 TS PERMIT
 DRAWING TITLE: WSF GOLD GATE WATER FEATURE PERMIT DRAWINGS
 DRAWN BY: AD
 DESIGN BY: AD
 CHECKED BY: AD
 APPROVED BY: AD
 ISSUE DATE: 10.16.2024
 SCALE:
 SHEET: