



THE TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT
TULALIP, WASHINGTON

Exhibit E.2

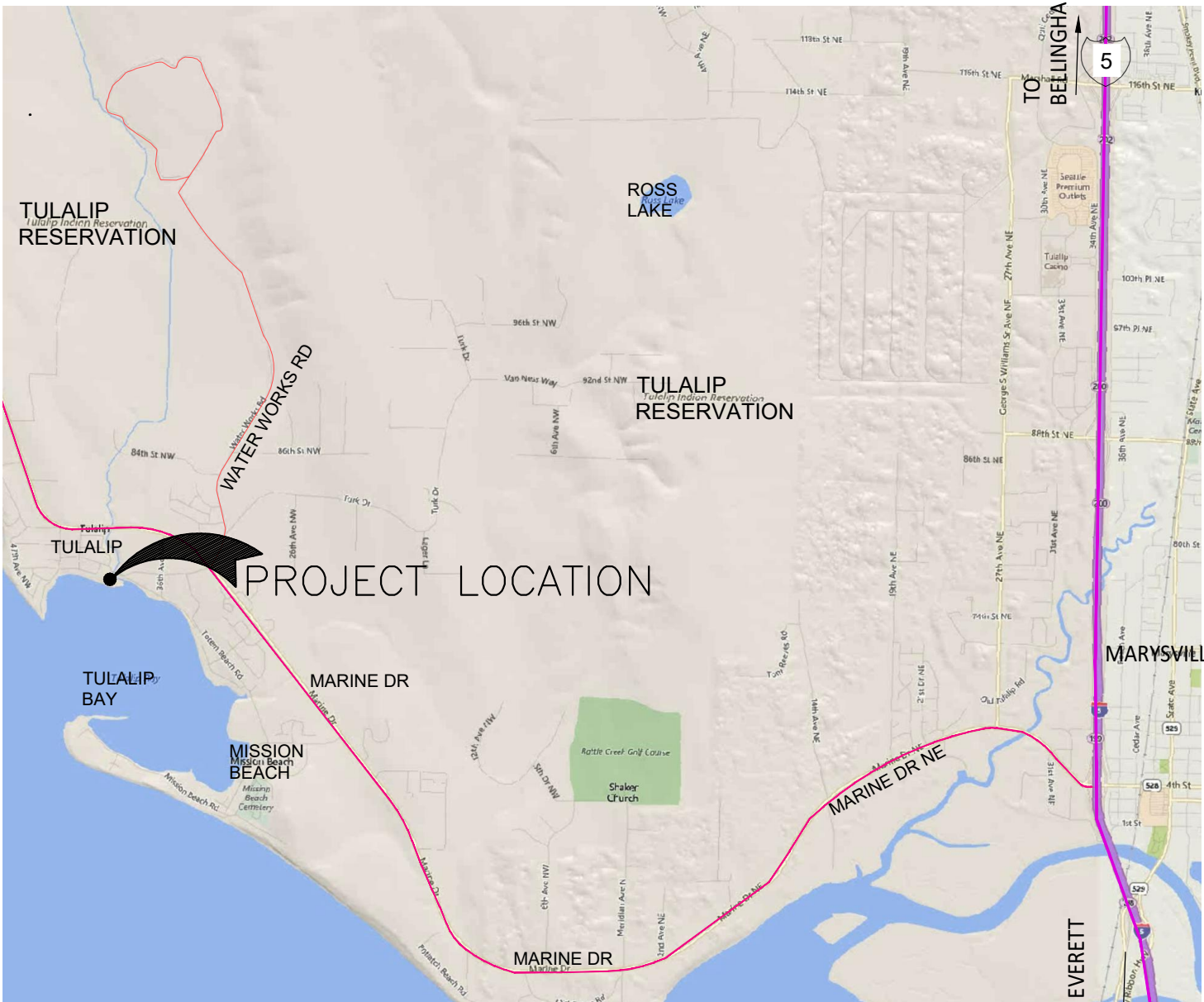
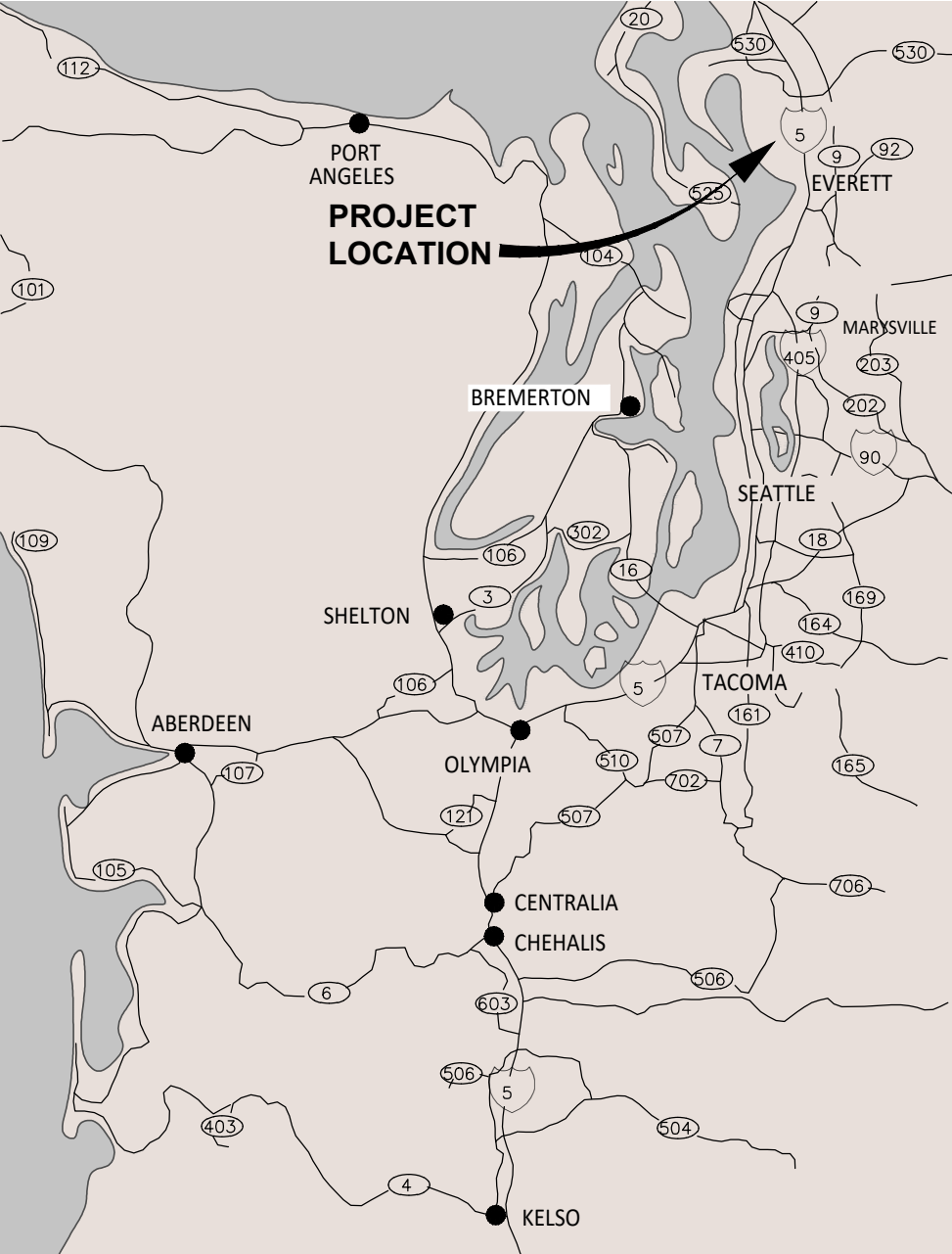
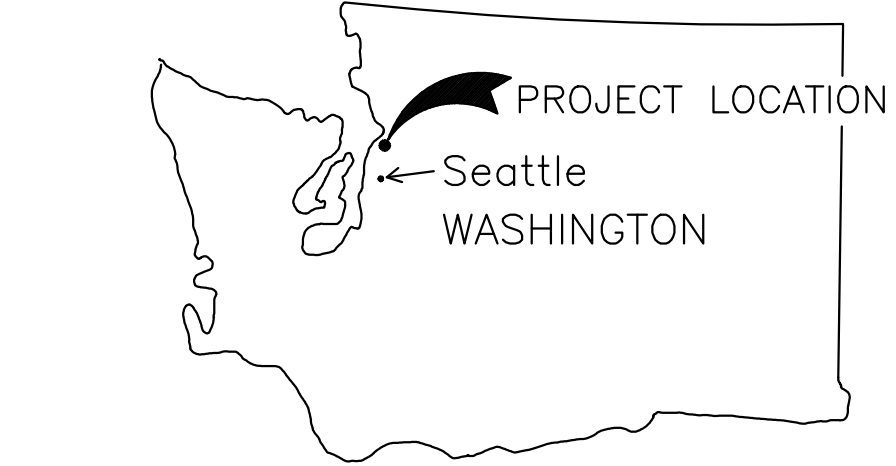
VOLUME 2 - CONSTRUCTION DRAWINGS
JUNE 2026

PRE-FINAL DESIGN SUBMITTAL

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A	06/29/26	RM	PRE-FINAL SUBMITTAL
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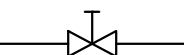
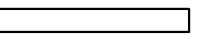
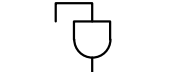
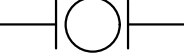
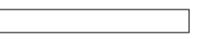
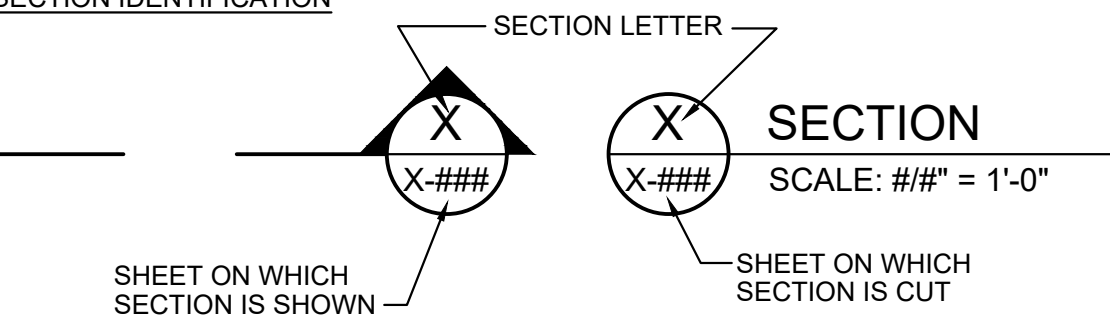
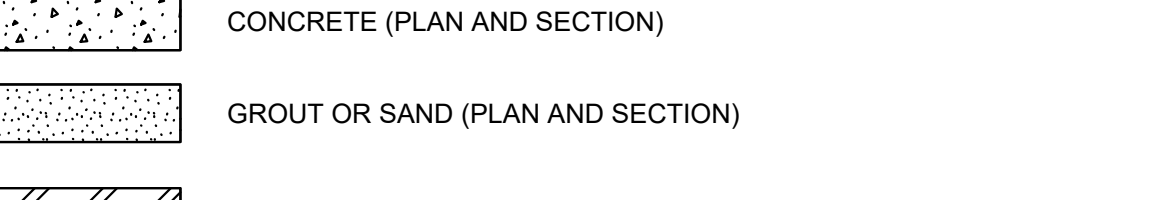
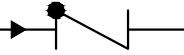
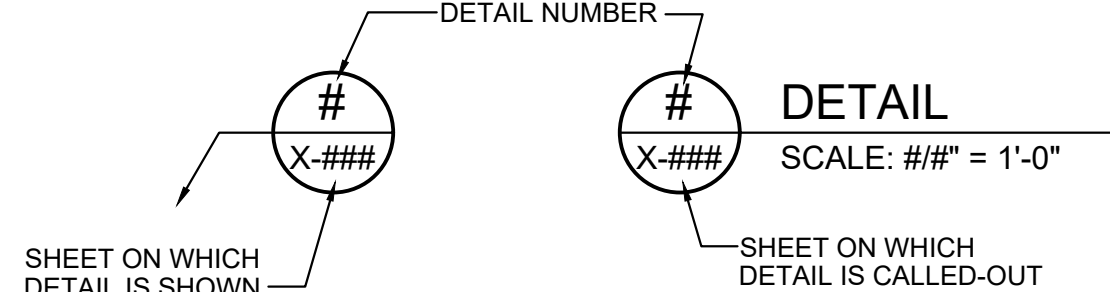
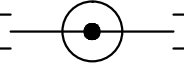
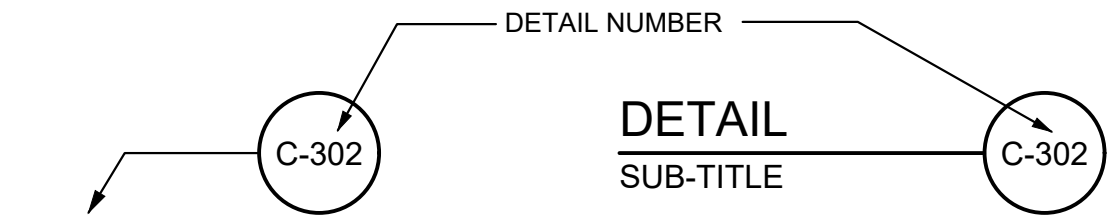
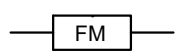
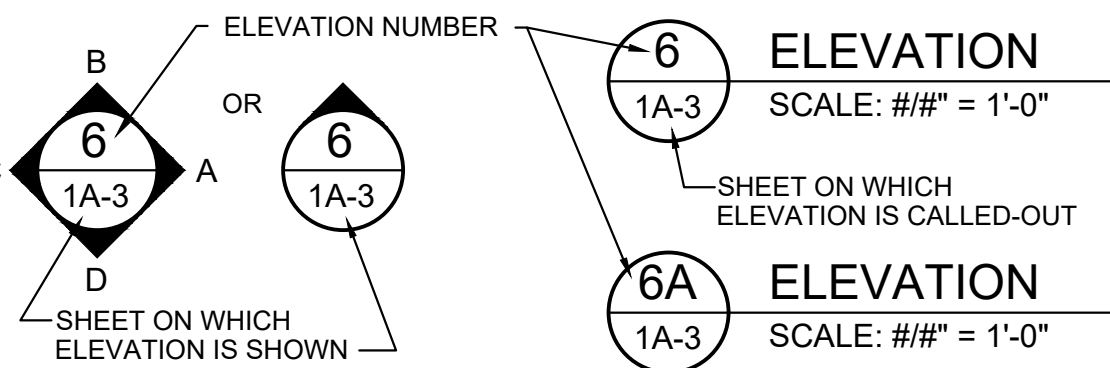
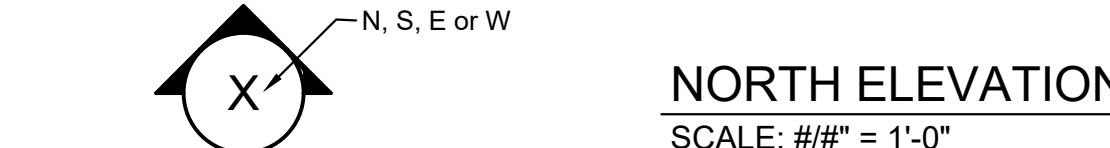
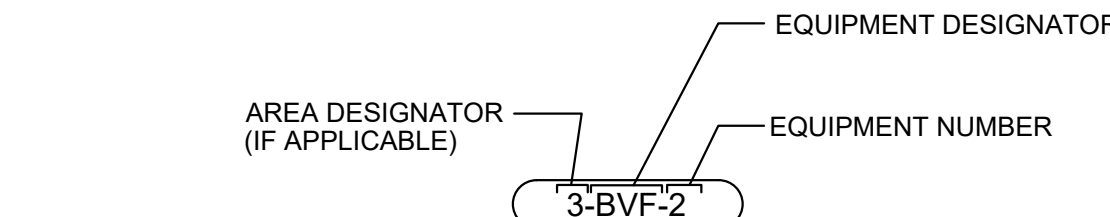
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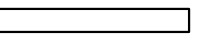
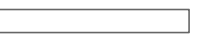
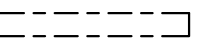
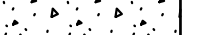
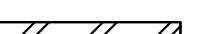
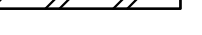
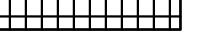
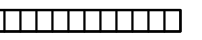
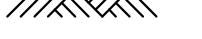
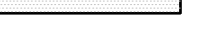
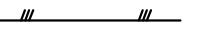
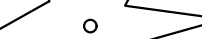
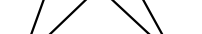
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DRAWING IS NOT TO SCALE

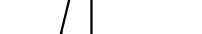
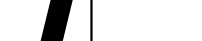


TULALIP TRIBES		DESIGNED <u> M. VASILEV </u>	DRAWING G-2
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT		DRAWN <u> R. WOOD </u>	
PROJECT LOCATION AND VICINITY MAPS AND DRAWING INDEX		CHECKED <u> J. BURGI </u>	
		PROJECT DATE <u> 06/29/26 </u>	

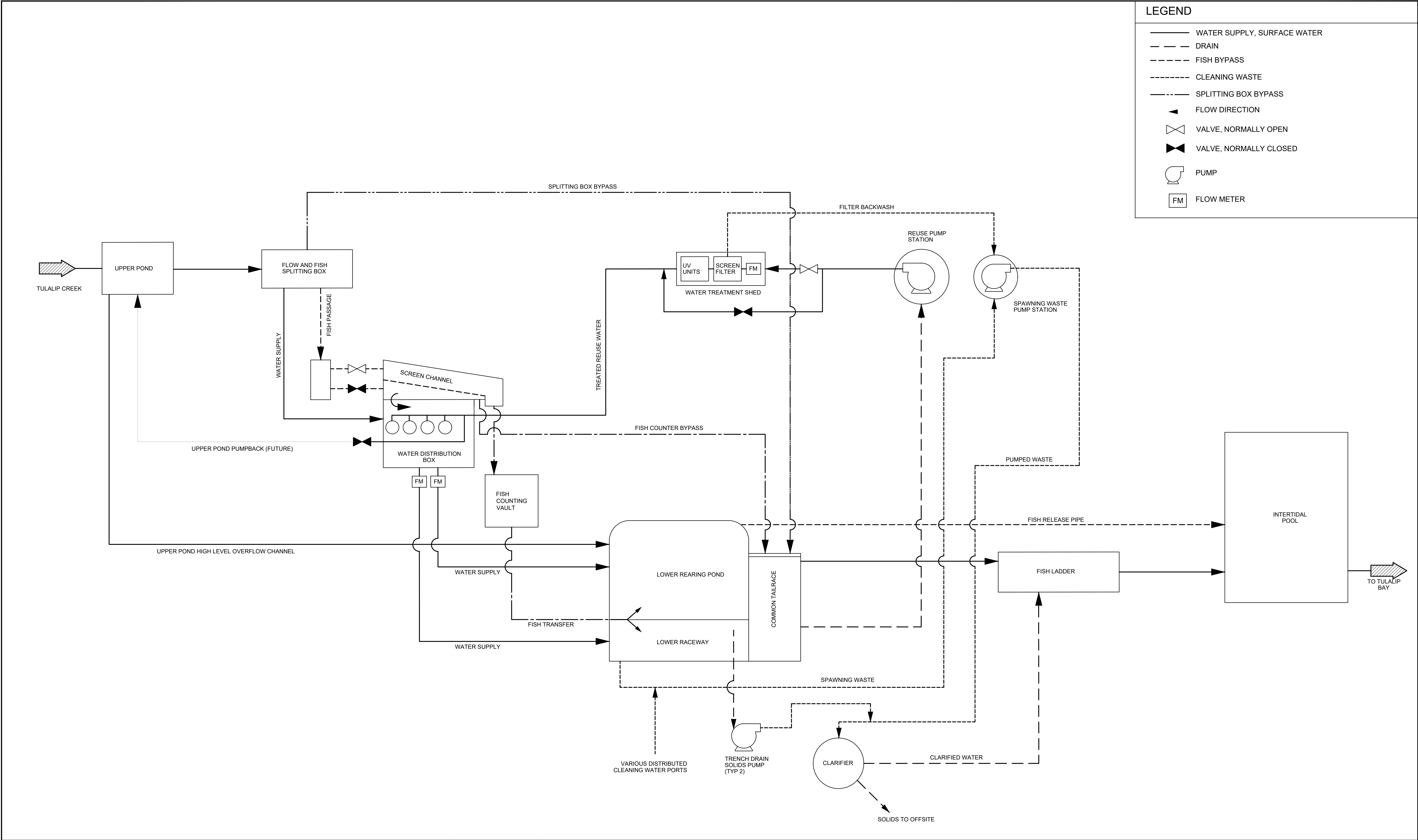
ABBREVIATIONS						VALVES		GENERAL SYMBOLOGY		REFERENCE SYMBOLS	
AC ALUM APPROX AVAR	ASPHALT ALUMINIUM APPROXIMATE AIR VACUUM/AIR RELEASE	PCA PI PP PSF PSI PT PTFE PVC PVMT PW	PACKED COLUMN AERATOR POINT OF INFLECTION POWER POLE POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH POINT OF TANGENCY POLYTETRAFLUROETHYLENE POLYVINYL CHLORIDE PIPE PAVEMENT POTABLE WATER PIPELINE				 HAND / MANUAL OPERATOR (ALSO SHOWN AS NO OPERATOR)	 NEW CONSTRUCTION	<u>SECTION IDENTIFICATION</u>		
BFV BLDG BM BMP BOL	BUTTERFLY VALVE BUILDING BENCHMARK BEST MANAGEMENT PRACTICE BOLLARD					 AIR VACUUM, AIR RELEASE, OR AIR VACUUM AND AIR RELEASE ASSEMBLY	 BALL VALVE	 EXISTING (SCREENED)			
CB CJ CL CLR CLSM CLW CMP CONC COTG CP CFS CV CHWS CSBC CSTC	CATCH BASIN CONSTRUCTION JOINT CENTERLINE CLEAR CONTROLLED LOW STRENGTH MATERIAL CLEANING WATER CORRUGATED METAL PIPE CONCRETE CLEANOUT TO GRADE CONTROL POINT CUBIC FEET PER SECOND CHECK VALVE CHILLED WATER SUPPLY CRUSHED SURFACING BASE COARSE CRUSHED SURFACING TOP COARSE	R RB RD REINF REQ RPS RW	REUSE ROUND BAR ROAD REINFORCEMENT REQUIRED REUSE PUMP STATION REUSE WATER			 BUTTERFLY VALVE			<u>DETAIL IDENTIFICATION</u>		
DI DF DIA DO DP DR	DUCTILE IRON DOUBLE FLANGE/ DRUM FILTER DIAMETER DISSOLVED OXYGEN DIFFERENTIAL PRESSURE DRAIN	S SCH SHT SF SIM SQ SS SSMH STA STD STRUC SW	SLOPE SCHEDULE SHEET SCREEN FILTER SIMILAR SQUARE STAINLESS STEEL STORM SEWER MANHOLE STATION STANDARD STRUCTURE SURFACE WATER			 CHECK VALVE					
EA ECC EF EFA EW EHH EG EMBED EL ES ESC EQN EXIST	EACH ECCENTRIC EAST FORK EACH FACE EACH WAY ELECTRICAL HAND HOLE EXISTING GROUND EXBEDMENT ELEVATION EXCLUSION SCREEN EROSION AND SEDIMENT CONTROL EQUATION EXISTING	TC TDH TF THK TOC TOG T&B TW TYP	TOP OF CURB TOTAL DISCHARGE HEAD TAIL FLUME THICK TOP OF CONCRETE TOP OF GRATING TOP AND BOTTOM TOP OF WALL TYPICAL			 SLIDE GATE (CAST IRON, ALUMINUM OR STAINLESS STEEL)			<u>STANDARD DETAIL IDENTIFICATION</u>		
F FDN FF FH FIG FLEX FM FPT FRP FT FTG FTR FS	FLANGE FOUNDATION FINISH FLOOR FIRE HYDRANT FIG FLEXIBLE FLOW METER FEMALE PIPE THREAD FIBERGLASS REINFORCED PLASTIC FEET FOOTING FISH TRANSFER FORMALIN SUPPLY	UCR UD UNO UTIL UV UW	UPPER RACEWAY UNDERDRAIN UNLESS NOTHED OTHERWISE UTILITY MICRON ULTRAVIOLET UTILITY WATER			 DISPLACEMENT FLOWMETER					
G GA GALV GB GPM GS	GATE GAUGE GALVANIZED GRADE BREAK GALLON PER MINUTE GAS SERVICE	VIP VERT VLT	VERTICAL INFLECTION POINT VERTICAL VAULT			 MAGNETIC FLOWMETER			<u>INTERIOR ELEVATION IDENTIFICATION</u>		
H HB HDPE HORZ/HORIZ HMA HSS HWL HWY HP	HEIGHT HOSE BIB HIGH DENSITY POLYETHYLENE HORIZONTAL HOT MIX ASPHALT HOLLOW STRUCTURAL SECTION HIGH WATER LEVEL HIGHWAY HORSEPOWER	WF WM WS WSE W/ W WW	WEST FORK WATER METER WATERSTOP WATER SURFACE ELEVATION WITH WIDTH WELL WATER PIPELINE								
IBC ID IE INV	INTERNATIONAL BUILDING CODE INSIDE DIAMETER INVERT ELEVATION INVERT								<u>EXTERIOR ELEVATION IDENTIFICATION</u>		
LB LCR LG LHO LIT LOX	POUND LOWER RACEWAY LONG LOW HEAD OXYGENATOR LEVEL INDICATING TRANSMITTER LIQUID OXYGEN										
MIN MFR MJ MP MPH	MINIMUM MANUFACTURER MECHANICAL JOINT MEDIUM PRESSURE MILES PER HOUR								<u>EQUIPMENT IDENTIFICATION</u>		
NIC NWL NO NTU N/A	NOT IN CONTACT NORMAL WATER LEVEL NUMBER NEPHELOMETRIC TURBIDITY UNIT NOT APPLICABLE										
OC OD OFL OP	ON CENTER OUTSIDE DIAMETER OVERFLOW OVERHEAD POWER								<u>PLEASE NOTE:</u> DISCIPLINE SPECIFIC SYMBOLS ARE SHOWN ON THE DISCIPLINE GENERAL DRAWINGS. FOR WELDING SYMBOLS USE AMERICAN WELDING SOCIETY STANDARD SYMBOLS.		
P PC PG PL PO	PUMP POINT OF CURVATURE PRESSURE GAUGE PLATE POST										

LEGEND	
	SURVEY CONTROL POINT
	MONUMENT
	SOIL BORING

GENERAL SYMBOLOGY	
	NEW CONSTRUCTION
	EXISTING (SCREENED)
	FUTURE (PHANTOM)
	EXISTING TO BE REMOVED OR DEMOLISHED
	HORIZONTAL CONTROL POINT
MATERIAL SYMBOLOGY	
	CONCRETE (PLAN AND SECTION)
	GROUT OR SAND (PLAN AND SECTION)
	STEEL/METAL/FRP (SMALL SCALE SECTION)
	GRATING (PLAN)
	GRATING OR SOLID FRP GRATING (SECTION)
	RAILING (PLAN)
	LUMBER/FRAMING - NOMINAL
	FINISHED GRADE
	GRAVEL/DRAINROCK/AGGREGATE BASE, NEW
	GRAVEL SURFACING, EXISTING
	ASPHALT SURFACING, EXISTING
	ASPHALT SURFACING, NEW
	RAILING (PLAN)
	MATURE TREE
	CATCH BASIN
	LIGHT FIXTURE
	ELECTRICAL/UTILITY VAULT
	CHAIN LINK FENCE
	DRAINAGE SWALE

MISCELLANEOUS	
	NORTH ARROW SYMBOLS
	SHEET KEY SYMBOL
	REVISION TRIANGLE SYMBOL
	BREAK SYMBOL
	ANGLE SYMBOL
	CENTERLINE
	MATCHLINE STA 10+00
	MATCHLINE SHEET C-112
	ARCHITECTURAL UNIT SCALE BAR
	CIVIL UNIT SCALE BAR
	CIVIL SCALE BAR WHERE THERE ARE HORIZONTAL AND VERTICAL SCALES

REV 050215



LEGEND

WATER SUPPLY, SURFACE WATER

DRAIN

FISH BYPASS

CLEANING WASTE

SPLITTING BOX BYPASS

FLOW DIRECTION

VALVE, NORMALLY OPEN

VALVE, NORMALLY CLOSED

PUMP

FM

FLOW METER

A	06/29/26	RM	PRE-FINAL SUBMITTAL	
REV	DATE	BY	DESCRIPTION	

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING

IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE

McMillen

1471 Shoreline Dr. Ste 100, Boise, ID 83702 | (208) 342-4214 | mcmlilen.com



TULIP TRIBES

TULIP CREEK LOWER POND IMPROVEMENTS PROJECT

PROCESS FLOW DIAGRAM

DESIGNED M. VASILEV

DRAWN R. WOOD

CHECKED J. BURGI

PROJECT DATE 06/29/26

DRAWING

G-4

C:\Users\MeganTracy\Documents\McMillen Inc\26-017 Tulip Lower Pond Improvements\Project Files\Drawings\G-4 PROCESS FLOW DIAGRAM.dwg

PUMP SCHEDULE									
PUMP NO	DESCRIPTION	LOCATION	SERVICE	TYPE	STATIC LIFT	FLOW (GPM) @ TDH (FT)	HP	VOLTAGE/PHASE	REMARKS
3-P-1	UTILITY WATER PUMP	DISTRIBUTION BOX	RAW WATER	SUBMERSIBLE	10	120@46	5.0	480/3	
3-P-2	TRUCK FILL PUMP	DISTRIBUTION BOX	RAW WATER	SUBMERSIBLE	10	400 @ 46	11.0	480/3	
5-P-1	REUSE PUMP 1	LOWER POND TAILRACE 5M	TAILRACE WATER REUSE	SUBMERSIBLE NON-CLOG PUMP	29.5	2,250 @ 100	100	480/3	VARIABLE SPEED
5-P-2	REUSE PUMP 2	LOWER POND TAILRACE 5M	TAILRACE WATER REUSE	SUBMERSIBLE NON-CLOG PUMP	29.5	2,250 @ 100	100	480/3	VARIABLE SPEED
5-P-3	LOWER POND TRENCH DRAIN SOLIDS PUMP 1	LOWER POND TAILRACE 5M	POND/RACEWAY 1% SOLIDS	ROTARY LOBE OR SCREW CENTRIFUGAL	35	125 @ 40	5	480/3	
5-P-4	LOWER POND TRENCH DRAIN SOLIDS PUMP 2	LOWER POND TAILRACE 5M	POND/RACEWAY 1% SOLIDS	ROTARY LOBE OR SCREW CENTRIFUGAL	35	125 @ 40	5	480/3	
6-P-1	SPAWNING WASTE PUMP 1	SORTING AREA 5M	SPAWNING WASTE SOLIDS	SUBMERSIBLE NON-CLOG PUMP	25.5	200 @ 30	2	208/3	
6-P-2	SPAWNING WASTE PUMP 2	SORTING AREA 5M	SPAWNING WASTE SOLIDS	SUBMERSIBLE NON-CLOG PUMP	25.5	200 @ 30	2	208/3	

FLOW METER SCHEDULE						
EQUIPMENT NUMBER	DESCRIPTION	LOCATION	TYPE	SIZE	CAPACITY	COMMENTS
FIT-101	LOWER POND SUPPLY FLOW METER	DISTRIBUTION BOX	ELECTROMAGNETIC, SUBMERSIBLE	36-INCH	9,000 GPM	REMOTE MOUNTED TRANSMITTER, 30-FT CABLE, SUBMERSION RATED
FIT-102	LOWER RACEWAY SUPPLY FLOW METER	DISTRIBUTION BOX	ELECTROMAGNETIC, SUBMERSIBLE	18-INCH	2,250 GPM	REMOTE MOUNTED TRANSMITTER, 30-FT CABLE, SUBMERSION RATED
FIT-105	REUSE WATER FLOW METER	FILTRATION AND UV TREATMENT BLDG	ELECTROMAGNETIC, IN-LINE	10-INCH	2,300 GPM	REMOTE MOUNTED TRANSMITTER, 30-FT CABLE, SUBMERSION RATED

MECHANICAL EQUIPMENT SCHEDULE								
EQUIPMENT NUMBER	LOCATION	SHEET	SERVICE	TYPE	CAPACITY	VOLTAGE/PHASE	SPECIFICATION	REMARKS
PAC-1	DISTRIBUTION BOX	3M-3	POND/RACEWAY EFFLUENT	PACKED COLUMN AERATOR	550 GPM	N/A	46 41 83	
PAC-2	DISTRIBUTION BOX	3M-3	POND/RACEWAY EFFLUENT	PACKED COLUMN AERATOR	550 GPM	N/A	46 41 83	
PAC-3	DISTRIBUTION BOX	3M-3	POND/RACEWAY EFFLUENT	PACKED COLUMN AERATOR	550 GPM	N/A	46 41 83	
PAC-4	DISTRIBUTION BOX	3M-3	POND/RACEWAY EFFLUENT	PACKED COLUMN AERATOR	550 GPM	N/A	46 41 83	
MBD-1	DISTRIBUTION BOX	3M-3	OXYGEN	MICRO BUBBLE DIFFUSER	12 Lpm, 36 Lpm @ 50 psi max	N/A	N/A	PENTAIR POINT FOUR MODEL 1DMBC120
MBD-2	DISTRIBUTION BOX	3M-3	OXYGEN	MICRO BUBBLE DIFFUSER	12 Lpm, 36 Lpm @ 50 psi max	N/A	N/A	PENTAIR POINT FOUR MODEL 1DMBC120
O2-1	DISTRIBUTION BOX	3M-3	OXYGEN	DISSOLVED OXYGEN SENSOR AND TRANSMITTER	0-20 ppm	120VAC/1 Phase	40 91 12	SENSOR AND TRANSMITTER
O2GEN	OXYGEN GENERATOR CONTAINER	10M-1	AIR	OXYGEN GENERATOR	60 Lpm, 113 kg/day	460V/3 Phase 60Hz	46 21 80	CONTROL PANELS, IF SEPARATE, TO BE 120V/1 Phase 60Hz
FT-1	INTERMEDIATE RACEWAYS FISH BASIN	4M-1	JUVENILE FISH PASSAGE	FRP FISH COUNTER HOLDING TROUGH	N/A	N/A	46 99 10	CONNECTS UPSTREAM OF FISH COUNTERS
FC-1	INTERMEDIATE RACEWAYS FISH BASIN	4M-1	JUVENILE FISH PASSAGE	FISH COUNTER	4 tons/hour	110VAC/1 Phase	46 99 10	
ME-1	LOWER POND SPAWNING SHED	5M-1	CARCASS REMOVAL	FISH BUCKET CONVEYOR/CARCASS ELEVATOR	40-60 fish/minute	480V/3 Phase	46 99 20	
ME-2	NORTH LOWER RACEWAY CROWDER	5M-1	DRIVEN CROWDER SCREEN	ELECTRIC MOTOR	7.5 HP	24VDC	46 99 00	TO BE SIZED BY CROWDER MANUFACTURER
ME-3	LOWER POND CROWDER	5M-1	DRIVEN CROWDER SCREEN	ELECTRIC MOTOR	20 HP	24VDC	46 99 00	TO BE SIZED BY CROWDER MANUFACTURER
ME-4	SOUTH LOWER RACEWAY CROWDER	5M-1	DRIVEN CROWDER SCREEN	ELECTRIC MOTOR	7.5 HP	24VDC	46 99 00	TO BE SIZED BY CROWDER MANUFACTURER
ME-5	LOWER POND TAILRACE	5M-3	NORTH RACEWAY WATER LEVEL	WIRE ROPE WINCH DRIVEN	750 lb	115V/1 Phase	43 52 10	SWINGING STANDPIPE HOIST - ELECTRIC WITH SWITCH EXTENSION HORIZONTAL ORIENTATION
ME-6	LOWER POND TAILRACE	5M-3	SOUTH RACEWAY WATER LEVEL	WIRE ROPE WINCH DRIVEN	750 lb	115V/1 Phase	43 52 10	SWINGING STANDPIPE HOIST - ELECTRIC WITH SWITCH EXTENSION HORIZONTAL ORIENTATION
ME-7A	LOWER POND TAILRACE	5M-3	LOWER POND WATER LEVEL	WIRE ROPE WINCH DRIVEN	750 lb	115V/1 Phase	43 52 10	SWINGING STANDPIPE HOIST - ELECTRIC WITH SWITCH EXTENSION HORIZONTAL ORIENTATION
ME-7B	LOWER POND TAILRACE	5M-3	LOWER POND WATER LEVEL	WIRE ROPE WINCH DRIVEN	750 lb	115V/1 Phase	43 52 10	SWINGING STANDPIPE HOIST - ELECTRIC WITH SWITCH EXTENSION HORIZONTAL ORIENTATION
ME-8	FISH LADDER/LOWER POND TAILRACE	7M-1/5M-3	LIFTING	DAVIT CRANE	750 lb	N/A	43 52 10	STAINLESS STEEL HOIST/ 1/4" SS ROPE
ME-9	LOWER RACEWAY CROWDER	5M-12	CROWDER SCREEN LIFT	ELECTRIC LINEAR ACTUATOR	N/A	24VDC	46 99 00	SCREEN LIFT ROPE PULLEY SYSTEM, PROVIDED AS PART OF CROWDER SUPPLY PACKAGE
ME-10	LOWER RACEWAY CROWDER	5M-12	CROWDER SCREEN LIFT	ELECTRIC LINEAR ACTUATOR	N/A	24VDC	46 99 00	SCREEN LIFT ROPE PULLEY SYSTEM, PROVIDED AS PART OF CROWDER SUPPLY PACKAGE
ME-12	LOWER POND AND RACEWAYS DRAIN END	5M-3	ADULT FISH PASSAGE	VEE TRAP	N/A	N/A	05 50 00	FABRICATED
ME-13	LOWER POND AND RACEWAYS DRAIN END	5M-3	ADULT FISH PASSAGE	VEE TRAP	N/A	N/A	05 50 00	FABRICATED
ME-14	LOWER POND AND RACEWAYS DRAIN END	5M-3	ADULT FISH PASSAGE	VEE TRAP	N/A	N/A	05 50 00	FABRICATED
ME-15	LOWER POND AND RACEWAYS DRAIN END	5M-1	SCREEN LIFT	MONORAIL WITH WIRE ROPE HOIST	500 LB	N/A	43 52 04	MANUAL MOVEMENT, MANUAL HOIST
MS-1	LOWER RACEWAY CROWDER SCRAPER LEAF	5M-10	CROWDER SCRAPER LIFT	ELECTRIC MOTOR				
MS-2A	LOWER POND CROWDER SCRAPER LEAF	5M-13	CROWDER SCRAPER LIFT	ELECTRIC MOTOR				
MS-2B	LOWER POND CROWDER SCRAPER LEAF	5M-13	CROWDER SCRAPER LIFT	ELECTRIC MOTOR				
MS-2C	LOWER POND CROWDER SCRAPER LEAF	5M-13	CROWDER SCRAPER LIFT	ELECTRIC MOTOR				
MS-3	LOWER RACEWAY CROWDER SCRAPER LEAF	5M-10	CROWDER SCRAPER LIFT	ELECTRIC MOTOR				
SF-1	WATER TREATMENT SHED	11M-1	REUSE WATER	SCREEN FILTER SKID	2250 GPM	110/220VAC/24VDC	46 21 34	LOW PRESSURE, 40 MICRON
UV-1	WATER TREATMENT SHED	11M-1	REUSE WATER	CLOSED-VESSEL UV REACTOR	2250 GPM	480V/3 Phase	46 66 63	LOW PRESSURE, 130 MJ/CM^2
UV-2	WATER TREATMENT SHED	11M-1	REUSE WATER	CLOSED-VESSEL UV REACTOR	2250 GPM	480V/3 Phase	46 66 63	LOSW PRESSURE, 130 MJ/CM^2

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C:\Users\MeganTracy\DC\ACCDocs\McMillen Inc\26-017 Tulalip Lower Pond Improvements\Project Files\Drawings\G-6 EQUIPMENT SCHEDULES - I.dwg

PIPING MATERIAL SCHEDULE			
GROUP NO	PIPE	FITTINGS	VALVES, 6" AND SMALLER ⓄⓈⓈ
CS02	STEEL, ASTM A53, SCH 40, WELDED, GALVANIZED	2 1/2" AND SMALLER, MALLEABLE IRON, ASME B16.3, THREADED, Banded, GALVANIZED 150 PSI; 3" AND LARGER, CAST IRON, ASME B16.1, 125 PSI FLANGED OR MECHANICAL COUPLING.	2 1/2" AND SMALLER, ECCENTRIC PLUG, SYNTHETIC RUBBER FACED: DEZURIK PEC, CAST IRON, OR MILLIKEN 603E, BALL: JAMESBURY FIG 351 OR WATTS #B-6080. 3" AND LARGER, ECCENTRIC PLUG, SYNTHETIC RUBBER FACED: DEZURIK PEC, CAST IRON, OR MILLIKEN 601. GATE: AWWA C500, BUTTERFLY: AWWA, FLANGED.
CU01	COPPER, ASTM B88, TYPE K, SOFT TEMPERED WHERE BURIED, HARD TEMPERED WHERE EXPOSED.	WROUGHT COPPER OR CAST BRONZE, ASME B16.22, SILVER SOLDER JOINT, 150 PSI, OR COMPRESSION FITTINGS.	BRONZE, SILVER SOLDER JOINT, GLOBE: CRANE #1310 OR STOCKHAM B-14T, CHECK: CRANE #1342 OR 36, OR STOCKHAM B-309Y OR B-345. GATE: CRANE #426 OR STOCKHAM B-104 OR B-105.
DI01	DUCTILE IRON, ANSI A21.51, (AWWA C151), ENDS BELL AND SPIGOT, MECHANICAL JOINTS OR 125 PSI FLANGED, (TYPICAL SERVICE - WATER LINES).	DUCTILE IRON AWWA C110, BELL AND SPIGOT JOINTS (RESTRAINED OR NON-RESTRAINED), MECHANICAL COUPLINGS, ASME B16.1 FLANGES, OR MECHANICAL JOINTS.	GATE: AWWA C500, O-RING SEALS, MECHANICAL JOINT ENDS, CLOW F-5065, BUTTERFLY: AWWA, ECC PLUG DEZURIK PEC, CAST IRON OR MILLIKEN 603E, BALL: PRATT OR APCO-WILLAMETTE.
PE04	POLYETHYLENE, CORRUGATED PROFILE WALL, ASTM F2306, PERFORATED (FOR STRUCTURE UNDERDRAIN)	POLYETHYLENE AS PROVIDED BY THE PIPE MANUFACTURER.	-
PE05	POLYETHYLENE, PRESSURE PIPE, AWWA C906, DR 32.5	POLYETHYLENE THERMAL BUTT-FUSED JOINTS, FLANGED JOINTS AT VALVES AND TRANSITIONS.INTERIOR GROUND TO REMOVE ANY IRREGULARITIES FOR ALL PIPES EXPOSED TO FISH.	AS INDICATED ON DRAWINGS.
PV01	POLYVINYL CHLORIDE (PVC), ASTM D1785, SCH 80, TYPE I.	PVC, SCH 80, TYPE I, SOCKET SOLVENT WELD JOINTS, ASTM D2467. SOLVENT SHALL BE COMPATIBLE WITH FLUID SERVICE.	PVC, BALL, DIAPHRAGM, BUTTERFLY, OR LIFT CHECK: NIBCO/CHEMTROL, MCCANNA-MARPAC, OR GEORGE FISCHER SLOANE.
PV05	POLYVINYL CHLORIDE (PVC), GRAVITY SEWER PIPE, ASTM D3034, BELL AND SPIGOT.	PVC, ANSI/ASTM D3034, BELL AND/OR SPIGOT.	-
SS01	STAINLESS STEEL, TYPE 316L, ASTM A312, SCH 40S.	STAINLESS STEEL, TYPE 316L, THREADED, WELDED SLIP-ON FLANGE ASME B16.3, OR SOCKET WELDED FITTINGS SCH 40S. (THREADED JOINTS NOT ALLOWED FOR OXYGEN SERVICE)	STAINLESS STEEL, TYPE 316, BALL, FLANGED: CONTROMATICS SERIES 2801 OR JAMESBURY SERIES 7150. CHECK: LADISH 5275 OR CRANE FIG 377 OR AS SHOWN ON DRAWINGS.

FLUID ABBREVIATION	FUNCTION THIS LIST INCLUDES SOME LINES NOT USED IN THIS PROJECT	PIPING MATERIALS (SEE GENERAL NOTES AT THE RIGHT AND PIPE MATERIALS)				FIELD TEST REQUIREMENTS Ⓢ Ⓞ		
		EXPOSED PIPING ⓔ		BURIED PIPING ⓔ		MINIMUM TEST PRESSURE (PSI)	TEST MEDIUM	LEAKAGE ALLOWANCE Ⓢ
		4" DIA AND SMALLER	6" DIA AND LARGER	4" DIA AND SMALLER	6" DIA AND LARGER			
AIR	AIR RELEASE	CS02, PV01	CS02, PV01	CS02, PV01	CS02, PV01	25	WATER	(a)
BP	BYPASS/SURPLUS FLOW	--	--	--	PE05	Ⓢ	WATER	(a)
BW	BACKWASH	DI01, PV01	DI01, PV01	DI01 , PE05, PV01	DI01, PE05	125	WATER	(a)
CLW	CLEANING WATER	CS02	--	CS02, DI01, PV01	--	125	WATER	(a)
D	DRAIN	CS02, DI01	CS02, DI01	DI01, PV05, PE05	DI01, PV05, PE05	50	WATER	(a)
DC	DOUBLE CONTAINMENT	PV01	PV01	PV01	PV01	5	AIR	(a)
DN	DECANT	DI01	DI01	DI01	--	50	WATER	(a)
FTR	FISH TRANSFER	--	--	--	PE05	25	WATER	(a)
OFL	OVERFLOW	--	DI01, PV05	--	DI01, PV05	25	WATER	(a)
OX	OXYGEN	CU01	--	CU01	--	125	DRY N2	(a)
RW	REUSE WATER	DI01, PV01	CS08, DI01, PV01	DI01 , PE05, PV01	DI01 , PE05, PV01	125	WATER	(a)
SDR	STORM DRAIN	--	DI01, PV05	--	DI01, PV05	ⓔ	WATER	(b)
SPW	SPAWNING WASTES	DI01	DI01	DI01, PE05	DI01, PE05	125	WATER	(a)
TD	TRENCH DRAIN	DI01	DI01	DI01, PE05, PV05	DI01, PE05, PV05	50	WATER	(a)
UD	STRUCTURE UNDERDRAIN	--	--	PE04	PE04	NO	TEST	REQ'D
UDC	STRUCTURE UNDERDRAIN COLLECTOR	--	--	DI01, PE05, PV01	DI01, PE05, PV01	Ⓢ	WATER	(c)
UW	UTILITY WATER (NON POTABLE WATER)	CS02, DI01, SS01, SS02, PV01, CU01	CS02, DI01, SS01, PV01	CS02, DI01, SS01, PV01, CU01	CS02, CS08, DI01	125	WATER	CS01, DI01, CU01, PV01(a)
WS	WATER SUPPLY	DI01, PE05, PV01	DI01, PE05, PV01	CS08, DI01, PE05, PV01	CS08, DI01, PE05, PV01	50	WATER	DI01, PV01, PE05

GENERAL SHEET NOTES

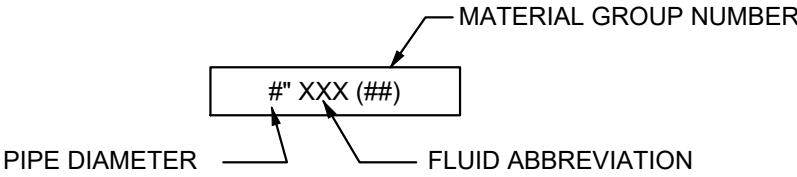
1. ALTHOUGH SEVERAL PIPE MATERIAL GROUPS MAY BE LISTED ON THIS SHEET FOR A GIVEN FLUID SERVICE, CONTRACTOR SHALL PROVIDE ONLY THE PIPE MATERIAL GROUP SHOWN ON THE DRAWINGS AND SPECIFIED FOR THAT FLUID SERVICE.
2. CHANGE IN PIPING MATERIAL GROUP NUMBER IS INDICATED THUS: 



SHEET KEYNOTES

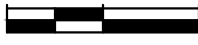
- A. LEAKAGE ALLOWANCE IS AS FOLLOWS:
(a) PIPES SO DESIGNATED SHALL SHOW ZERO LEAKAGE.
(b) PIPES SO DESIGNATED SHALL SHOW ZERO LEAKAGE FOR UNBURIED PIPE AND NOT MORE THAN 0.02 GALLON PER HOUR PER INCH DIAMETER PER 100 FEET OF BURIED PIPE.
(c) PIPES SO DESIGNATED SHALL NOT SHOW LEAKAGE OF MORE THAN 0.15 GALLON PER HOUR PER INCH OF DIAMETER PER 100 FEET OF PIPE.
- B. FOR FIELD TEST PROCEDURES AND ADDITIONAL TEST REQUIREMENTS, SEE PIPING SECTION OF SPECIFICATIONS.
- C. NO SUBSTITUTIONS UNLESS ACCEPTED BY THE ENGINEER PER THE SPECIFICATIONS.
- D. STATIC WATER TEST WITH SURFACE 5 FEET ABOVE HIGH POINT OF PIPE.
- E. FOR PIPE LINING AND COATING, SEE SPECIFICATIONS.
- F. EXPOSED PIPING SHALL BE PAINTED IN ACCORDANCE WITH SPECIFICATIONS. COLORS TO BE SELECTED BY ENGINEER.
- G. PROPRIETARY NAMES HAVE BEEN QUOTED FOR IDENTIFICATION PURPOSES ONLY. SUBSTITUTIONS WILL BE PERMITTED SUBJECT TO PROVISIONS OF THE SPECIFICATIONS.
- H. FOR VALVES 8" AND LARGER, SEE VALVE SCHEDULE. FOR SPECIAL VALVES, SEE SPECIFICATIONS. FOR PIPE LINING AND COATING, SEE SPECIFICATIONS.
- J. PIPE MATERIALS SHALL BE PER THE REFERENCE STANDARDS AS MODIFIED BY THE CONTRACT SPECIFICATIONS.
- K. EXPOSED PIPING SHALL BE PAINTED IN ACCORDANCE WITH THE SPECIFICATIONS. COLORS TO BE SELECTED BY THE OWNER.

TYPICAL PIPE DESIGNATION:



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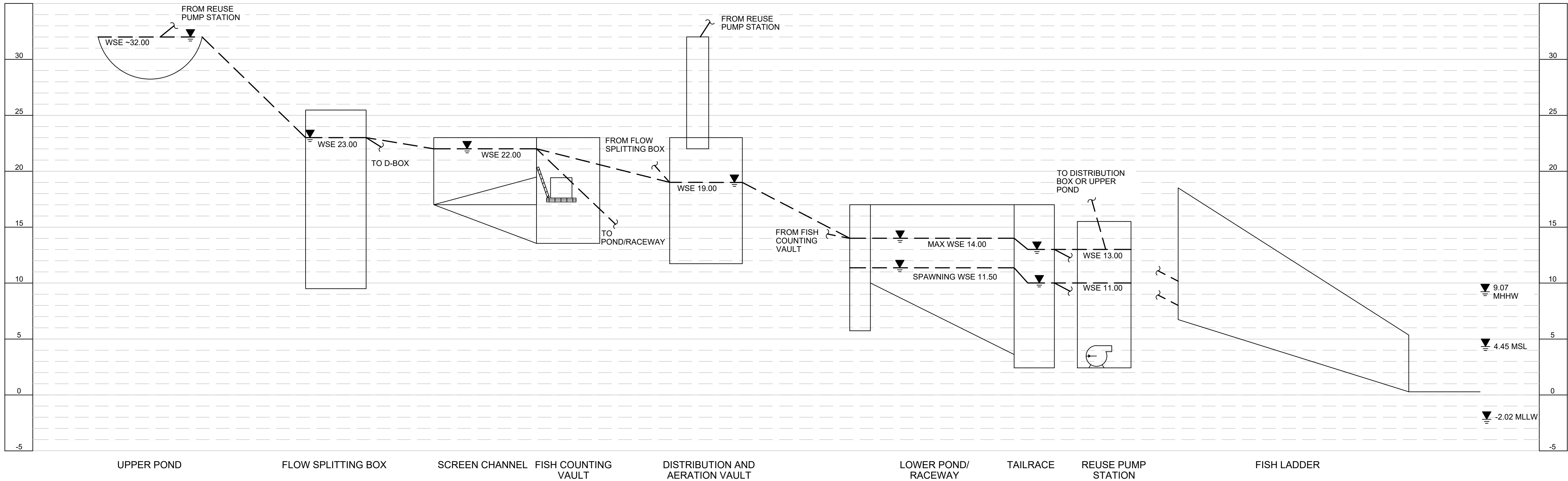
TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT

PIPE SCHEDULES

DESIGNED M. VASILEV
DRAWN R. WOOD
CHECKED J. BURGI
PROJECT DATE 06/29/26

DRAWING

G-9



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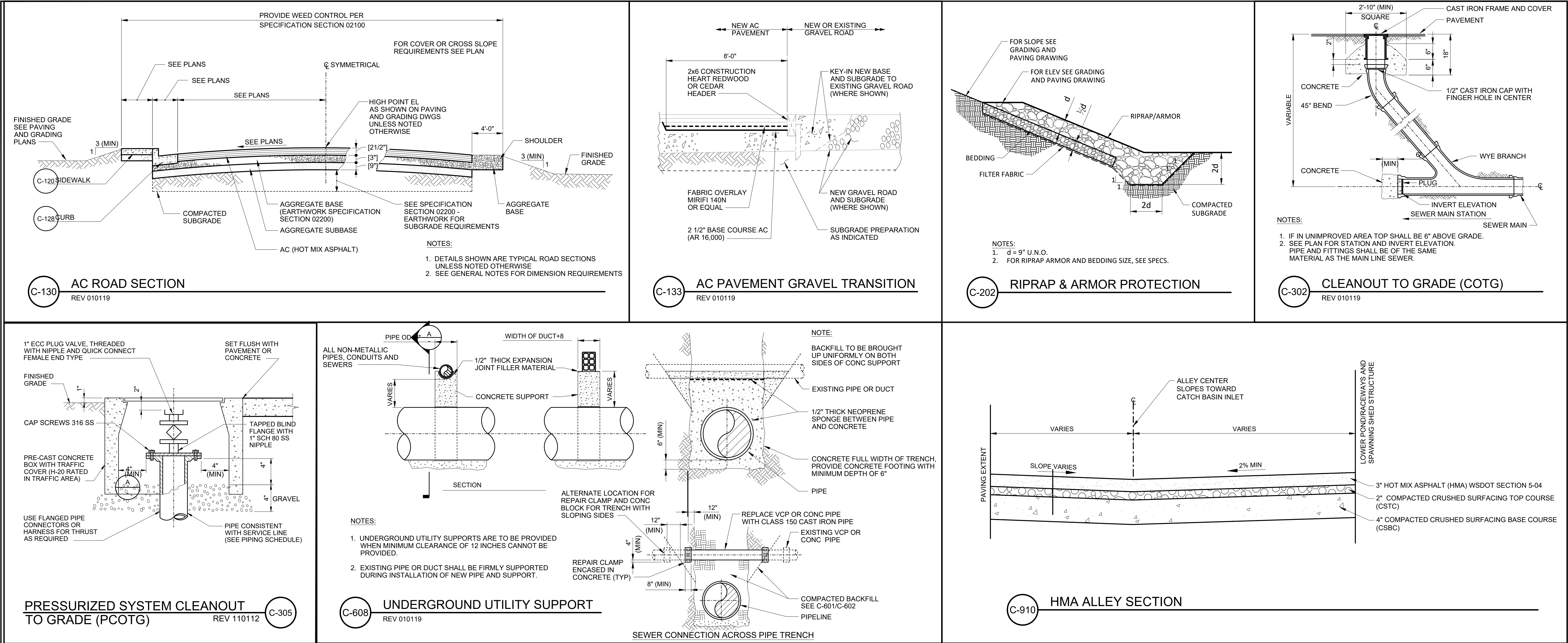


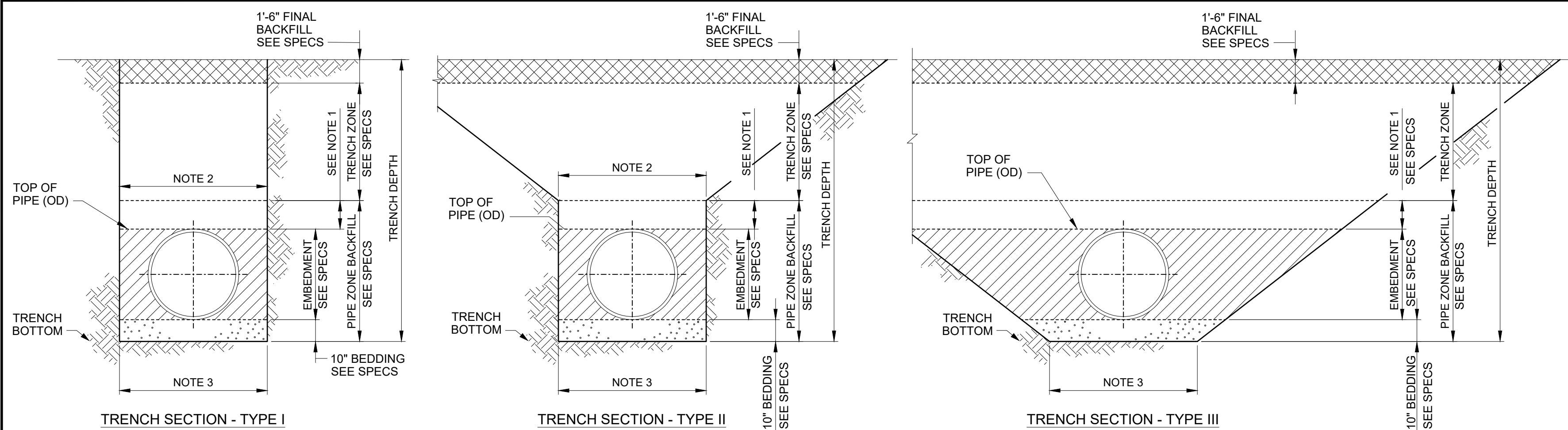
TULALIP TRIBES	
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	
HYDRAULIC PROFILE	

DESIGNED M. VASILEV
DRAWN R. WOOD
CHECKED J. BURGI
PROJECT DATE 06/29/26

DRAWING
G-10

CIVIL GENERAL NOTES				TOPOGRAPHY AND MAPPING SYMBOLS				CONTROL SYMBOLS				ROAD AND PAVING SYMBOLS							
GENERAL 1. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE FROM DAMAGE. ALL IMPROVEMENTS DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE EXPEDITIOUSLY REPAIRED OR RECONSTRUCTED AT THE CONTRACTOR'S EXPENSE WITHOUT ADDITIONAL COMPENSATION. 2. THE CONTRACTOR SHALL PROPERLY DISPOSE OF ALL DEBRIS FROM DEMOLITION AT CONTRACTORS EXPENSE. 3. ALL BUILDING COORDINATES ARE TO OUTSIDE CORNER OF COLUMN OR BUILDING. 4. THE CONTRACTOR SHALL DISPOSE OF ALL NON-ORGANIC WASTES SUCH AS OLD GUNIT, PIPING, ROCK RUBBLE ETC., AT AN APPROVED LANDFILL OR, OTHER SUITABLE DISPOSAL SITES AT THE CONTRACTOR'S EXPENSE. 5. CONTRACTOR SHALL RESTORE ALL SURVEY MONUMENTS THAT ARE DAMAGED OR DESTROYED DURING CONSTRUCTION. UTILITIES 1. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES IN AND AROUND THE AREAS OF NEW CONSTRUCTION. THE CONTRACTOR SHALL POT-HOLE FOR EXISTING UTILITIES PRIOR TO SUBMITTAL OF SHOP DRAWINGS, FOR POINTS OF CONNECTIONS. 2. THE CONTRACTOR SHALL PROTECT ALL REMAINING EXISTING UTILITIES. LOCATIONS OF UNDERGROUND UTILITIES SHOWN ON THE DRAWINGS WERE OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR SHALL VERIFY ALL LOCATIONS AND ELEVATIONS AND SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT UTILITY LINES WHETHER SHOWN OR NOT SHOWN. PRIOR TO ANY CONNECTION TO AN EXISTING UTILITY, THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY OWNER. PRIOR TO ANY EXCAVATION IN THE VICINITY OF ANY EXISTING UNDERGROUND FACILITIES, INCLUDING ALL WATER, SEWER, STORM DRAIN, GAS, PETROLEUM PRODUCTS, OR OTHER PIPELINES; ALL BURIED ELECTRIC POWER, COMMUNICATIONS, OR TELEVISION CABLES; ALL TRAFFIC SIGNAL AND STREET LIGHTING FACILITIES; AND ALL ROADWAY, STATE HIGHWAY, AND RAILROAD RIGHTS-OF-WAY, THE CONTRACTOR SHALL NOTIFY THE RESPECTIVE AUTHORITIES REPRESENTING THE OWNERS OR AGENCIES RESPONSIBLE FOR SUCH FACILITIES NOT LESS THAN 3 DAYS NOR MORE THAN 7 DAYS PRIOR TO EXCAVATION SO THAT A REPRESENTATIVE OF SAID OWNERS OR AGENCIES CAN BE PRESENT DURING SUCH WORK IF THEY SO DESIRE. IN THE CASE OF THE UNDERGROUND UTILITY SERVICE ALERT CENTER, THIS NOTICE WILL GIVE THEM TIME TO MARK THE LOCATION OF THE UTILITIES. THE CONTRACTOR SHALL ALSO NOTIFY THE REGIONAL OR LOCAL UNDERGROUND SERVICE ALERT COMPANY AT LEAST 3 DAYS, BUT NO MORE THAN 7 DAYS, PRIOR TO SUCH EXCAVATION. PIPING 1. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 36 INCHES OF COVER ON ALL PIPELINES UNLESS OTHERWISE SHOWN OR DIRECTED. 2. STRAIGHT SLOPES SHALL BE MAINTAINED BETWEEN INVERT ELEVATIONS SHOWN OR SPECIFIED. 3. THE CONTRACTOR SHALL ADJUST ALL VALVE BOXES, PULL BOXES AND MANHOLES TO FINISHED GRADE UNLESS OTHERWISE SHOWN OR SPECIFIED. MANHOLES IN OPEN FIELDS SHALL BE SET ONE FOOT ABOVE GRADE. APPROXIMATE RIM ELEVATIONS ARE SHOWN ON DRAWINGS. 4. ALL PIPE TRENCHING AND BACKFILL SHALL BE IN ACCORDANCE WITH DETAIL C-602 FOR RIGID PIPE AND C-601 FOR FLEXIBLE PIPE. THE PIPING SHOWN ON THESE PLANS SHALL BE RESTRAINED JOINT DESIGN AT ALL SLEEVE TYPE COUPLINGS. 5. FOR HDPE PIPE THAT MAY COME IN CONTACT WITH FISH, CONTRACTOR SHALL GRIND AND REMOVE ALL DISCONTINUITIES ON THE PIPE INTERIOR, INCLUDING AT ALL FUSION JOINTS, TO CREATE A SMOOTH SURFACE. SURVEY NOTES STATISTICS: EQUIPMENT: HEMISPHERE S321 GPS AND LEICA TS12 ROBOTIC TOTAL STATION. METHODOLOGY: FIELD TRAVERSE AND GPS MEETS OR EXCEEDS SURVEY STANDARD AS PER: WAC 332-130-050 WAC-332-130-090 WAC-332-130-100 ALL SURVEY WORK OCCURRED IN NOVEMBER OF 2021. HORIZONTAL DATUM: HORIZONTAL DATUM FOR THIS SURVEY IS NAD 1983(11), WASHINGTON STATE PLANE NORTH ZONE COORDINATE SYSTEM, U.S. SURVEY FEET. THE HORIZONTAL DATUM IS BASED ON OPUS OBSERVATIONS ON TRULAND SURVEY POINT NUMBER 2080 SHOWN HEREON, ALSO VERIFIED TO WSDOT POINT DESIGNATION 'BM TIDAL 5' POINT NUMBER: 2080 NORTHING: 1,285,353.036' EASTING: 391,696.106'				VERTICAL DATUM: VERTICAL DATUM IS NAVD88 BASED ON PUBLISHED INFORMATION FROM WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT), POINT DESIGNATION 'BM TIDAL 8'. POINT DESIGNATION: BM TIDAL 8 ELEVATION: 18.904' NAVD88 THE CONVERSION FROM NAVD88 TO MLLW DATUM WAS REFERENCED TO NOAA TIDAL BENCHMARK 'TIDAL BM 8 1974'. TIDAL DATUMS AT TULALIP, BAY WA, BASED ON: LENGTH OF SERIES: 4 MONTHS TIME PERIOD: AUGUST 2013 - NOVEMBER 2013 TIDAL EPOCH: 1983-2001 CONTROL TIDE STATION: 9447773 ELEVATION OF TIDAL ELEMENTS CONVERTED TO NAVD 88 MEAN HIGHER HIGH WATER MHHW 9.02 FEET MEAN HIGH WATER MHW 8.19 FEET MEAN TIDE LEVEL MTL 4.46 FEET MEAN SEA LEVEL MSL 4.44 FEET MEAN LOWER LOW WATER MLLW -2.04 FEET SOURCE: NOAA STATION ID = 9447773 NAME: TULALIP, TULALIP BAY, WA NAVD88 +2.04 = MLLW DATUM/ELEVATION				MAJOR CONTOURS MINOR CONTOURS TOP OF SLOPE TOE OF SLOPE PROPERTY LINE RIGHT-OF-WAY LINE GRADE BREAK RIDGE LINE EASEMENT LINE TEMPORARY EASEMENT LINE TRAIL OR DIRT ROAD FLOW LINE FLOOD HAZARD AREA EDGE OF WETLANDS RAILROAD GUARDRAIL (PERMANENT) GUARDRAIL (REMOVABLE) VEGETATION WELL				BENCH MARK SITE COORDINATES (SEE TABLE ON DRAWINGS) SITE COORDINATES MONUMENT HORIZONTAL CONTROL POINT VERTICAL CONTROL POINT HORZ AND VERT CONTROL POINT FINISHED ELEVATION EXISTING ELEVATION DELTA SOIL BORING				WSDOT 9-03.8 HOT MIX ASPHALT (HMA) GRAVEL/DRAIN ROCK/AGGREGATE BASE, NEW GRAVEL SURFACE, EXISTING CRUSHED SURFACING BASE COURSE (CSBC) ASPHALT SURFACE, EXISTING STONE PITCHING			
GENERAL CIVIL SYMBOLS NEW EXISTING FUTURE EXISTING TO BE REMOVED OR DEMOLISHED CENTERLINE EARTH (IN SECTION) COMPACTED EARTH (IN SECTION) SLOPE ON PAVED SURFACE BERM SLOPE (HORZ TO VERT)				STRUCTURES SITE OR RETAINING WALL FENCE (CHAINLINK) FENCE (WOOD) STRUCTURE STRUCTURE (BELOW GRADE) CATCH BASIN BOLLARD															



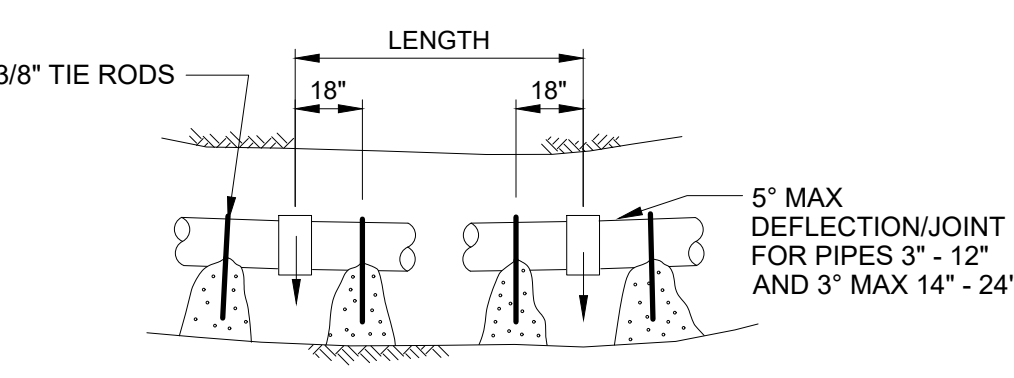
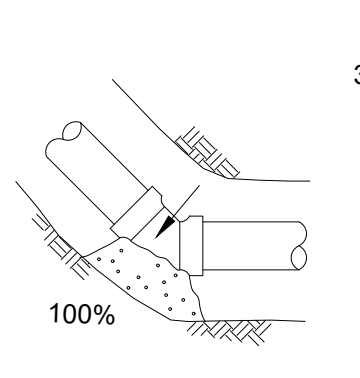
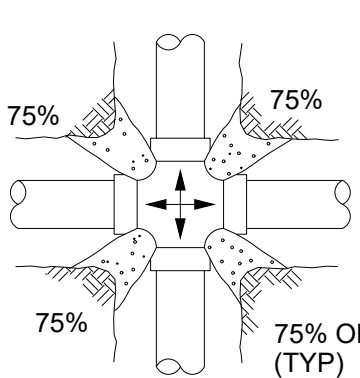
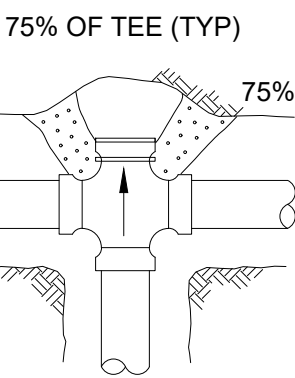
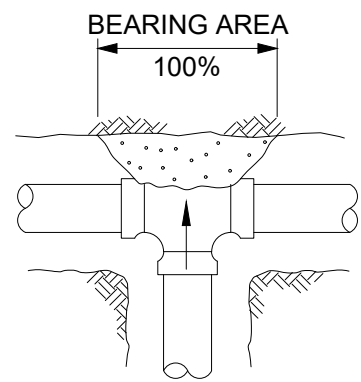


C-601 TRENCH SECTION FLEXIBLE PIPE
REV 010119

NOTES:

1. 6" MIN FOR PIPE DIAMETER < 24"
12" MIN FOR PIPE DIAMETER > 24"
2. MAX TRENCH WIDTH @ TOP OF PIPE:
OD + 36" FOR 18" AND LARGER PIPE OD
OD + 24" FOR LESS THAN 18"
3. MIN TRENCH BOTTOM WIDTH =
OD + 24" FOR MECHANICAL COMPACTION

- A. FLEXIBLE PIPE REFERS TO ALL STEEL, DUCTILE-IRON, AND PLASTIC PIPES.
- B. TYPICAL TRENCH SECTIONS (I, II AND III) ARE TO BE USED ONLY WHERE STABLE, COMPACT SOIL CONDITIONS EXIST. IF BOULDERS OR LARGE OBSTRUCTIONS ARE ENCOUNTERED, TRENCH SECTIONS MAY BE DEEPER OR WIDER THAN SHOWN. THE ENGINEER SHALL BE ADVISED SHOULD THIS OCCUR.
- C. THE NEED FOR PROTECTIVE SYSTEMS AND EXCAVATION SLOPES SHALL BE DETERMINED CONSIDERING APPLICABLE LOCAL, STATE AND FEDERAL (OSHA) SAFETY STANDARDS AND REGULATIONS, AND GEOTECHNICAL CONSULTANTS' RECOMMENDATIONS.
- D. PROTECTIVE SYSTEMS SHALL BE DESIGNED AND BUILT IN ACCORDANCE WITH THE APPLICABLE LOCAL, STATE AND FEDERAL (OSHA) SAFETY STANDARDS AND REGULATIONS.
- E. SUPPORTING DOCUMENTATION SHALL BE SUBMITTED TO THE ENGINEER REGARDING PIPE DESIGN AND COMPLIANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL (OSHA) SAFETY STANDARDS.
- F. UNSUPPORTED VERTICAL AND/OR SLOPING TRENCH WALL SLOPES SHALL NOT BE STEEPER THAN ALLOWED BY APPLICABLE LOCAL, STATE AND FEDERAL (OSHA) SAFETY STANDARDS AND REGULATIONS, UNLESS SUPPORTING DOCUMENTATION IS SUBMITTED, ACCORDING TO AFOREMENTIONED SAFETY STANDARDS.
- G. TRENCH SECTIONS OTHER THAN THE TYPICAL SECTIONS SHOWN MAY BE UTILIZED PROVIDED THEY COMPLY WITH APPLICABLE LOCAL, STATE AND FEDERAL (OSHA) SAFETY STANDARDS AND REGULATIONS. DOCUMENTATION SUPPORTING THIS COMPLIANCE AND PIPE DESIGN CALCULATIONS SHALL BE SUBMITTED TO THE ENGINEER.
- H. IF OVER-EXCAVATION DUE TO POOR FOUNDATION MATERIAL IS ORDERED BY THE ENGINEER, THE BACKFILL MATERIAL SHALL BE ACCORDING TO THE EARTHWORK SECTION OF THE SPECIFICATIONS ARTICLE ENTITLED, "FILL AND BACKFILL MATERIAL REQUIREMENTS."
- I. IF DURING CONSTRUCTION, THE WATER TABLE IS DISCOVERED TO BE ABOVE THE TRENCH BOTTOM, THE ENGINEER SHALL BE NOTIFIED, AND APPROPRIATE DEWATERING SHALL BE IMPLEMENTED TO LOWER THE WATER LEVEL BELOW THE TRENCH BOTTOM. THE BACKFILL MATERIAL SHALL BE ACCORDING TO THE EARTHWORK SECTIONS OF THE SPECIFICATIONS, OR AS ORDERED BY THE ENGINEER.



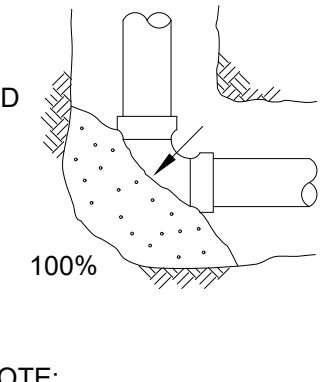
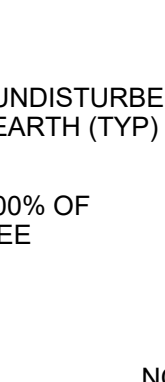
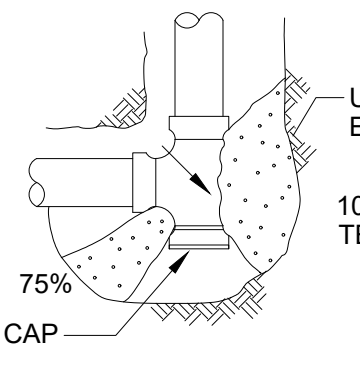
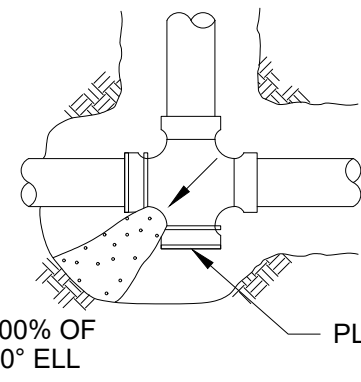
THRUST PER PSI OF WATER PRESSURE AT VARIOUS FITTINGS					
PIPE SIZE	DEAD END OR TEE	90° ELBOW	45° ELBOW	22 1/2° ELBOW	
4	19	27	15	7	
6	39	55	30	15	
8	67	94	51	26	
10	109	154	84	43	
12	155	218	119	61	
14	210	296	161	82	
16	275	383	209	106	
18	351	494	269	137	
20	434	611	333	169	
24	623	878	478	244	

SIDE THRUST PERM 100 PSI PRESSURE PER DEGREE OF DEFLECTION			
PIPE SIZE	SIDE THRUST-lb	PIPE SIZE	SIDE THRUST-lb
4	35	14	377
6	72	16	486
8	122	18	665
10	197	20	790
12	278	24	1150

MULTIPLY THRUST BY DEGREE OF DEFLECTION TO OBTAIN TOTAL THRUST

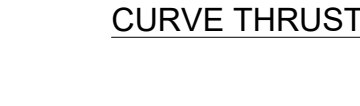
NOTES:

1. IN USING THE ABOVE TABLES, USE THE MAXIMUM INTERNAL PRESSURE ANTICIPATED (i.e. HYDROSTATIC TEST PRESSURE) POSSIBLE SURGE PRESSURE DUE TO PUMP SHUT-OFF, ETC.
2. SEE SOILS REPORT FOR BEARING STRENGTH OF SOIL IN THE ABSENCE OF A SOILS REPORT AN AVERAGE SOIL (SPADABLE MEDIUM CLAY) CAN BE ASSUMED TO HAVE A BEARING STRENGTH OF 2000 PSF
3. WITH SOLVENT WELDED JOINTS
4. USE LIGHTWEIGHT CONCRETE FOR HILL THRUST BLOCK.
5. CONCRETE FOR THRUST BLOCKS TO BE 2000 PSI.



WEIGHT OF CONCRETE TO RESIST 100% OF TOTAL THRUST

2-#5 BARS



EXAMPLE:

8-INCH 90° ELBOW, PRESSURE=200 PSF
FROM TABLE, THRUST = 94x200 = 18,800 lb
ASSUME BEARING STRENGTH OF SOIL = 2000 PSF
18,800 / 2000 = 9.4 SQ FT= BEARING AREA REQUIRED FOR THRUST BLOCK

C-605 CONCRETE THRUST BLOCKS
REV 010119

NOTE:

THRUST DIRECTION

NOTE:

FIGURE (100%) AT THRUST BLOCK INDICATES PERCENT OF TOTAL THRUST TO BE APPLIED FOR BEARING AREA

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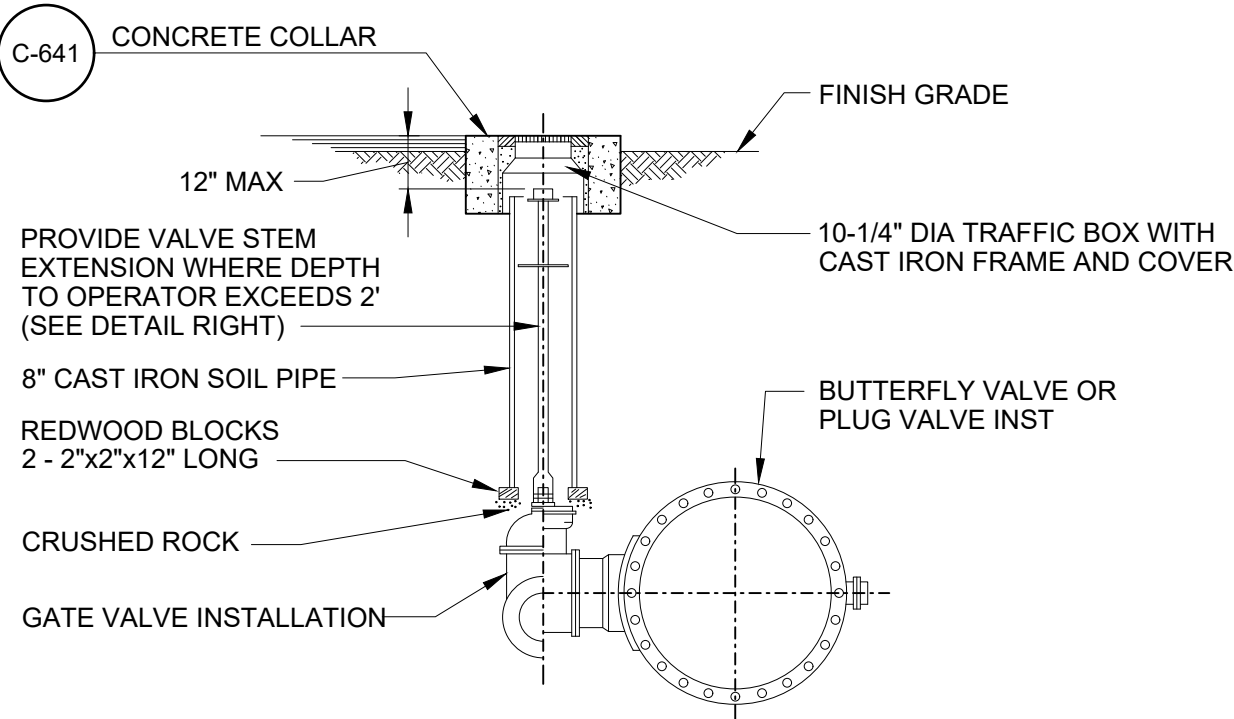
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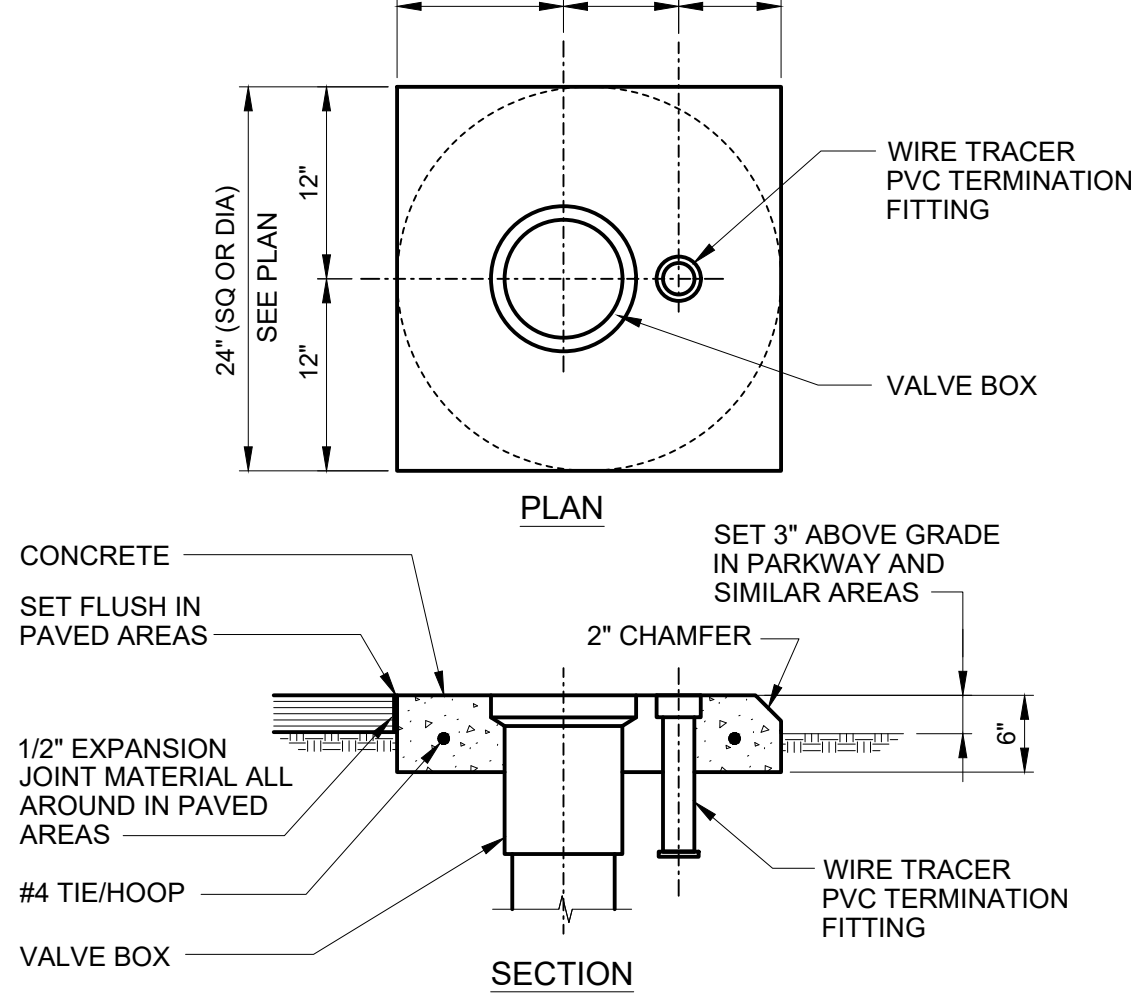
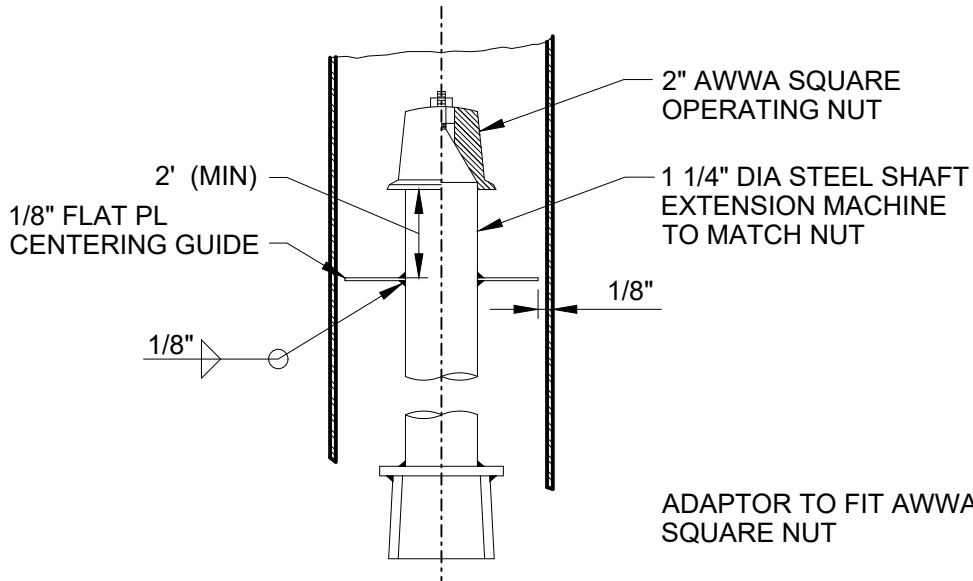
TULALIP TRIBES	DESIGNED <u>M. VASILEV</u>	DRAWING GC-3
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	DRAWN <u>R. WOOD</u>	
	CHECKED <u>J. BURGI</u>	
	PROJECT DATE <u>06/29/26</u>	

CIVIL STANDARD DETAILS - 2

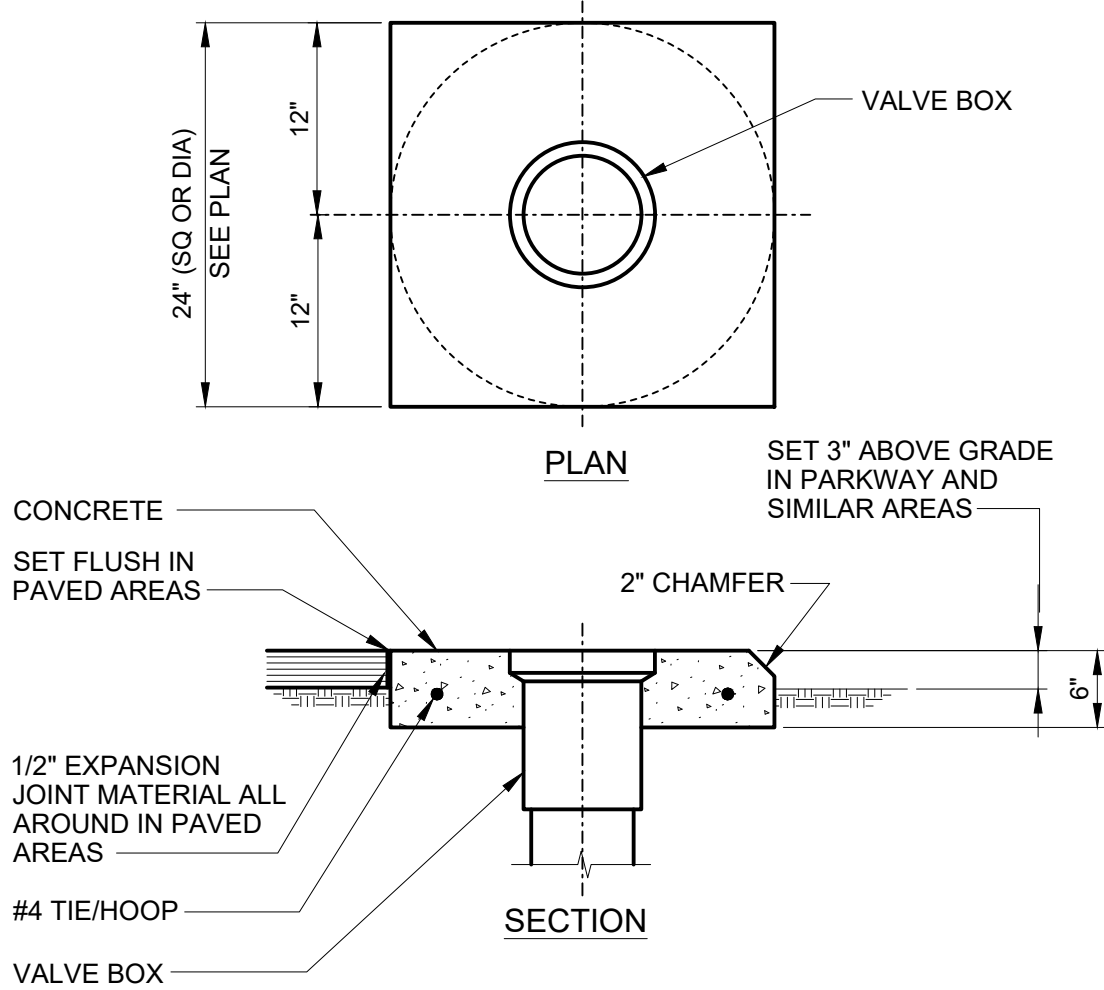


NOTES:
PROVIDE PROTECTIVE COATING TO EXTERIOR SURFACE OF VALVE BODY IN ACCORDANCE WITH SPECS.
FOR LUBRICATED PLUG VALVE, EXTEND LUBRICATION LINE TO GRADE PER MANUFACTURES INSTRUCTIONS.

C-640 BURIED VALVE INSTALLATION
REV 010119



C-641 VALVE BOX COLLAR
REV 010119



C-900 PEDESTAL ACTUATOR

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REV	DATE	BY	DESCRIPTION	

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NOT FOR CONSTRUCTION

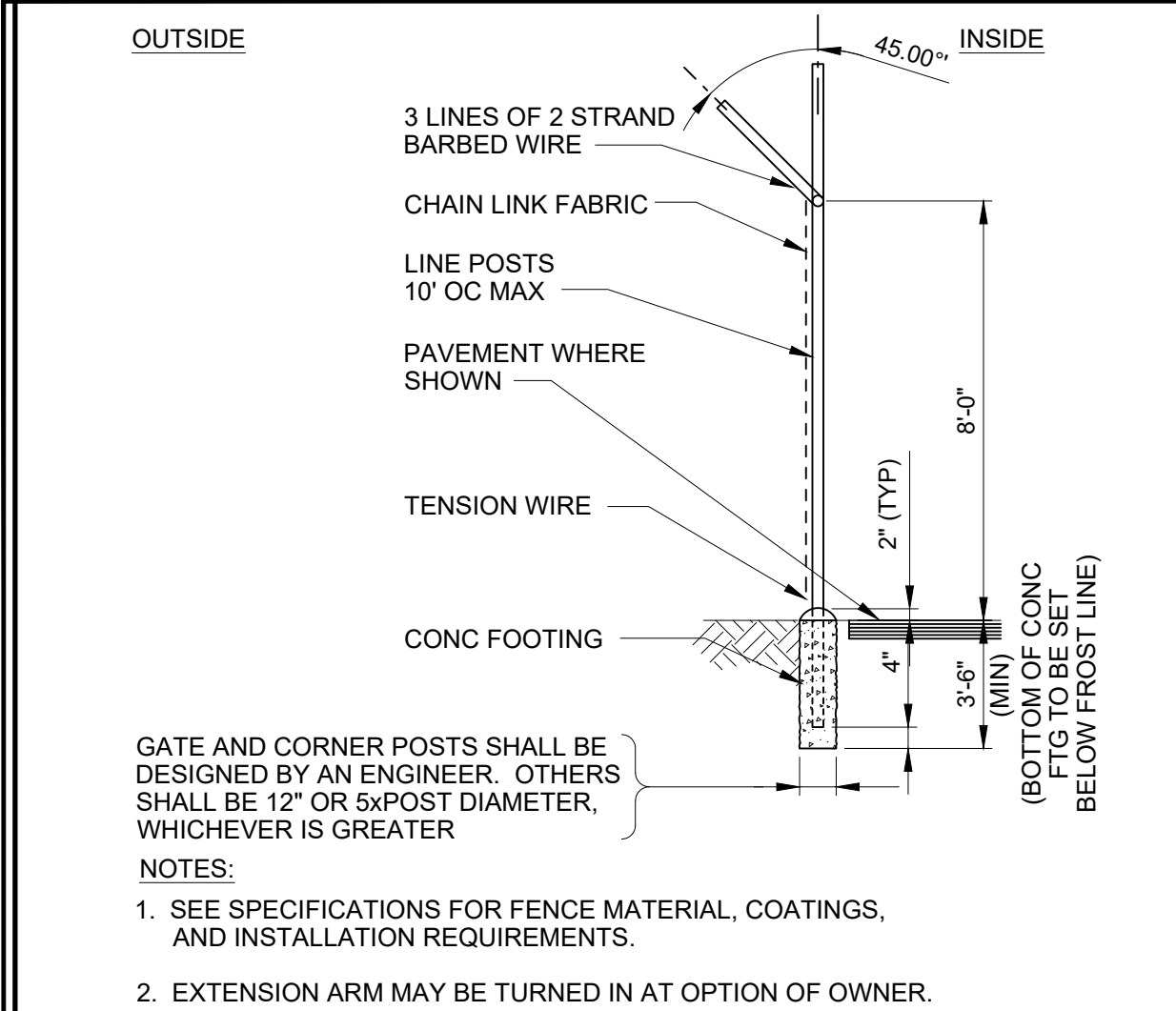
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TULALIP TRIBES	
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	
CIVIL STANDARD DETAILS - 3	

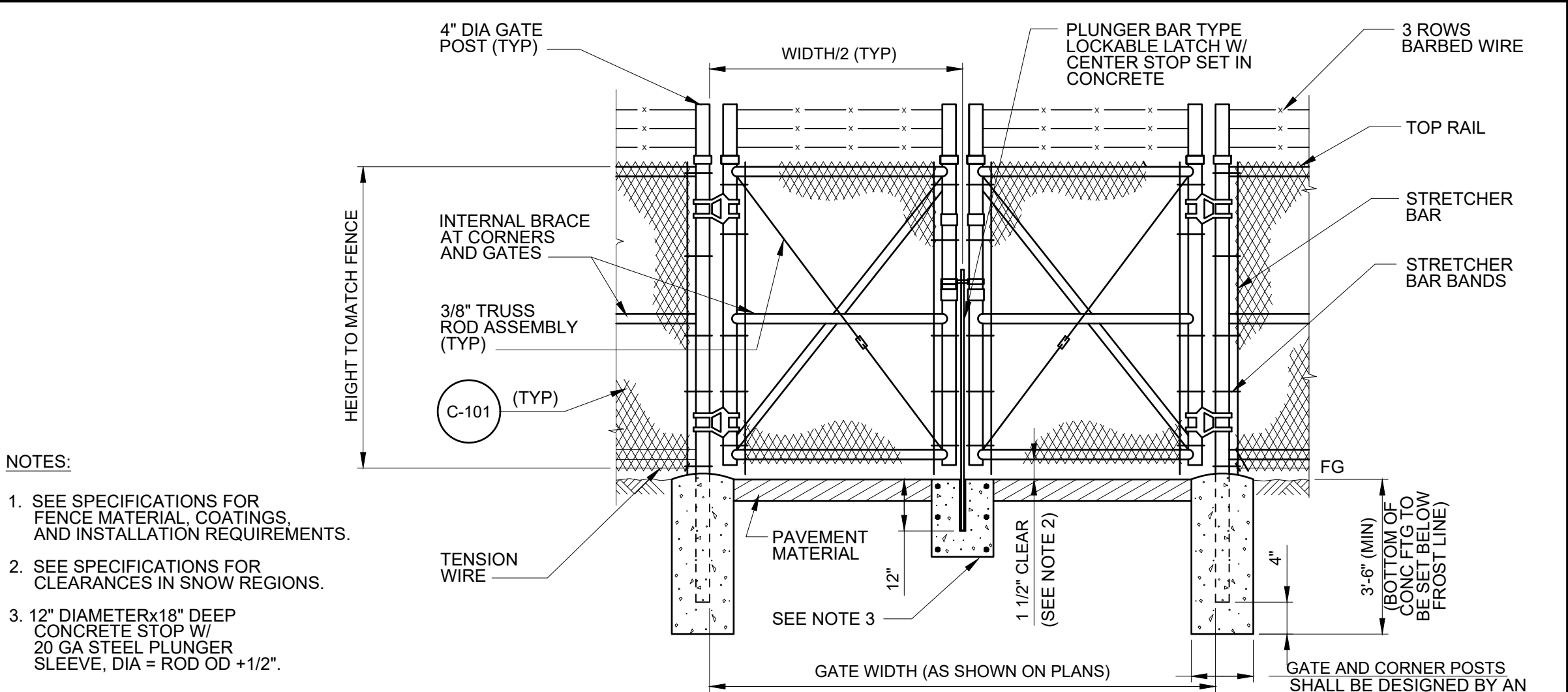
DESIGNED _____ M. VASILEV
DRAWN _____ R. WOOD
CHECKED _____ J. BURGI
PROJECT DATE _____ 06/29/26

DRAWING
GC-4



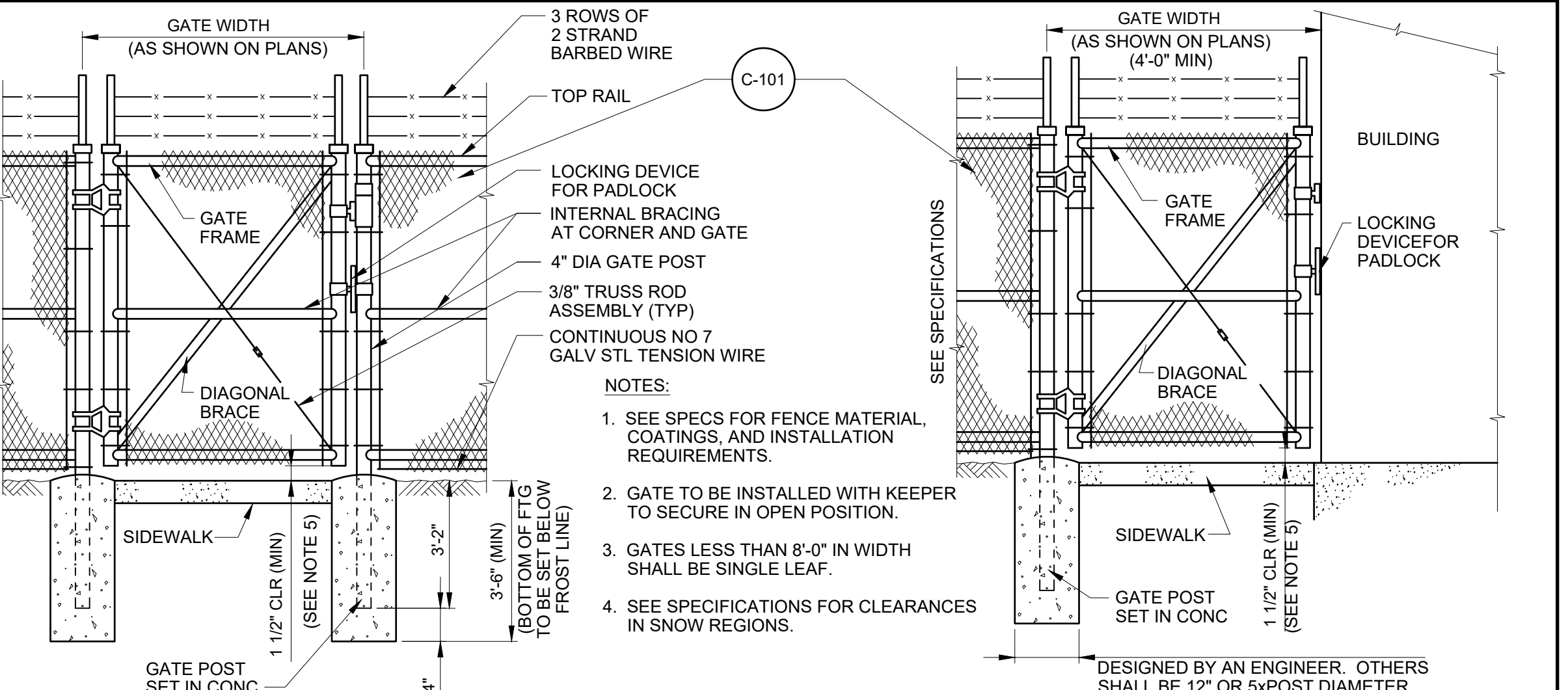
C-101 CHAIN LINK FENCE

REV 010119



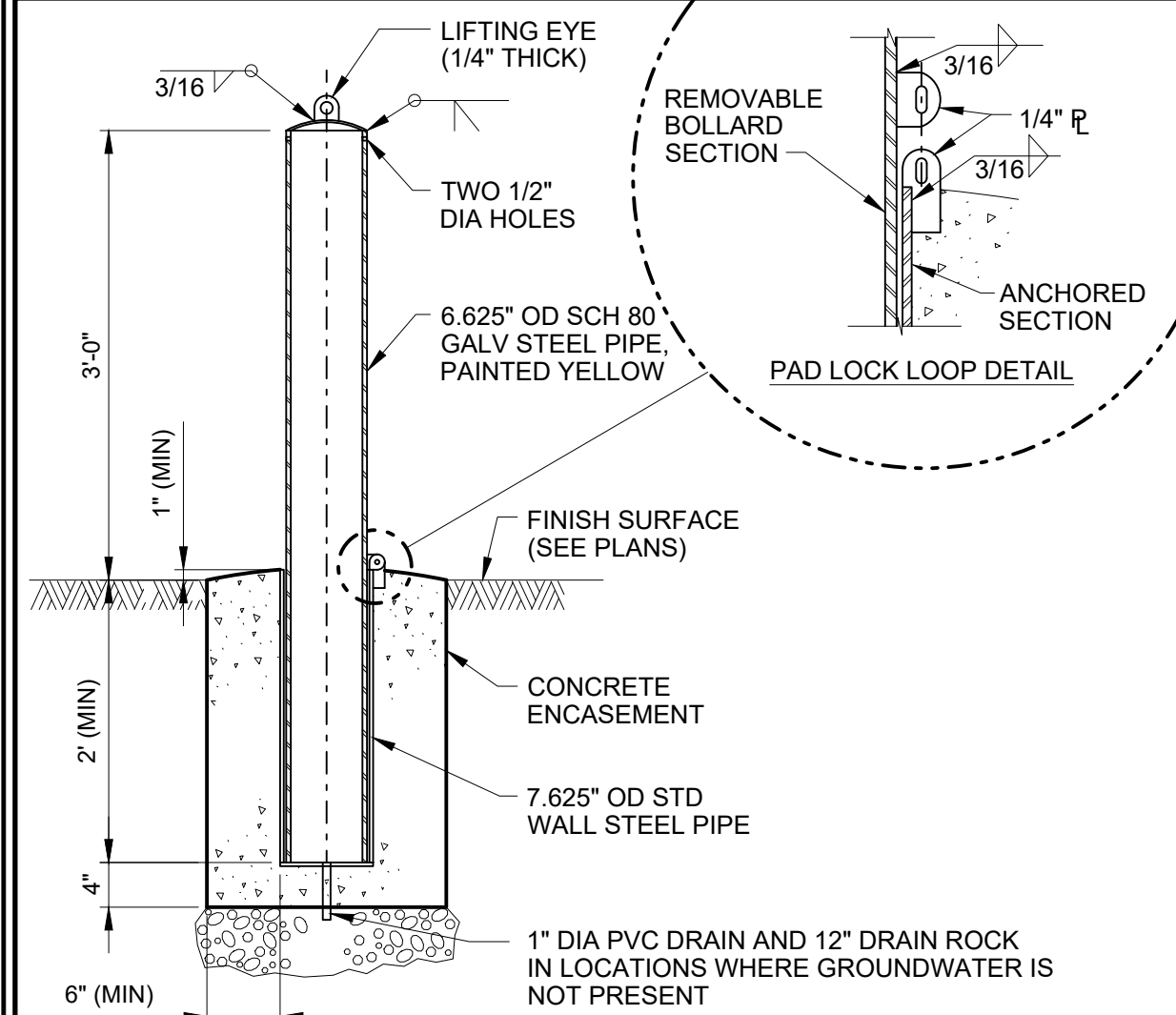
C-102 DOUBLE LEAF GATE

REV 010119



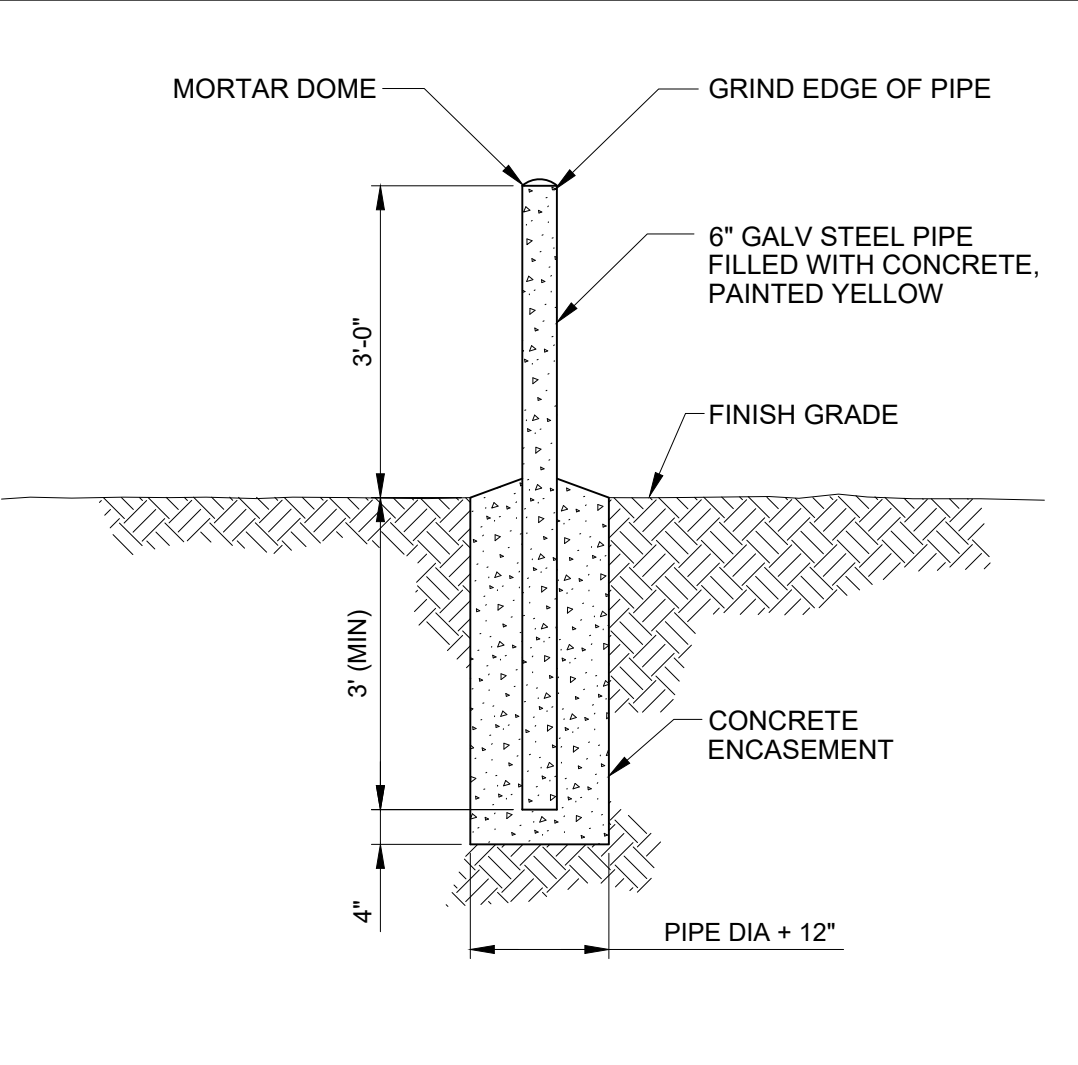
C-103 SINGLE LEAF PEDESTRIAN GATE

REV 010119



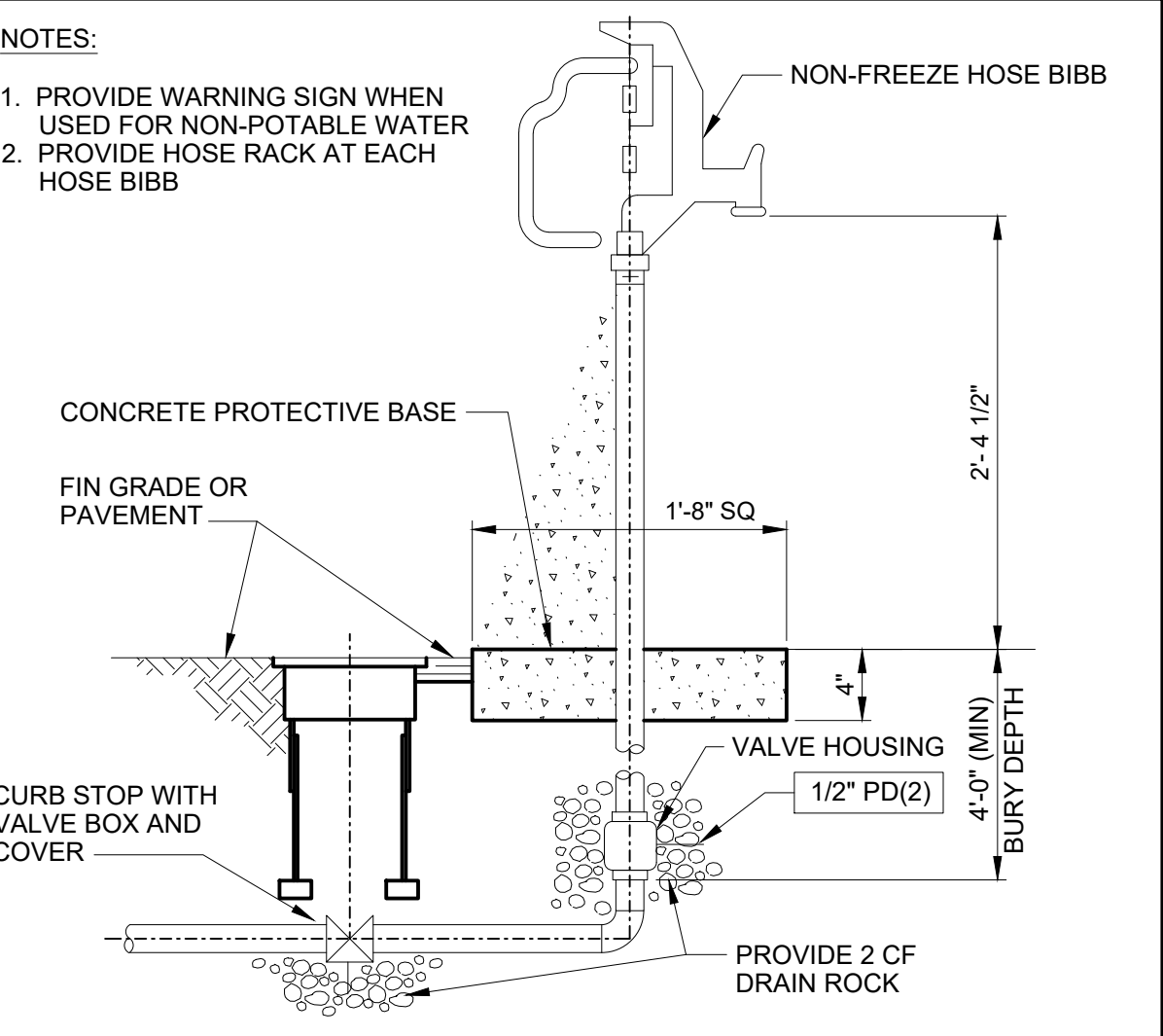
C-113 REMOVABLE GUARD POST

REV 010119



C-114 GUARD POST

REV 010119



C-627 NON-FREEZE YARD HYDRANT

REV 010119

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REV	DATE	BY	DESCRIPTION	

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DRAWING IS NOT TO SCALE



TULALIP TRIBES	DESIGNED <u>M. VASILEV</u> DRAWN <u>R. WOOD</u> CHECKED <u>J. BURGI</u> PROJECT DATE <u>06/29/26</u>	DRAWING GC-5
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT		
CIVIL STANDARD DETAILS - 4		



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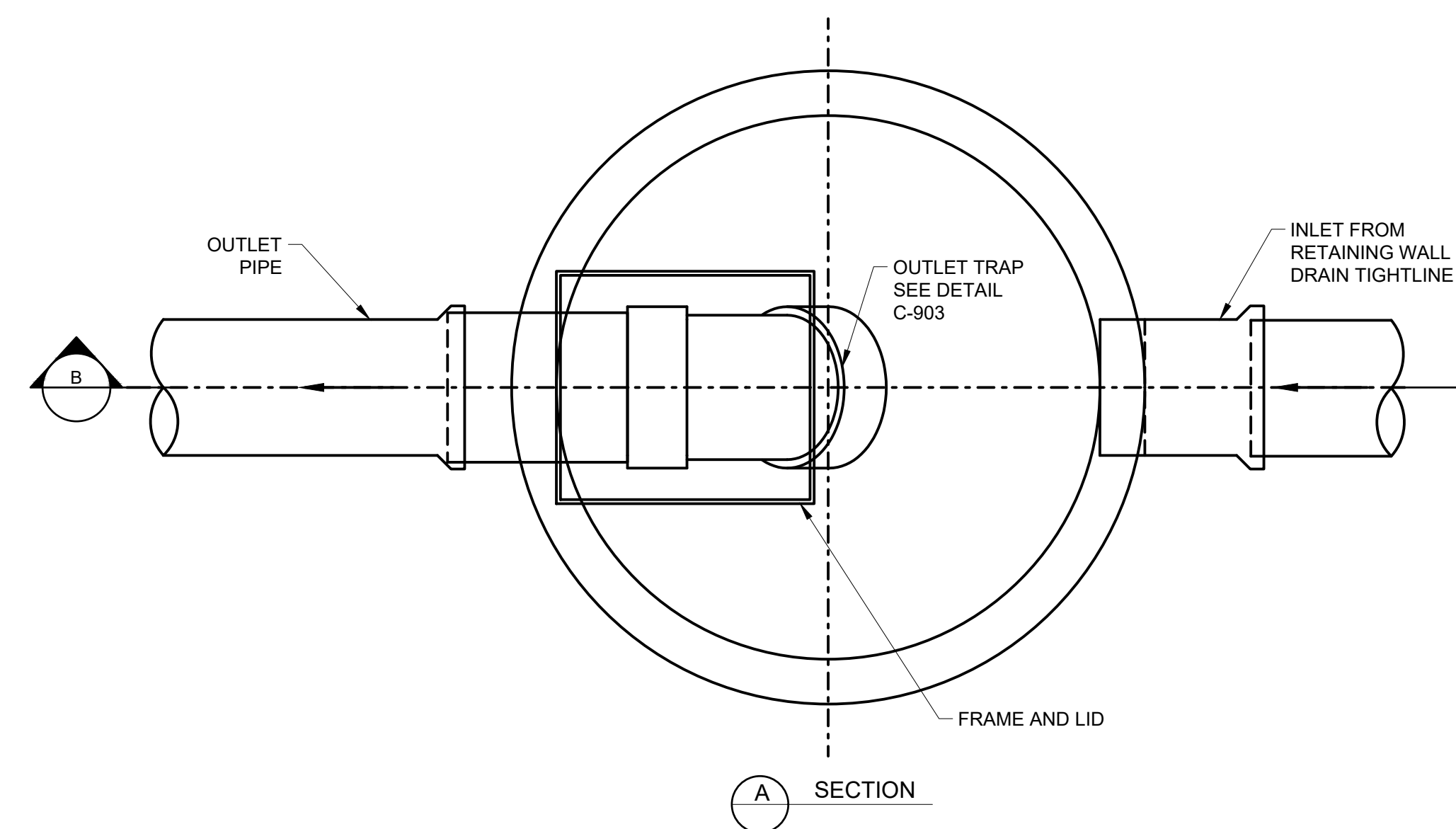
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CIVIL STANDARD DETAILS - 5

DESIGNED M. VASILEV
DRAWN R. WOOD
CHECKED J. BURGI
PROJECT DATE 06/29/26

GC-6



Technical drawing of a mechanical part showing a side view and a cross-section A-A.

Side View Dimensions:

- Base width: 2" and 6"
- Height: 10"
- Total height: D MINUS 1/2"
- Section line A-A at an angle of 31°

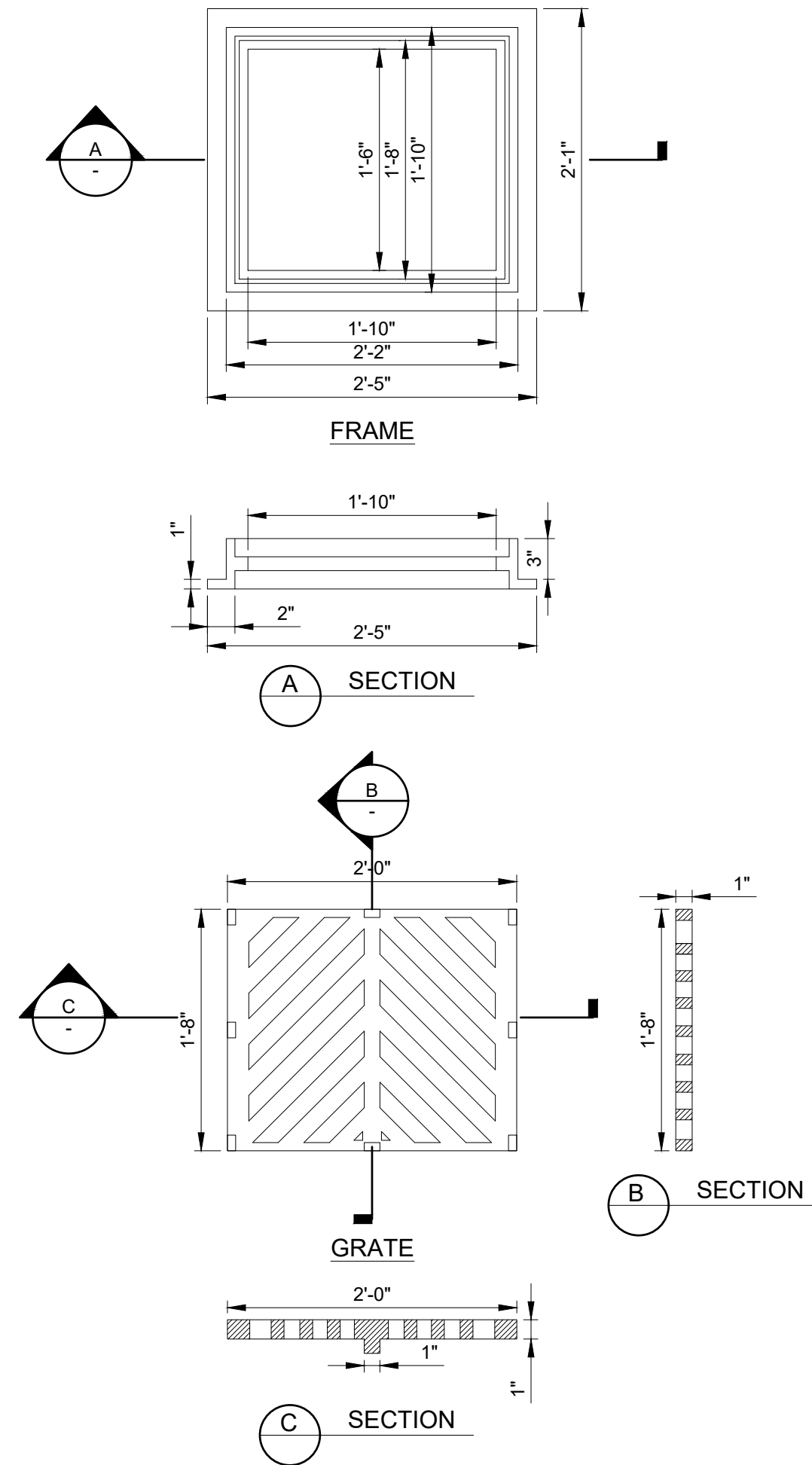
Cross-section A-A:

- Outer diameter: 0.5"
- Inner diameter: 3"

SECTION

NOTE:

1. TRAP MADE OF 22 GA SHEET METAL OR 16 GA ALUMINUM
2. ALL JOINTS TO BE SEAMED/SOLDERED OR WELDED.
3. D=DIAMETER OF OUTLET PIPE LIFT HANDLE TO OUTSIDE OF TRAP.



C-904 CATCH BASIN FRAME AND LID

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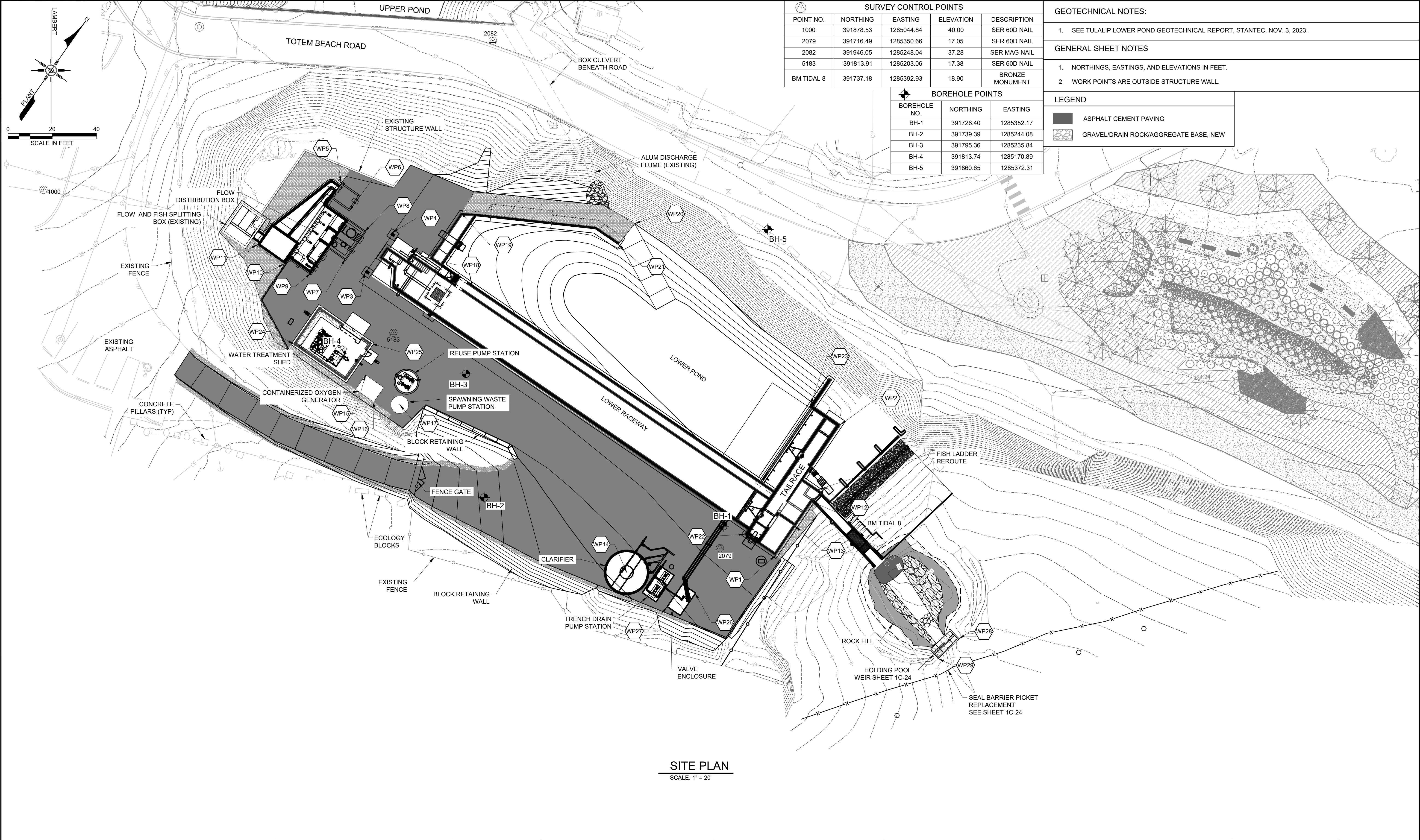
TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT

CIVIL STANDARD DETAILS - 6

DESIGNED M. VASILEV
DRAWN R. WOOD
CHECKED J. BURGI
PROJECT DATE 06/29/26

DRAWING

GC-7



SURVEY CONTROL POINTS				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
1000	391878.53	1285044.84	40.00	SER 60D NAIL
2079	391716.49	1285350.66	17.05	SER 60D NAIL
2082	391946.05	1285248.04	37.28	SER MAG NAIL
5183	391813.91	1285203.06	17.38	SER 60D NAIL
BM TIDAL 8	391737.18	1285392.93	18.90	BRONZE MONUMENT

BOREHOLE POINTS		
BOREHOLE NO.	NORTHING	EASTING
BH-1	391726.40	1285352.17
BH-2	391739.39	1285244.08
BH-3	391795.36	1285235.84
BH-4	391813.74	1285170.89
BH-5	391860.65	1285372.31

GEOTECHNICAL NOTES:	
1. SEE TULALIP LOWER POND GEOTECHNICAL REPORT, STANTEC, NOV. 3, 2023.	
GENERAL SHEET NOTES	
1. NORTHINGS, EASTINGS, AND ELEVATIONS IN FEET.	
2. WORK POINTS ARE OUTSIDE STRUCTURE WALL.	
LEGEND	
[Pattern] ASPHALT CEMENT PAVING	
[Pattern] GRAVEL/DRAIN ROCK/AGGREGATE BASE, NEW	

SITE PLAN
SCALE: 1" = 20'

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TULALIP TRIBES	
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	
SITE PLAN AND SURVEY CONTROL	

DRAWING	
DESIGNED	M. VASILEV
DRAWN	R. WOOD
CHECKED	J. BURGI
PROJECT DATE	06/29/26
1C-1	

EROSION AND SEDIMENT CONTROL NOTES:

1. THE CONTRACTOR SHALL OBTAIN A CONSTRUCTION GENERAL PERMIT UNDER THE (EPA) NATIONAL POLLUTANT DISCHARGE AND ELIMINATION SYSTEM (NPDES) PERMIT FROM THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY FOR THIS PROJECT. THE CONTRACTOR SHALL FILE A NOTICE OF INTENT (NOI) AND APPLY FOR A PERMIT 60 DAYS PRIOR TO DISCHARGING STORMWATER. THE CONTRACTOR SUBMIT THE PERMIT APPLICATION ON LINE FROM THE EPA WEBSITE AT: <http://cfpub.epa.gov/npdes/npdesnoi.cfm>.
2. THE CONTRACTOR SHALL USE ALL REASONABLE MEASURES TO MINIMIZE THE IMPACTS OF CONSTRUCTION ACTIVITY ON SURFACE AND GROUND WATERS. WATER QUALITY CONSTITUENTS OF PARTICULAR CONCERN ARE TURBIDITY, SUSPENDED SEDIMENTS, SETTLEABLE SOLIDS.
3. THE CONTRACTOR SHALL USE PROPER EROSION AND SEDIMENT CONTROL PRACTICES ON THE CONSTRUCTION SITE AND ADJACENT CONSTRUCTION STAGING AREAS TO PREVENT EROSION IN AND DOWNHILL OF DISTURBED AREAS, AND TO PREVENT THE DISCHARGE OF UPLAND SEDIMENTS OR SEDIMENT-LADEN WATER INTO THE WETLANDS, WATER BODIES, AND LOCAL DRAINAGE DITCHES. EXCEPT FOR TEMPORARILY SIDECAST OR TRENCH EXCAVATION, ALL STOCKPILES SHALL BE LOCATED NO CLOSER THAN 100 FEET FROM THE BOUNDARY OF ANY CRITICAL AREA AND SHALL NOT BE PLACED IN ANY UNDISTURBED AREA.
4. THE MEASURES SHOWN ON THESE PLANS ARE THE MINIMUM THAT ARE REQUIRED FOR THE ANTICIPATED SITE CONDITIONS. THE CONTRACTOR SHALL PROVIDE ADDITIONAL MEASURES AS NEEDED DUE TO WEATHER, AND/OR FIELD CONDITIONS, AND/OR CONSTRUCTION ACTIVITIES, AND/ OR AS DIRECTED BY THE ENGINEER.
5. THE CONTRACTOR SHALL NOT DISCHARGE TURBID WATER GENERATED FROM CONSTRUCTION ACTIVITIES, INCLUDING TURBID DEWATERING WATER, DIRECTLY TO THE CREEKS OR TO ANY OF THE DRAINAGE DITCHES THAT DRAIN TO THE CREEKS BEFORE THE SOLIDS HAVE SETTLED OUT OF THE WATERS. ALL SURFACE WATER FLOWS IN DITCHES, OR CULVERTS SHALL BE MAINTAINED, SUCH THAT FLOW IS NOT DISRUPTED DURING OR AFTER CONSTRUCTION. ANY INTENTIONAL DEWATERING DISCHARGES TO SURFACE WATERS MUST FIRST PASS THROUGH SEDIMENT TANKS (BAKER TANKS). THE MAXIMUM ALLOWABLE TURBIDITY IS 25 NTUS. THE APPROXIMATE TOTAL VOLUME OF TANKS REQUIRED EQUALS DEWATERING FLOW (GPM) X 16 = CUBIC FEET OF WET STORAGE REQUIRED. A FLOW METER MUST BE INSTALLED ON THE COMBINED DISCHARGE PIPE.
6. THE TESC'S SHALL REMAIN IN PLACE THROUGHOUT THE WORK. INSTALLED EROSION AND SEDIMENT CONTROL MEASURES SHALL ONLY BE REMOVED UPON STABILIZATION OF DISTURBED AREAS AND WITH THE APPROVAL OF THE ENGINEER.
7. THE CONTRACTOR SHALL SEED, PLANT, COVER WITH PLASTIC, MULCH, OR PROVIDE SOME OTHER EQUIVALENT TYPE OF PROTECTION AGAINST EROSION TO ALL EARTHEN AREAS DISTURBED OR NEWLY CREATED BY THE PROJECT CONSTRUCTION.
8. THE CONTRACTOR SHALL PROVIDE REGULAR INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL STRUCTURES. SEDIMENT CONTROL MEASURES SHALL BE IN WORKING CONDITION AT ALL TIMES. THE CONTRACTOR SHALL REPAIR, REPLACE, AND INSTALL ADDITIONAL MEASURES SO THAT THEY ARE EFFECTIVE IN PREVENTING EROSION AND SEDIMENTATION.
9. AFTER ANY SIGNIFICANT RAINFALL, THE CONTRACTOR SHALL INSPECT SEDIMENT CONTROL STRUCTURES FOR INTEGRITY. ANY DAMAGED DEVICES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND REPAIRED IMMEDIATELY.
10. FOLLOWING CONSTRUCTION, THE CONTRACTOR SHALL RESTORE TO ORIGINAL CONDITION, THE DISTURBED AREAS, AND ACHIEVE AN ADEQUATE VEGETATIVE COVER BEFORE REMOVING ANY SEDIMENT TRAPS OR SETTLING BASINS AND THEIR ASSOCIATED TEMPORARY DIVERSION DITCHES. THE CONTRACTOR SHALL CLEAN OUT TEMPORARY SETTLING BASINS (SEDIMENT TRAPS) AND REMOVE THE SETTLED SEDIMENTS OR HYDROSEED THE AREA (IF IN BARE LAND) BEFORE REMOVING THE SETTLING BASINS. SETTLED SEDIMENTS SHALL NOT BE ALLOWED TO ENTER ANY STREAM OR DITCH AS A RESULT OF RUNOFF THAT MAY OCCUR AFTER CONSTRUCTION IS COMPLETED.
11. ALL TEMPORARY SURFACING OR OTHER APPROVED MATERIAL USED FOR TEMPORARY SURFACING OF THE CONSTRUCTION STAGING AND WORK AREAS SHALL BE REMOVED AND DISPOSED OF AT THE COMPLETION OF THE PROJECT. RESTORATION OF THE GROUND SURFACE SHALL BE COMPLETED IMMEDIATELY AFTER REMOVAL OF MATERIAL.
12. THE CONTRACTOR SHALL SET ASIDE A SEPARATE AREA ON SITE WHICH DOES NOT HAVE ANY POSSIBILITY OF DRAINING TO SURFACE WATERS, FOR THE WASH-OUT OF CONSTRUCTION EQUIPMENT AND TOOLS.
13. THE CONTRACTOR SHALL NOT DISCHARGE ANY CLEANING SOLVENTS OR CHEMICALS UTILIZED FOR TOOL OR EQUIPMENT CLEANING TO THE GROUND. REFUELING OF EQUIPMENT SHALL BE CONDUCTED AWAY FROM THE DRAINAGE DITCHES AND CRITICAL AREAS AND DONE IN SUCH A MANNER AS TO PREVENT SPILLS FROM ENTERING THE GROUNDWATER OR WATERBODIES (INCLUDING WETLANDS) ALL MOBILE EQUIPMENT MUST NOT BE REFUELED WITHIN THE CONSTRUCTION LIMITS OF THE AGRICULTURAL FIELDS OR WETLANDS.
14. THE CONTRACTOR SHALL TAKE EXTREME CARE TO PREVENT ANY PETROLEUM PRODUCTS, CHEMICALS, OR OTHER TOXIC OR DELETERIOUS MATERIALS FROM ENTERING THE GROUNDWATER IN ANY MANNER. CONTRACTOR SHALL SUPPLY AND STOCK CHEMICAL SPILL KITS AT PROJECT SITE AT ALL TIMES.
15. ALL GROUNDWATER PUMPED FROM EXCAVATED TRENCHES SHALL BE TREATED IN PORTABLE SEDIMENT TANKS OR TEMPORARY SETTLING BASINS AND RELEASED AT LESS THAN 25 NTUS OF TURBIDITY.
16. TEST DECHLORINATED WATER TO VERIFY THAT A MAXIMUM CHLORINE RESIDUAL OF 0.0 MG/L AND A MINIMUM DISSOLVED OXYGEN LEVEL OF 1.0 PPM IS OBTAINED PRIOR TO DISCHARGING. DISCHARGE AREAS SHALL BE LOCATED AT LEAST 200 FEET FROM THE ON SITE CREEKS .
17. INSTALL BARRIER FENCE AND SILT PROTECTION ALONG PERIMETER OF WORK SITE AS SHOWN ON STAGING AND TESC PLANS.
18. DURING THE WET SEASON, FROM OCTOBER 1 THROUGH APRIL 30, FOR PROJECT AREAS OUTSIDE OF DESIGNATED WETLANDS THE PROJECT WILL FOLLOW SPECIAL EROSION CONTROL MEASURES AS SHOWN BELOW. THESE INCLUDE:

DENUDED AREAS AND SOILS EXPOSED FOR A PERIOD OF GREATER THAN 48 HOURS SHALL BE PROTECTED FROM POSSIBLE EROSION BY THE APPLICATION OF A COVER, MULCH OR OTHER SATISFACTORY METHOD OF STABILIZATION.

ALL INSTALLED EROSION CONTROL MEASURES , INCLUDING SILT FENCING, SEDIMENT TRAPS, CHECK DAMS AND STORMWATER DIVERSION BERMS/SWALES, SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER ANY RAINFALL EVENT GREATER THAN ONE INCH IN A 24-HOUR PERIOD. ACCUMULATED SEDIMENT SHALL BE REMOVED IMMEDIATELY AND REPAIRS MADE TO ANY DAMAGED OR MALFUNCTIONING EROSION CONTROL DEVICES.
19. INSTALL TEMPORARY COVER MEASURES OF DISTURBED SOILS NOT CURRENTLY BEING WORKED. FROM OCTOBER 1 TO APRIL 30 (WET SEASON), NO UNWORKED SOIL SHALL REMAIN EXPOSED FOR MORE THAN 48 HOURS. TEMPORARY MEASURES MAY INCLUDE SOD, STRAW MULCH, PLASTIC, AND/ OR HYDROSEEDING AS APPROVED BY THE OWNER.
20. THE IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL PLAN AND CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPGRADING OF THE EROSION AND SEDIMENT CONTROL MEASURES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE UNTIL FINAL ACCEPTANCE BY THE OWNER AND ALL PERMITS RELATED TO TEMPORARY EROSION AND SEDIMENT CONTROL ARE TERMINATED.
21. THE CONTRACTOR SHALL SUBMIT AND HAVE A DETAILED STORM WATER POLLUTION PREVENTION PLAN, STAMPED AND SIGNED BY A CESCL REGISTERED IN THE STATE OF WASHINGTON ACCEPTED BY THE OWNER AND SHALL INSTALL ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES (TESC's) PRIOR TO PERFORMING ANY CLEARING OR OTHER EARTH DISTURBING ACTIVITIES AT THE PROJECT SITE.

22. THE CONTRACTOR SHALL FOLLOW AND IMPLEMENT ALL SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL SPECIFIED IN THE CONTRACT DOCUMENTS. ADJUSTMENTS TO PLANNED EROSION AND SEDIMENT CONTROL MAY BE NECESSARY TO SUCCESSFULLY CONTROL SILTATION FROM THE SITE WHICH IS NOT COVERED UNDER THIS TEMPORARY EROSION AND SEDIMENT CONTROL PLAN.
23. ALL EROSION AND SEDIMENTATION CONTROL DEVICES SHOWN ON THIS DRAWING SHALL BE INSTALLED PRIOR TO OR AS THE FIRST STAGE OF SITE PREPARATION.
24. SHOULD THE TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THIS DRAWING NOT PROVE ADEQUATE TO CONTROL EROSION AND SEDIMENTATION, THE CONTRACTOR SHALL INSTALL ADDITIONAL FACILITIES AS NECESSARY TO PROTECT ADJACENT PROPERTIES, SENSITIVE AREAS, NATURAL WATER COURSES, AND/OR STORM DRAINAGE SYSTEMS.
25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD LOCATING THE CLEARING LIMITS AND ESTABLISHING THOSE BOUNDARIES WITH BRIGHT COLORED FLAGGING. THE CONTRACTOR SHALL CLEAR TO THE LIMITS AS ESTABLISHED ON THIS PLAN AND AS APPROVED.
26. IF THE STABILIZED CONSTRUCTION ENTRANCE IS NOT PREVENTING THE SPREAD OF SOIL OFF OF THE SITE (TRACKOUT), THEN THE CONTRACTOR SHALL PROVIDE STREET SWEEPING ON ADJACENT PAVED SURFACES AND EVALUATE THE CONSTRUCTION ENTRANCE FOR REPLACEMENT.
27. CONCRETE WASH WATER SHALL BE HAULED OFF-SITE AND DISPOSED AT A LOCATION WHERE IT CAN NOT ENTER SURFACE WATERS. IF CONCRETE WASH WATER IS COMBINED WITH GENERAL DEWATERING FLOW, THEN DAILY SAMPLING FOR PH IS REQUIRED.

TESC CONSTRUCTION SEQUENCE

THE FOLLOWING CONSTRUCTION SEQUENCE PROVIDES A CONCEPTUAL APPROACH TO THE CONSTRUCTION ACTIVITIES REQUIRED BY THIS PROJECT. THE CONTRACTOR IS REQUIRED TO SUBMIT A MORE DETAILED CONSTRUCTION SCHEDULE AS PART OF THE TESC PLAN AS DEFINED IN THE CONTRACT DOCUMENTS. THE SEQUENCE OF CONSTRUCTION INCLUDES PRECONSTRUCTION ACTIVITIES AND TESC CONSTRUCTION.

PRECONSTRUCTION TESC ACTIVITIES

1. PREPARE CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN (SWPPP) ALSO KNOWN AS A TEMPORARY EROSION AND SEDIMENT CONTROL PLAN (TESC PLAN).
2. PREPARE SPILL PREVENTION, CONTROL AND COUNTER MEASURE PLAN.
3. ATTEND PRECONSTRUCTION CONFERENCE.

TESC CONSTRUCTION

1. CLEARLY FLAG THE LIMITS OF CONSTRUCTION SHOWN ON THE DRAWINGS AND ESTABLISH STAGING AREA LIMITS.
2. WITHIN THE LIMITS OF CONSTRUCTION, FLAG ALL TREES TO BE SAVED AND OTHER VEGETATION TO REMAIN UNDISTURBED FOR THE APPROVAL OF THE ENGINEER.
3. CONSTRUCT ACCESS ROAD(S) AND INSTALL STABILIZED CONSTRUCTION ENTRANCE(S) AS SHOWN ON THE DRAWINGS.
4. INSTALL TEMPORARY SILT FENCING AS SHOWN ON THE DRAWINGS.
5. INSTALL SOIL PROTECTION MEASURES IN WETLANDS AS DESCRIBED IN CONTRACT DOCUMENTS.
6. PERFORM SITE GRADING.
7. UPON COMPLETION OF THE PROJECT, STABILIZE AND RESEED/REPLANT ALL DISTURBED AREAS.
8. PERFORM FINAL CLEAN UP.
9. REMOVE AND DISPOSE OF TESC BMPS.

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TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT
EROSION AND SEDIMENT CONTROL NOTES

DESIGNED M. VASILEV

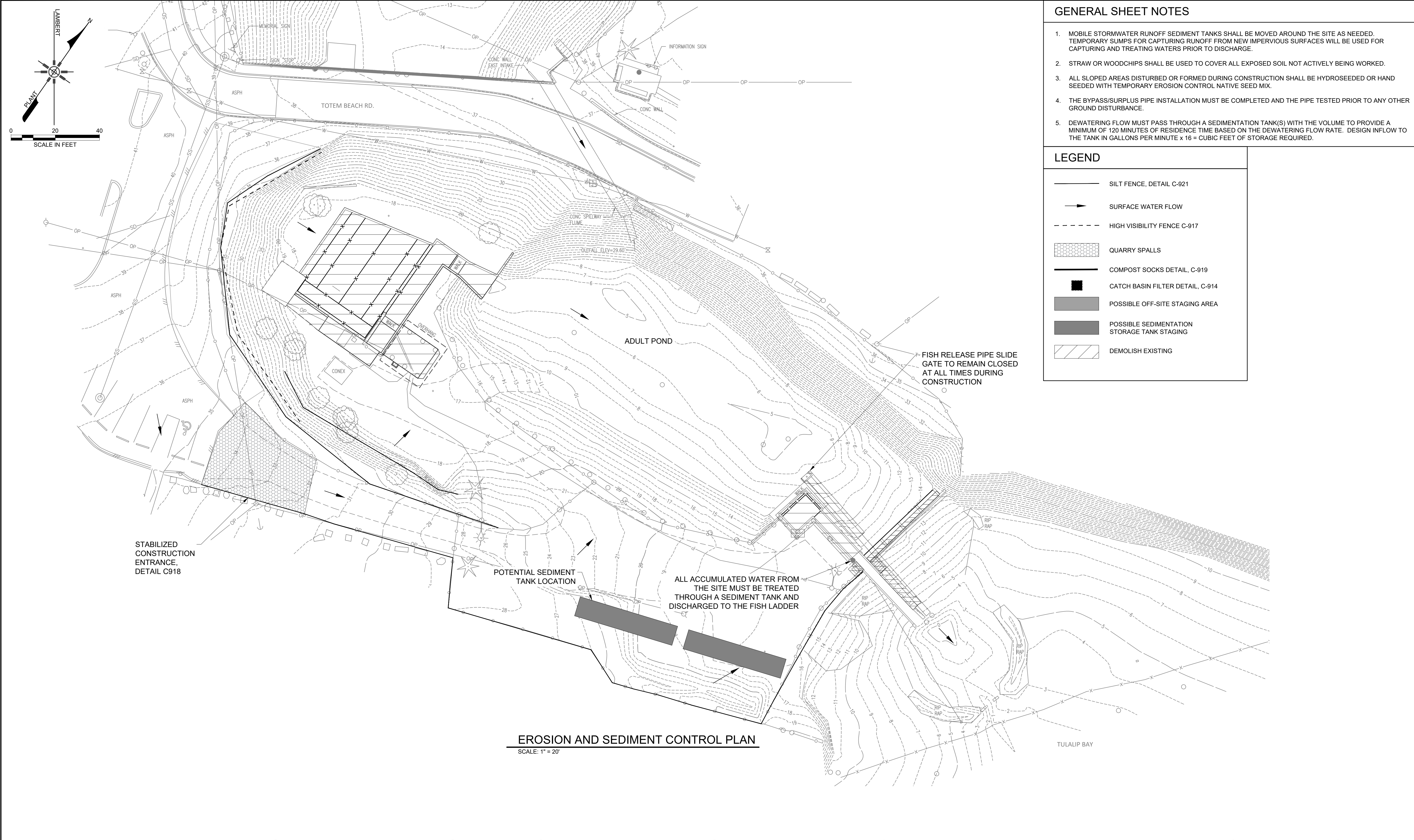
DRAWN R. WOOD

CHECKED J. BURGI

PROJECT DATE 06/29/26

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1C-3



GENERAL SHEET NOTES

1. MOBILE STORMWATER RUNOFF SEDIMENT TANKS SHALL BE MOVED AROUND THE SITE AS NEEDED. TEMPORARY SUMPS FOR CAPTURING RUNOFF FROM NEW IMPERVIOUS SURFACES WILL BE USED FOR CAPTURING AND TREATING WATERS PRIOR TO DISCHARGE.
2. STRAW OR WOODCHIPS SHALL BE USED TO COVER ALL EXPOSED SOIL NOT ACTIVELY BEING WORKED.
3. ALL SLOPED AREAS DISTURBED OR FORMED DURING CONSTRUCTION SHALL BE HYDROSEEDING OR HAND SEEDED WITH TEMPORARY EROSION CONTROL NATIVE SEED MIX.
4. THE BYPASS/SURPLUS PIPE INSTALLATION MUST BE COMPLETED AND THE PIPE TESTED PRIOR TO ANY OTHER GROUND DISTURBANCE.
5. DEWATERING FLOW MUST PASS THROUGH A SEDIMENTATION TANK(S) WITH THE VOLUME TO PROVIDE A MINIMUM OF 120 MINUTES OF RESIDENCE TIME BASED ON THE DEWATERING FLOW RATE. DESIGN INFLOW TO THE TANK IN GALLONS PER MINUTE x 16 = CUBIC FEET OF STORAGE REQUIRED.

LEGEND

- SILT FENCE, DETAIL C-921
- SURFACE WATER FLOW
- - - - - HIGH VISIBILITY FENCE C-917
- [Pattern] QUARRY SPALLS
- [Thick Line] COMPOST SOCKS DETAIL, C-919
- [Black Box] CATCH BASIN FILTER DETAIL, C-914
- [Grey Box] POSSIBLE OFF-SITE STAGING AREA
- [Dark Grey Box] POSSIBLE SEDIMENTATION STORAGE TANK STAGING
- [Diagonal Lines] DEMOLISH EXISTING

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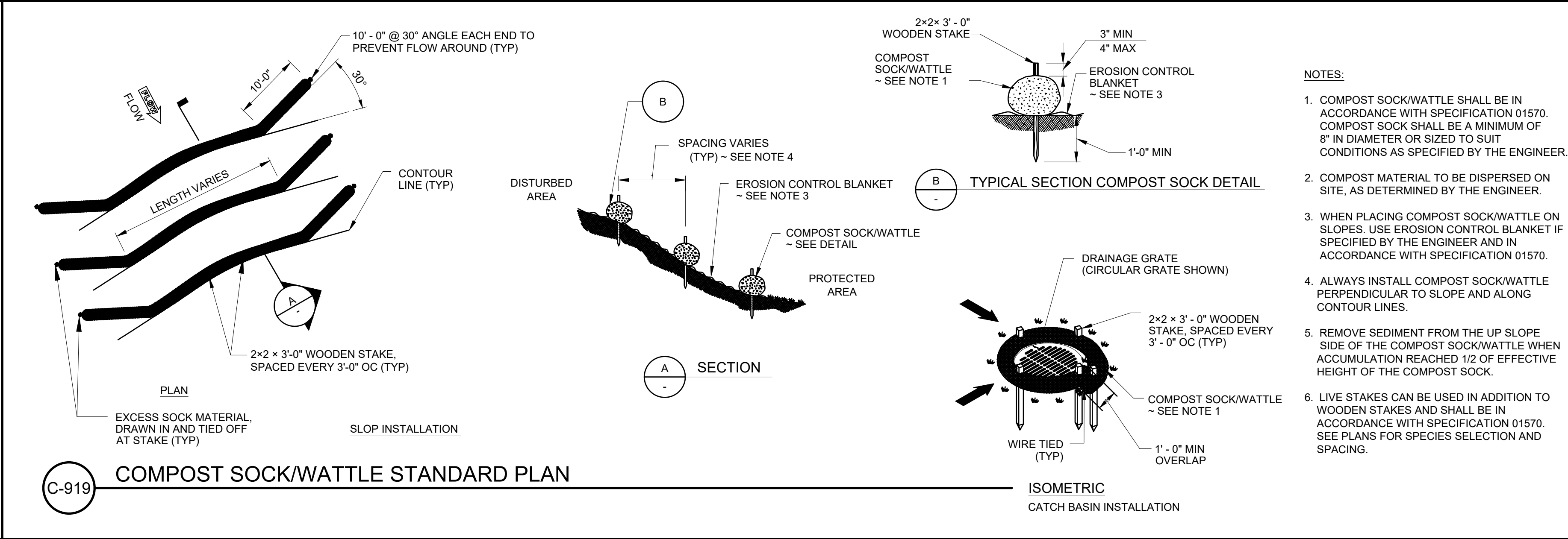
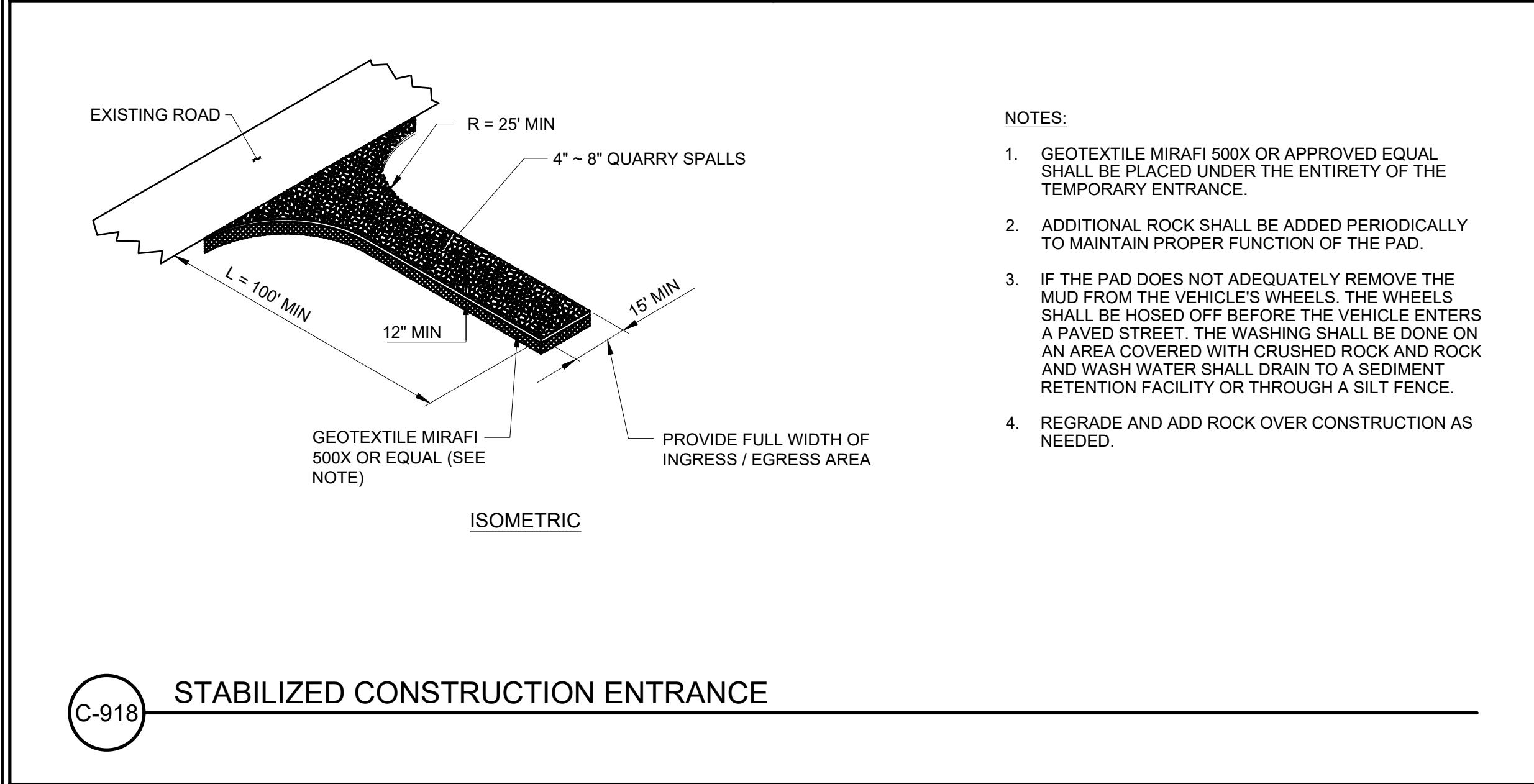
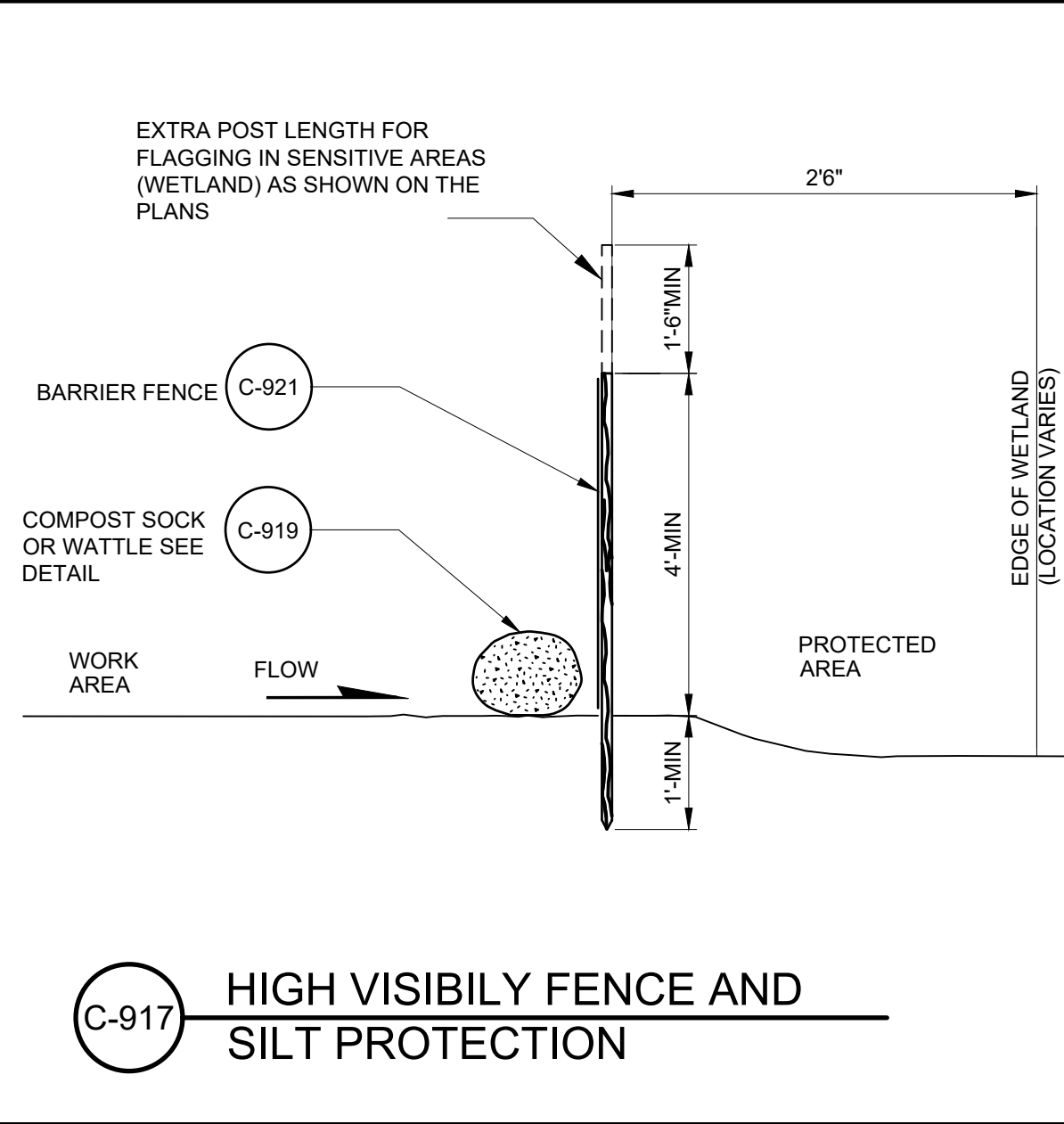
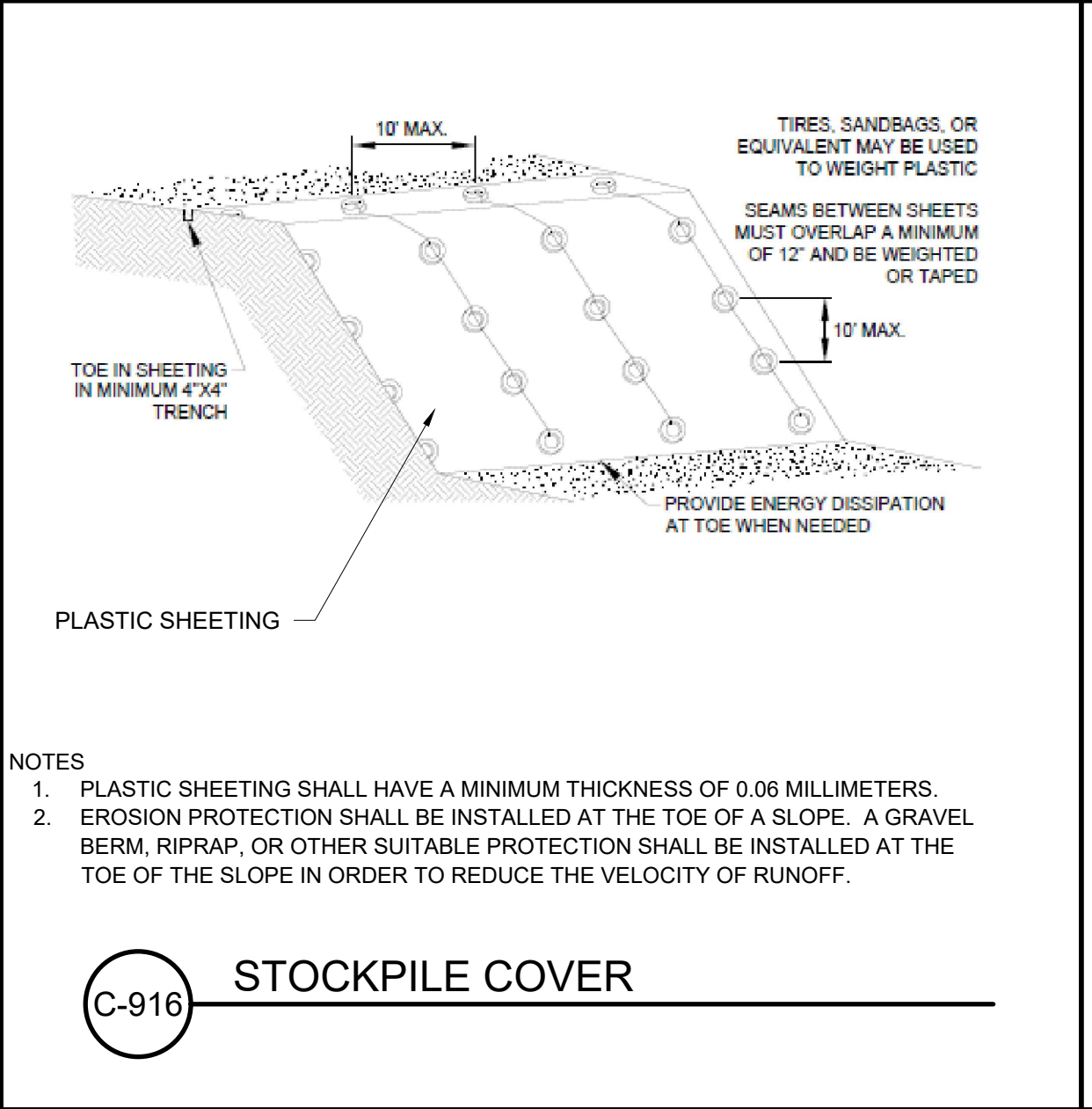
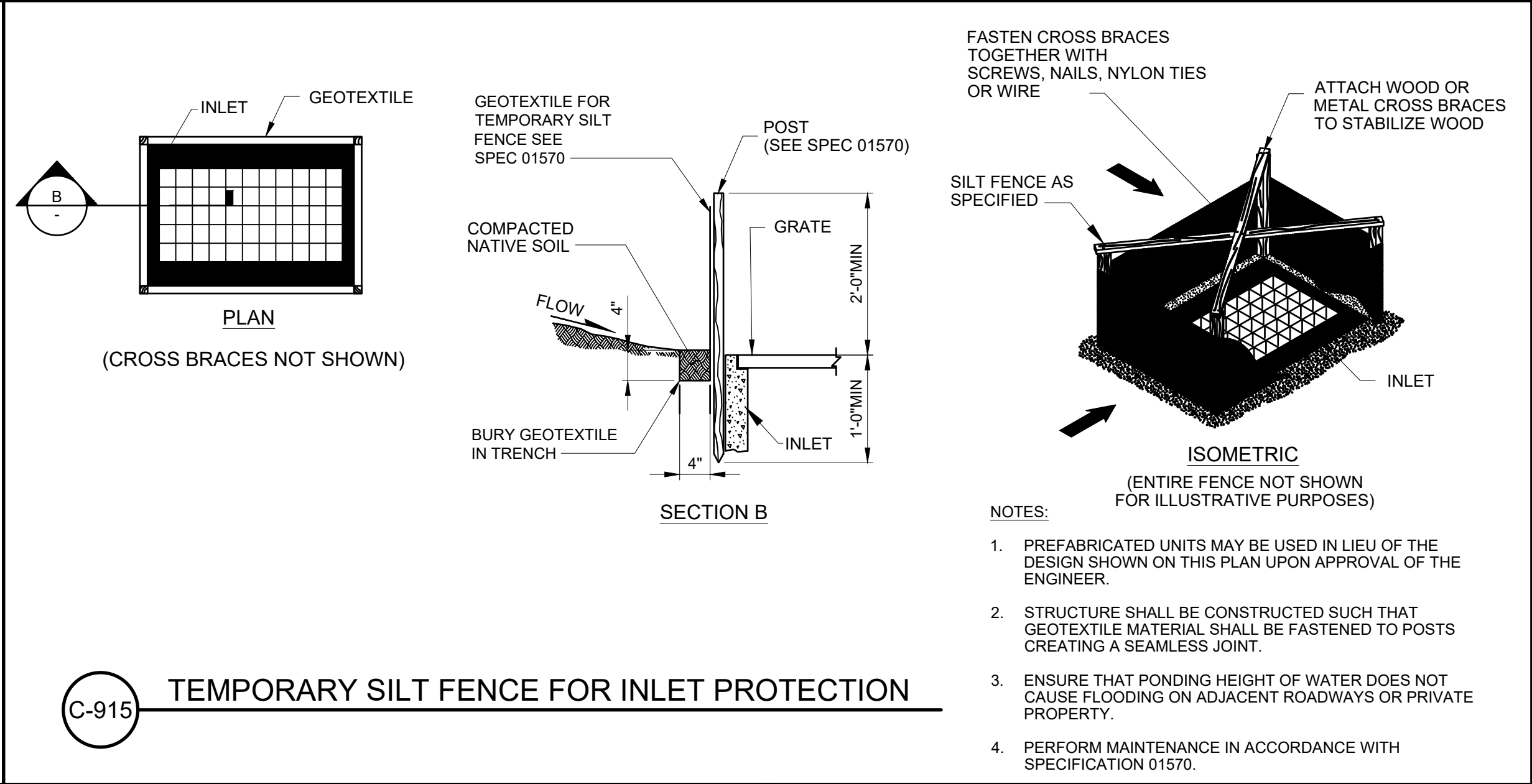
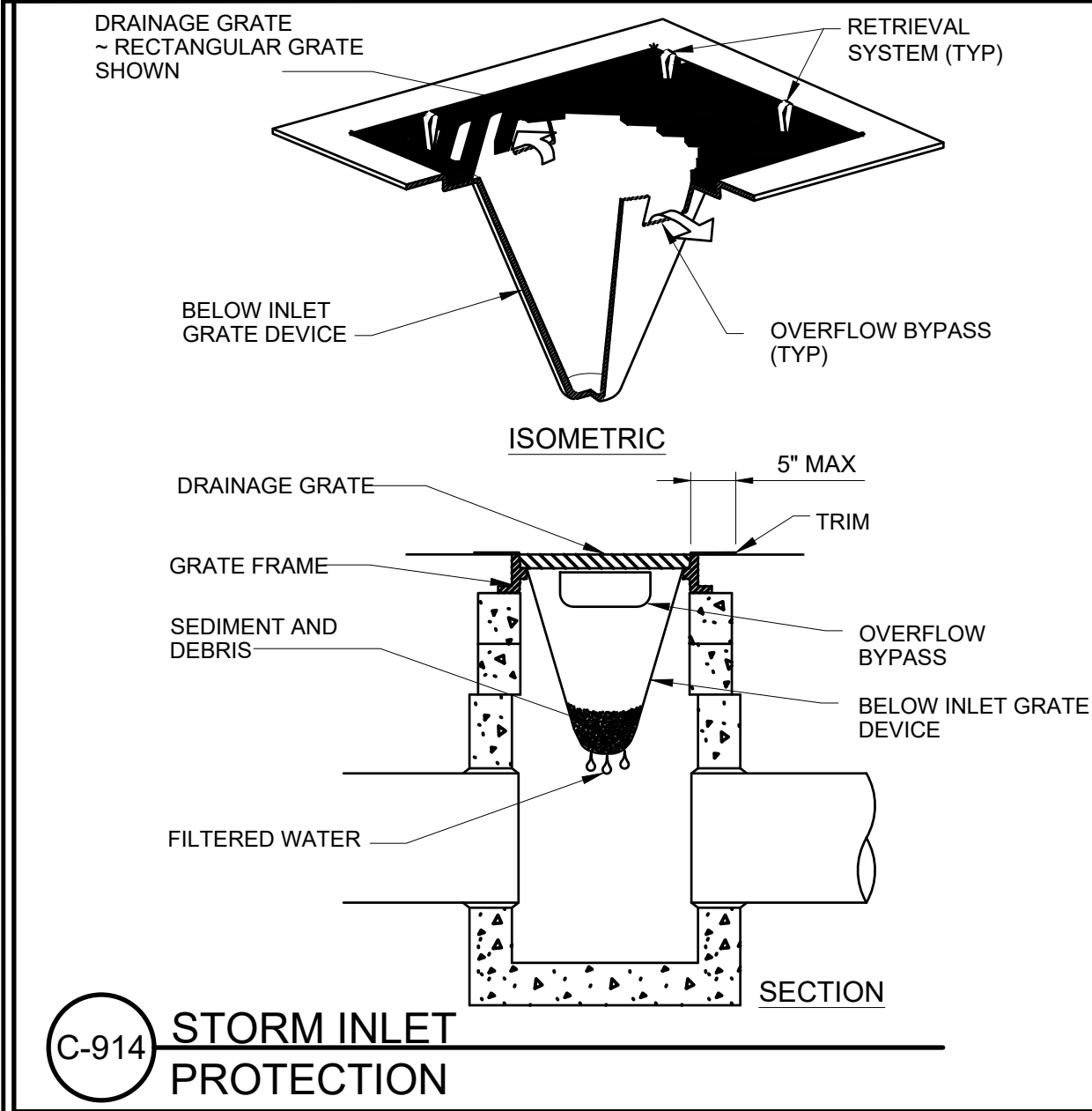
TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT

EROSION AND SEDIMENT
CONTROL PLAN

DESIGNED M. VASILEV
DRAWN R. WOOD
CHECKED J. BURGI
PROJECT DATE 06/29/26

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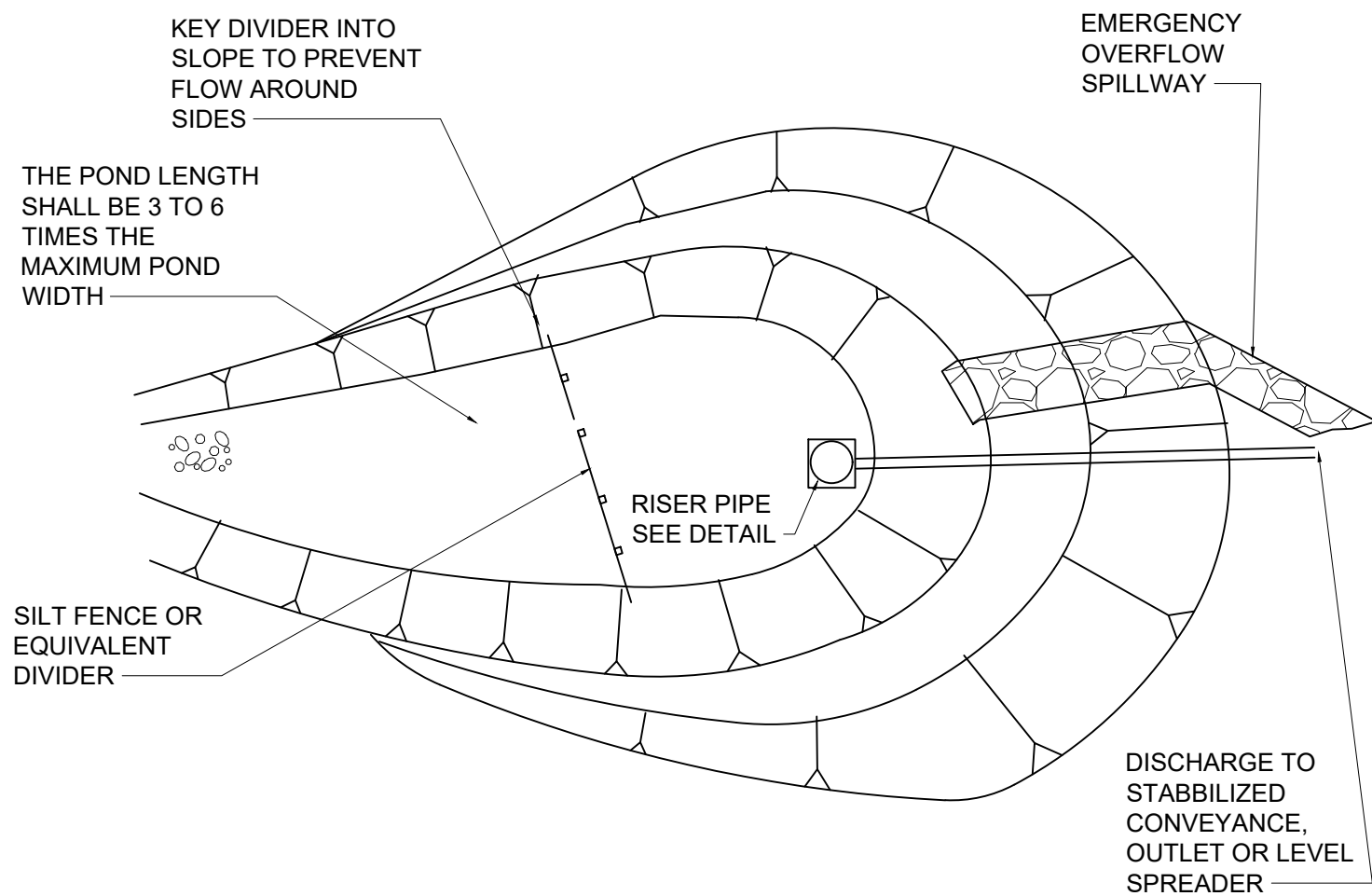
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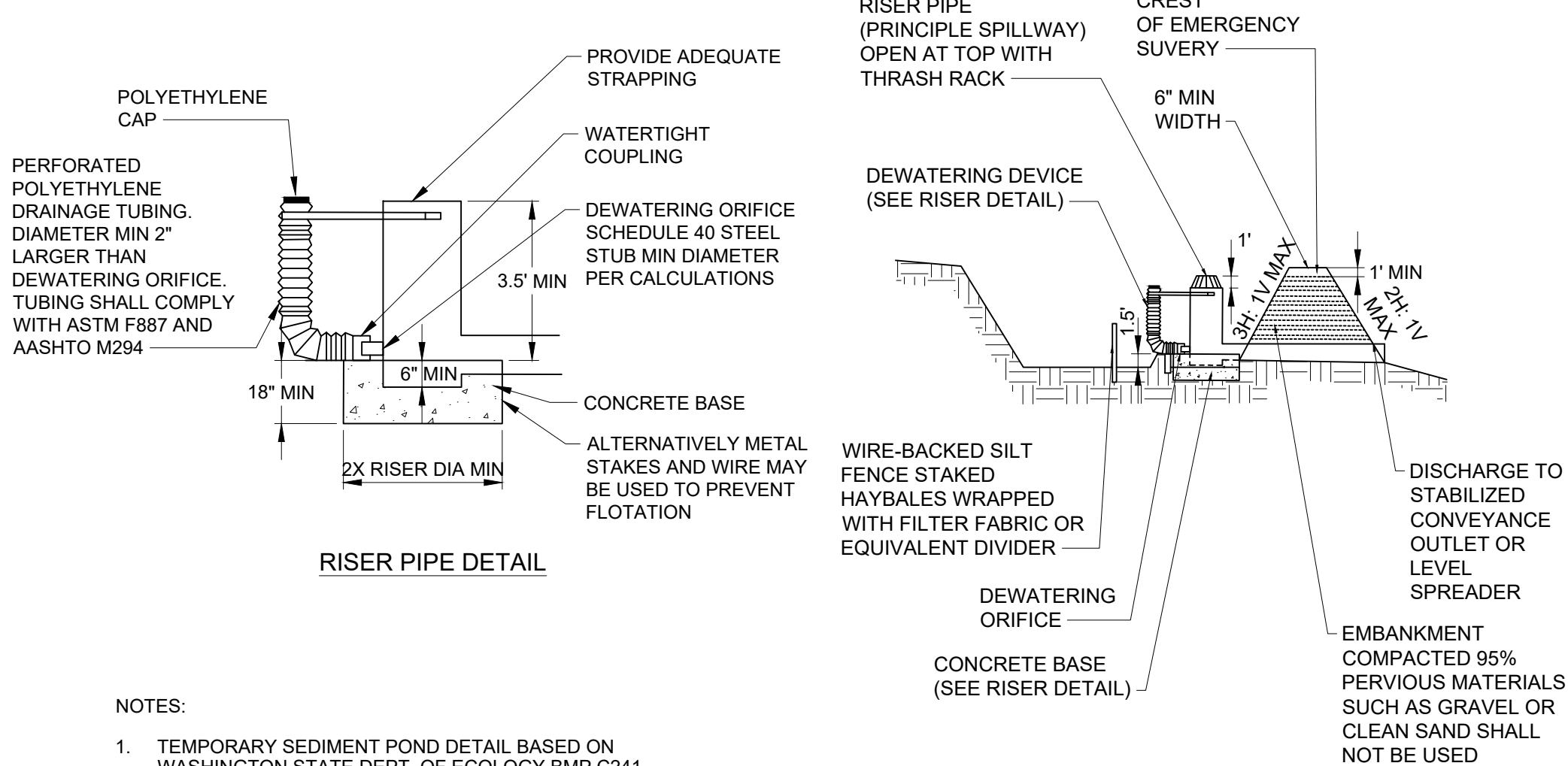
TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT
EROSION CONTROL DETAILS - 1

DESIGNED _____ M. VASILEV
DRAWN _____ R. WOOD
CHECKED _____ J. BURGI
PROJECT DATE _____ 06/29/26

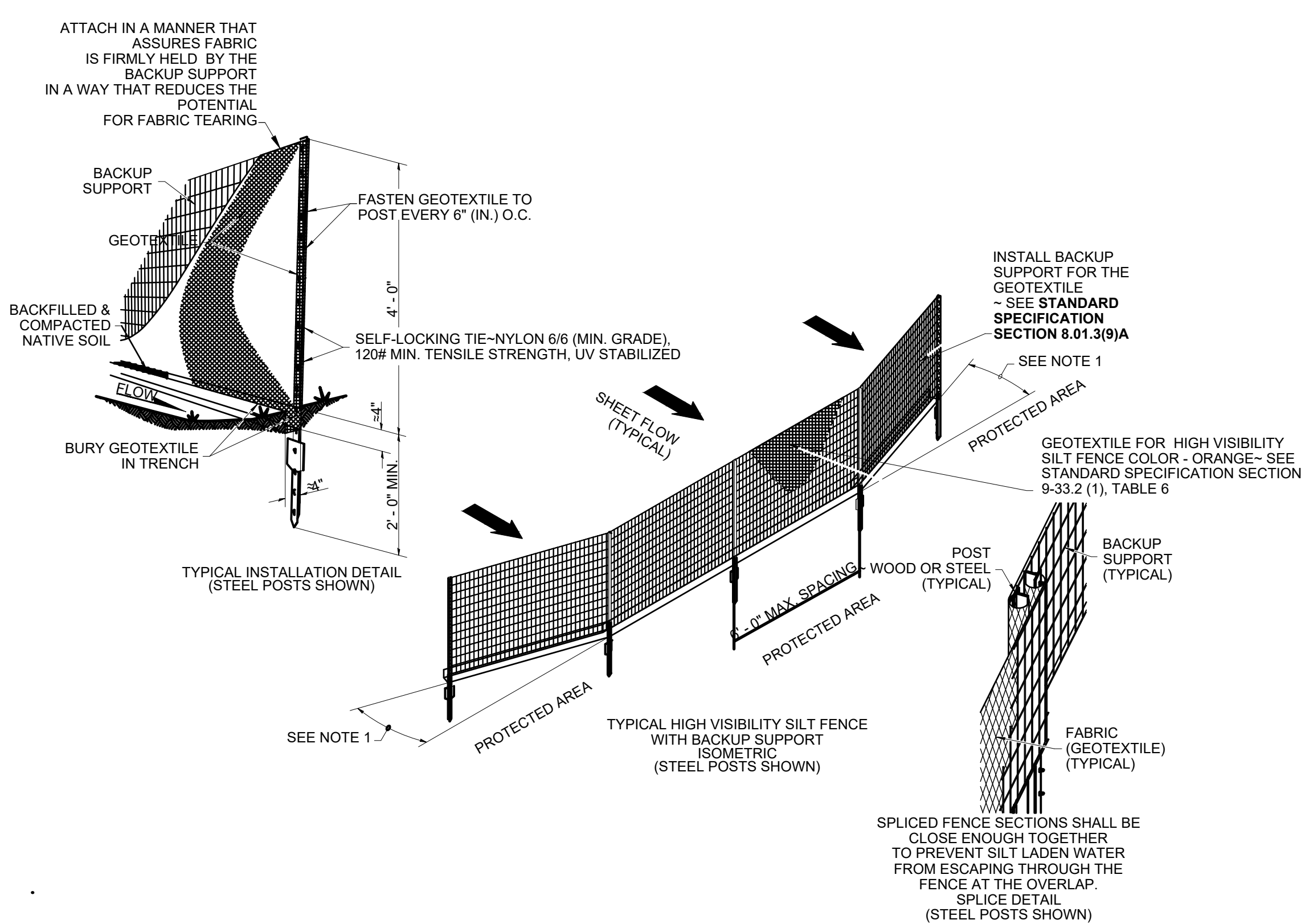
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Page 22 of 161



C-920 TYPICAL TEMPORARY SEDIMENT POND LAYOUT



- NOTES:
1. TEMPORARY SEDIMENT POND DETAIL BASED ON WASHINGTON STATE DEPT. OF ECOLOGY BMP C241
 2. SEE 2014 WASHINGTON STATE STORMWATER MANAGEMENT MANUAL FOR ADDITIONAL INFORMATION.



- NOTES
1. INSTALL THE ENDS OF THE HIGH VISIBILITY SILT FENCE TO POINT SLIGHTLY UPSLOPE TO PREVENT SEDIMENT FROM FLOWING AROUND THE ENDS OF THE FENCE.
 2. PERFORM MAINTENANCE IN ACCORDANCE WITH STANDARD SPECIFICATIONS 8-01.3(9)A AND 8-01.3(15).
 3. SPLICES SHALL NEVER BE PLACED IN LOW SPOTS OR SUMP LOCATIONS. IF SPLICES ARE LOCATED IN LOW OR SUMP AREAS, THE FENCE MAY NEED TO BE REINSTALLED UNLESS THE PROJECT ENGINEER APPROVES THE INSTALLATION.
 4. INSTALL SILT FENCING PARALLEL TO MAPPED CONTOUR LINES.
 5. MAXIMIZE DETENTION OF STORMWATER BY PLACING FENCE AS FAR AWAY FROM TOE OF SLOPE AS POSSIBLE WITHOUT ENCRUCHING ON SENSITIVE AREAS OR OUTSIDE OF THE CLEANING BOUNDARIES .

C-921 HIGH VISIBILITY SILT FENCE

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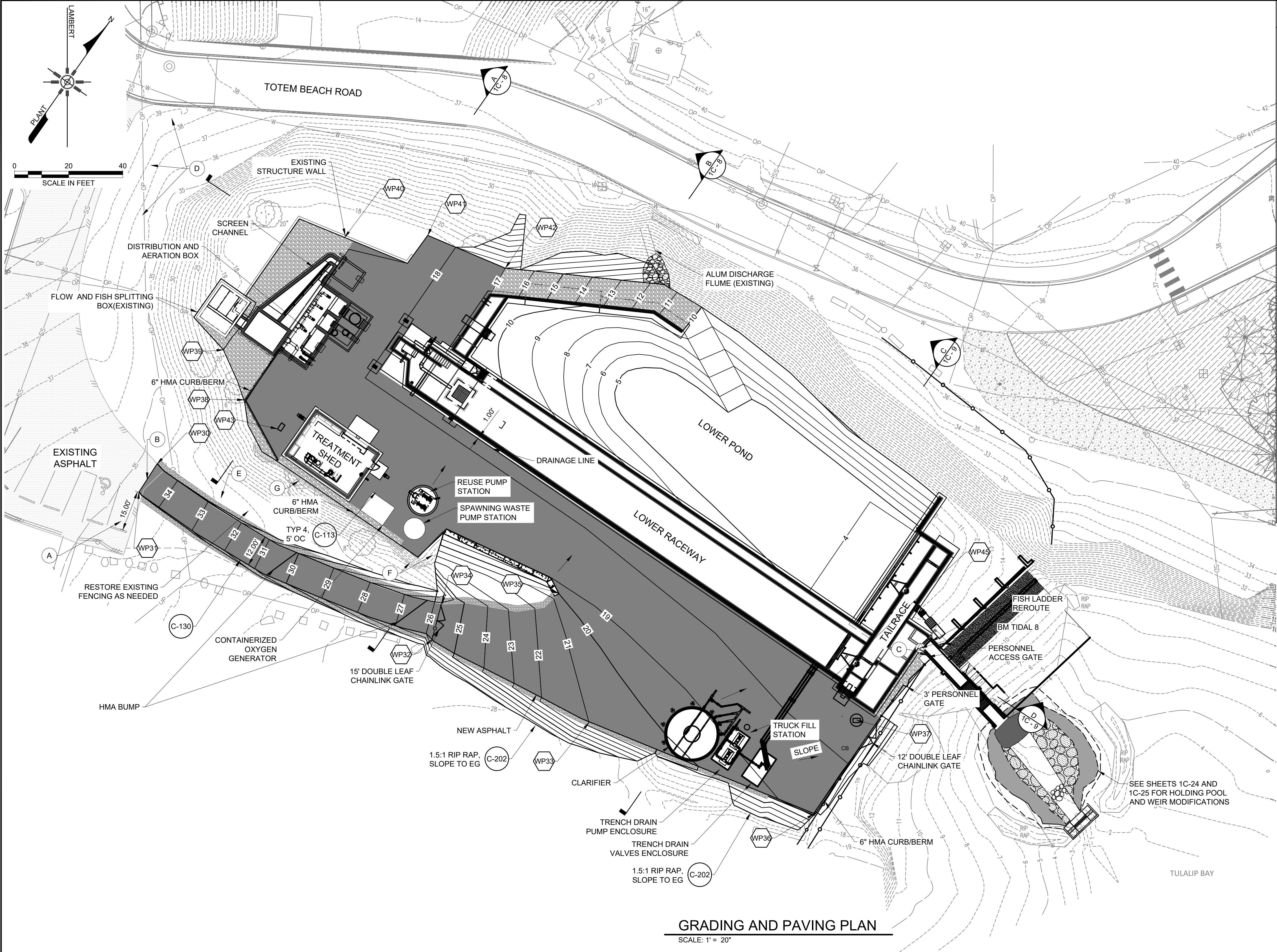
WARNING

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TULALIP TRIBES		DESIGNED <u>M. VASILEV</u> DRAWN <u>R. WOOD</u> CHECKED <u>J. BURGI</u> PROJECT DATE <u>06/29/26</u>
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT		
EROSION CONTROL DETAILS - 2		



- GENERAL SHEET NOTES**
- AT THE COMPLETION OF CONSTRUCTION APPLY STOCKPILED NATIVE TOPSOIL OR IMPORTED TOPSOIL AND APPLY 4" LAYER OF FINE COMPOST (WSDOT 9-14(8)) TO ANY SOIL DISTURBED AND NOT PAVED OR FINISHED WITH GRAVEL.
 - HYDROSEED OR HAND SEED OVER FINE COMPOST WITH NATIVE SEED MIX IN ACCORDANCE WITH SECTION 31 35 28.
 - AREAS DISTURBED BELOW THE EXISTING LOWER DAM FENCELINE SHALL BE RESTORED WITH CRUSHED SURFACING BASE COARSE.
 - SEE PREDATOR EXCLUSION SHEETS FOR CHAINLINK FENCING SURROUNDING STRUCTURES.
 - ALL GATES SHALL HAVE COMMERCIAL LOCKING LATCHES.
 - BARBED WIRE TOP SECURITY FENCING REQUIRED AT ALL LOCATIONS.
 - CONTRACTOR TO PROOF ROLL THE BASE OF ANY EXCAVATION OR UTILIZE 1/8" MANUAL PUSHROD TO TEST SOIL FOR ANY SOFT AND YIELDING AREAS WHICH MAY REQUIRE OVER EXCAVATION AND REPLACEMENT WITH STRUCTURAL FILL. COORDINATE WITH GEOTECHNICAL ENGINEER TO OBSERVE PROOFROLLING.
 - MAINTAIN GROUNDWATER TABLE ELEVATION A MINIMUM OF 24" BELOW THE BOTTOM OF ALL EXAVATIONS. SEE GEOTECHNICAL REPORT.
 - ACCESS ROAD ASPHALT ROAD SECTION DETAIL AGGREGATE BASE SHOULDER REDUCED TO 2' IN WIDTH.
 - SEE WORKPOINTS TABLE FOR PAVING EXTENTS, PAVING TRANSITIONS TO STRUCTURES IN ALL OTHER LOCATIONS.
 - SEE SHEET 1C-20 FOR RETAINING WALL WORKPOINTS TABLE.
 - CONTRACTOR TO PAVE CURVES AND CORNERS ACCORDING TO SITE CONDITIONS.
 - ACCESS ROAD AND CURVE RADIUS ARE INTENDED TO MAINTAIN SLOPES TO A MAXIMUM OF 15%.
 - VAULT LIDS SHALL EXTEND 1/2" ABOVE FINISHED PAVING.
 - TREATMENT SHED DOWNSPOUTS TO BE DIRECTED ONTO ASPHALT PAVING.

- KEY NOTES**
- MAINTAIN 15' PARKING SPACE.
 - SAWCUT 12" BEYOND EXISTING ASPHALT PAVED EDGE. FILL TRANSITION OF NEW TO EXISTING ASPHALT WITH TACK COAT JOINT SEALER.
 - EXTEND GRAVEL BELOW PROPOSED STEEL STAIRS.
 - RESTORE EXISTING FENCING AS NEEDED.
 - NEW FENCING TO MATCH EXISTING ALIGNMENT.
 - EXISTING ROCK RETAINING WALL. PROTECT AND CLEAR VEGETATION.

PAVING WORK POINT TABLE			
POINT NO	NORTHING	EASTING	DESCRIPTION
WP30A	391805.37	1285110.85	BEGIN ACCESS RD. NORTH
WP31A	391794.99	1285104.15	BEGIN ACCESS RD. SOUTH
WP32A	391740.45	1285212.47	ENTRANCE GATE SOUTH
WP33A	391710.20	1285270.27	END ACCESS RD. SOUTH
WP34A	391753.62	1285216.25	ENTRANCE GATE NORTH
WP35A	391757.59	1285259.23	END ACCESS RD. NORTH
WP36	391675.98	1285353.41	CENTER OF GRADING
WP37	391710.65	1285369.33	CENTER OF CATCHBASIN CB1

SEE SHEET 1C-20 FOR RETAINING WALL WORK POINTS

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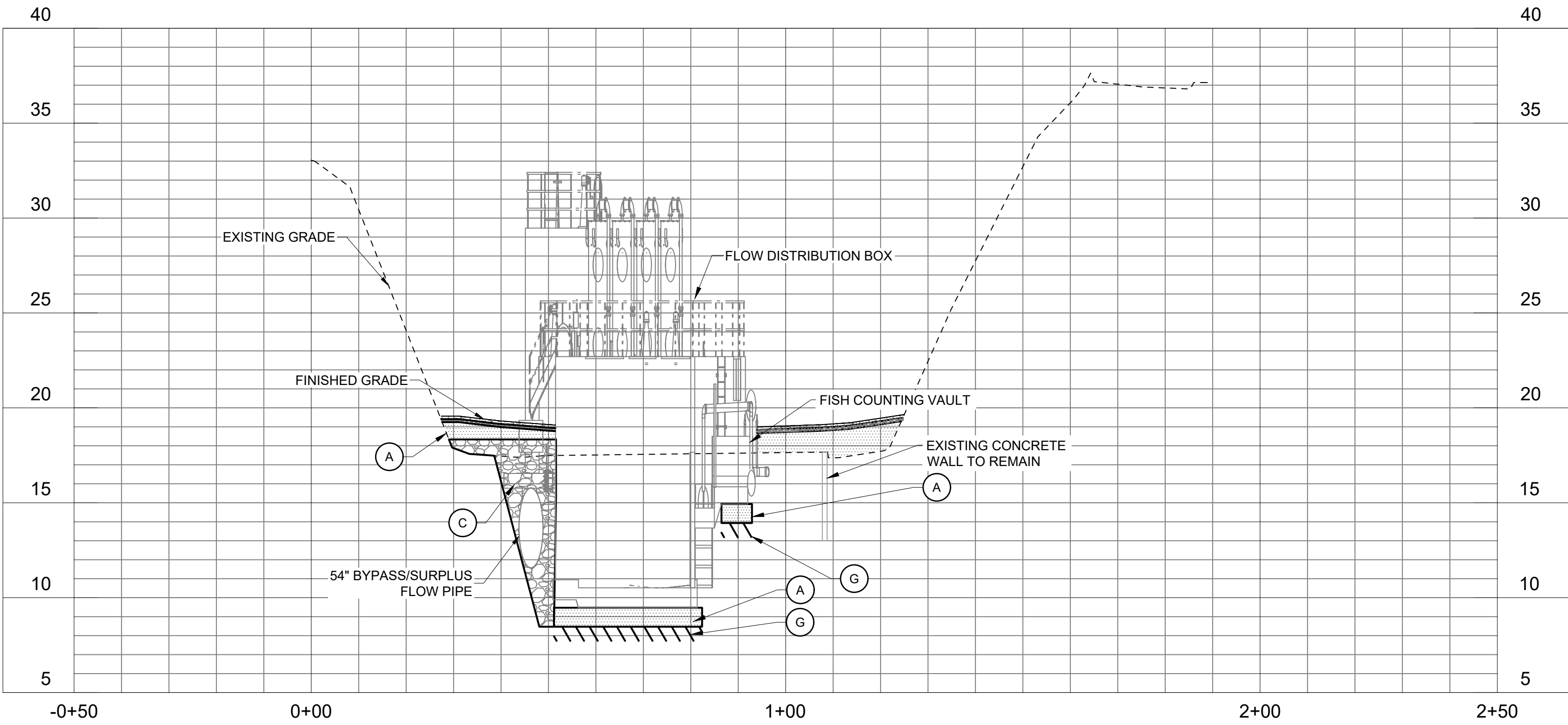
TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT

GRADING AND PAVING PLAN

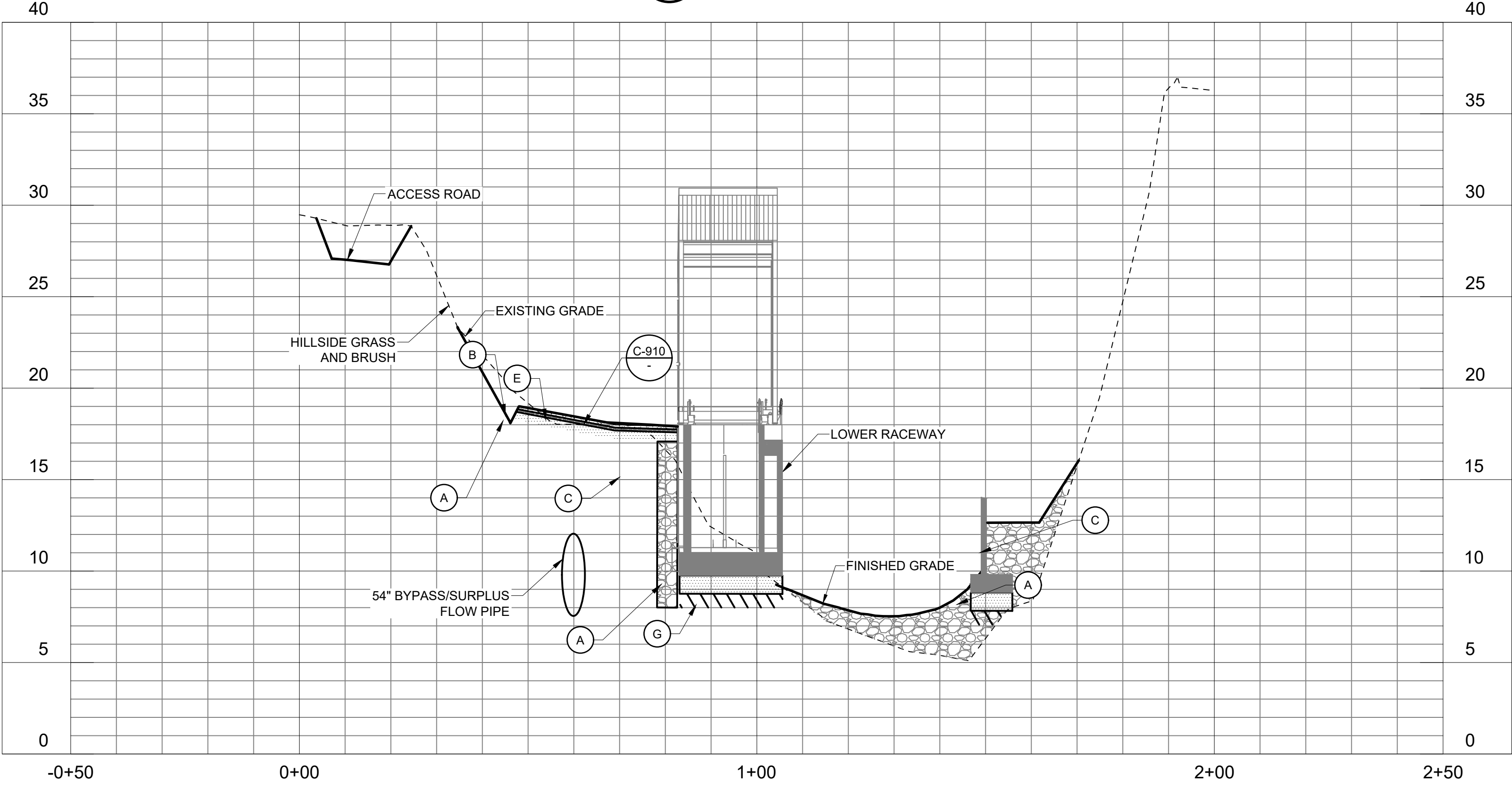
DESIGNED M. VASILEV
DRAWN R. WOOD
CHECKED J. BURGI
PROJECT DATE 06/29/26

DRAWING

1C-7



A
SECTION A
1C-7
SCALE: H: 1"= 20' V: 1"= 5'



B
SECTION B
1C-7
SCALE: H: 1"= 20' V: 1"= 5'

- GENERAL SHEET NOTES
1.

WHERE FILL IS REQUIRED GREATER THAN 12" DEPTH UTILIZE GRAVEL BORROW EXCEPT WHERE INDICATED.
2.

UTILIZE CRUSHED SURFACING BASE COURSE FOR FILL IN AREAS LESS THAN 12" IN DEPTH.
3.

ALL WEATHERED AND UNSUITABLE SOIL PRESENT BELOW STRUCTURES AND PAVED AREAS MUST BE WASTEHAULED OFF SITE.
4.

NATIVE SOIL WILL NOT BE CONSIDERED ACCEPTABLE AS GRAVEL BORROW.
5.

ALLEY SECTION AND LOWER SITE PAVED AREA INCLUDES 3" HMA OVER 2" LIFT OF CRUSHED SURFACING TOP COURSE OVER A 4" LIFT OF CRUSHED SURFACING BASE COARSE (CSBC).
6.

ALL STRUCTURES REQUIRE 12" CSBC UNDER THE SLAB EXCEPT WHERE NOTED. COMPACTED CSBC EXTENDS 12" OUTSIDE OF ALL FOOTINGS AND SLABS.
7.

MINIMUM LATERAL EXTENT OF FILL MATERIAL ADJACENT TO THE WALLS OF STRUCTURES IS 12". ACTUAL EXTENT OF FILL MATERIALS WILL DEPEND UPON THE CONTRACTOR'S EXCAVATION, SHORING, AND SLOPING.
8.

CONTRACTOR IS ENTIRELY RESPONSIBLE FOR PROTECTION OF THE EXCAVATION AGAINST CAVING OR SETTLING OF THE BANKS AND FOR ALL DAMAGE TO PAVEMENT, STRUCTURES, FENCES, AND OTHER PROPERTY. CONTRACTOR MUST PROTECT THE SIDES OF THE EXCAVATION BY USING INTERLOCKED SHEETING AND BRACING OR OTHER SHORING AS MAY BE NECESSARY.
- KEY NOTES

A.

WSDOT 9-03.9(3) CRUSHED SURFACING BASE COURSE COMPACTED IN A MAXIMUM OF 6" LIFTS (AGGREGATE SUB-BASE).

B.

WSDOT 9-03.9(3) CRUSHED SURFACING TOP COURSE COMPACTED IN A MAXIMUM OF 2" LIFTS (AGGREGATE BASE).

C.

WSDOT 9-03.9(1) GRAVEL BORROW COMPACTED IN MAXIMUM OF 6" LIFTS.

D.

WSDOT 9-03.1B(4) GRAVEL BACKFILL FOR DRAINS SEE SITE DRAINAGE PLAN 1C-16.

E.

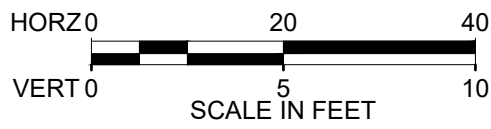
WSDOT 9-03.8 HOT MIX ASPHALT (HMA).

F.

NON-WOVEN GEOTEXTILE BETWEEN EXISTING SOIL AND IMPORTED AGGREGATE. SEE SECTION 31 34 19.

G.

PREPARED NATIVE SUBGRADE.



A	06/29/26	RM	PRE-FINAL SUBMITTAL
REV	DATE	BY	DESCRIPTION

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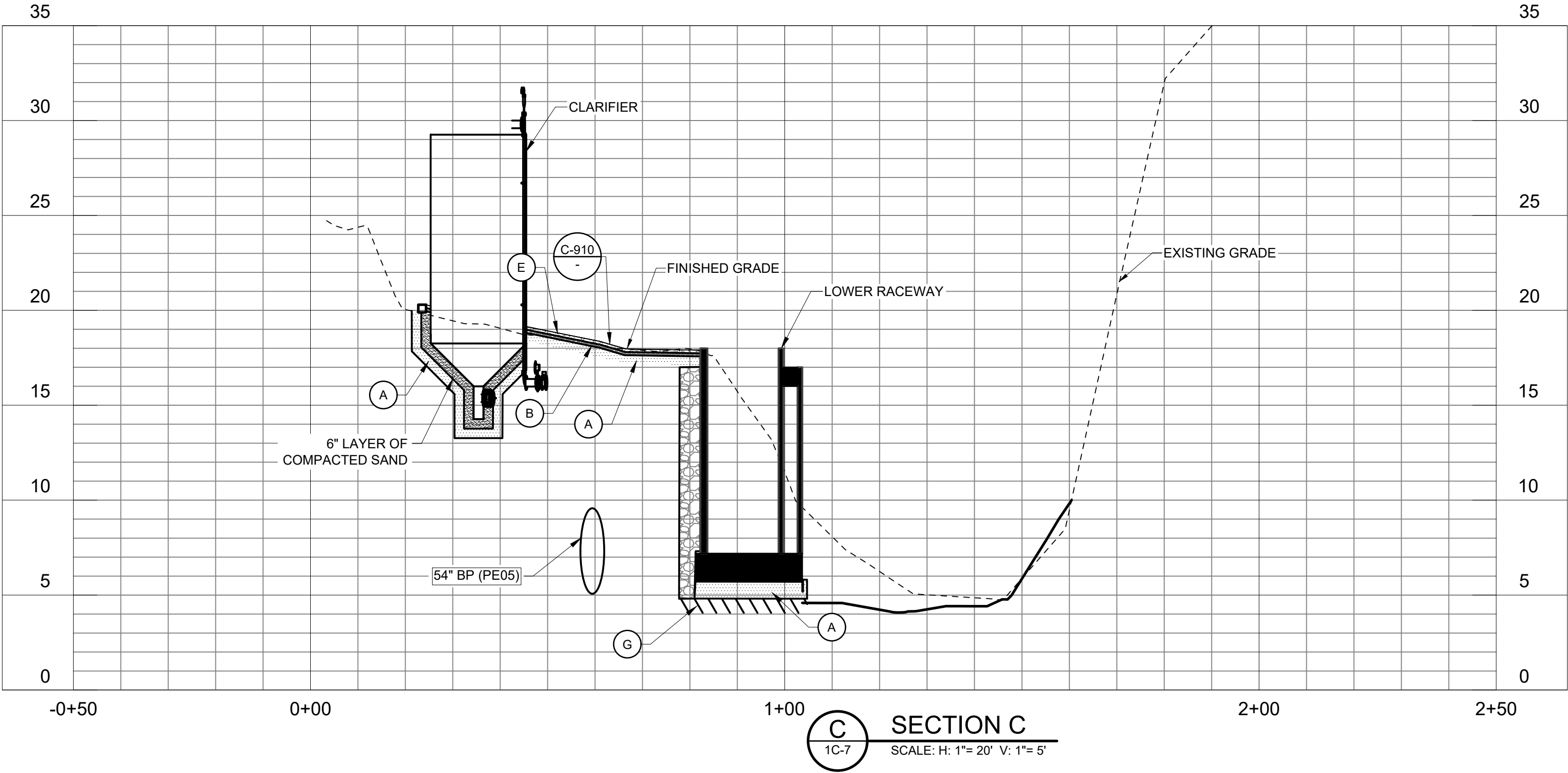


TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT

GRADING SECTIONS - 1

DESIGNED M. VASILEV
DRAWN R. WOOD
CHECKED J. BURGI
PROJECT DATE 06/29/26

DRAWING
1C-8

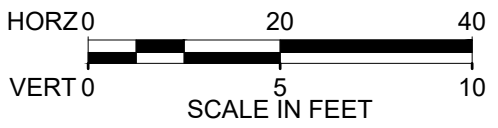
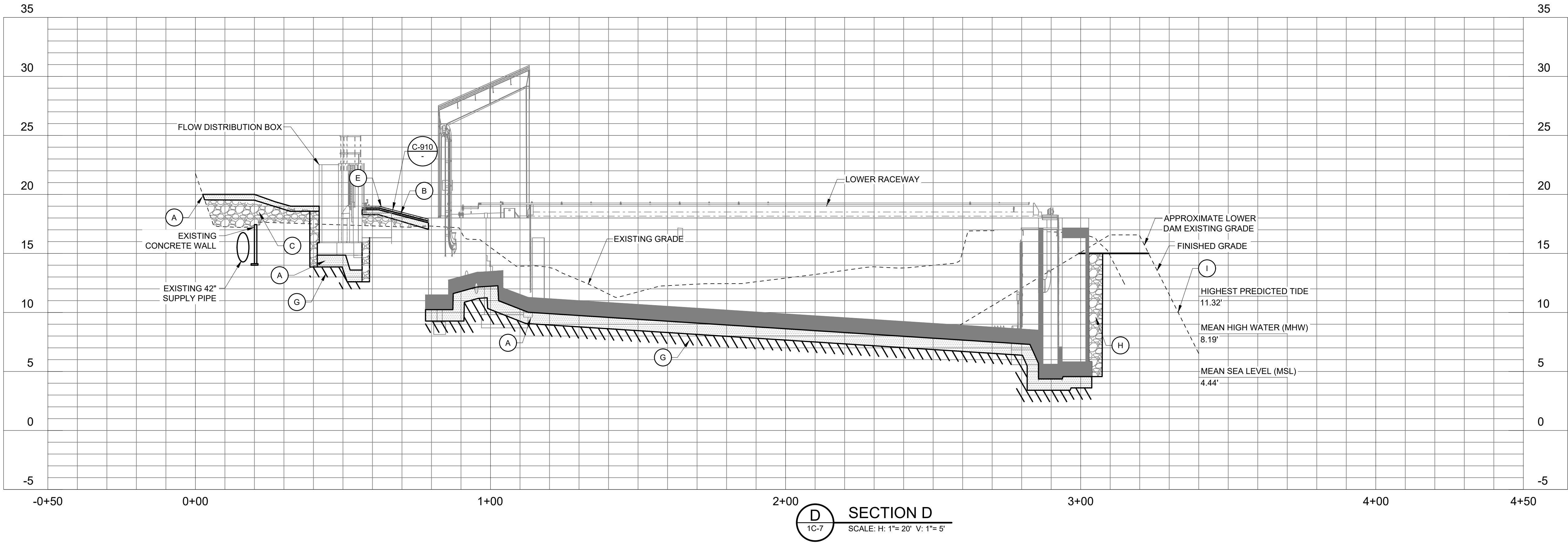


GENERAL SHEET NOTES

- WHERE FILL IS REQUIRED GREATER THAN 12" DEPTH UTILIZE GRAVEL BORROW EXCEPT WHERE INDICATED.
- UTILIZE CRUSHED SURFACING BASE COURSE FOR FILL IN AREAS LESS THAN 12" IN DEPTH.
- ALL WEATHERED AND UNSUITABLE SOIL PRESENT BELOW STRUCTURES AND PAVED AREAS MUST BE WASTEHAULED OFF SITE.
- NATIVE SOIL WILL NOT BE CONSIDERED ACCEPTABLE AS GRAVEL BORROW
- ALLEY SECTION AND LOWER SITE PAVED AREA INCLUDES 3" HMA OVER 2" LIFT OF CRUSHED SURFACING TOP COURSE OVER A 4" LIFT OF CRUSHED SURFACING BASE COARSE (CSBC)
- ALL STRUCTURES REQUIRE 12" CSBC UNDER THE SLAB EXCEPT WHERE NOTED. COMPACTED CSBC EXTENDS 12" OUTSIDE OF ALL FOOTINGS AND SLABS
- MINIMUM LATERAL EXTENT OF FILL MATERIAL ADJACENT TO THE WALLS OF STRUCTURES IS 24". ACTUAL EXTENT OF FILL MATERIALS WILL DEPEND UPON THE CONTRACTOR'S EXCAVATION, SHORING, AND SLOPING.
- MHW AND MSL SHOWN IN NAVD88 DATUM CONSISTENT WITH OTHER PROJECT ELEVATIONS TIDAL STATION 9447773, TULALIP.
- CONTRACTOR IS ENTIRELY RESPONSIBLE FOR PROTECTION OF THE EXCAVATION AGAINST CAVING OR SETTLING OF THE BANKS AND FOR ALL DAMAGE TO PAVEMENT, STRUCTURES, FENCES, AND OTHER PROPERTY. CONTRACTOR MUST PROTECT THE SIDES OF THE EXCAVATION BY USING INTERLOCKED SHEETING AND BRACING OR OTHER SHORING AS MAY BE NECESSARY.

KEY NOTES

- A. WSDOT 9-03.9(3) CRUSHED SURFACING BASE COURSE COMPACTED IN A MAXIMUM OF 6" LIFTS (AGGREGATE SUB-BASE)
- B. WSDOT 9-03.9(3) CRUSHED SURFACING TOP COURSE COMPACTED IN A MAXIMUM OF 2" LIFTS (AGGREGATE BASE)
- C. WSDOT 9-03.9(1) GRAVEL BORROW COMPACTED IN MAXIMUM OF 6" LIFTS
- D. WSDOT 9-03.12(4) GRAVEL BACKFILL FOR DRAINS SEE SITE DRAINAGE PLAN 1C-16
- E. WSDOT 9-03.8 HOT MIX ASPHALT (HMA)
- F. NON-WOVEN GEOTEXTILE BETWEEN EXISTING SOIL AND IMPORTED AGGREGATE. SEE SECTION 31 34 19
- G. PREPARED NATIVE SUBGRADE.
- H. CONTRACTOR SHALL SUBMIT TO THE ENGINEER, SHOP DRAWINGS AND CALCULATIONS FOR THE DESIGN AND INSTALLATION OF A TEMPORARY SHORING SYSTEM. THE DRAWINGS AND CALCULATIONS SHALL BEAR THE SEAL AND SIGNATURE OF THE WASHINGTON STATE REGISTERED PROFESSIONAL ENGINEER WHO IS RESPONSIBLE FOR THE DESIGN.
- I. NO EXCAVATION SHALL OCCUR ALONG THE SHORELINE BELOW THE ELEVATION CONTOUR OF 10.0'.



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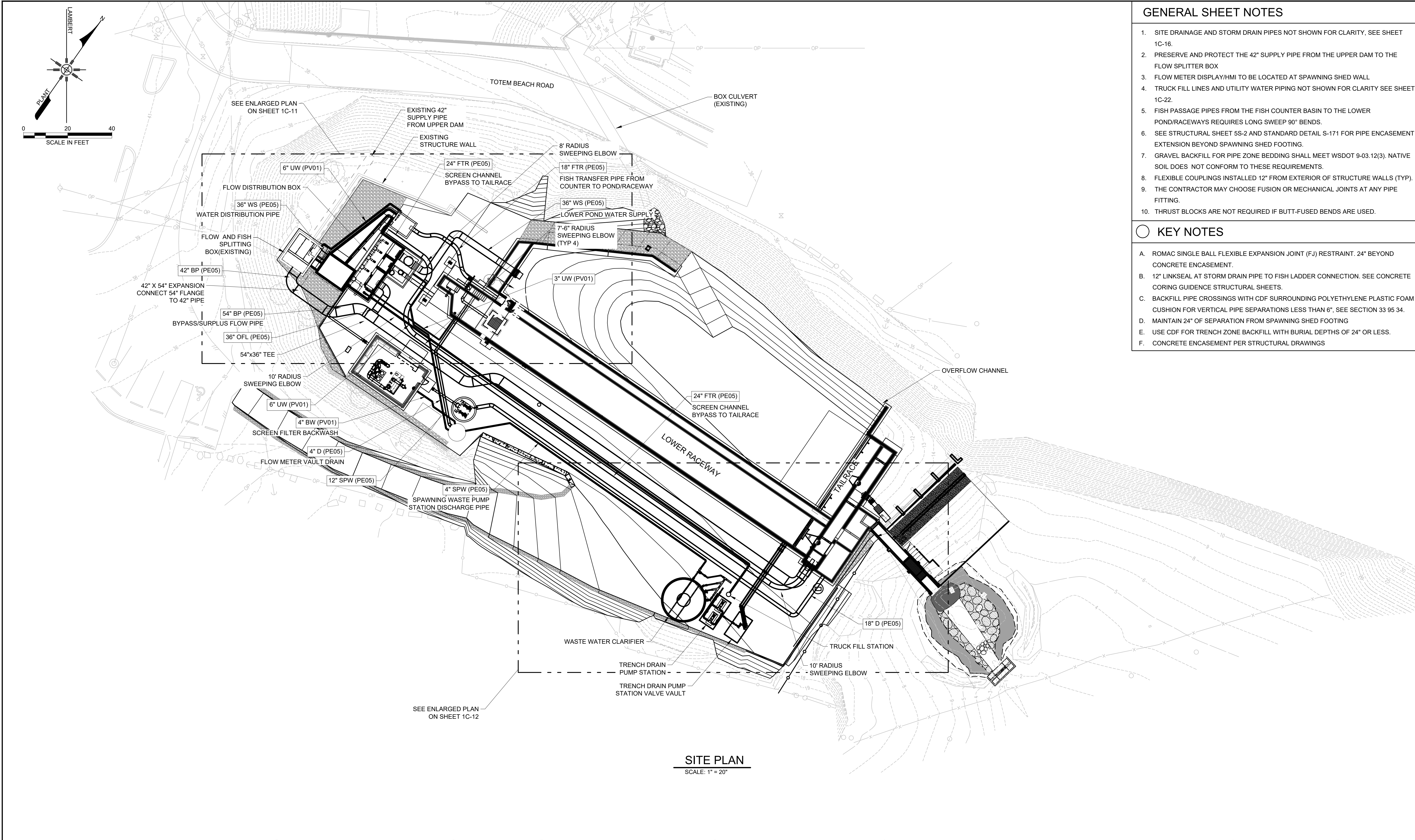
TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT

GRADING SECTIONS - 2

DESIGNED M. VASILEV
DRAWN R. WOOD
CHECKED J. BURGI
PROJECT DATE 06/29/26

DRAWING

1C-9



- ### GENERAL SHEET NOTES
1. SITE DRAINAGE AND STORM DRAIN PIPES NOT SHOWN FOR CLARITY, SEE SHEET 1C-16.
 2. PRESERVE AND PROTECT THE 42" SUPPLY PIPE FROM THE UPPER DAM TO THE FLOW SPLITTER BOX
 3. FLOW METER DISPLAY/HMI TO BE LOCATED AT SPAWNING SHED WALL
 4. TRUCK FILL LINES AND UTILITY WATER PIPING NOT SHOWN FOR CLARITY SEE SHEET 1C-22.
 5. FISH PASSAGE PIPES FROM THE FISH COUNTER BASIN TO THE LOWER POND/RACEWAYS REQUIRES LONG SWEEP 90° BENDS.
 6. SEE STRUCTURAL SHEET 5S-2 AND STANDARD DETAIL S-171 FOR PIPE ENCASEMENT EXTENSION BEYOND SPAWNING SHED FOOTING.
 7. GRAVEL BACKFILL FOR PIPE ZONE BEDDING SHALL MEET WSDOT 9-03.12(3). NATIVE SOIL DOES NOT CONFORM TO THESE REQUIREMENTS.
 8. FLEXIBLE COUPLINGS INSTALLED 12" FROM EXTERIOR OF STRUCTURE WALLS (TYP).
 9. THE CONTRACTOR MAY CHOOSE FUSION OR MECHANICAL JOINTS AT ANY PIPE FITTING.
 10. THRUST BLOCKS ARE NOT REQUIRED IF BUTT-FUSED BENDS ARE USED.
- ### KEY NOTES
- A. ROMAC SINGLE BALL FLEXIBLE EXPANSION JOINT (FJ) RESTRAINT. 24" BEYOND CONCRETE ENCASEMENT.
 - B. 12" LINKSEAL AT STORM DRAIN PIPE TO FISH LADDER CONNECTION. SEE CONCRETE CORING GUIDENCE STRUCTURAL SHEETS.
 - C. BACKFILL PIPE CROSSINGS WITH CDF SURROUNDING POLYETHYLENE PLASTIC FOAM CUSHION FOR VERTICAL PIPE SEPARATIONS LESS THAN 6", SEE SECTION 33 95 34.
 - D. MAINTAIN 24" OF SEPARATION FROM SPAWNING SHED FOOTING
 - E. USE CDF FOR TRENCH ZONE BACKFILL WITH BURIAL DEPTHS OF 24" OR LESS.
 - F. CONCRETE ENCASEMENT PER STRUCTURAL DRAWINGS

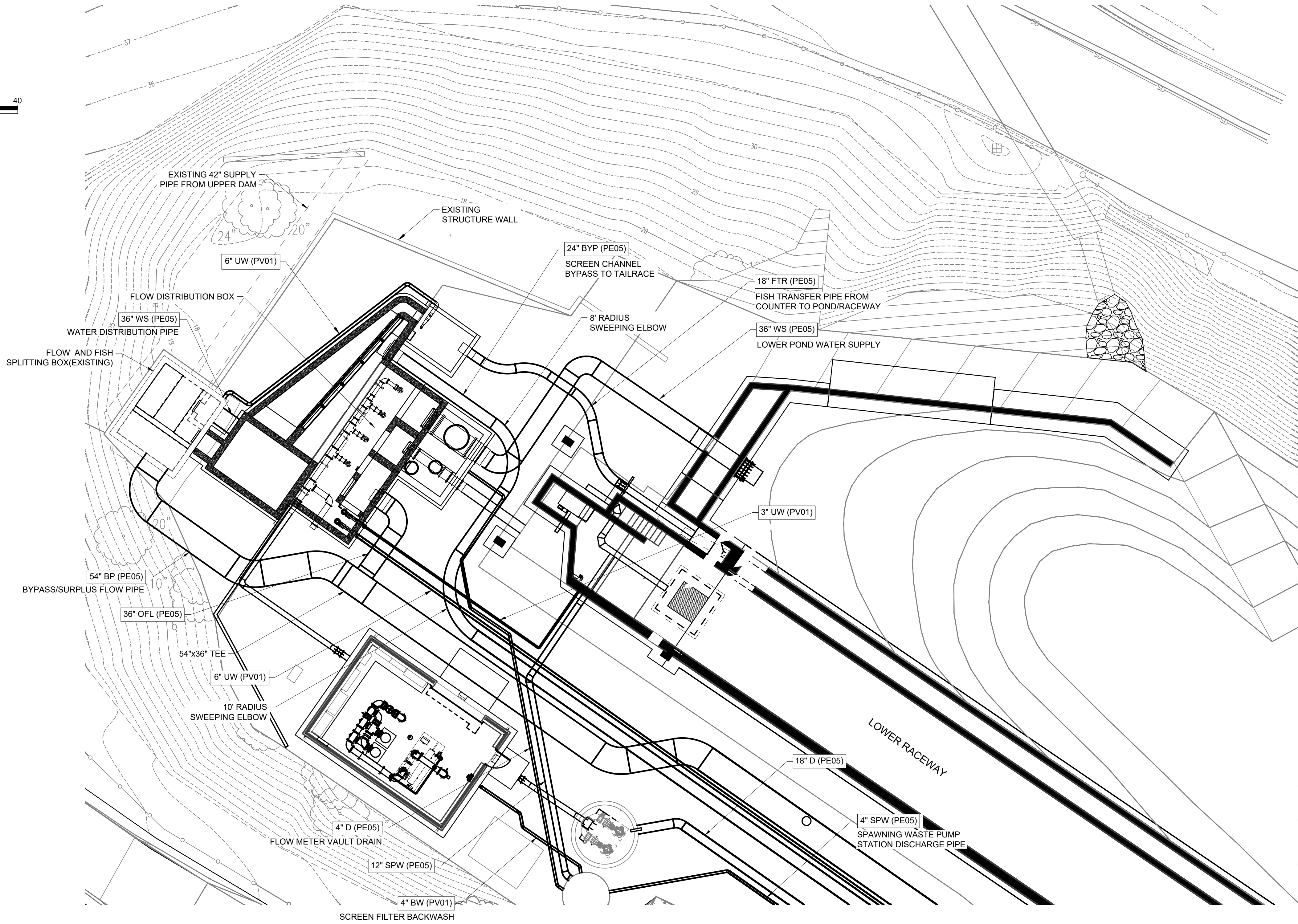
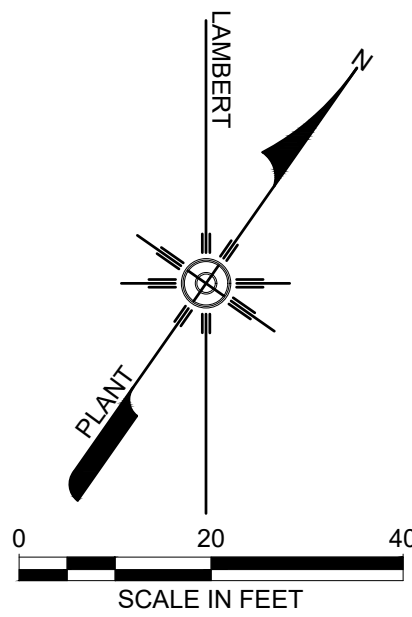
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REV	DATE	BY	DESCRIPTION	

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TULALIP TRIBES	DESIGNED <u>M. VASILEV</u>	DRAWING
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	DRAWN <u>R. WOOD</u>	1C-10
	CHECKED <u>J. BURGI</u>	
	PROJECT DATE <u>06/29/26</u>	
	Exhibit E.2	Page 27 of 161



SITE PIPING ENLARGED PLAN - 1
SCALE: 1" = 10'

GENERAL SHEET NOTES

1. SITE DRAINAGE AND STORM DRAIN PIPES NOT SHOWN FOR CLARITY, SEE SHEET 1C-16.
2. PRESERVE AND PROTECT THE 42" SUPPLY PIPE FROM THE UPPER DAM TO THE FLOW SPLITTER BOX
3. FLOW METER DISPLAY/HMI TO BE LOCATED AT SPAWNING SHED WALL
4. TRUCK FILL LINES AND UTILITY WATER PIPING NOT SHOWN FOR CLARITY SEE SHEET 1C-22.
5. FISH PASSAGE PIPES FROM THE FISH COUNTER BASIN TO THE LOWER POND/RACEWAYS REQUIRES LONG SWEEP 90° BENDS.
6. SEE STRUCTURAL SHEET 5S-2 AND STANDARD DETAIL S-171 FOR PIPE ENCASEMENT EXTENSION BEYOND SPAWNING SHED FOOTING.
7. GRAVEL BACKFILL FOR PIPE ZONE BEDDING SHALL MEET WSDOT 9-03.12(3). NATIVE SOIL DOES NOT CONFORM TO THESE REQUIREMENTS.
8. FLEXIBLE COUPLINGS INSTALLED 12" FROM EXTERIOR OF STRUCTURE WALLS (TYP).
9. THE CONTRACTOR MAY CHOOSE FUSION OR MECHANICAL JOINTS AT ANY PIPE FITTING.
10. THRUST BLOCKS ARE NOT REQUIRED IF BUTT-FUSED BENDS ARE USED.

KEY NOTES

- A. ROMAC SINGLE BALL FLEXIBLE EXPANSION JOINT (FJ) RESTRAINT. 24" BEYOND CONCRETE ENCASEMENT.
- B. 12" LINKSEAL AT STORM DRAIN PIPE TO FISH LADDER CONNECTION. SEE CONCRETE CORING GUIDENCE STRUCTURAL SHEETS.
- C. BACKFILL PIPE CROSSINGS WITH CDF SURROUNDING POLYETHYLENE PLASTIC FOAM CUSHION FOR VERTICAL PIPE SEPARATIONS LESS THAN 6", SEE SECTION 33 95 34.
- D. MAINTAIN 24" OF SEPARATION FROM SPAWNING SHED FOOTING
- E. USE CDF FOR TRENCH ZONE BACKFILL WITH BURIAL DEPTHS OF 24" OR LESS.

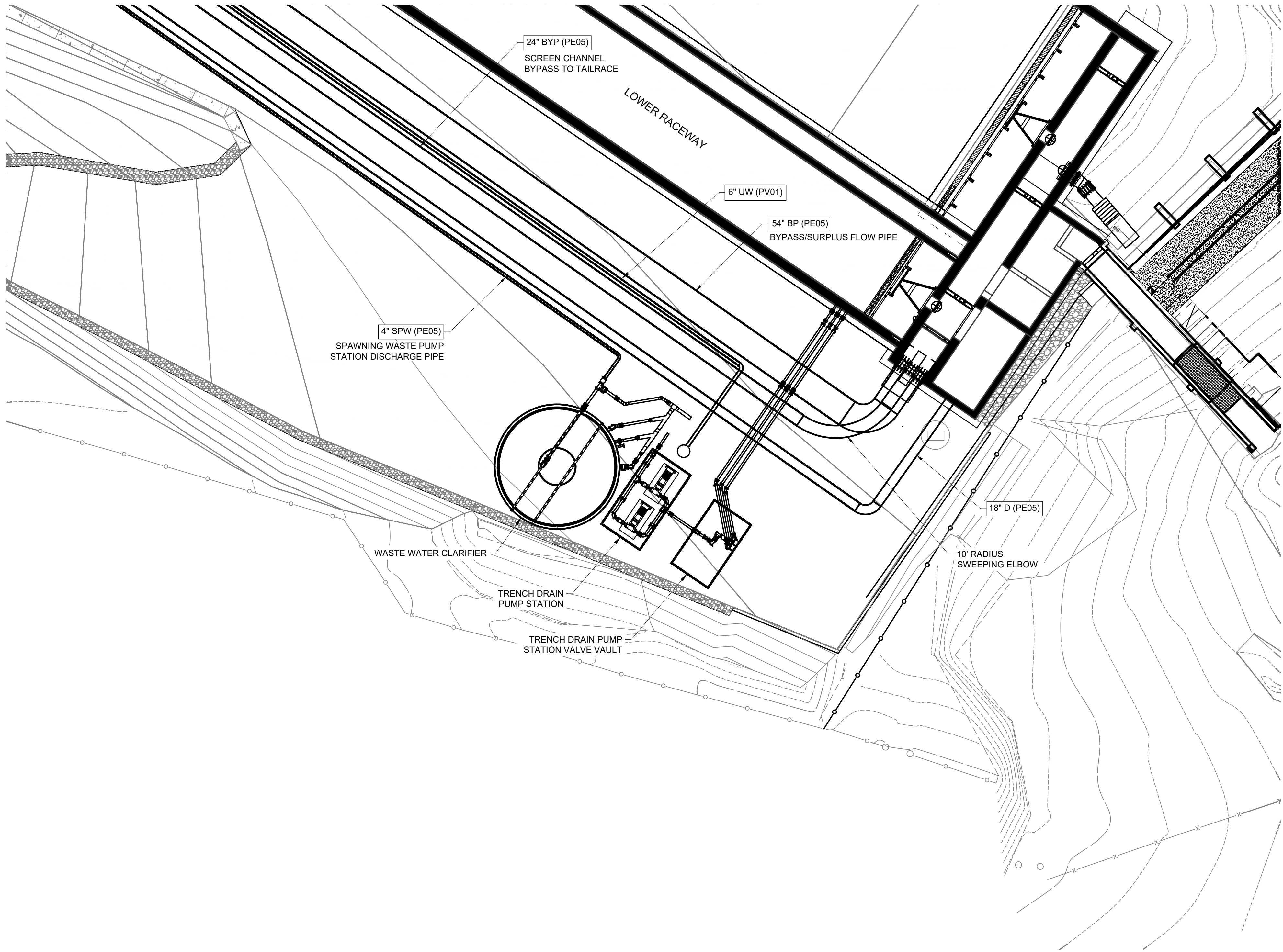
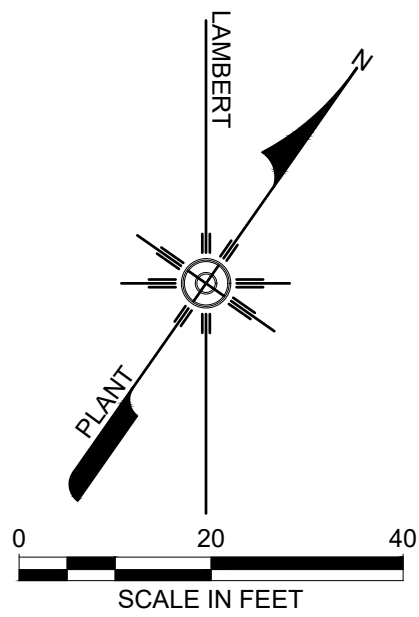
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TULALIP TRIBES		DRAWING 1C-11	
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT			
SITE PIPING ENLARGED PLAN - 1			DESIGNED _____ M. VASILEV
			DRAWN _____ R. WOOD
		CHECKED _____ J. BURGI	
		PROJECT DATE _____ 06/29/26	
		Exhibit E.2Page 28 of 161	



SITE PIPING ENLARGED PLAN - 2
SCALE: 1"=10'

GENERAL SHEET NOTES

1. CORE DRILL ALL PIPE PENETRATIONS IN PRECAST STRUCTURES WITHOUT PREMANUFACTURED KNOCKOUTS.
2. LINKSEALS USED TO SEAL PIPE PENETRATIONS 6" DIAMETER AND SMALLER, SEE STD DETAIL D-111.
3. FILL ANNULAR SPACES OF LARGER PIPE PENETRATIONS WITH NON-SHRINK GROUT.
4. PIPE THIMBLES REQUIRED FOR PIPE PENETRATIONS OF NEW CAST IN PLACE STRUCTURES.
5. UTILITY WATER PIPING IS NOT SHOWN, SEE SHEET 1C-22. FOR SITE DRAINAGE SEE 1C-16.
6. FLEXIBLE COUPLINGS INSTALLED 12" FROM EXTERIOR OF STRUCTURE WALLS (TYP.)
7. THE CONTRACTOR MAY CHOOSE FUSION OR MECHANICAL JOINTS AT ANY PIPE FITTINGS. ALL FISH TRANSFER PIPES ARE REQUIRED TO HAVE FUSION JOINTS WITH INTERIOR WELDS REMOVED.

KEY NOTES

- A. ROMAC SINGLE BALL FLEXIBLE EXPANSION JOINT (FJ) RESTRAINT. 24" BEYOND CONCRETE ENCASEMENT.
- B. 12" LINKSEAL AT STORM DRAIN PIPE TO FISH LADDER CONNECTION. SEE CONCRETE CORING GUIDENCE STRUCTURAL SHEETS.
- C. BACKFILL PIPE CROSSINGS WITH CDF SURROUNDING POLYETHYLENE PLASTIC FOAM CUSHION FOR VERTICAL PIPE SEPARATIONS LESS THAN 6". SEE SECTION 33 95 34.
- D. INSTALL PIPE WITH CONCRETE ENCASEMENT SEE STRUCTURAL STD DETAIL S-171.
- E. USE CDF FOR TRENCH ZONE BACKFILL WITH BURIAL DEPTHS OF 24" OR LESS.

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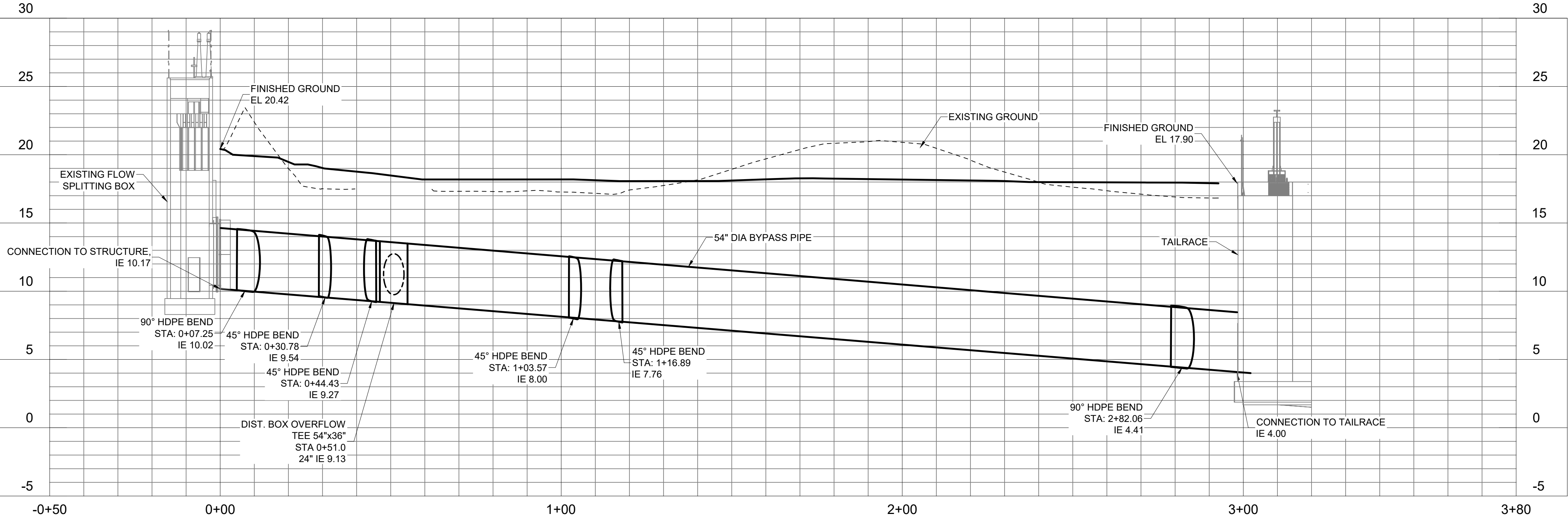
TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT

SITE PIPING ENLARGED PLAN - 2

DESIGNED M. VASILEV
DRAWN R. WOOD
CHECKED J. BURGI
PROJECT DATE 06/29/26

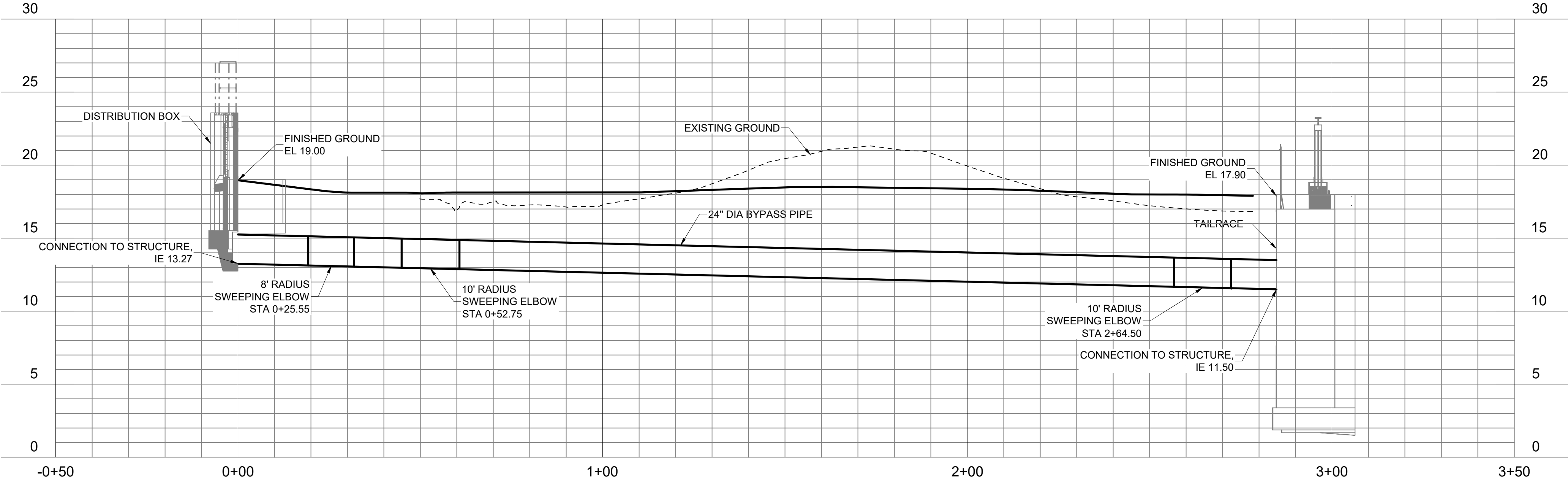
DRAWING

1C-12



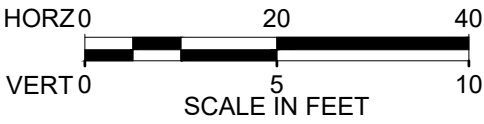
54" BP (PE05) BYPASS/SURPLUS FLOW PIPE PROFILE

SCALE: H: 1"= 20' V: 1"= 5'



24" FTR (PE05) FISH AND INTERMEDIATE FLOW PASSAGE PIPE PROFILE (FACING NORTHEAST)

SCALE: H: 1"= 20' V: 1"= 5'



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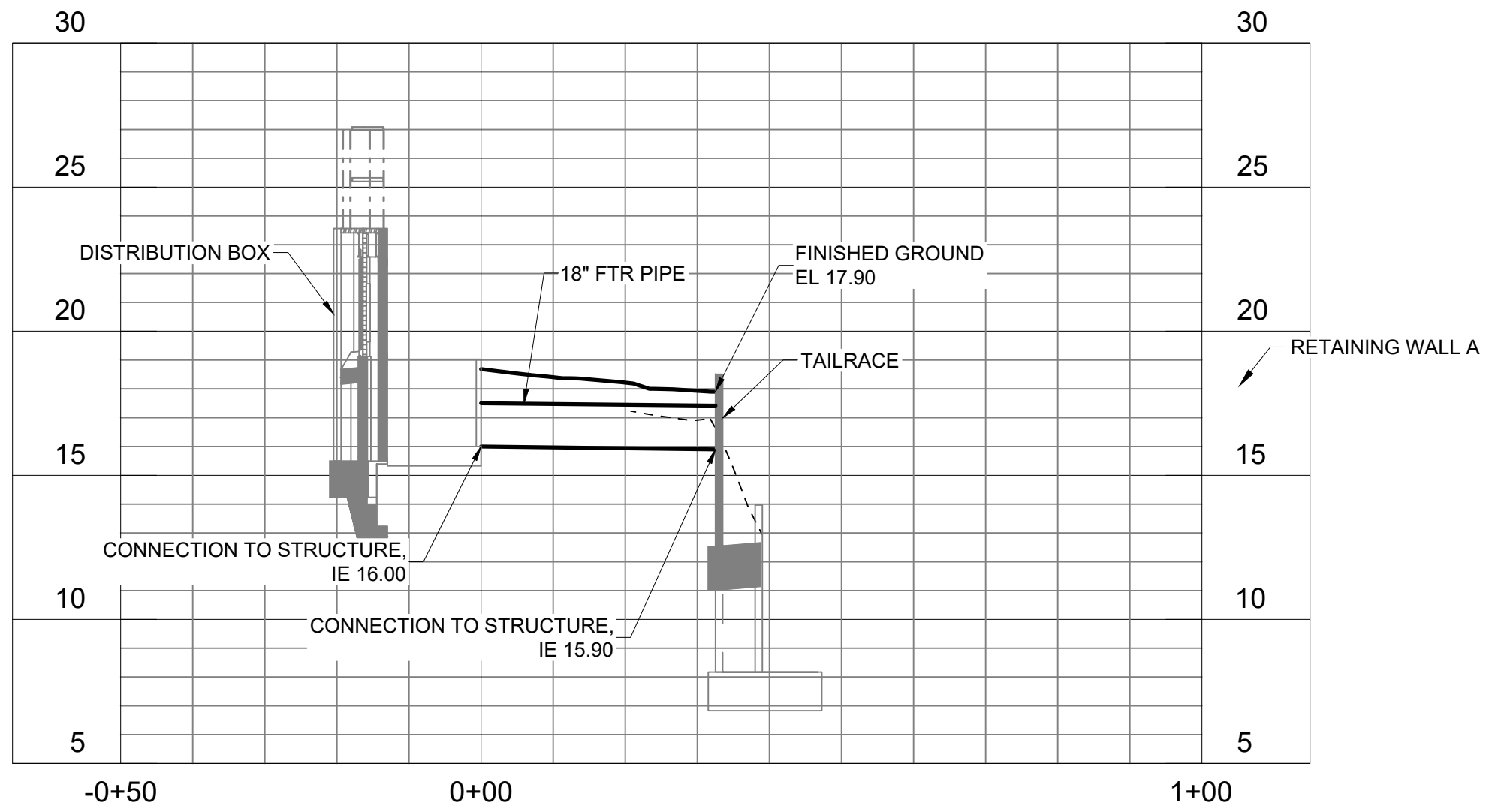


TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT

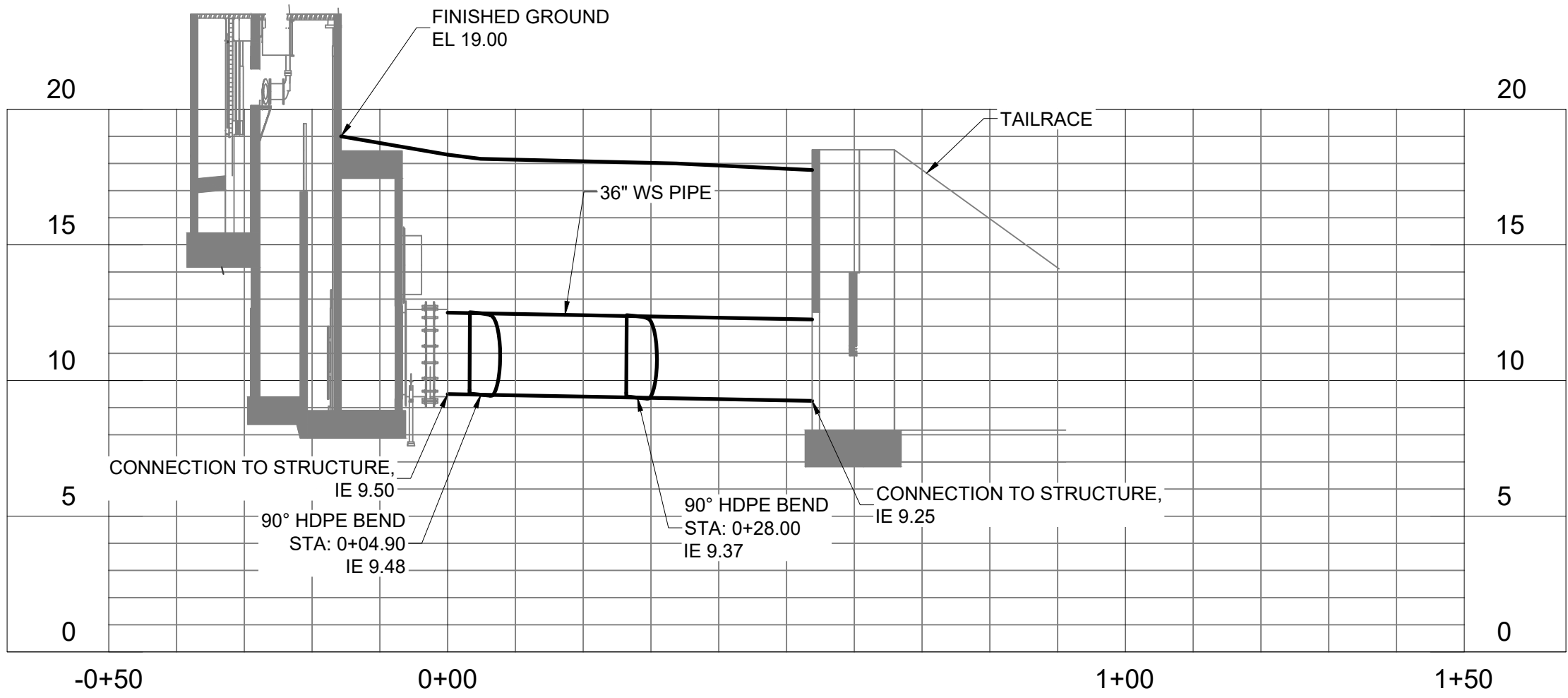
PIPING PROFILES - 1

DESIGNED M. VASILEV
DRAWN R. WOOD
CHECKED J. BURGI
PROJECT DATE 06/29/26

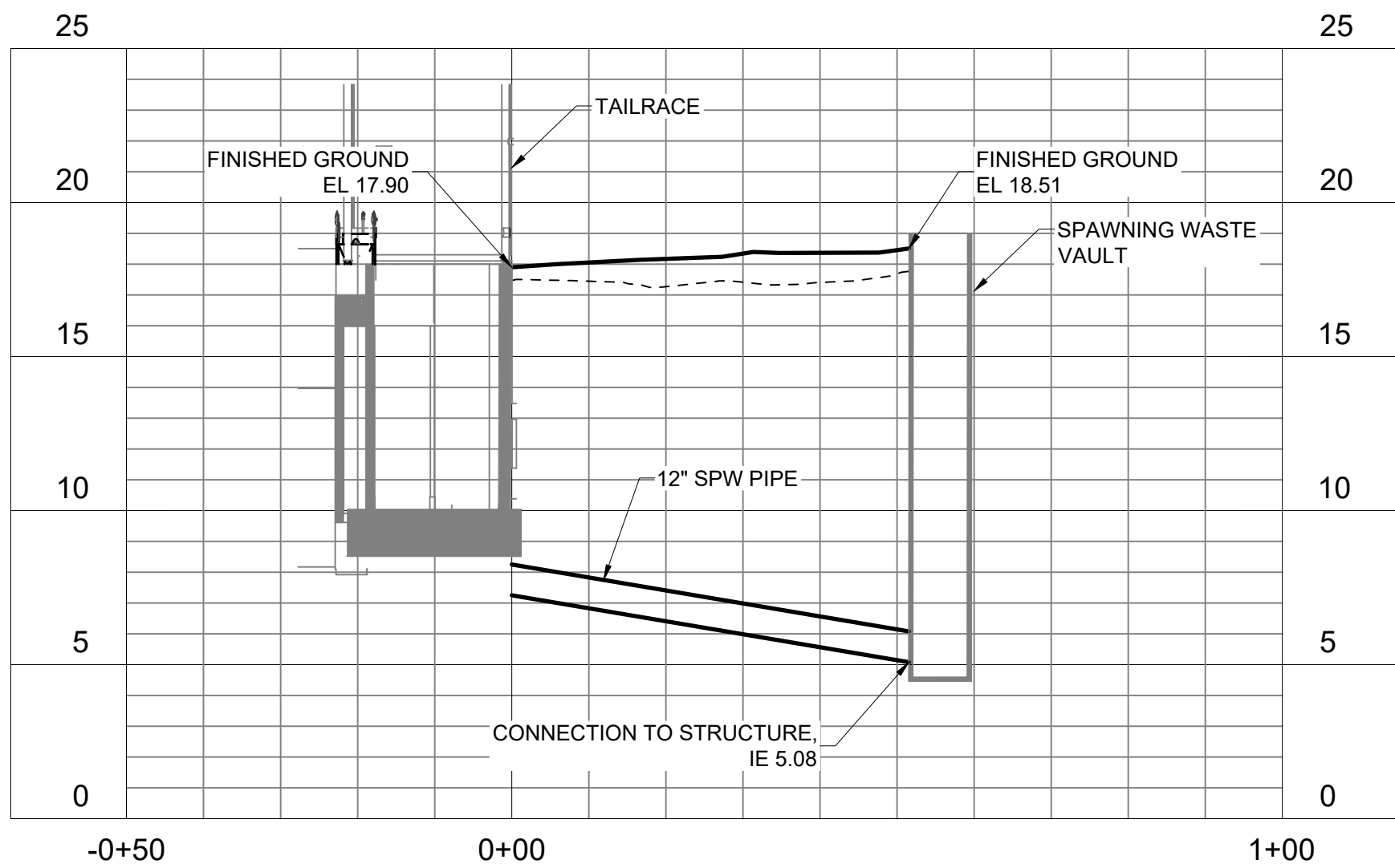
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1C-13



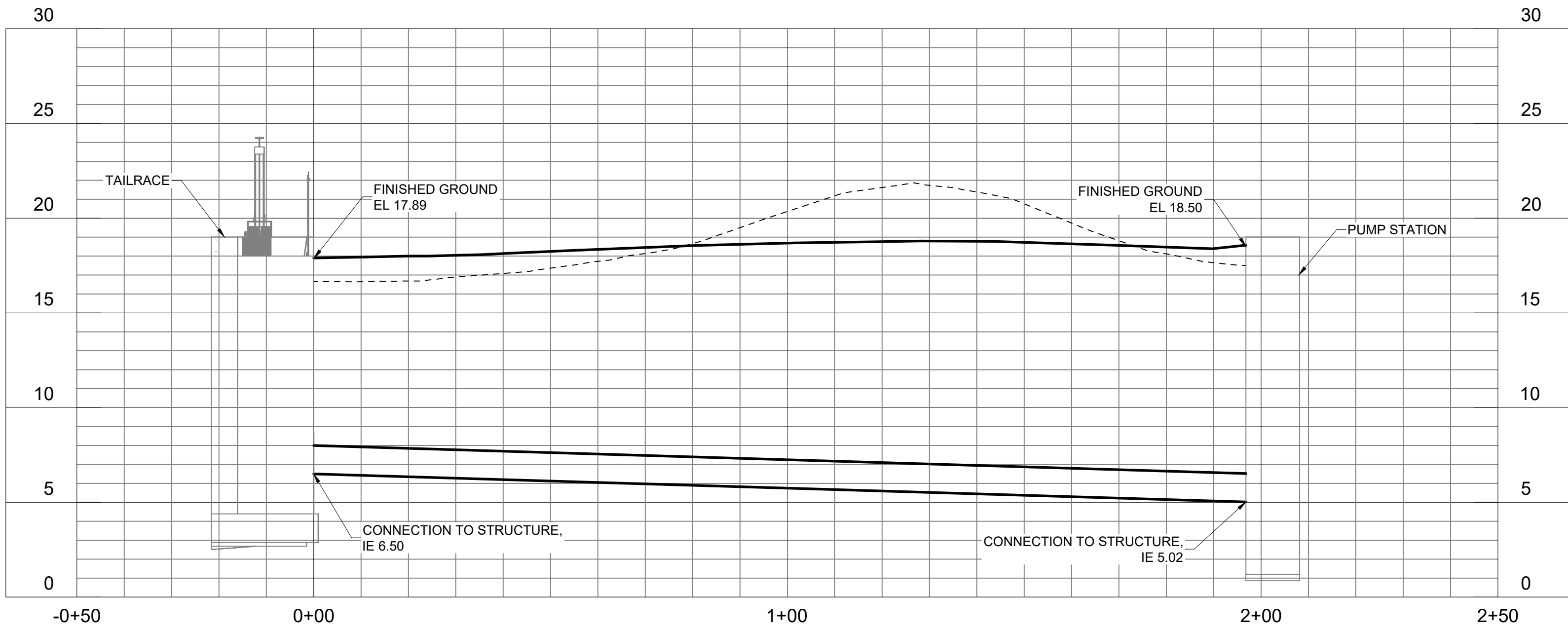
18" FTR (PE05) FISH TRANSFER TO POND/RACEWAY
SCALE: H: 1"= 20' V: 1"= 5'



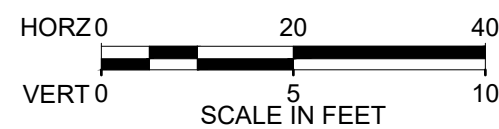
36" WS (PE05) LOWER POND WATER SUPPLY
SCALE: H: 1"= 20' V: 1"= 5'



12" SPW (PE05) TAILRACE TO SPAWING WASTE VAULT
SCALE: H: 1"= 20' V: 1"= 5'



18" D (PE05) TAILRACE TO PUMP STATION
SCALE: H: 1"= 20' V: 1"= 5'



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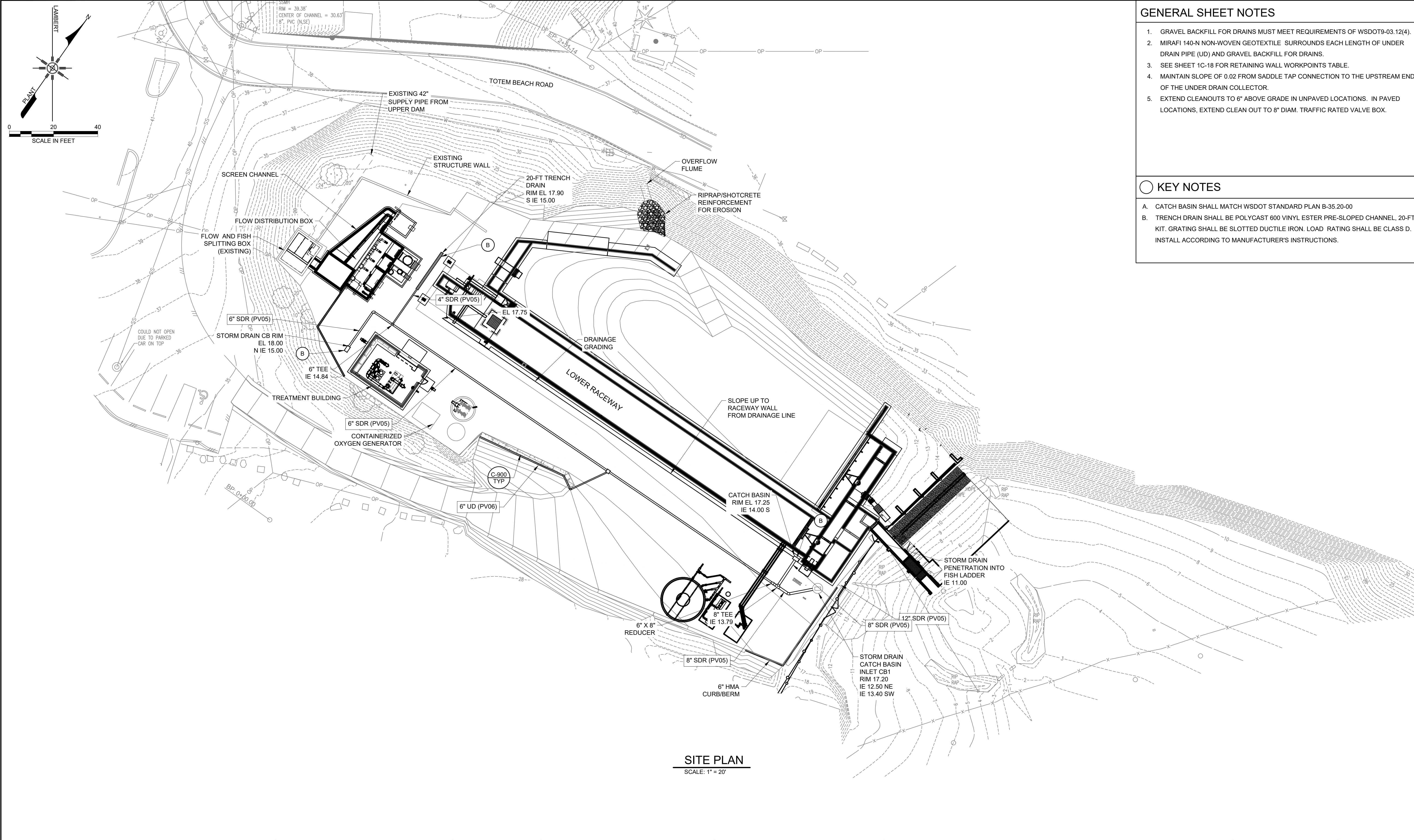


TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT

PIPING PROFILES - 2

DESIGNED _____ M. VASILEV
DRAWN _____ R. WOOD
CHECKED _____ J. BURGI
PROJECT DATE 06/29/26

DRAWING
1C-14



- GENERAL SHEET NOTES
1.

GRAVEL BACKFILL FOR DRAINS MUST MEET REQUIREMENTS OF WSDOT9-03.12(4).
2.

MIRAFI 140-N NON-WOVEN GEOTEXTILE SURROUNDS EACH LENGTH OF UNDER DRAIN PIPE (UD) AND GRAVEL BACKFILL FOR DRAINS.
3.

SEE SHEET 1C-18 FOR RETAINING WALL WORKPOINTS TABLE.
4.

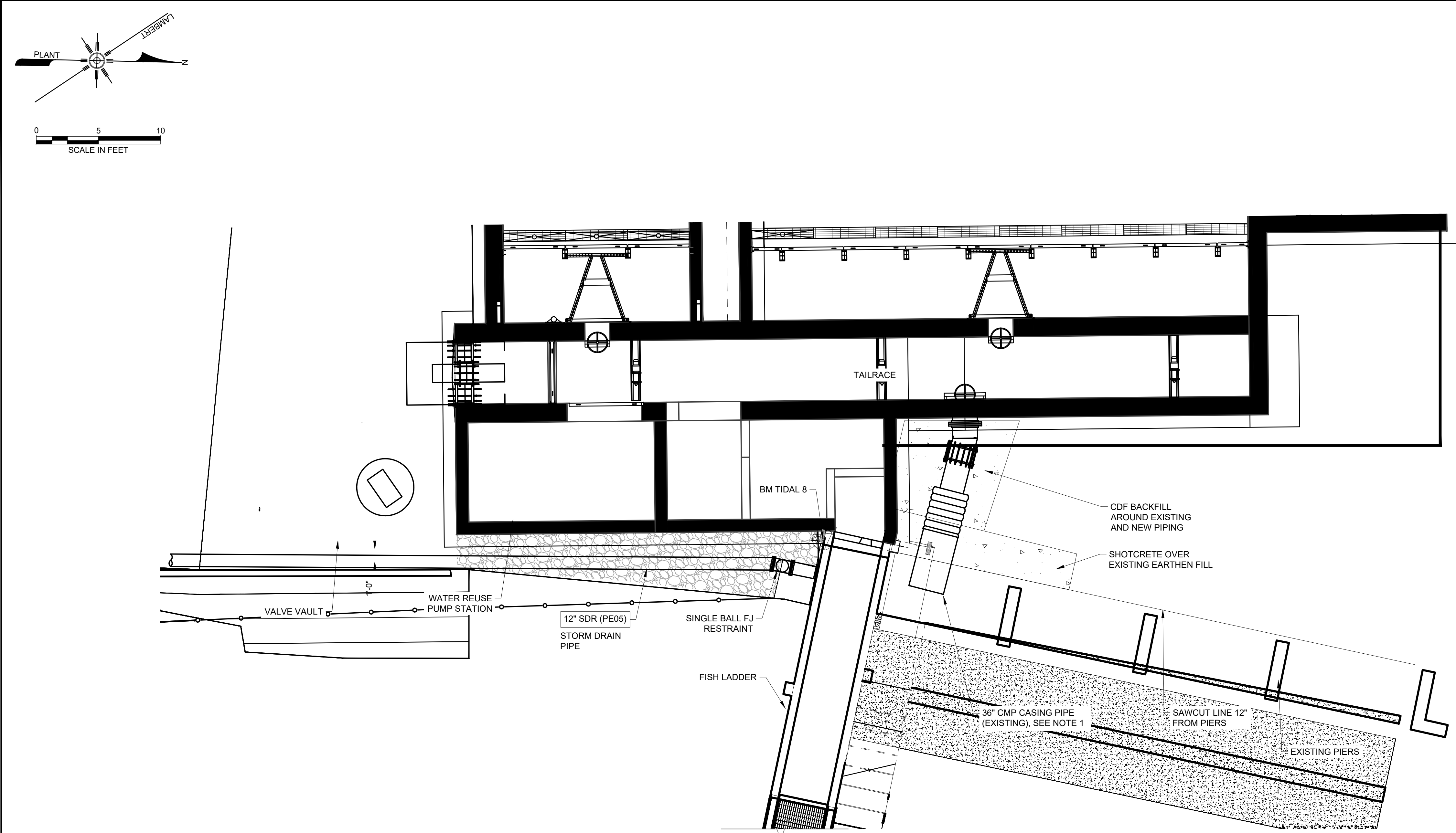
MAINTAIN SLOPE OF 0.02 FROM SADDLE TAP CONNECTION TO THE UPSTREAM END OF THE UNDER DRAIN COLLECTOR.
5.

EXTEND CLEANOUTS TO 6" ABOVE GRADE IN UNPAVED LOCATIONS. IN PAVED LOCATIONS, EXTEND CLEAN OUT TO 8" DIAM. TRAFFIC RATED VALVE BOX.
- KEY NOTES
- A.

CATCH BASIN SHALL MATCH WSDOT STANDARD PLAN B-35.20-00
- B.

TRENCH DRAIN SHALL BE POLYCAST 600 VINYL ESTER PRE-SLOPED CHANNEL, 20-FT KIT. GRATING SHALL BE SLOTTED DUCTILE IRON. LOAD RATING SHALL BE CLASS D. INSTALL ACCORDING TO MANUFACTURER'S INSTRUCTIONS.

				PRELIMINARY NOT FOR CONSTRUCTION	WARNING 0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE	McMillen 1471 Shoreline Dr. Ste 100, Boise, ID 83702 (208) 342-4214 mcmillen.com	TULALIP TRIBES	TULALIP TRIBES	DESIGNED <u>M. VASILEV</u> DRAWN <u>R. WOOD</u> CHECKED <u>J. BURGI</u> PROJECT DATE <u>06/29/26</u> Exhibit E.2 Page 32 of 161	DRAWING 1C-16				
								TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT						
A	06/29/26	RM	PRE-FINAL SUBMITTAL					SITE DRAINAGE PLAN						
REV	DATE	BY	DESCRIPTION											



1
1C-17 LOWER DAM FOREBAY / SPILLWAY ENLARGED PLAN
SCALE: 1" = 5'

- GENERAL SHEET NOTES**
1. PROVIDE VIDEO INSPECTION OF EXISTING FISH RELEASE PIPE PRIOR TO CONSTRUCTION.
 2. FISH RELEASE PIPE CONSISTS OF A 36" CMP CASING PIPE WITH A 24" SLIPLINED HDPE PIPE INSIDE. CUT BACK CMP CASING TO INSTALL STL WALL THIMBLE, CUSTOM 15 DEG STL MITER ELBOW, RFCA, AND HDPE/STL TRANSITION.
 3. DRILL HOLES INTO CORRUGATED METAL CASING PIPE TO INJECT LOW PRESSURE GROUT INTO THE ANNULAR SPACE SURROUNDING THE 24" HDPE FISH RELEASE PIPE. HOLES SHALL BE LOCATED 12" DOWNSTREAM OF THE NEW CUT ON THE CASING PIPE.
 4. SHOTCRETE LOWER DAM FOREBAY PRIOR TO BACKFILL WITH GRAVEL BORROW OR CONSTRUCTION OF SPILLWAY SLAB.
 5. BACKFILL THE CASING PIPE, FISH RELEASE PIPE, ELBOW, AND RFCA WITH CDF AS TRENCH BACKFILL.
 6. INSTALL ROMAC SINGLE BALL FLEXIBLE EXPANSION JOINT (FJ) RESTRAINT TO ALLOW 12" STORM DRAIN PIPE PERPENDICULAR PENETRATION AT FISH LADDER WALL.

A	06/29/26	RM	PRE-FINAL SUBMITTAL	
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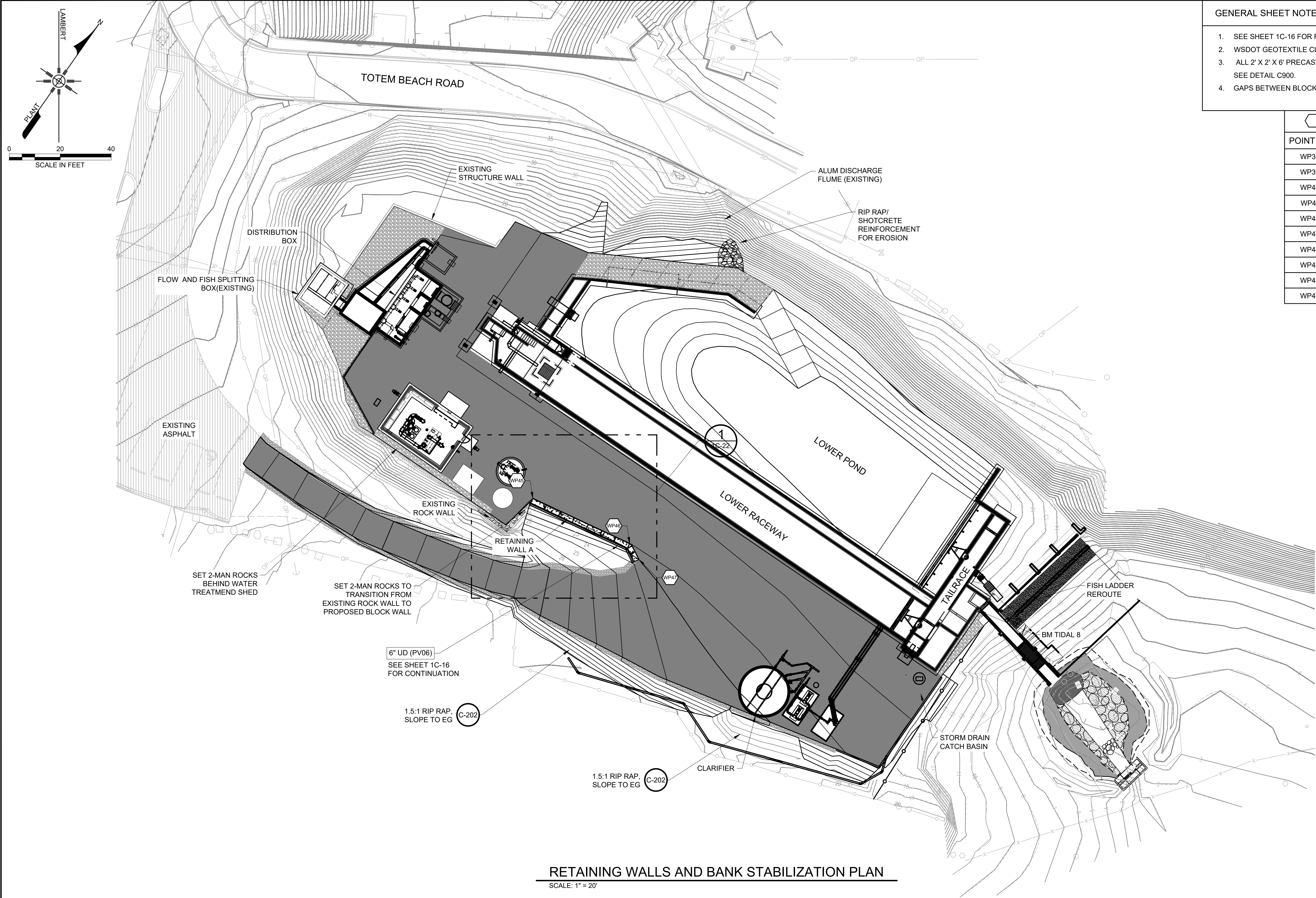


TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT

LOWER DAM FOREBAY /
SPILLWAY ENLARGED PLAN

DESIGNED M. VASILEV
DRAWN R. WOOD
CHECKED J. BURGI
PROJECT DATE 06/29/26

DRAWING
1C-20



- GENERAL SHEET NOTES
- SEE SHEET 1C-16 FOR RETAINING WALL UNDERDRAIN PLAN.
 - WSDOT GEOTEXTILE CLASS A WRAP REQUIRED AROUND ALL DRAIN PIPES (DETAIL C900).
 - ALL 2' X 2' X 6' PRECAST CONCRETE BLOCKS INSTALLED HORIZONTALLY LEVEL AND KEYED INTO THE GROUND. SEE DETAIL C900.
 - GAPS BETWEEN BLOCKS GREATER THAN 4" IN WIDTH, TO BE FILLED WITH CONCRETE.

WORK POINT TABLE			
POINT NO	NORTHING	EASTING	DESCRIPTION
WP38	391877.39	1285261.22	RETAINING WALL C
WP39	391876.12	1285263.03	RETAINING WALL C
WP40	391875.81	1285270.12	RETAINING WALL C NW OF LOWER RACEWAY
WP41	391781.30	1285217.74	RETAINING WALL A NEAR OXYGEN GENERATOR SHED
WP42	391763.60	1285255.75	RETAINING WALL A SW OF LOWER RACEWAY
WP43	391757.35	1285259.35	RETAINING WALL A AT CORNER
WP44	391715.16	1285237.10	RETAINING WALL B
WP45	391702.99	1285278.65	RETAINING WALL B W OF CLARIFIER
WP46	391688.06	1285288.46	RETAINING WALL B SW OF CLARIFIER
WP47	391672.16	1285345.89	RETAINING WALL B NEAR CB 1

RETAINING WALLS AND BANK STABILIZATION PLAN
SCALE: 1" = 20'

A	06/29/26	RM	PRE-FINAL SUBMITTAL
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING
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IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE

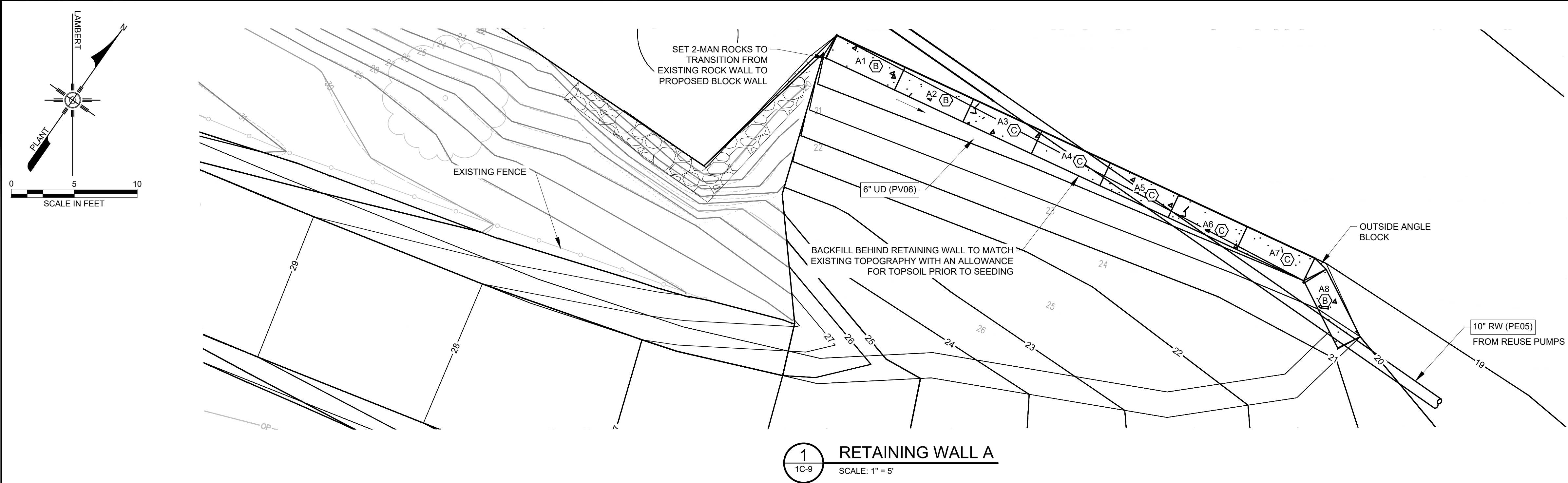


TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT

RETAINING WALL AND BANK
STABILIZATION PLAN

DESIGNED M. VASILEV
DRAWN R. WOOD
CHECKED J. BURGI
PROJECT DATE 06/29/26

DRAWING
1C-21
Page 34 of 161



GENERAL SHEET NOTES			
1. CONTRACTOR SHALL USE ULTRABLOCK FULL PLAIN FACE BLOCKS OR EQUIVALENT. CONTRACTOR SHALL FOLLOW THE ULTRABLOCK BUILDING GUIDE FOR RETAINING WALL CONSTRUCTION			
KEY NOTES			
⬡			
RETAINING WALL A - BLOCK SCHEDULE			
BLOCK ID.	NO. OF BLOCKS	HEEL ELEV.	BACK TOW ELEV.
A1	1	18	20
A2	1	18	20
A3	1	18	20
A4	1	18	20
A5	1	18	20
A6	1	18	20
A7	1	18	20
A8	1	18	20

A	06/29/26	RM	PRE-FINAL SUBMITTAL
REV	DATE	BY	DESCRIPTION

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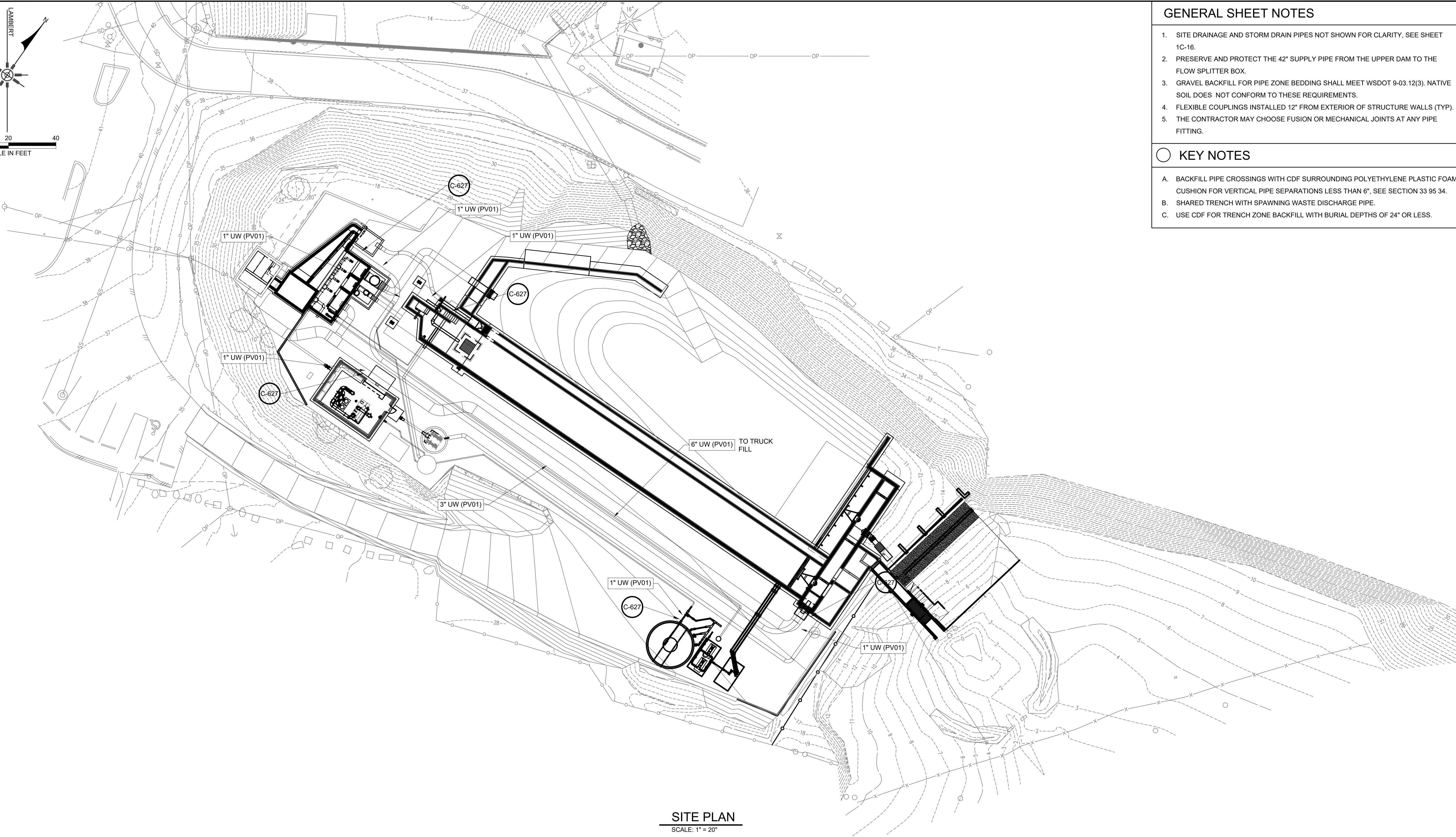
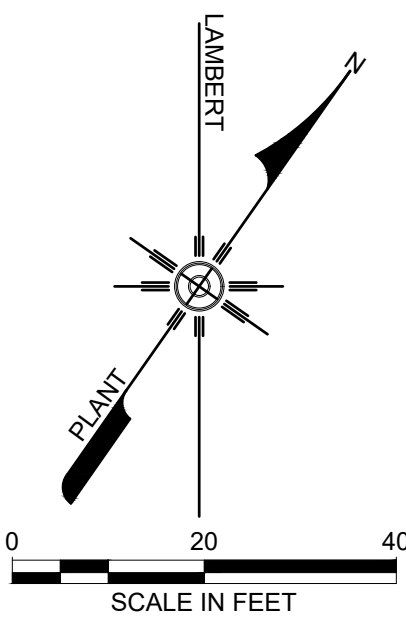
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IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE



TULALIP TRIBES	
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	
RETAINING WALL DETAILS	

DESIGNED	M. VASILEV
DRAWN	R. WOOD
CHECKED	J. BURGI
PROJECT DATE	06/29/26

DRAWING
1C-22



GENERAL SHEET NOTES

- 1. SITE DRAINAGE AND STORM DRAIN PIPES NOT SHOWN FOR CLARITY, SEE SHEET 1C-16.
- 2. PRESERVE AND PROTECT THE 42" SUPPLY PIPE FROM THE UPPER DAM TO THE FLOW SPLITTER BOX.
- 3. GRAVEL BACKFILL FOR PIPE ZONE BEDDING SHALL MEET WSDOT 9-03.12(3). NATIVE SOIL DOES NOT CONFORM TO THESE REQUIREMENTS.
- 4. FLEXIBLE COUPLINGS INSTALLED 12" FROM EXTERIOR OF STRUCTURE WALLS (TYP).
- 5. THE CONTRACTOR MAY CHOOSE FUSION OR MECHANICAL JOINTS AT ANY PIPE FITTING.

KEY NOTES

- A. BACKFILL PIPE CROSSINGS WITH CDF SURROUNDING POLYETHYLENE PLASTIC FOAM CUSHION FOR VERTICAL PIPE SEPARATIONS LESS THAN 6", SEE SECTION 33 95 34.
- B. SHARED TRENCH WITH SPAWNING WASTE DISCHARGE PIPE.
- C. USE CDF FOR TRENCH ZONE BACKFILL WITH BURIAL DEPTHS OF 24" OR LESS.

SITE PLAN
SCALE: 1" = 20"

A	06/29/26	RM	PRE-FINAL SUBMITTAL
REV	DATE	BY	DESCRIPTION

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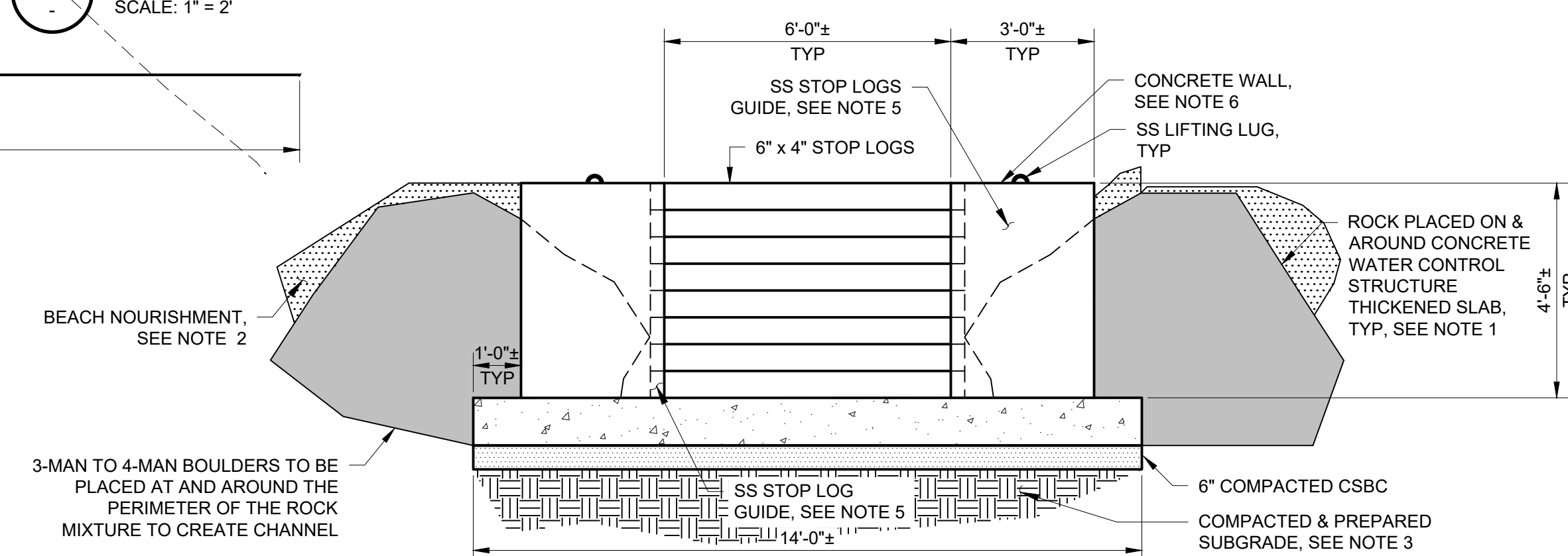
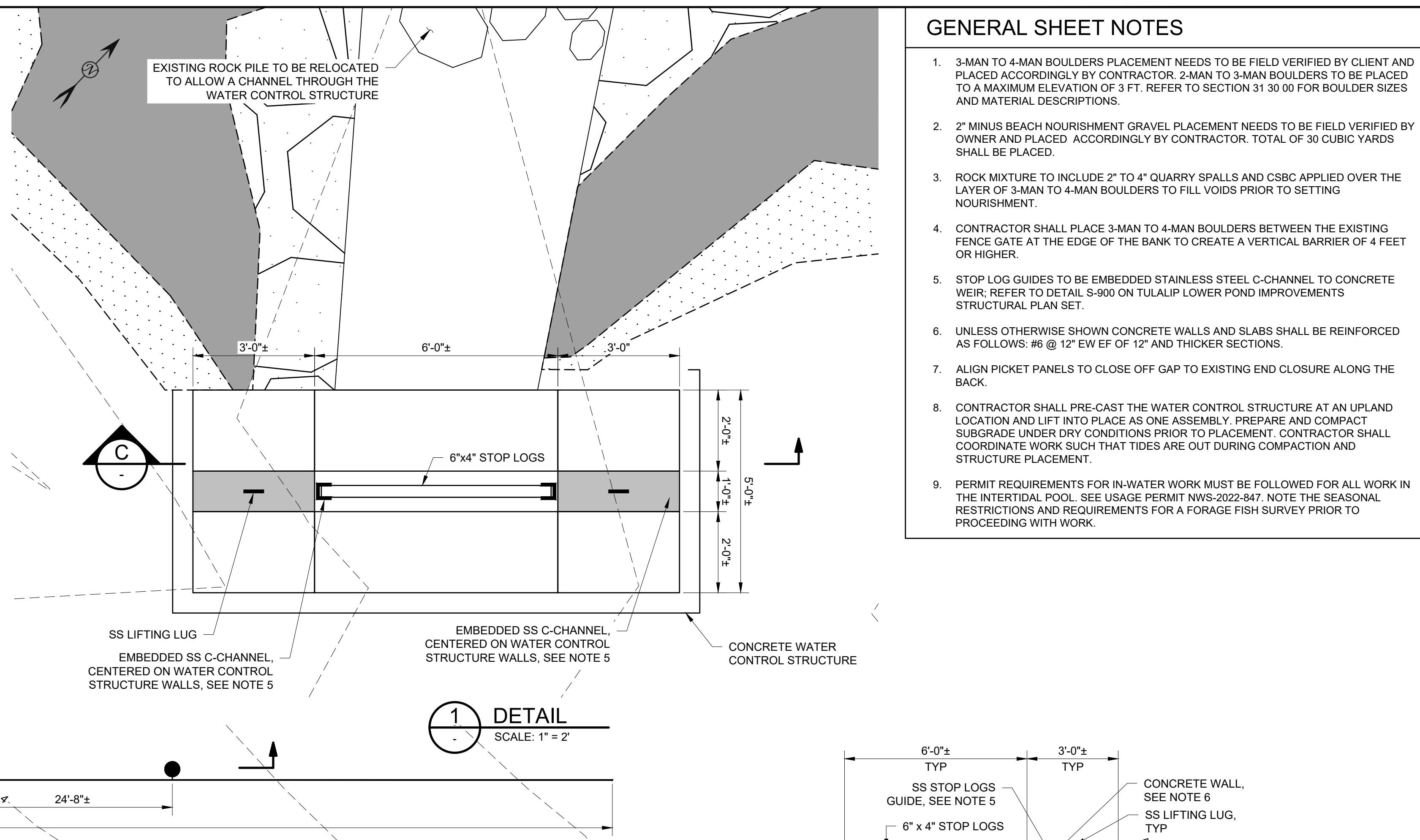
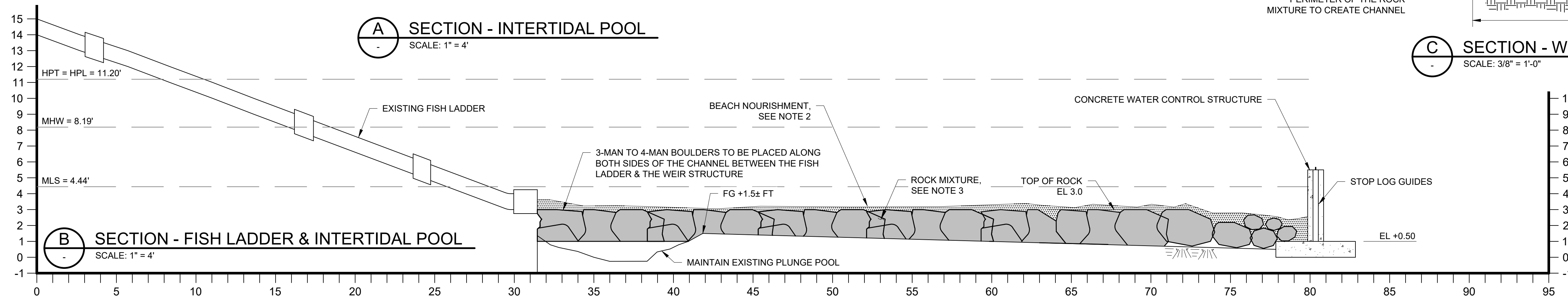
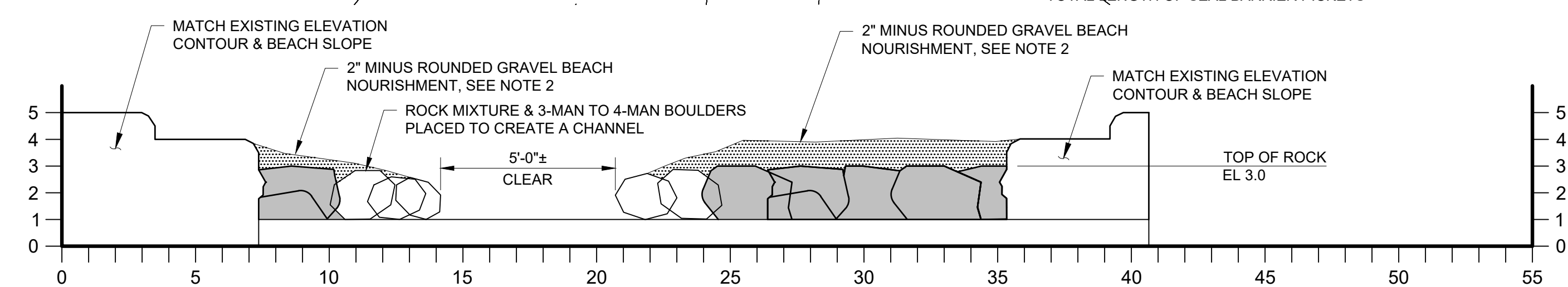
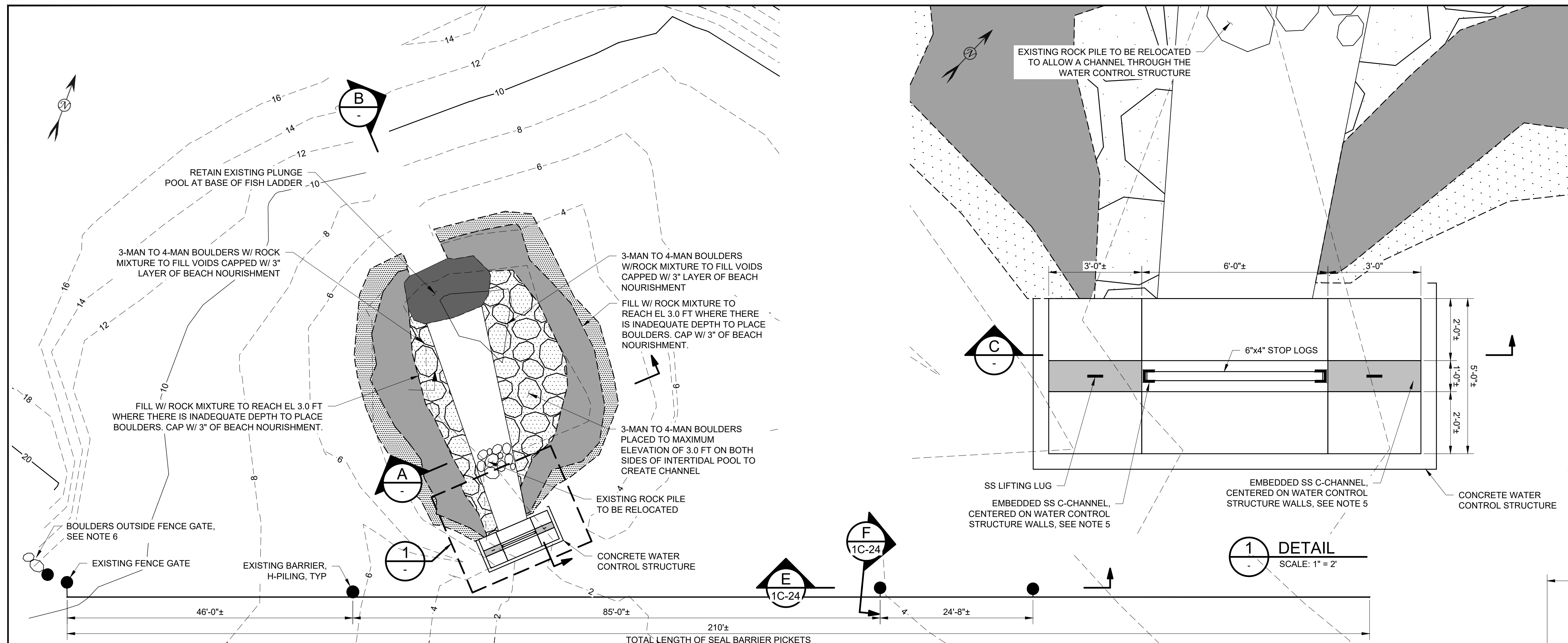
TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT
UTILITY PIPING PLAN

DESIGNED	M. VASILEV
DRAWN	R. WOOD
CHECKED	J. BURGI
PROJECT DATE	06/29/26

DRAWING

1C-23

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GENERAL SHEET NOTES

1. 3-MAN TO 4-MAN BOULDERS PLACEMENT NEEDS TO BE FIELD VERIFIED BY CLIENT AND PLACED ACCORDINGLY BY CONTRACTOR. 2-MAN TO 3-MAN BOULDERS TO BE PLACED TO A MAXIMUM ELEVATION OF 3 FT. REFER TO SECTION 31 30 00 FOR BOULDER SIZES AND MATERIAL DESCRIPTIONS.
2. 2" MINUS BEACH NOURISHMENT GRAVEL PLACEMENT NEEDS TO BE FIELD VERIFIED BY OWNER AND PLACED ACCORDINGLY BY CONTRACTOR. TOTAL OF 30 CUBIC YARDS SHALL BE PLACED.
3. ROCK MIXTURE TO INCLUDE 2" TO 4" QUARRY SPALLS AND CSBC APPLIED OVER THE LAYER OF 3-MAN TO 4-MAN BOULDERS TO FILL VOIDS PRIOR TO SETTING NOURISHMENT.
4. CONTRACTOR SHALL PLACE 3-MAN TO 4-MAN BOULDERS BETWEEN THE EXISTING FENCE GATE AT THE EDGE OF THE BANK TO CREATE A VERTICAL BARRIER OF 4 FEET OR HIGHER.
5. STOP LOG GUIDES TO BE EMBEDDED STAINLESS STEEL C-CHANNEL TO CONCRETE WEIR; REFER TO DETAIL S-900 ON TULALIP LOWER POOL IMPROVEMENTS STRUCTURAL PLAN SET.
6. UNLESS OTHERWISE SHOWN CONCRETE WALLS AND SLABS SHALL BE REINFORCED AS FOLLOWS: #6 @ 12" EW EF OF 12" AND THICKER SECTIONS.
7. ALIGN PICKET PANELS TO CLOSE OFF GAP TO EXISTING END CLOSURE ALONG THE BACK.
8. CONTRACTOR SHALL PRE-CAST THE WATER CONTROL STRUCTURE AT AN UPLAND LOCATION AND LIFT INTO PLACE AS ONE ASSEMBLY. PREPARE AND COMPACT SUBGRADE UNDER DRY CONDITIONS PRIOR TO PLACEMENT. CONTRACTOR SHALL COORDINATE WORK SUCH THAT TIDES ARE OUT DURING COMPACTION AND STRUCTURE PLACEMENT.
9. PERMIT REQUIREMENTS FOR IN-WATER WORK MUST BE FOLLOWED FOR ALL WORK IN THE INTERTIDAL POOL. SEE USAGE PERMIT NWS-2022-847. NOTE THE SEASONAL RESTRICTIONS AND REQUIREMENTS FOR A FORAGE FISH SURVEY PRIOR TO PROCEEDING WITH WORK.

A	06/29/26	RM	PRE-FINAL SUBMITTAL
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING



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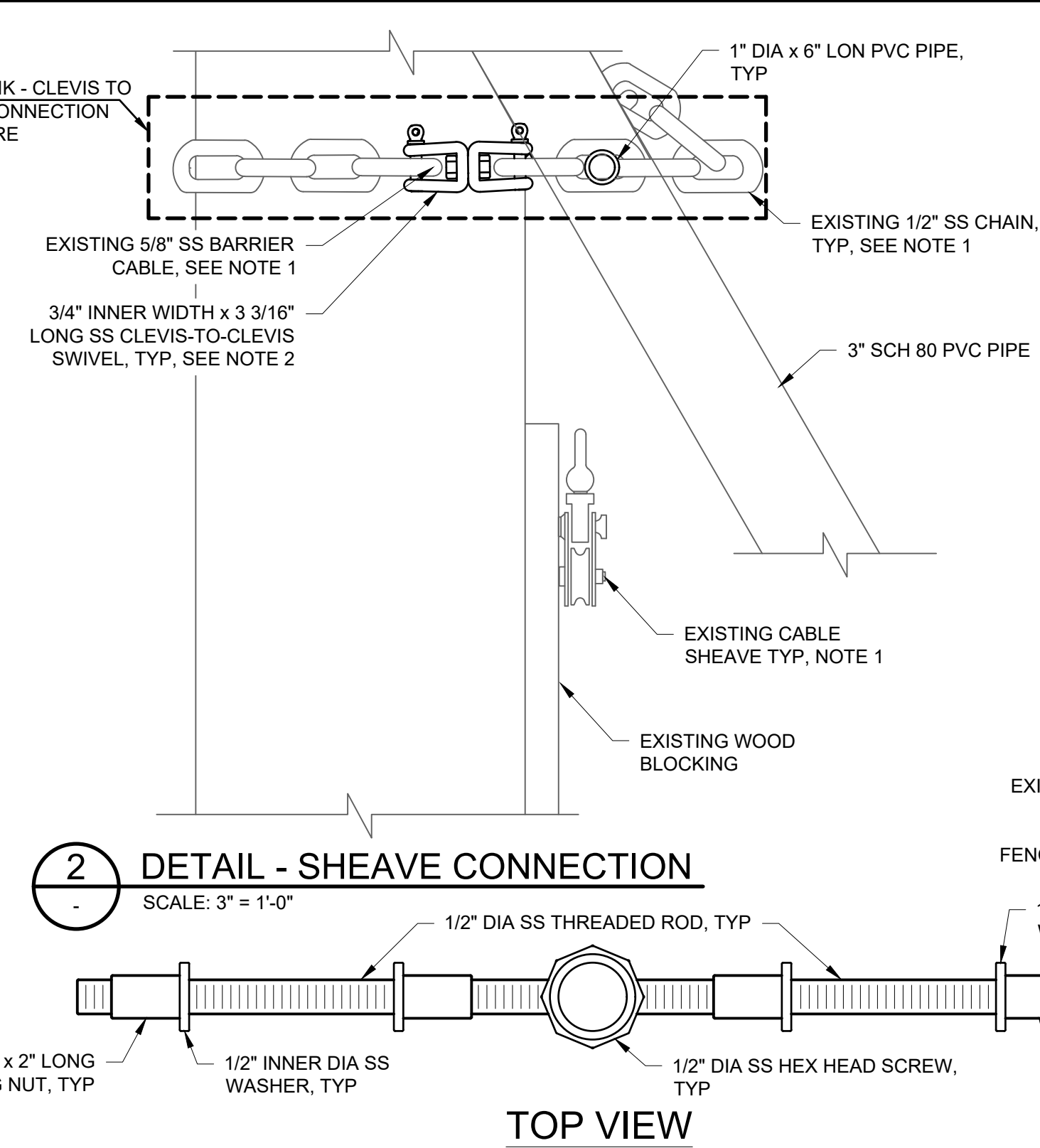
TULALIP TRIBES
 WEEK LOWER POND IMPROVEMENTS PROJECT
 HOLDING POOL AND SEAL
 BARRIER IMPROVEMENTS

DESIGNED M. VASILEV
DRAWN R. WOOD
CHECKED J. BURGI
PROJECT DATE 06/29/26

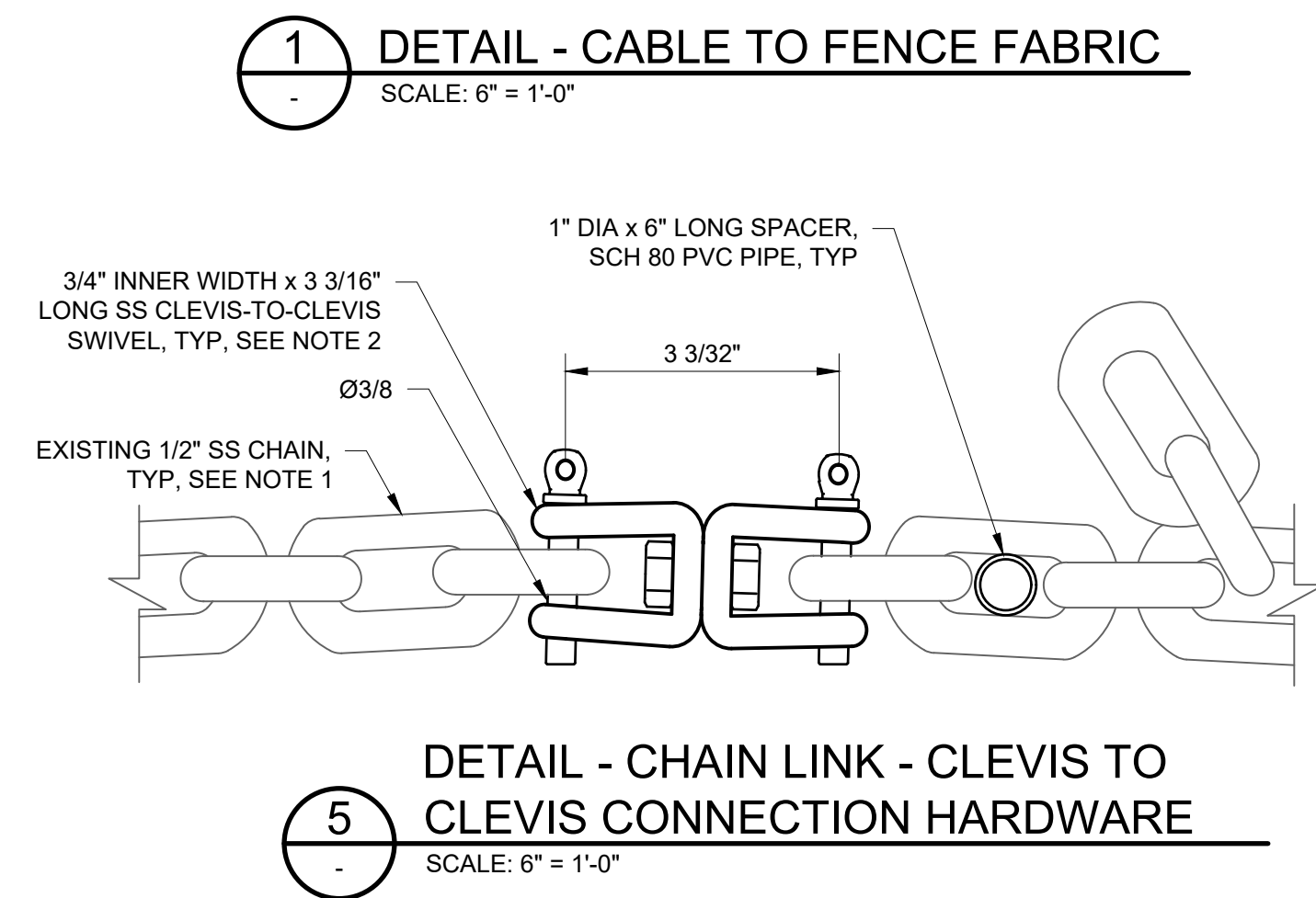
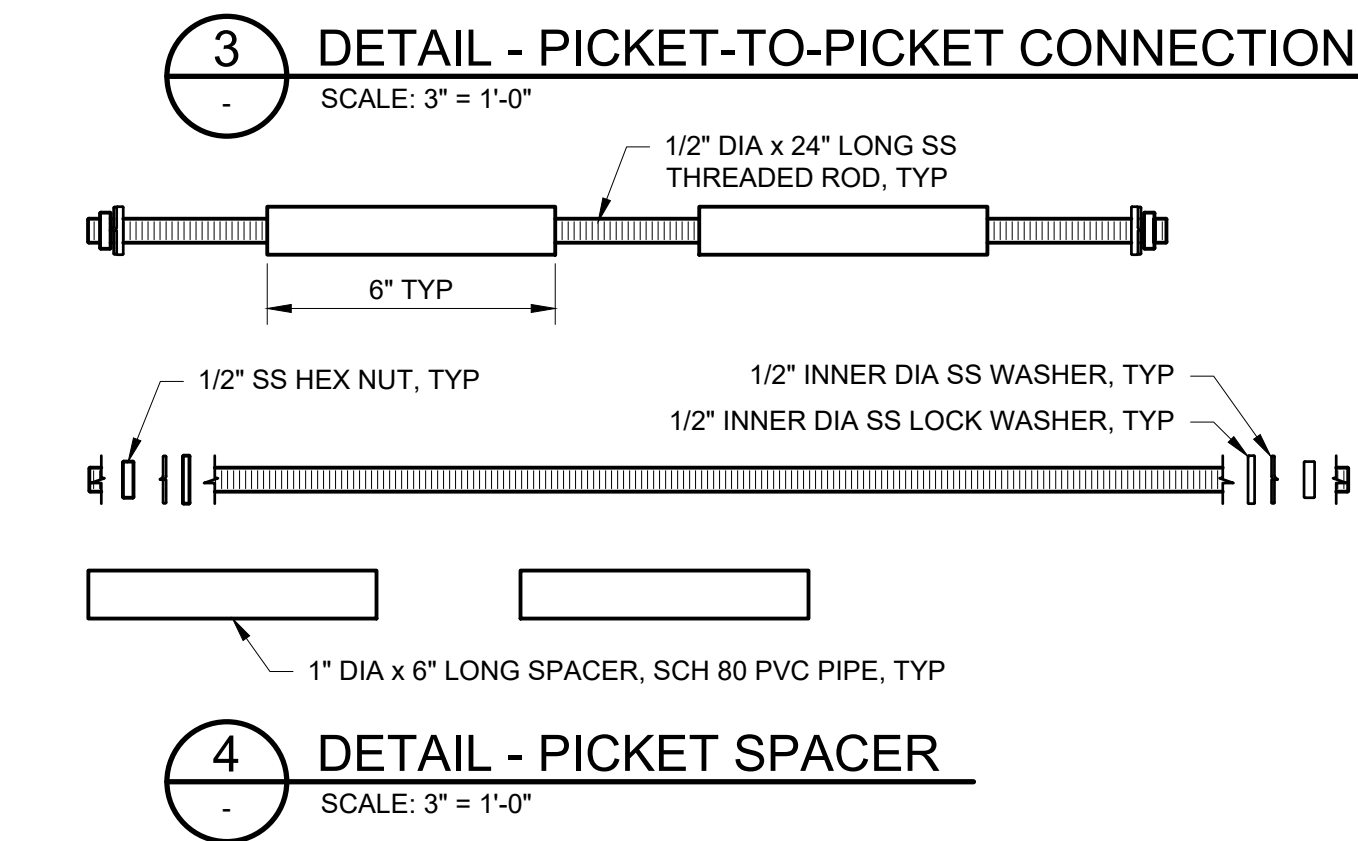
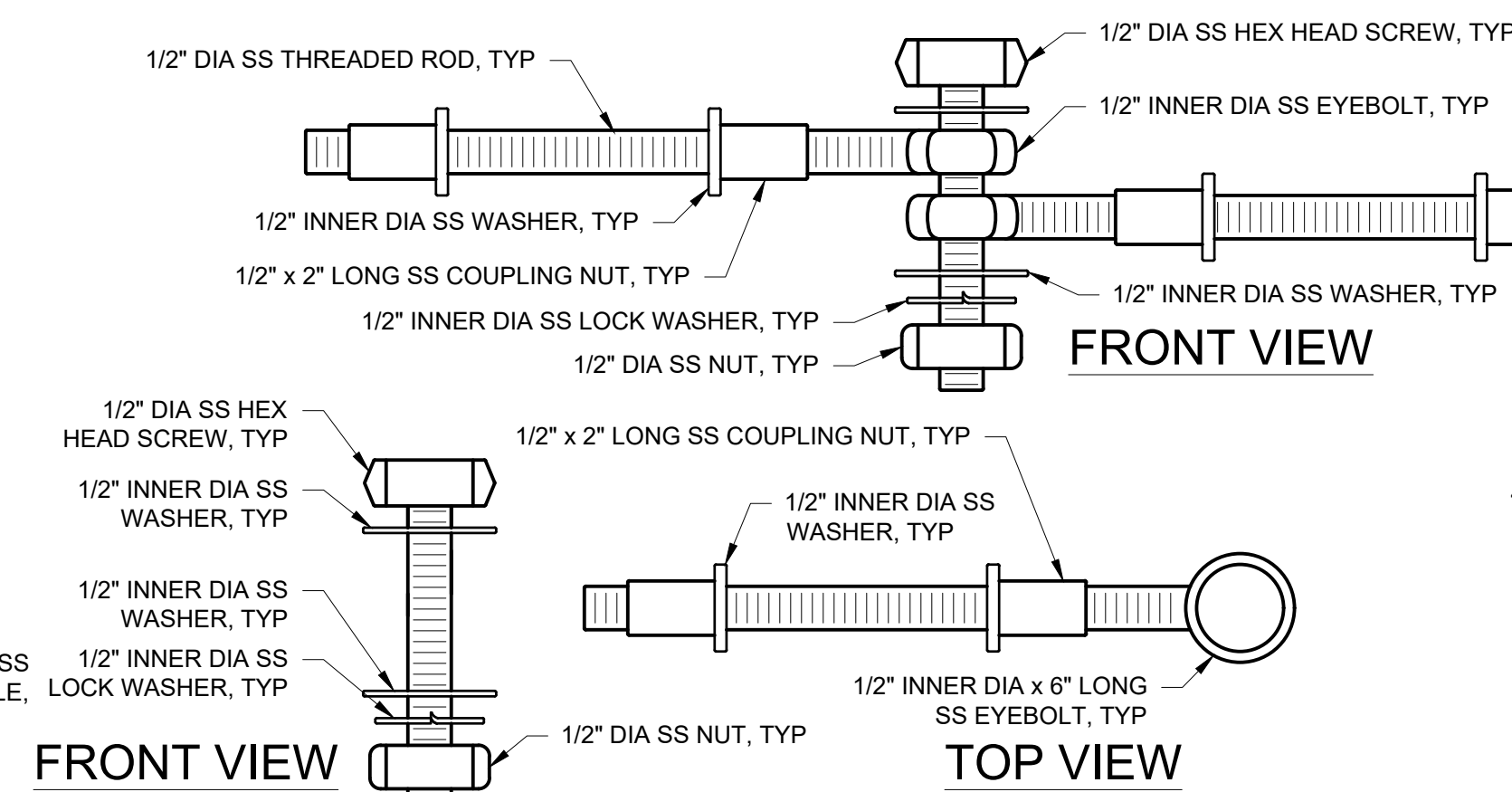
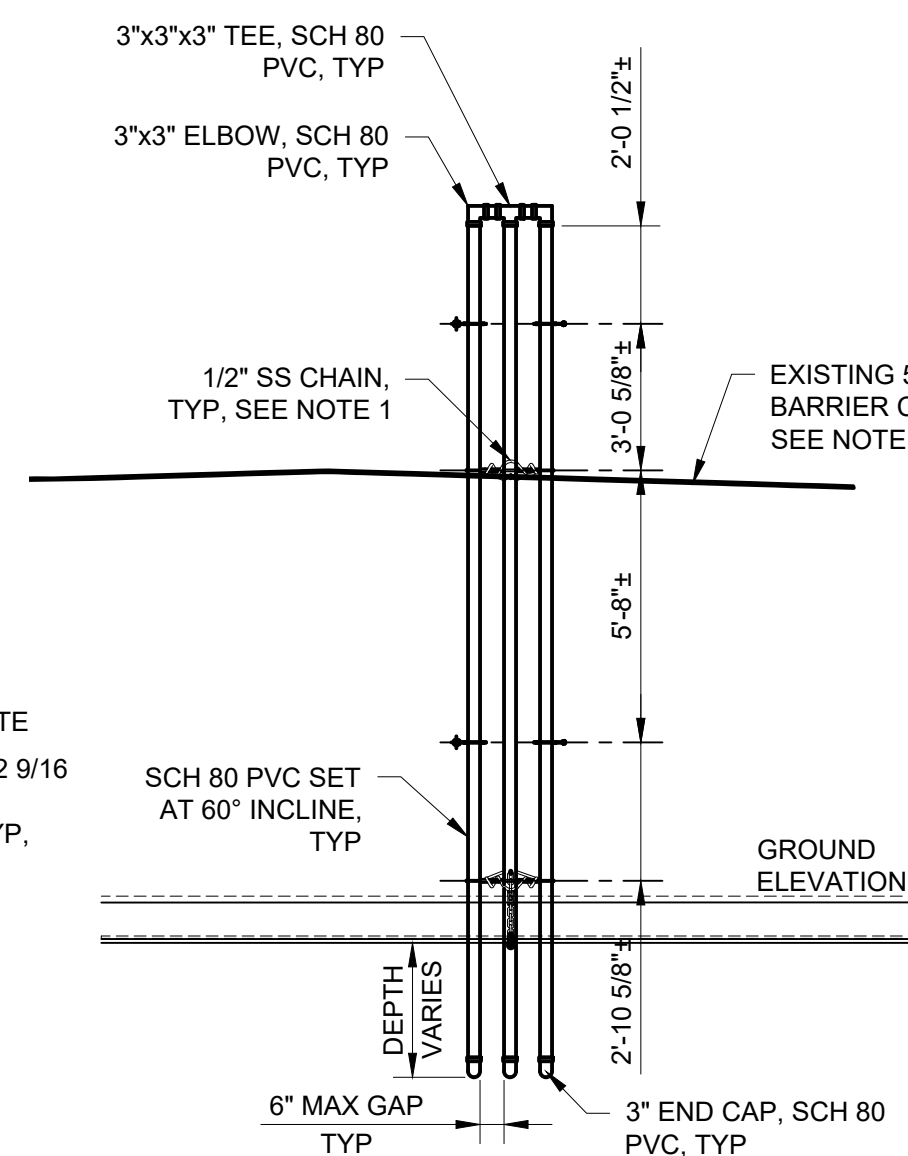
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1C-24

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-
- FRONT VIEW**
- EXISTING 1/2" SS CHAIN, TYP, SEE NOTE 1
- EXISTING 5/8" SS BARRIER CABLE, NOTE 1
- 1 11/32" INNER WIDTH x 2 9/16" SS LONG HEAVY DUTY FLUSH-PIN SHACKLE, TYP, SEE NOTE 2
- EXISTING 1/4" SS BARRIER CABLE TO BE WEAVED THROUGH CHAIN LINK FENCE FABRIC, SEE NOTE 1
- 4" CHAIN LINK FENCE FABRIC, TYP, SEE NOTE 2
- 1/2" INNER DIA SS WASHER, TYP
- 1/2" x 2" LONG SS COUPLING NUT, TYP
- SIDE VIEW**
- EXISTING 1/2" SS CHAIN, TYP, SEE NOTE 1
- 1 11/32" INNER WIDTH x 2 9/16" SS LONG HEAVY DUTY FLUSH-PIN SHACKLE, TYP, SEE NOTE 2
- EXISTING 5/8" SS BARRIER CABLE, SEE NOTE 1
- EXISTING 1/4" SS BARRIER CABLE TO BE WEAVED THROUGH CHAIN LINK FENCE FABRIC, SEE NOTE 1
- 4" CHAIN LINK FENCE FABRIC, TYP, SEE NOTE 2



DRAWING

1C-25

OTHER STRUCTURAL STEEL INSPECTION TASKS

ADDITIONAL INSPECTION REQUIREMENTS OF THE QUALITY ASSURANCE PROCEDURES ARE AS FOLLOWS:

- A) INSPECTION SHALL BE PERFORMED DURING THE PLACEMENT OF THE ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL FOR COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS, AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND LENGTH OF THE ANCHOR ROD OR EMBEDDED ITEM, AND THE EXTENT OF THE EMBEDMENT INTO THE CONCRETE, SHALL BE VERIFIED PRIOR TO THE PLACEMENT OF CONCRETE.
- B) INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS APPROPRIATE, TO VERIFY COMPLIANCE WITH THE DETAILS SHOWN ON THE CONSTRUCTION DOCUMENTS, SUCH AS BRACES, STIFFENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CONNECTION.
- C) MATERIAL VERIFICATION OF STRUCTURAL STEEL:
 - I) IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.
 - II) MANUFACTURERS' VERIFIED MILL TEST REPORTS.
- D) INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS:
 - I) DETAILS SUCH AS BRACING AND STIFFENING.
 - II) MEMBERS LOCATIONS
 - III) APPLICATION OF JOINT DETAILS AT EACH CONNECTION.

STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL (IBC SECTION 1705.2.2)

VERIFICATION AND INSPECTION	INSPECTION		REFERENCED STANDARDS
	CONTINUOUS	PERIODIC	
MATERIAL VERIFICATION OF COLD-FORMED STEEL DECK:			
IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	-	X	APPLICABLE ASTM MATERIAL STANDARDS
MANUFACTURER'S CERTIFIED TEST REPORTS.	-	X	
INSPECTION OF WELDING:			
COLD-FORMED STEEL DECK			
FLOOR AND ROOF DECK WELDS	-	X	AWS D1.3
REINFORCING STEEL:			
VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706.	-	X	AWS D1.4 ACI 318: SECTION 3.5.2

INSPECTION OF SOILS

1. SPECIAL INSPECTION FOR SOIL WILL BE IN ACCORDANCE WITH IBC SECTION 1705.6 AND THE FOLLOWING TABLE.

VERIFICATION AND INSPECTION	INSPECTION	
	CONTINUOUS	PERIODIC
VERIFY MATERIALS BELOW FOOTINGS AND SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	-	X
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	-	X
PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS.	-	X
VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL.	X	-
PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	-	X

INSPECTION OF CONCRETE CONSTRUCTION

1. SPECIAL INSPECTION FOR CONCRETE CONSTRUCTION WILL BE IN ACCORDANCE WITH IBC SECTION 1705.3 AND THE FOLLOWING TABLE.

VERIFICATION AND INSPECTION	INSPECTION		REFERENCED STANDARD (A)	IBC REFERENCE
	CONTINUOUS	PERIODIC		
INSPECTION OF REINFORCING STEEL, INCLUDING PLACEMENT.	-	X	ACI 318: 3.5, 7.1 - 7.7	1910.4
INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1705.2.2 ITEM 2b.	-	-	AWS D1.4 ACI 318: 3.5.2	-
INSPECTION OF ANCHORS CAST IN CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED.	-	X	ACI 318 - 8.1.3, 21.2.8	1908.5, 1909.1
INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS (B).	-	X	ACI 318- 3.8.6, 8.1.3, 21.2.8	1909.1
VERIFYING USE OF REQUIRED DESIGN MIX.	-	X	ACI 318: CH. 4, 5.2 - 5.4	1904.2, 1910.2, 1910.3
AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	-	ASTM C 172 ASTM C 31 ACI 318: 5.6, 5.8	1910.10
INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	-	ACI 318: 5.9, 5.10	1910.6, 1910.7, 1910.8
INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	-	X	ACI 318: 5.11 - 5.13	1910.9
ERECTION OF PRECAST CONCRETE MEMBERS	-	X	ACI 318: CH. 16	-
VERIFICATION OF IN-SITU CONCRETE STRENGTH PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	-	X	ACI 318: 6.2	-
INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	-	X	ACI 318: 6.1.1	-

(A) WHERE APPLICABLE, SEE ALSO IBC SECTION 1705.12, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE.

(B) SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH ACI 355.2 OR OTHER QUALIFICATION PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS WILL BE AS SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND WILL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO COMMENCEMENT OF THE WORK.

DEFERRED SUBMITTALS:

DEFERRED SUBMITTALS ARE THOSE PORTIONS OF THE DESIGN WHICH ARE PROVIDED BY THE CONTRACTOR AND THEREFORE WERE NOT SUBMITTED AT THE TIME OF THE PERMIT APPLICATION, AND WHICH ARE TO BE SUBMITTED TO THE PERMITTING AGENCY PRIOR TO FABRICATION OR INSTALLATION OF THAT PORTION OF THE WORK.

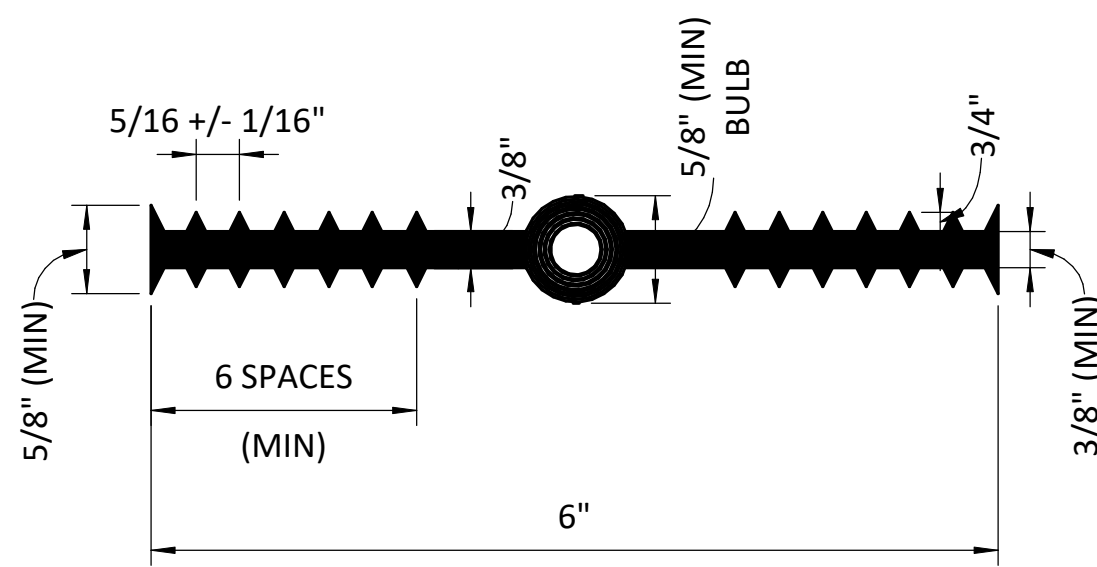
NO WORK SHALL BE PERFORMED FOR DEFERRED SUBMITTAL ITEMS UNTIL THE PLANS FOR SUCH WORK HAVE BEEN REVIEWED AND FOUND ACCEPTABLE BY THE STRUCTURAL ENGINEER OF RECORD AND APPROVED BY THE BUILDING OFFICIAL.

DRAWINGS AND CALCULATIONS FOR THESE ITEMS SHALL BE SIGNED AND SEALED BY A LICENSED [WASHINGTON] PROFESSIONAL ENGINEER. NO FABRICATION SHALL COMMENCE UNTIL THE FINAL APPROVAL HAS BEEN ISSUED BY THE BUILDING OFFICIAL AND THE STRUCTURAL ENGINEER OF RECORD.

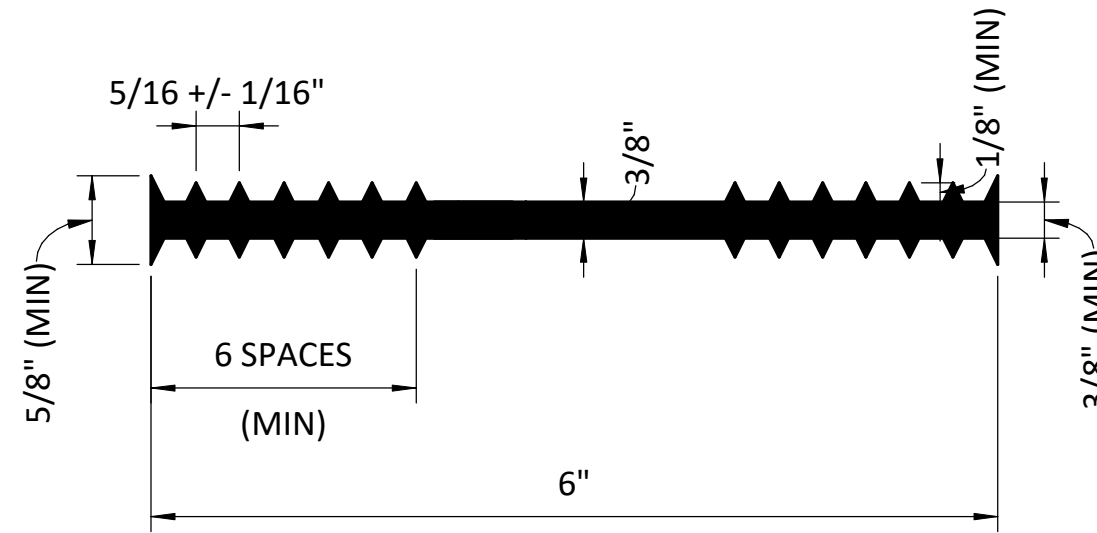
THE DEFERRED SUBMITTALS SHALL INCLUDE AS A MINIMUM, BUT NOT BE LIMITED TO, THE FOLLOWING ITEMS:

SPECIFICATION SECTION	ITEM
01 33 17	EQUIPMENT ANCHORAGE
05 52 00	HANDRAIL SYSTEM

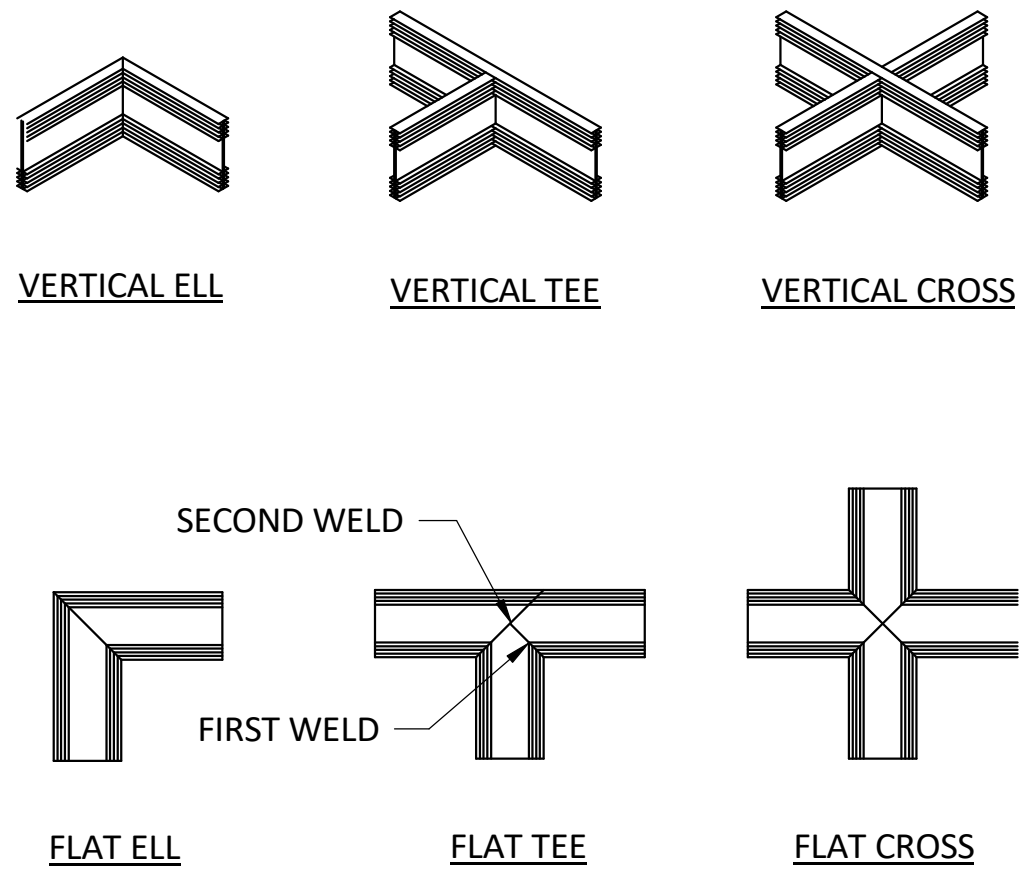
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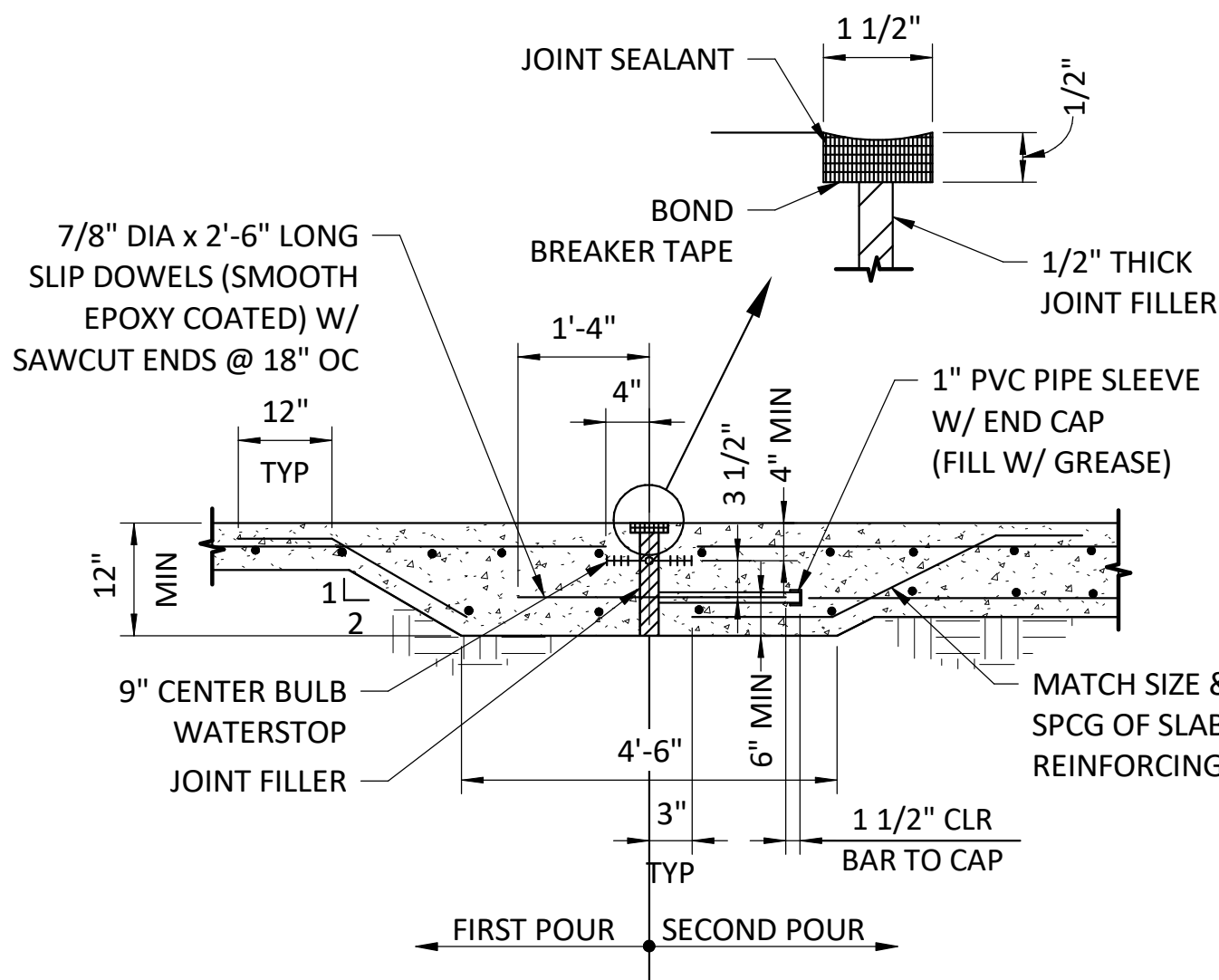
S-103 6" CENTERBULB WATERSTOP
SCALE: NTS



S-105 6" FLATSTRIP WATERSTOP
SCALE: NTS



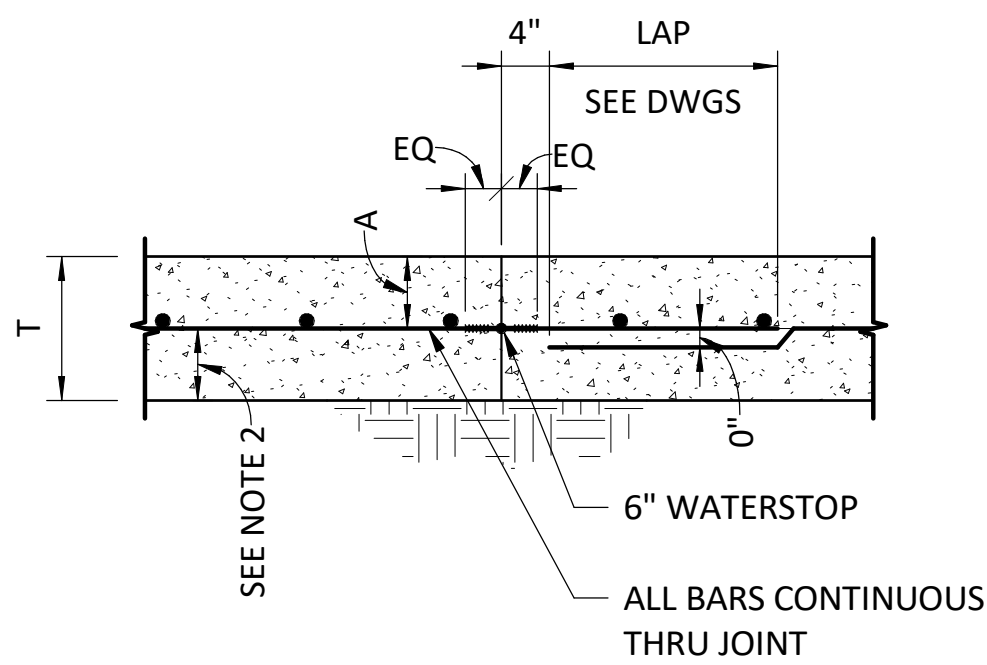
S108 PREFABRICATED WATERSTOP JOINTS
SCALE: NTS



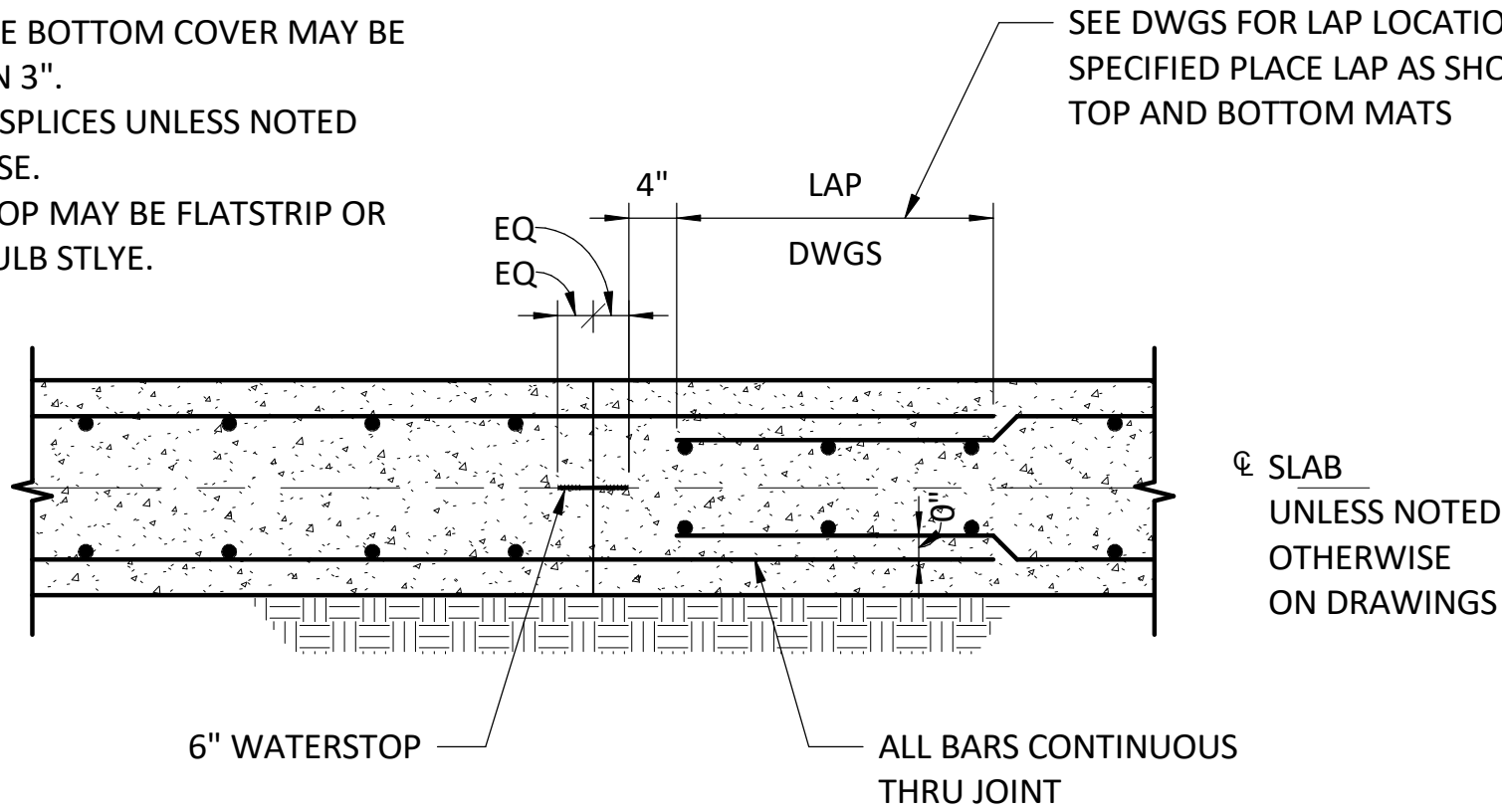
S109 SLAB-ON-GRADE EXPANSION JOINT
SCALE: NTS

NOTES:

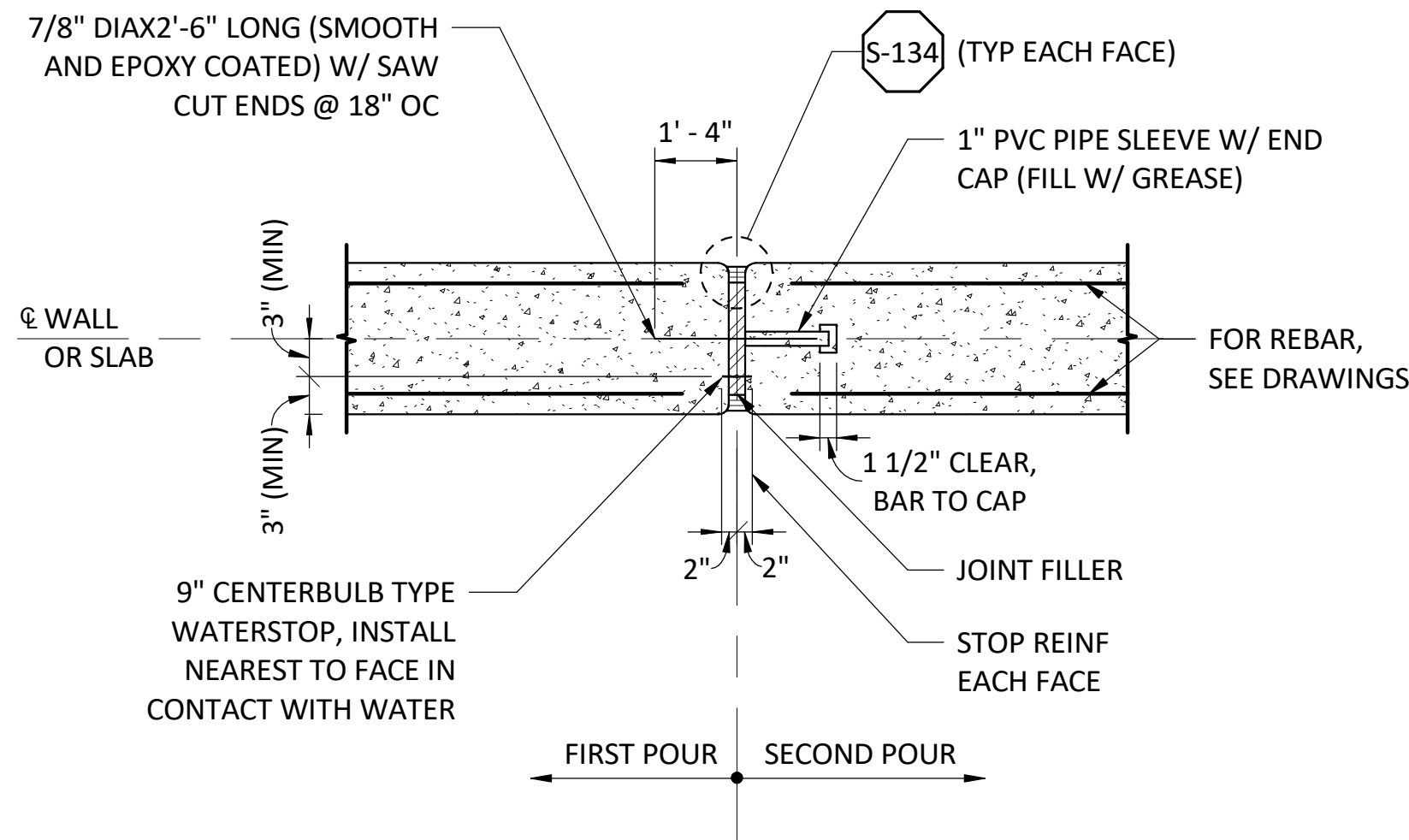
1. WATERSTOPS TO BE PROVIDE IN ALL WATER RETAINING SLABS, SEE DRAWINGS FOR OTHER LOCATIONS WHERE THEY MAY BE REQUIRED.
2. DIMENSIONS INDICATED ON DETAIL CONTROL MINIMUM COVER FOR THIN SLABS, THE BOTTOM COVER MAY BE LESS THAN 3".
3. STAGGER SPLICES UNLESS NOTED OTHERWISE.
4. WATERSTOP MAY BE FLATSTRIP OR CENTERBULB STLYE.



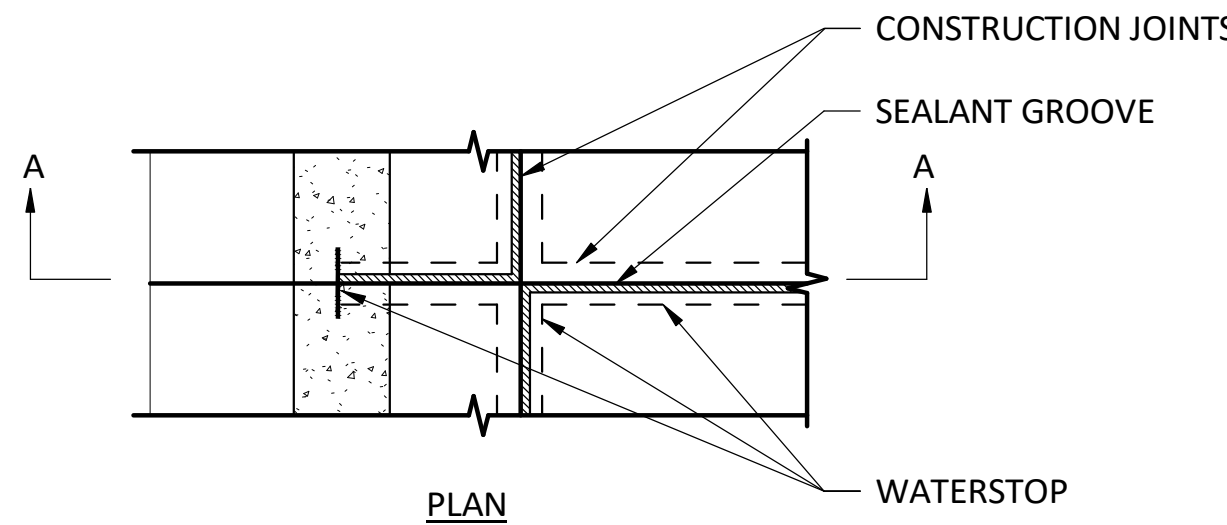
SINGLE MAT REINF - CONTINUOUS THRU JOINT



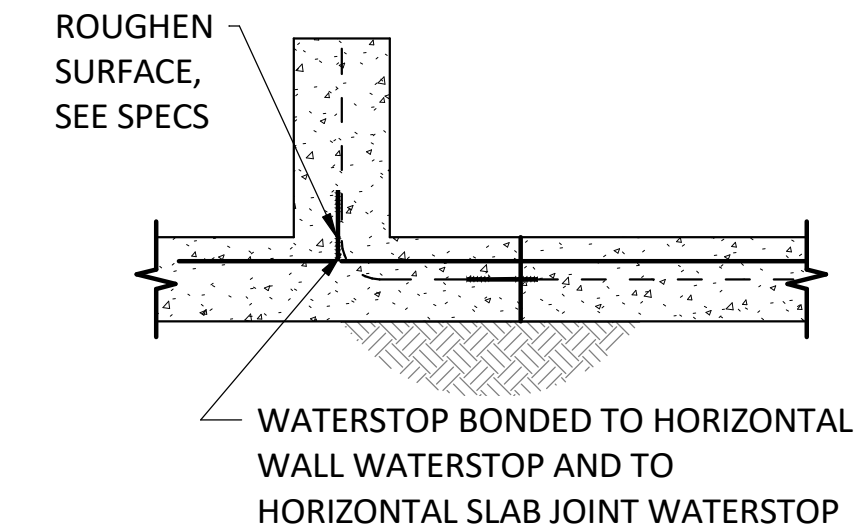
DOUBLE MAT REINF



S116 WALL EXPANSION JOINT
SCALE: NTS



PLAN



SECTION A-A

NOTES:

CONSTRUCTION JOINTS PASSING THROUGH VARIOUS MEMBERS OF A WATER RETAINING STRUCTURE SHALL BE SEALED WITH WATERSTOPS BONDED TOGETHER, SO AS TO PROVIDE A CONTINUOUS WATERTIGHT JOINT.

S-118 CONSTRUCTION JOINT (WALL TO SLAB)
SCALE: NTS

S112 WITH WATERSTOP
SCALE: NTS

S114 WITH WATERSTOP
SCALE: NTS

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

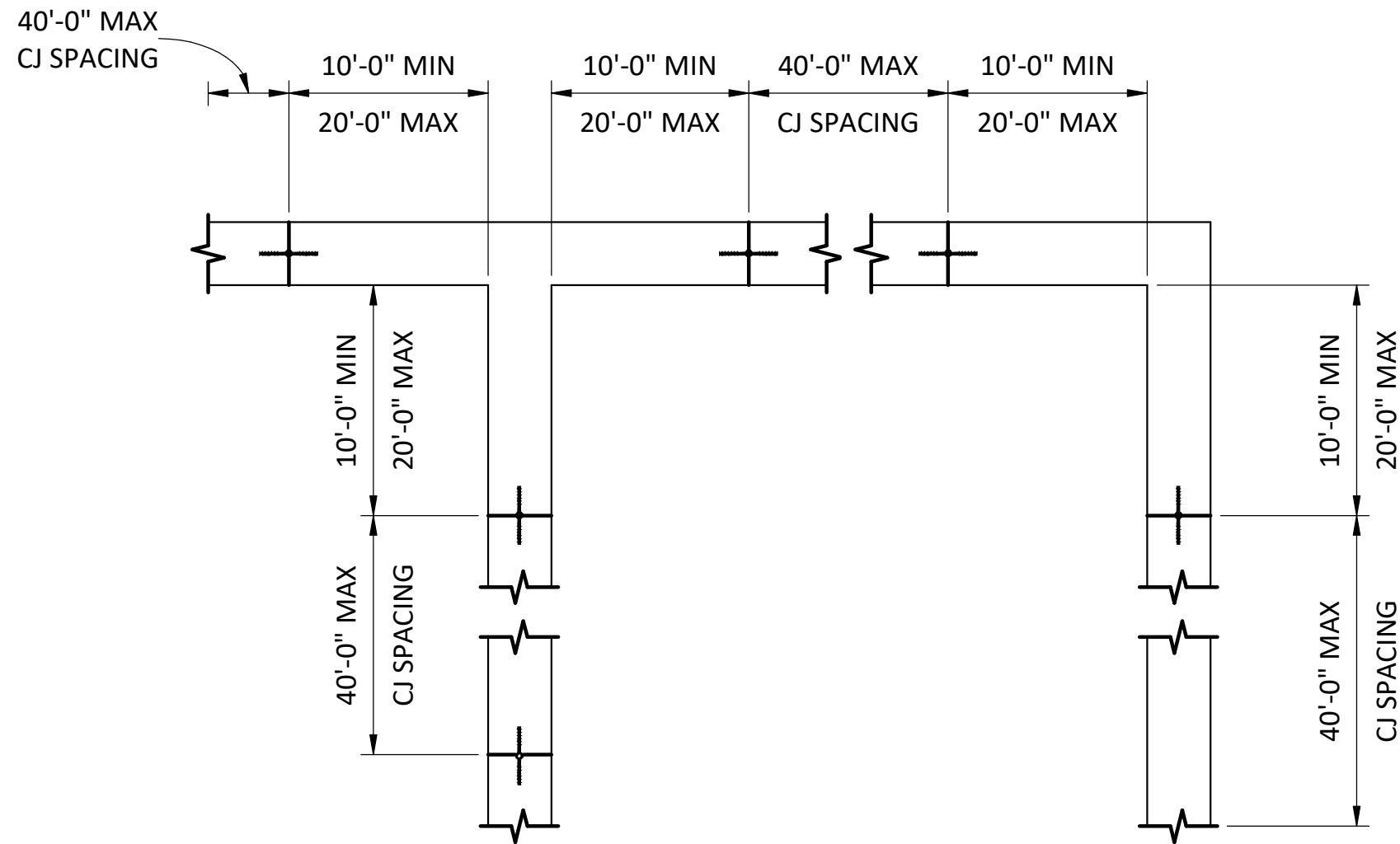
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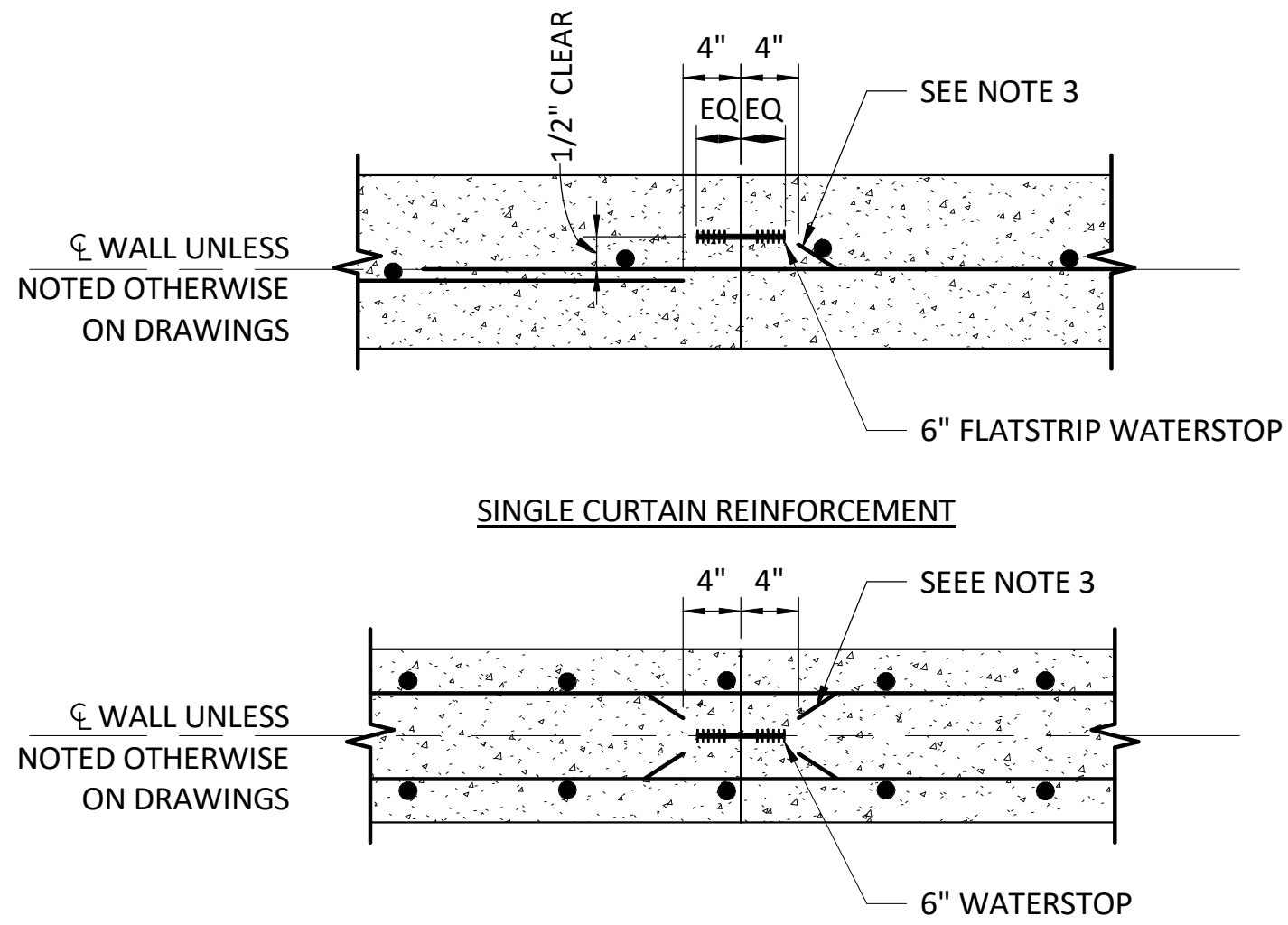
TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT
STRUCTURAL STANDARD DETAILS 1

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CHECKED	ST
ISSUED DATE	06/29/2026

DRAWING
GS-3

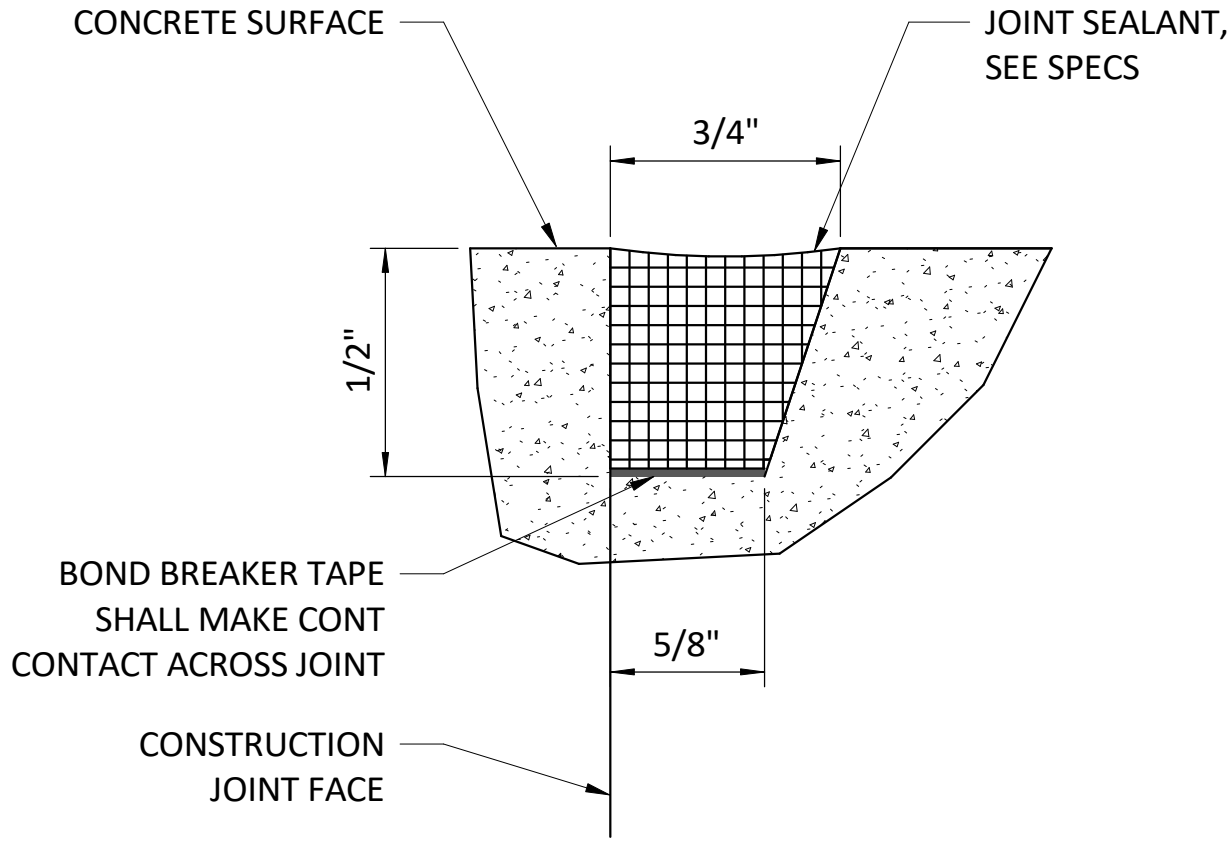


S119 WALL CONSTRUCTION JOINT SPACING
SCALE: NTS



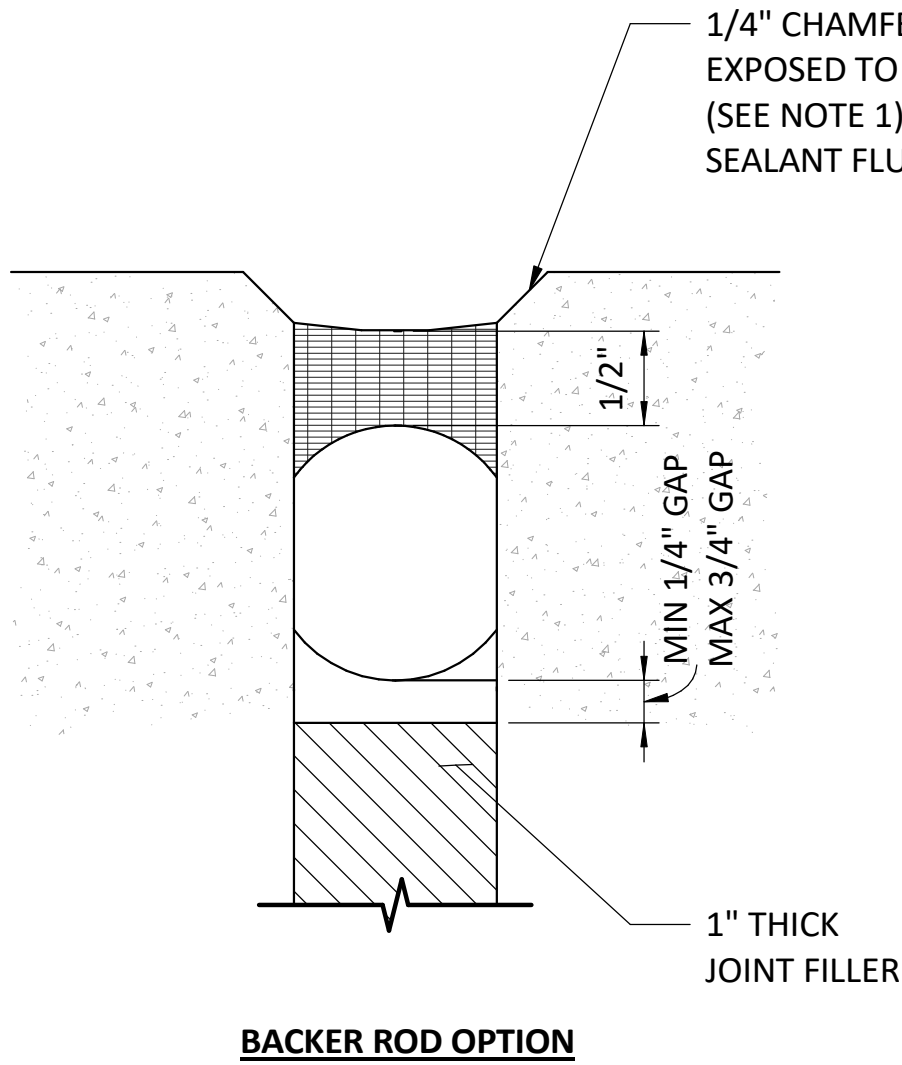
S123 VERTICAL WALL CONSTRUCTION JOINT
SCALE: NTS

- NOTES:
- WHERE WATERSTOP IS REQUIRED IN SINGLE CURTAIN WALL REINFORCEMENT, PLACE WATERSTOP ON WATER SIDE OF WALL.
 - UNLESS OTHERWISE NOTED 3/4" CHAMFERS SHALL BE OMITTED IN SURFACES TO RECEIVE ARCHITECHTURAL TREATMENT.
 - UNLESS SPECIFICALLY NOTED OTHERWISE #5 AND LARGER BARS SHALL BE CONTINUOUS THRU JOINT #4 AND SMALLER BARS SHALL STOP ALTERNATE BARS AT JOINT.
 - STAGGER SPLICES UNLESS NOTED OTHERWISE.
 - WATERSTOP MAY BE FLATSTRIP OR CENTERBULB STYLE.

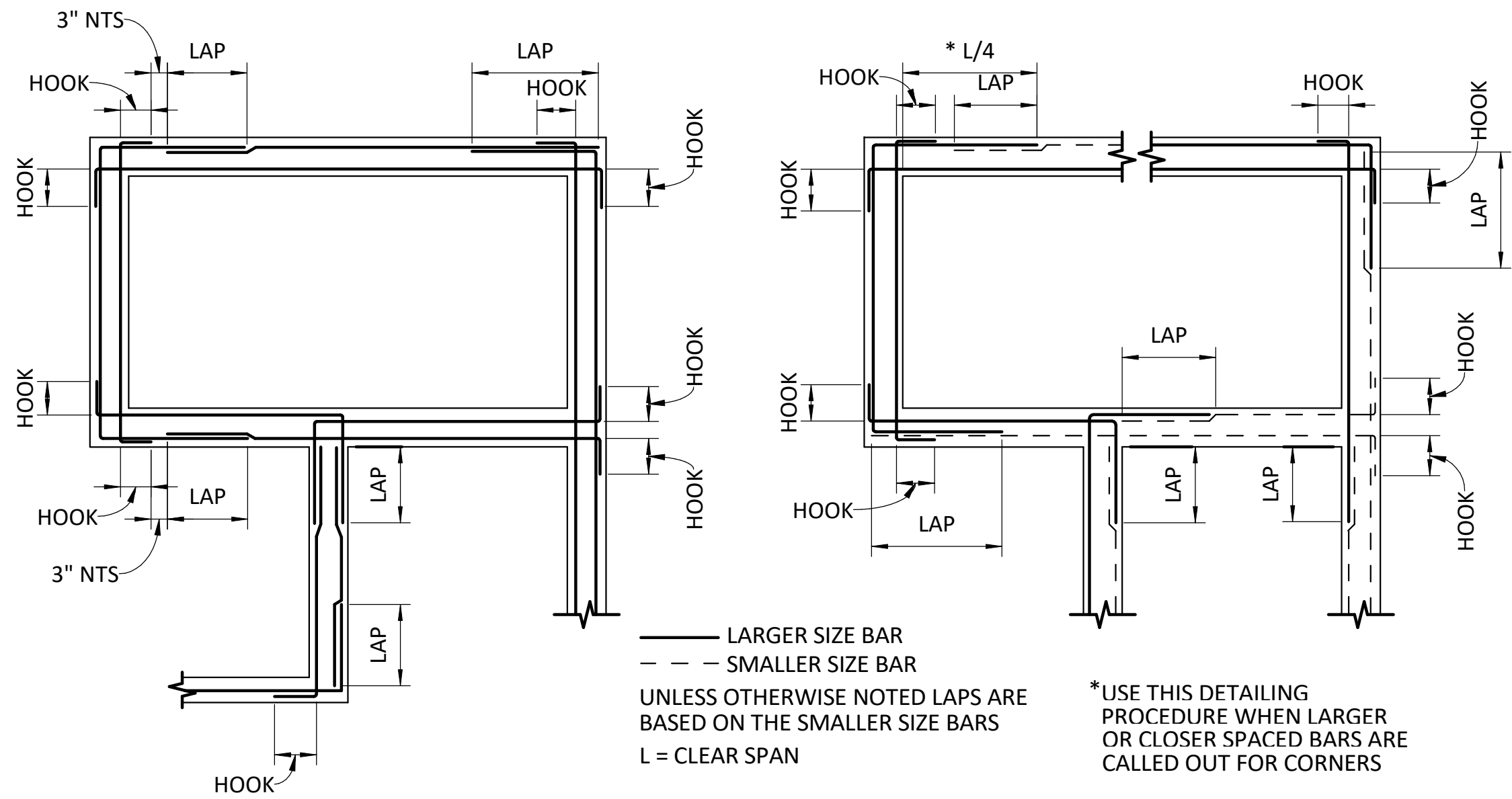
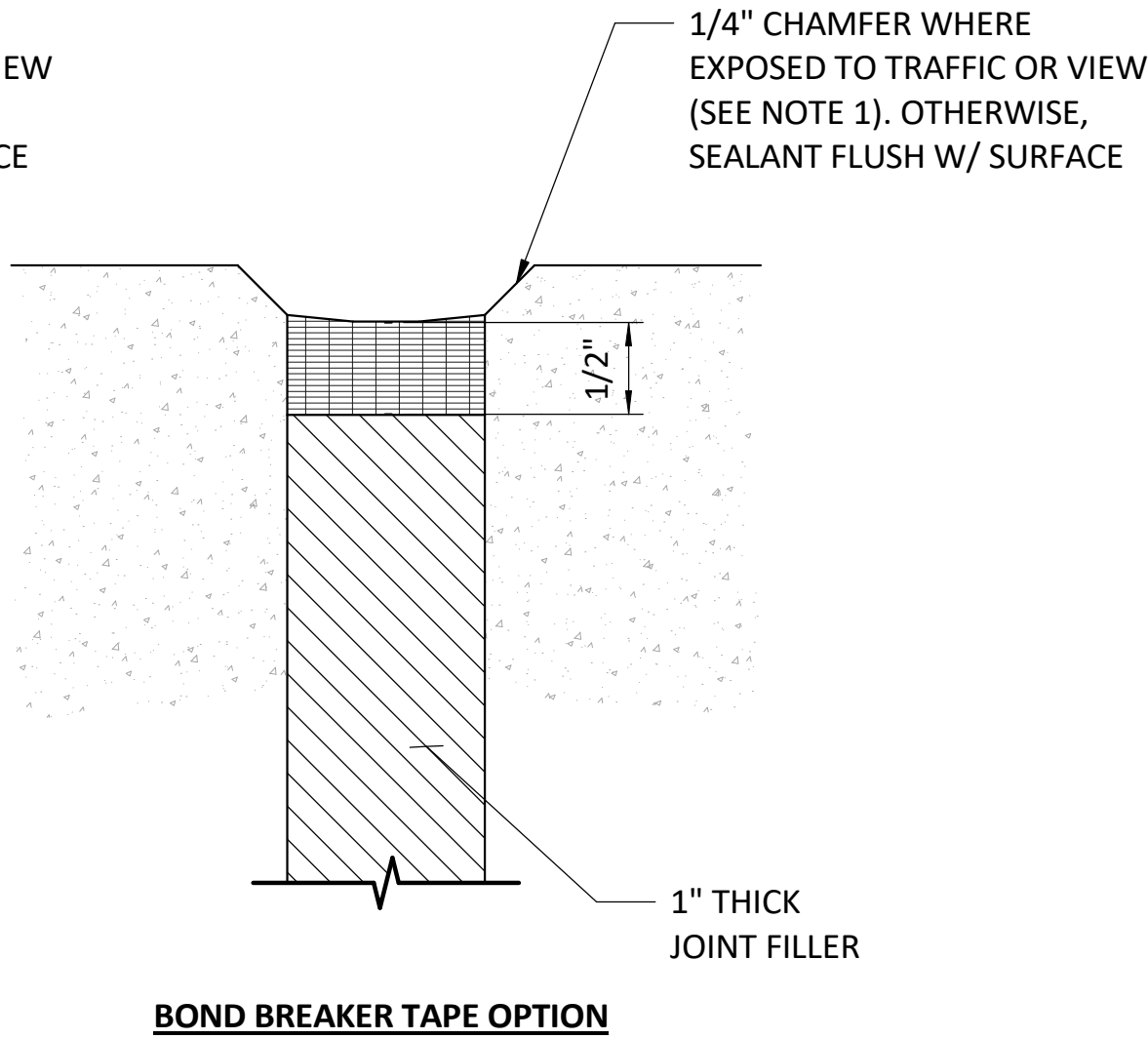


- NOTES:
- ALL FLOOR JOINTS OF HYDRAULIC STRUCTURES (MEMBERS COVERED WITH WATER) SHALL HAVE A SEALANT GROOVE.
 - SANDBLASTING REQUIRED PRIOR TO APPLICATION OF PRIMER.

S131 SEALANT GROOVE
SCALE: NTS



S134 SEALANT AT EXPANSION JOINT
SCALE: NTS



S141 HORIZONTAL REINFORCEMENT AT WALL INTERSECTIONS
SCALE: NTS

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PRELIMINARY
NOT FOR CONSTRUCTION

WARNING

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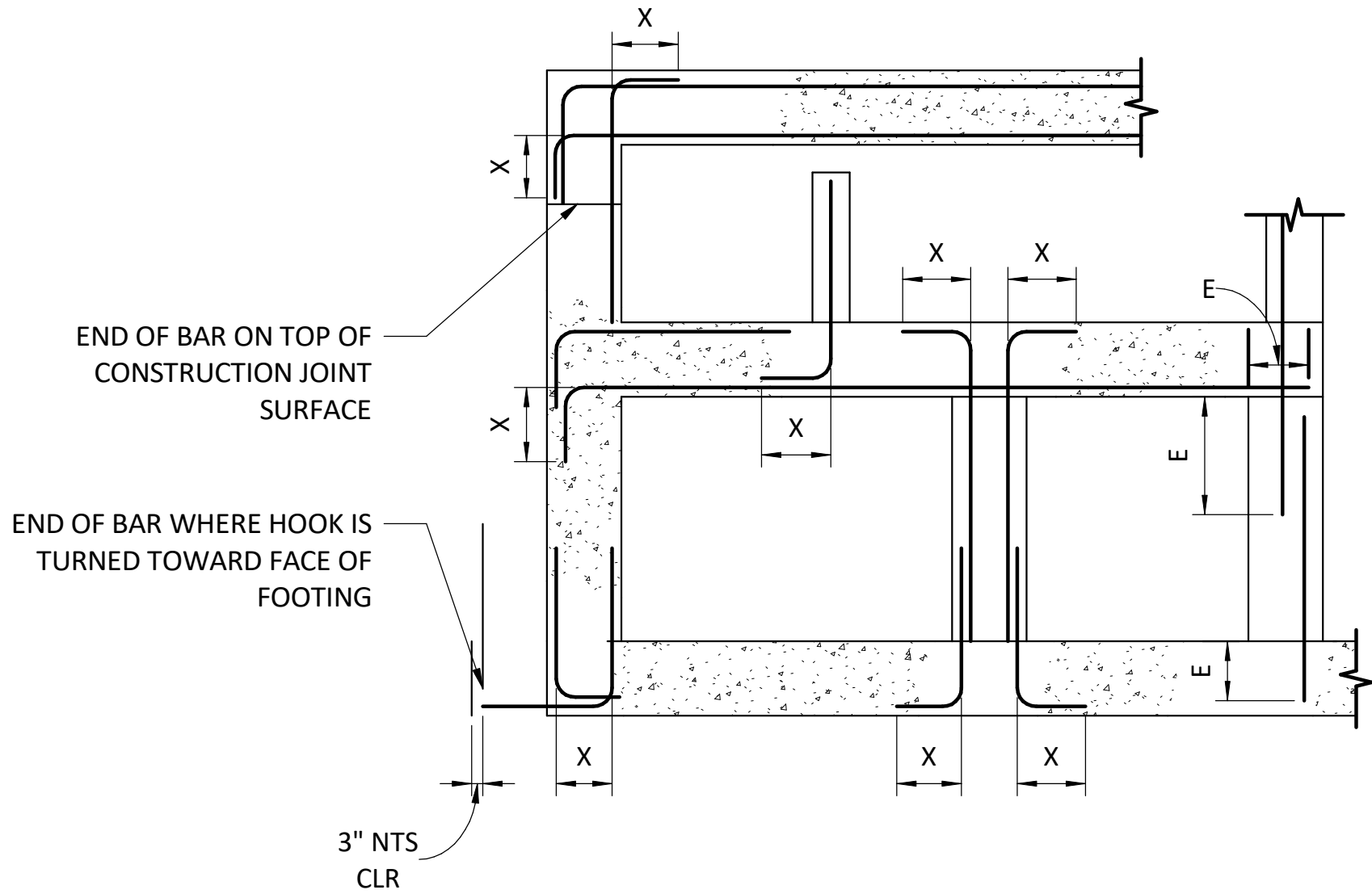
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TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT
STRUCTURAL STANDARD DETAILS 2

DESIGNED	AG
DRAWN	STN
CHECKED	ST
ISSUED DATE	06/29/2026

DRAWING
GS-4



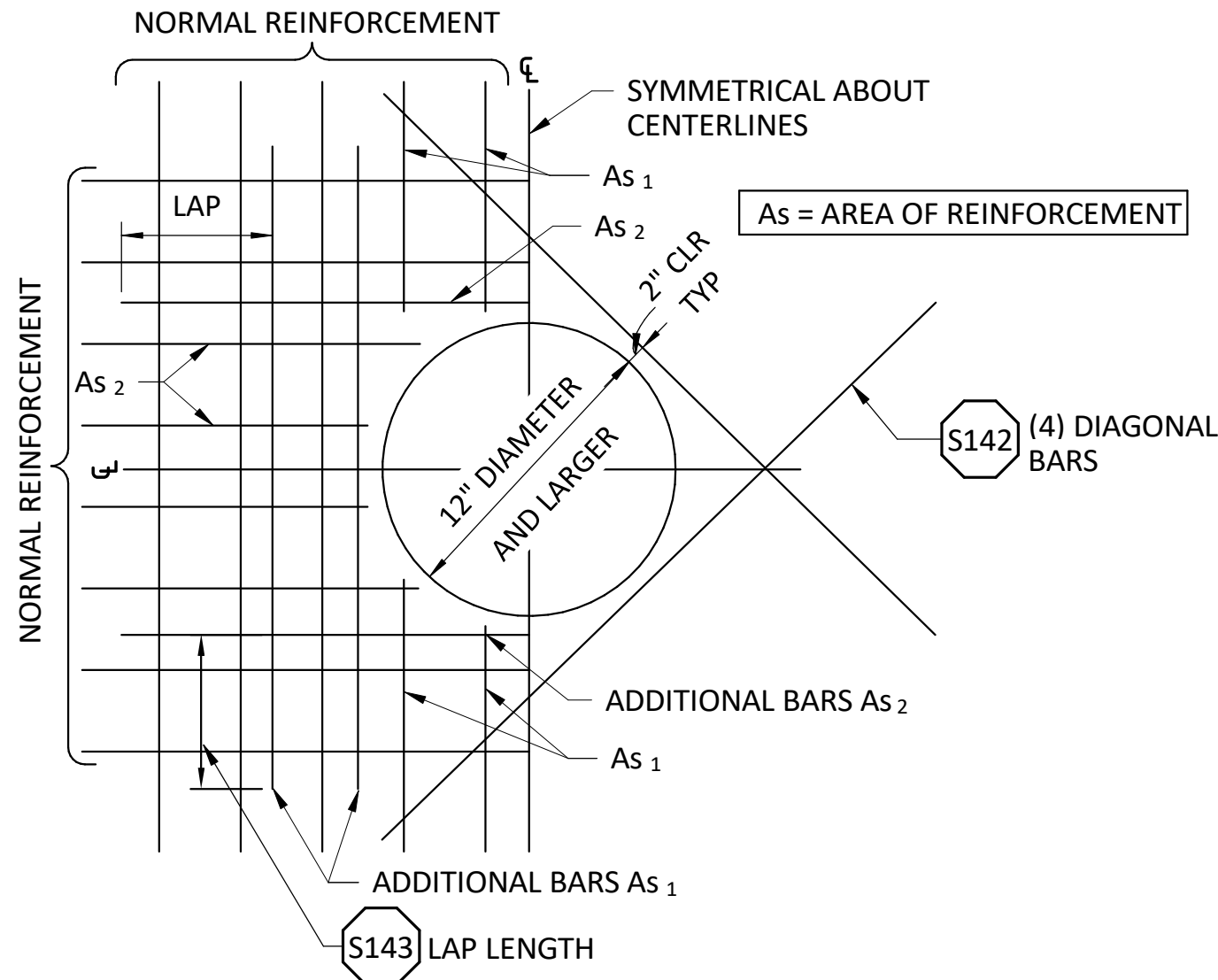
SECTION

LENGTH (*)			
BAR SIZE T	HOOK X	LAP	EMBEDMENT E
#3	6"	16" (21")	12" (16")
#4	8"	16" (21")	12" (16")
#5	10"	20" (26")	15" (20")
#6	12"	28" (37")	22" (28")
#7	14"	48" (62")	37" (48")
#11	16"	62" (81")	48" (62")
#8	19"	79" (102")	61" (79")
#9	22"	100" (130")	77" (100")
#10	24"	123" (160")	95" (123")

* USE LENGTH IN PARENTHESIS FOR WALL HORIZONTAL REBARS AND SLAB BARS WITH 12" OR MORE OF FRESH CONCRETE UNDERNEATH.

NOTES:

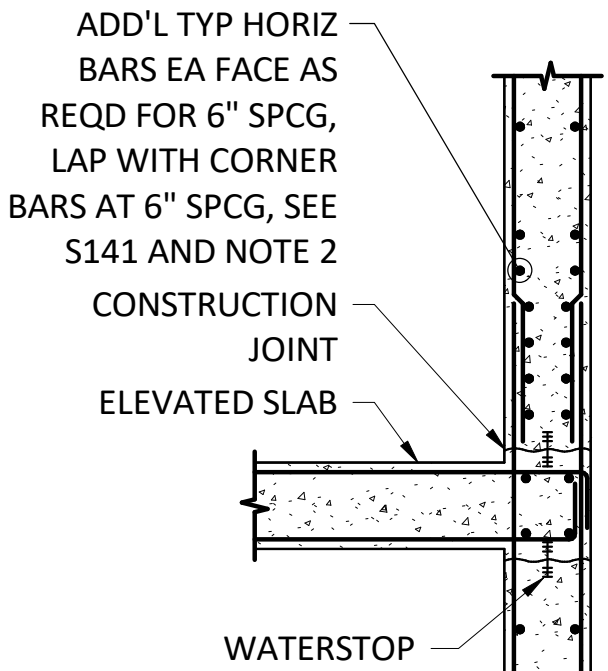
- USE LAP LENGTHS AS DETERMINED FROM THESE TABLES UNLESS SHOWN OTHERWISE.
- THE TABLES SHOWN ARE FOR $f'c=4000\text{psi}$, $f_y=60,000\text{psi}$, 1.5" MIN CONCRETE COVER AND 3" MIN BAR SPACING.
- MULTIPLY THE LAP AND E SHOWN IN THESE TABLES BY 1.5 FOR EPOXY COATED REINFORCING.
- WHEN BARS OF DIFFERENT SIZES ARE LAP SPICED, LAP LENGTH SHALL BE THE LARGER OF: EMBEDMENT LENGTH OF LARGER BAR LAP OR LENGTH OF SMALLER BAR.
- UNLESS NOTED OTHERWISE USE REBAR COUPLERS FOR SPLICES OF #11 AND LARGER BARS.
- ALL DOWEL BARS SHALL EXTEND AN EMBEDMENT LENGTH E INTO ANOTHER MEMBER OR ACROSS A CONSTRUCTION JOINT UNLESS SHOWN TO SPLICE WITH OTHER BARS OR TO EXTEND TO THE FAR FACE OF THE MEMBER AND END WITH A STANDARD HOOK.



NOTES:

- THIS DETAIL TO BE USED AT ALL CIRCULAR OPENINGS EXCEPT WHEN OTHER DETAILING IS INDICATED ON THE DRAWINGS.
- CUT NORMAL REINFORCEMENT 2" CLEAR OF OPENING.
- CUT NORMAL REINFORCEMENT AT OPENINGS:
A. AS_1 AND $AS_2 = 1/2$ AREA OF TOTAL CUT BARS TO BE ADDED ON EACH SIDE OF OPENING.
- DIAGONAL AND ADDITIONAL BARS AS_1 AND AS_2 TO BE PLACED.
A. AT CENTERLINE OF WALLS OR SLABS WHERE ONE LAYER OF REINFORCEMENT IS PROVIDED.
B. AT EACH FACE OF WALLS OR SLABS WHERE TWO LAYERS OF REINFORCEMENT ARE PROVIDED.
- UNLESS OTHERWISE NOTED, SIZE OF DIAGONAL BARS SHALL BE THE SIZE OF THE LARGEST NORMAL REINFORCING BAR CUT.
- INCREASE SIZE OF ADDITIONAL BARS AS NEEDED TO FIT WITHIN A DISTANCE OF 2X WALL/SLAB THICKNESS FROM OPENING, PROVIDE 2" MIN CLEAR BETWEEN BARS.
- WHERE A SLAB OR INTERSECTING WALL CONNECTS WITHIN ONE WALL THICKNESS OF THE OPENING, ADDITIONAL BARS ON THAT SIDE OF THE OPENING MAY BE OMITTED.
- WHEN THE LAP LENGTH OF THE ADDITIONAL BARS CANNOT BE ACHIEVED DUE TO AN ADJACENT WALL OR SLAB, ADDITIONAL CORNER BARS OR SLAB DOWELS, RESPECTIVELY, MATCHING THE CUT BARS, ARE TO BE INCLUDED IN THE ADJACENT WALL OR SLAB TO LAP WITH THE ADDITIONAL BARS.

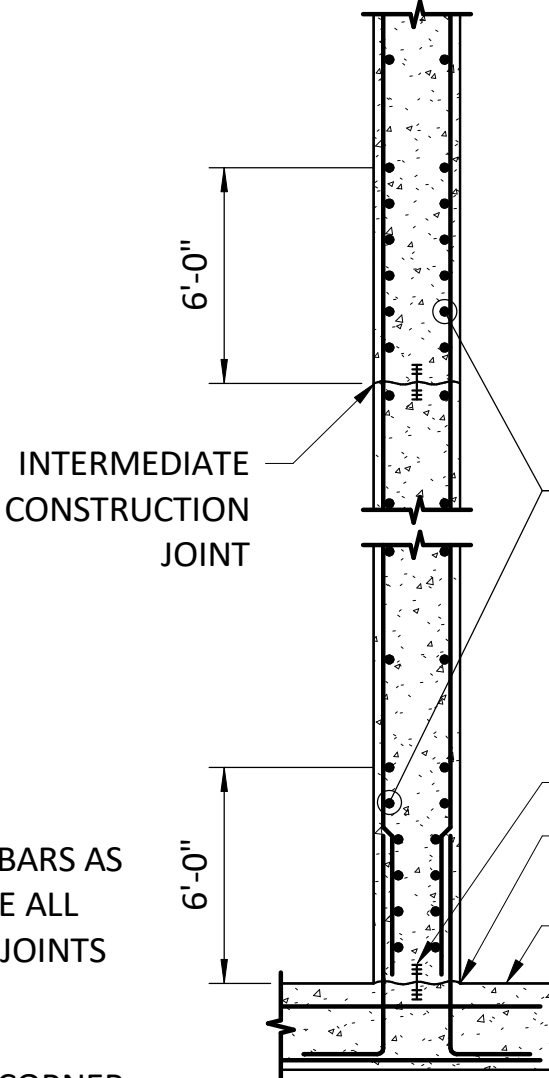
S144
SCALE: NTS
ADDITIONAL REINFORCEMENT AT CIRCULAR OPENINGS



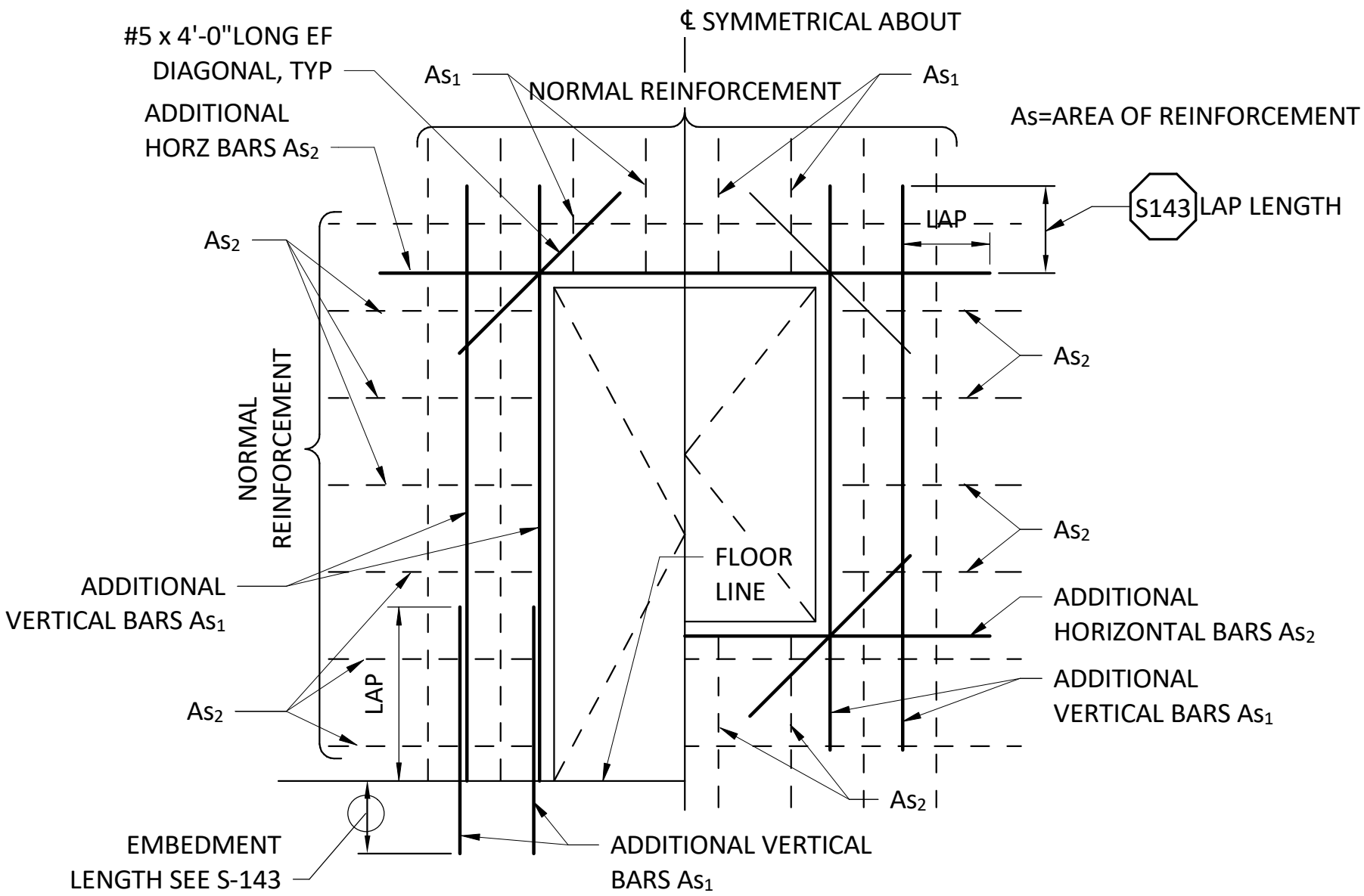
WALL SECTION

NOTES:

- PROVIDE ADDITIONAL HORIZONTAL BARS AS SHOWN IN THE FIRST SIX FEET ABOVE ALL HORIZONTAL WALL CONSTRUCTION JOINTS IN HYDRAULIC AND BELOW-GRADE STRUCTURES.
- PROVIDE ADDITIONAL HORIZONTAL CORNER BARS EACH FACE AS REQUIRED FOR 6" SPACING TO LAP WITH ADDITIONAL TYPICAL HORIZONTAL BARS SHOWN.



WALL SECTION



ELEVATION

NOTES:

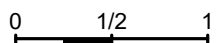
- CUT NORMAL REINFORCEMENT AT OPENINGS:
A. AS_1 AND $AS_2 = 1/2$ AREA OF TOTAL CUT BARS TO BE ADDED ON EACH SIDE OF OPENING.
- DIAGONAL AND ADDITIONAL BARS AS_1 AND AS_2 TO BE PLACED.
A. AT CENTERLINE OF WALLS OR SLABS WHERE ONE LAYER OF REINFORCEMENT IS PROVIDED.
B. AT EACH FACE OF WALLS OR SLABS WHERE TWO LAYERS OF REINFORCEMENT ARE PROVIDED.
- UNLESS OTHERWISE NOTED, SIZE OF DIAGONAL BARS SHALL BE THE SIZE OF THE LARGEST NORMAL REINFORCING BAR CUT.
- INCREASE SIZE OF ADDITIONAL BARS AS NEEDED TO FIT WITHIN A DISTANCE OF 2X WALL/SLAB THICKNESS FROM OPENING, PROVIDE 2" MIN CLEAR BETWEEN BARS.
- WHERE A SLAB OR INTERSECTING WALL CONNECTS WITHIN ONE WALL THICKNESS OF THE OPENING, ADDITIONAL BARS ON THAT SIDE OF THE OPENING MAY BE OMITTED.
- WHEN THE LAP LENGTH OF THE ADDITIONAL BARS CANNOT BE ACHIEVED DUE TO AN ADJACENT WALL OR SLAB, ADDITIONAL CORNER BARS OR SLAB DOWELS, RESPECTIVELY, MATCHING THE CUT BARS, ARE TO BE INCLUDED IN THE ADJACENT WALL OR SLAB TO LAP WITH THE ADDITIONAL BARS.

S148
SCALE: NTS
ADDITIONAL REINFORCEMENT AROUND RECTANGULAR OPENINGS

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING



IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.



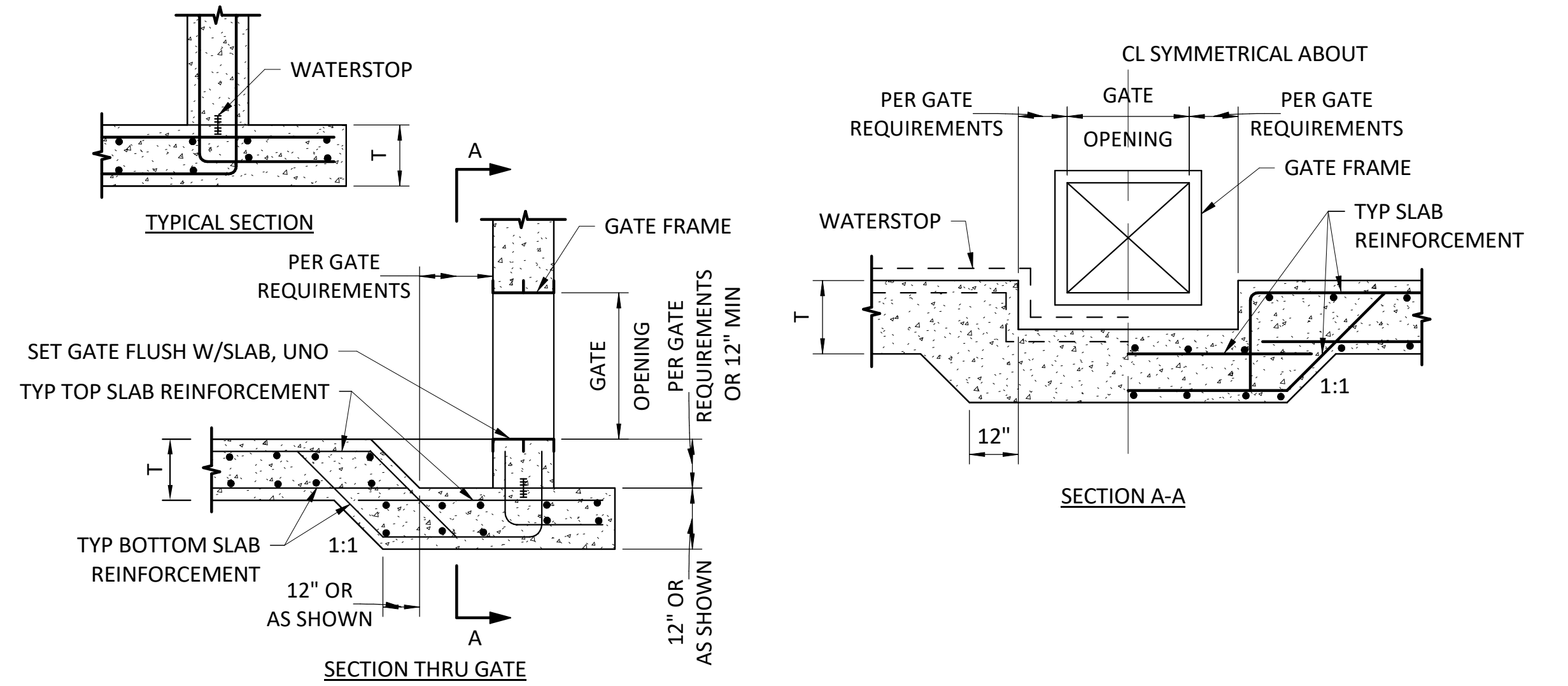
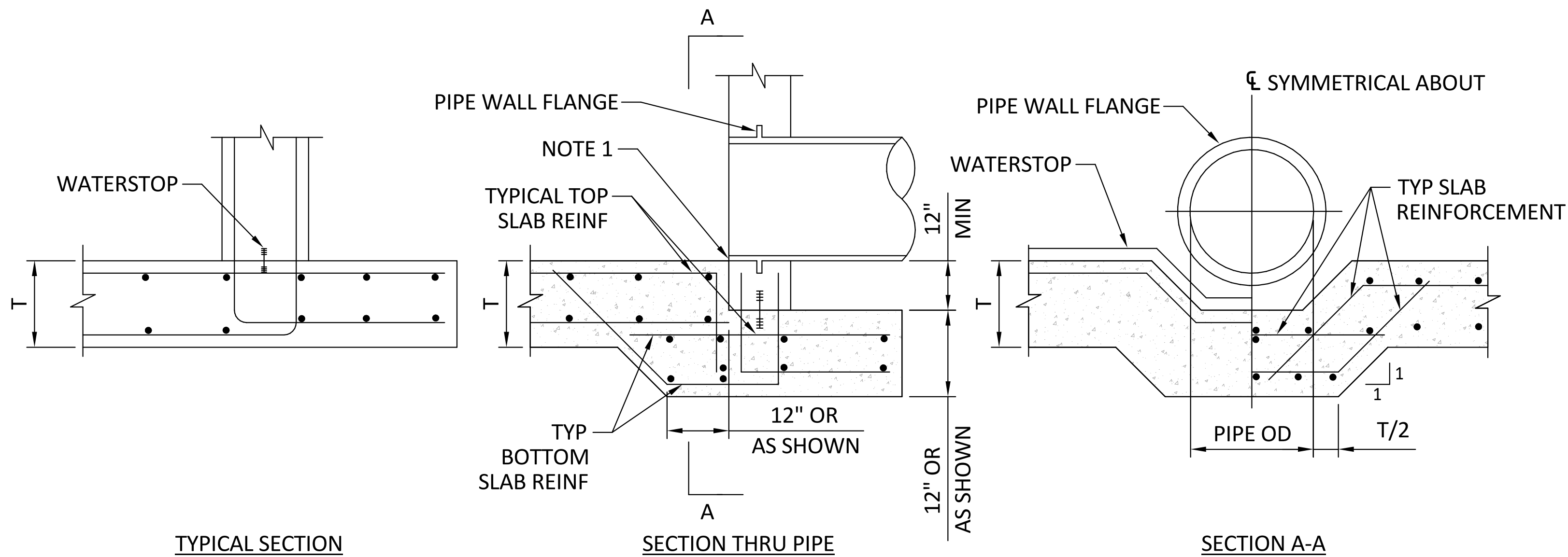
TULALIP TRIBES	
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	

STRUCTURAL STANDARD DETAILS 3

DESIGNED	AG
DRAWN	STN
CHECKED	ST

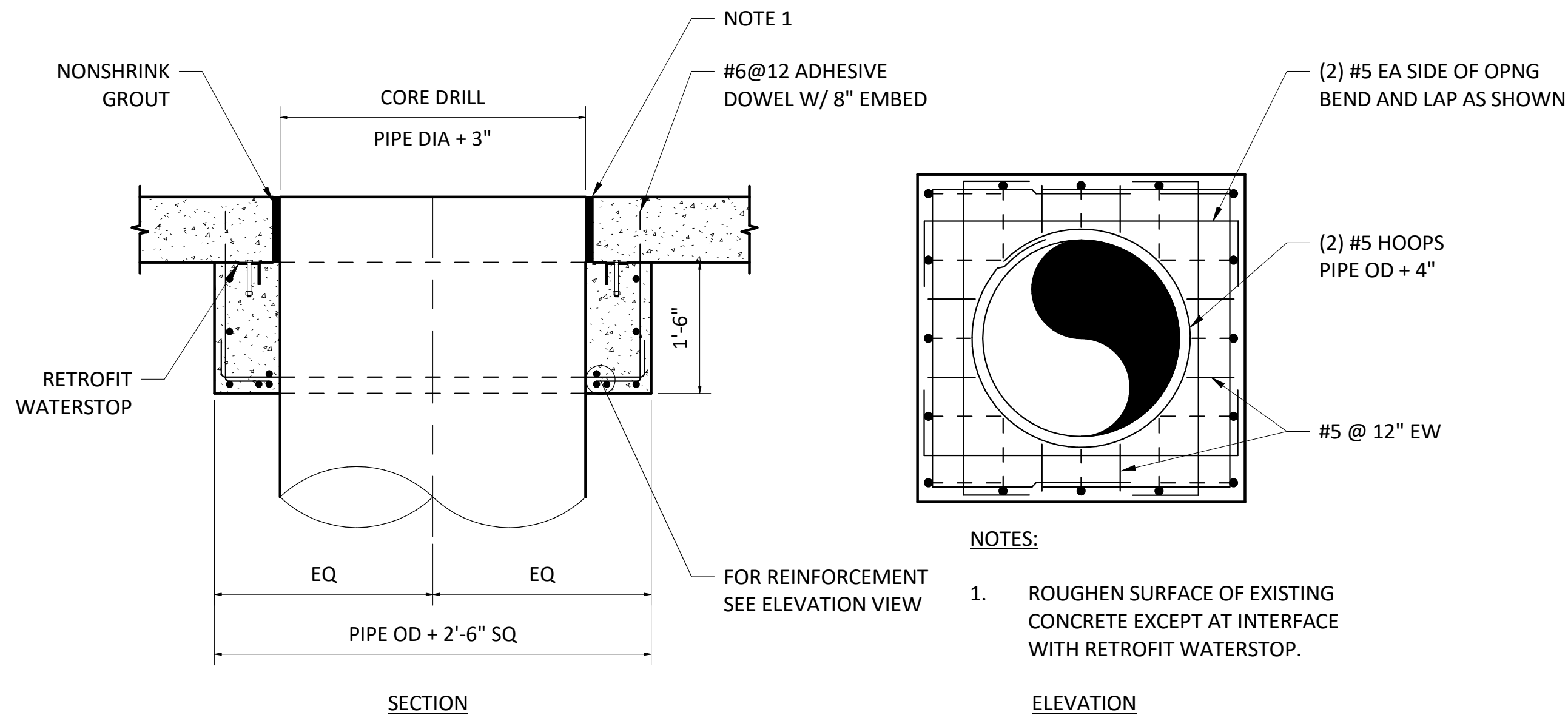
GS-5

ISSUED DATE: 06/29/2026
Exhibit F.2 Page 43 of 161

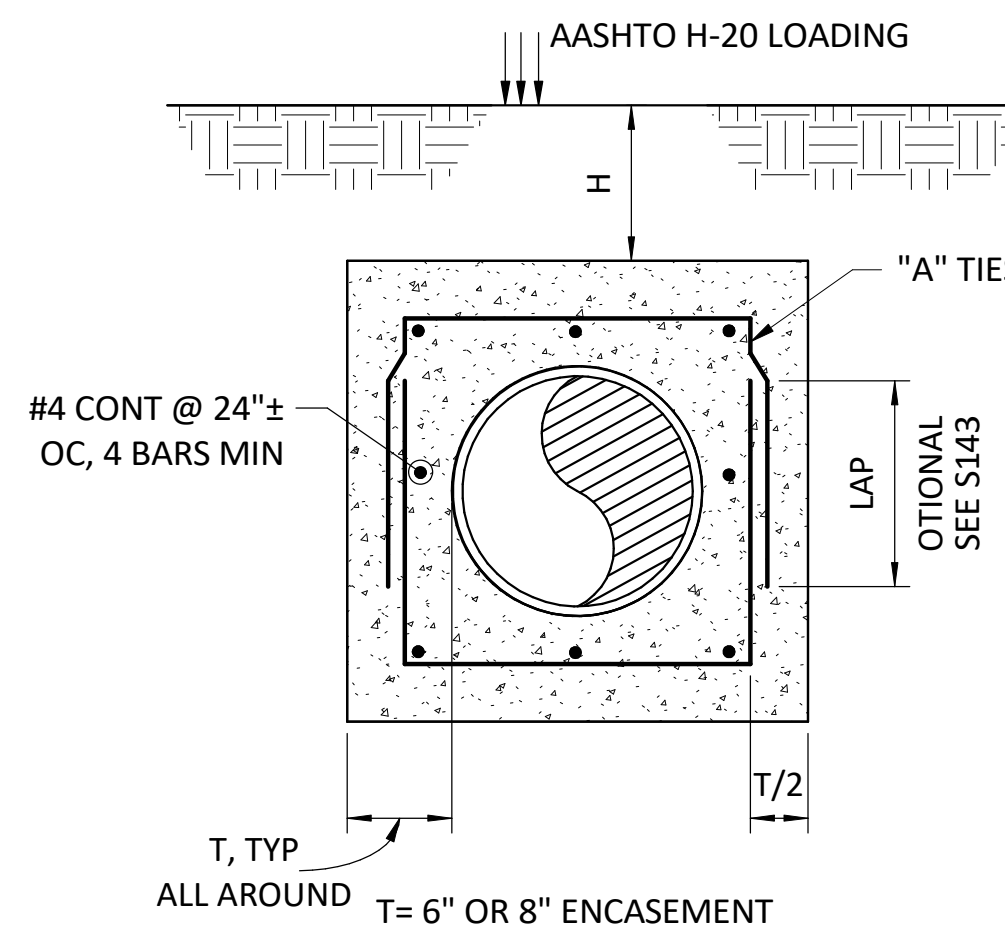


S151 FLOOR SLAB POCKET FOR SLUICE GATE INSTALLATION
SCALE: NTS

S150 FOOTING AT WALL PIPE CONNECTION
SCALE: NTS

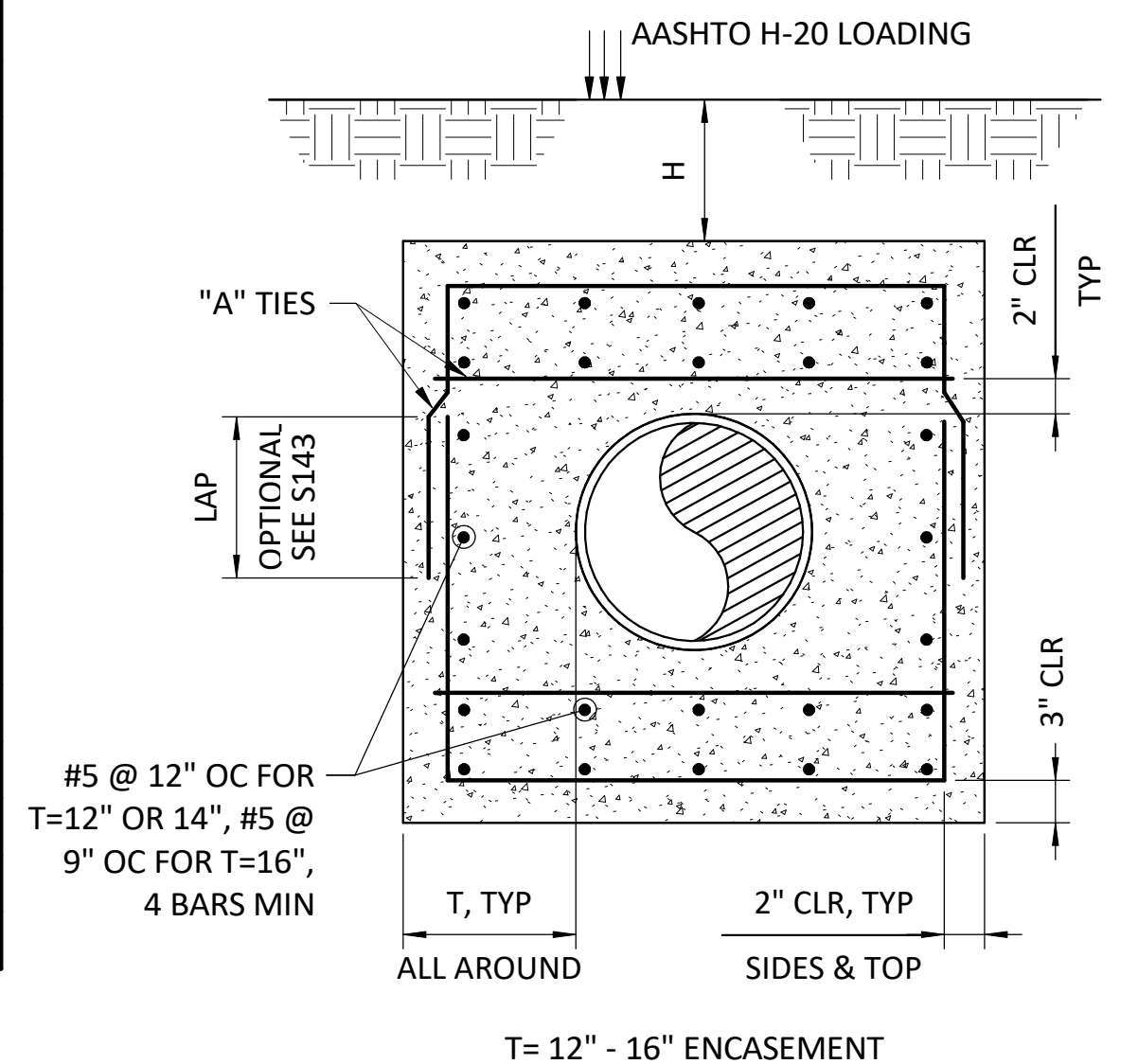


S154 RETROFIT PIPE COLLAR
SCALE: NTS



COVER H	PIPE OUTSIDE DIAMETER									
	8"-24"		30"-32"		36"		42"-54"		60"-72"	
	A	T	A	T	A	T	A	T	A	T
2' MIN	#4@12"	6"	#4@12"	6"	#4@9"	6"	#5@12"	8"	#4@9"	12"
3'	#4@12"	6"	#4@12"	6"	#4@12"	6"	#4@9"	8"	#5@12"	8"
4'	#4@12"	6"	#4@12"	6"	#4@12"	6"	#4@12"	8"	#5@10"	8"
5'	#4@12"	6"	#4@12"	6"	#4@12"	6"	#4@12"	8"	#5@10"	8"
6'	#4@12"	6"	#4@12"	6"	#4@12"	6"	#4@9"	8"	#5@10"	8"
7'	#4@12"	6"	#4@12"	6"	#4@12"	6"	#4@9"	8"	#6@12"	8"
8'	#4@12"	6"	#4@12"	6"	#4@9"	6"	#5@12"	8"	#6@10"	8"
9'	#4@12"	6"	#4@9"	6"	#4@9"	6"	#5@10"	8"	#4@9"	12"
10'	#4@12"	6"	#4@12"	8"	#4@9"	8"	#5@10"	8"	#5@12"	12"
12'	#4@12"	8"	#4@12"	12"	#4@12"	12"	#4@9"	12"	#5@10"	12"
14'	#4@12"	12"	#4@12"	12"	#4@12"	12"	#4@9"	12"	#6@12"	12"
16'	#4@12"	12"	#4@12"	12"	#4@12"	12"	#5@12"	12"	#6@10"	12"
18'	#4@12"	12"	#4@12"	12"	#4@9"	12"	#5@10"	12"	#6@10"	14"
20'	#4@12"	12"	#4@9"	12"	#4@9"	12"	#6@12"	14"	#6@10"	16"

- NOTES:
- WHERE ENCASEMENT PASSES UNDER SPREAD FOOTING OR MAT FOUNDATION, USE H=20', UNO.
 - ALL ENCASEMENTS UNDER STRUCTURES SHALL BE SEPARATED FROM THE STRUCTURE FOUNDATIONS BY BACKFILL OR 2 LAYERS OF 40# FELT, UNO.
 - WHEN ENCASEMENTS TERMINATE AT STRUCTURE, ENCASEMENT REINF SHALL BE DOWELED INTO THE STRUCTURE.



S171 PIPE ENCASEMENT
SCALE: NTS

REV	DATE	BY	DESCRIPTION
A	06/29/26	RM	PRE-FINAL DESIGN

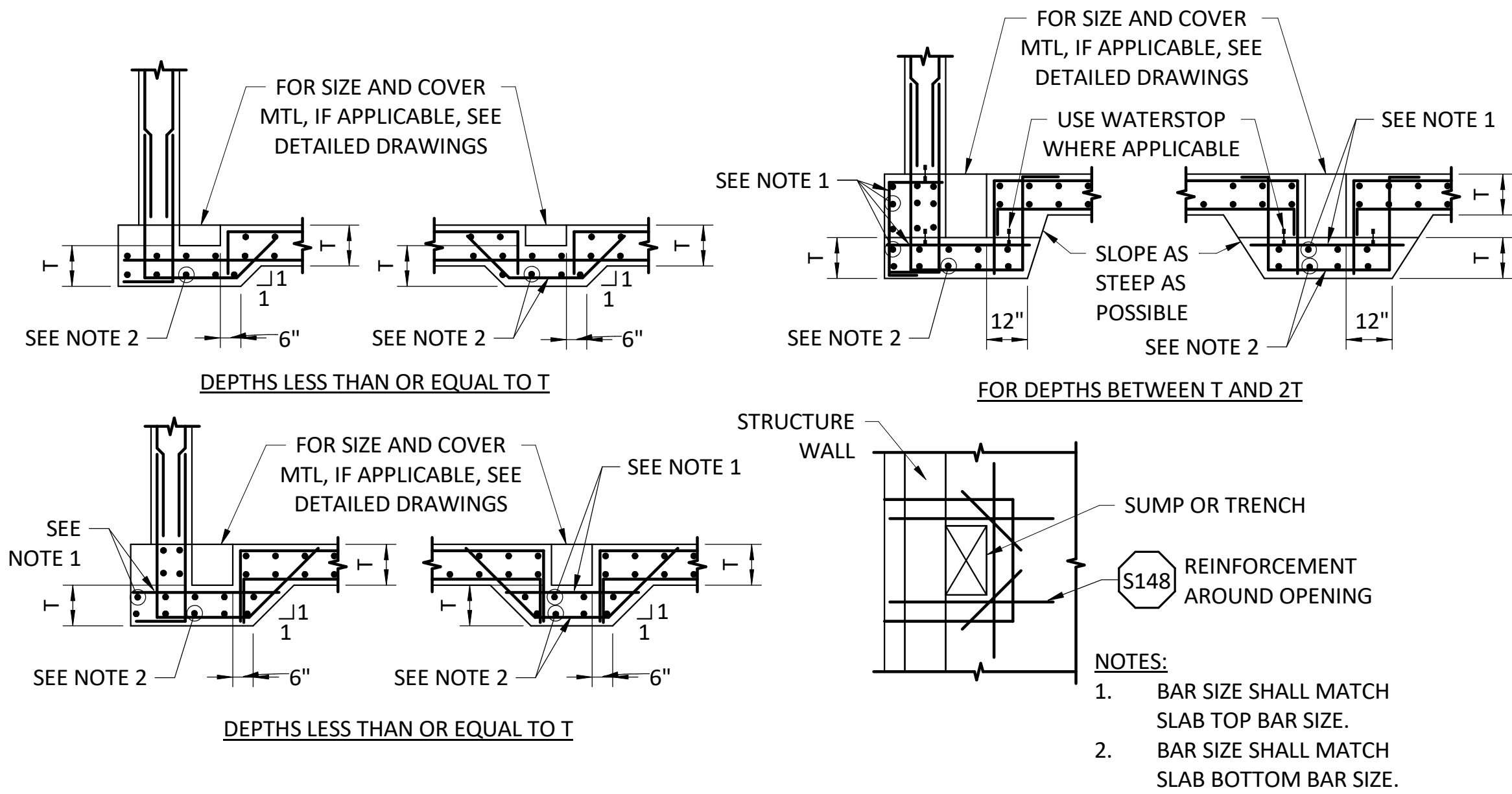
PRELIMINARY
NOT FOR CONSTRUCTION

WARNING
0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.

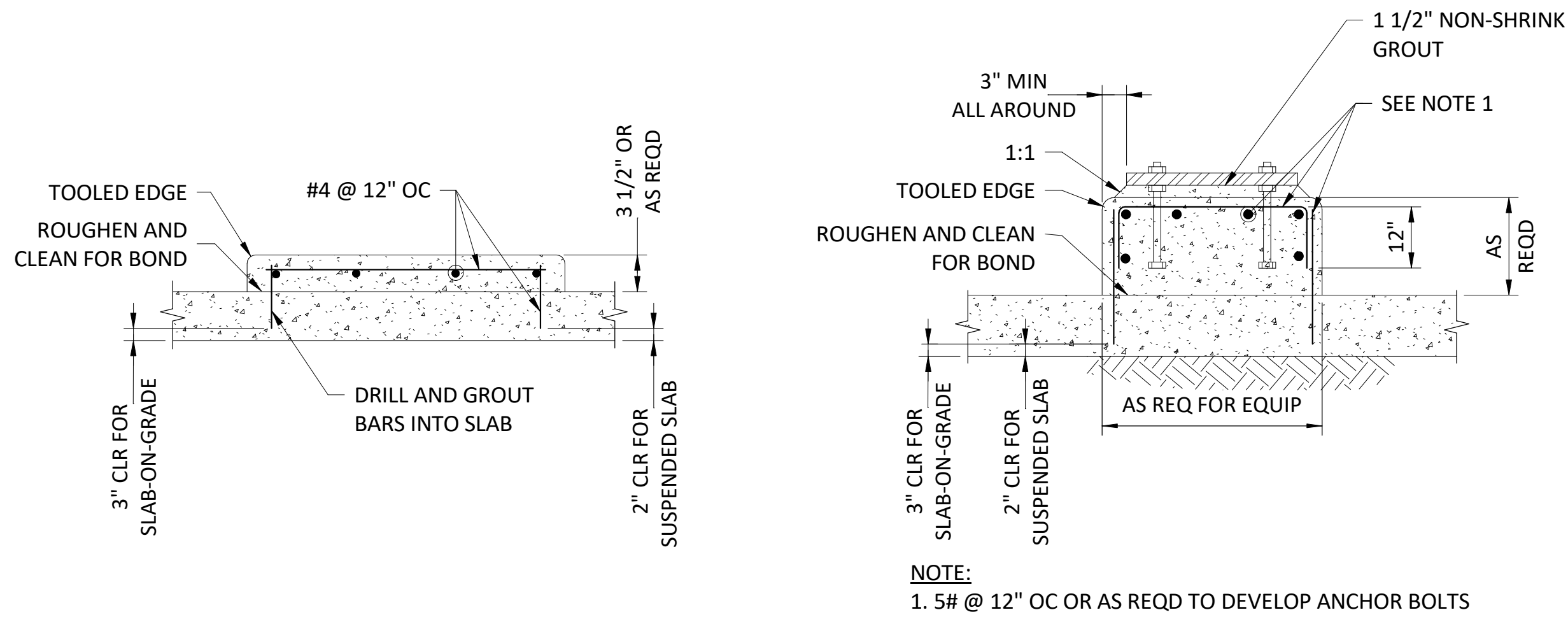
McMillen
1471 Shoreline Dr. Ste 100, Boise, ID 83702 | (208) 342-4214 | mcmlillen.com

TULALIP TRIBES	
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	
STRUCTURAL STANDARD DETAILS 4	

DESIGNED	AG	DRAWING GS-6
DRAWN	STN	
CHECKED	ST	
ISSUED DATE	06/29/2026	

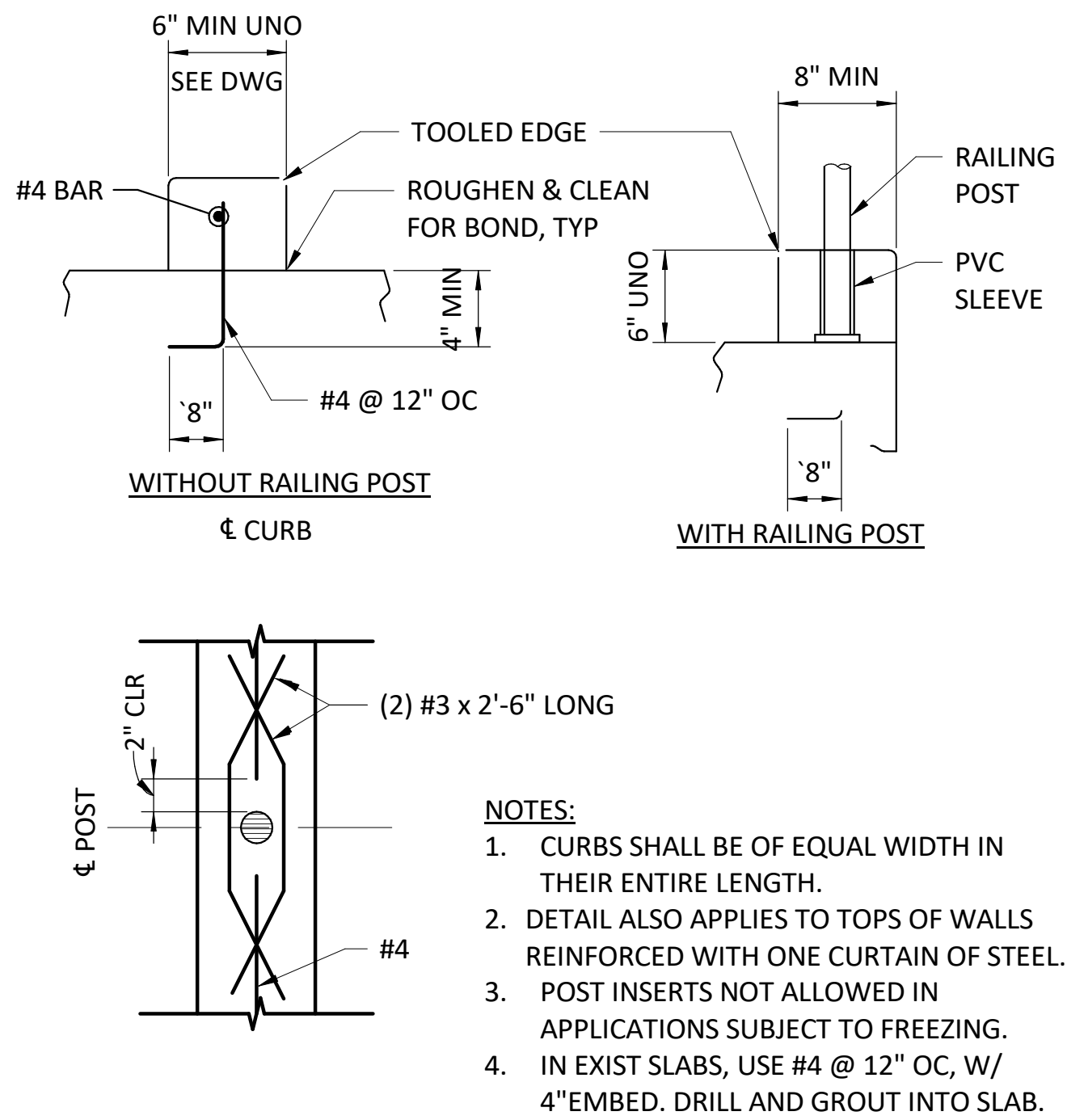


S177 REINFORCING AT SUMPS AND TRENCHES
SCALE: NTS

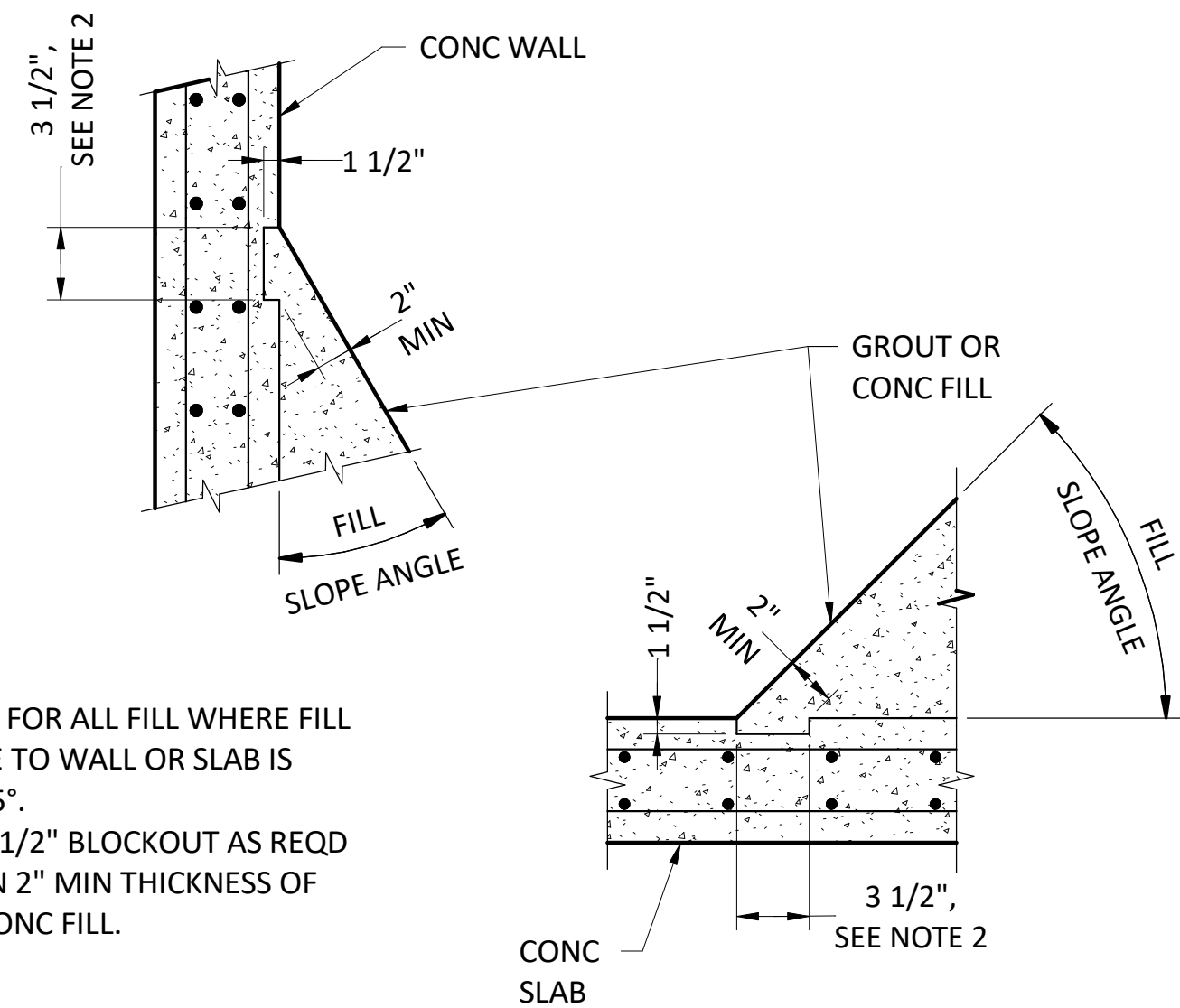


S191 HOUSEKEEPING PAD
SCALE: NTS

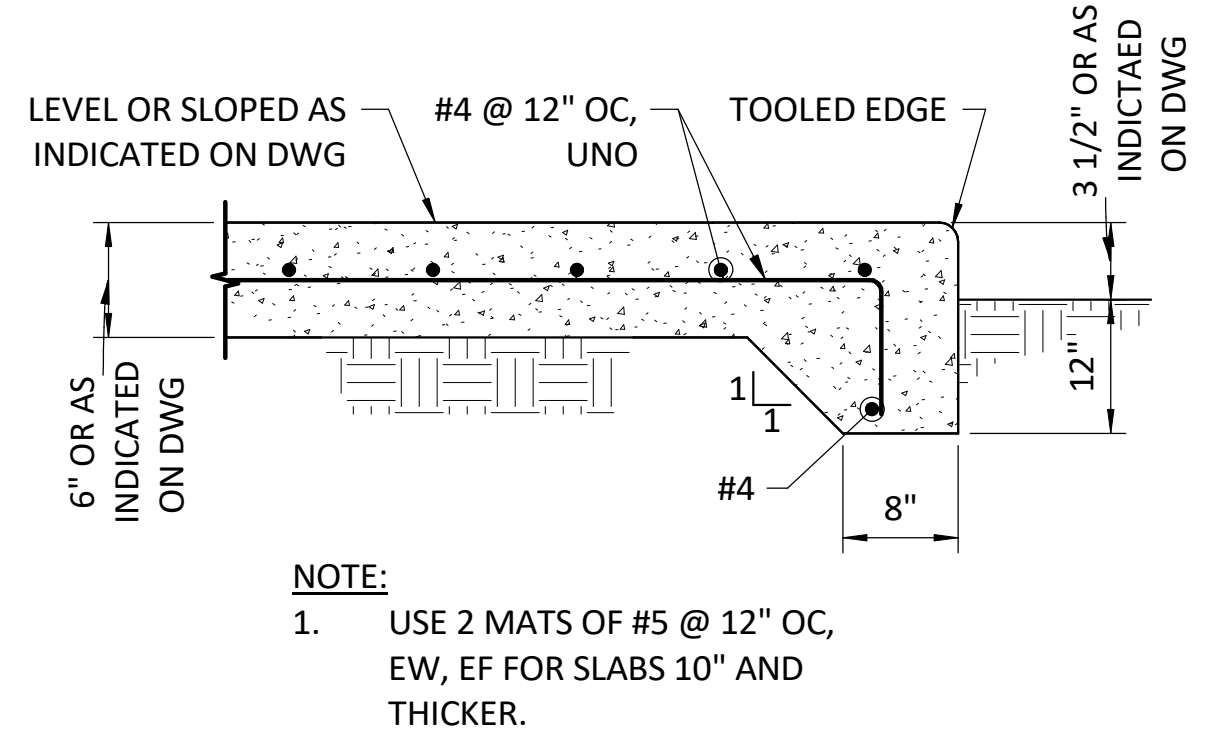
S192 EQUIPMENT BASE
SCALE: NTS



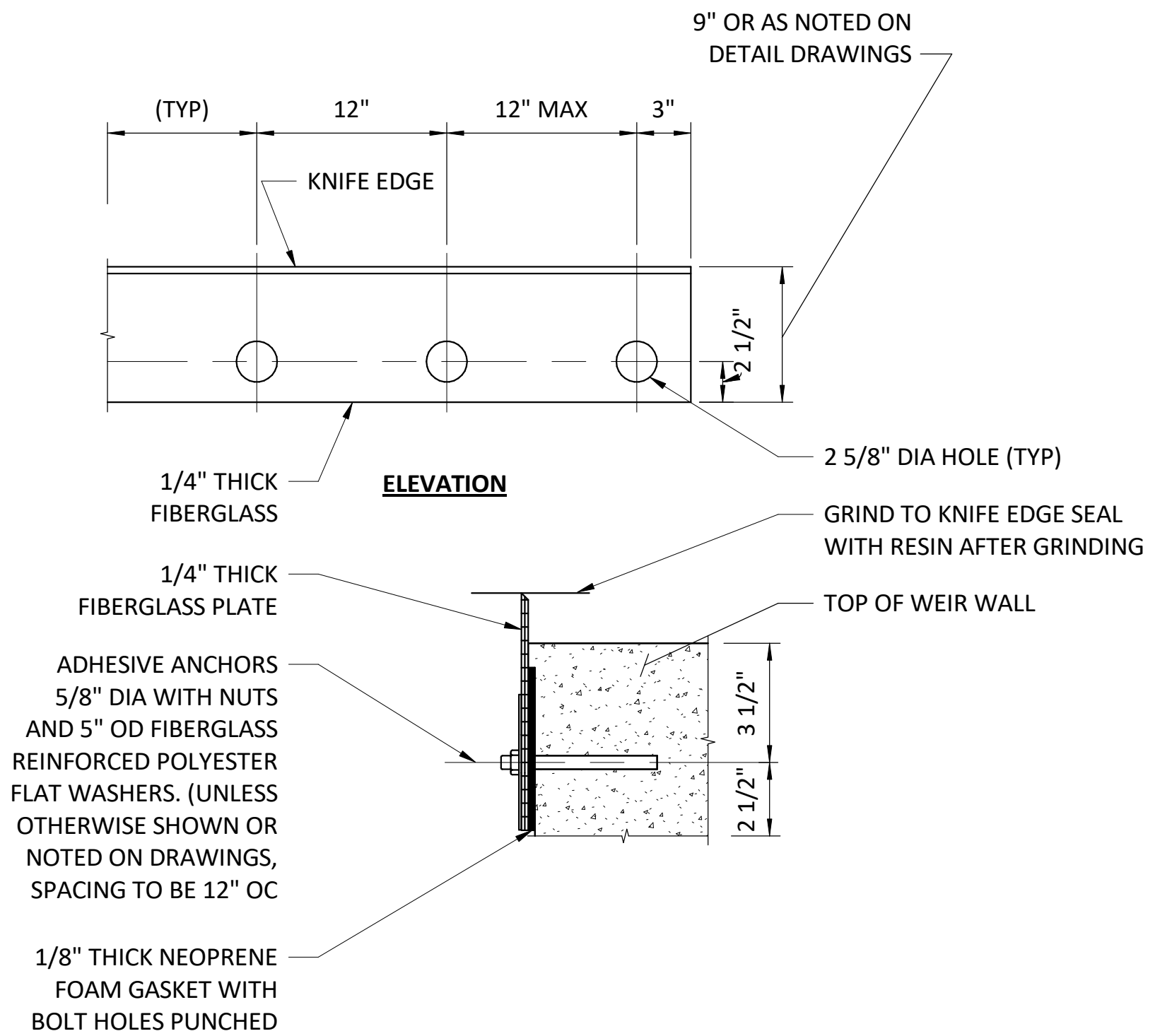
S180 CONCRETE CURB
SCALE: NTS



S194 CONCRETE FILL KEY
SCALE: NTS



S190 SLAB-ON-GRADE
SCALE: NTS



S310 FRP WEIR
SCALE: NTS

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING

0 1/2 1

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.



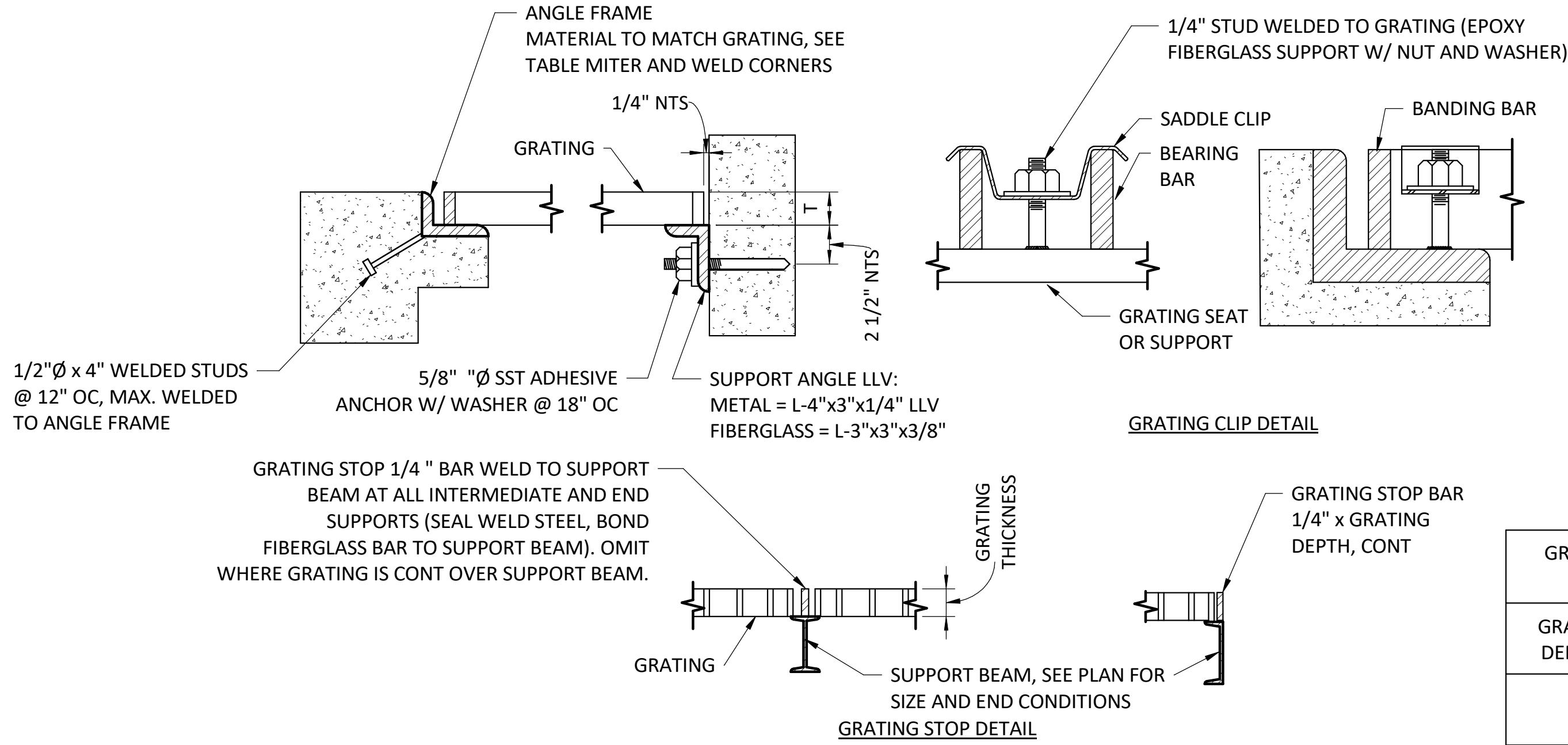
TULALIP TRIBES	DESIGNED	AG
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	DRAWN	STN
STRUCTURAL STANDARD DETAILS 5	CHECKED	ST
	ISSUED DATE	06/29/2026

DRAWING

GS-7

NOTES:

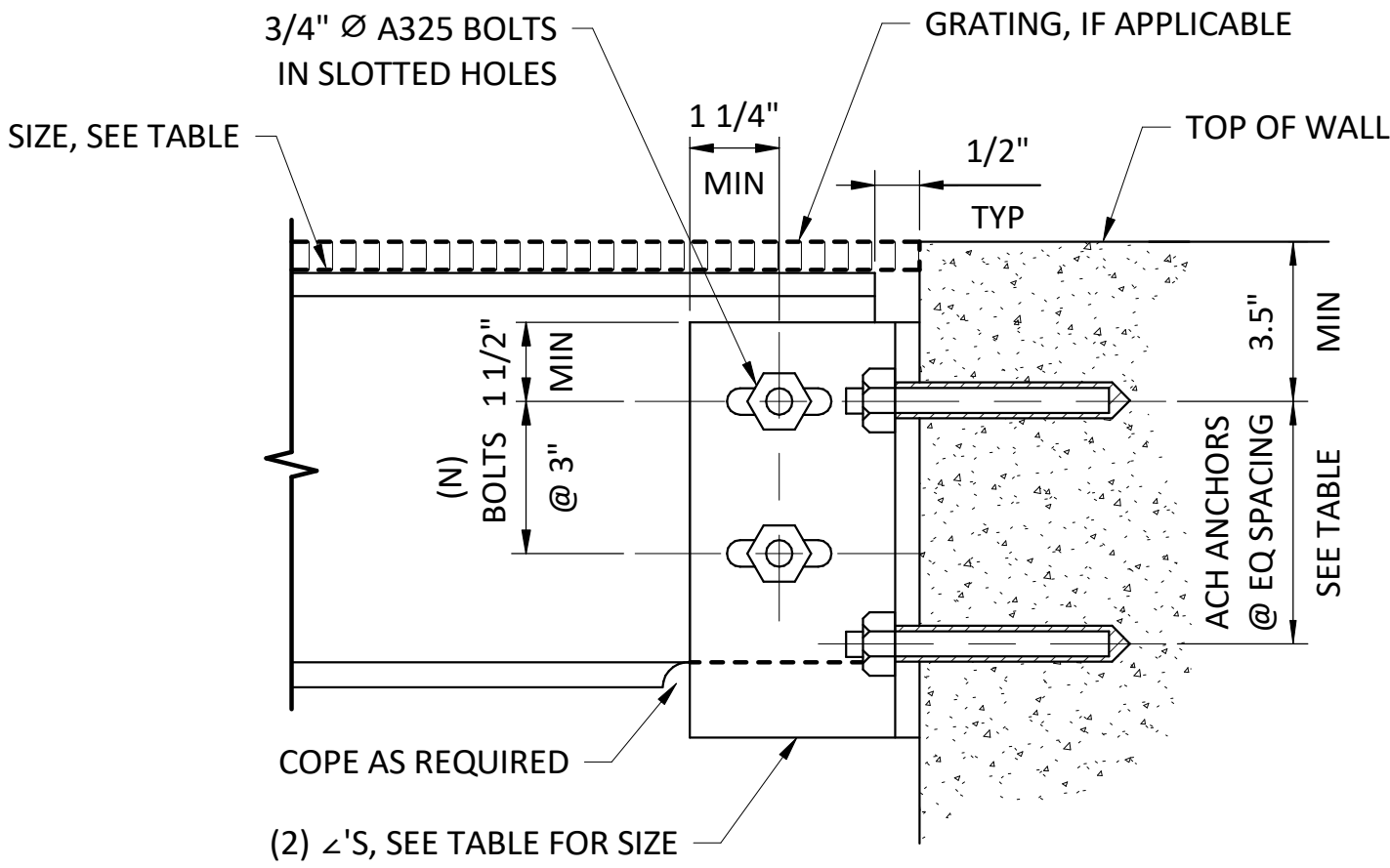
- UNLESS INDICATED OTHERWISE, GRATING SHALL BE ALUM.
- GRATING DEPTH TO BE DETERMINED BY MANUFACTURER AND APPROVED BY ENGINEER, UNO.
- ENDS AND OPENINGS SHALL BE BANDED.
- WEIGHT OF GRATING SECTION SHALL NOT EXCEED 80 LBS. METAL BEARING BARS SHALL BE DEPTH T x 3/16" @ 1 3/16" OC.. CROSS BARS SHALL BE @ 4" OC.
- METAL BEARING BARS SHALL BE DEPTH TX3/16": @ 1 13/16" OC CROSS BARS SHALL BE @ 4" OC.
- PROVIDE A MINIMUM OF 4 CLIPS PER GRATING PANEL, APPROX 4" FROM PANEL CORNERS MAXIMUM CLIP SPACING AT 36" OC.
- MATERIALS:
 - ALUM GRATING - USE ALUM ANGLE SUPPORTS AND SST BOLTS AND CLIPS. IF SUPPORTED BY STEEL BEAMS, USE STEEL STOP BARS. ALUM IN CONTACT WITH CONC OR STEEL SHALL BE COATED PER THE PROTECTIVE COATING SPECS.
 - GALV STEEL GRATING - USE STEEL ANGLE SUPPORTS, BOLTS AND CLIPS. GALV AFTER FABRICATION.
 - SST GRATING - USE SST ANGLE SUPPORTS, BOLTS AND CLIPS.
 - FIBERGLASS GRATING - USE FIBERGLASS FOR ALL COMPONENTS EXCEPT DRILLED ANCHORS; ALL CUT EDGES SHALL BE SEALED WITH RESIN; BONDING: USE EPOXY ADHESIVE BONDING AGENT.



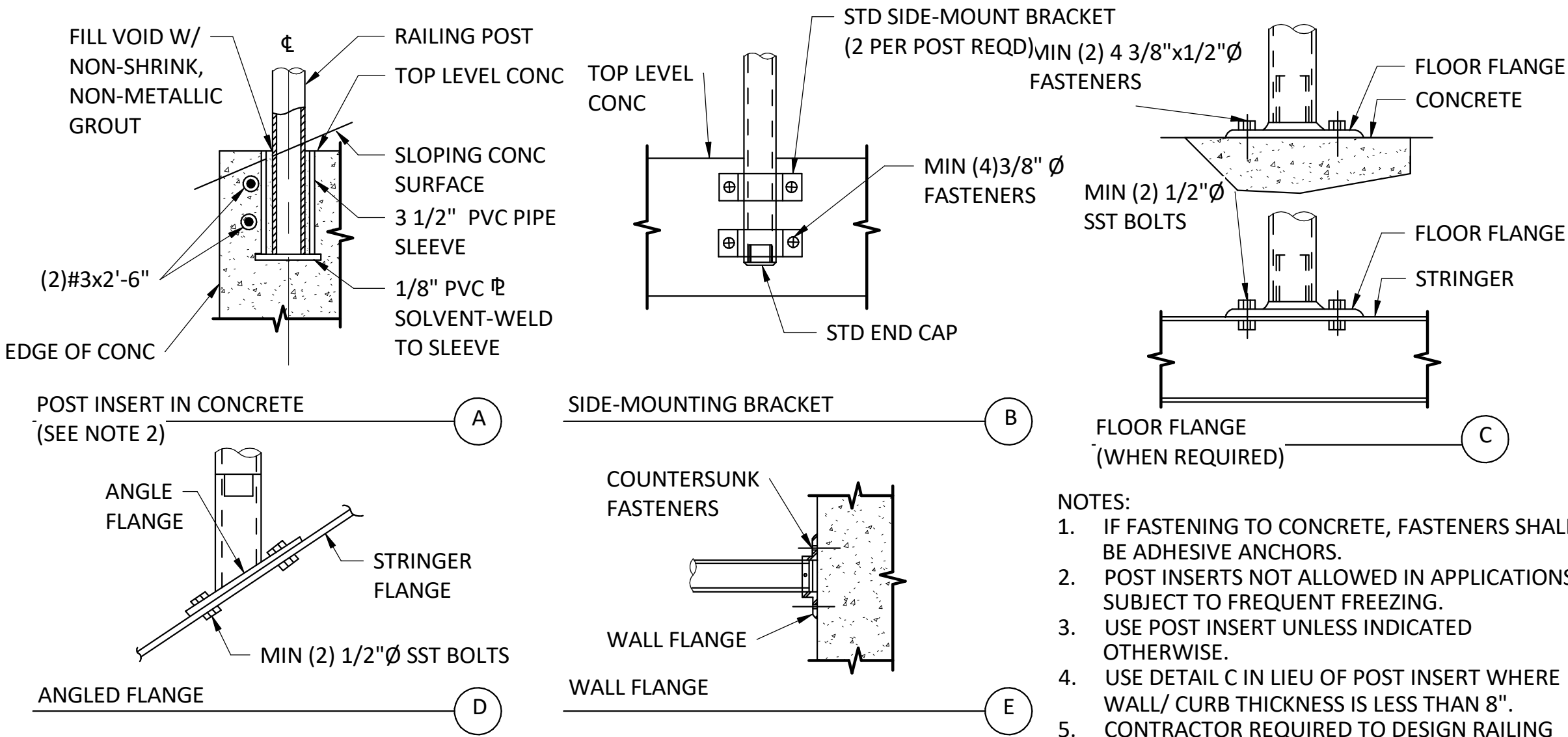
GRATING FRAME TABLE SIZED TO MATCH GRATING (FOR FIBERGLASS USE CONTINUOUS PROTRUDED FIBERGLASS SEAT & ANCHOR)			
GRATING DEPTH T	STEEL ANGLE	GRATING DEPTH T	STEEL ANGLE
1"	1 3/4 x 1 1/4 x 1/4 (1 1/4 x 1 1/4 1/4)	2"	*2 1/2 x 2 1/2 x 1/2
1 1/4"	2 x 1 1/2 x 1/4 (1 1/2 x 1 1/4 1/4)	2 1/4"	*2 1/2 x 2 1/2 x 1/4
1 1/2"	1 3/4 x 1 3/4 x 1/4	2 1/2"	3 x 3 x 1/2
1 3/4"	2 x 2 x 1/4		

* OR USE 2 1/2"x2 1/2"x1/4"W/1/4" SHIM PLATE WELDED TO BOTTOM

BEAM TO CONCRETE CONNECTION SCHEDULE				
SUPPORTED BEAM SIZE	NO OF BOLTS N	PLATE THICKNESS T	WELD SIZE A	COMMENTS
W8 OR C8	2	1/4	3/16	-
W10 OR C10	2	1/4	3/16	-
W12 OR C12	3	1/4	3/16	-
W14 OR C15	3	1/4	3/16	-
W16	4	1/4	3/16	-
W18	4	1/4	3/16	-
W21	5	1/4	3/16	-
W24	6	5/16	1/4	-
W27	7	5/16	1/4	-
W30	8	3/8	5/16	-
W36	2	7/16	3/8	-

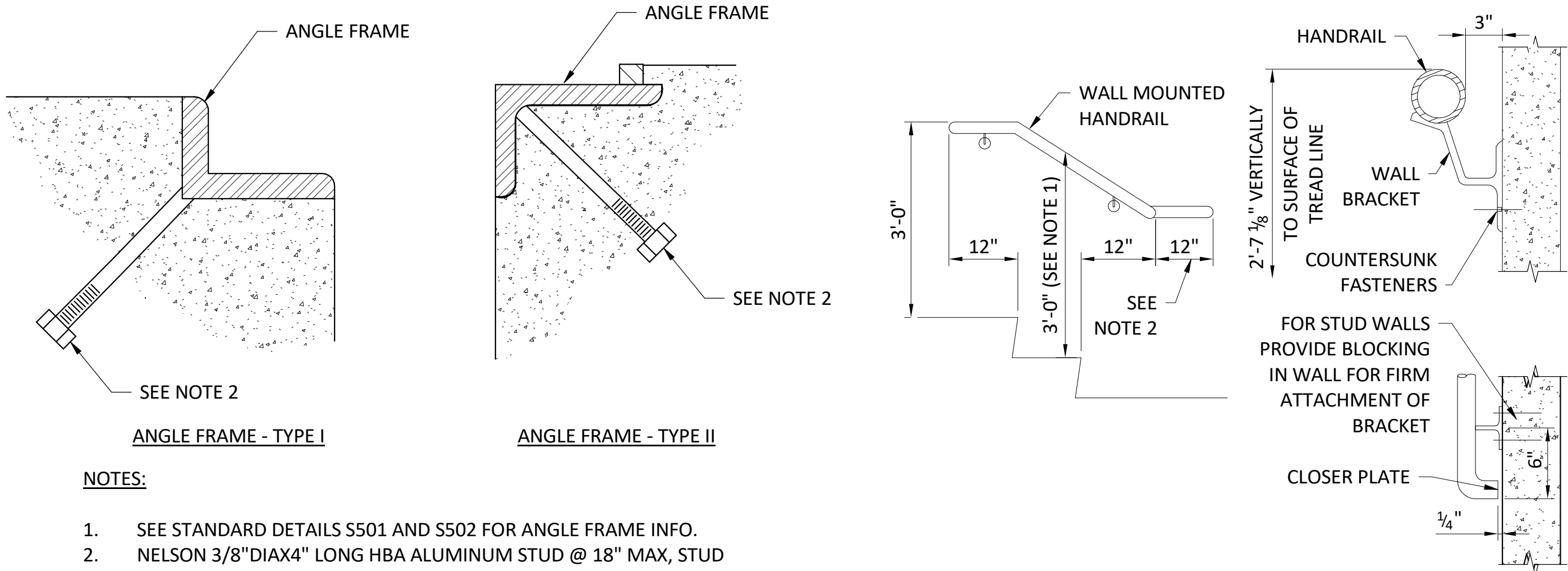


S502 BEAM TO CONCRETE CONNECTION
SCALE: NTS



S512 RAILING, GUARDRAIL, AND HANDRAIL SUPPORT
SCALE: NTS

S501 GRATING
SCALE: NTS



NOTES:

- VERTICAL DIMENSIONS ARE FROM LEADING EDGE OF TREAD TO TOP OF RAIL (PARALLEL TO STAIR SLOPE)
- ADDITIONAL 1'-0" HORIZONTAL LENGTH (ONLY REQUIRED AT HANDICAP ACCESSIBLE STAIR).

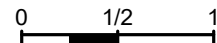
S504 ALUMINUM WELDED STUD
SCALE: NTS

S509 EQUIPMENT BASE
SCALE: NTS

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING



IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.



TULIP TRIBES	
TULIP CREEK LOWER POND IMPROVEMENTS PROJECT	
STRUCTURAL STANDARD DETAILS 6	

DESIGNED	AG
DRAWN	STN
CHECKED	ST

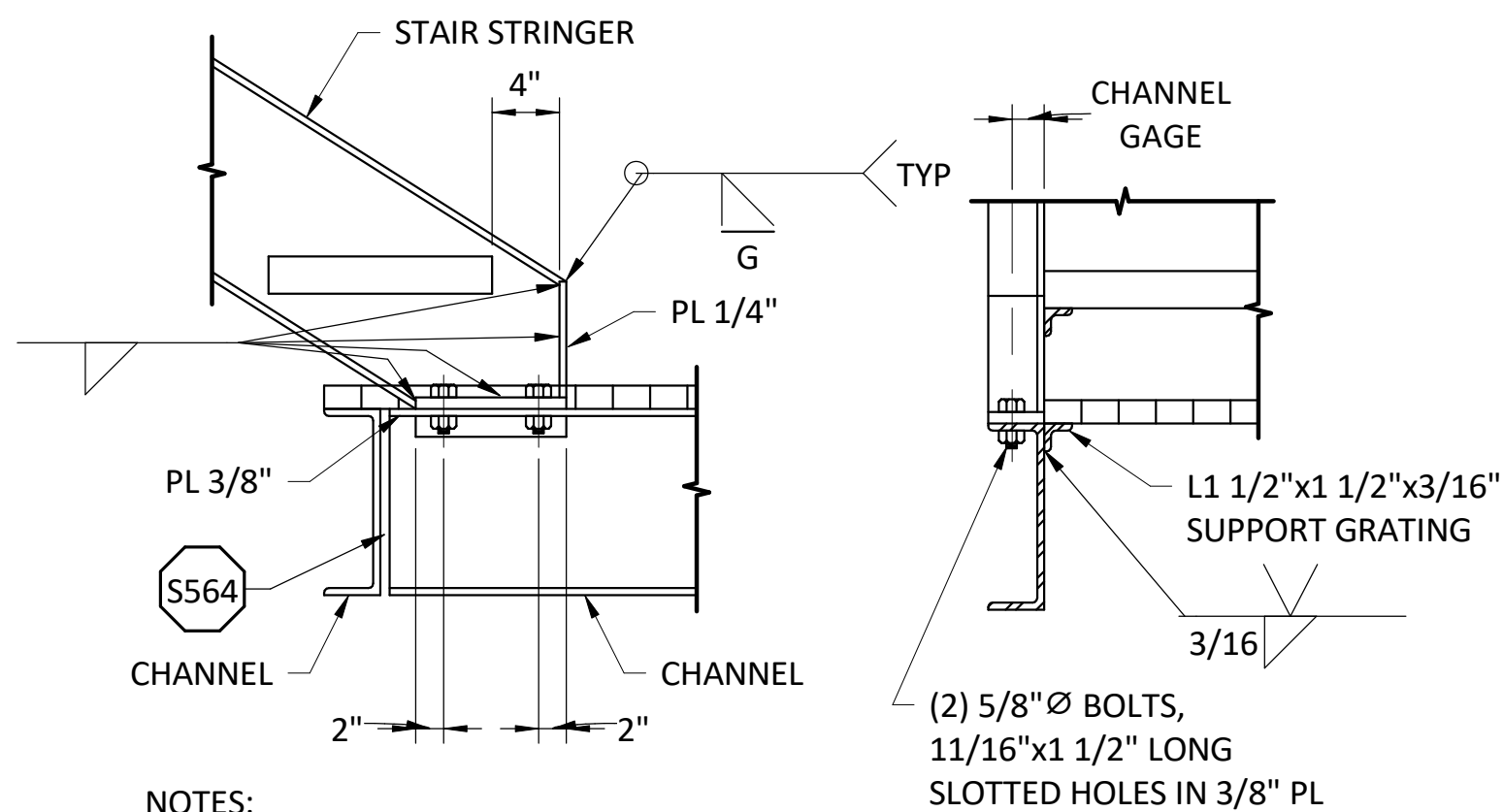
DRAWING

GS-8

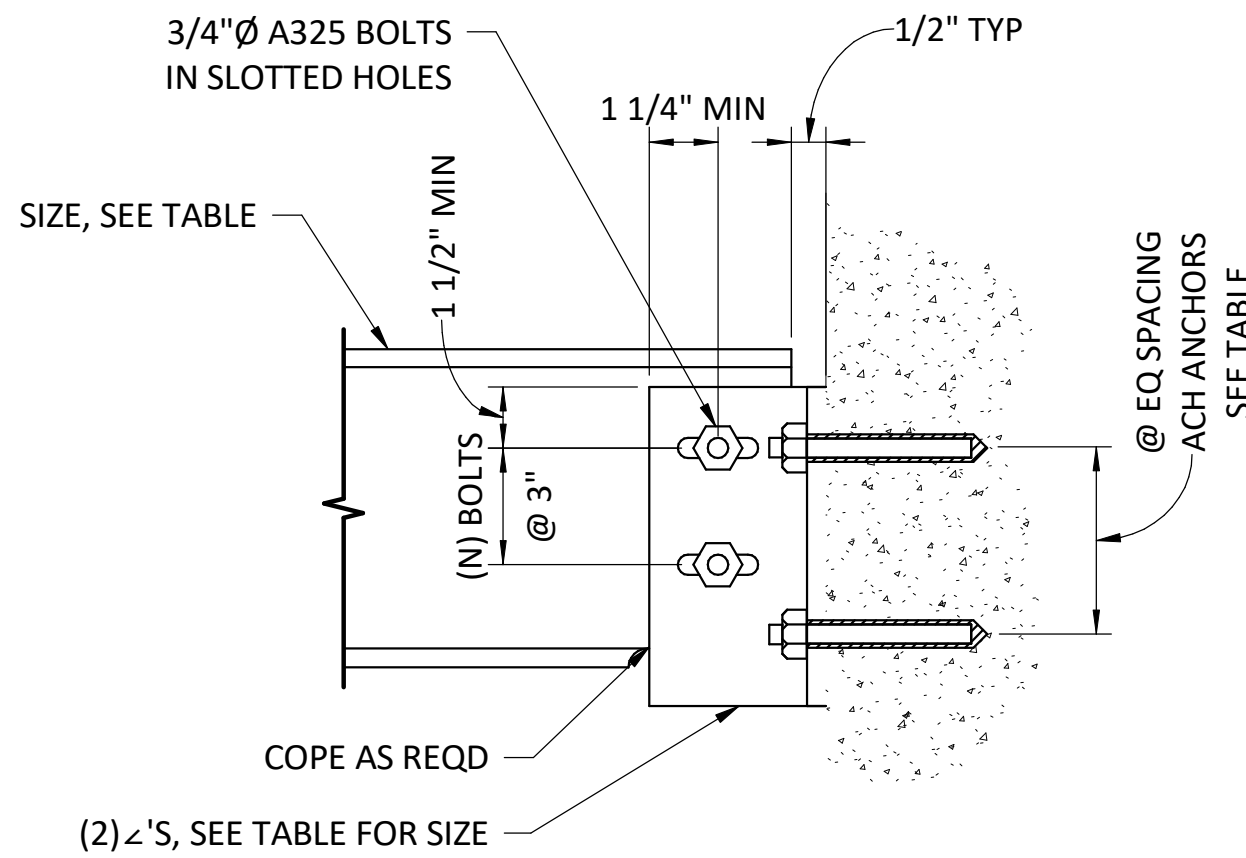
ISSUED DATE: 06/29/2026
Exhibit E.2 Page 46 of 161



				PRELIMINARY NOT FOR CONSTRUCTION	WARNING 0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.	McMillen 1471 Shoreline Dr. Ste 100, Boise, ID 83702 (208) 342-4214 mcmillen.com	TULALIP TRIBES		DESIGNED _____ AG	DRAWING GS-9	
							TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT				DRAWN _____ STN
							STRUCTURAL STANDARD DETAILS 7				CHECKED _____ ST
									ISSUED DATE Exhibit E 2 Page 47 of 161		
A	06/29/26	RM	PRE-FINAL DESIGN								
REV	DATE	BY	DESCRIPTION						Exhibit E 2 Page 47 of 161		

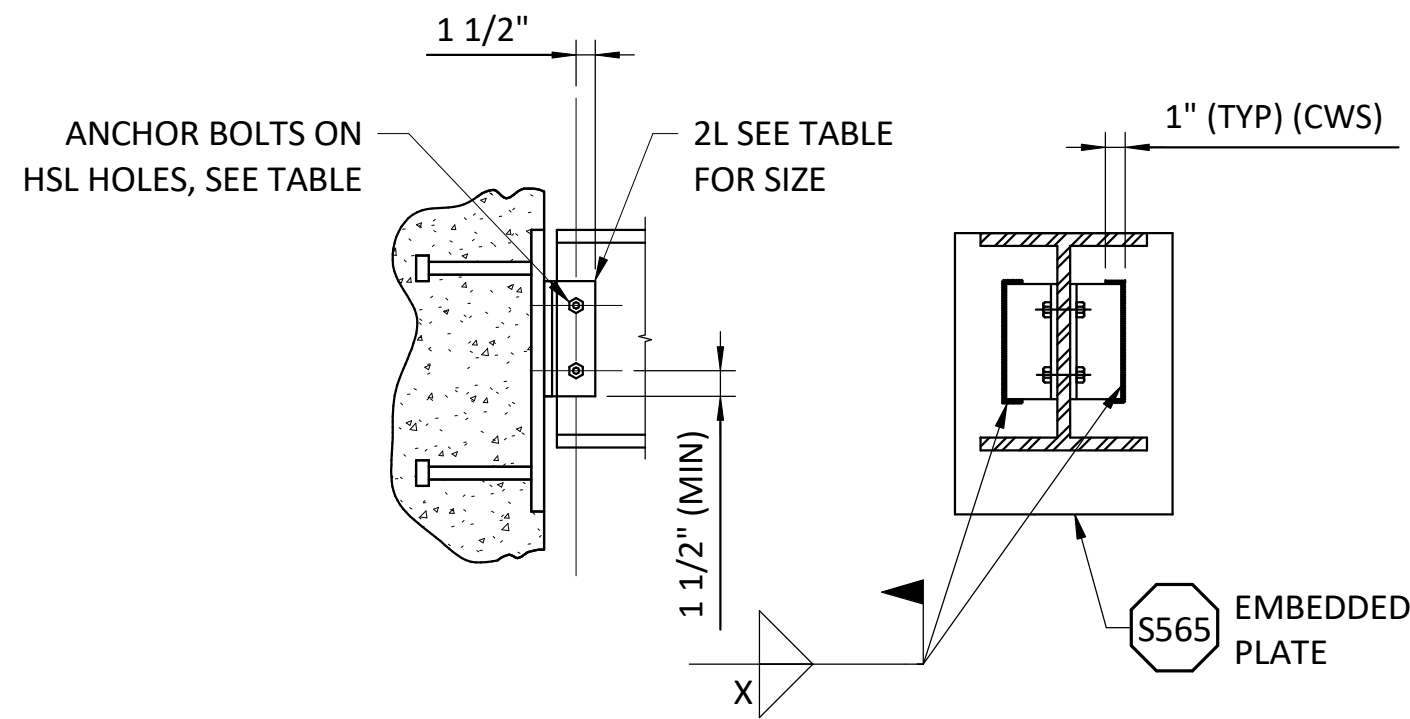


S546 STAIR BOTTOM TO CHANNEL CONNECTION
SCALE: NTS

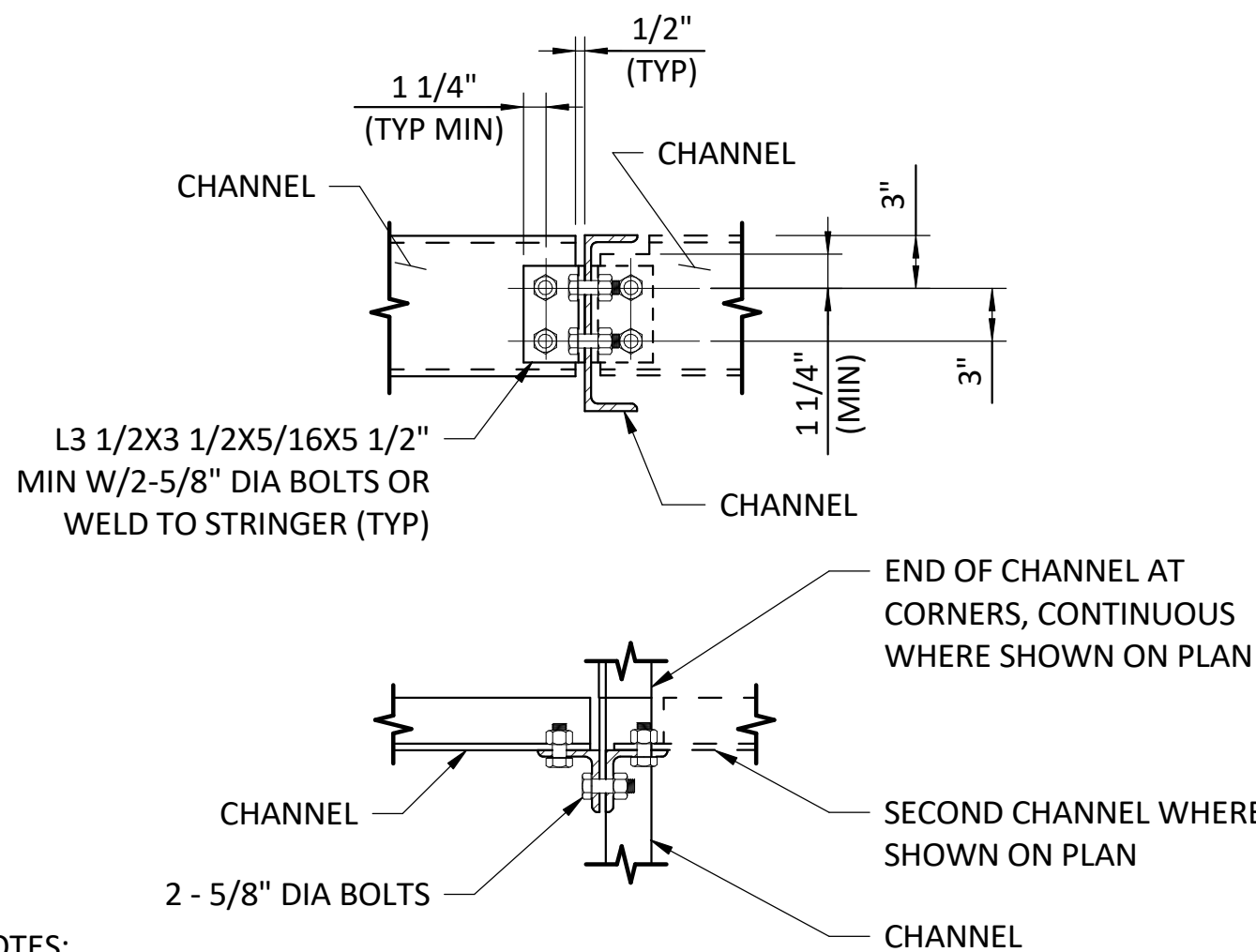


BEAM TO CONC CONNECTION SCHEDULE			
BEAM SIZE	DOUBLE ANGLE SIZE	# OF BOLTS N	ADHESIVE ANCHORS NUMBER AND SIZE

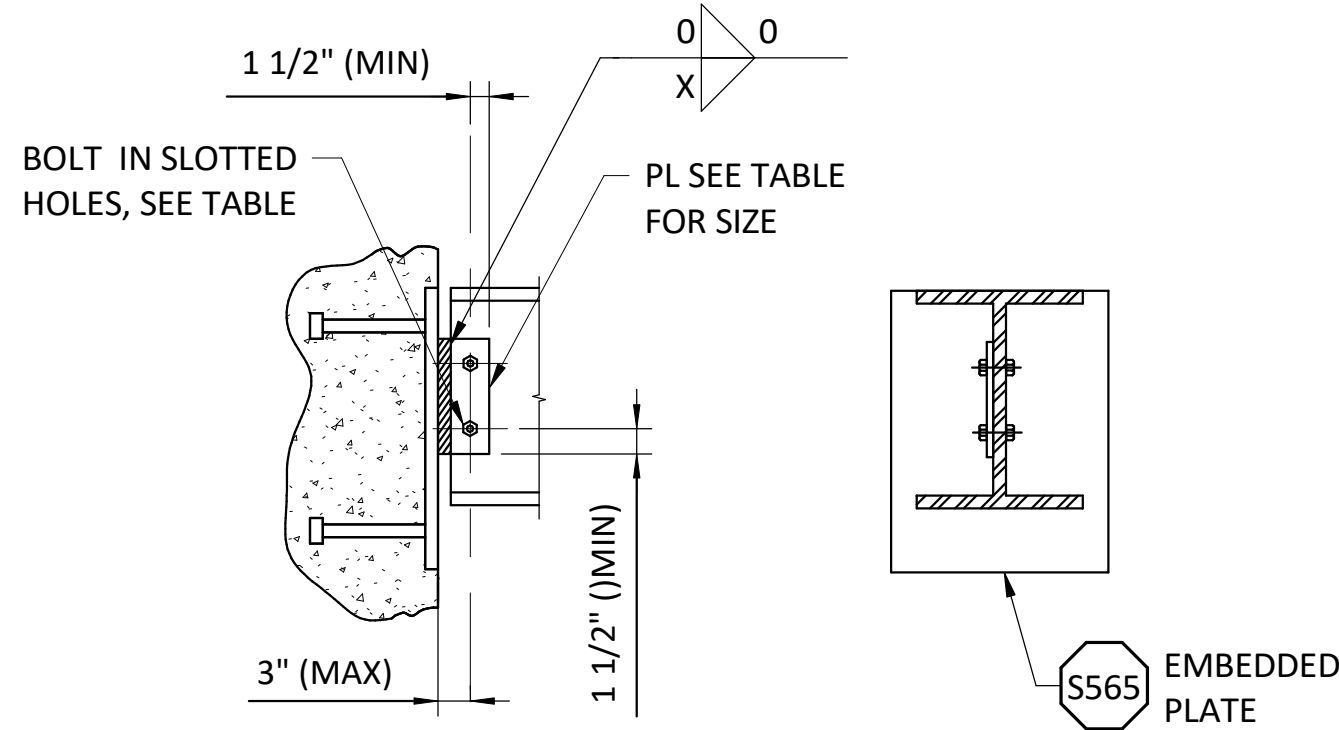
S563 BEAM TO CONCRETE CONNECTION
SCALE: NTS



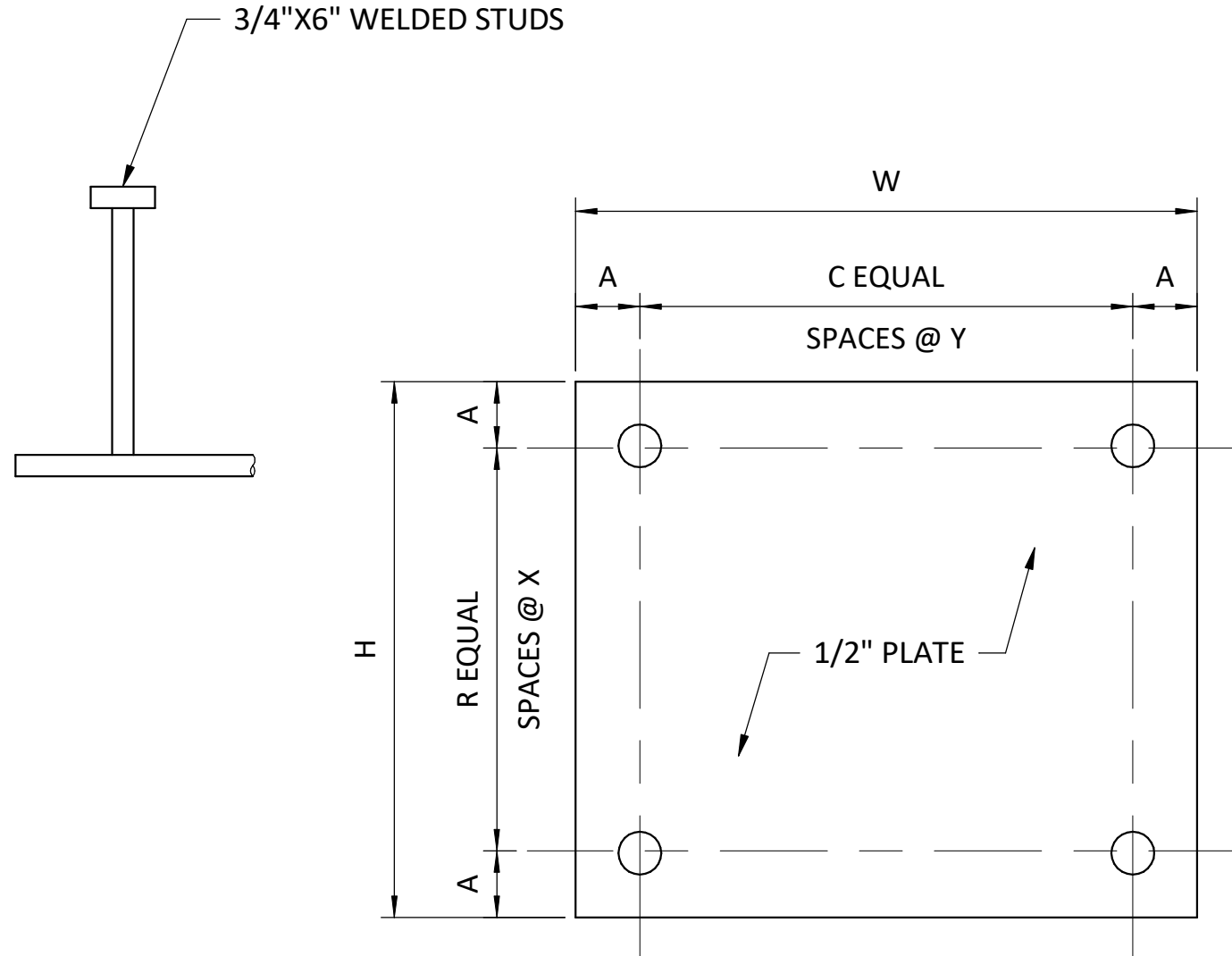
S564 BEAM TO BEAM CONNECTION
SCALE: NTS



- NOTES:
- FOR CHANNEL SIZES SEE PLAN.
 - COPE STRINGER MINIMUM AS NEEDED.
 - STANDARD SIZE HOLES UNLESS NOTED OTHERWISE



S565 EMBEDDED PLATE
SCALE: NTS

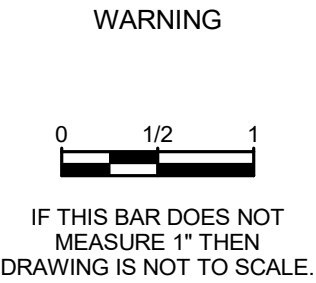


CONNECTION SCHEDULE						
BEAM SIZE	ANGLE OR PLATE SIZE	CONN TYPE	# OF BOLTS	BOLT SPACING	EMBEDDED PLATE TYPE	WELD SIZE X
L6	PL 1/4" X 5"	B	1	3"	D	3/16"
W8 PR C8	PL 1/4" X 4"	B	2	3"	A	3/16"
W10 OR C10	PL 1/4" X 4"	B	2	3"	A	3/16"
W12	PL 1/4" X 4"	B	3	3"	A	3/16"
W14	L4 X 3" X 1/4"	A	3	3"	A	3/16"
W16	L4 X 3" X 1/4"	A	4	3"	B	3/16"
W18	L4 X 3" X 5/16"	A	4	3"	B	3/16"
W21	L4 X 3" X 3/8"	A	5	3"	C	3/16"

EMBEDDED PLATE SCHEDULE								
PLATE SIZE	H	W	A	R ROWS	X	C COLUMNS	Y	TOTAL # OF STUDS EA PLATE
A	12"	10"	2"	2	8"	2	6"	4
B	20"	12"	2"	2	8"	2	8"	6
C	24"	14"	2"	2	10"	2	10"	6
D	12"	10"	2"	2	8"	2	6"	4
E	10"	10"	2"	2	6"	2	6"	4
F	14"	12"	2"	2	10"	2	8"	4
G	12"	12"	2"	2	8"	2	8"	4
H								

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

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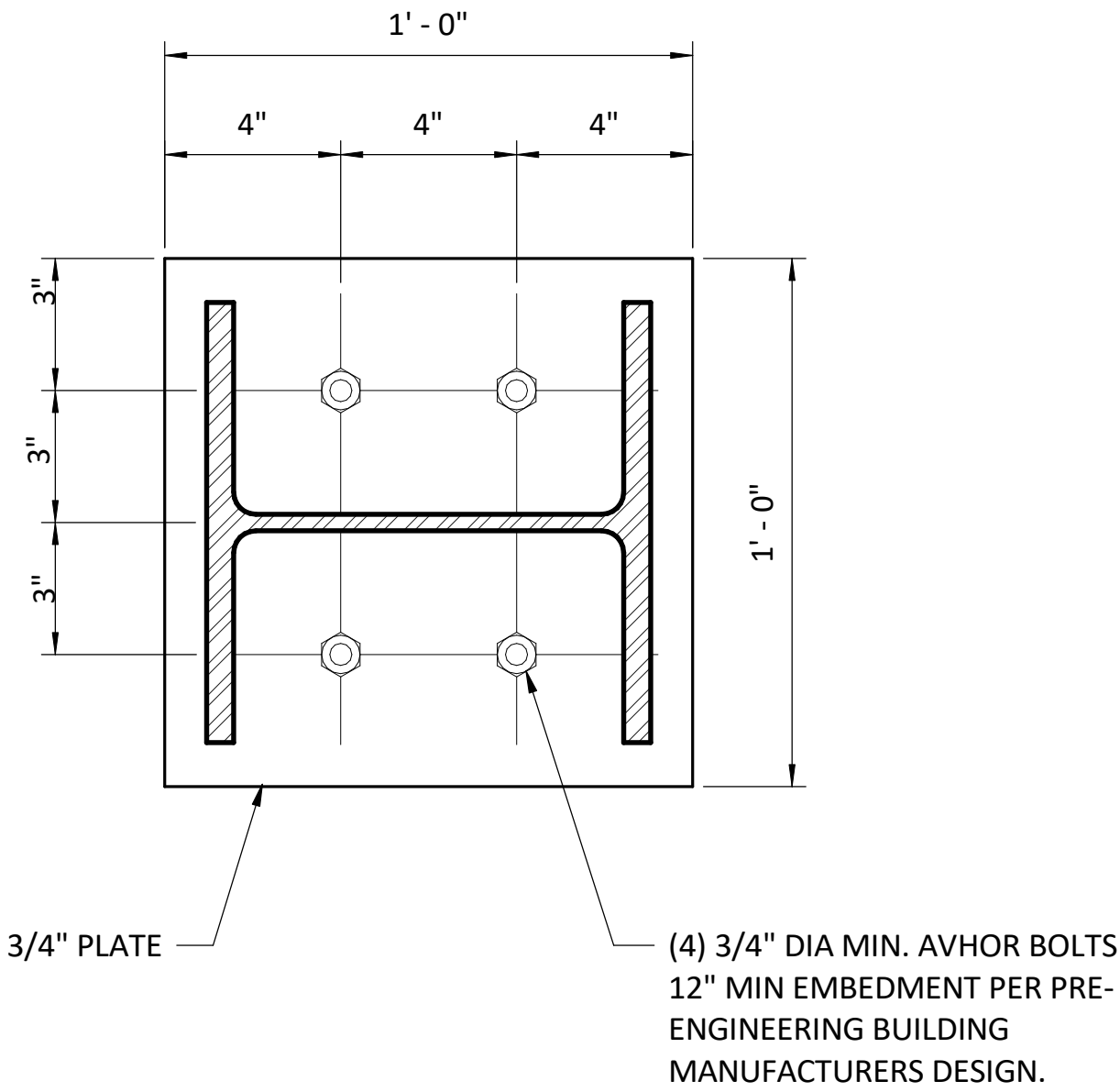
TULALIP TRIBES	
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	
STRUCTURAL STANDARD DETAILS 8	
DESIGNED	AG
DRAWN	STN
CHECKED	ST
ISSUED DATE	06/29/2026

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Exhibit E.2 Page 48 of 161

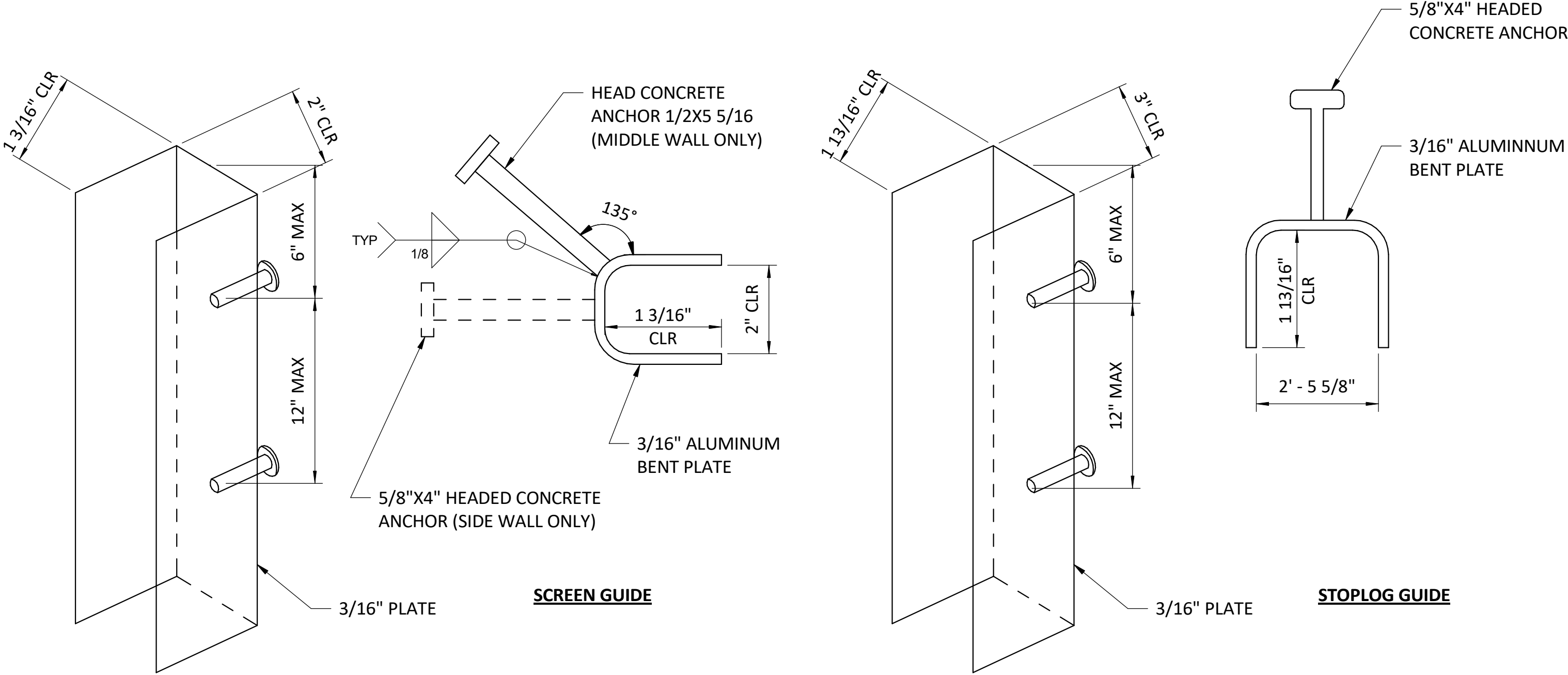
GS-10

NOTE:

1. PROVIDE 1 1/2" GROUT UNDERNEATH BASE PLATE

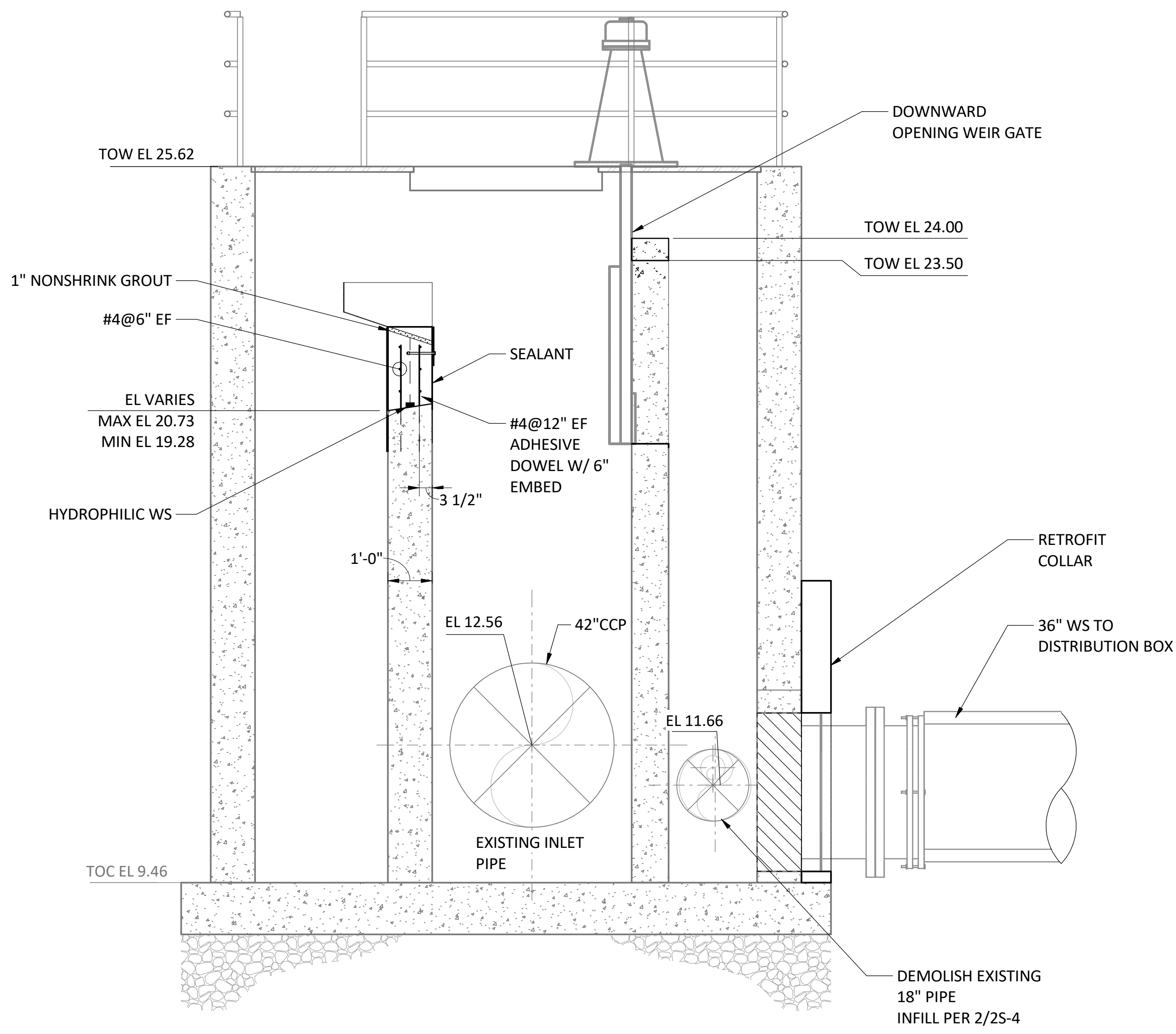


S902 COLUMN BASE
SCALE: NTS

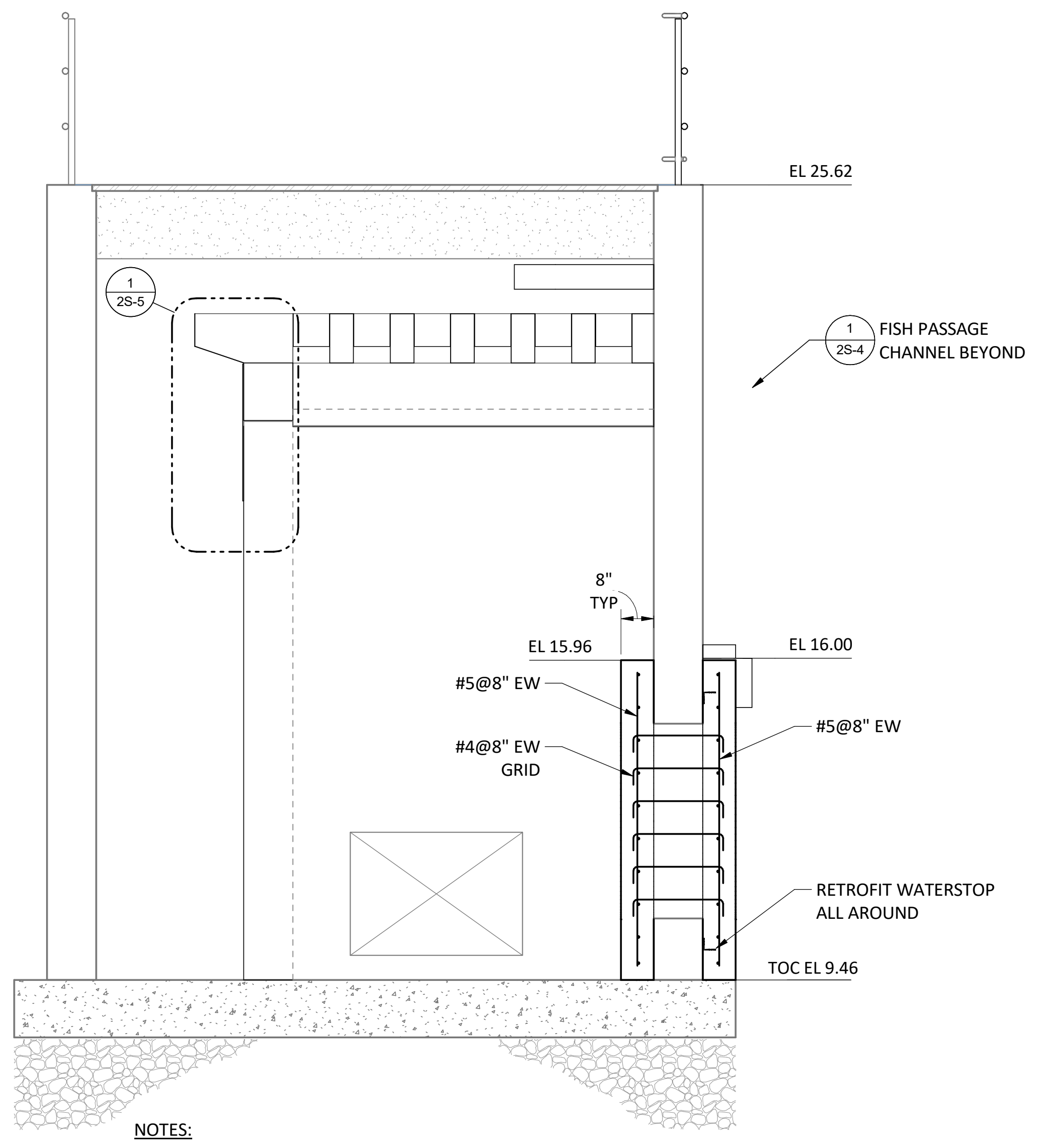


S900 RACEWAY SCREEN AND STOPLOG GUIDES
SCALE: NTS

				PRELIMINARY NOT FOR CONSTRUCTION	WARNING 0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.	McMillen 1471 Shoreline Dr. Ste 100, Boise, ID 83702 (208) 342-4214 mcmillen.com	TULALIP TRIBES		DESIGNED	AG	DRAWING GS-11
							TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT		DRAWN	STN	
							STRUCTURAL STANDARD DETAILS 9		CHECKED	ST	
									ISSUED DATE	06/29/2026	
A	06/29/26	RM	PRE-FINAL DESIGN						Exhibit E.2 Page 49 of 161		
REV	DATE	BY	DESCRIPTION			Exhibit E.2 Page 49 of 161					



A SECTION
2S-1
SCALE: 1/2" = 1'-0"



- NOTES:**
1. REMOVE ALL LOOSE OR DETERIORATED CONCRETE.
 2. ROUGHEN EXISTING CONCRETE SURFACES TO 1/4" AMPLITUDE EXCEPT AT CONNECTION TO WATERSTOP CLEAN AND LEAVE SMOOTH.

B SECTION
2S-1
SCALE: 1/2" = 1'-0"

REV	DATE	BY	DESCRIPTION
A	06/29/26	RM	PRE-FINAL DESIGN

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING

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IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

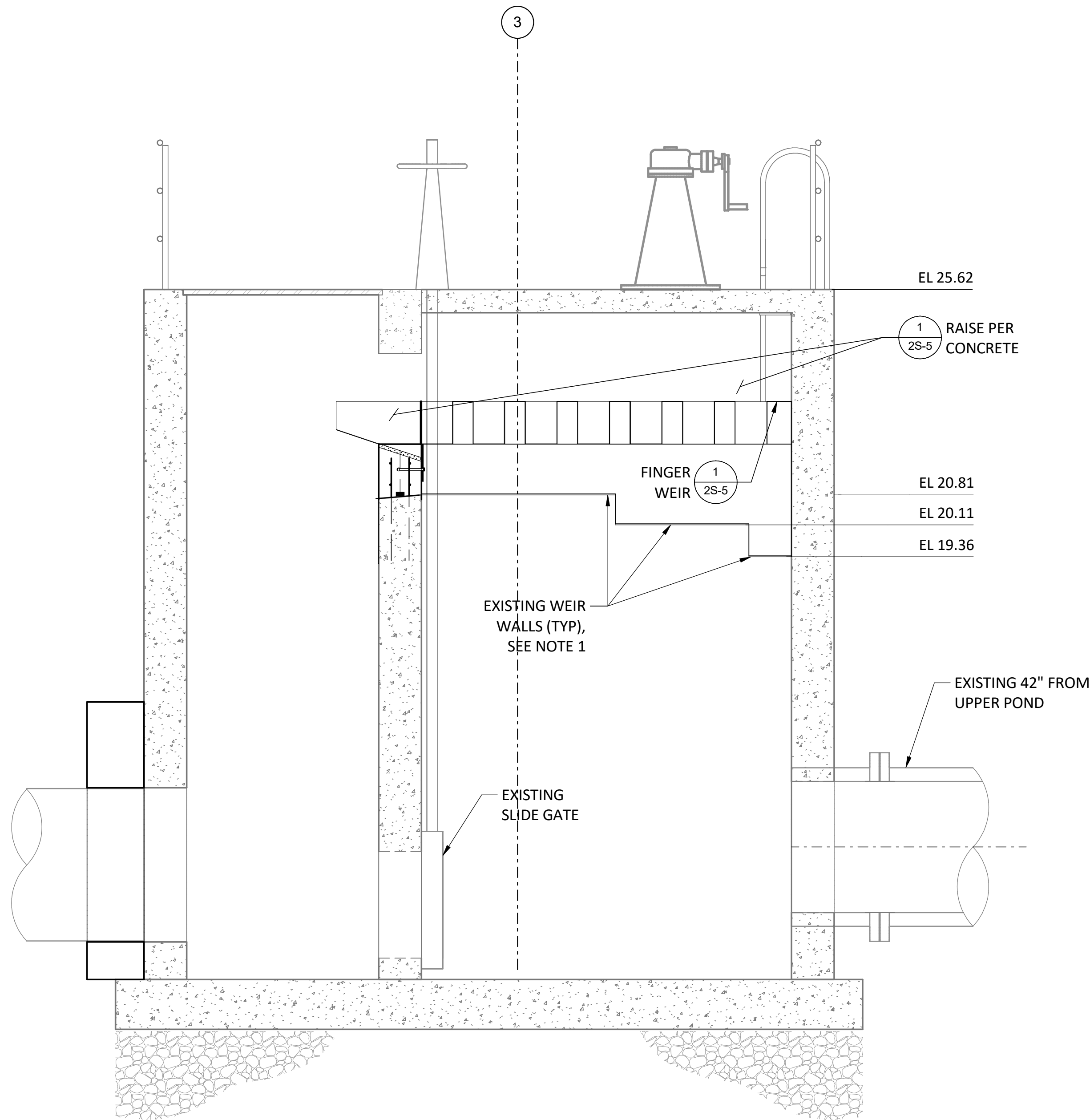
McMillen

1471 Shoreline Dr. Ste 100 Boise, ID 83702 | (208) 342-4214 | mcmillen.com

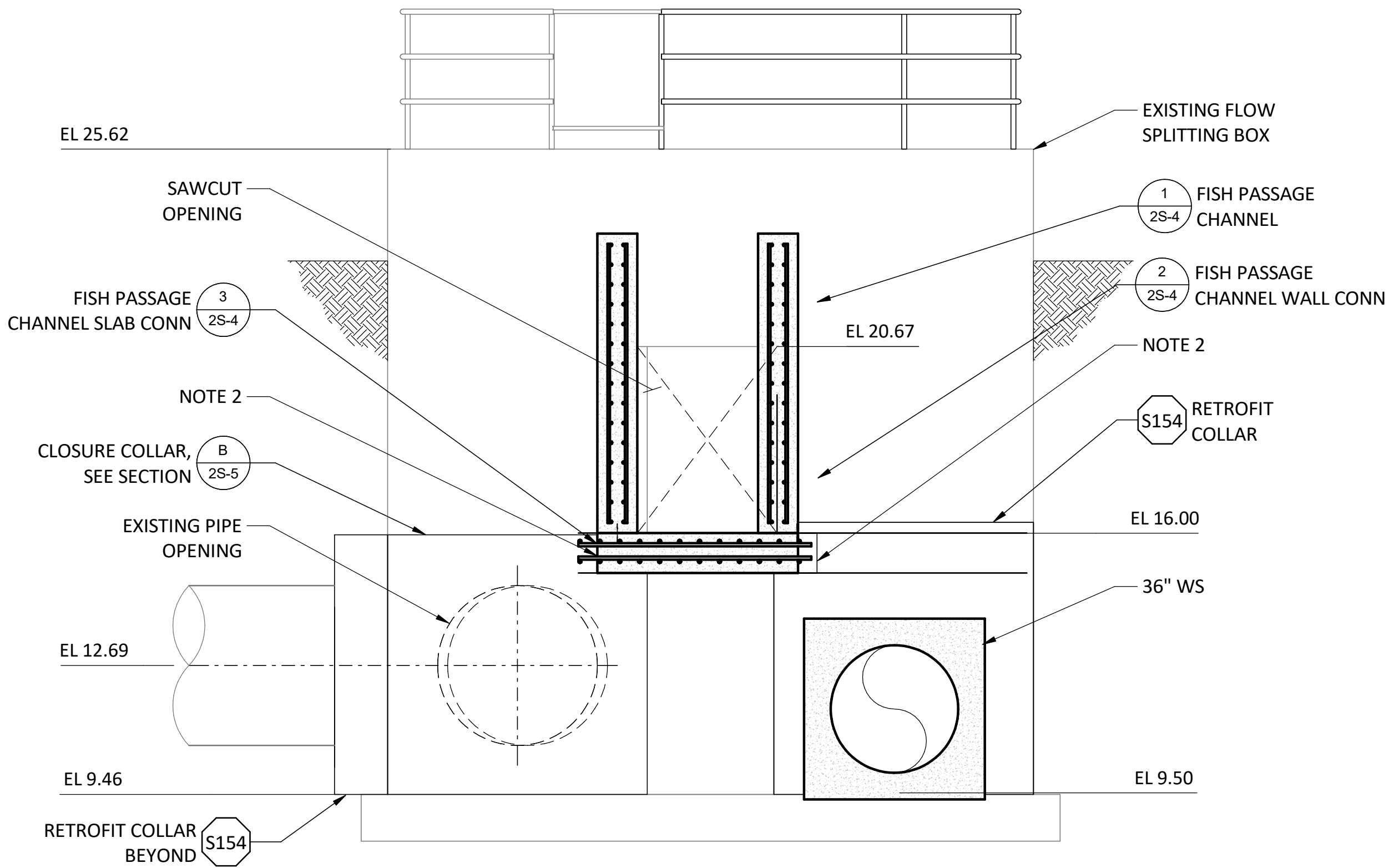
TULALIP TRIBES	
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	
FLOW SPLITTING BOX MODIFICATIONS SECTIONS 1	
DESIGNED	AG
DRAWN	STN
CHECKED	ST
ISSUED DATE	06/29/26

GENERAL SHEET NOTE

1. REMOVE ALL EXISTING WEIR PLATES.
2. NOTCH CLOSURE COLLAR AND RETROFIT PIPE COLLAR TO ACCOMODATE FISH PASSAGE CHANNEL



C SECTION
2S-1 SCALE: 1/2" = 1'-0"



1 EAST WALL ELEVATION
2S-1 SCALE: 3/8" = 1'-0"

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

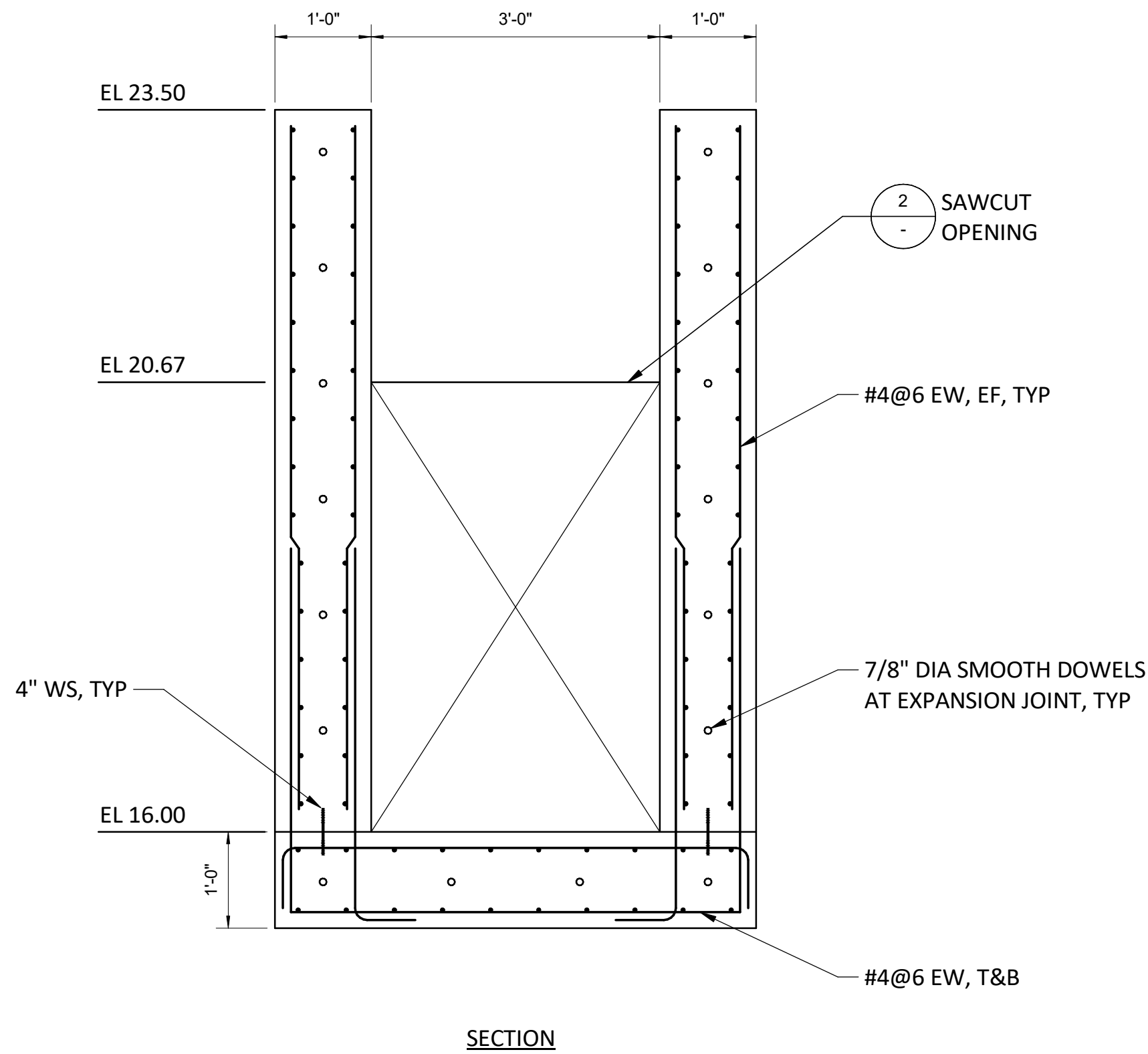
PRELIMINARY
NOT FOR CONSTRUCTION

WARNING

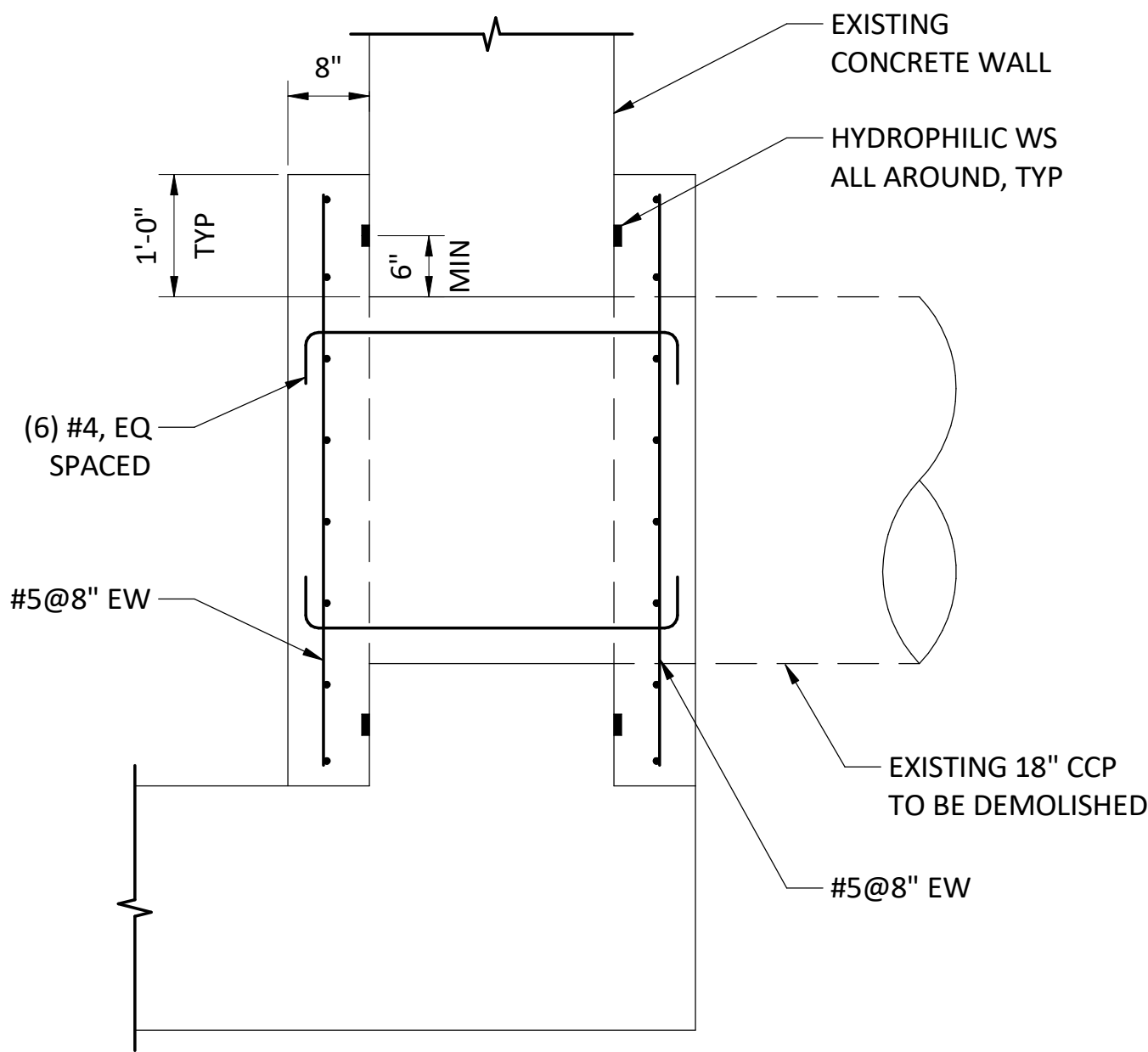
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IF THIS BAR DOES NOT
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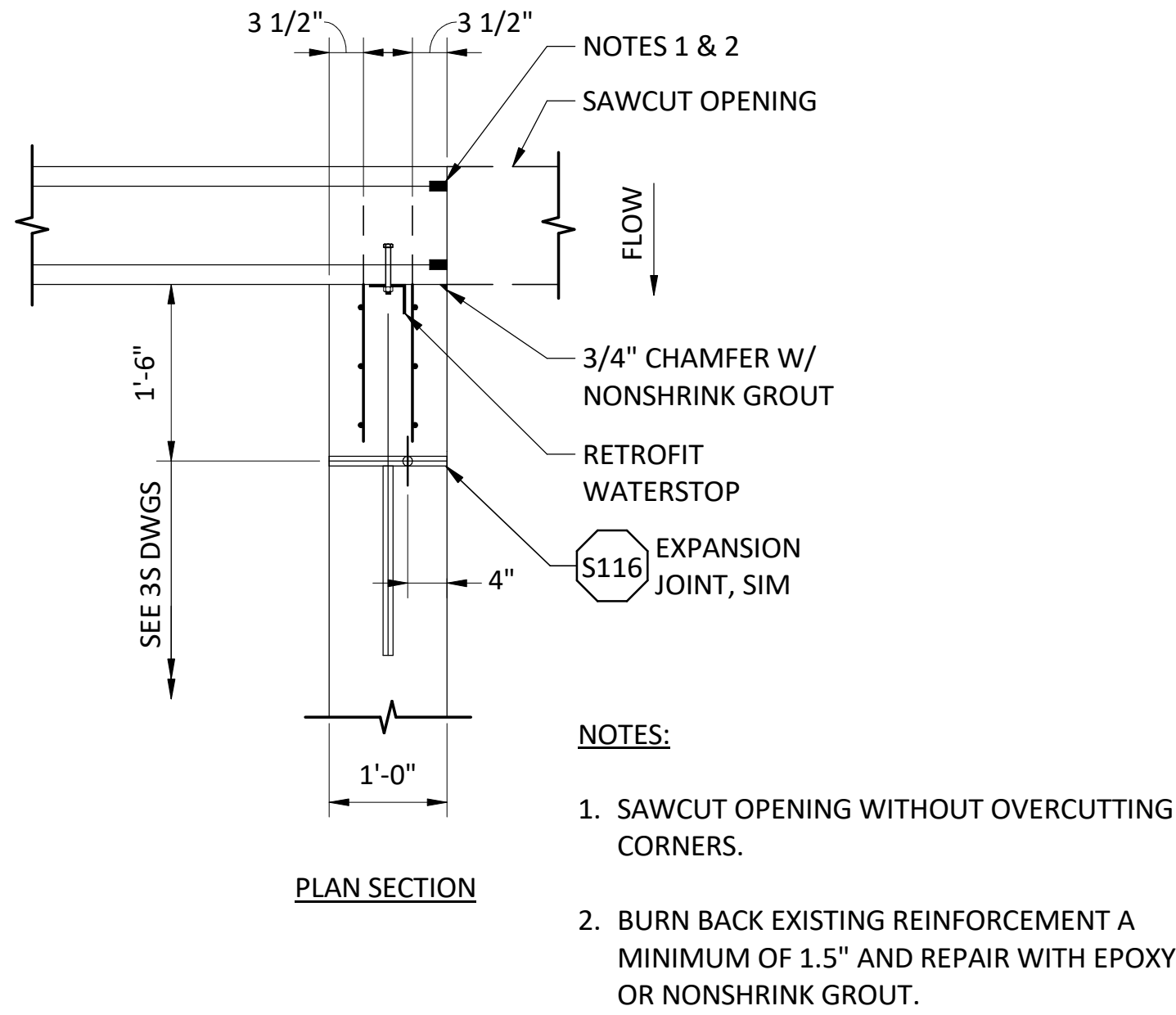
TULALIP TRIBES	DESIGNED AG	DRAWING 2S-3
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	DRAWN STN	
FLOW SPLITTING BOX MODIFICATIONS SECTION AND ELEVATION	CHECKED ST	
	ISSUED DATE 06/29/26	



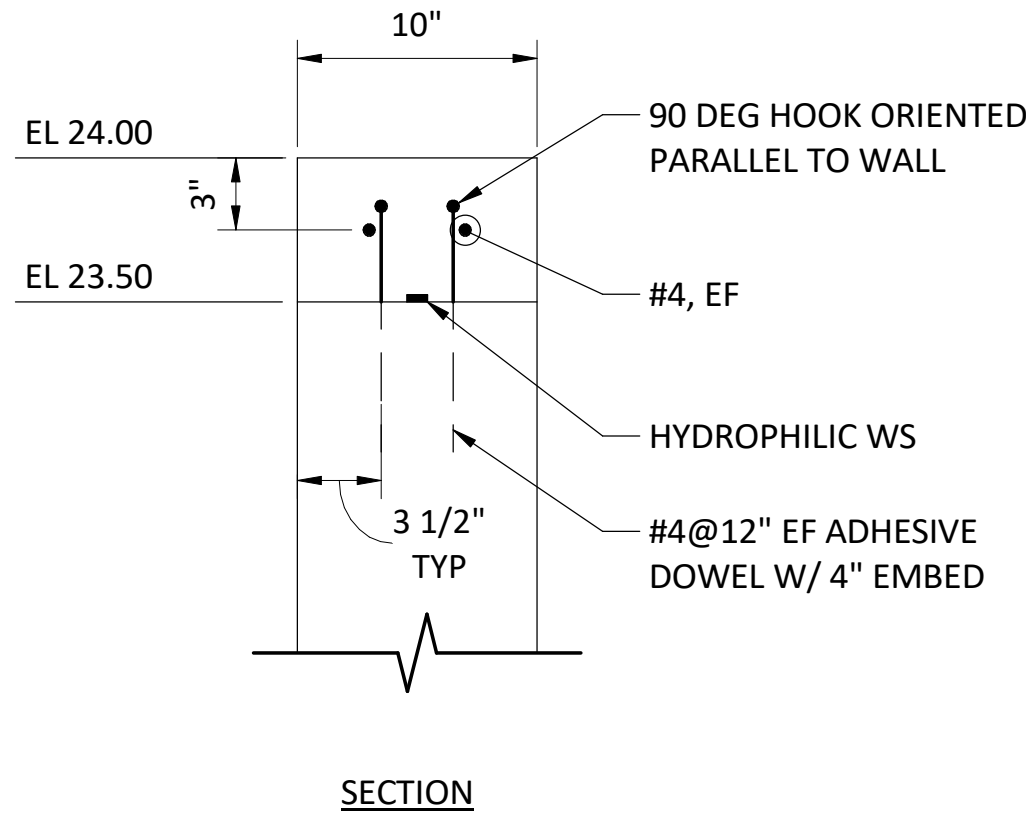
1 FISH PASSAGE CHANNEL DETAIL
SCALE: 3/4" = 1'-0"



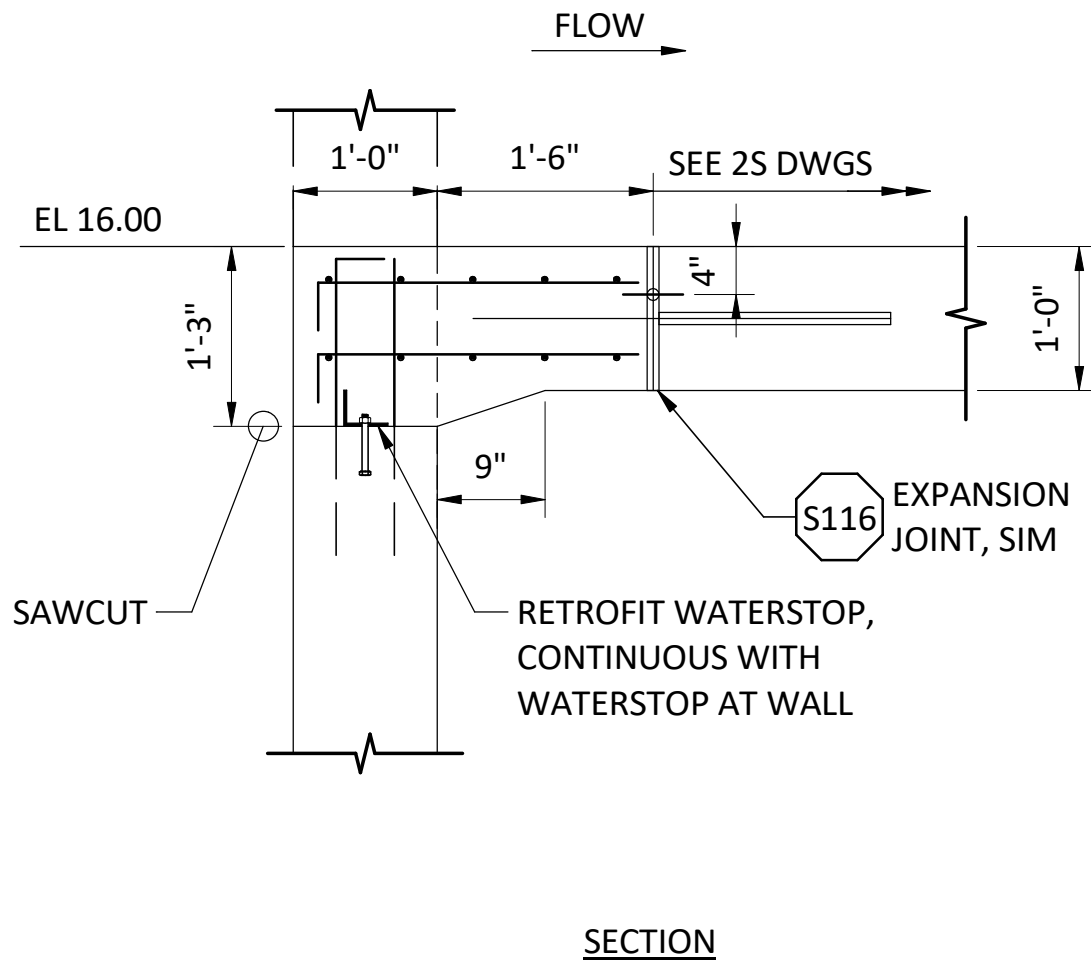
4 EXISTING 18" CCP CLOSURE
SCALE: 3/4" = 1'-0"



2 FISH PASSAGE CHANNEL WALL CONN DETAIL
SCALE: 3/4" = 1'-0"



5 WALL EXTENSION DETAIL
SCALE: 1 1/2" = 1'-0"



3 FISH PASSAGE CHANNEL SLAB CONN DETAIL
SCALE: 3/4" = 1'-0"

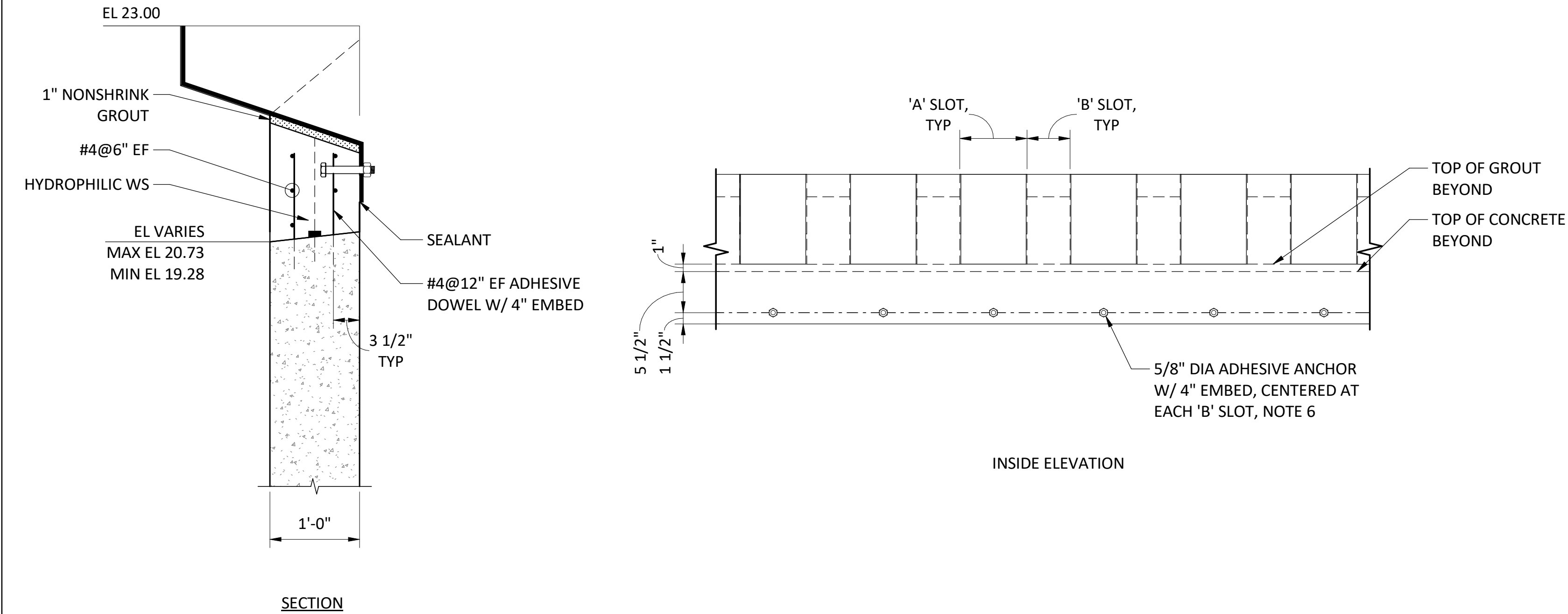
A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

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NOT FOR CONSTRUCTION

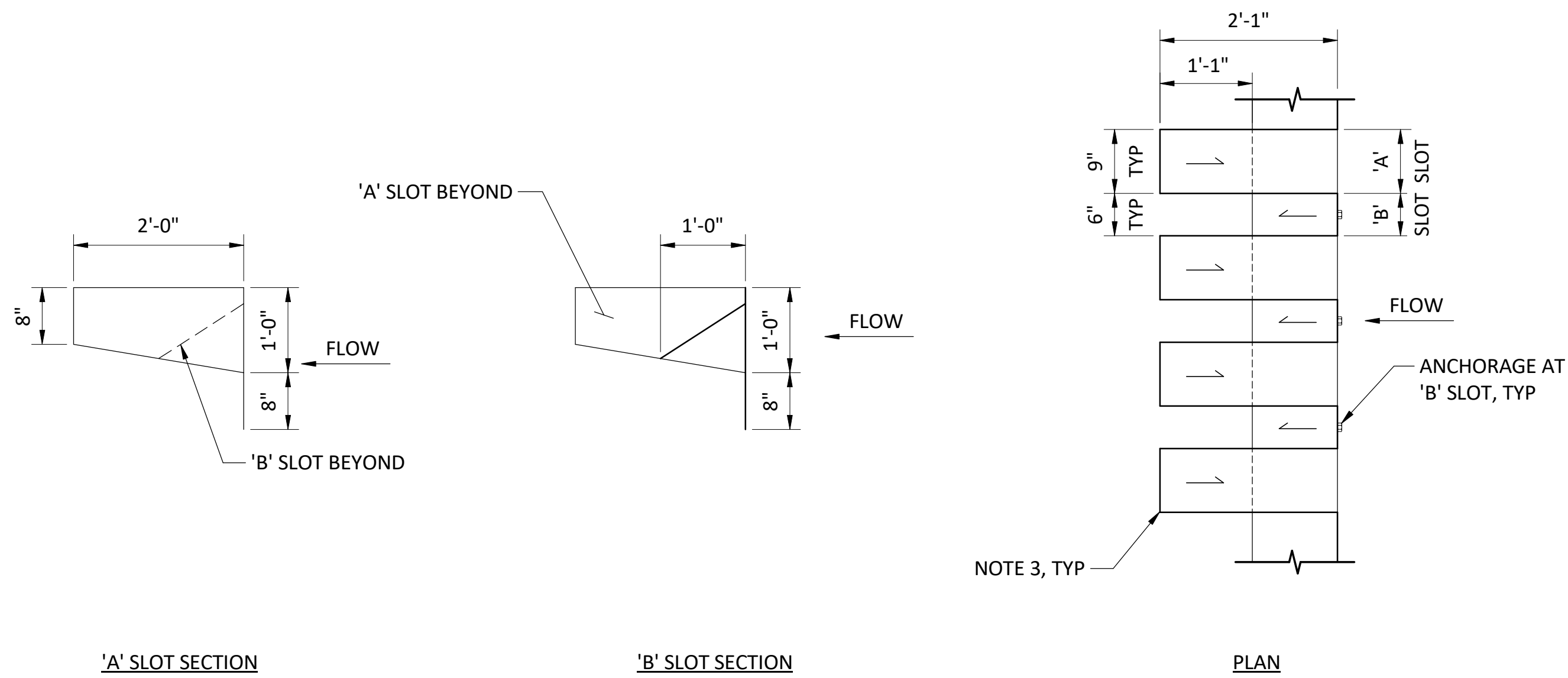
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TULALIP TRIBES	DESIGNED	AG	DRAWING
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	DRAWN	STN	2S-4
FLOW SPLITTING BOX MODIFICATIONS DETAILS 1	CHECKED	ST	
	ISSUED DATE	06/29/26	Page 52 of 161



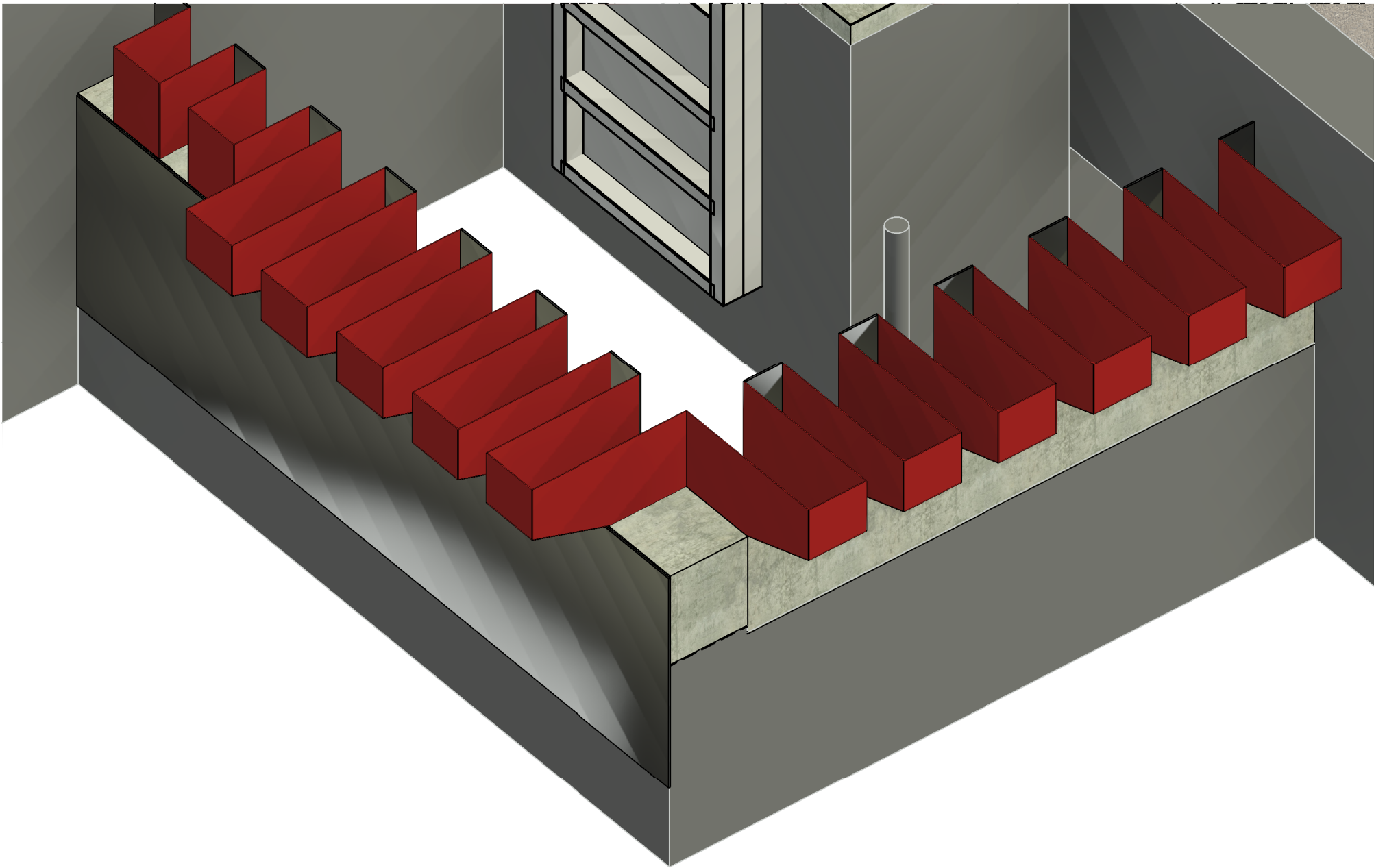
1 FINGER WEIR ASSEMBLY INSTALLATION DETAIL
2S-2 SCALE: 1" = 1'-0"



2 FINGER WEIR FABRICATION DETAIL
SCALE: 3/4" = 1'-0"

GENERAL SHEET NOTE

1. FINGER WEIR ASSEMBLY SHALL BE FABRICATED ENTIRELY FROM TYPE 304 STAINLESS STEEL.
2. ROUND ALL EDGES TO 1/16". REMOVE ANY BURRS AND IRREGULARITIES.
3. FABRICATE JOINTS AND CORNERS OF THE FINGER WEIR ASSEMBLY USING ONE OF THE FOLLOWING OPTIONS:
A. OPTION 1: BEND PLATE AT INSIDE RADIUS EQUAL TO THE PLATE THICKNESS.
B. OPTION 2: SEAL WELD USING WELDS WITH AN EFFECTIVE THICKNESS EQUAL TO THICKNESS OF THE PLATE.
4. FIELD WELDS MAY BE INCORPORATED INTO THE FABRICATION AND INSTALLATION AS REQUIRED.
5. FINAL INSTALLATION MUST PROVIDE SEALED AND WATERTIGHT CONNECTION BETWEEN THE WEIR AND EXISTING WALLS.
6. INSTALL VINYL CAP ON EXPOSED THREADS OF ANCHOR BOLTS.



ISOMETRIC VIEW OF FINGER WEIR

SCALE:

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

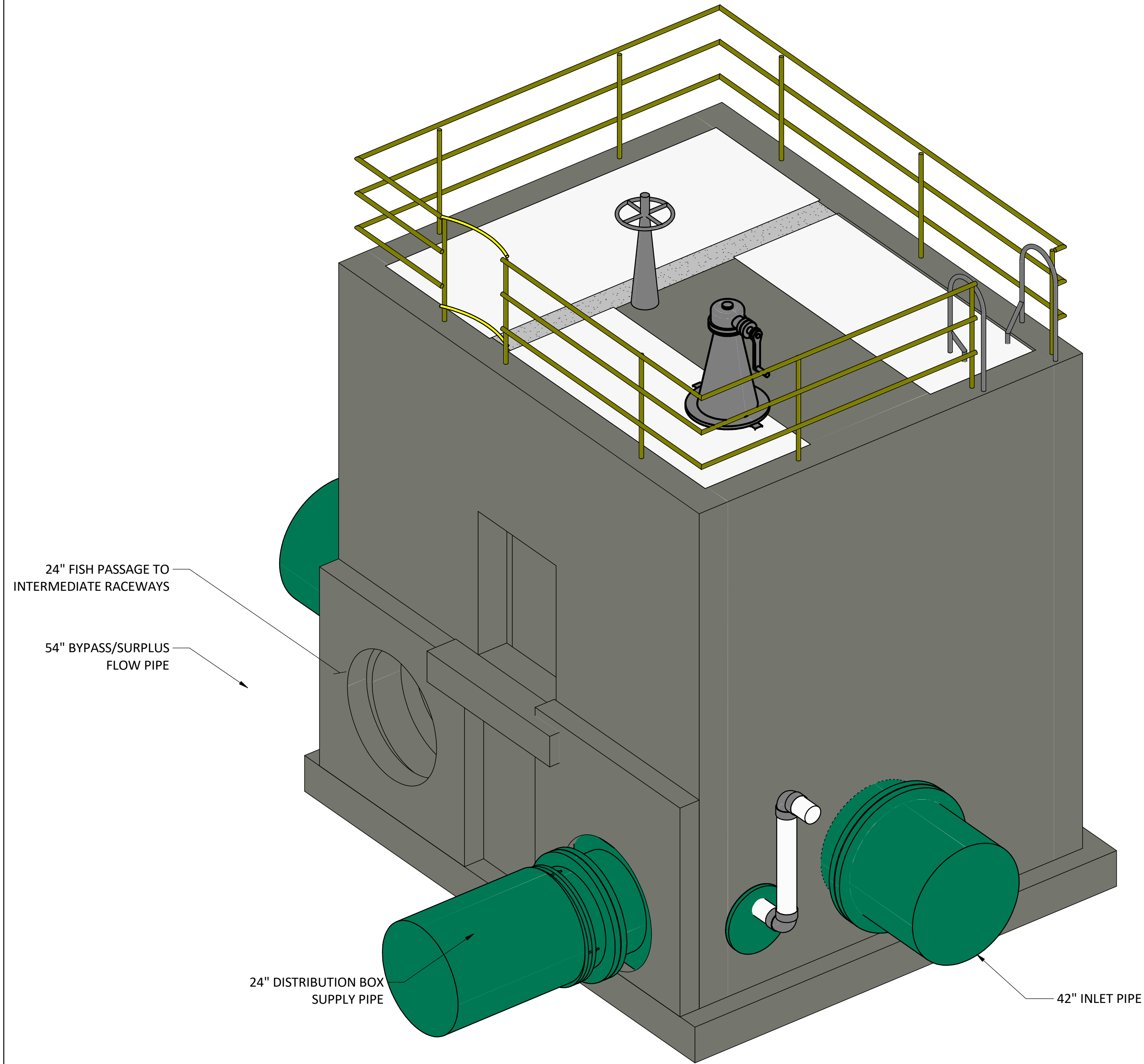
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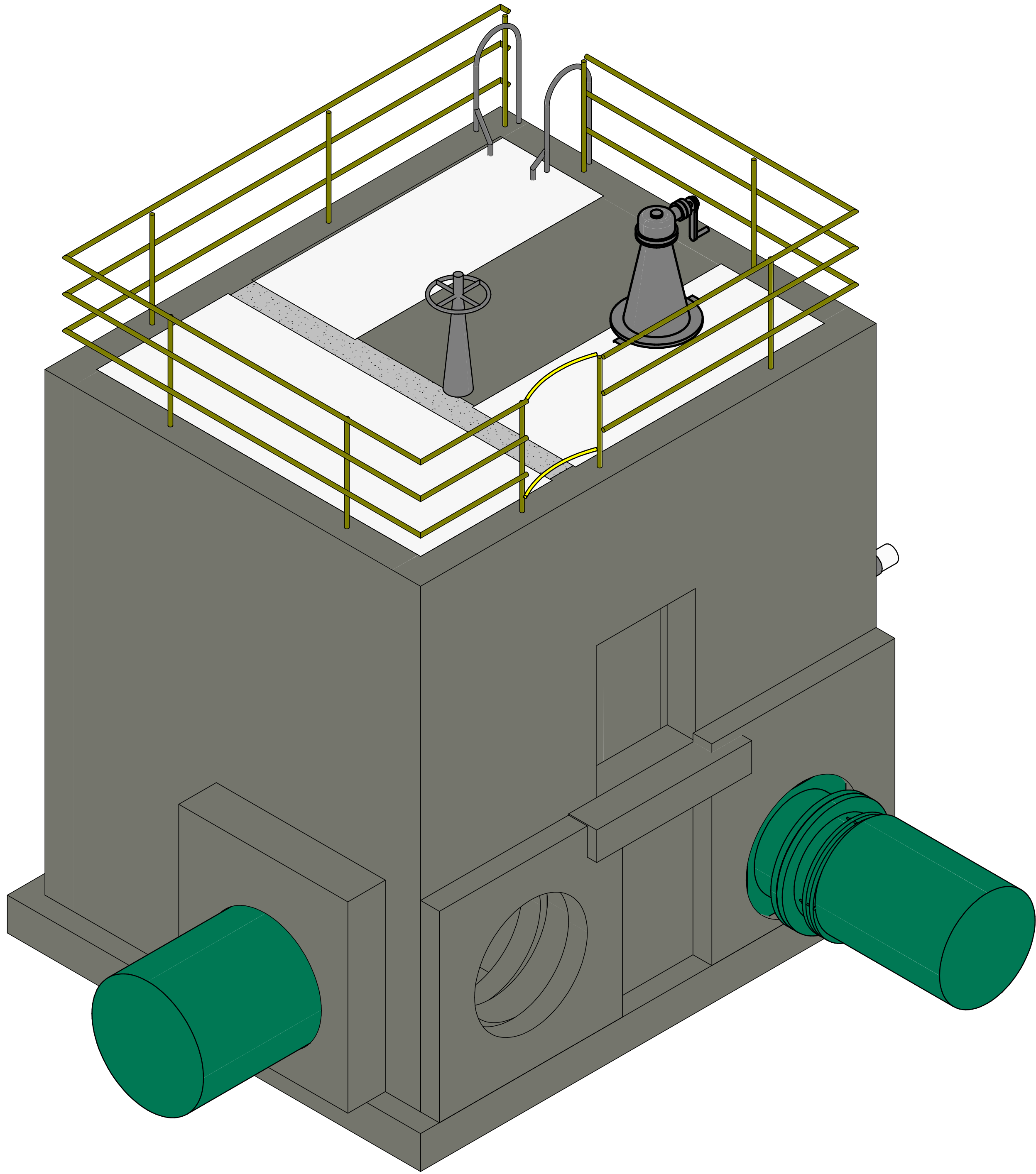


TULALIP TRIBES	DESIGNED AG	DRAWING 2S-5
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	DRAWN STN	
FLOW SPLITTING BOX MODIFICATIONS DETAILS 2	CHECKED ST	
	ISSUED DATE 06/29/26	



ISOMETRIC VIEW SOUTHWEST

SCALE:



ISOMETRIC VIEW SOUTHEAST

SCALE:

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REV	DATE	BY	DESCRIPTION

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NOT FOR CONSTRUCTION

WARNING

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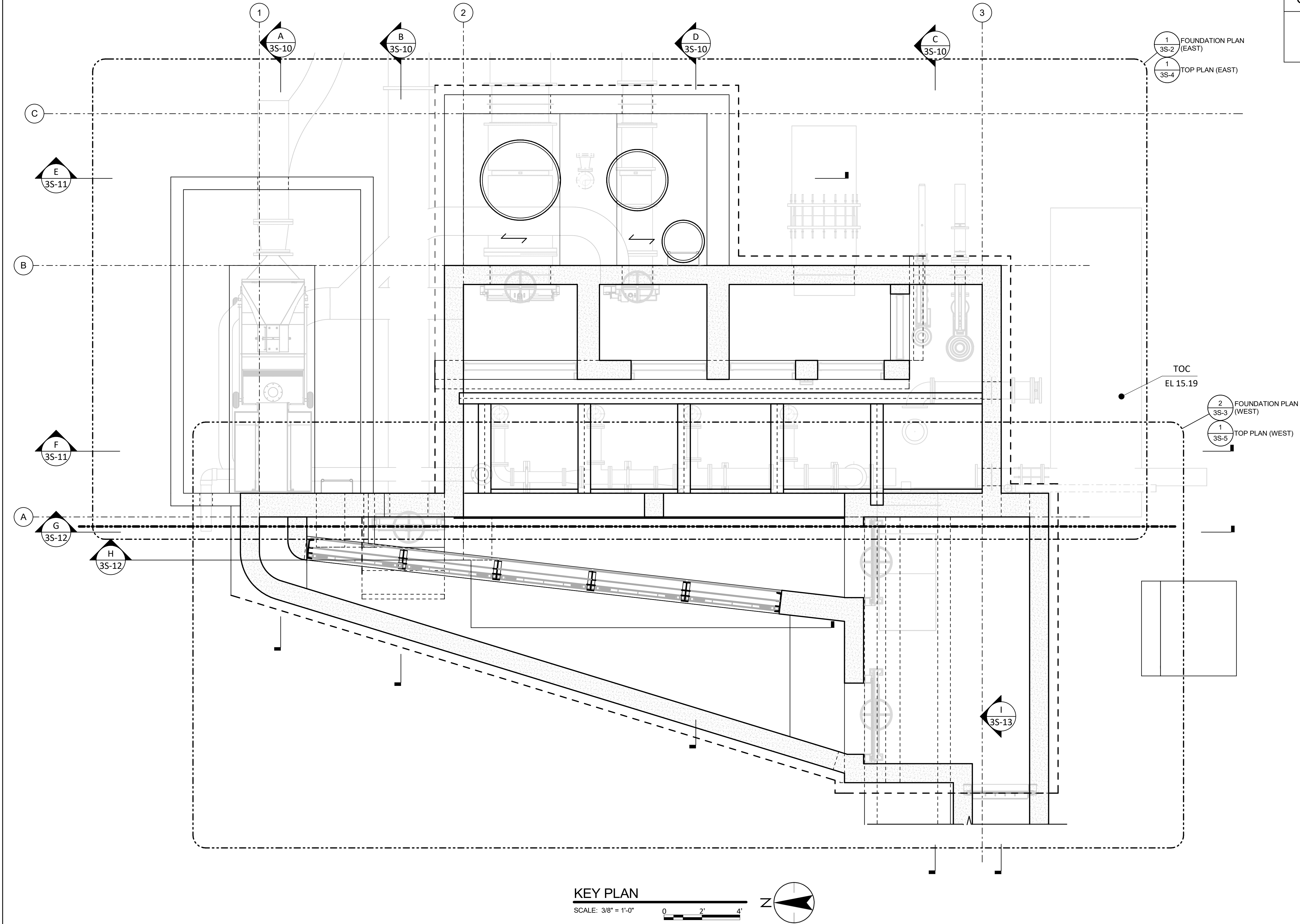
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TULALIP TRIBES	DESIGNED	AG	DRAWING
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	DRAWN	STN	2S-6
ISOMETRIC VIEW 1	CHECKED	ST	
	ISSUED DATE	06/29/26	Exhibit E.2 Page 54 of 161

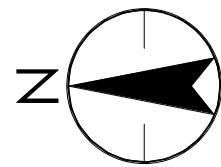
GENERAL SHEET NOTES

1. SEE 1C-1 DRAWING FOR THE LOCATION OF DISTRIBUTION BOX AND FLOW METER VAULT
2. SEE 3M SET DRAWINGS FOR PIPE ARRANGEMENT



KEY PLAN

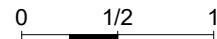
SCALE: 3/8" = 1'-0"



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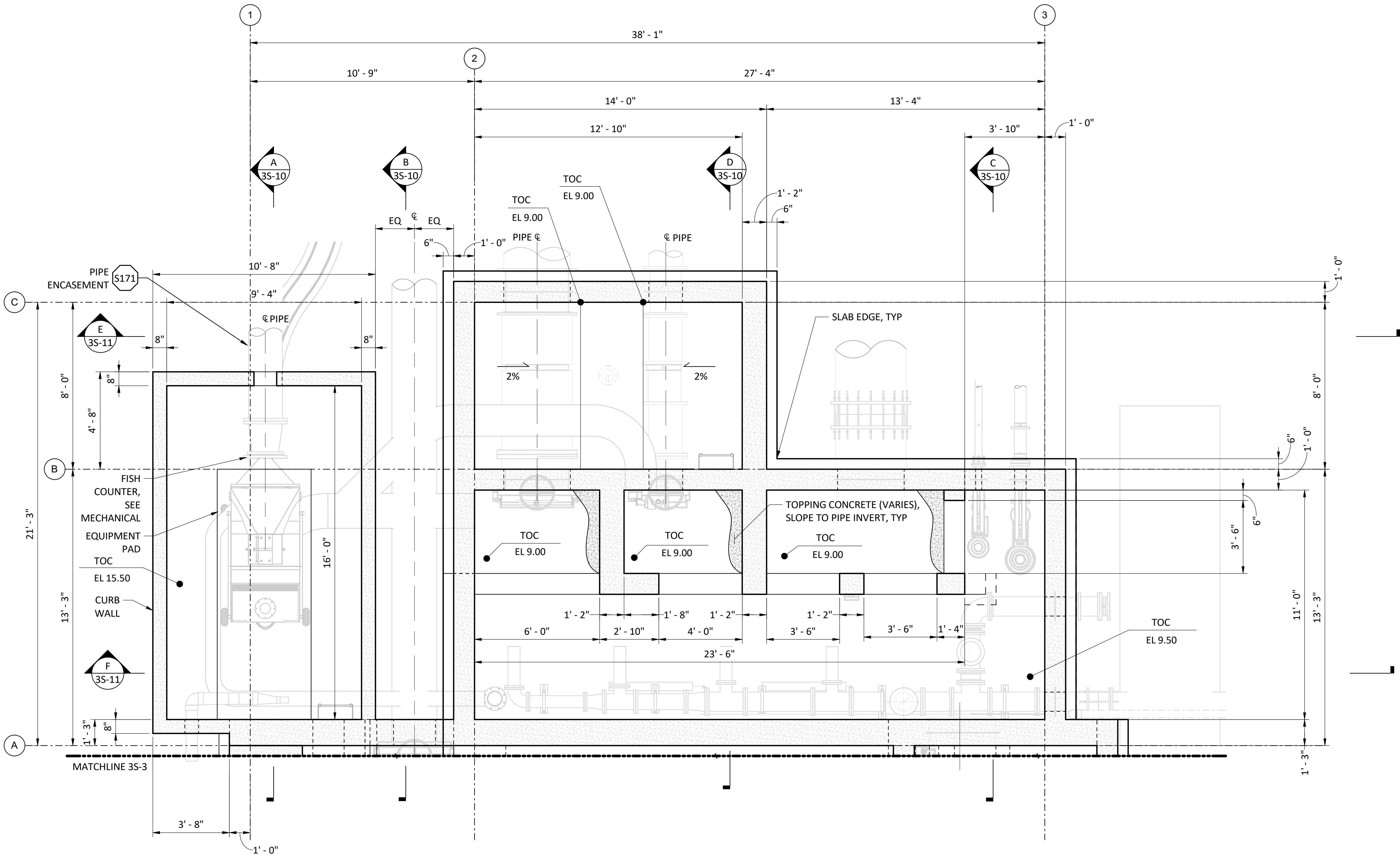
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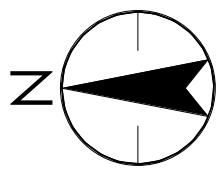


TULALIP TRIBES		DRAWING 3S-1
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT		
DISTRIBUTION BOX AND FLOW METER VAULT KEY PLAN		
DESIGNED	S. KORDZIEL	
DRAWN	E. BOWEN	Exhibit E-2 Page 55 of 161 Exhibit E-2 Page 55 of 161
CHECKED	T. PETTY	
ISSUED DATE	06/29/2026	



PARTIAL FOUNDATION PLAN (EAST)

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



A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

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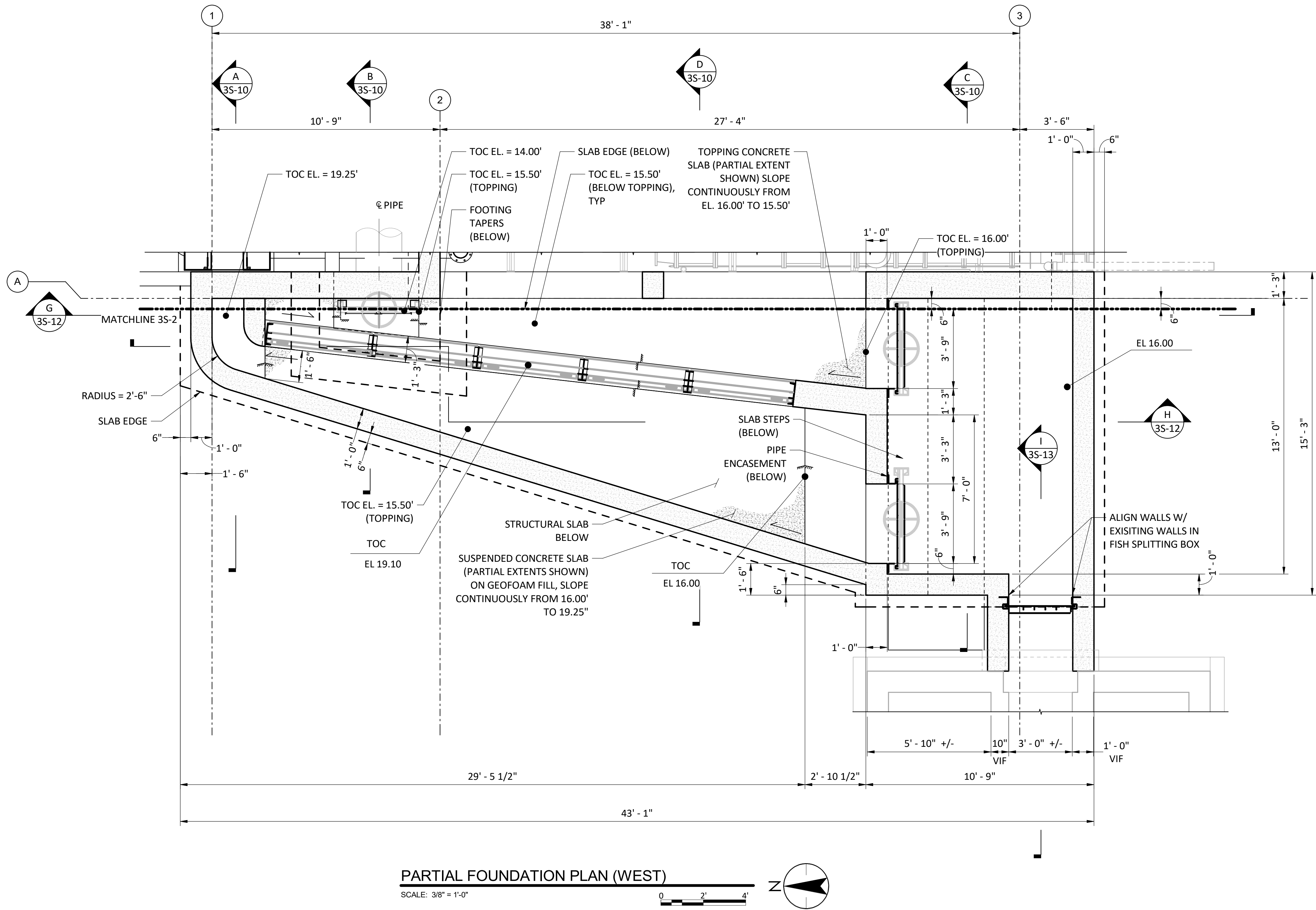
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TULALIP TRIBES		DESIGNED <u>S. KORDZIEL</u>	DRAWING 3S-2
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT		DRAWN <u>E. BOWEN</u>	
DISTRIBUTION BOX AND FLOW METER PARTIAL FOUNDATION PLAN (EAST)		CHECKED <u>T. PETTY</u>	
		ISSUED DATE <u>06/29/2026</u>	



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REV	DATE	BY	DESCRIPTION

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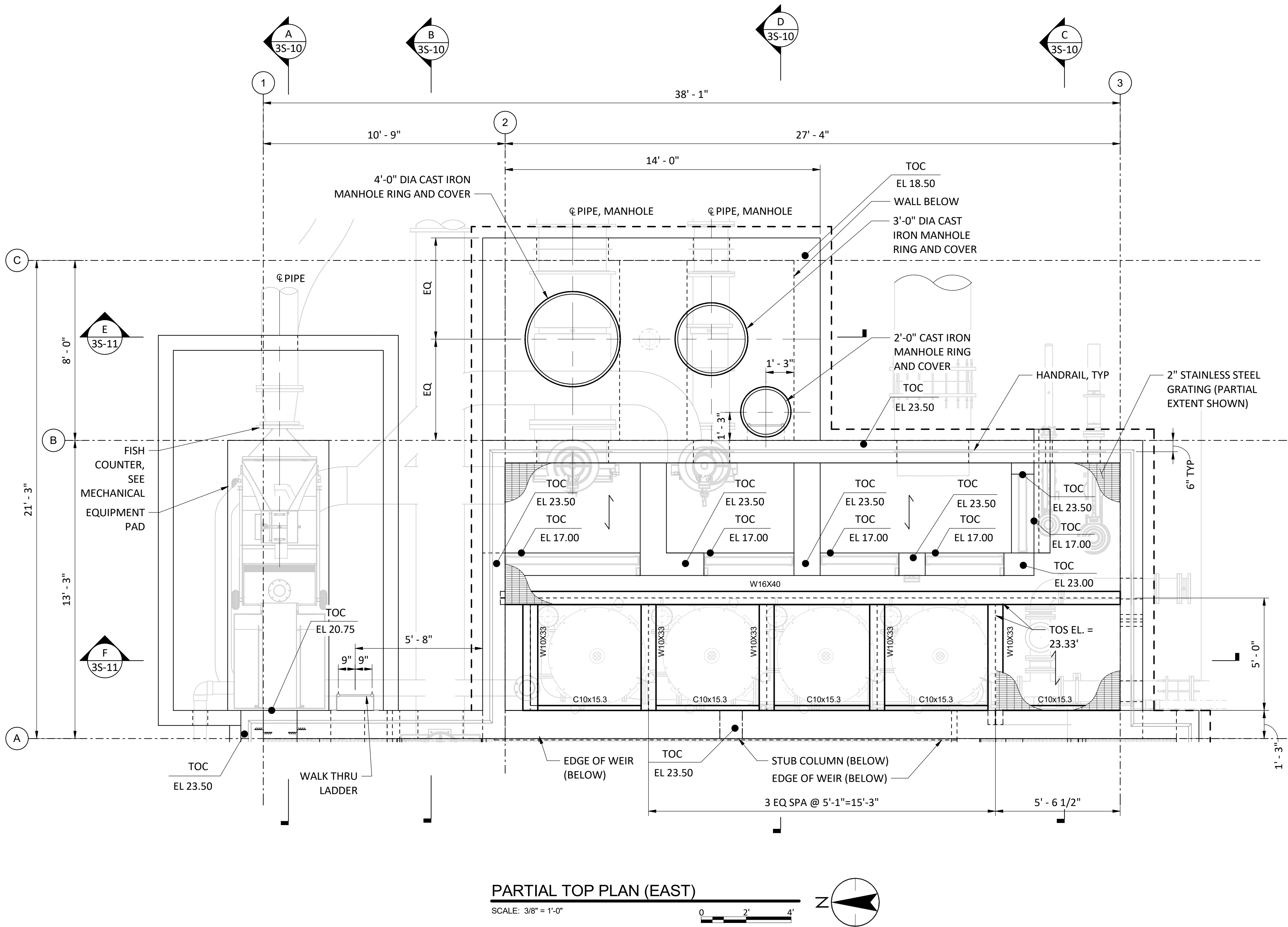
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TULALIP TRIBES	DESIGNED S. KORDZIEL	DRAWING
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	DRAWN E. BOWEN	3S-3
DISTRIBUTION BOX AND FLOW METER PARTIAL FOUNDATION PLAN (WEST)	CHECKED T. PETTY	
	ISSUED DATE 06/29/26	

GENERAL SHEET NOTES

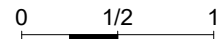
1. FLOW METER VAULT LID SHALL BE INSTALLED 1/2" ABOVE SURROUNDING GRADE.



A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING



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TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT

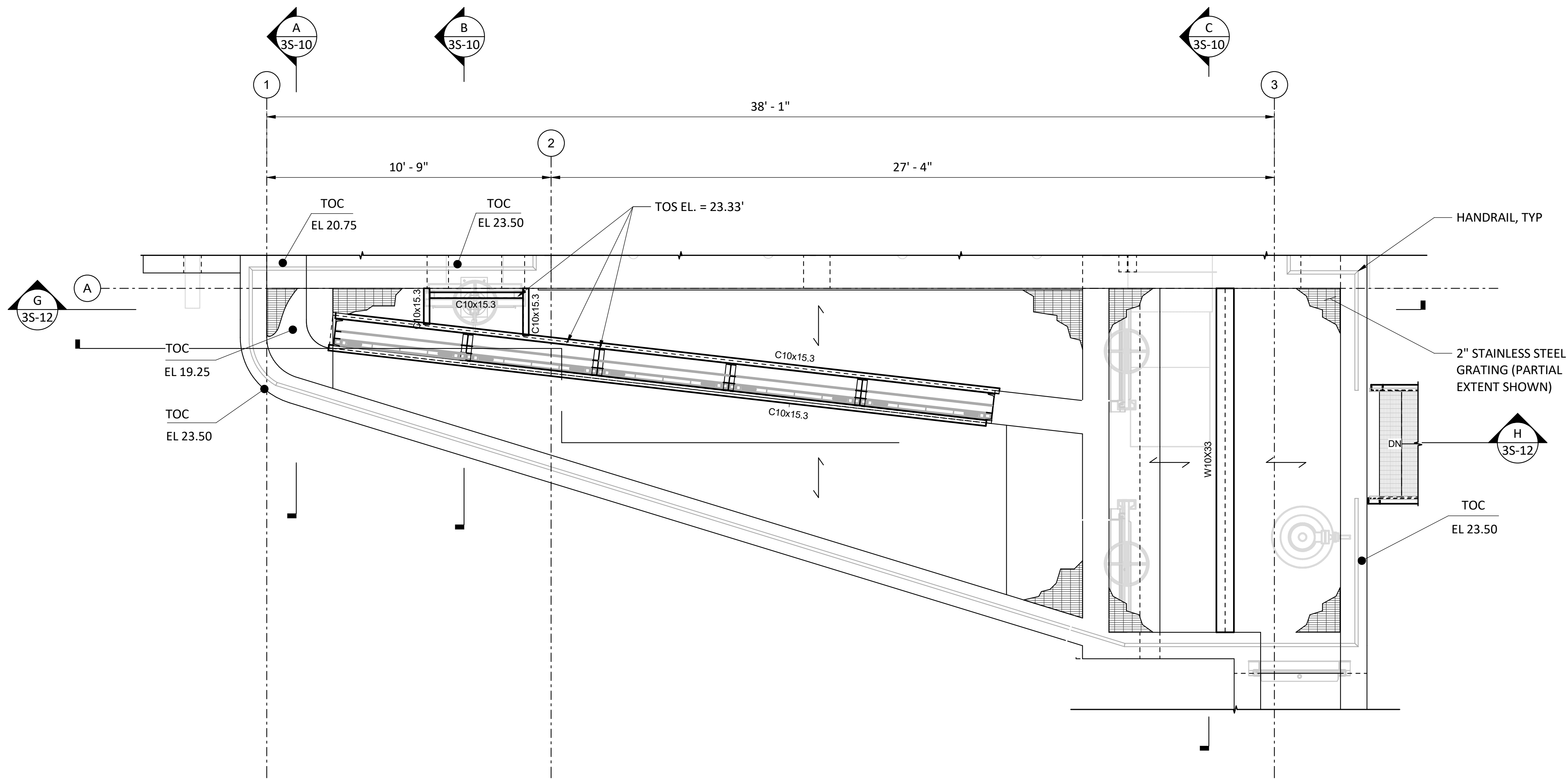
DISTRIBUTION BOX AND
FLOW METER PARTIAL
TOP PLAN (EAST)

DESIGNED S. KORDZIEL
DRAWN E. BOWEN
CHECKED T. PETTY
ISSUED DATE 06/29/26

DRAWING

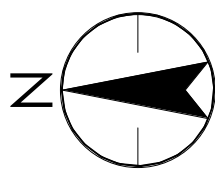
3S-4

Exhibit E.2 Page 58 of 161
Exhibit E.2 Page 58 of 161



PARTIAL TOP PLAN (WEST)

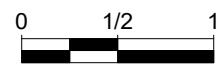
SCALE: 3/8" = 1'-0"



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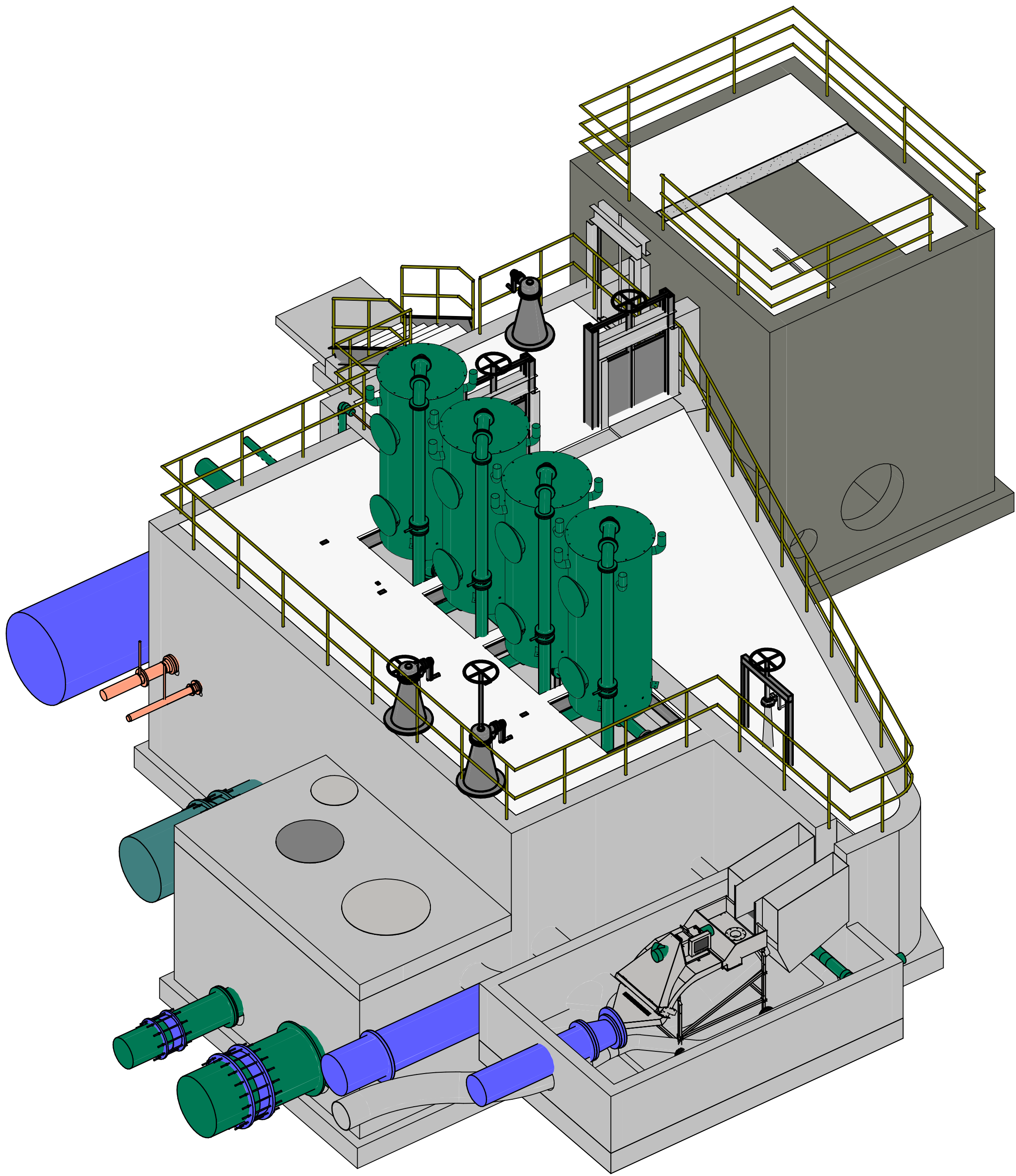


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TULALIP TRIBES		DESIGNED <u>S. KORDZIEL</u> DRAWN <u>E. BOWEN</u> CHECKED <u>T. PETTY</u> ISSUED DATE <u>06/29/2026</u>	DRAWING 3S-5
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT			
DISTRIBUTION BOX AND FLOW METER PARTIAL TOP PLAN (WEST)			

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1 ISOMETRIC VIEW
SCALE: _____

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

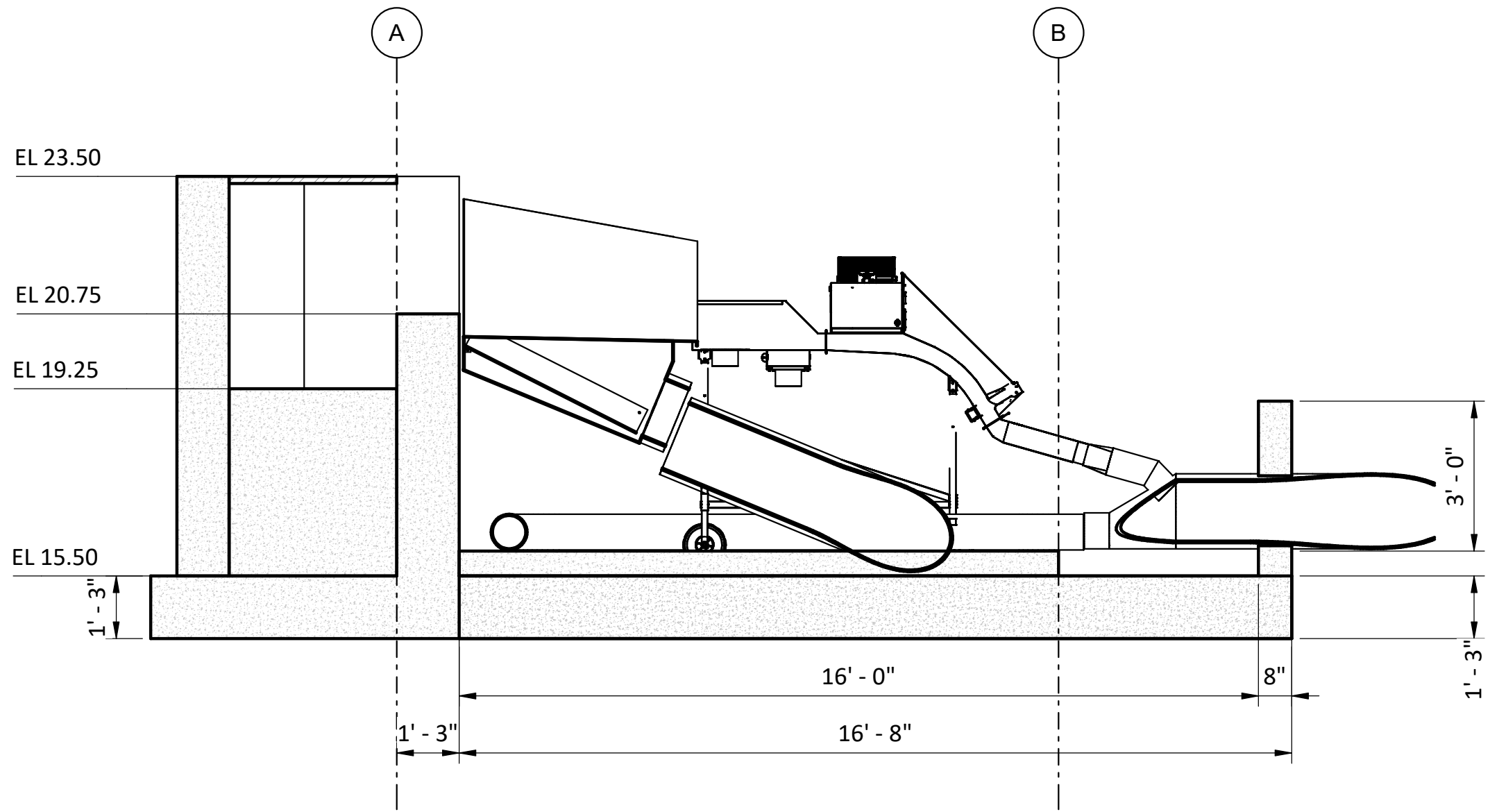
PRELIMINARY
NOT FOR CONSTRUCTION

WARNING

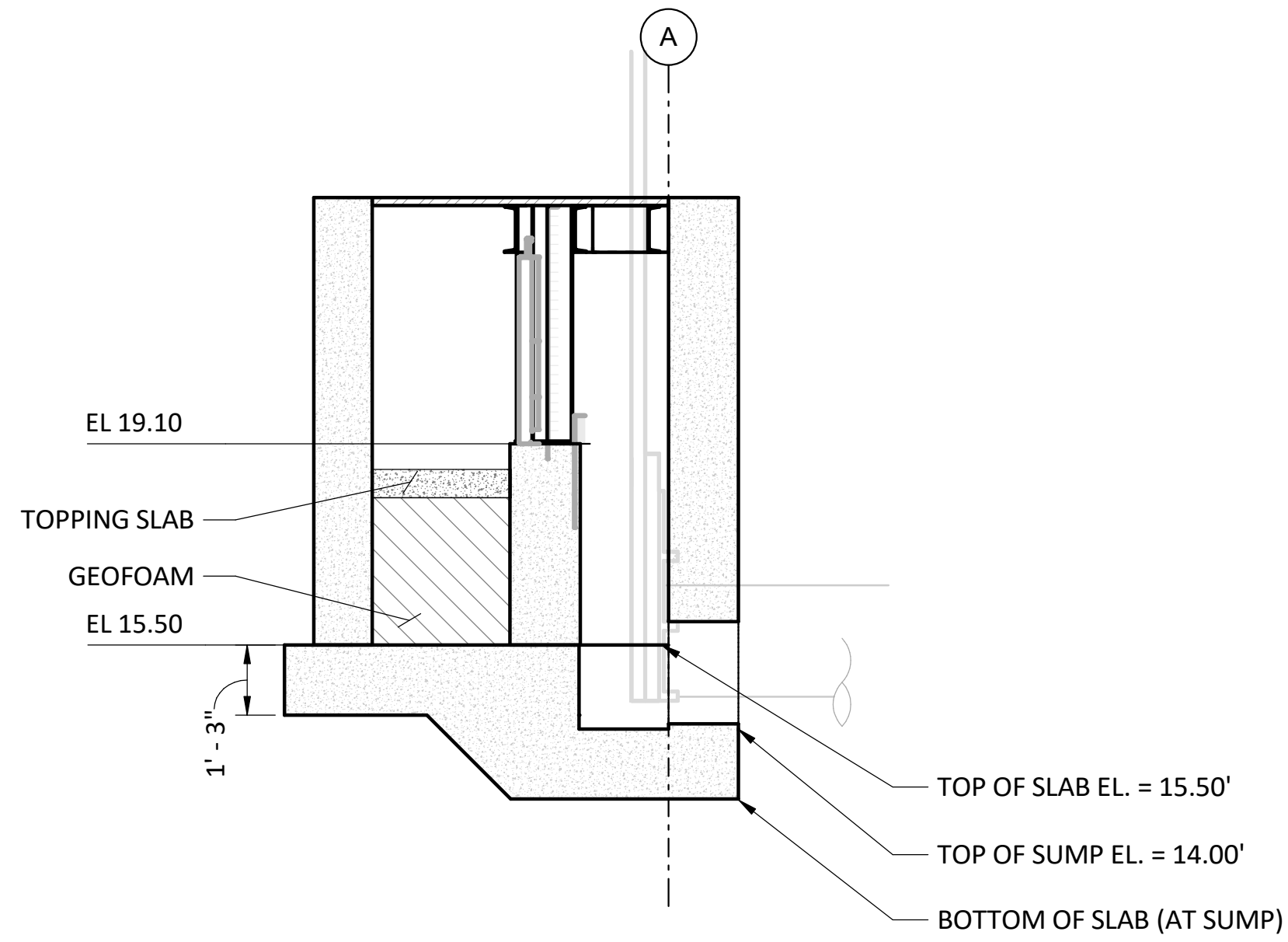
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IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



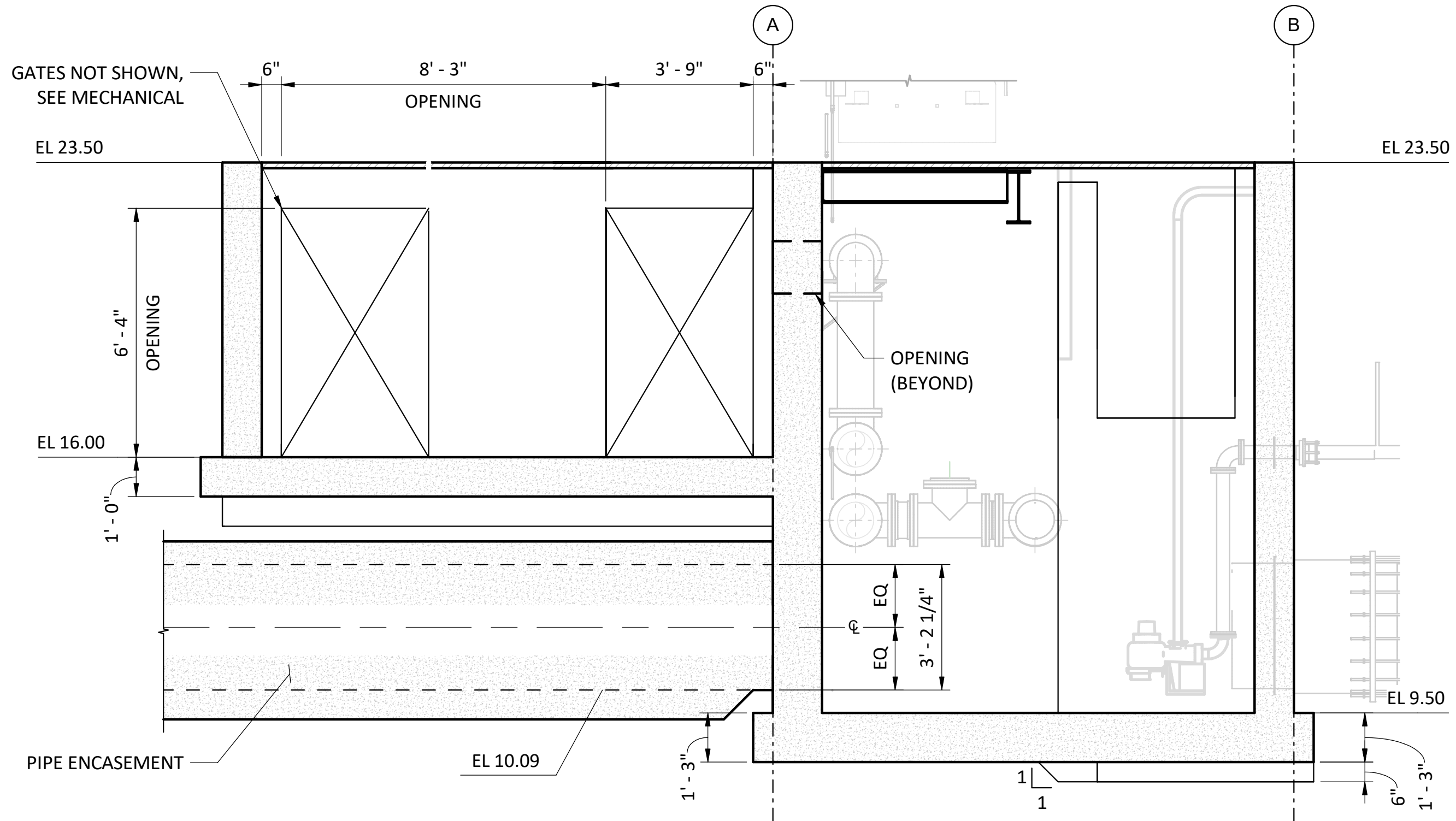
TULALIP TRIBES	DESIGNED S. KORDZIEL	DRAWING
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	DRAWN E. BOWEN	3S-9
ISOMETRIC VIEW	CHECKED T. PETTY	
	ISSUED DATE 06/29/26	Exhibit E-2 Page 60 of 161



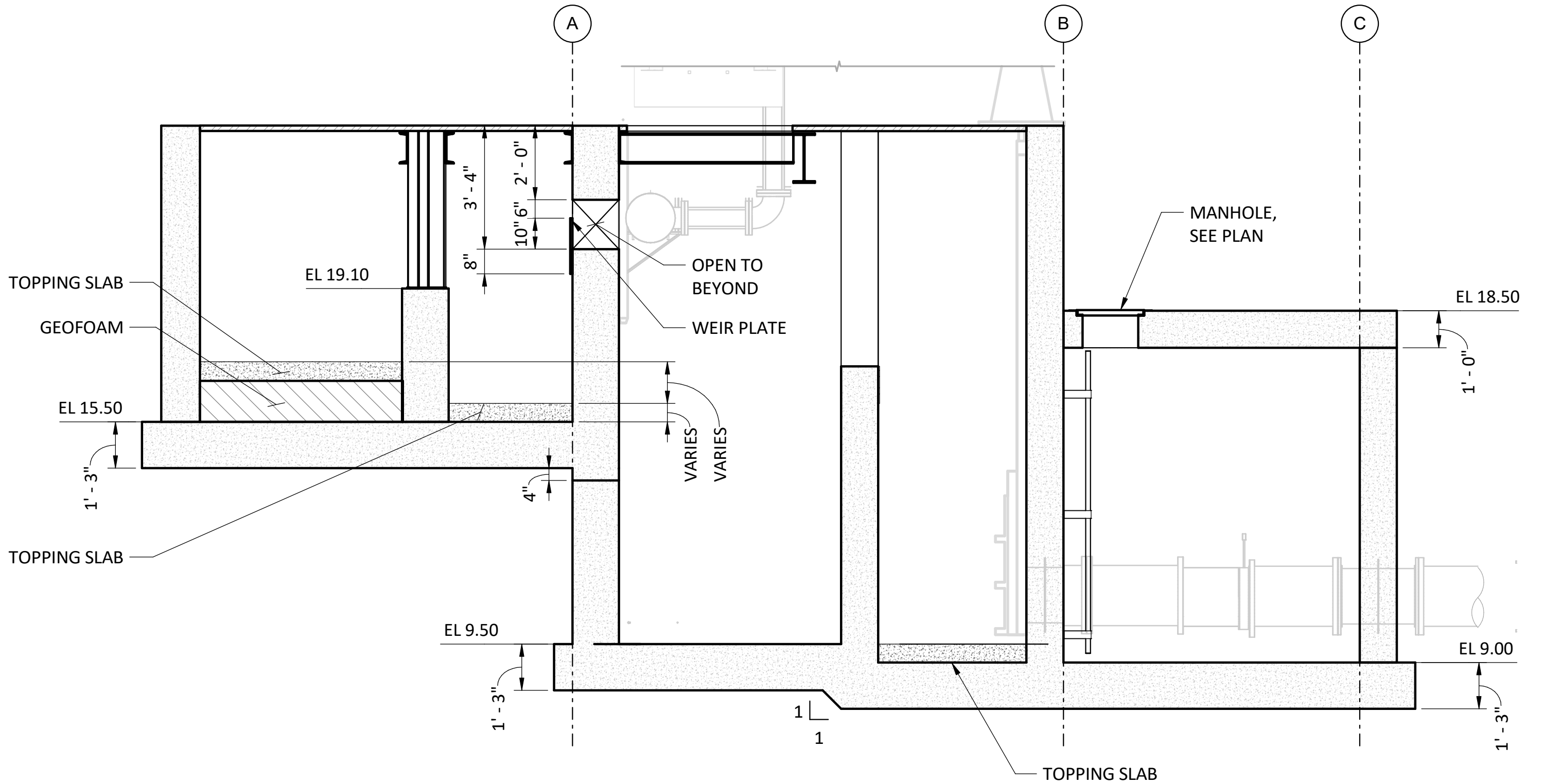
A
SECTION
3S-1 SCALE: 3/8" = 1'-0" 0 2' 4'



B
SECTION
3S-1 SCALE: 3/8" = 1'-0" 0 2' 4'



C
SECTION
3S-1 SCALE: 3/8" = 1'-0" 0 2' 4'



D
SECTION
3S-1 SCALE: 3/8" = 1'-0" 0 2' 4'

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

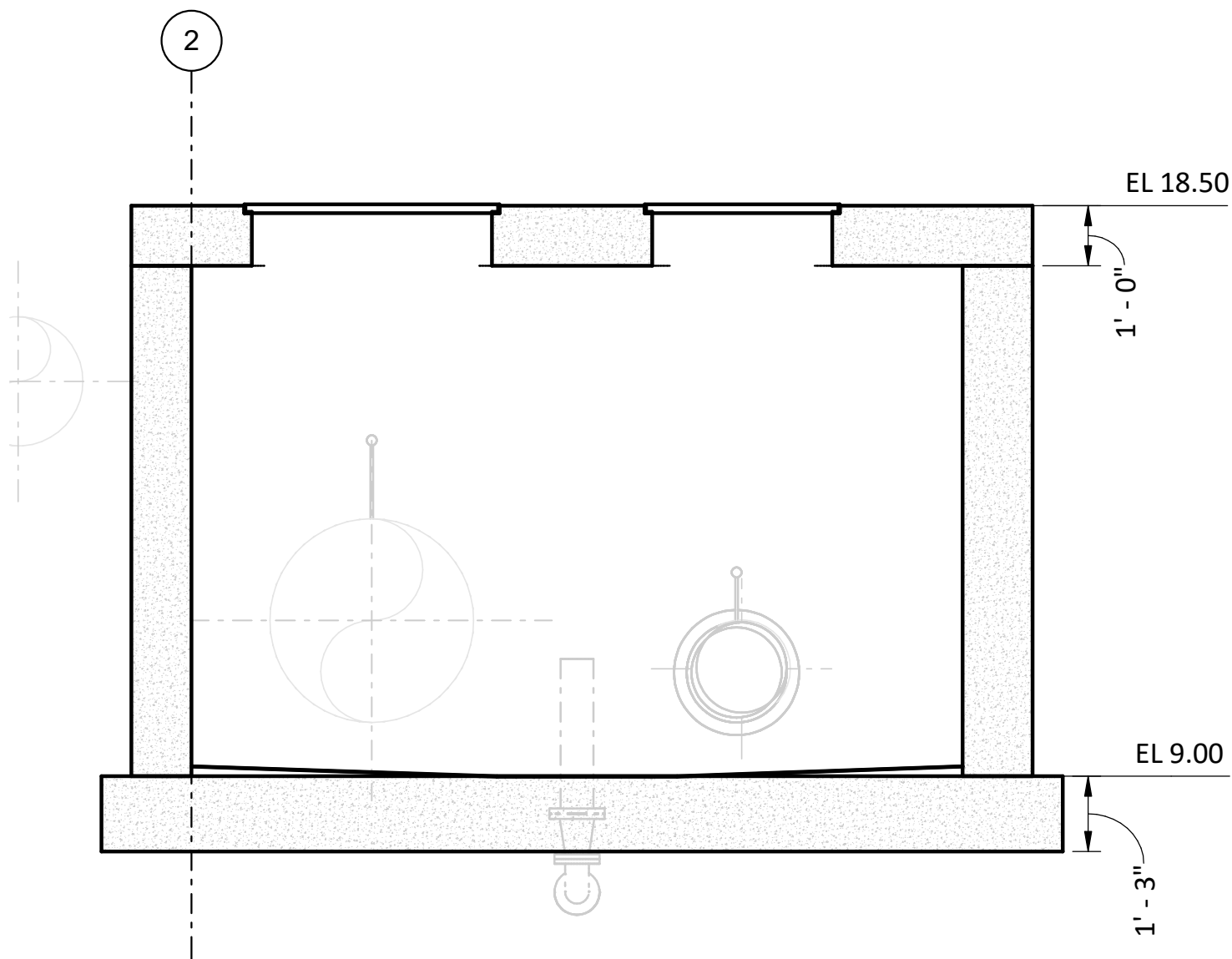
WARNING
0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



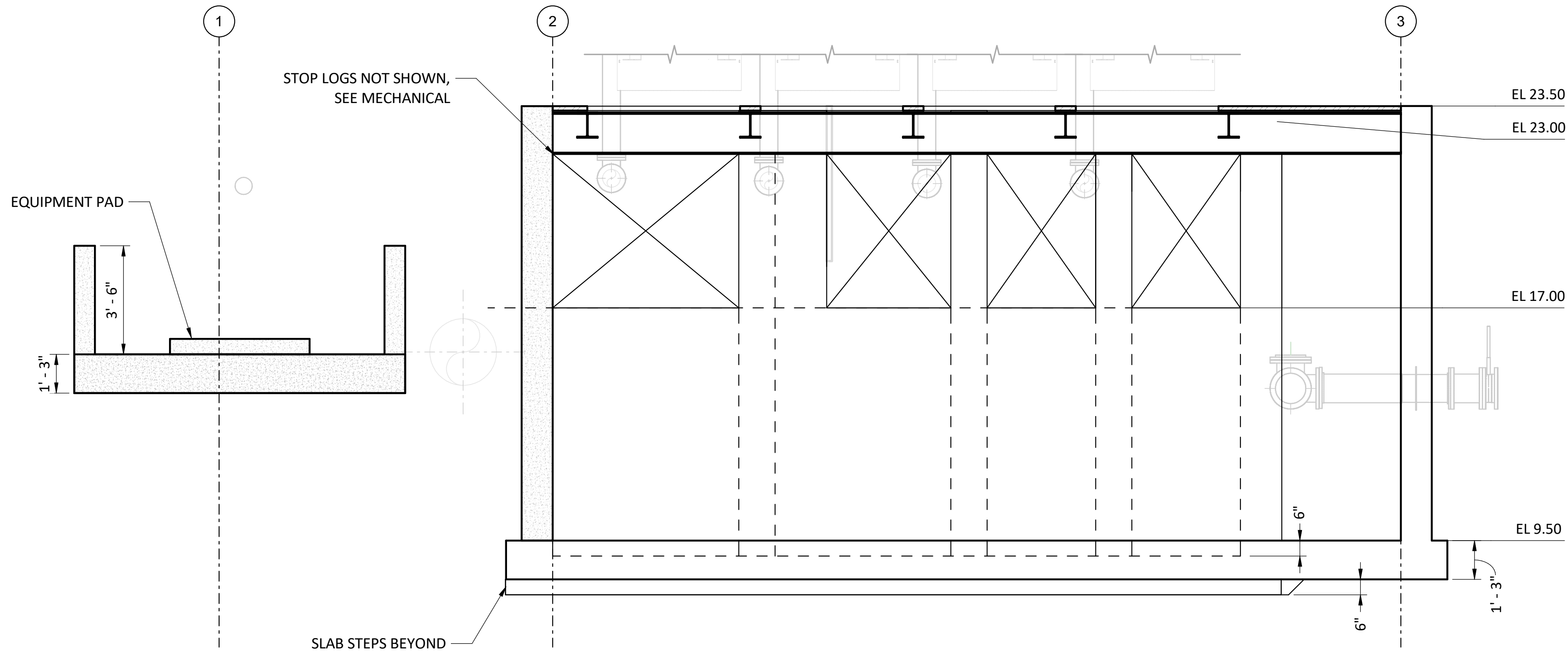
TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT
DISTRIBUTION BOX
AND FLOW METER
E/W SECTIONS 1

DESIGNED S. KORDZIEL
DRAWN E. BOWEN
CHECKED T. PETTY
ISSUED DATE 06/29/26

DRAWING
3S-10



E
SECTION
3S-1 SCALE: 3/8" = 1'-0" 0 2' 4'



F
SECTION
3S-1 SCALE: 3/8" = 1'-0" 0 2' 4'

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

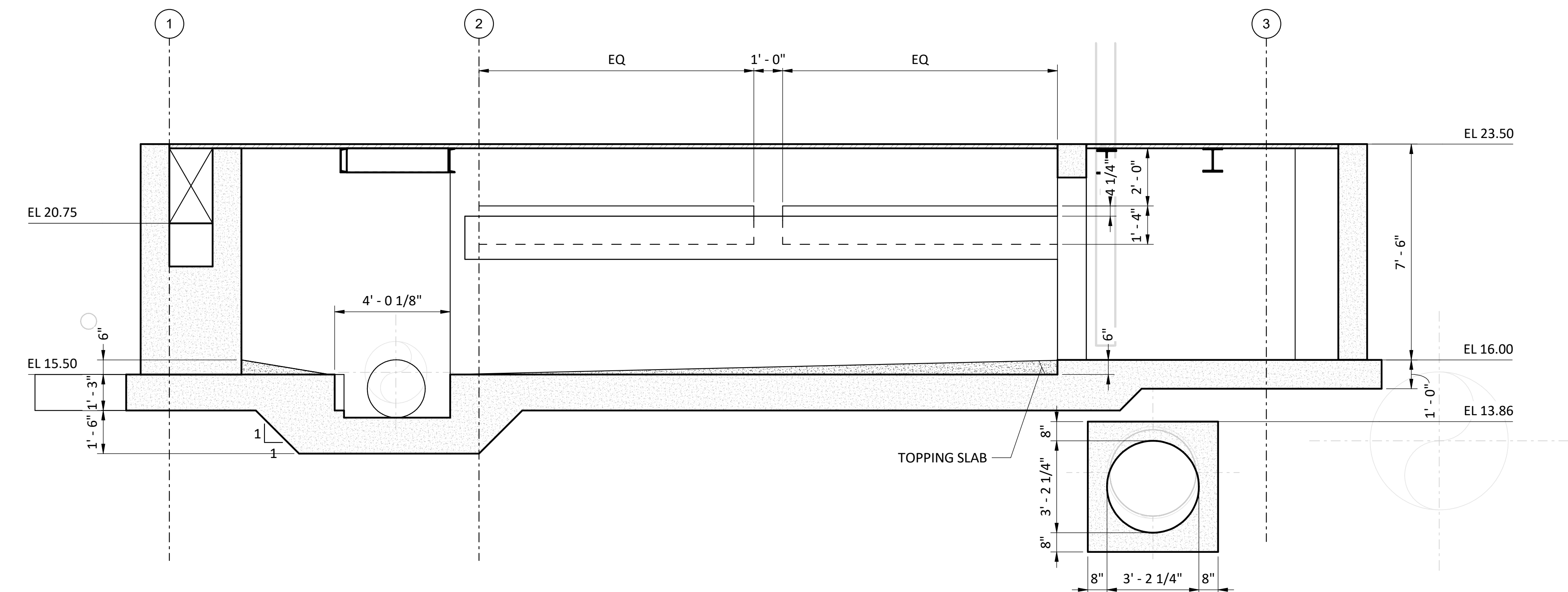
WARNING
0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



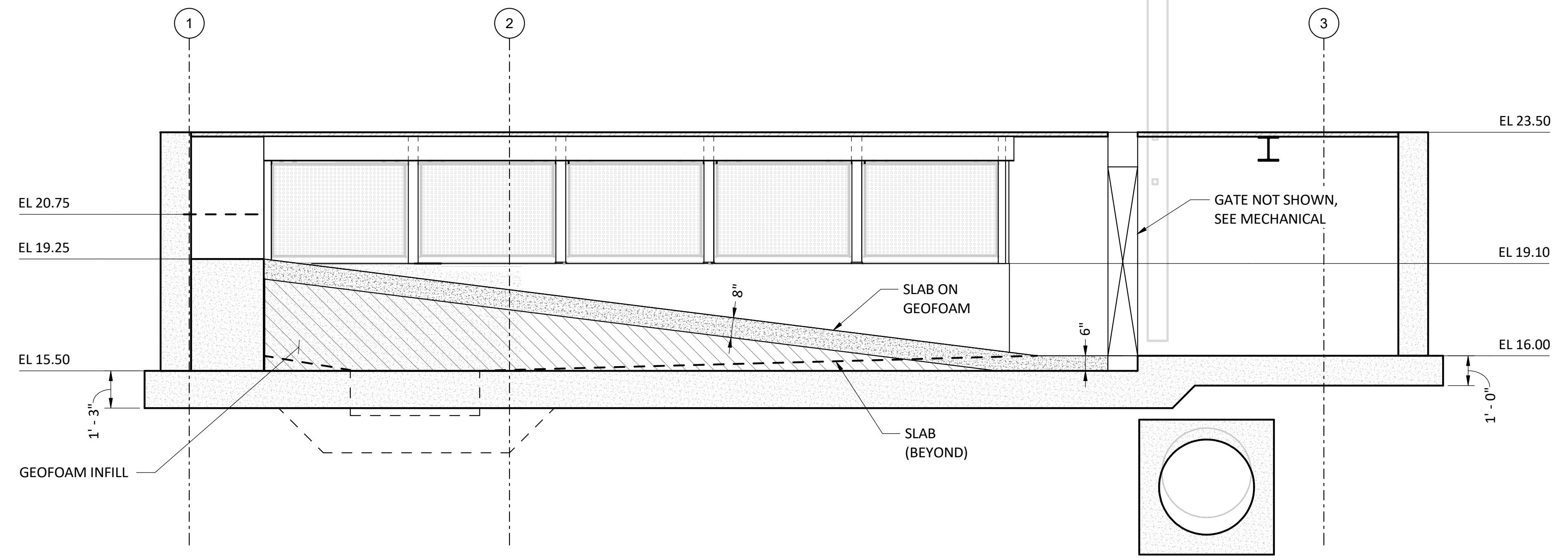
TULALIP TRIBES		DESIGNED _____ S. KORDZIEL	DRAWING		
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT				DRAWN _____ E. BOWEN	
DISTRIBUTION BOX AND FLOW METER N/S SECTIONS - 1					CHECKED _____ T. PETTY
		3S-11			

Exhibit E-2 Page 62 of 161

Exhibit E-2 Page 62 of 161



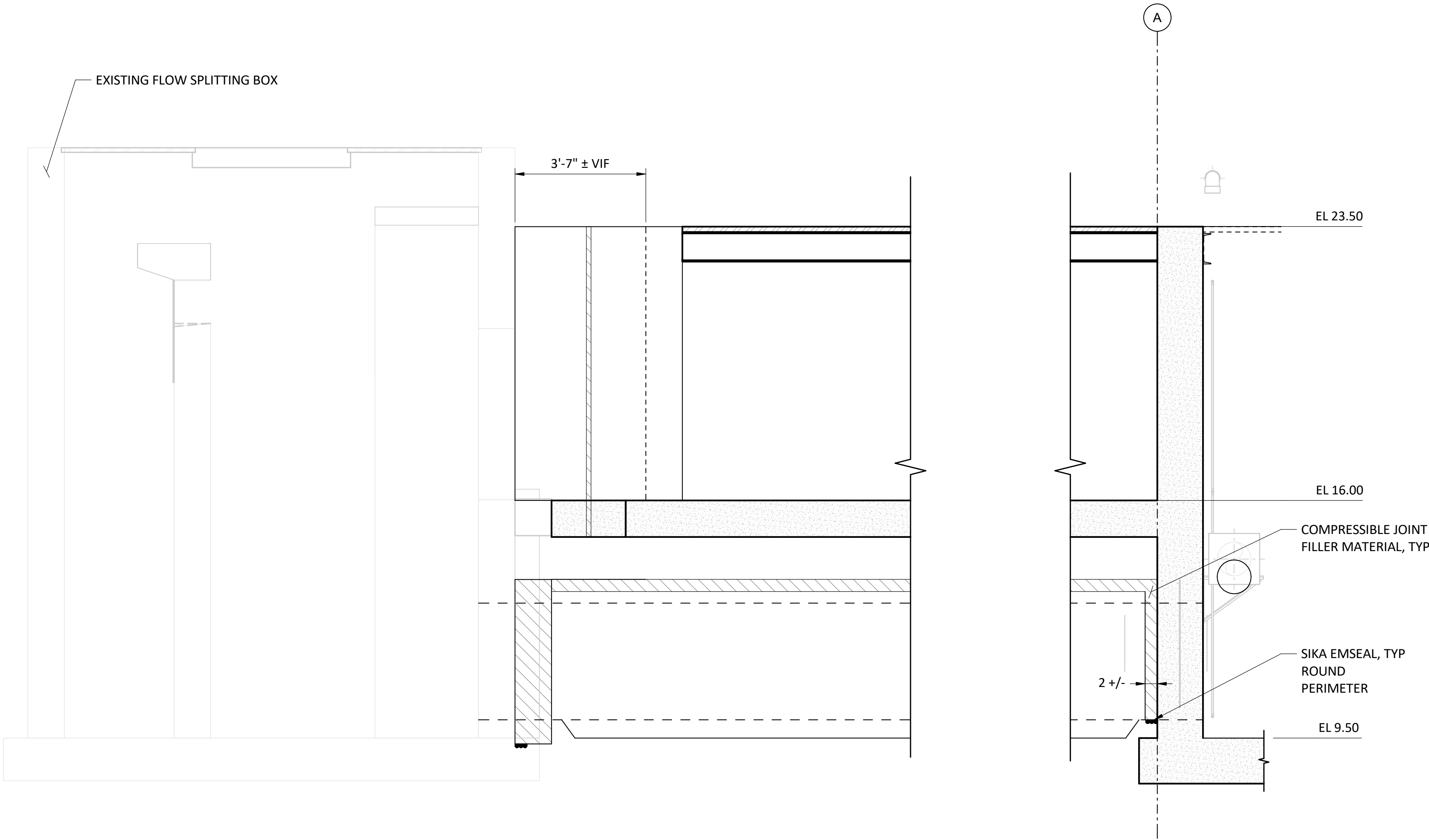
G
SECTION
SCALE: 3/8" = 1'-0"
0 2' 4'



H
SECTION
SCALE: 3/8" = 1'-0"
0 2' 4'

				PRELIMINARY NOT FOR CONSTRUCTION	WARNING 01/21 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.	McMillen 1471 Shoreline Dr. Ste 100 • Boise, ID 83702 (208) 342-4214 mcmillen.com	TULALIP TRIBES	TULALIP TRIBES		DESIGNED <u>S. KORDZIEL</u>	DRAWING 3S-12									
								TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT												
								DISTRIBUTION BOX AND FLOW METER N/S SECTIONS - 2												
								GATE NOT SHOWN, SEE MECHANICAL												
A	06/29/26	RM	PRE-FINAL DESIGN																	
REV	DATE	BY	DESCRIPTION																	

ISSUED DATE Exhibit F 2</



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

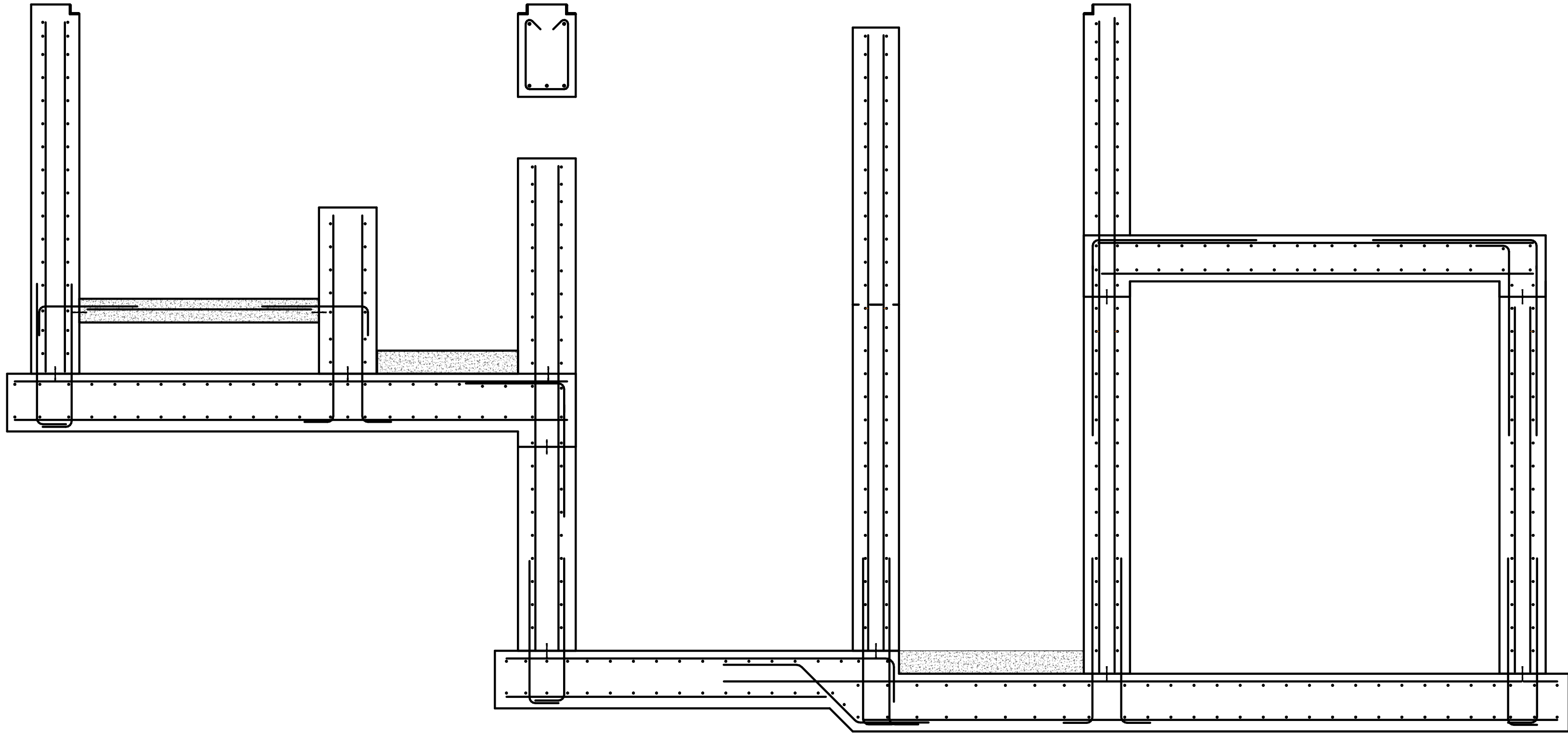
A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

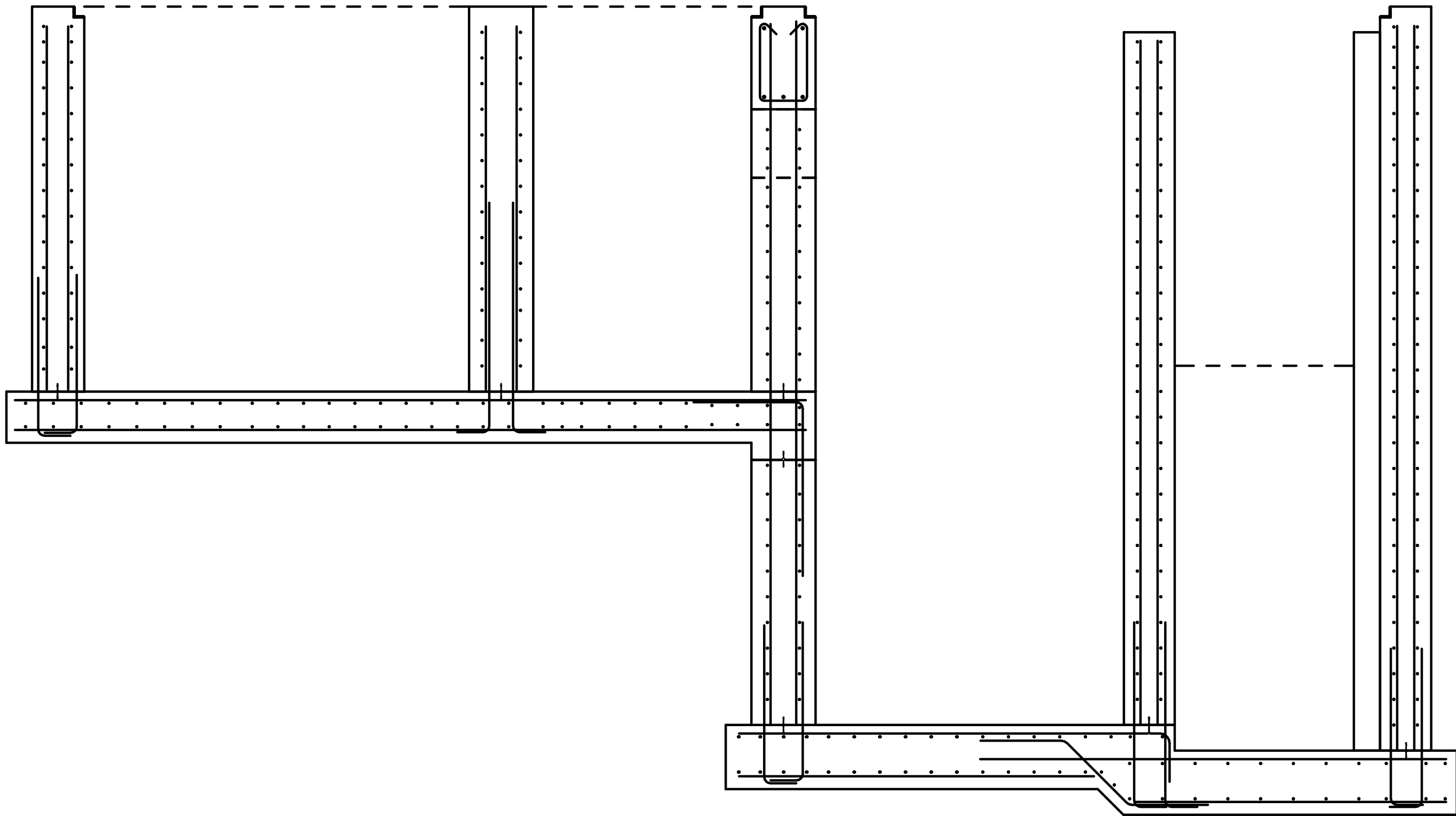
WARNING
0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



TULALIP TRIBES	DESIGNED S. KORDZIEL	DRAWING
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	DRAWN E. BOWEN	3S-13
DISTRIBUTION BOX AND FLOW METER FLOW SPLITTING BOX INTERFACE	CHECKED T. PETTY	
	ISSUED DATE 06/29/26	Exhibit E 2 Page 64 of 161



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



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

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

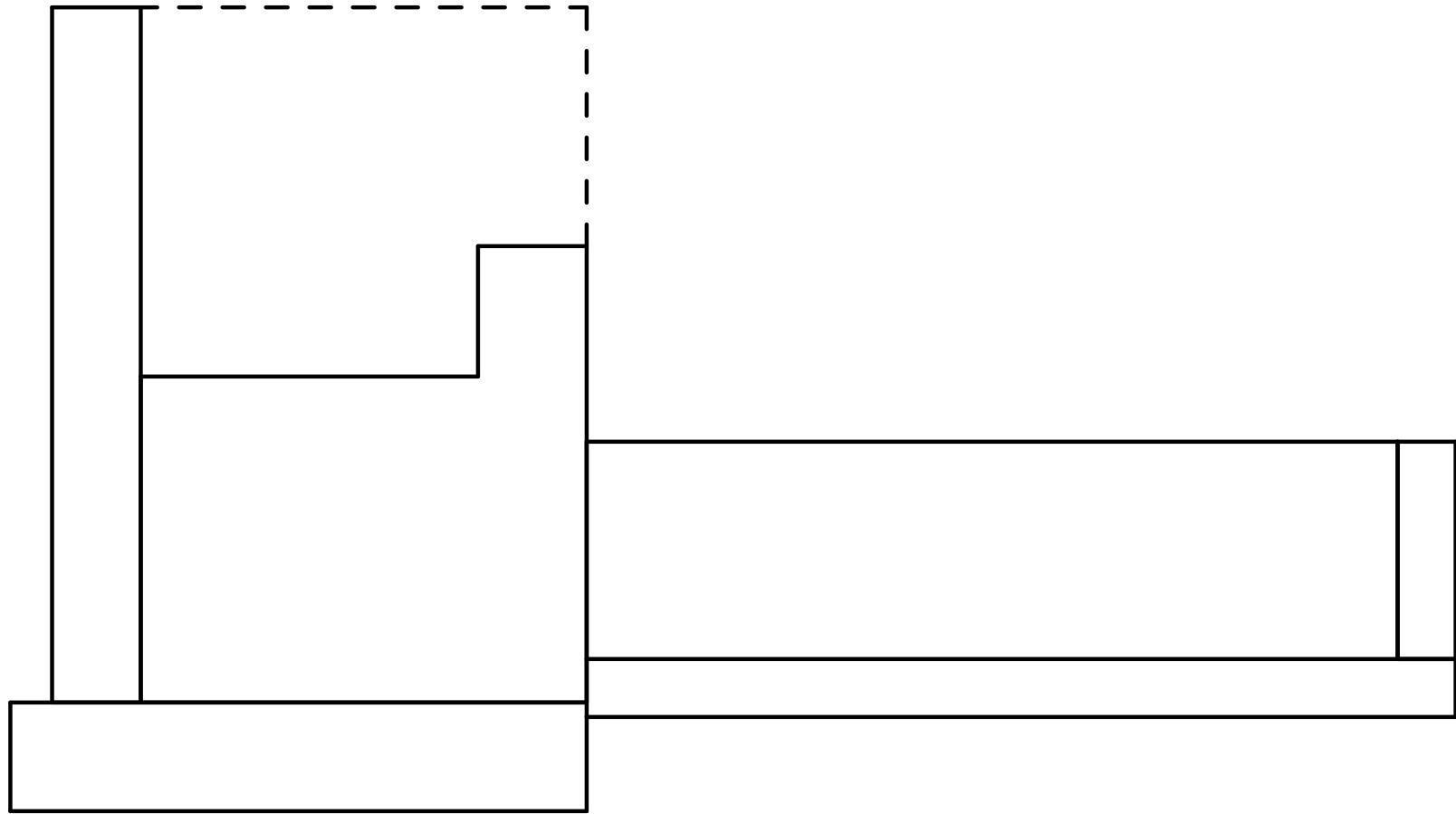
PRELIMINARY
NOT FOR CONSTRUCTION

WARNING

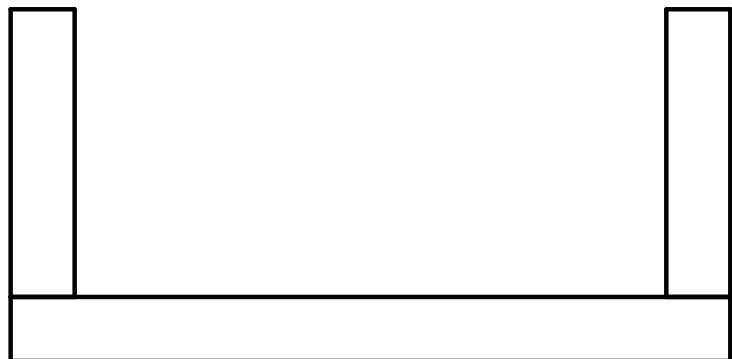
0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



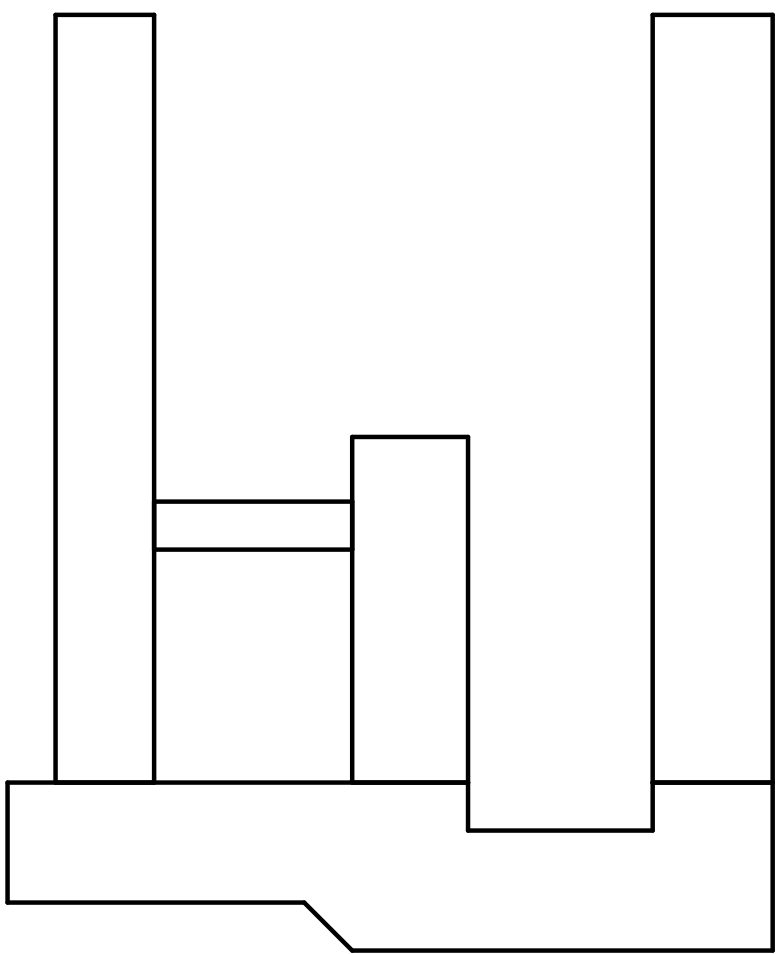
TULALIP TRIBES	DESIGNED S. KORDZIEL	DRAWING
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	DRAWN E. BOWEN	3S-20
REINFORCING DETAILS - 1	CHECKED T. PETTY	
	ISSUED DATE 06/29/26	Page 65 of 161
	Exhibit E.2 Page 65 of 161	



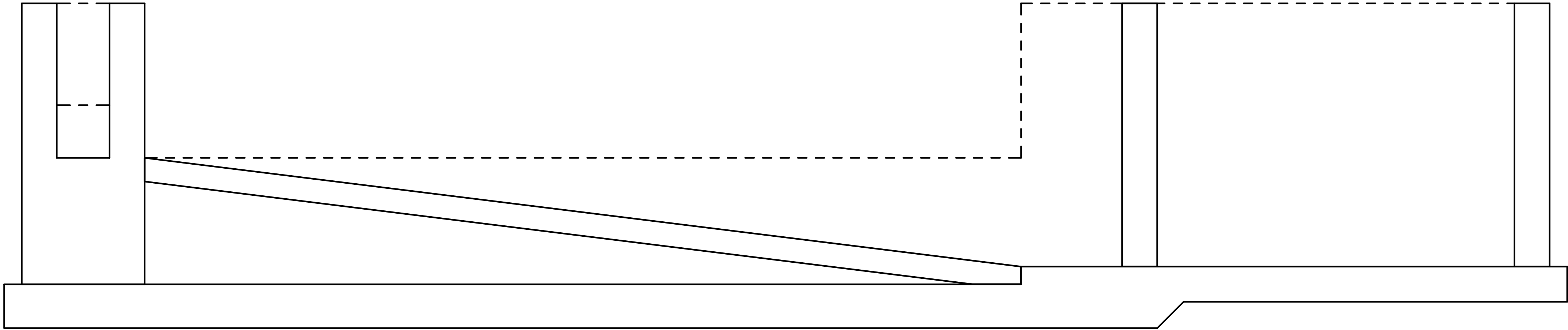
1 REINFORCING SECTION - 4
SCALE: 1/2" = 1'-0"



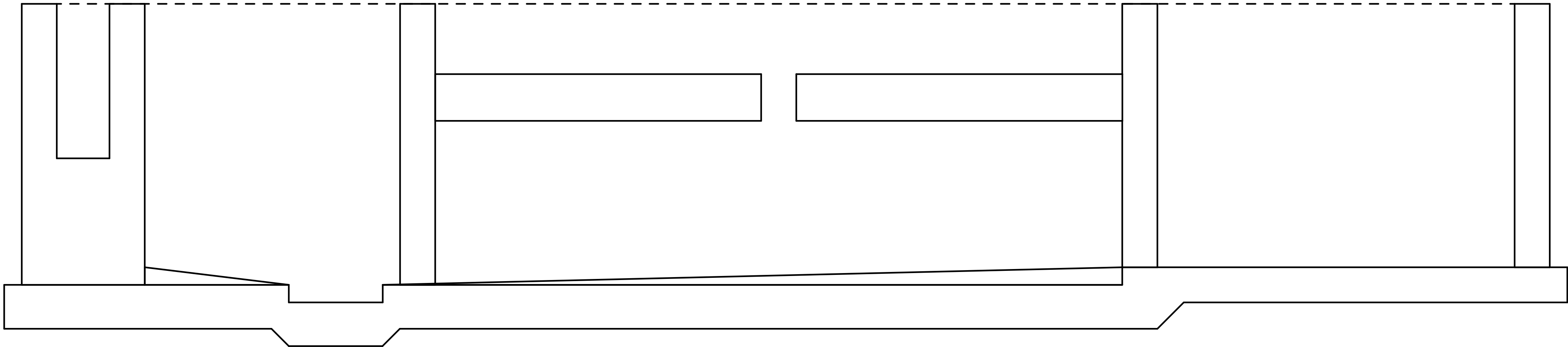
REINFORCING SECTION - 9
SCALE: 1/2" = 1'-0"



2 REINFORCING SECTION - 5
SCALE: 1/2" = 1'-0"



REINFORCING SECTION - 6
SCALE: 1/2" = 1'-0"



REINFORCING SECTION - 7
SCALE: 1/2" = 1'-0"

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

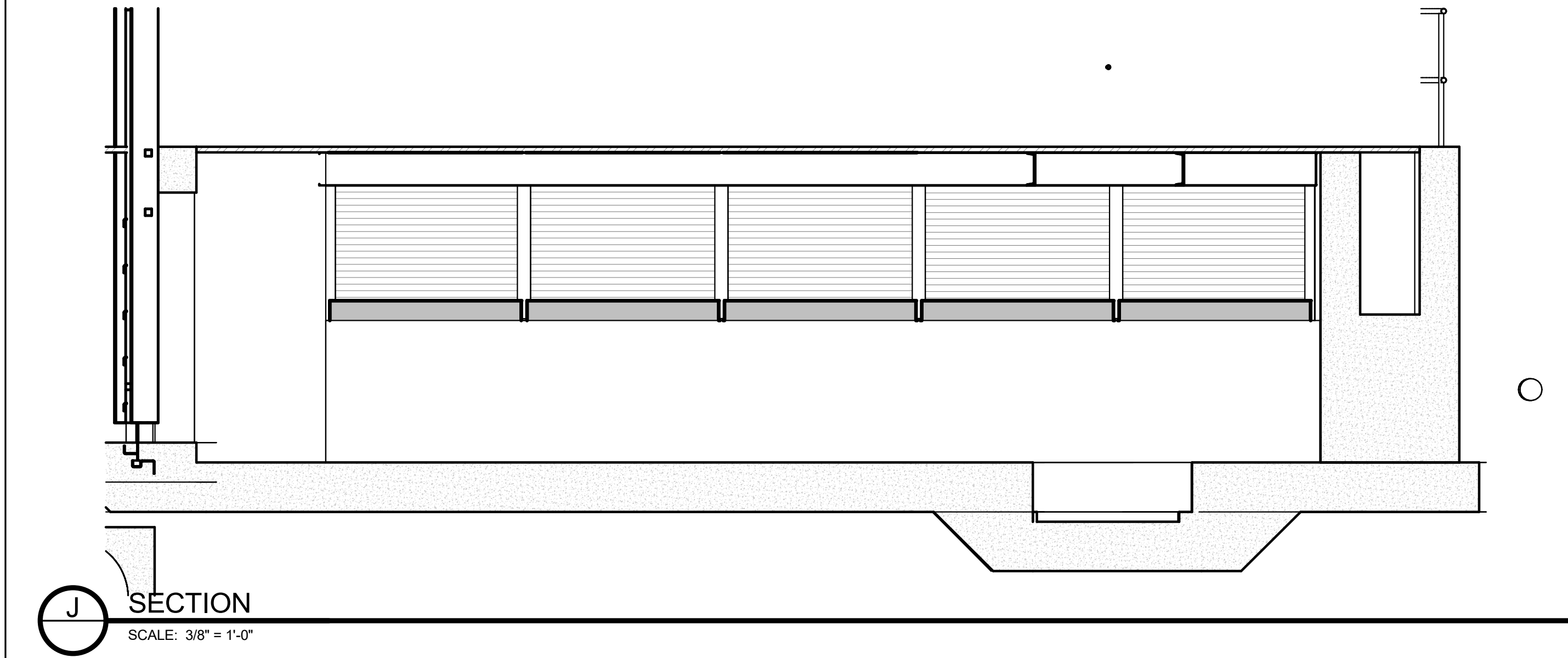
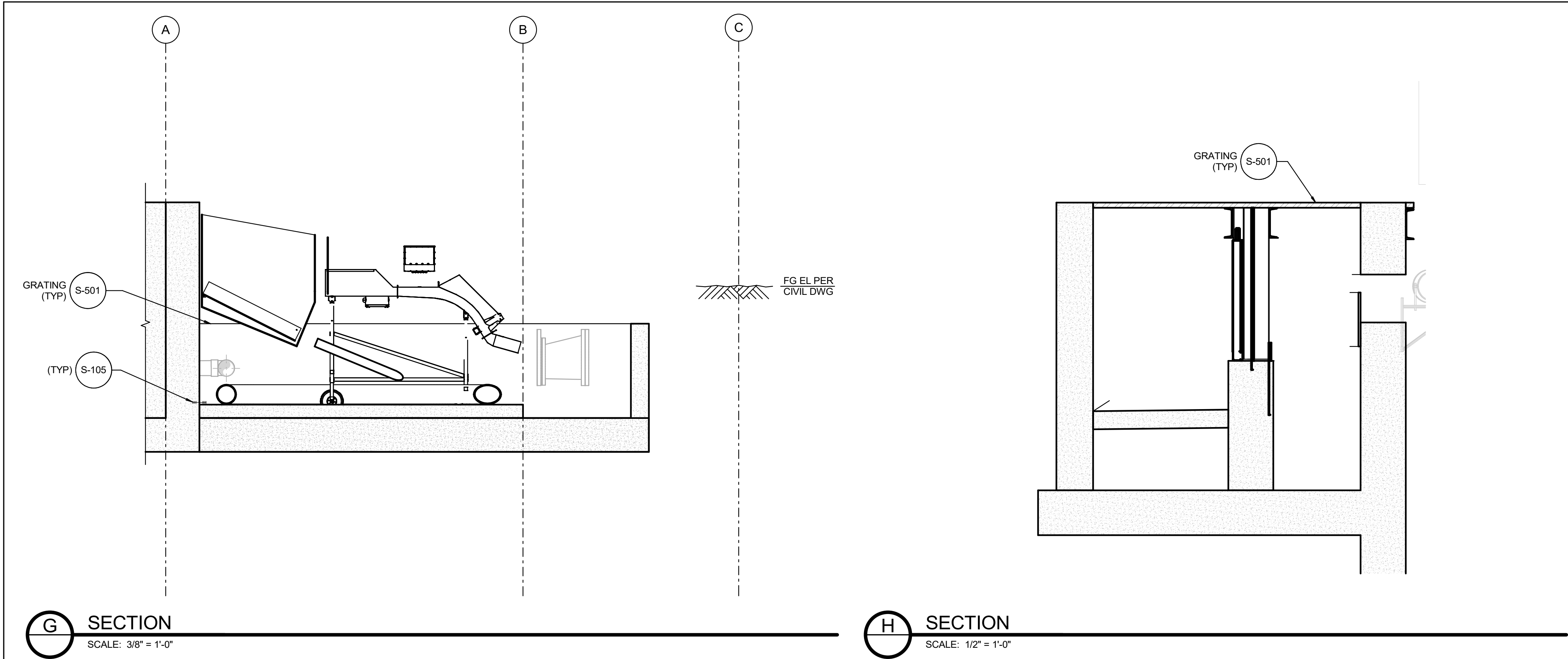
PRELIMINARY
NOT FOR CONSTRUCTION

WARNING

IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



TULALIP TRIBES	DESIGNED S. KORDZIEL	DRAWING
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	DRAWN E. BOWEN	3S-21
REINFORCING DETAILS - 2	CHECKED T. PETTY	
	ISSUED DATE 06/29/26	



A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING

0 1/2 1

IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



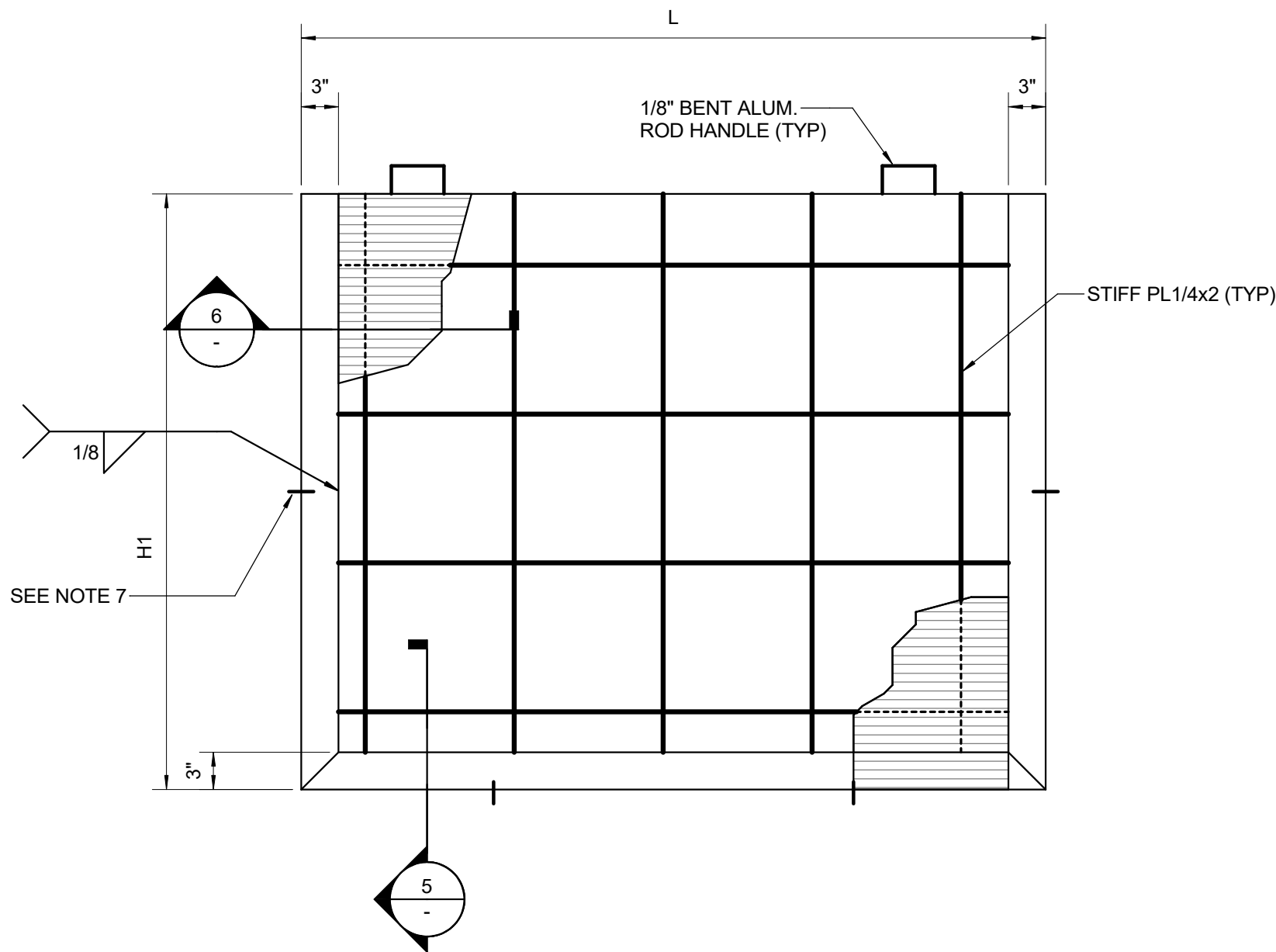
TULALIP TRIBES	DESIGNED S. KORDZIEL	DRAWING
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	DRAWN E. BOWEN	3S-WW
FISH COUNTER BASIN AND SCREEN SECTIONS	CHECKED T. PETTY	
	ISSUED DATE 06/29/26	

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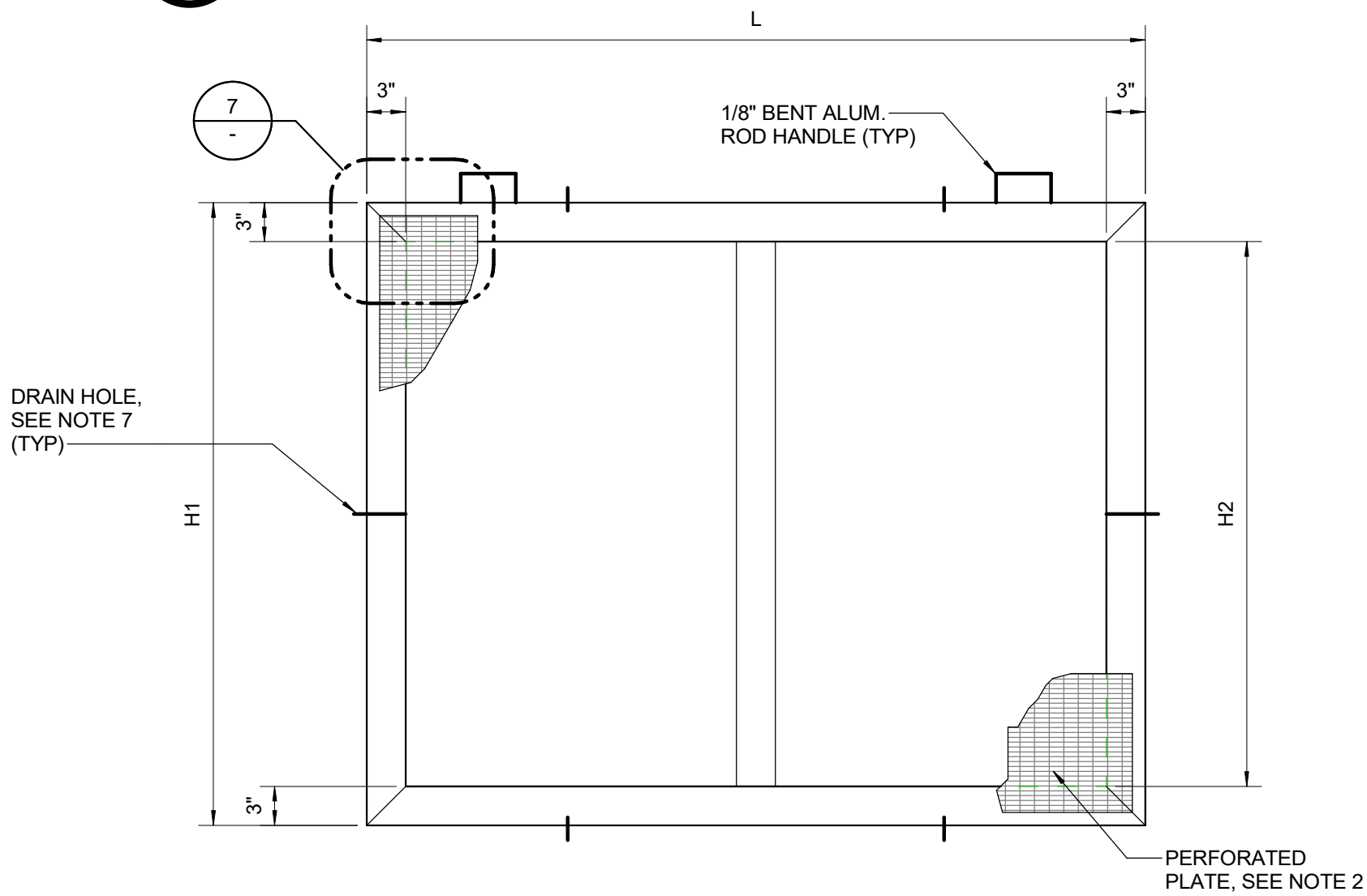
Exhibit E 2 Page 67 of 161

GENERAL SHEET NOTES

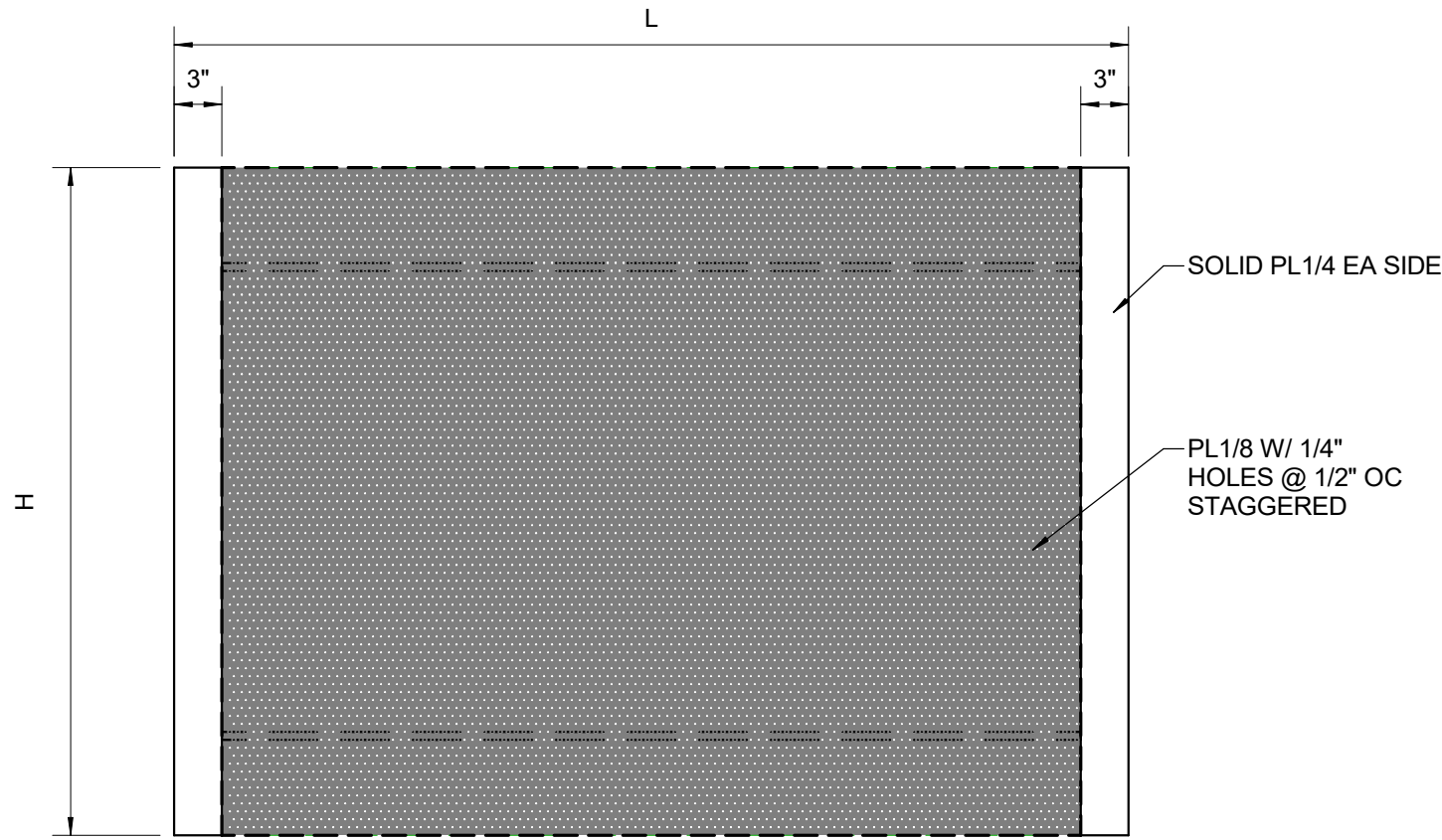
1. FRAME TO BE OF 1-3/4"x3" RECTANGULAR ALUM. TUBING 6063-T52 1.350 LBS / PER FOOT, UNLESS NOTED OTHERWISE.
2. PERFORATED PLATES TO BE 18 GAUGE ALUMINUM WITH 1-1/2"x1/4" SQUARE-END SLOT, STRAIGHT CENTERS OPENING ALLOY #5052 68% OPEN AREA.
3. GRIND ALL WELD FLUSH, THAT ARE IN CONTACT WITH PERFORATED ALUMINUM PLATE.
4. ATTACH PERFORATED PLATE TO ALUMINUM FRAME WITH 3/16" ALUM POP RIVETS @ 3" O.C.
5. FLOW CONTROL BAFFLES ARE NOT TO BE USED FOR DEWATERING; FAILURE MAY OCCUR.
6. ATTACH PERFORATED PL. TO ALUM. FRAME W/ ALUM. POP RIVETS AT 3" O.C. ROUGH SIDE O.D. PERFORATIONS SHALL FACE TOWARDS TUBING.
7. DRAIN HOLE SHALL BE 3/8" DIA.
8. THE MAX WARPAGE ALLOWANCE SHALL BE 1/16" WHEN FRAMES ARE LAID ON FLAT SURFACE.
9. BLANK PANEL TO BE 1/4" ALUMINUM PLATE ALLOY 3003-H14
10. SOLID PLATE TO BE 1/4" STAINLESS STEEL CONFORMING TO ASTM A240



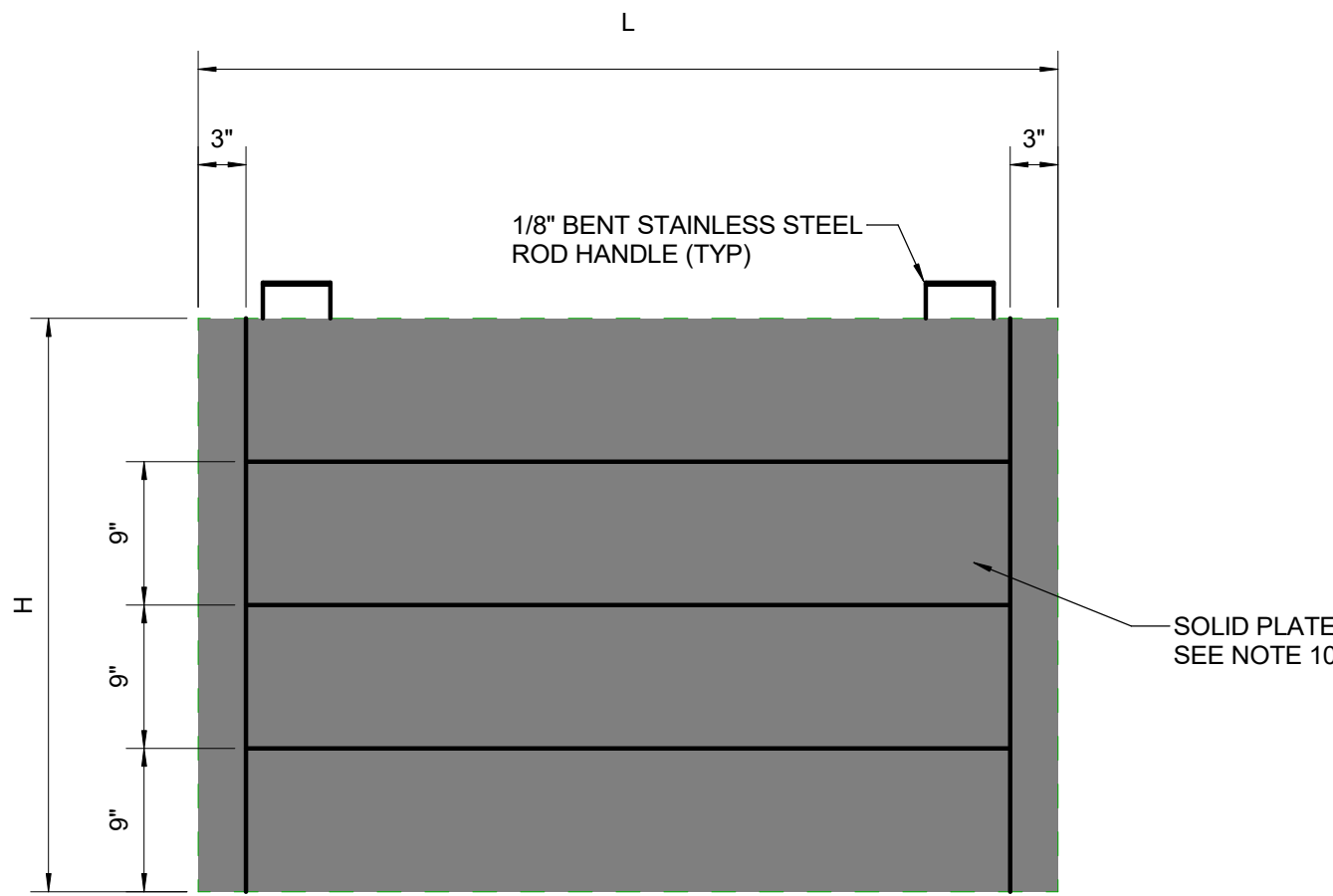
1 DETAIL- SCREEN CHANNEL PROFILE BAR SCREEN
SCALE: 1" = 1'-0"



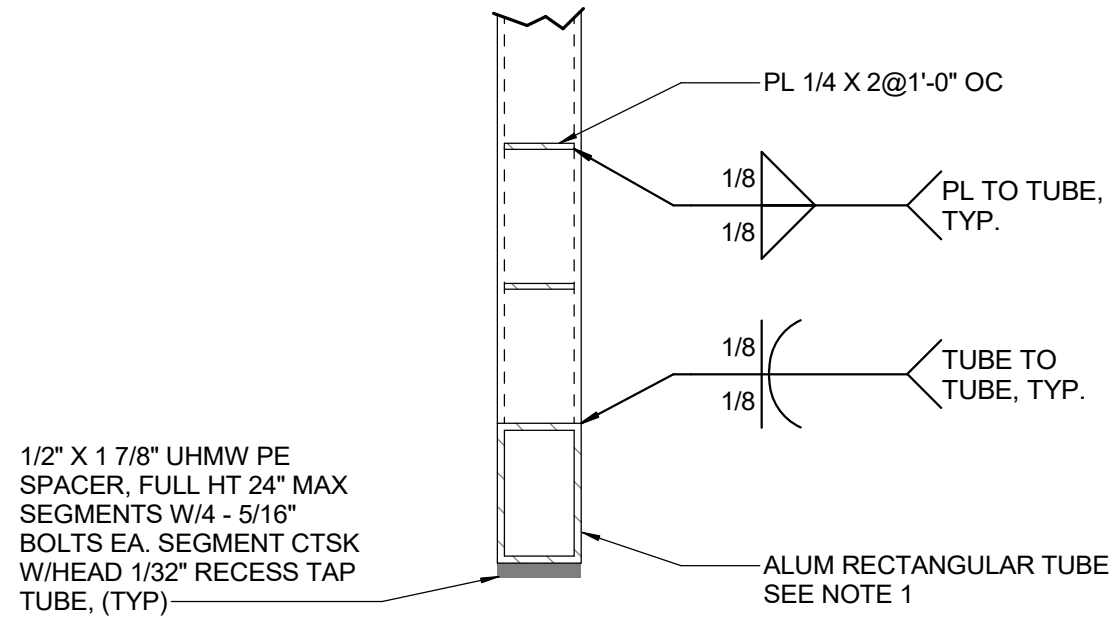
3 DETAIL- INTERMEDIATE POND RACEWAY SCREEN
SCALE: 1" = 1'-0"



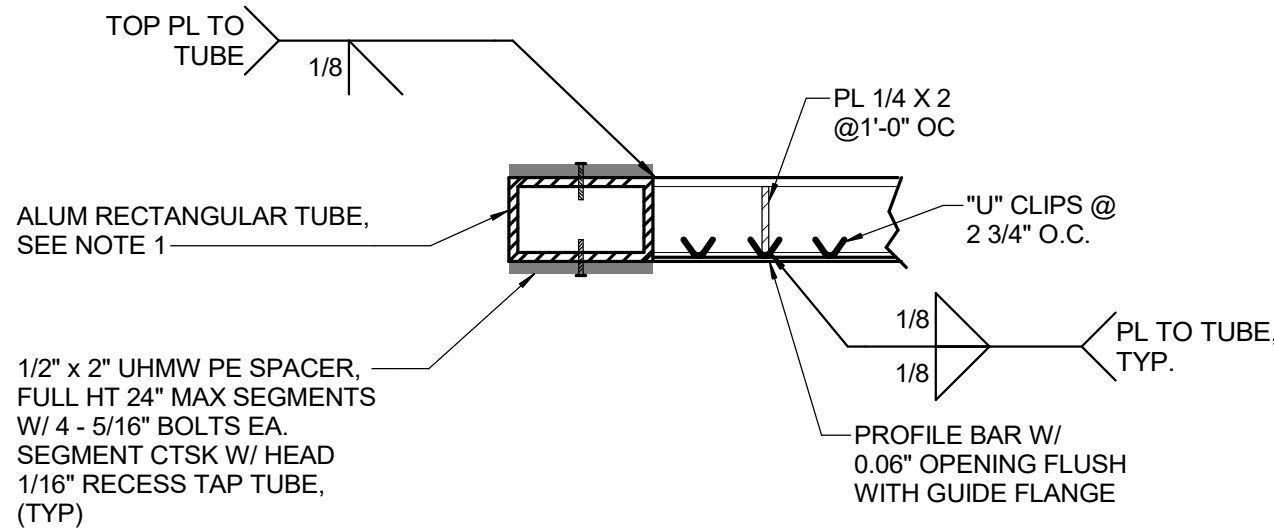
2 DETAIL- INTERMEDIATE POND BAFFLE PLATE
SCALE: 1" = 1'-0"



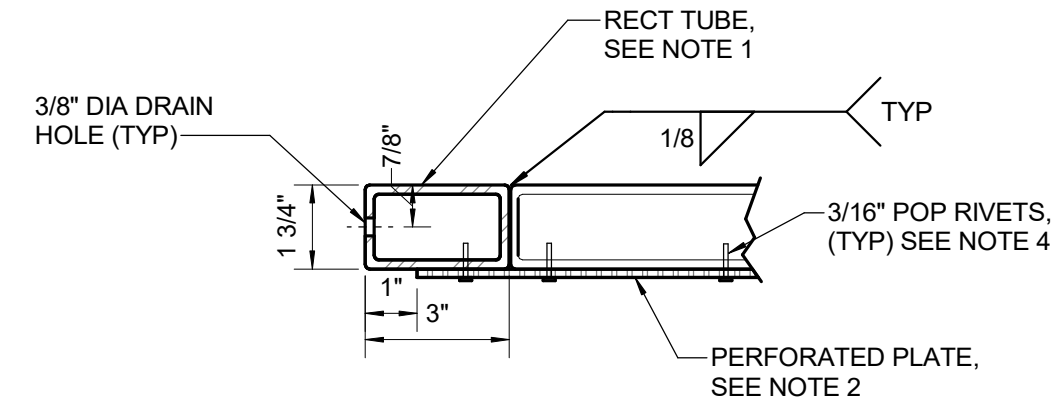
4 DETAIL- INTERMEDIATE POND WEIR PLATE
SCALE: 1" = 1'-0"



5 PROFILE BAR FRAME
SCALE: 3" = 1'-0"



6 DETAIL -PROFILE BAR FRAME
SCALE: 3" = 1'-0"



7 DETAIL - RACEWAY SCREEN FRAME
SCALE: 3" = 1'-0"

REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

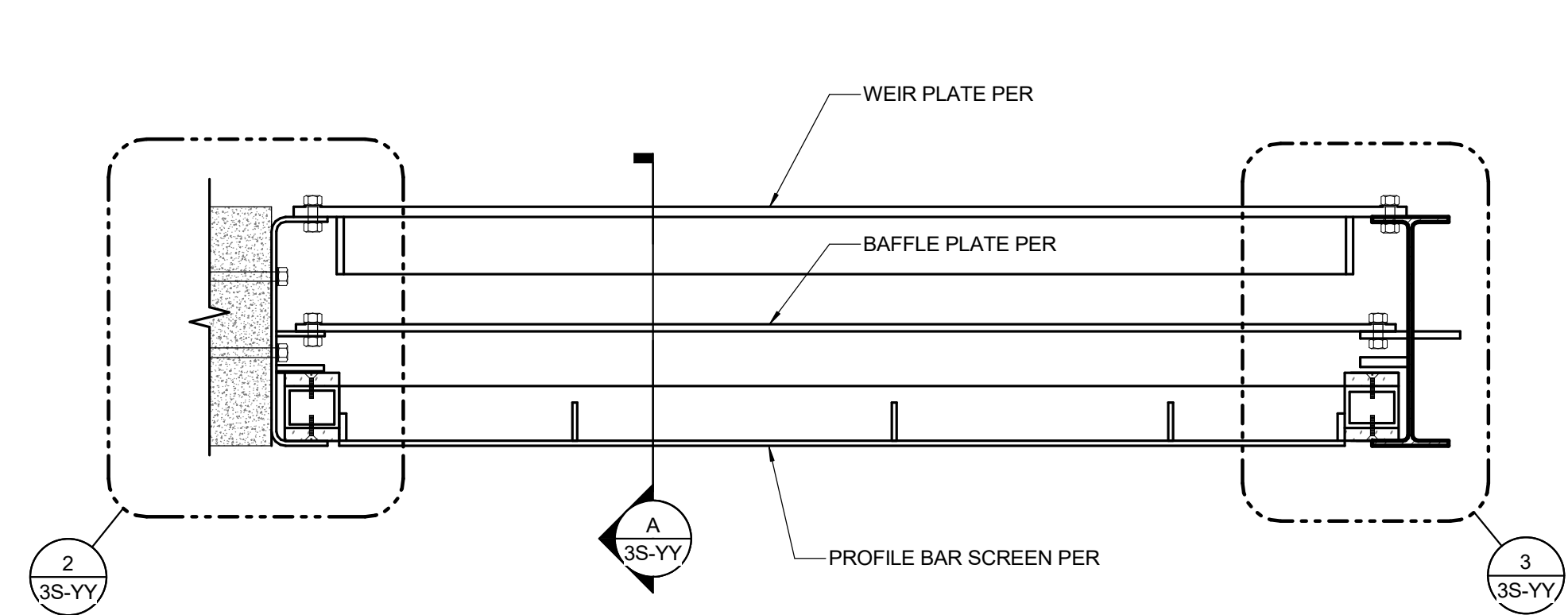
WARNING
0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



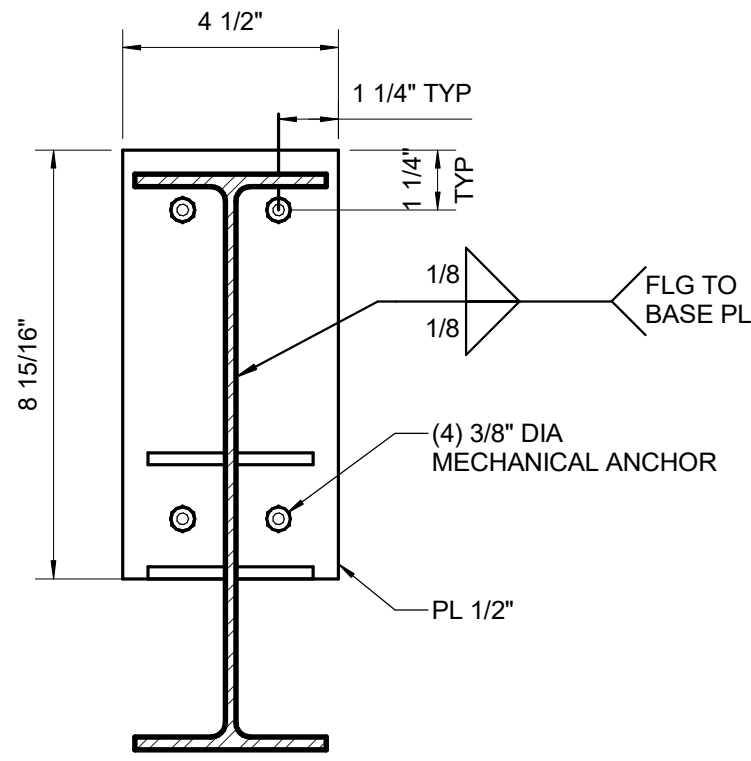
TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT
SCREEN GUIDES AND SOCKET DETAILS

DESIGNED AG
DRAWN STN
CHECKED ST
ISSUED DATE 06/29/2024

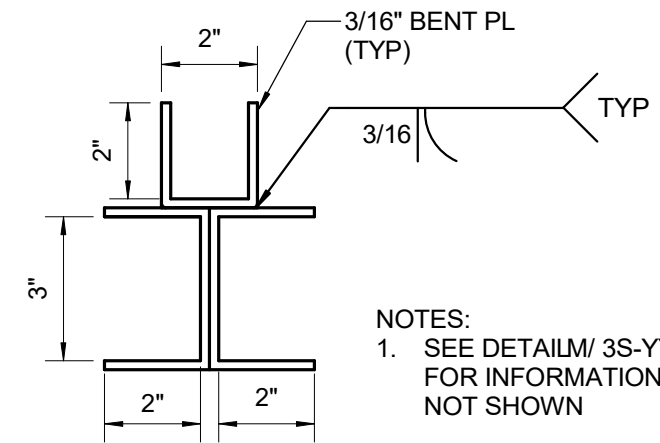
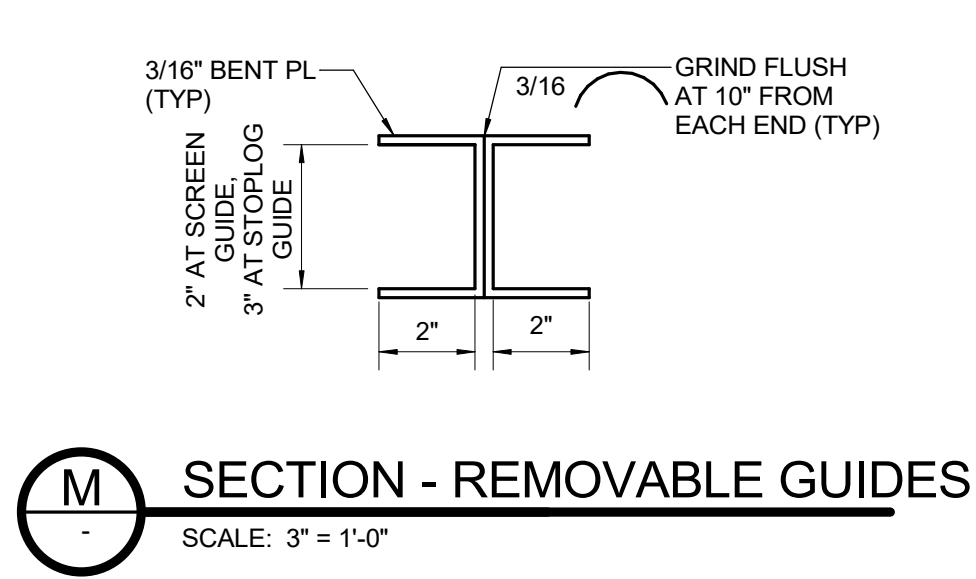
DRAWING
3S-XX



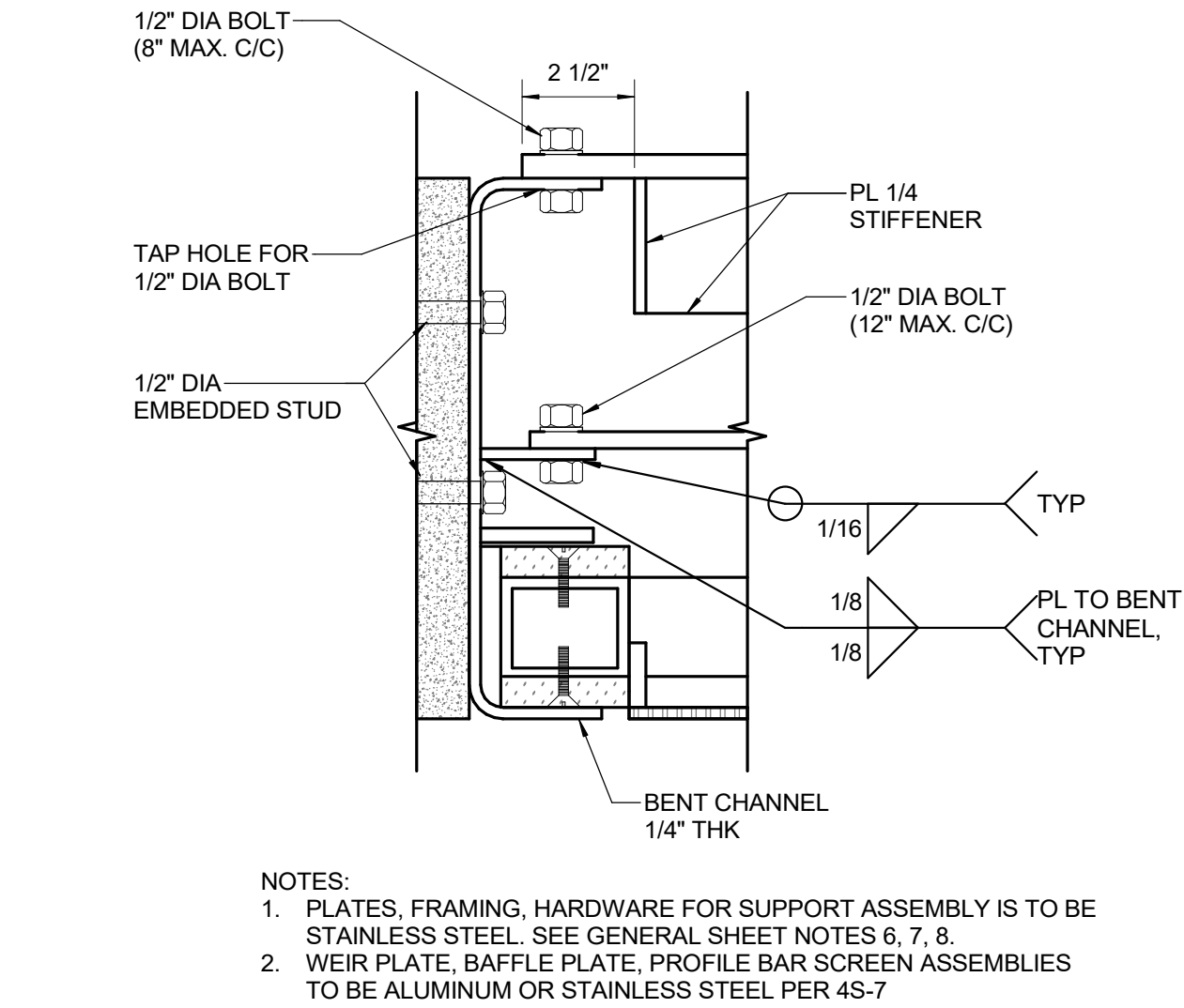
1 SCREEN GUIDE DETAIL
SCALE: 1 1/2" = 1'-0"



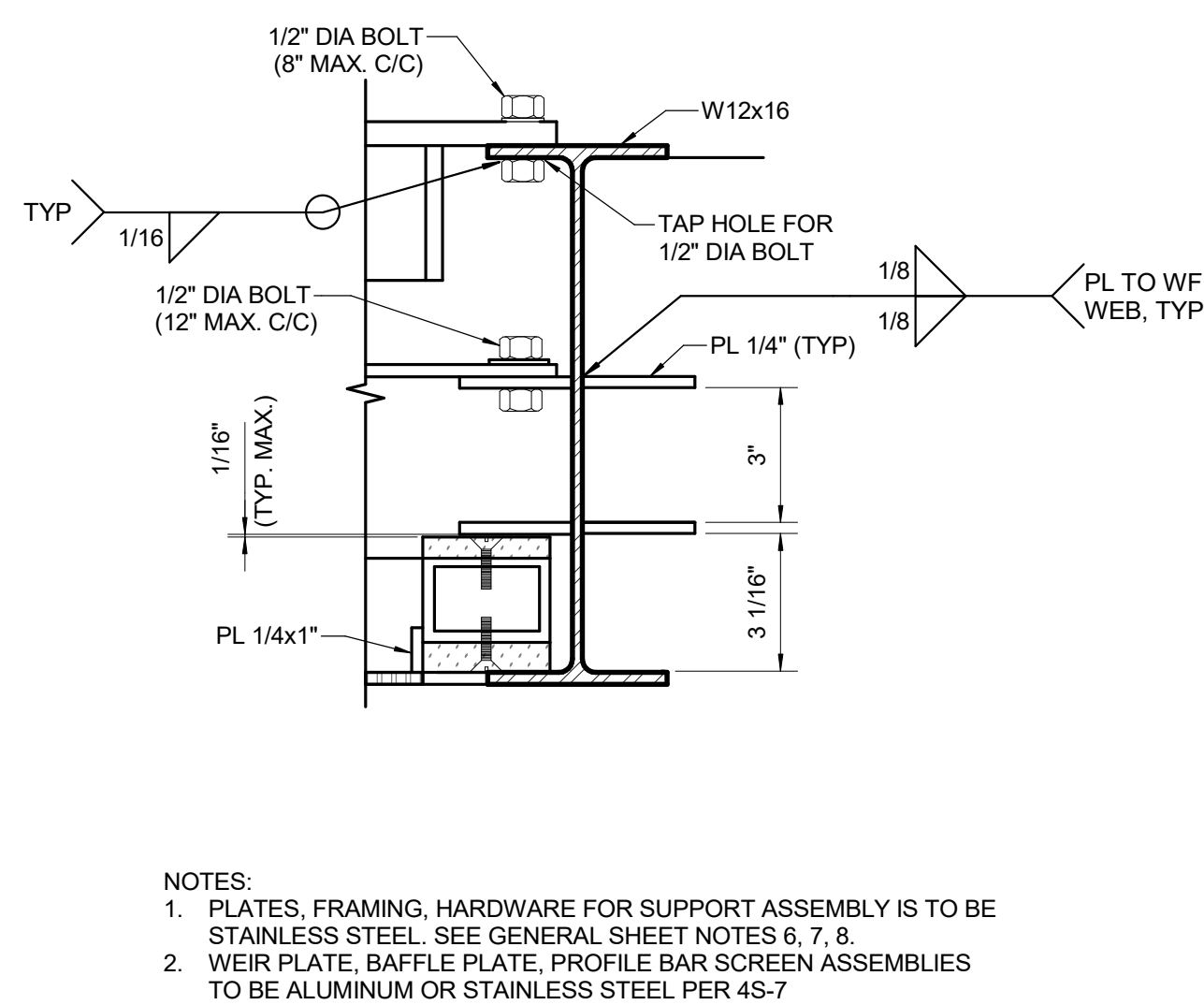
5 SCREEN GUIDE BASEPLATE
SCALE: 3" = 1'-0"



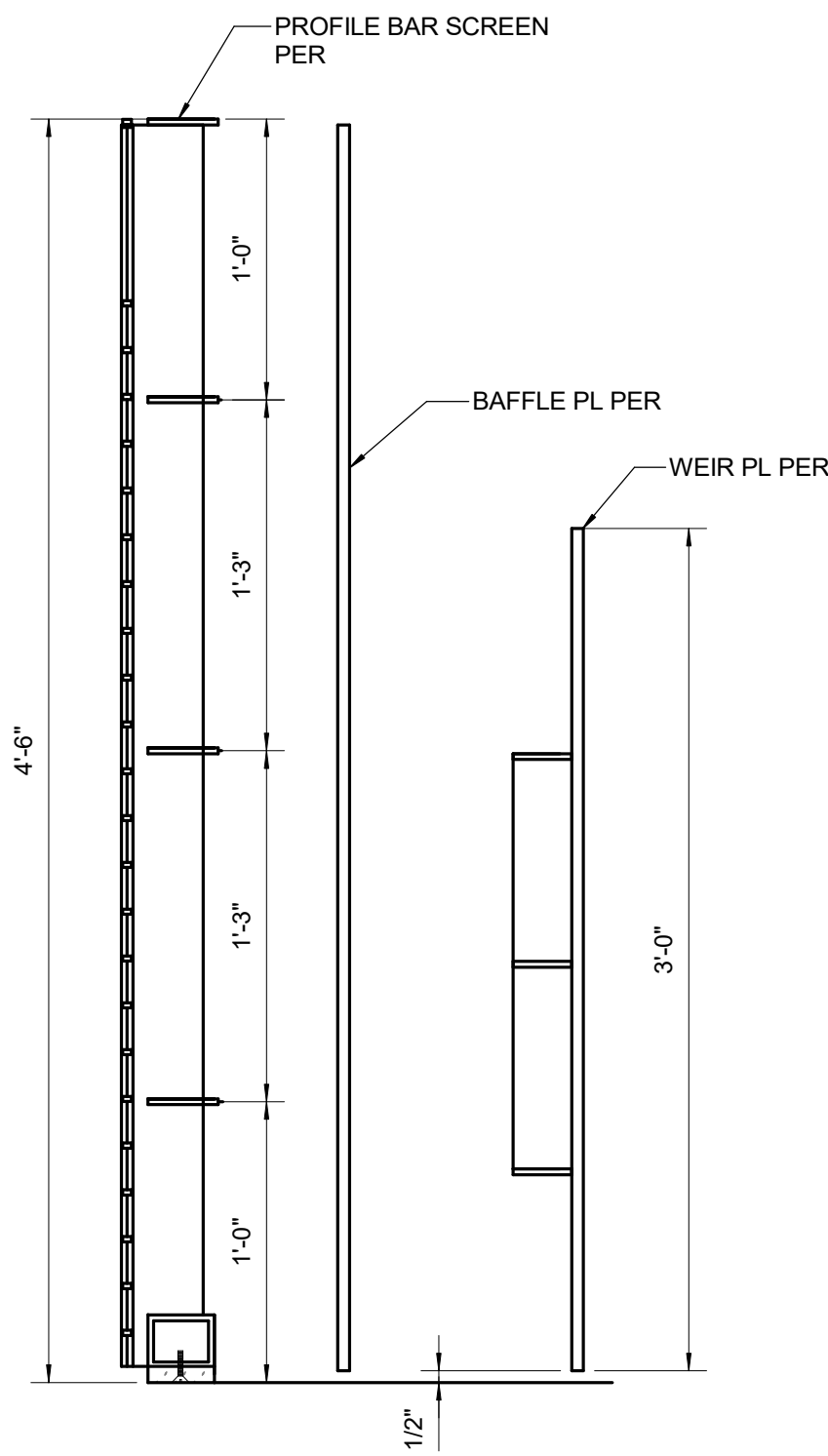
N SECTION - REMOVABLE GUIDE
SCALE: 3" = 1'-0"



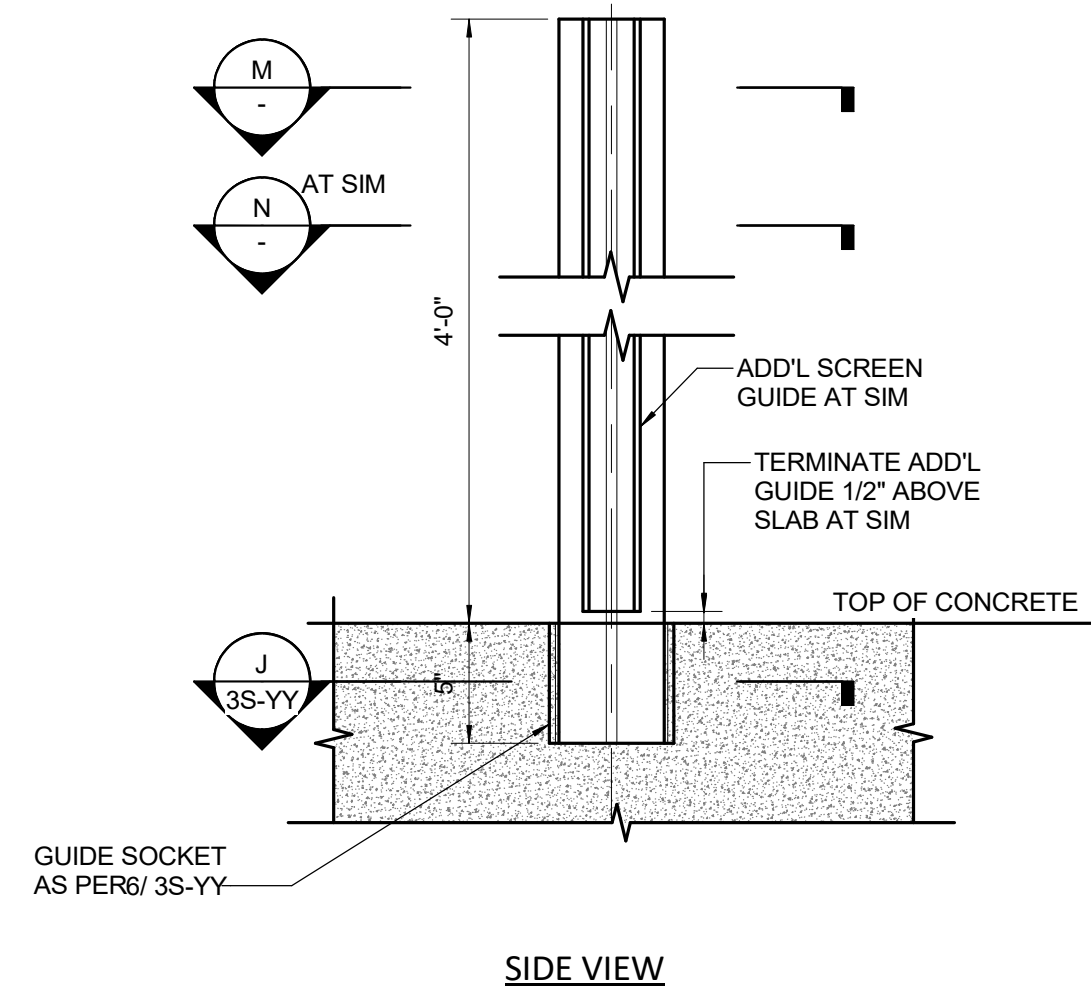
2 SCREEN GUIDE AT CONCRETE SUPPORT
SCALE: 3" = 1'-0"



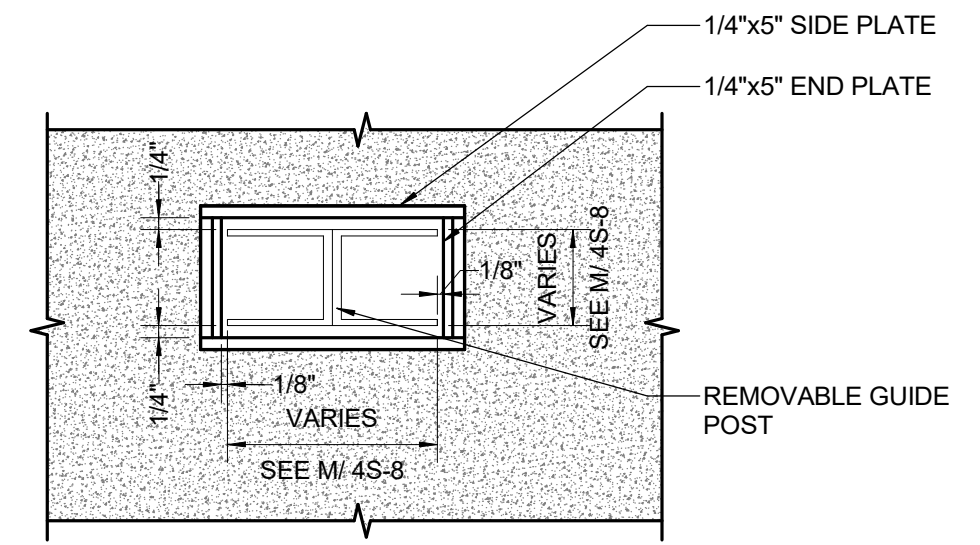
3 SCREEN GUIDE AT INTERMEDIATE SUPPORT
SCALE: 3" = 1'-0"



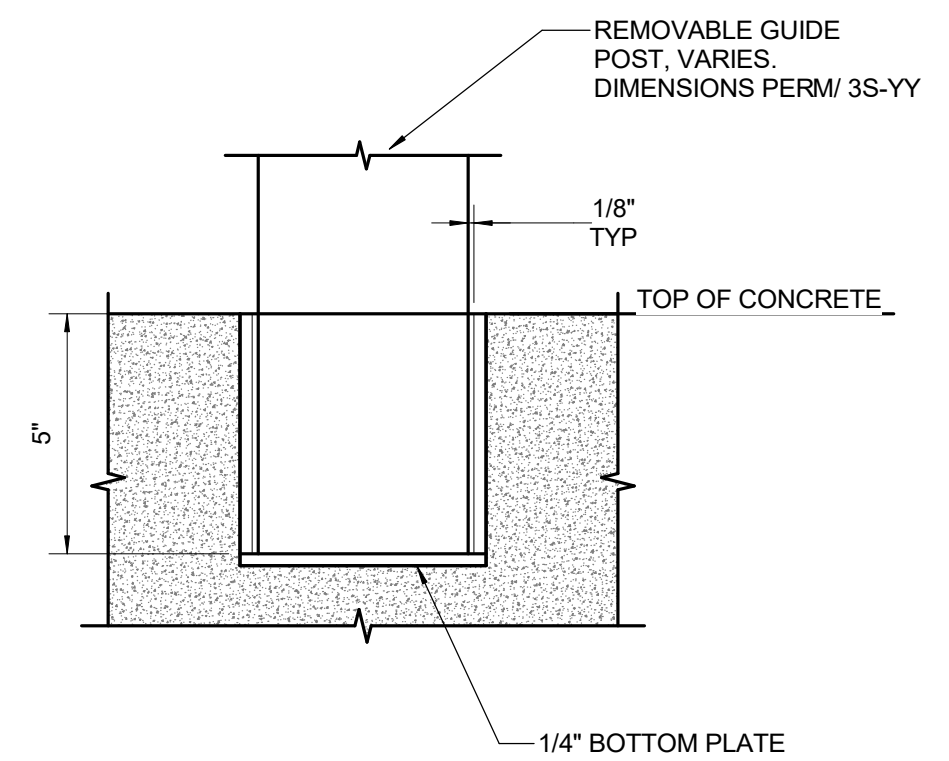
A SECTION
SCALE: 1 1/2" = 1'-0"



4 REMOVABLE SCREEN GUIDE DETAIL
SCALE: 1 1/2" = 1'-0"



J SECTION - GUIDE SOCKET
SCALE: 3" = 1'-0"



6 GUIDE SOCKET DETAIL
SCALE: 3" = 1'-0"

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING

0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



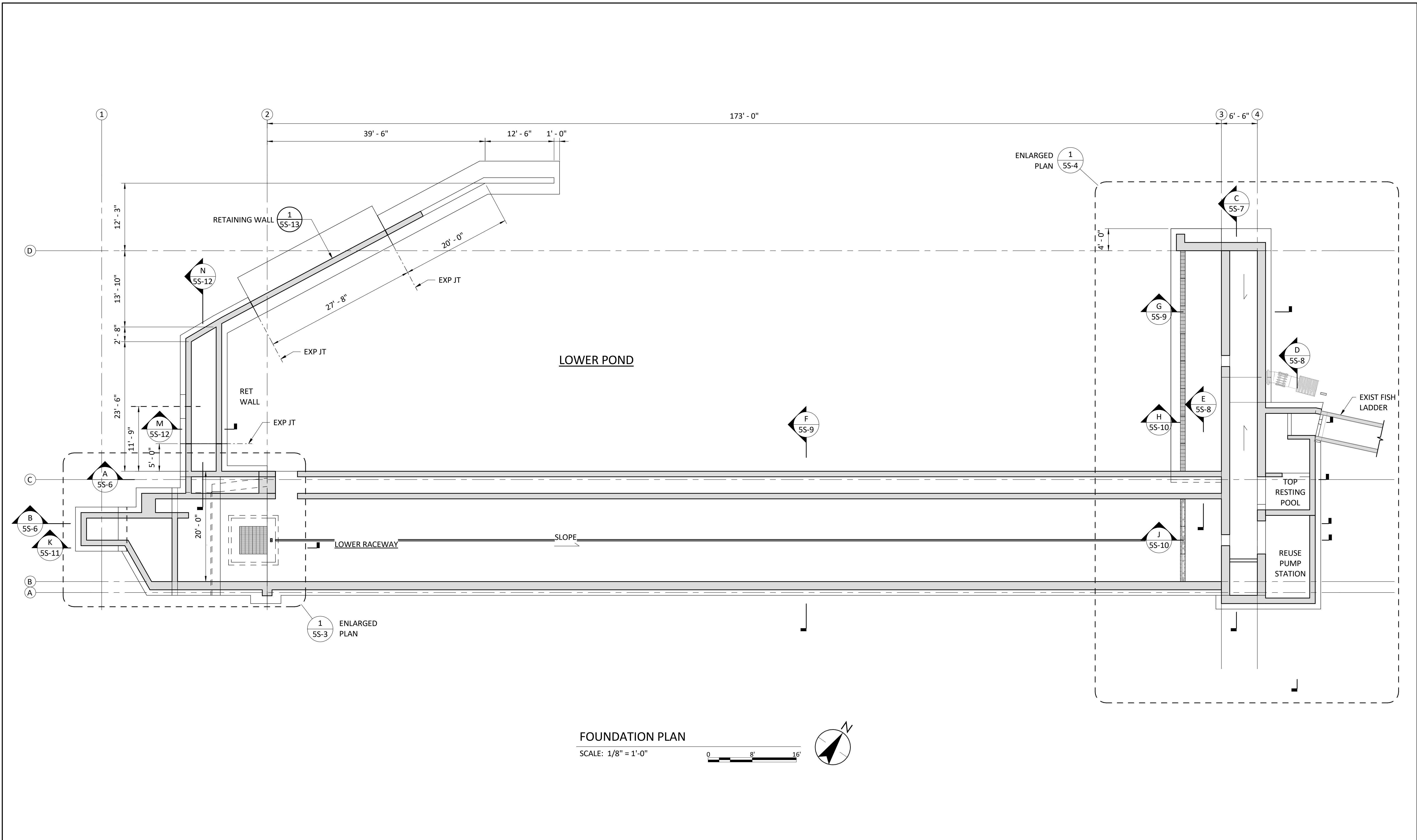
TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT

SCREEN GUIDE AND SOCKET DETAILS

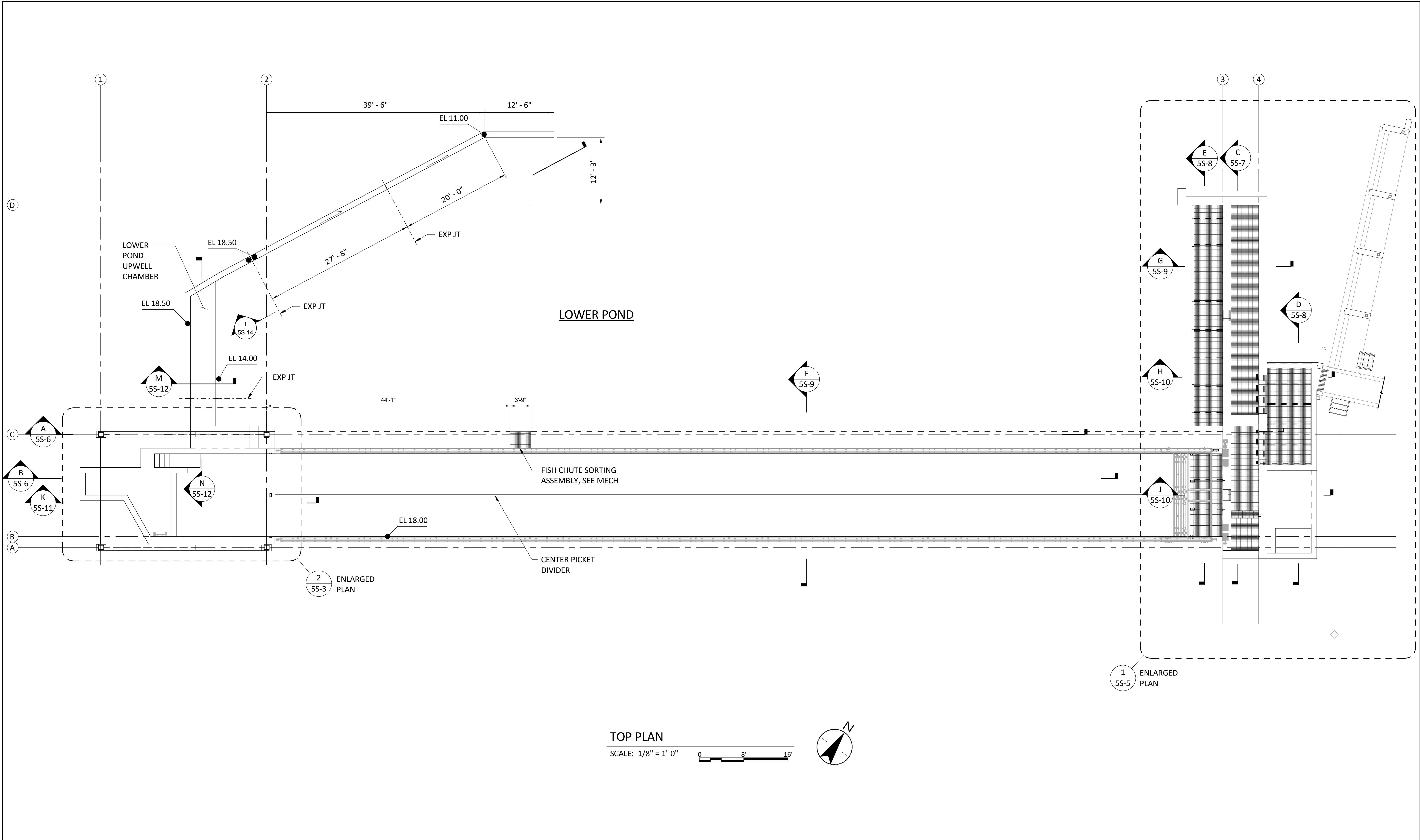
DESIGNED S. KORDZIEL
DRAWN E. BOWEN
CHECKED T. PETTY
ISSUED DATE 06/29/26

DRAWING

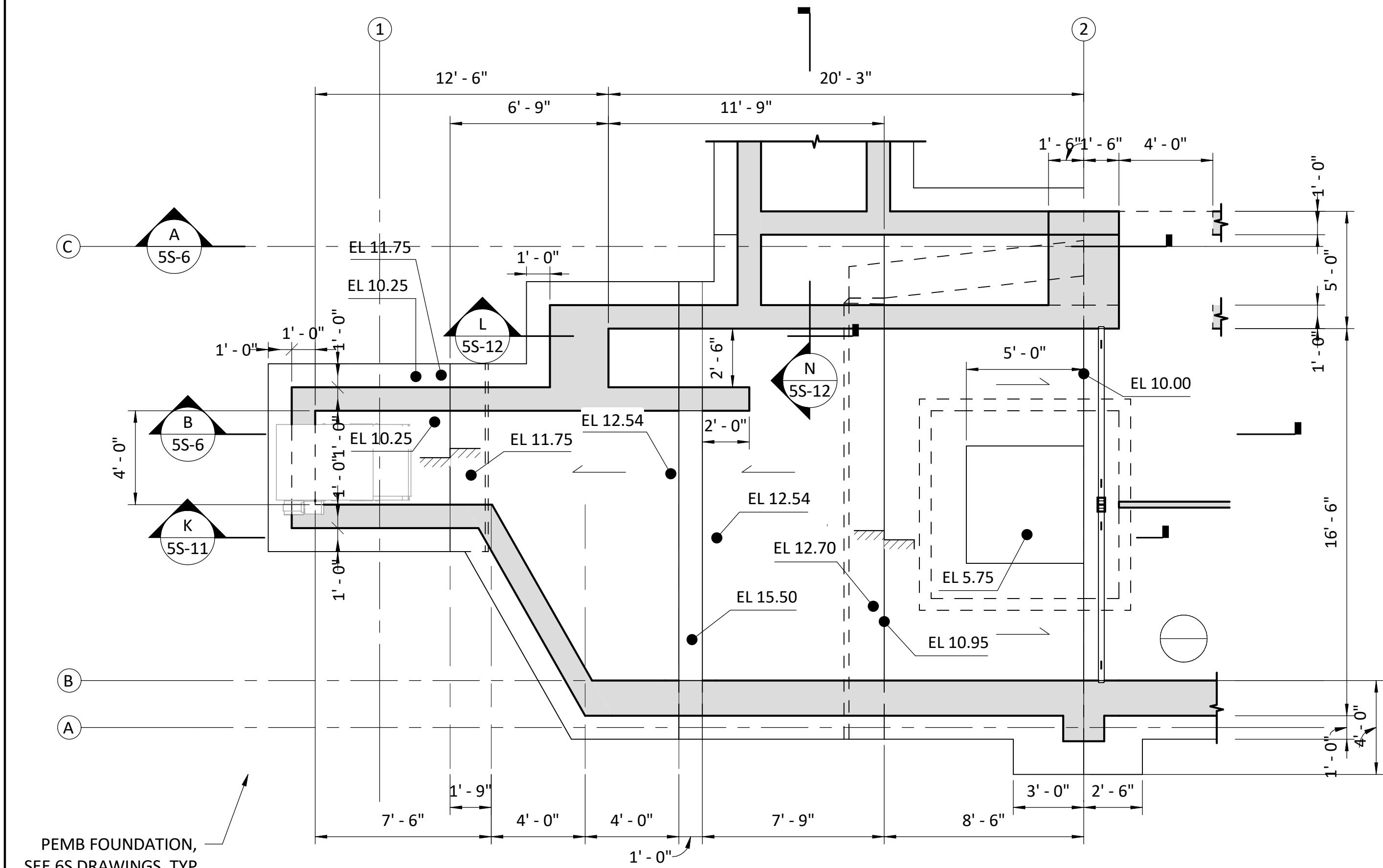
3S-YY



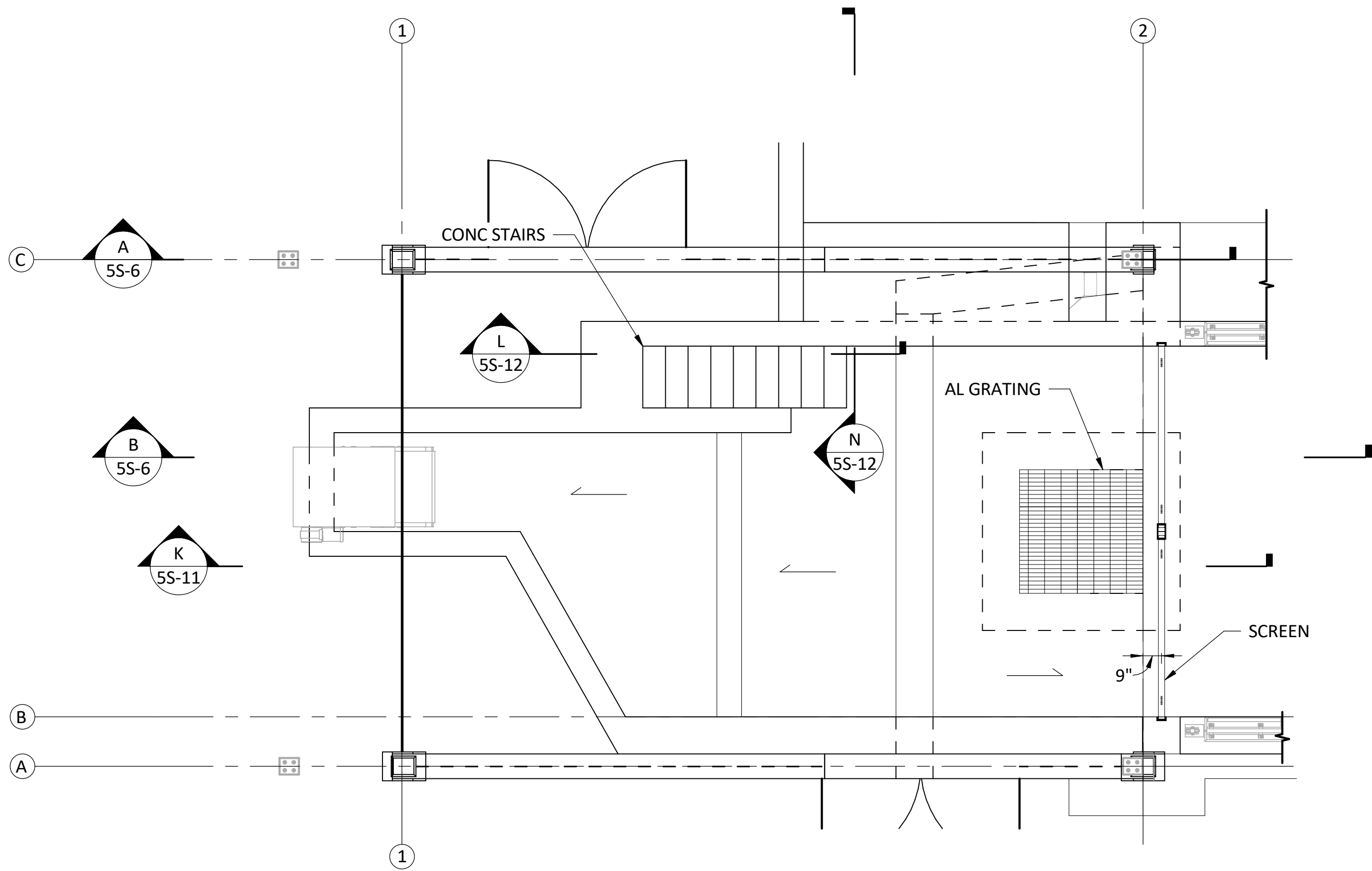
				PRELIMINARY NOT FOR CONSTRUCTION	WARNING 0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.	McMillen 1471 Shoreline Dr. Ste 100, Boise, ID 83702 (208) 342-4214 mcmillen.com			TULALIP TRIBES		DESIGNED	AG	DRAWING 5S-1
									TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT		DRAWN	STN	
									LOWER POND AND RACEWAYS FOUNDATION PLAN 1		CHECKED	ST	
											ISSUED DATE	06/29/2026	
A	06/29/26	RM	PRE-FINAL DESIGN								Exhibit E.2 Page 70 of 161		
REV	DATE	BY	DESCRIPTION					Exhibit E.2 Page 70 of 161					



				PRELIMINARY NOT FOR CONSTRUCTION	WARNING 0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.	McMillen 1471 Shoreline Dr. Ste 100 • Boise, ID 83702 (208) 342-4214 mcmillen.com		TULALIP TRIBES		DESIGNED _____ AG	DRAWING 5S-2		
							TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT		DRAWN _____ STN				
							LOWER POND AND RACEWAYS TOP PLAN		CHECKED _____ ST				
									ISSUED DATE Exhibit E-2 Page 71 of 161 Exhibit E-2 Page 71 of 161				
A	06/29/26	RM	PRE-FINAL DESIGN										
REV	DATE	BY	DESCRIPTION										



1
5S-1 ENLARGED FOUNDATION PLAN
SCALE: 1/4" = 1'-0"
0 4' 8'



2
5S-2 ENLARGED TOP PLAN
SCALE: 1/4" = 1'-0"
0 4' 8'

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

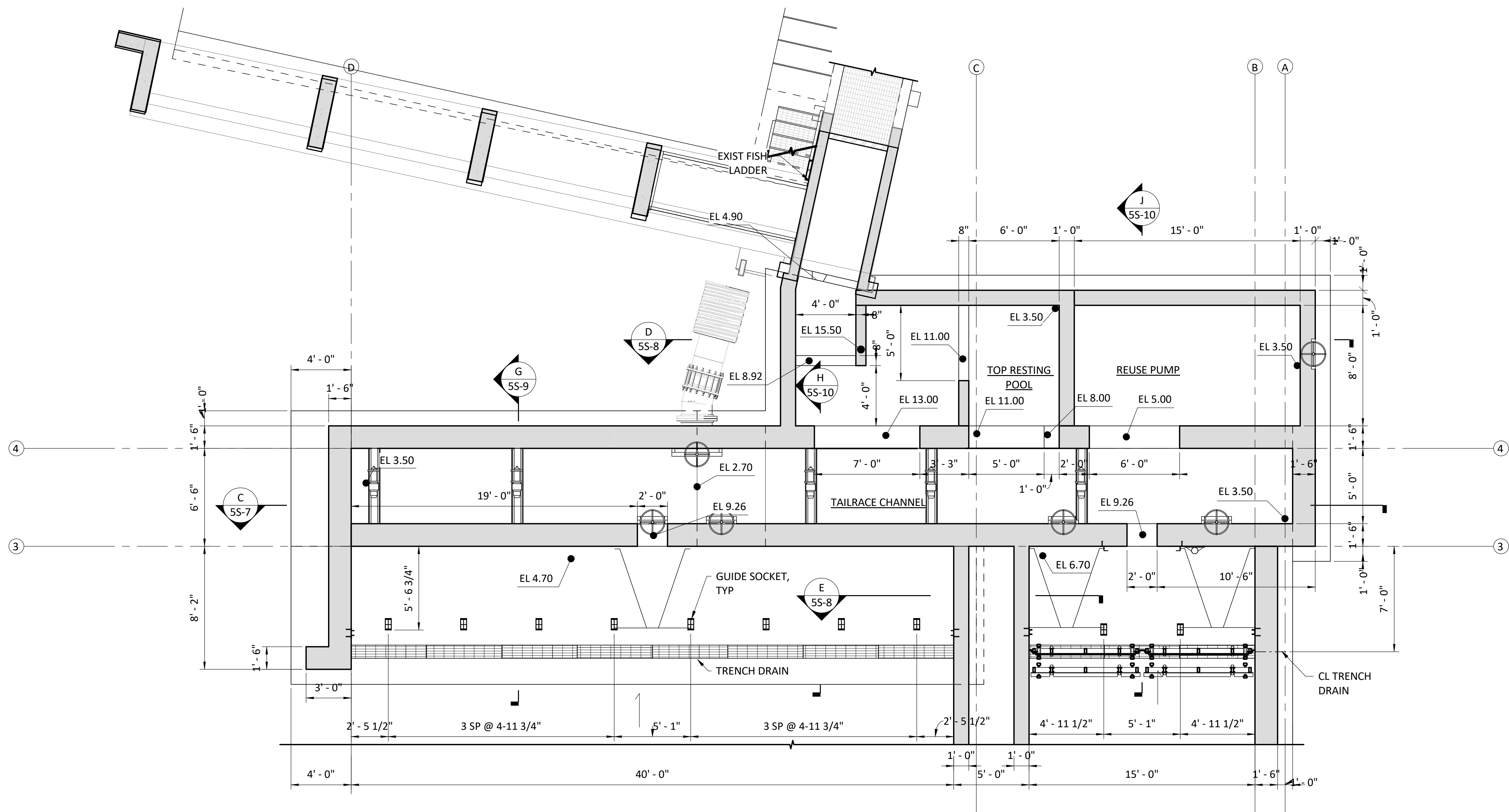
WARNING
0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT
LOWER POND AND RACEWAYS ENLARGED PLANS 1

DESIGNED	AG
DRAWN	STN
CHECKED	ST
ISSUED DATE	06/29/2026

DRAWING
5S-3

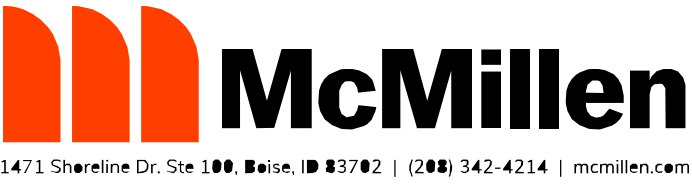


1
5S-1 ENLARGED FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

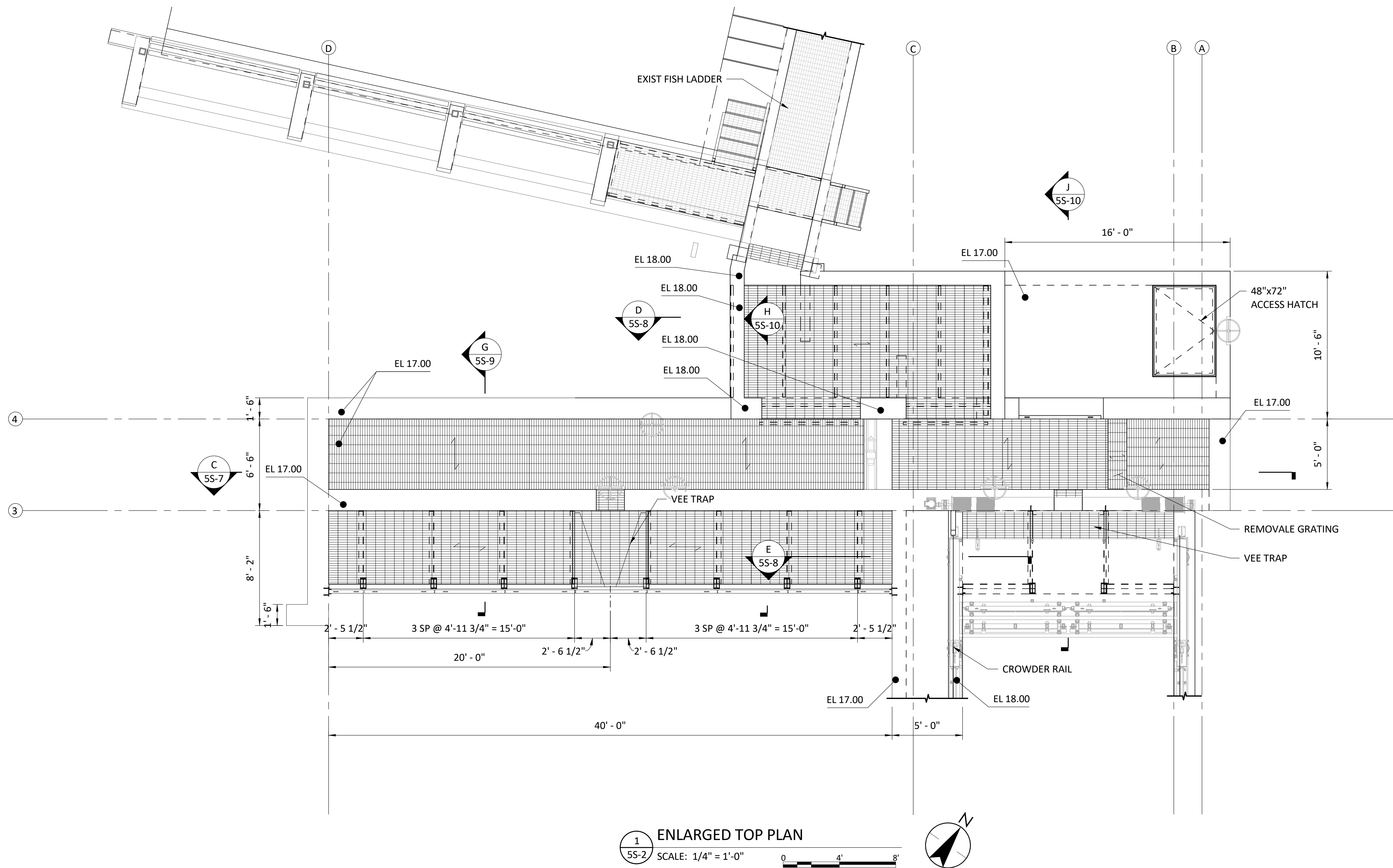
WARNING
0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT
LOWER POND AND RACEWAYS ENLARGED PLANS 2

DESIGNED	AG
DRAWN	STN
CHECKED	ST
ISSUED DATE	06/29/2026

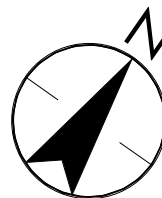
DRAWING
5S-4



1
5S-2

ENLARGED TOP PLAN

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



A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

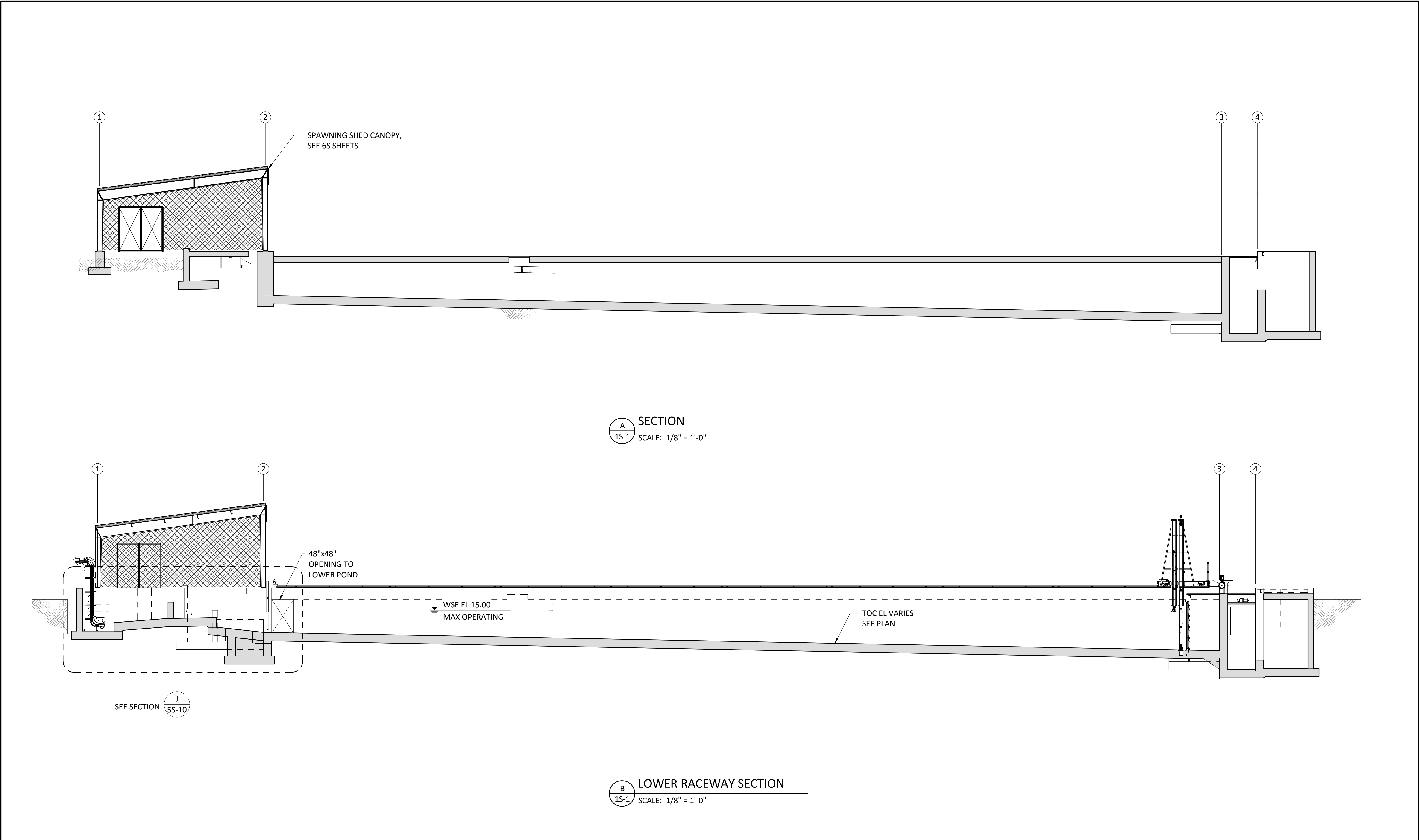
WARNING

IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.

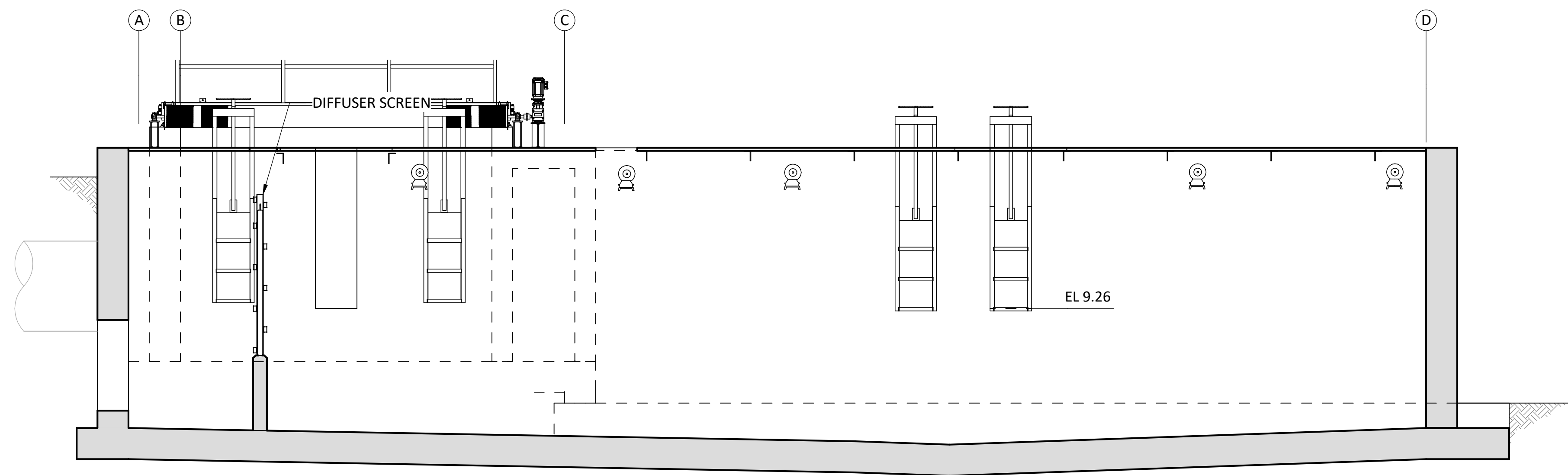


TULALIP TRIBES		DESIGNED	AG
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT		DRAWN	STN
LOWER POND AND RACEWAYS ENLARGED PLANS 3		CHECKED	ST
ISSUED DATE: 06/29/26		DRAWN BY: 5S-2	

DRAWING
5S-5



				PRELIMINARY NOT FOR CONSTRUCTION	WARNING 01/21 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.	McMillen 1471 Shoreline Dr. Ste 100 Boise, ID 83702 (208) 342-4214 mcmillen.com		TULALIP TRIBES	DESIGNED AG	DRAWING 5S-6
								TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	DRAWN STN	
								LOWER POND AND RACEWAYS SECTIONS	CHECKED ST	
									ISSUED DATE 06/29/26	
A	06/29/26	RM	PRE-FINAL DESIGN							
REV	DATE	BY	DESCRIPTION							



SECTION
C
15'-1" SCALE: 1/4" = 1'-0"

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

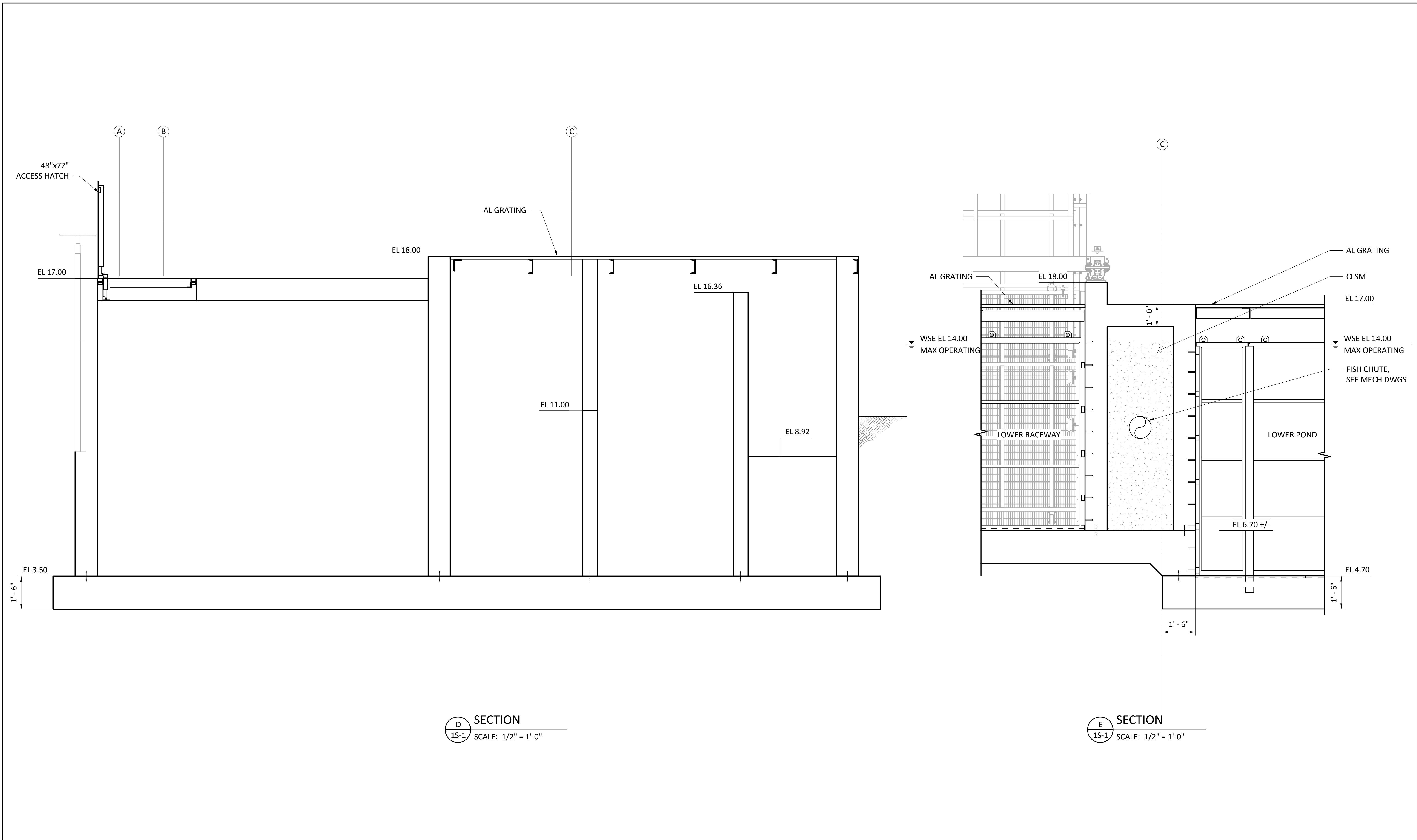
WARNING

IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.

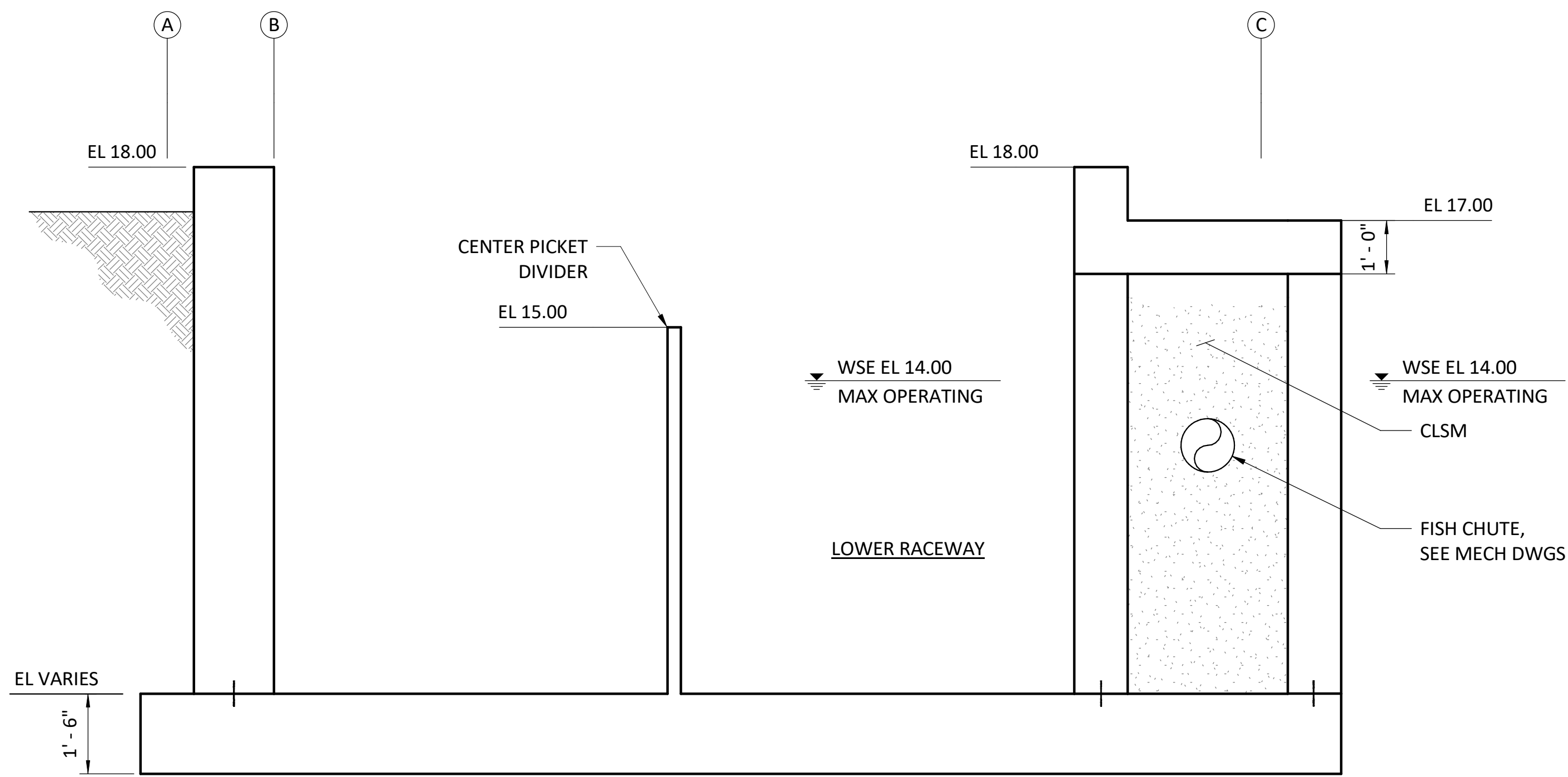


TULALIP TRIBES	
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	
LOWER POND AND RACEWAYS FOUNDATION REINFORCEMENT PLAN 1	
DESIGNED	AG
DRAWN	STN
CHECKED	ST
ISSUED DATE	06/29/2026

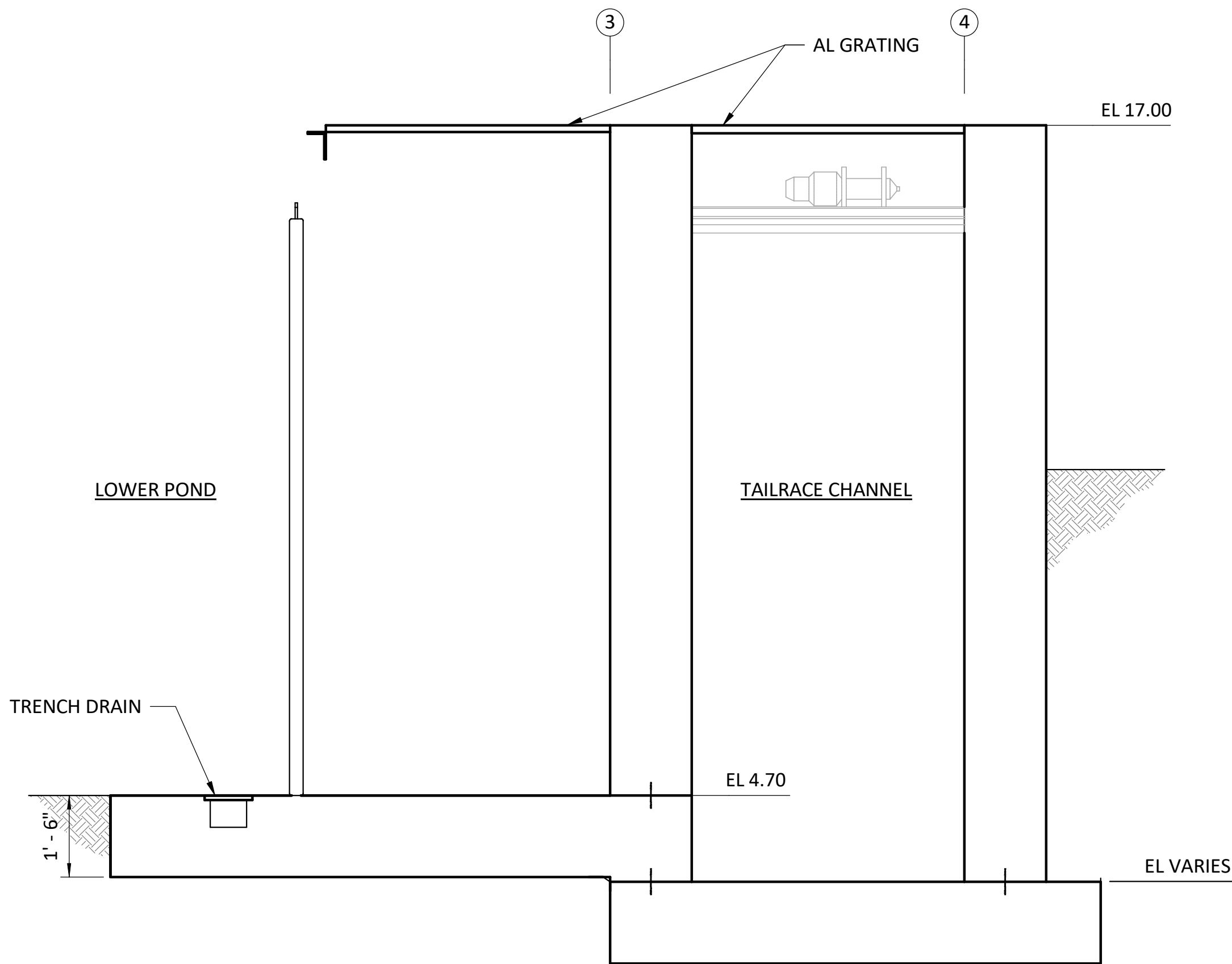
DRAWING
5S-7



				PRELIMINARY NOT FOR CONSTRUCTION	WARNING 0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.	McMillen 1471 Shoreline Dr. Ste 100 • Boise, ID 83702 (208) 342-4214 mcmillen.com		TULALIP TRIBES		DESIGNED _____ AG	DRAWING 5S-8
							TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT		DRAWN _____ STN		
							LOWER POND AND RACEWAYS FOUNDATION REINFORCEMENT PLAN 2		CHECKED _____ ST		
									ISSUED DATE _____		
A	06/29/26	RM	PRE-FINAL DESIGN								
REV	DATE	BY	DESCRIPTION							Exhibit E 2 Page 77 of 161	Exhibit E 2 Page 77 of 161

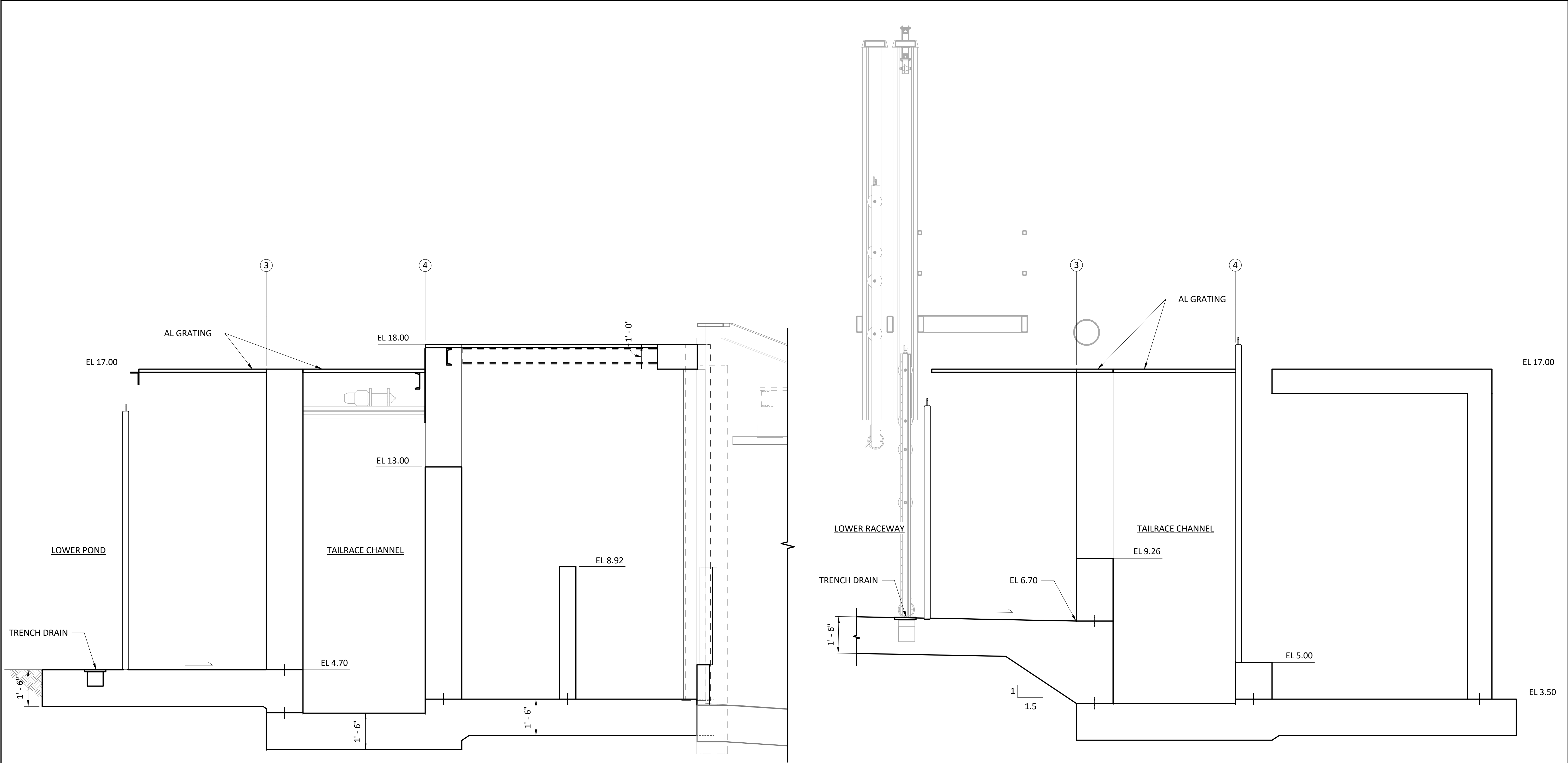


F
SECTION
SCALE: 1/2" = 1'-0"



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

				PRELIMINARY NOT FOR CONSTRUCTION	WARNING 0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.	McMillen 1471 Shoreline Dr. Ste 100, Boise, ID 83702 (208) 342-4214 mcmillen.com		TULALIP TRIBES	DESIGNED AG	DRAWING 5S-9
							TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	DRAWN STN		
							LOWER POND AND RACEWAYS SECTIONS 1	CHECKED ST		
								ISSUED DATE 06/29/2026		
A	06/29/26	RM	PRE-FINAL DESIGN							
REV	DATE	BY	DESCRIPTION							Exhibit E.2 Page 78 of 161



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

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

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

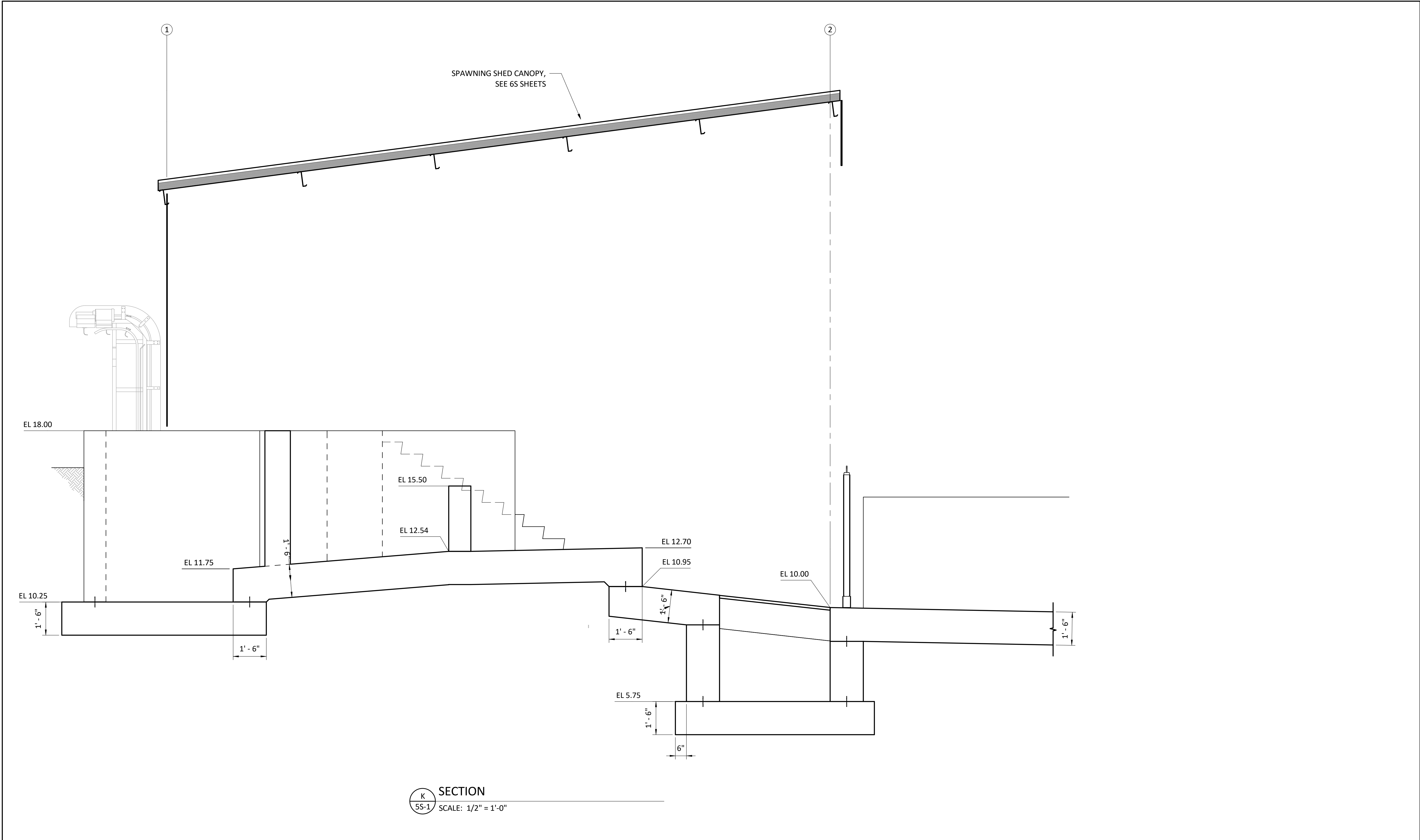
WARNING
0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



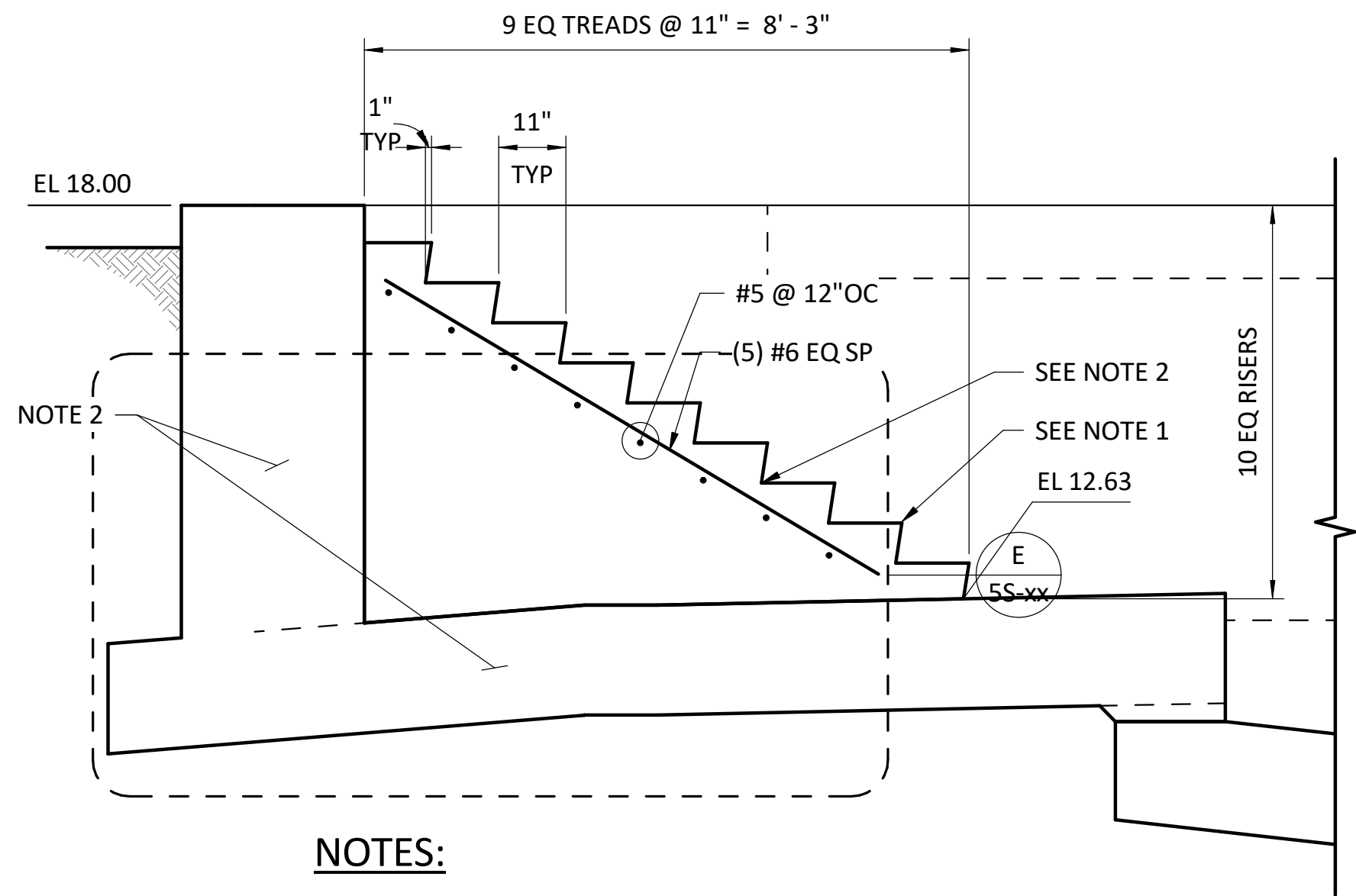
TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT
LOWER POND AND RACEWAYS SECTIONS 2

DESIGNED	AG
DRAWN	STN
CHECKED	ST
ISSUED DATE	06/29/26

DRAWING
5S-10

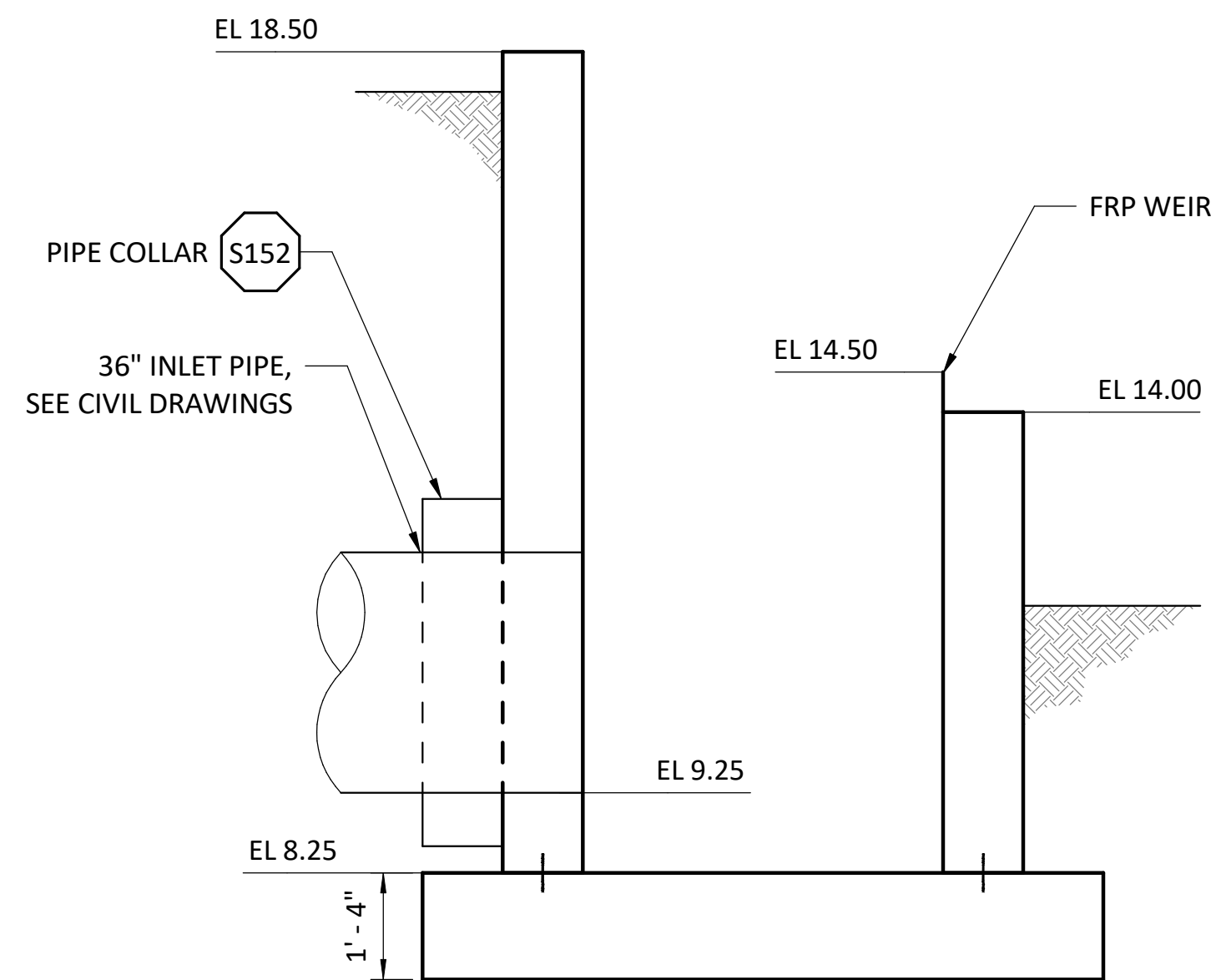


				PRELIMINARY NOT FOR CONSTRUCTION	WARNING 0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.	McMillen 1471 Shoreline Dr. Ste 100, Boise, ID 83702 (208) 342-4214 mcmullen.com		TULALIP TRIBES		DESIGNED AG	DRAWING 5S-11							
							TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT			DRAWN STN								
							LOWER POND AND RACEWAYS SECTIONS 3			CHECKED ST								
									ISSUED DATE 06/29/2026									
A	06/29/26	RM	PRE-FINAL DESIGN														Exhibit E.2 Page 80 of 161	
REV	DATE	BY	DESCRIPTION														Exhibit E.2 Page 80 of 161	

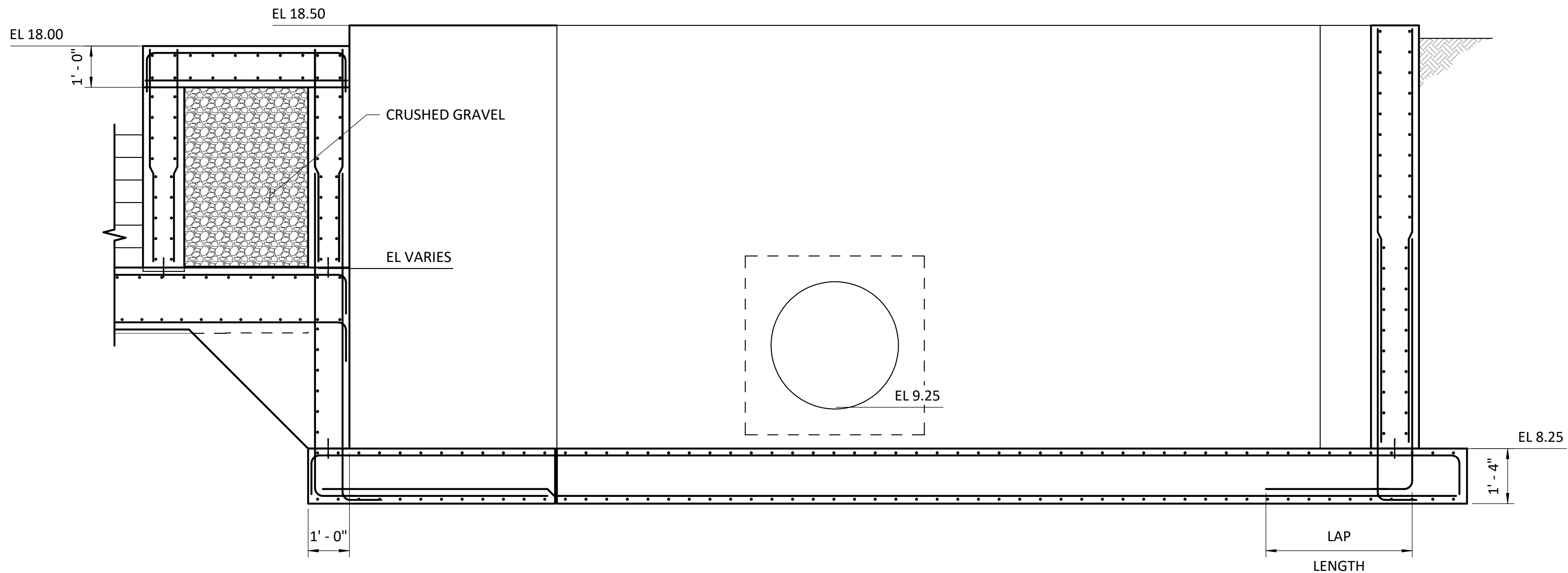


- NOTES:**
- 1. FINISH STAIR NOSING WITH WITH SAFETY STEP HAND GROOVER TOOL (MARSHALLTOWN PART 4282D OR EQUAL).
 - 2. TYPICAL WALL AND SLAB REINFORCEMENT NOT SHOWN.

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



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



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

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING

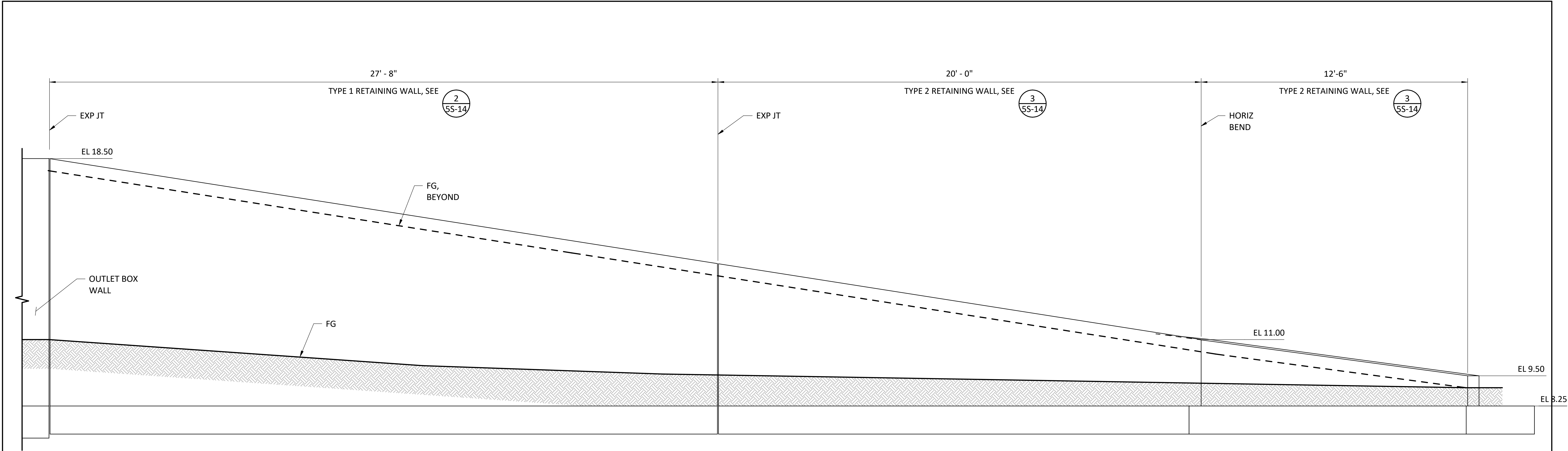
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.



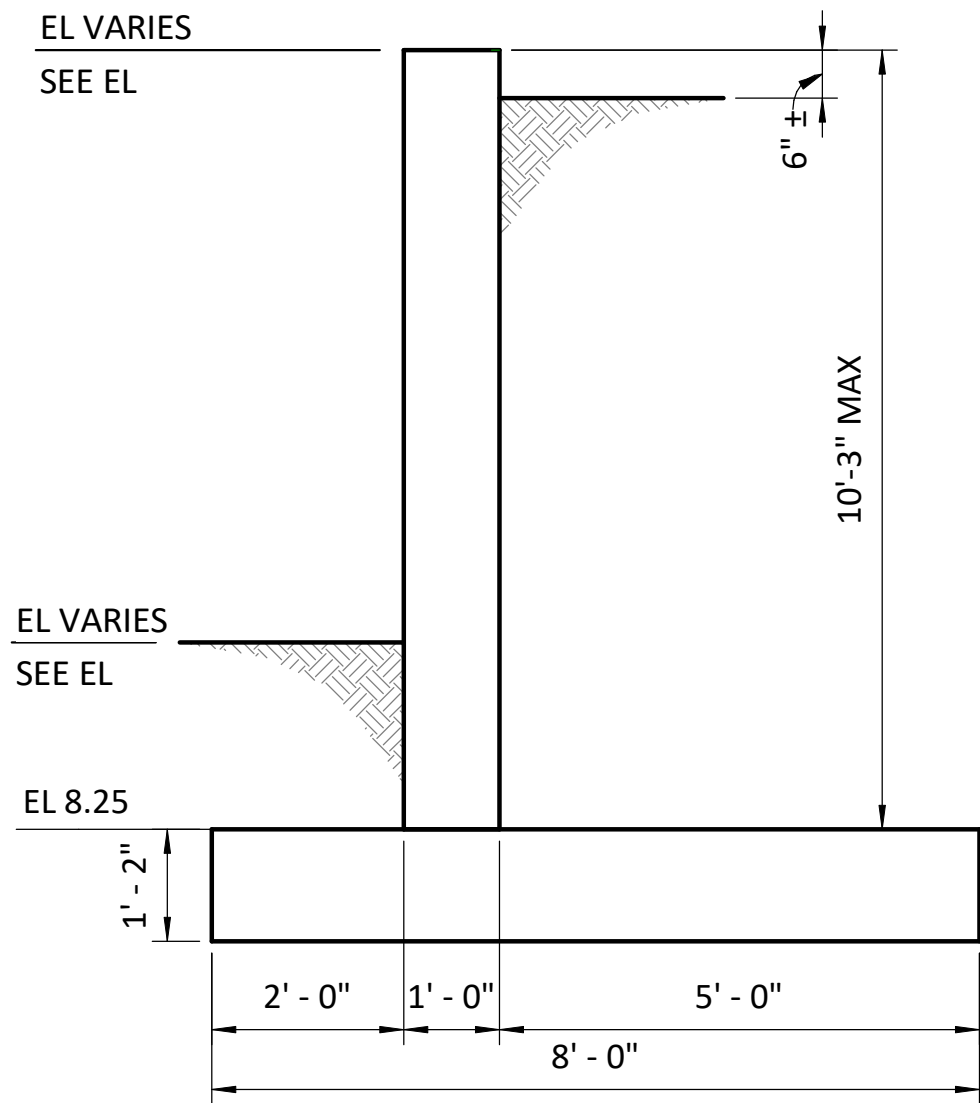
TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT
LOWER POND AND RACEWAY SECTIONS 4

DESIGNED	Designer
DRAWN	Author
CHECKED	Checker
ISSUED DATE	06/29/2026

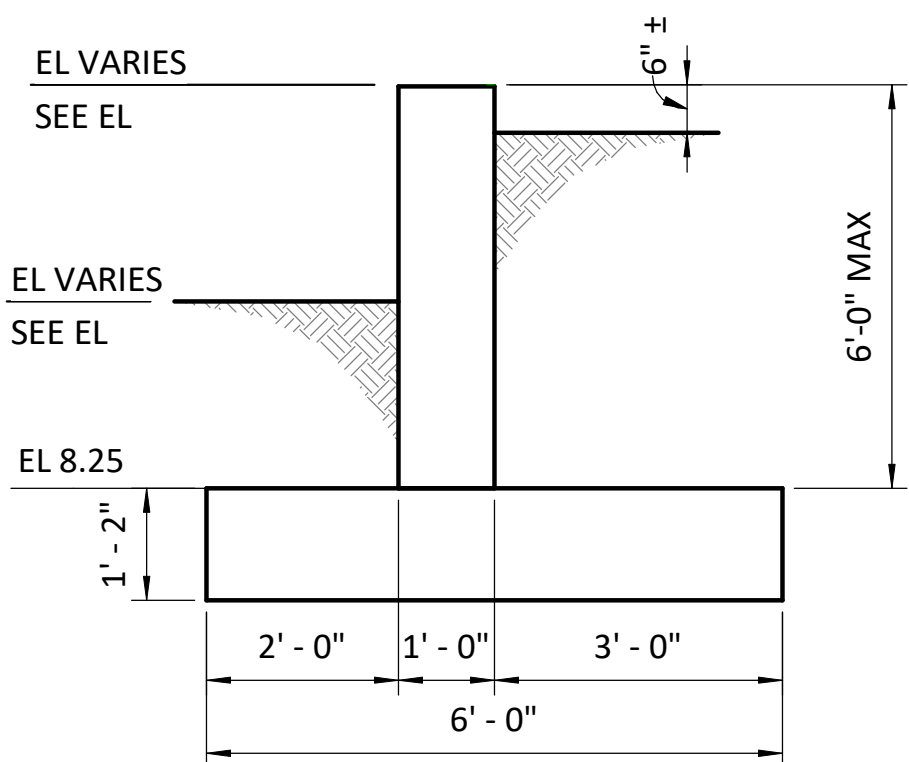
DRAWING
5S-12
Exhibit E 2 Page 81 of 161



1 RETAINING WALL ELEVATION
SCALE: 1/2" = 1'-0"



2 RETAINING WALL - TYPE 1
SCALE: 1/2" = 1'-0"



3 RETAINING WALL - TYPE 2
SCALE: 1/2" = 1'-0"

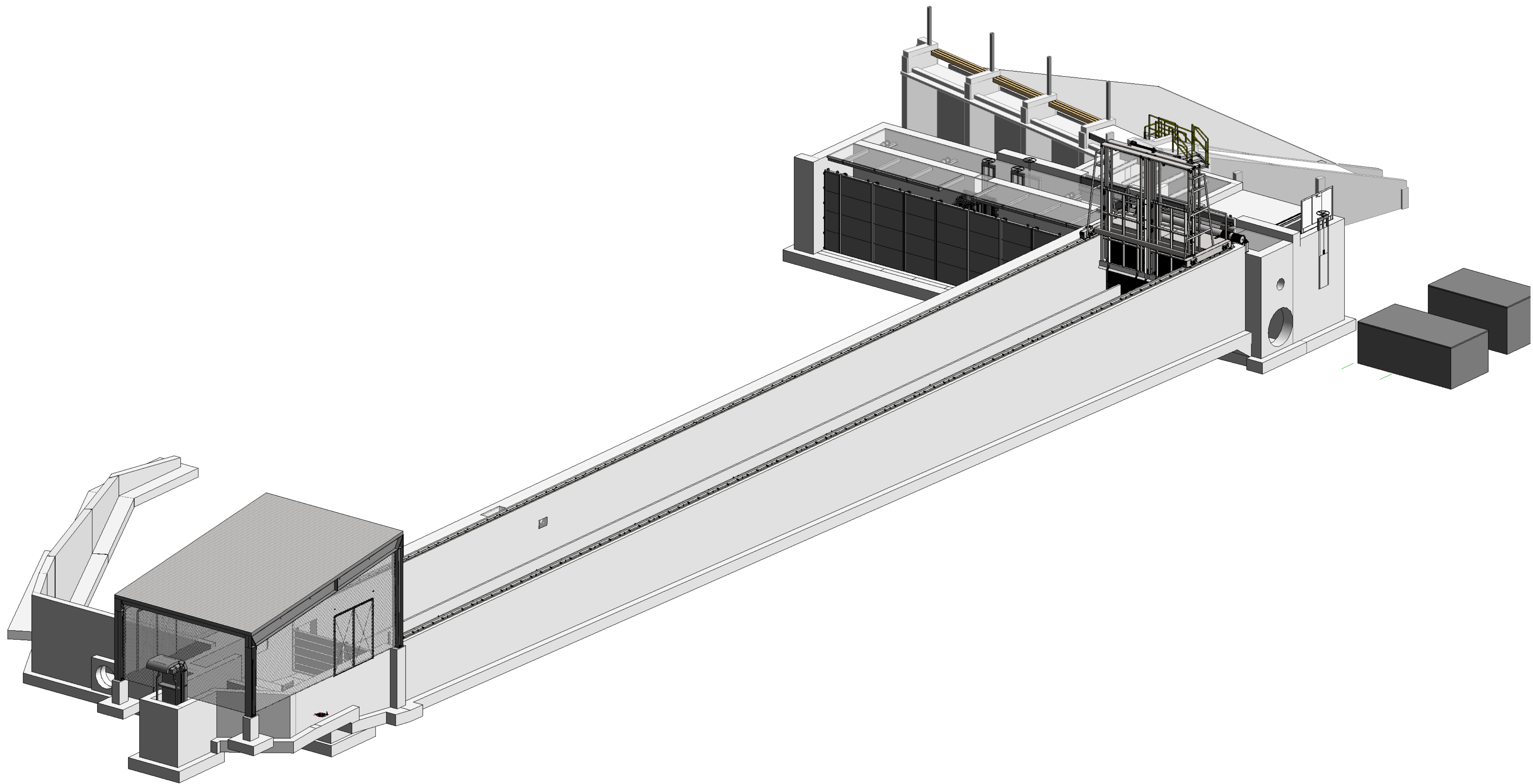
A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING
0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



TULALIP TRIBES	DESIGNED AG	DRAWING 5S-14
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	DRAWN STN	
LOWER POND AND RACEWAY DETAILS 2	CHECKED ST	
	ISSUED DATE 06/29/26	



LOWER POND AND RACEWAYS ISOMETRIC

SCALE:

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING

0 1/2 1

IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



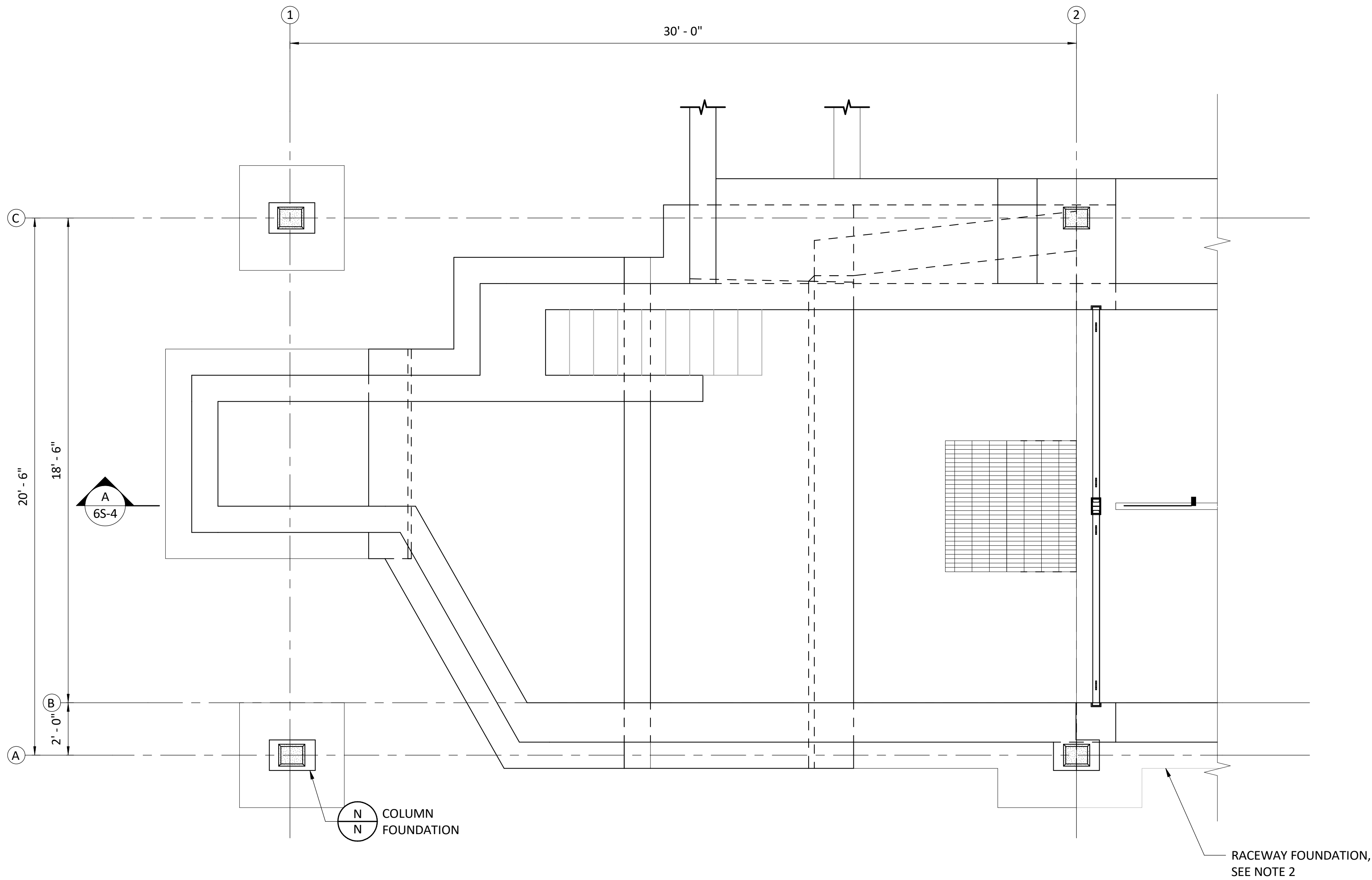
TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT
LOWER POND AND RACEWAYS ISOMETRIC VIEWS

DESIGNED	AG
DRAWN	STN
CHECKED	ST
ISSUED DATE	06/29/26

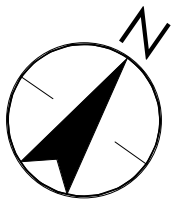
DRAWING
5S-21

GENERAL SHEET NOTES

1. FOUNDATION DETAILS FOR THE PEMB ARE PRELIMINARY AND MUST BE VERIFIED PRIOR TO CONSTRUCTION BASED ON PEMB MANUFACTURER DIMENSIONS AND COLUMN REACTIONS.
2. FOR ADDITIONAL FOUNDATION DIMENSIONS AND DETAILS, INCLUDING RACEWAY FOUNDATION, SEE 5S DRAWINGS.



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



A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING

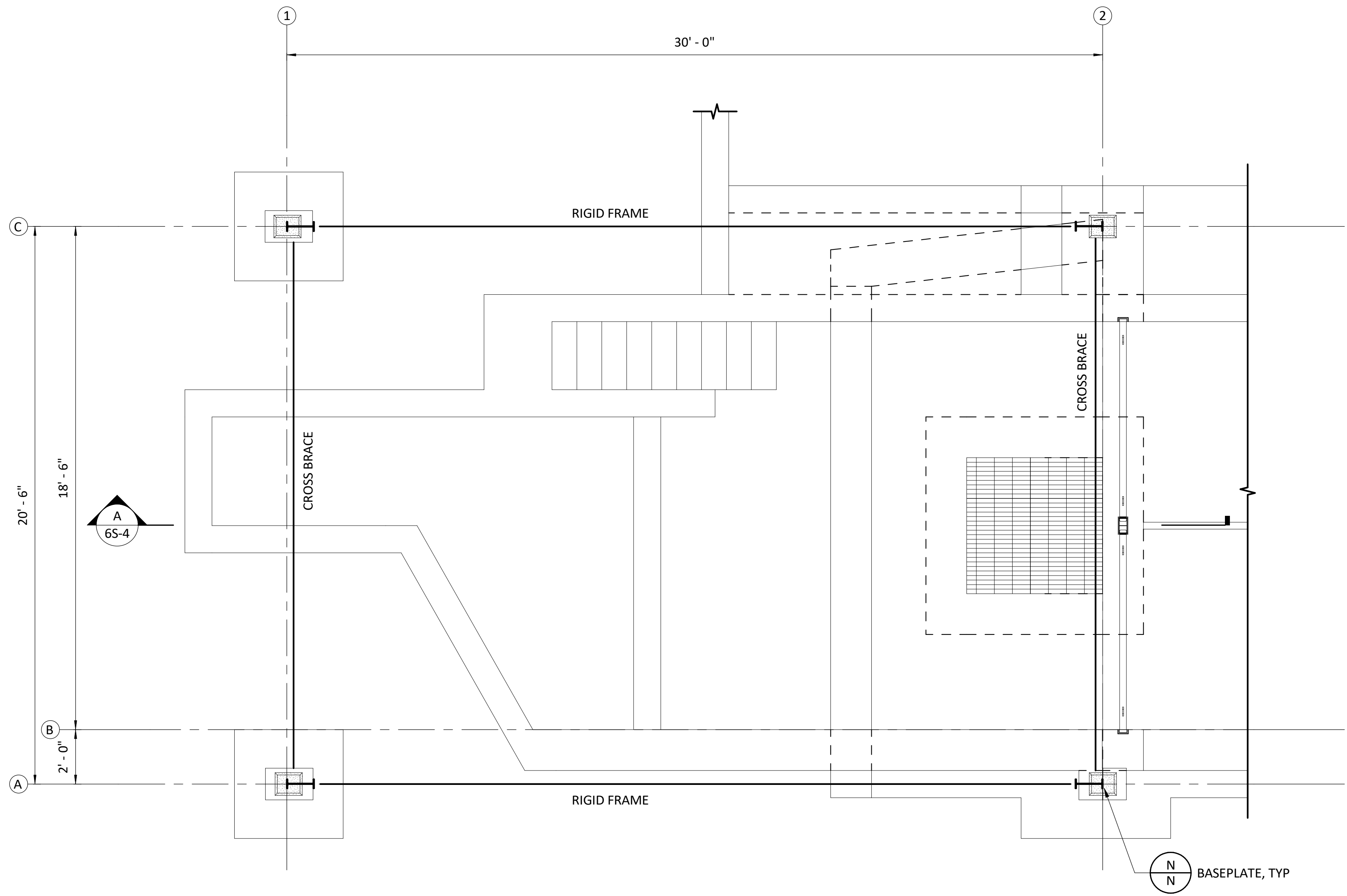
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



TULALIP TRIBES		DESIGNED _____ AG	DRAWING 6S-1
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT		DRAWN _____ STN	
SPAWNING SHED FOUNDATION PLAN		CHECKED _____ ST	
		ISSUED DATE _____	

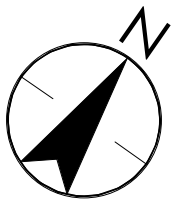
GENERAL SHEET NOTES

1. FOR GENERAL STRUCTURAL NOTES SEE DRAWINGS GS-1 AND GS-2.
2. FOUNDATION DETAILS FOR THE PEMB ARE PRELIMINARY AND MUST BE VERIFIED PRIOR TO CONSTRUCTION BASED ON PEMB MANUFACTURER DIMENSIONS AND COLUMN REACTIONS.
3. FOR ADDITIONAL FOUNDATION DEMINSIONS AND DETAILS, INCLUDING RACEWAY FOUNDATION, SEE 5S DRAWINGS.



FRAMING PLAN

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



A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING

0 1/2 1

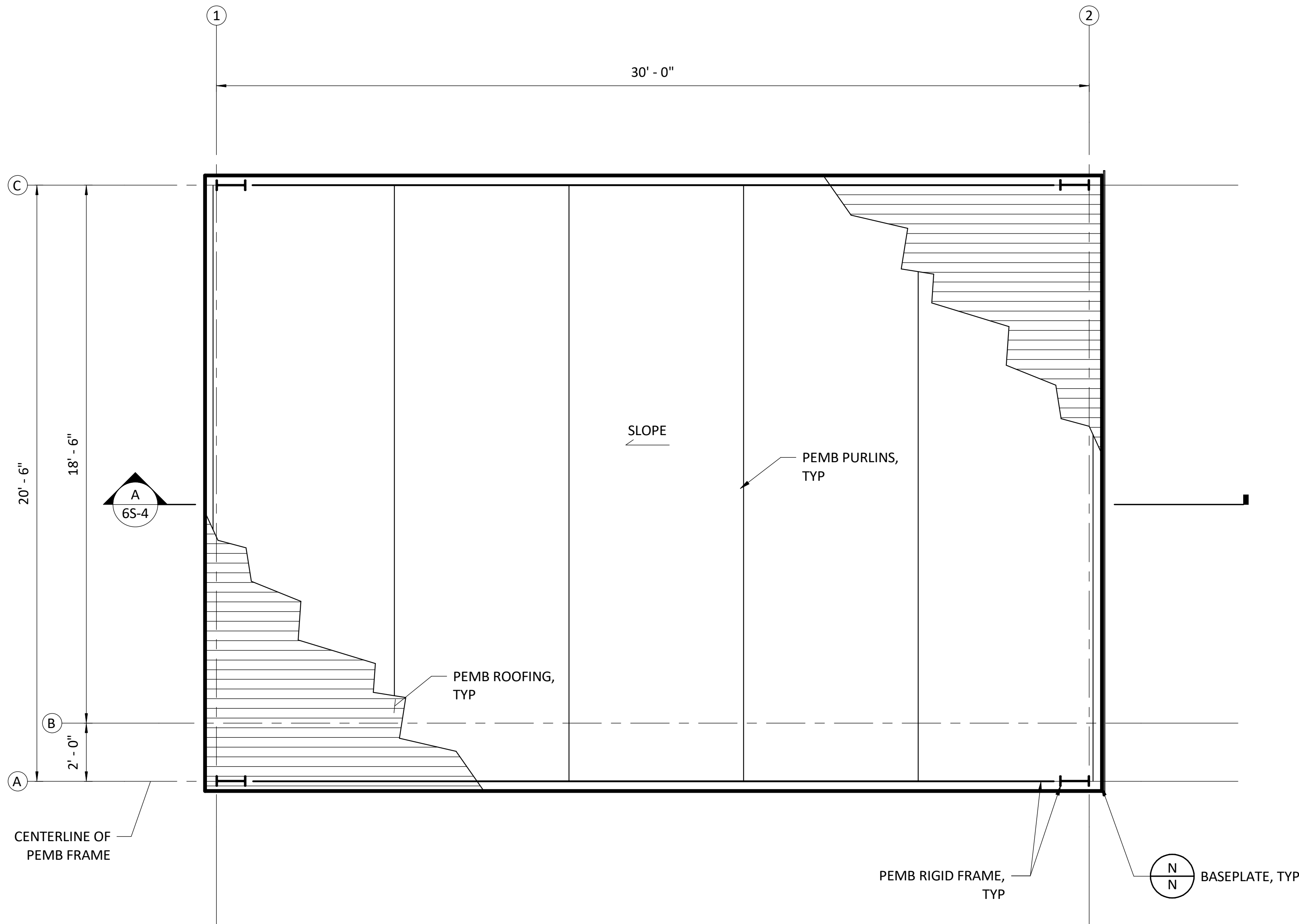
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



TULALIP TRIBES	DESIGNED AG	DRAWING
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	DRAWN STN	6S-2
SPAWNING SHED FRAMING PLAN	CHECKED ST	
	ISSUED DATE 06/29/26	

GENERAL SHEET NOTES

1. FOR GENERAL STRUCTURAL NOTES SEE DRAWINGS GS-1 AND GS-2.
2. PEMB MANUFACTURER TO VERIFY DIMENSIONS NOTED.



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

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING

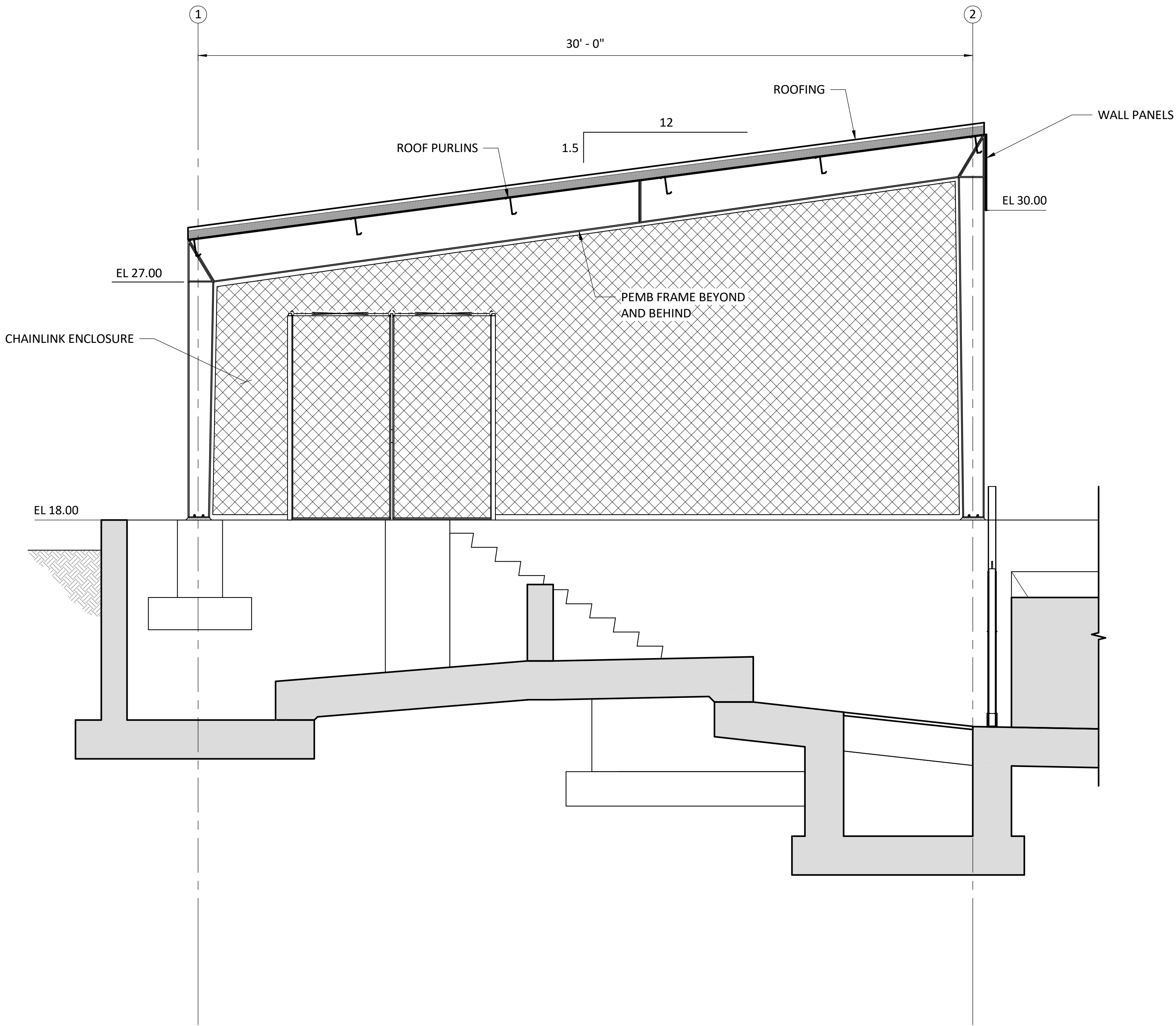
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



TULALIP TRIBES	DESIGNED <u>AG</u>	DRAWING 6S-3
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	DRAWN <u>STN</u>	
SPAWNING SHED ROOF PLAN	CHECKED <u>ST</u>	
	ISSUED DATE <u>06/29/2026</u>	

GENERAL SHEET NOTES

1. FOR GENERAL STRUCTURAL NOTES SEE DRAWINGS GS-1 AND GS-2.
2. PEMB MANUFACTURER TO VERIFY DIMENSIONS NOTED.



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

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING

IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



TULALIP TRIBES		DESIGNED	AG
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT		DRAWN	STN
SPAWNING SHED SECTIONS		CHECKED	ST
		ISSUED DATE	06/29/26

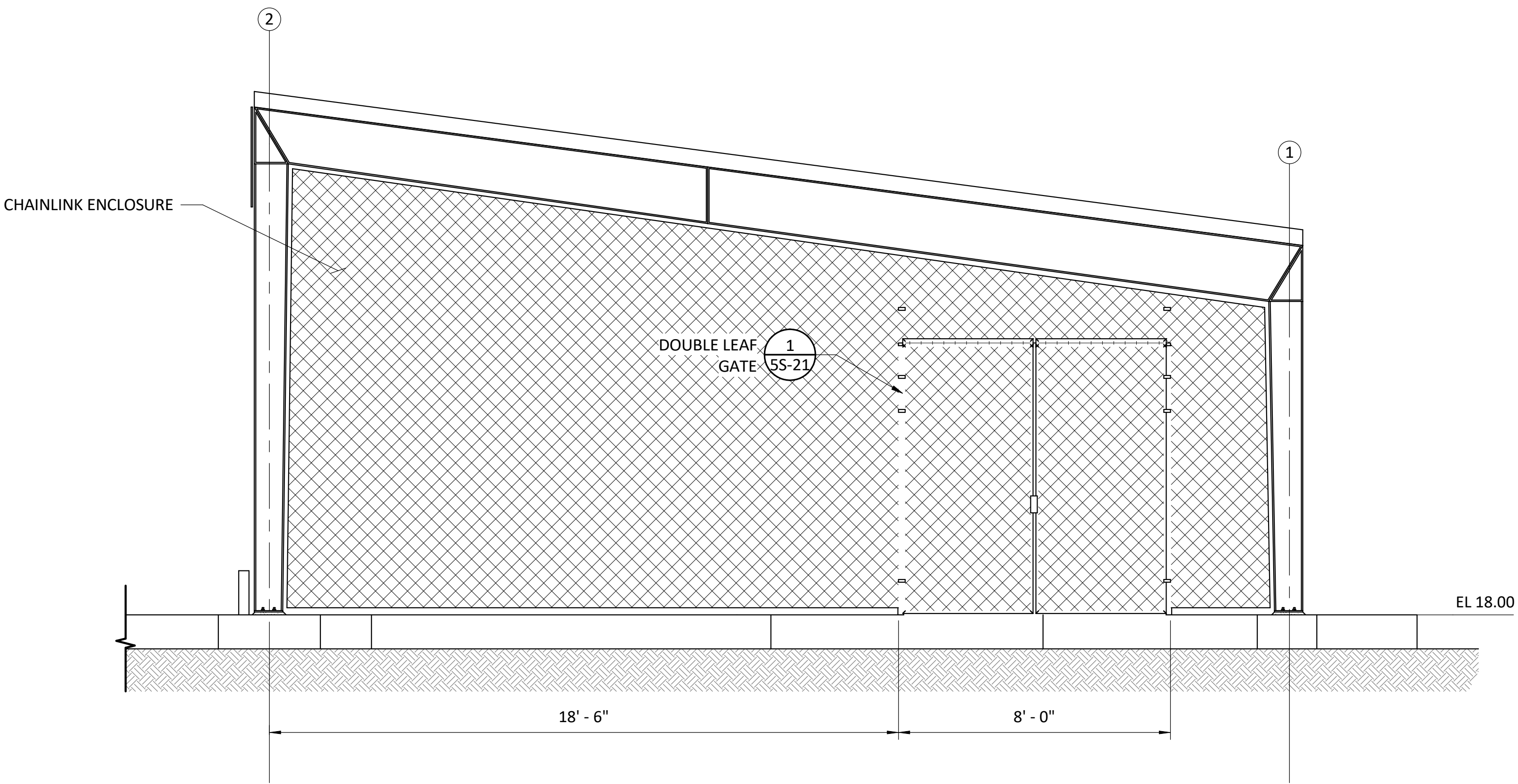
DRAWING

6S-4

- GENERAL SHEET NOTES
1.

FOR GENERAL STRUCTURAL NOTES SEE DRAWINGS GS-1 AND GS-2.
2.

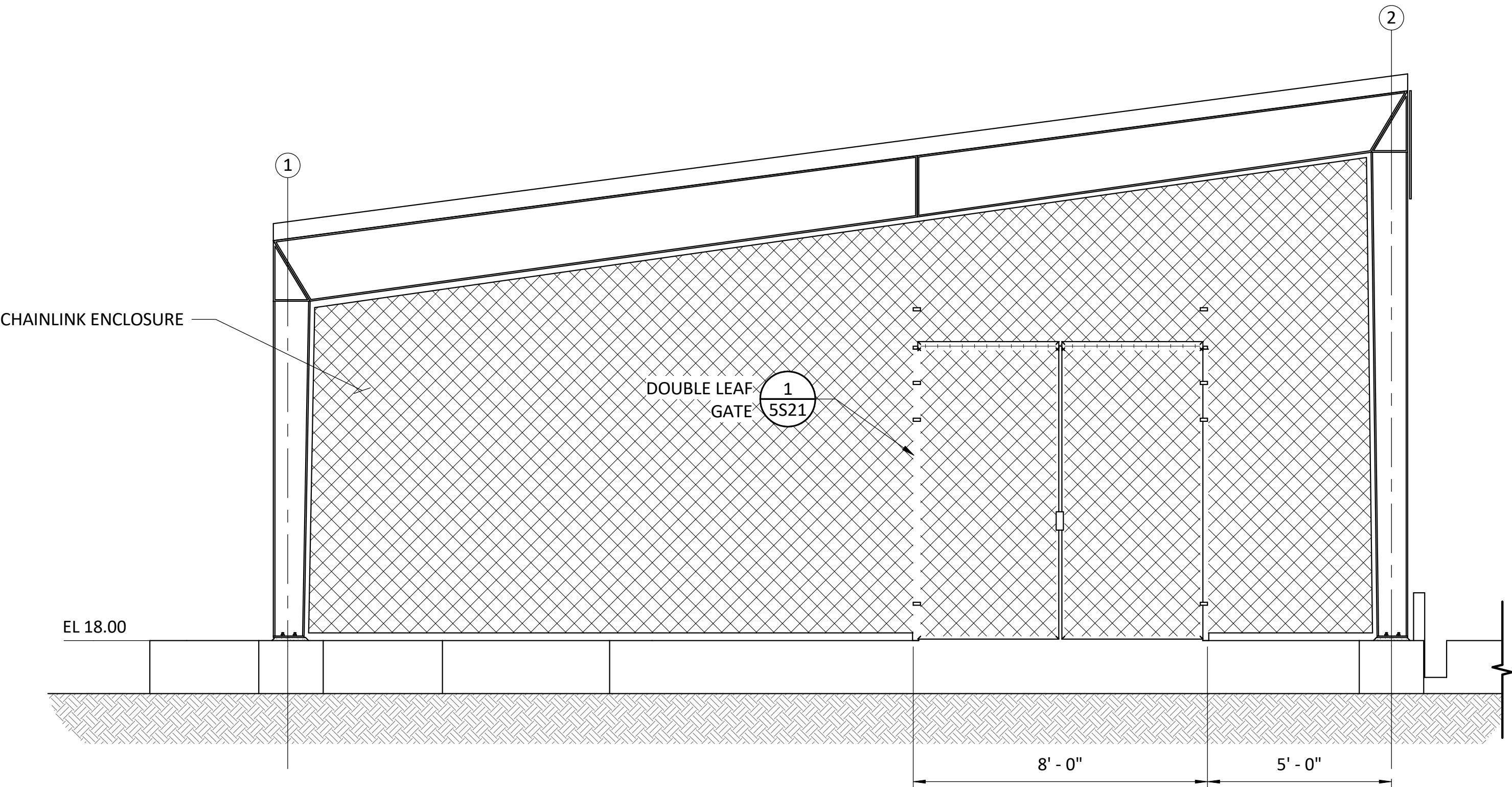
PEMB MANUFACTURER TO VERIFY DIMENSIONS NOTED.



1

NORTH ELEVATION

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



2

SOUTH ELEVATION

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

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY

NOT FOR CONSTRUCTION

WARNING

0

1/2

1

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.



TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT
SPAWNING SHED ELEVATIONS 1

DESIGNED	AG
DRAWN	STN
CHECKED	ST
ISSUED DATE	06/29/2026

DRAWING

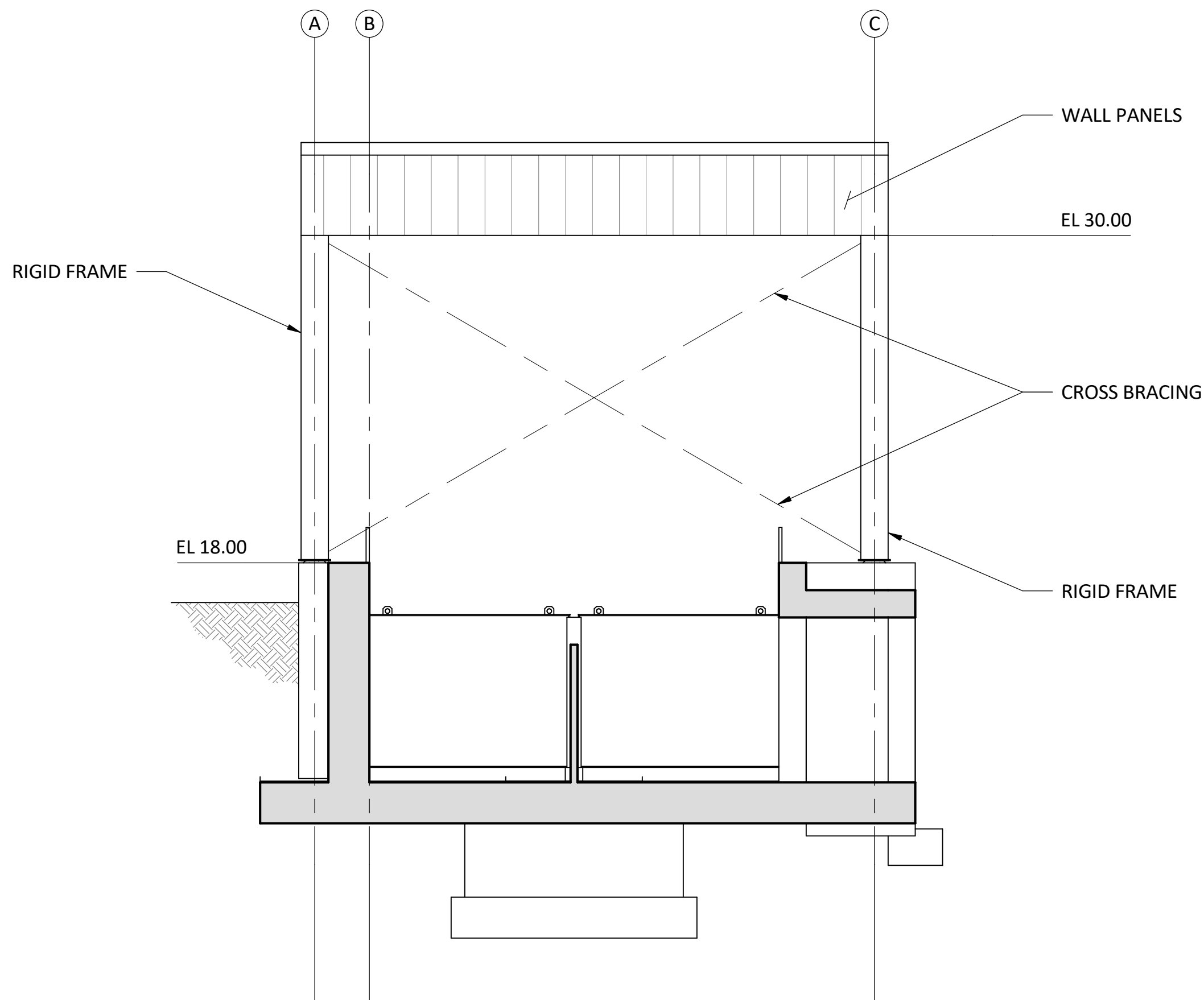
6S-5

Exhibit E.2 Page 91 of 161

- GENERAL SHEET NOTES
1.

FOR GENERAL STRUCTURAL NOTES SEE DRAWINGS GS-1 AND GS-2.
2.

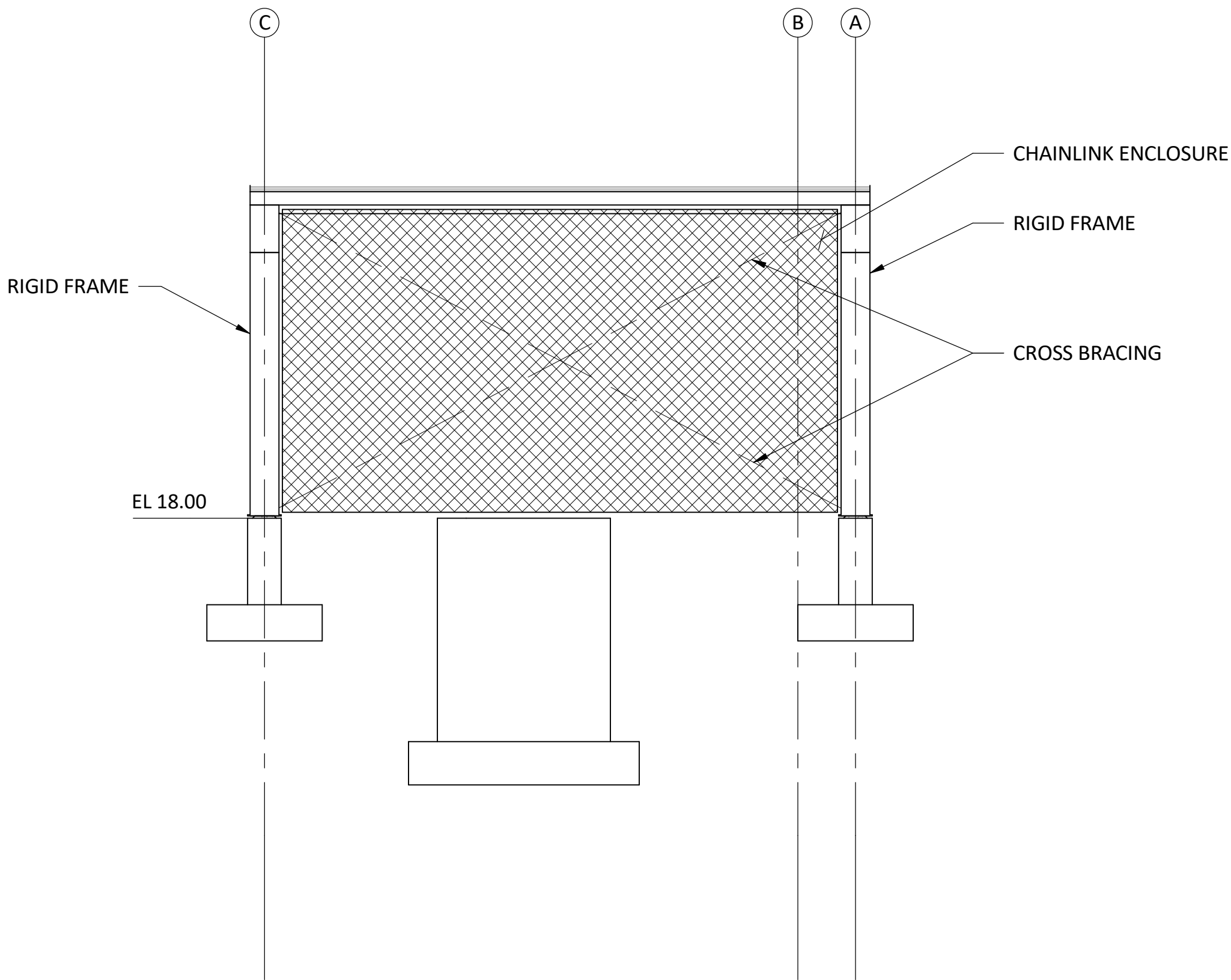
PEMB MANUFACTURER TO VERIFY DIMENSIONS NOTED.



2

EAST ELEVATION

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



1

WEST ELEVATION

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

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY

NOT FOR CONSTRUCTION

WARNING

0

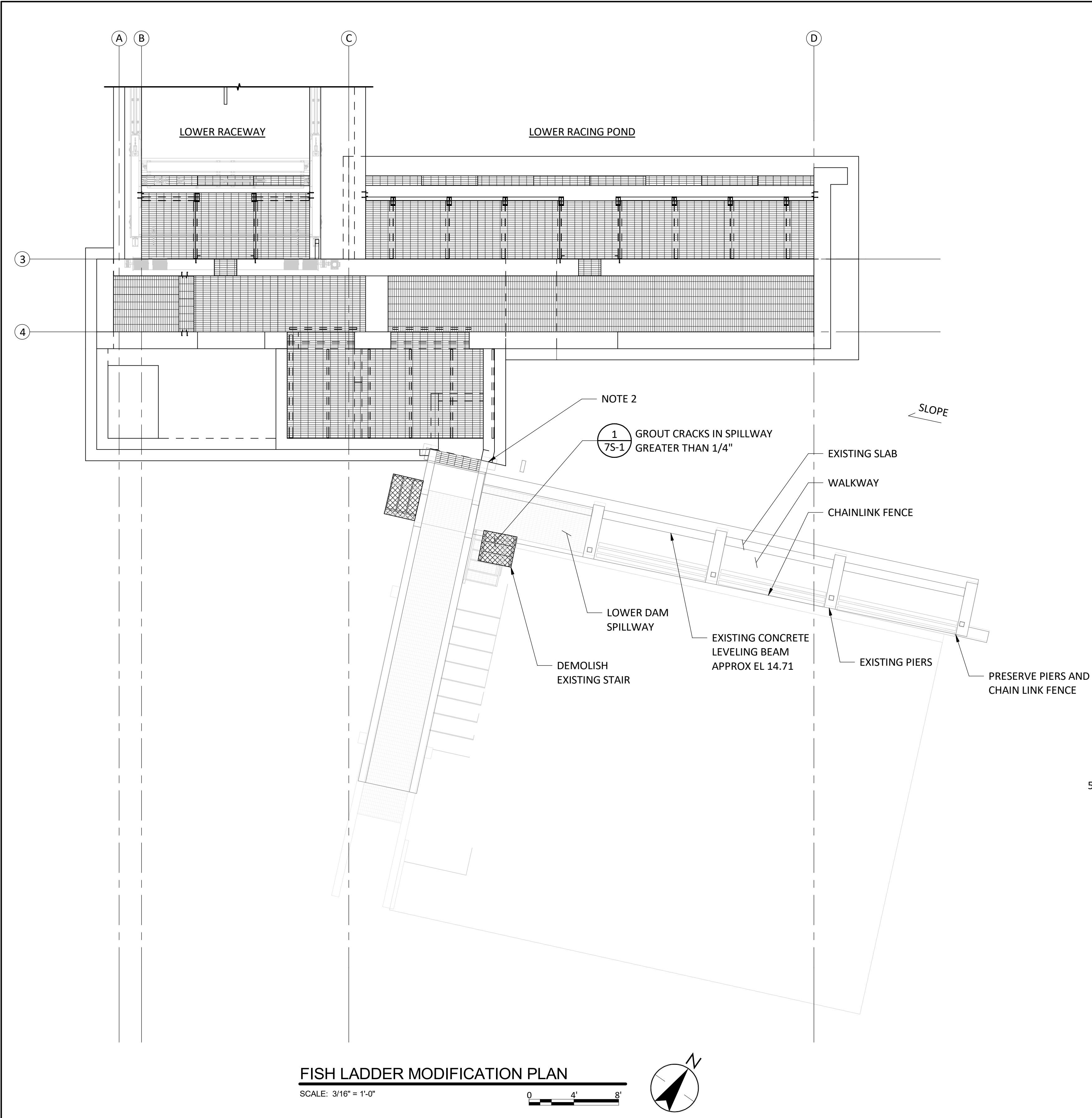
1/2

1

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.



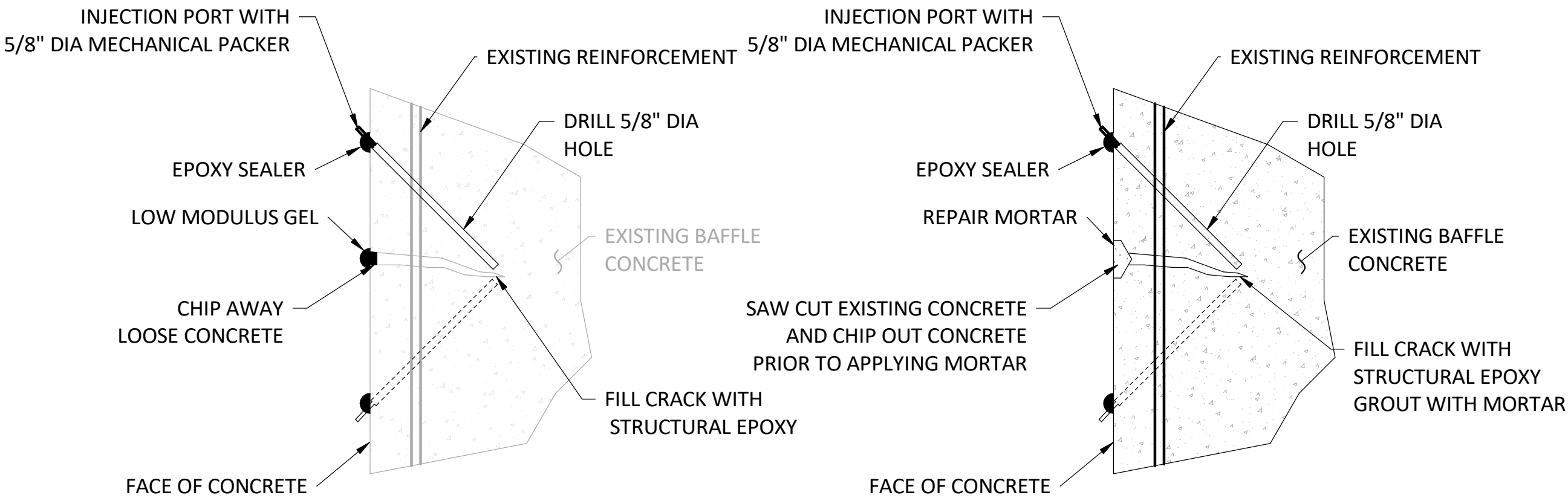
TULALIP TRIBES		DESIGNED _____ AG	DRAWING 6S-6	
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT				DRAWN _____ STN
SPAWNING SHED ELEVATIONS 2				
		ISSUED DATE <u>06/29/2028</u>		
		Exhibit E 2 Page 92 of 161		
		Exhibit E 2 Page 92 of 161		



- GENERAL SHEET NOTES
- GENERAL NOTES
1.

REPAIR CRACKS WITH WITDTH GREATER THAN 1/4-INCH. FOR ADDITIONAL INFORMATION SEE SPECIFICATION 03 01 30 CONCRETE REPAIR AND REHABILITATION.
2.

FOR CONNECTION AND INTERFACE WITH FACILITY 5, SEE 55 DRAWINGS.



A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING

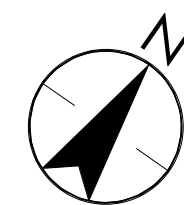
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.



TULALIP TRIBES		DESIGNED	AG	DRAWING 7S-1
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT		DRAWN	STN	
FISH LADDER MODIFICATIONS PLAN		CHECKED	ST	
		ISSUED DATE	06/29/2026	

GENERAL NOTES

-
- The image contains three architectural drawings for a bridge and spillway project:
- Plan View (Top):** Shows the layout of the bridge and spillway. Key features include:
 - Bridge:** A structure with a width of 3'-0" and a height of 7'-9". It features C8x11.5 beams and a span of 4'-0". The top of the bridge is at TOG EL 15.90.
 - Spillway:** A structure with a width of 4'-0" and a height of 7'-9". It features C8x11.5 beams and a span of 4'-0". The top of the spillway is at EL 11.90.
 - Stair:** A structure with a width of 4'-0" and a height of 7'-9". It features 12 treads @ 1'-5.25" = 17'-3" and 14 risers @ 6.84" = 7'-9.8".
 - Grating:** 2" ALUMINUM GRATING 4'-0" MINIMUM PANEL WIDTH, TYP.
 - Timbers:** REPLACE PRESSURE TREATED 4"x6" TIMBERS, TYP.
 - Demolition:** DEMOLISH EXISTING PREDATORY EXCLUSION SCREEN AT LOCATION OF GRATING BRIDGE.
 - Existing Fish Ladder:** EXISTING FISH LADDER GRATING.
 - Demolition:** DEMOLISH EXISTING SPILLWAY AT EXTENT OF STAIR, REPAIR EXISTING SPILLWAY AT EXTENT OF DEMOLITION WHERE NECESSARY.
 - Dimensions:** 3'-0", 7'-9", 4'-0", 12 TREADS @ 1'-5.25" = 17'-3", 14 RISERS @ 6.84" = 7'-9.8", 4'-0", 6'-0", 4'-4 1/4", 3'-3", 3'-3", 3'-3".
 - Labels:** TOG EL 15.90, EL 11.90, EX SPILLWAY, CL DAVIT, EXISTING BAR SCREEN, APPROX LOCATION, DEMOLISH EXISTING DAVIT CRANE PEDESTAL, REPLACE WITH PEDESTAL, 3 7S-2, 4 7S-2, A 7S-2, S-501, 2" ALUMINUM GRATING 4'-0" MINIMUM PANEL WIDTH, TYP, REPLACE PRESSURE TREATED 4"x6" TIMBERS, TYP, DEMOLISH EXISTING PREDATORY EXCLUSION SCREEN AT LOCATION OF GRATING BRIDGE, EXISTING FISH LADDER GRATING, DEMOLISH EXISTING SPILLWAY AT EXTENT OF STAIR, REPAIR EXISTING SPILLWAY AT EXTENT OF DEMOLITION WHERE NECESSARY, 12 TREADS @ 1'-5.25" = 17'-3", 14 RISERS @ 6.84" = 7'-9.8", 4'-0", 6'-0", 4'-4 1/4", 3'-3", 3'-3", 3'-3".
 - Section View (Middle):** Shows a cross-section of the bridge and spillway. Key features include:
 - Bridge:** A structure with a width of 3'-3" and a height of 7'-9". It features C8x11.5 beams and a span of 4'-0". The top of the bridge is at TOG EL 15.90.
 - Spillway:** A structure with a width of 4'-0" and a height of 7'-9". It features C8x11.5 beams and a span of 4'-0". The top of the spillway is at EL 11.90.
 - Stair:** A structure with a width of 4'-0" and a height of 7'-9". It features 12 treads @ 1'-5.25" = 17'-3" and 14 risers @ 6.84" = 7'-9.8".
 - Grating:** 2" ALUMINUM GRATING 4'-0" MINIMUM PANEL WIDTH, TYP.
 - Timbers:** REPLACE PRESSURE TREATED 4"x6" TIMBERS, TYP.
 - Demolition:** DEMOLISH EXISTING PREDATORY EXCLUSION SCREEN AT LOCATION OF GRATING BRIDGE.
 - Existing Fish Ladder:** EXISTING FISH LADDER GRATING.
 - Demolition:** DEMOLISH EXISTING SPILLWAY AT EXTENT OF STAIR, REPAIR EXISTING SPILLWAY AT EXTENT OF DEMOLITION WHERE NECESSARY.
 - Dimensions:** 3'-3", 7'-9", 4'-0", 12 TREADS @ 1'-5.25" = 17'-3", 14 RISERS @ 6.84" = 7'-9.8", 4'-0", 6'-0", 4'-4 1/4", 3'-3", 3'-3", 3'-3".
 - Labels:** TOG EL 15.90, EL 11.90, EX SPILLWAY, CL DAVIT, EXISTING BAR SCREEN, APPROX LOCATION, DEMOLISH EXISTING DAVIT CRANE PEDESTAL, REPLACE WITH PEDESTAL, 3 7S-2, 4 7S-2, A 7S-2, S-501, 2" ALUMINUM GRATING 4'-0" MINIMUM PANEL WIDTH, TYP, REPLACE PRESSURE TREATED 4"x6" TIMBERS, TYP, DEMOLISH EXISTING PREDATORY EXCLUSION SCREEN AT LOCATION OF GRATING BRIDGE, EXISTING FISH LADDER GRATING, DEMOLISH EXISTING SPILLWAY AT EXTENT OF STAIR, REPAIR EXISTING SPILLWAY AT EXTENT OF DEMOLITION WHERE NECESSARY, 12 TREADS @ 1'-5.25" = 17'-3", 14 RISERS @ 6.84" = 7'-9.8", 4'-0", 6'-0", 4'-4 1/4", 3'-3", 3'-3", 3'-3".
 - Plan Section View (Bottom):** Shows a cross-section of the bridge and spillway. Key features include:
 - Bridge:** A structure with a width of 3'-3" and a height of 7'-9". It features C8x11.5 beams and a span of 4'-0". The top of the bridge is at TOG EL 15.90.
 - Spillway:** A structure with a width of 4'-0" and a height of 7'-9". It features C8x11.5 beams and a span of 4'-0". The top of the spillway is at EL 11.90.
 - Stair:** A structure with a width of 4'-0" and a height of 7'-9". It features 12 treads @ 1'-5.25" = 17'-3" and 14 risers @ 6.84" = 7'-9.8".
 - Grating:** 2" ALUMINUM GRATING 4'-0" MINIMUM PANEL WIDTH, TYP.
 - Timbers:** REPLACE PRESSURE TREATED 4"x6" TIMBERS, TYP.
 - Demolition:** DEMOLISH EXISTING PREDATORY EXCLUSION SCREEN AT LOCATION OF GRATING BRIDGE.
 - Existing Fish Ladder:** EXISTING FISH LADDER GRATING.
 - Demolition:** DEMOLISH EXISTING SPILLWAY AT EXTENT OF STAIR, REPAIR EXISTING SPILLWAY AT EXTENT OF DEMOLITION WHERE NECESSARY.
 - Dimensions:** 3'-3", 7'-9", 4'-0", 12 TREADS @ 1'-5.25" = 17'-3", 14 RISERS @ 6.84" = 7'-9.8", 4'-0", 6'-0", 4'-4 1/4", 3'-3", 3'-3", 3'-3".
 - Labels:** TOG EL 15.90, EL 11.90, EX SPILLWAY, CL DAVIT, EXISTING BAR SCREEN, APPROX LOCATION, DEMOLISH EXISTING DAVIT CRANE PEDESTAL, REPLACE WITH PEDESTAL, 3 7S-2, 4 7S-2, A 7S-2, S-501, 2" ALUMINUM GRATING 4'-0" MINIMUM PANEL WIDTH, TYP, REPLACE PRESSURE TREATED 4"x6" TIMBERS, TYP, DEMOLISH EXISTING PREDATORY EXCLUSION SCREEN AT LOCATION OF GRATING BRIDGE, EXISTING FISH LADDER GRATING, DEMOLISH EXISTING SPILLWAY AT EXTENT OF STAIR, REPAIR EXISTING SPILLWAY AT EXTENT OF DEMOLITION WHERE NECESSARY, 12 TREADS @ 1'-5.25" = 17'-3", 14 RISERS @ 6.84" = 7'-9.8", 4'-0", 6'-0", 4'-4 1/4", 3'-3", 3'-3", 3'-3".



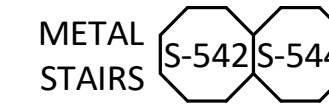
SECTION



SCALE: 1" = 1'-0"



SCALE: 1" = 1'-0"



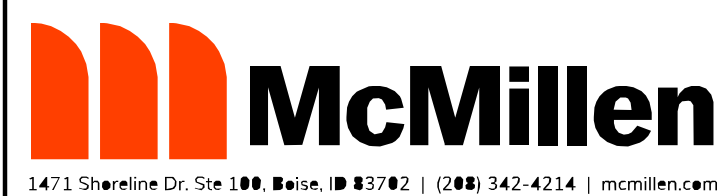
SCALE: 1" = 1'-0'

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING



IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



DESIGNED _____	AG
DRAWN _____	STN
CHECKED _____	ST

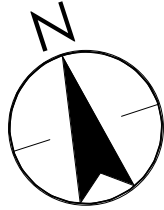
ISSUED DATE	06/29/2026
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DRAWING

'S-2

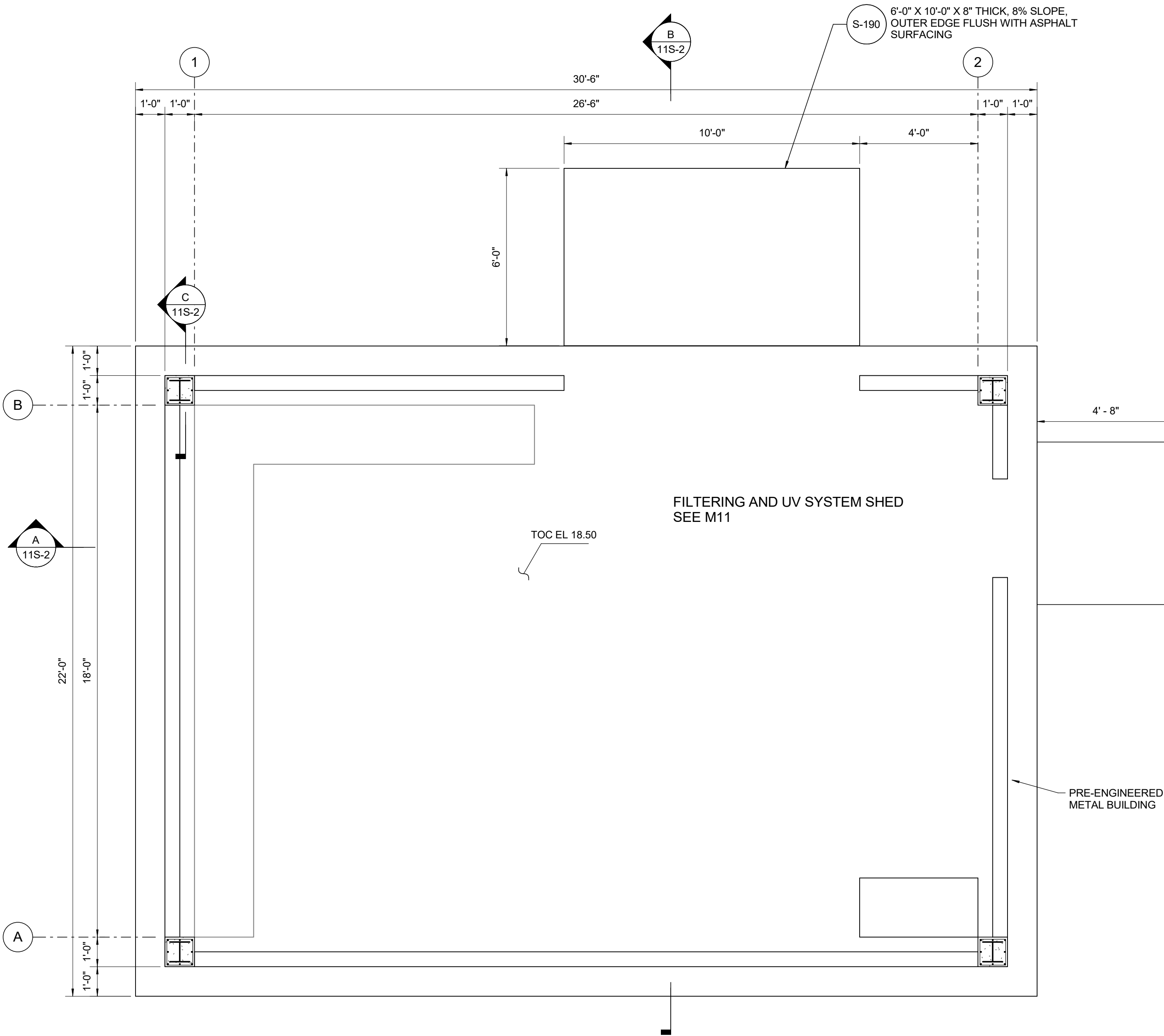
1. ALUMINUM SAFETY GRATING SHALL BE GRATING PACIFIC GRIP STRUT 8-DIAMOND PLANK, OR EQUAL.
2. LANDING AT THE BOTTOM OF THE STEPS SHALL PROVIDE, AT MINIMUM, A 3'-0" WORKING SPACE CENTERED AT THE DAVIT CRANE.
3. HYDROPHOBIC WATERSTOP AND SEALANT AROUND PERIMETER OF STAIRS.
4. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS AND ELEVATIONS.





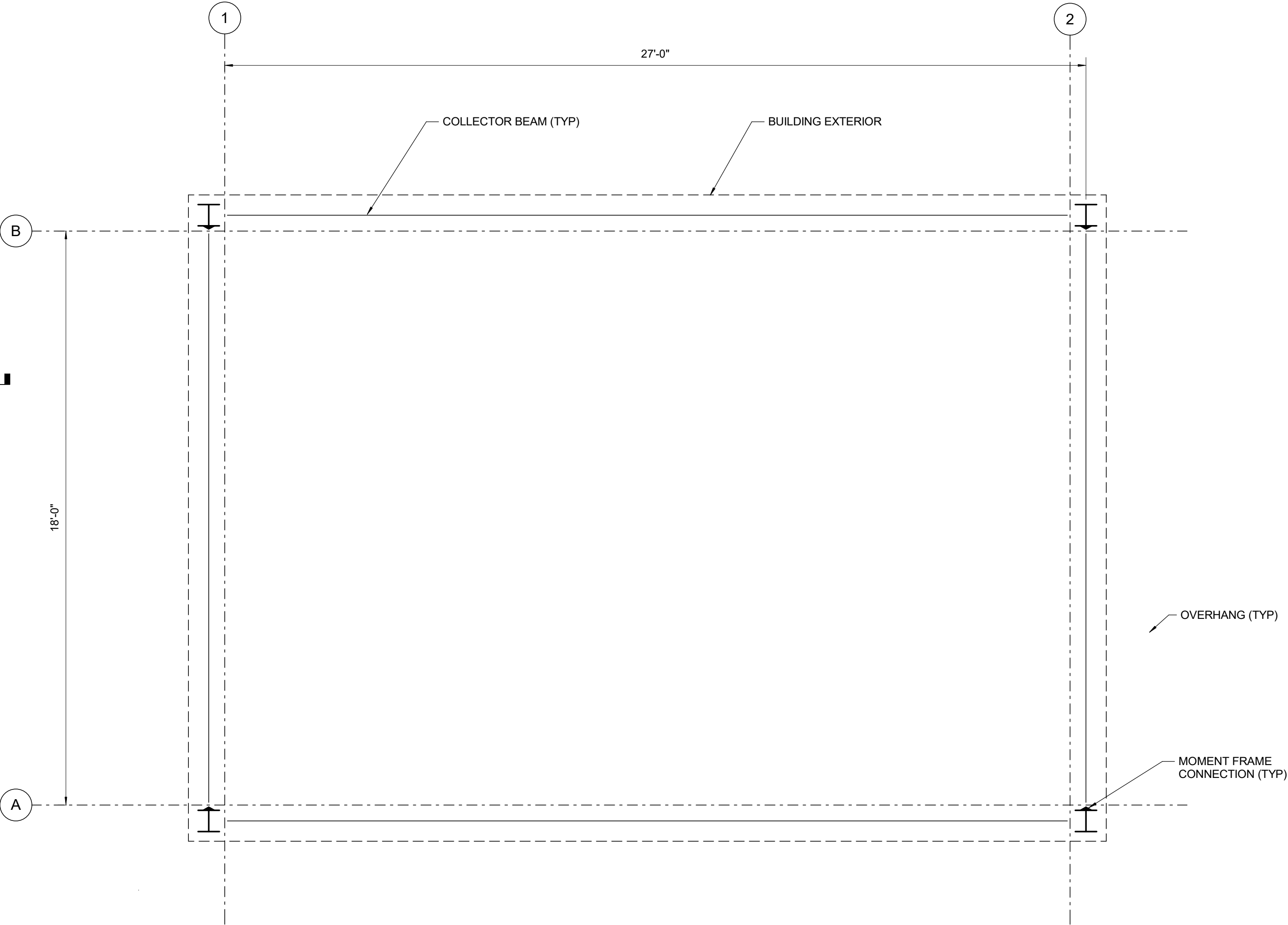
GENERAL SHEET NOTES

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SPECIFICATIONS PRIOR THE CONTRUCTION BEGINS.



FOUNDATION PLAN

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



ROOF FRAMING PLAN

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

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING

0 1/2 1

IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



TULALIP TRIBES	DESIGNED <u>AG</u>	DRAWING 11S-1
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	DRAWN <u>STN</u>	
WATER TREATMENT SHED METAL BUILDING	CHECKED <u>ST</u>	
	ISSUED DATE <u>06/29/26</u>	

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SPECIFICATIONS PRIOR THE CONSTRUCTION BEGINS.



A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

WARNING



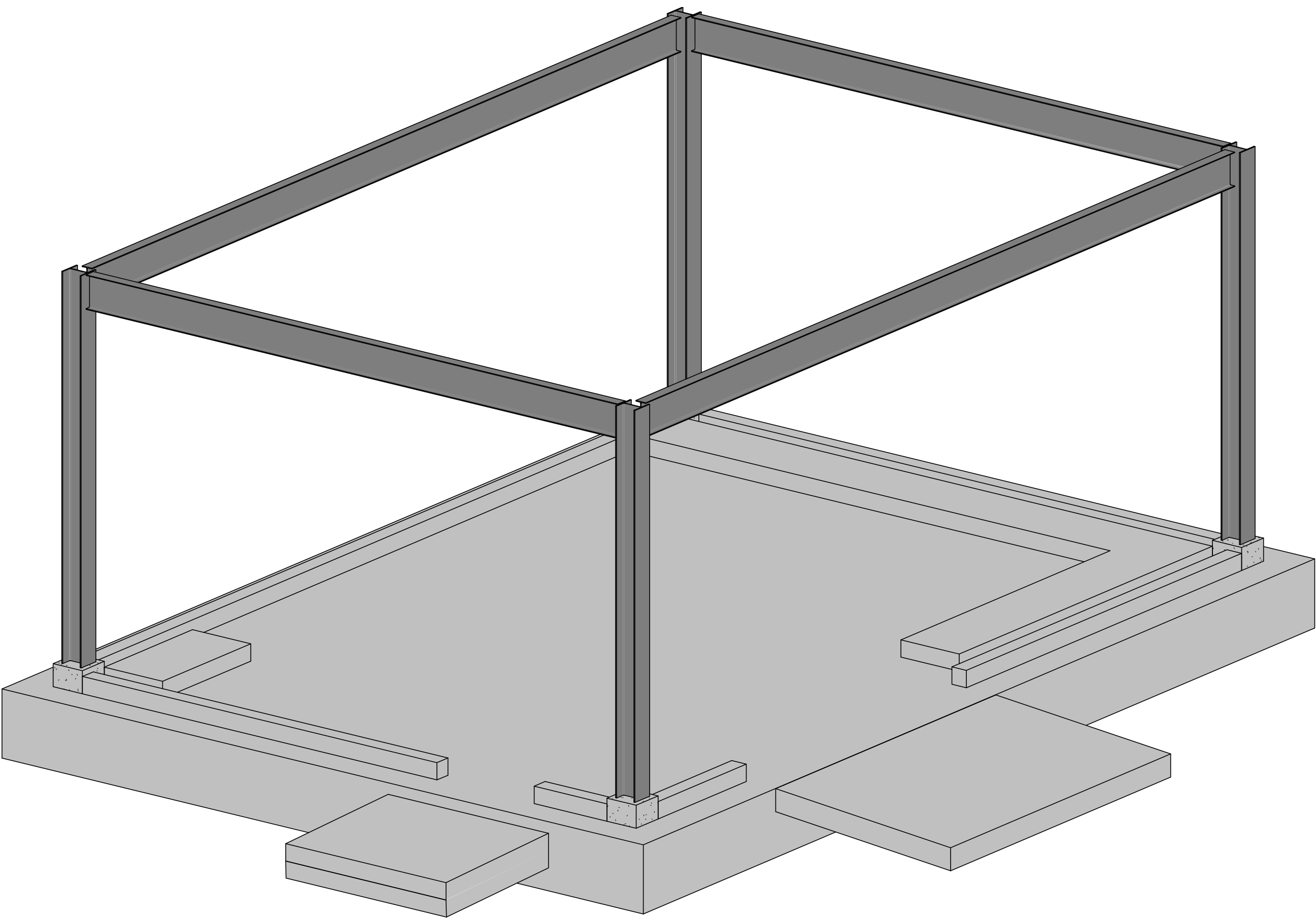
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



DESIGNED _____	AG
DRAWN _____	STN
CHECKED _____	ST
ISSUED DATE _____	06/19/2026

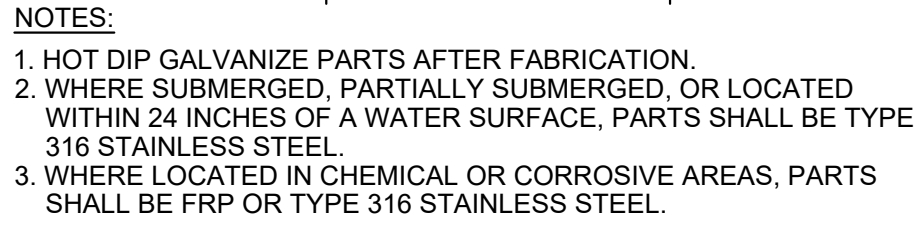
DRAWING

1S-2



ISOMETRIC VIEW
SCALE:

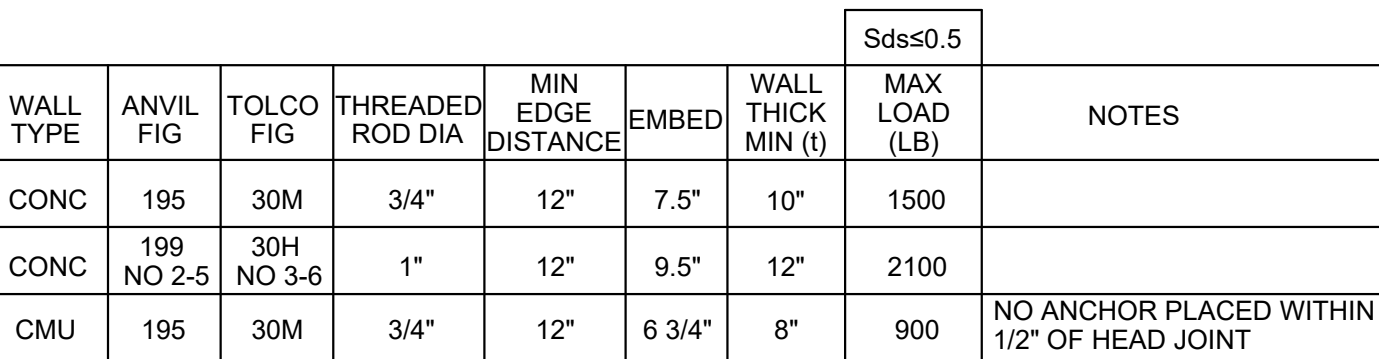
				PRELIMINARY NOT FOR CONSTRUCTION	WARNING 01/21 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.	McMillen 1471 Shoreline Dr. Ste 100, Boise, ID 83702 (208) 342-4214 mcmillen.com		TULALIP TRIBES	DESIGNED AG	DRAWING 11S-3
								TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	DRAWN STN	
								FILTRATION UV AND FILTRATION ISOMETRIC VIEWS	CHECKED ST	
								ISSUED DATE 06/29/2026	Exhibit E.2 Page 98 of 161	
A	06/29/26	RM	PRE-FINAL DESIGN						Exhibit E.2 Page 98 of 161	
REV	DATE	BY	DESCRIPTION							



(FOR PIPE 4" DIAMETER AND SMALLER)
REV 010119



REV 091515

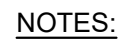


1. HOT DIP GALVANIZED BRACKET AND PARTS AFTER FABRICATION, UNO. PROVIDE 316 SS BRACKET AND PARTS IN SUBMERGED OR CORROSIVE CONDITIONS (VERIFY CHEMICAL COMPATIBILITY WITH STAINLESS STEEL).
2. THIS PIPE BRACKET IS LIMITED TO A SINGLE PIPE OF 16" DIAMETER OR A GROUP OF PIPES 16" WIDE, INCLUSIVE.
3. REFER TO TABLE FOR MAXIMUM ALLOWED SERVICE LOAD ON EACH BRACKET. IN NO CASE, SHALL THE BRACKET EXCEED THE LOADS SHOWN IN THE TABLE.
4. PROVIDE ANCHORS AT MANUFACTURER'S BRACKET HOLE LOCATIONS.
5. FOR TOLCO 30H BRACKETS WITH 1 1/8" HOLES, PROVIDE 1/4" THICK PLATE WASHER WITH STANDARD 1 1/16" HOLE FOR 1/2" THREADED ROD. WELD PLATE WASHER ALL AROUND WITHIN 1/4" OF BRACKET HOLES.
6. DEVIATIONS FROM THIS DETAIL MUST BE VERIFIED WITH CALCULATIONS AND SUBMITTED TO ENGINEER FOR REVIEW.

1. THE SUPPORT IS ADEQUATE FOR SEISMIC RESPONSE COEFFICIENT (SDS) GIVEN IN THE TABLE. SEISMIC FORCE ASSUMPTIONS (ASCE 7-10, EQN 13.3-1): $a_p=2.5$, $R_p=3.0$, $C_d=2.5$, $I_p=1.0$, $z/h=1.0$.
2. THE SUPPORT, DESIGNED FOR SEISMIC LOADS ARE ALSO ADEQUATE FOR A DESIGN WIND SPEED (V_{ult}) OF UP TO 180 MPH WITH A MAXIMUM HEIGHT ABOVE GRADE OF 40'. WIND FORCE ASSUMPTIONS: EXPOSURE CATEGORY C, $K_{zt}=1.0$, $K_{z1}=1.0$, $K_d=0.85$, $G=0.85$, $G_{cp}=1.4$, $C_f=1.1$ (DESIGNED PER ASCE 7-10 SECTION 29.5 - OTHER STRUCTURES).

(FOR PIPE 16" DIAMETER AND
SMALLER)

REV 102717



1. HOT DIP GALVANIZE PARTS AFTER FABRICATION, UNO. PROVIDE 316 SS PARTS AND BOLTS IN SUBMERGED OR CORROSIVE CONDITIONS.
2. PROVIDE CAST-IN-PLACE HEAVY HEX HEAD ASTM F1554 GR 36 ANCHORS, UNO.
3. REF. TO SPEC. FOR MAXIMUM SERVICE LOAD ON EACH SUPPORT.
4. USE MK-2, UNLESS OTHERWISE INDICATED.
5. FOR 3/4" ANCHORS AND LARGER, PROVIDE SQUARE WASHERS PER AISC MANUAL OF STEEL CONSTRUCTION TABLE 14-2 WITH STD WOLERS WELDED TO PLATE WITH 3/4" SETBACK FROM COLUMN FACE. PROVIDE 3/8" ANCHORS.
6. IF ADHESIVE ANCHORS ARE USED (SIPSON SET XP, OR EQUAL), USE REDUCED MAX LOADS IN COLUMN "M". OVERSIZED HOLES AND WASHERS ARE NOT REQUIRED.

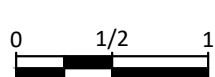
(FOR PIPE 36" DIAMETER AND SMALLER)
REV 010119

* SEE MANUFACTURER

1. THE SUPPORTS ARE ADEQUATE FOR SEISMIC RESPONSE COEFFICIENT (SDS) GIVEN IN THE TABLE. SEISMIC FORCE ASSUMPTIONS (ASCE 7-10, EQN 13.3-1): $a_p=2.5$, $R_p=6$, $\Omega=2.5$, $I_p=1.0$, $z/h=1.0$.
2. THE SUPPORTS, DESIGNED FOR SEISMIC LOADS, ARE ALSO ADEQUATE FOR A DESIGN WIND SPEED (Vult) OF UP TO 165 MPH WITH A MAXIMUM HEIGHT ABOVE GRADE OF 40' WIND FORCE ASSUMPTIONS: EXPOSURE CATEGORY C, $K_{zt}=1.0$, $K_d=1.04$, $K_d=0.95$, $G=0$, $C_f=1.2$ (DESIGNED PER ASCE 7-10 SECTION 29.5 - OTHER STRUCTURES).

A REV	06/29/26 DATE	RM BY	PRE-FINAL SUBMITTAL DESCRIPTION

WARNING



IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE



TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT

MECHANICAL STANDARD DETAILS 1

PROJECT DATE 06/29/26

DRAWING

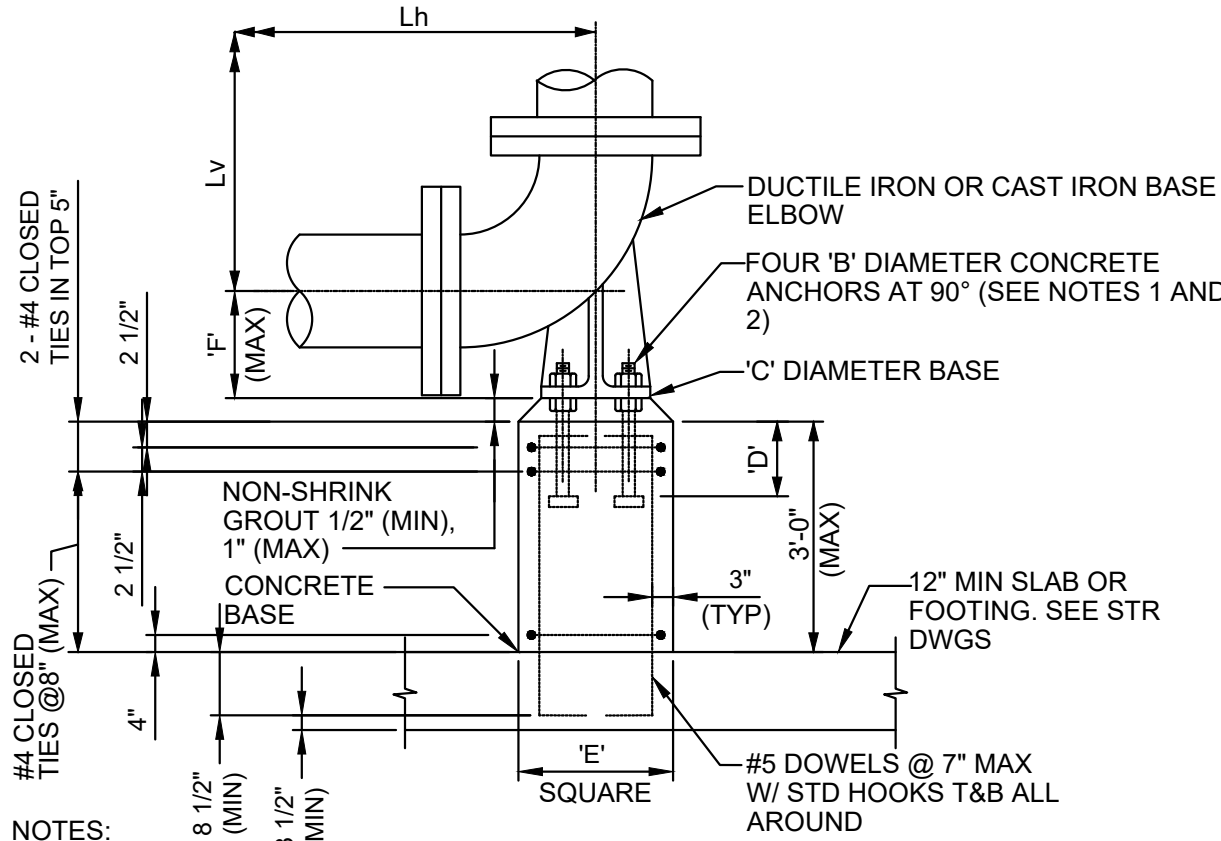
GM-1

DIMENSIONS IN INCHES (UNO)						Sds ≤0.5	
NOMINAL PIPE DIAMETER	'B'	'C'	'D'	'E'	'F'	'L'	'L' ADH
4	5/8	6	4.5	12	5.5	33'	33'
6	5/8	7	4.5	12	7	38'	38'
8	5/8	9	7.5	12	8.38	43'	26'
10	5/8	9	7.5	12	9.75	43'	26'
12	3/4	11	9	16	11.25	47'	24'
14	3/4	11	9	16	12.5	47'	24'
16	3/4	11	9	16	13.75	52'	26'
18	3/4	13.5	9	18	15	52'	28'
20	3/4	13.5	9	21	16	48'	25'
24	3/4	13.5	9	27	18.5	32'	19'
30	7/8	16	10.5	30	23	32'	14'

SEISMIC AND WIND COMPLIANT - DESIGN CRITERIA

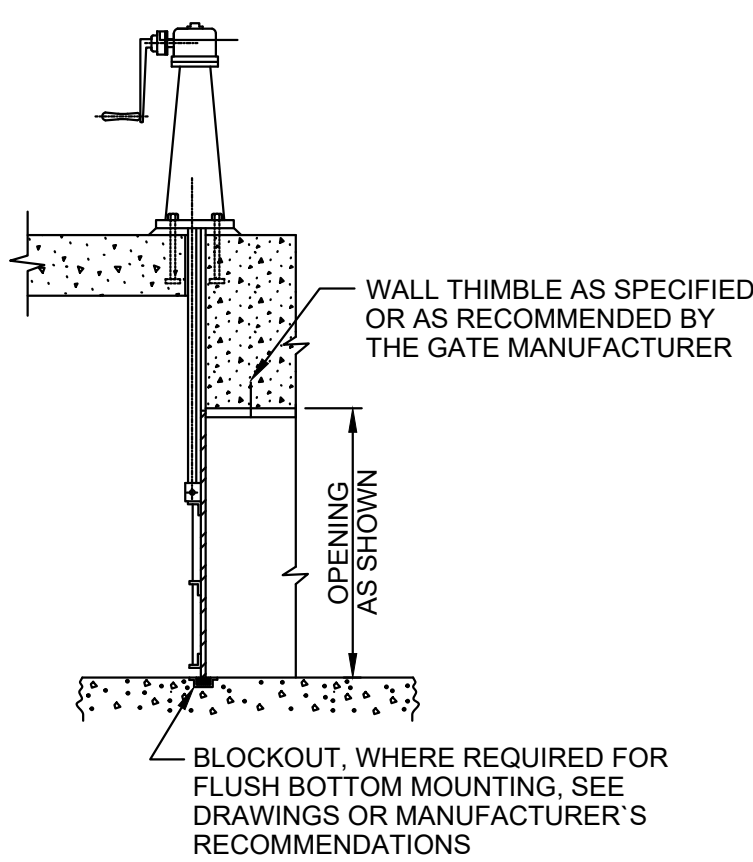
- THE SUPPORTS ARE ADEQUATE FOR SEISMIC RESPONSE COEFFICIENT (SDS) GIVEN IN THE TABLE. SEISMIC FORCE ASSUMPTIONS (ASCE 7-10, EQ 13.3-1):
ap=2.5, Rp=6, Qo=2.5, Ip=1.0, zh=1.0 FOR 4" TO 14" PIPE, zh=0.4 FOR PIPES LARGER THAN 14".
- THE SUPPORTS, DESIGNED FOR SEISMIC LOADS, ARE ALSO ADEQUATE FOR A DESIGN WIND SPEED (Vult) OF UP TO 200 MPH WITH A MAXIMUM HEIGHT ABOVE GRADE OF 40'. EXCEPT FOR 4", 6" AND 24" PIPE DIAMETERS, WHICH ARE ADEQUATE FOR Vult OF UP TO 175 MPH, WIND FORCE ASSUMPTIONS: EXPOSURE CATEGORY C, Kzt=1.0, Kz=1.04, Kd=0.95, G=0.85, Cf=1.2 (DESIGNED PER ASCE 7 SECTION 29.5).

D-143 BASE MOUNTED ELBOW SUPPORT
(FOR PIPE 30" DIAMETER AND SMALLER)
REV 010119

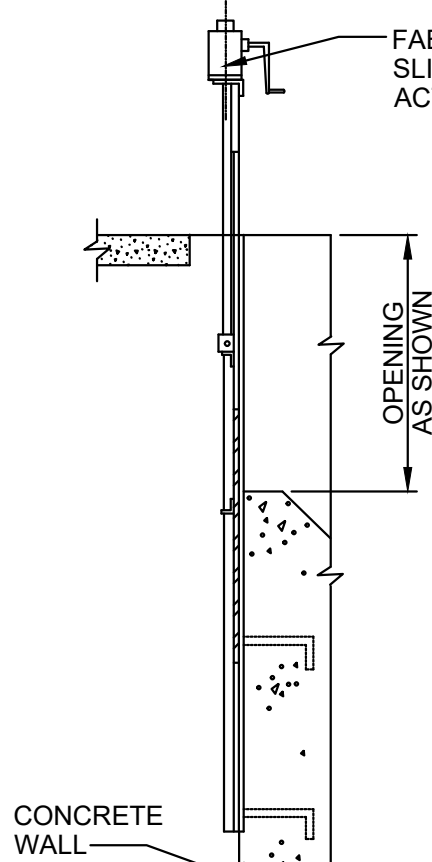


NOTES:

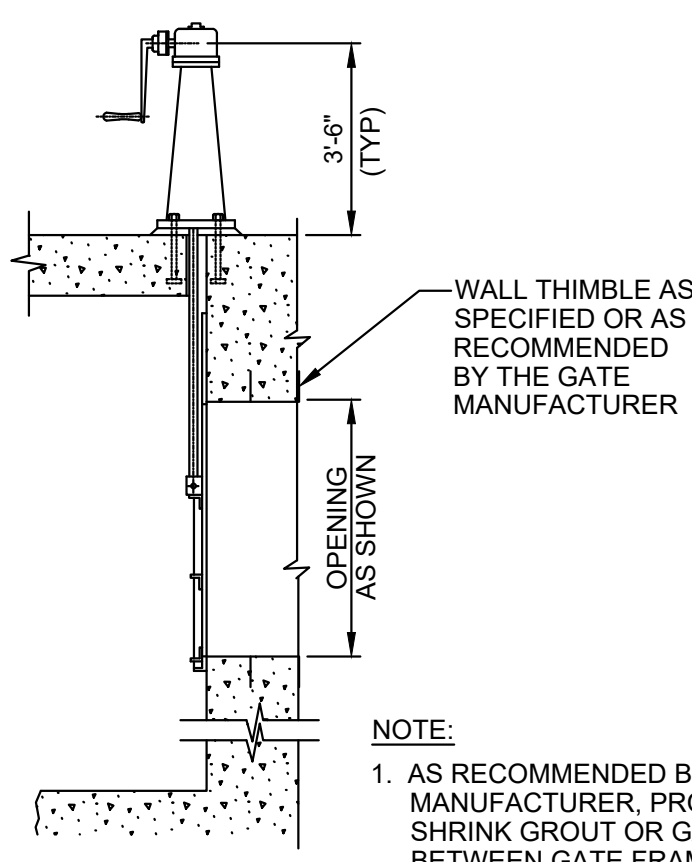
- PROVIDE CAST-IN-PLACE HEAVY HEX HEAD ASTM F1554 GR 36 ANCHORS WITH TWO NUTS AND ONE LOCK WASHER, UNO. HOT DIP GALVANIZE AFTER FABRICATION, UNO. PROVIDE 316SS ANCHORS IN SUBMERGED OR CORROSIVE CONDITIONS.
- 'L' IS ALLOWABLE LONGITUDINAL TRIBUTARY LENGTH, DEFINED AS 1/2 THE VERTICAL DISTANCE TO THE NEXT LATERAL PIPE SUPPORT (Lv) PLUS 1/2 THE HORIZONTAL DISTANCE TO THE NEXT LONGITUDINAL PIPE SUPPORT (Lh). REFER TO TABLE FOR MAXIMUM ALLOWABLE 'L' FOR EACH SUPPORT.
- IF ADHESIVE ANCHORS ARE USED (SIMPSON SET XP, OR EQUAL), USE REDUCED ALLOWABLE LONGITUDINAL TRIBUTARY LENGTH, 'L' ADH, GIVEN IN TABLE.



DOWNWARD CLOSING



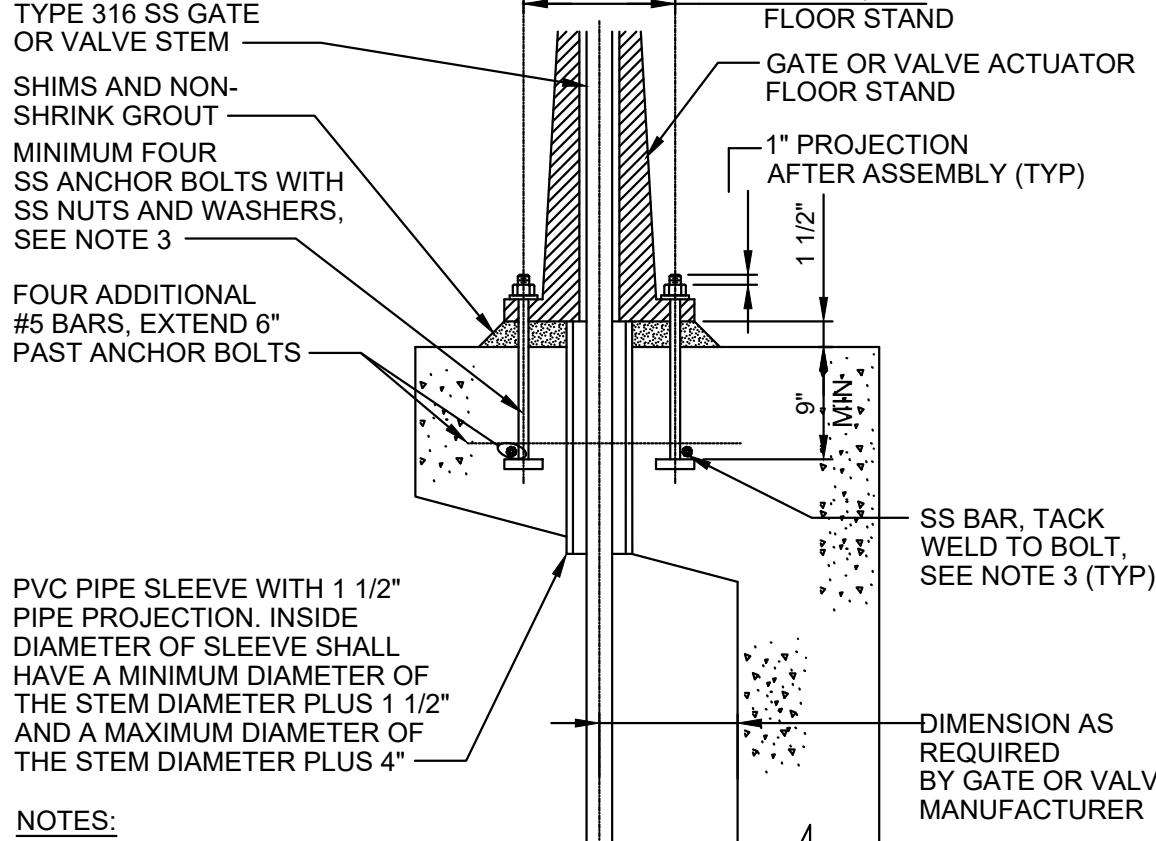
DOWNWARD OPENING



NOTE:

- AS RECOMMENDED BY THE GATE MANUFACTURER, PROVIDE 1" NON SHRINK GROUT OR GASKET BETWEEN GATE FRAME AND CONCRETE WALL.

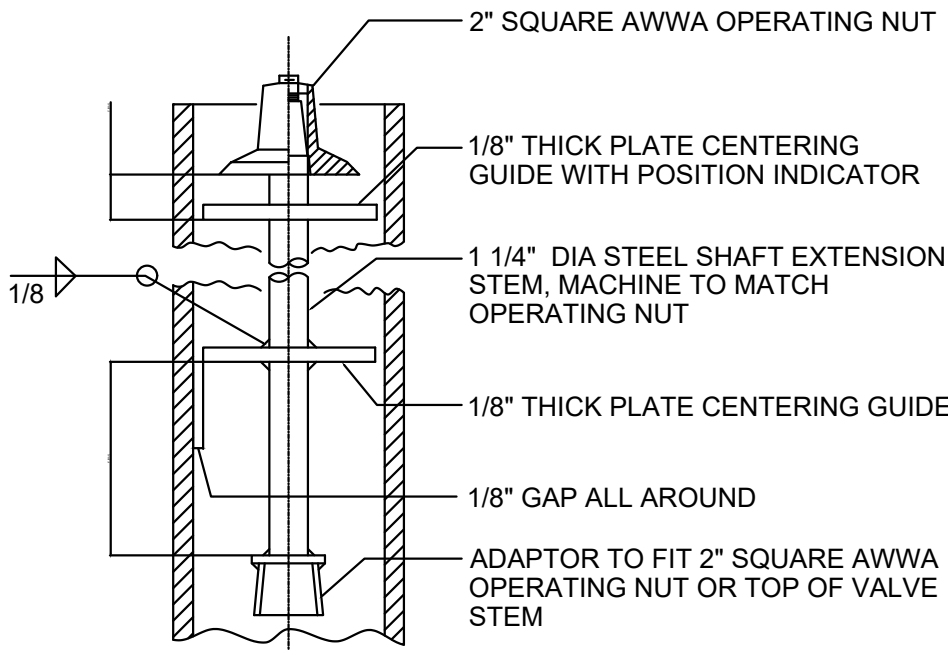
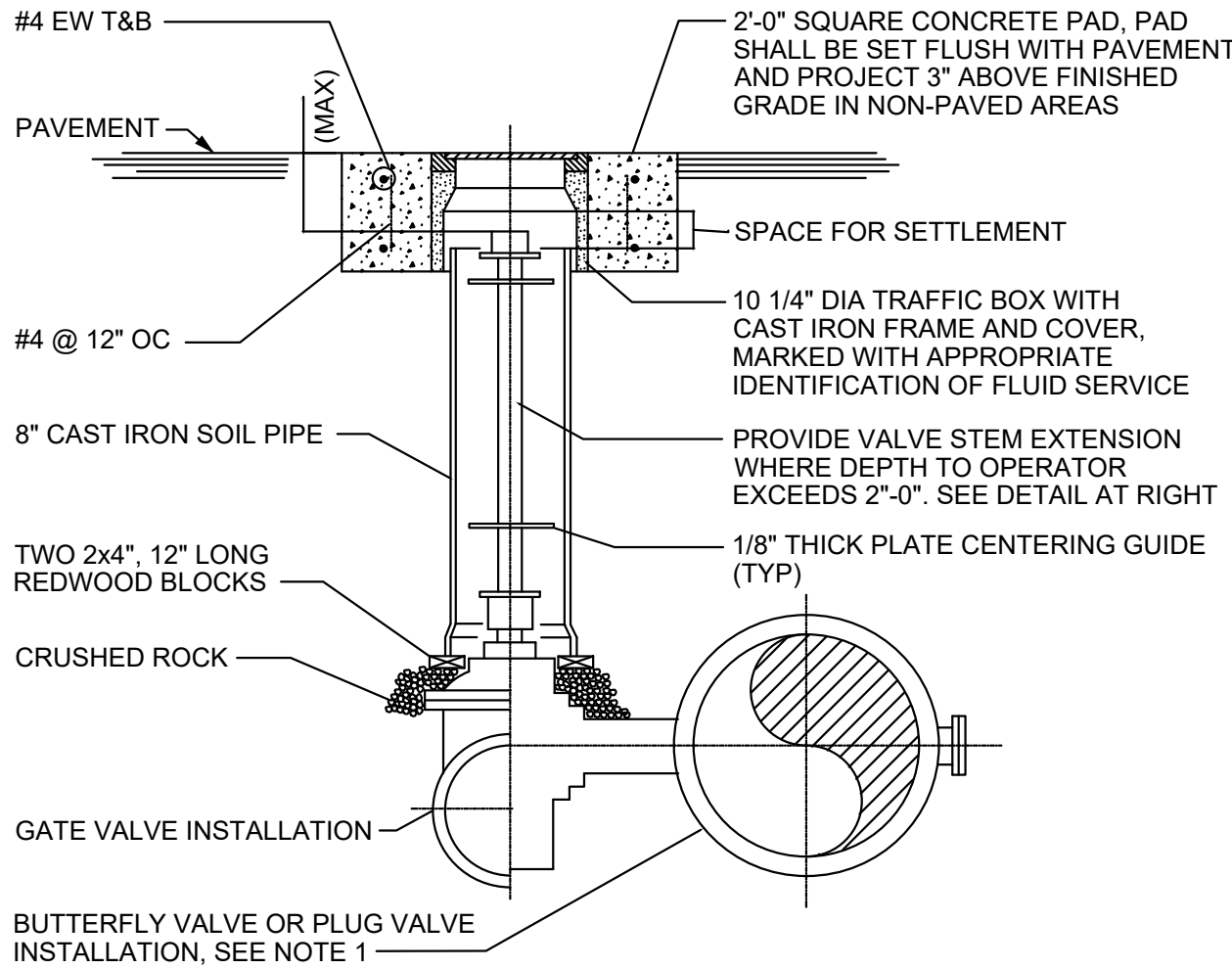
D-205 FABRICATED SLIDE GATE
REV 010119



NOTES:

- FLOOR STAND IS REPRESENTATIVE ONLY.
- DETAIL APPLICABLE FOR FLOOR SLAB OR CURB INSTALLATION.
- IF USED ON ELEVATED SLABS LESS THAN 12" THICK, BOLT THROUGH SLAB USING 4" SS ANCHOR BOLTS WITH SS NUTS AND WASHERS. SEE DRAWINGS FOR ADDITIONAL ANCHOR PLATE DETAILS, IF REQUIRED. SEE SPECIFICATIONS FOR ANCHOR BOLT AND ANCHORAGE REQUIREMENTS.

D-230 FLOOR STAND INSTALLATION
REV 010119

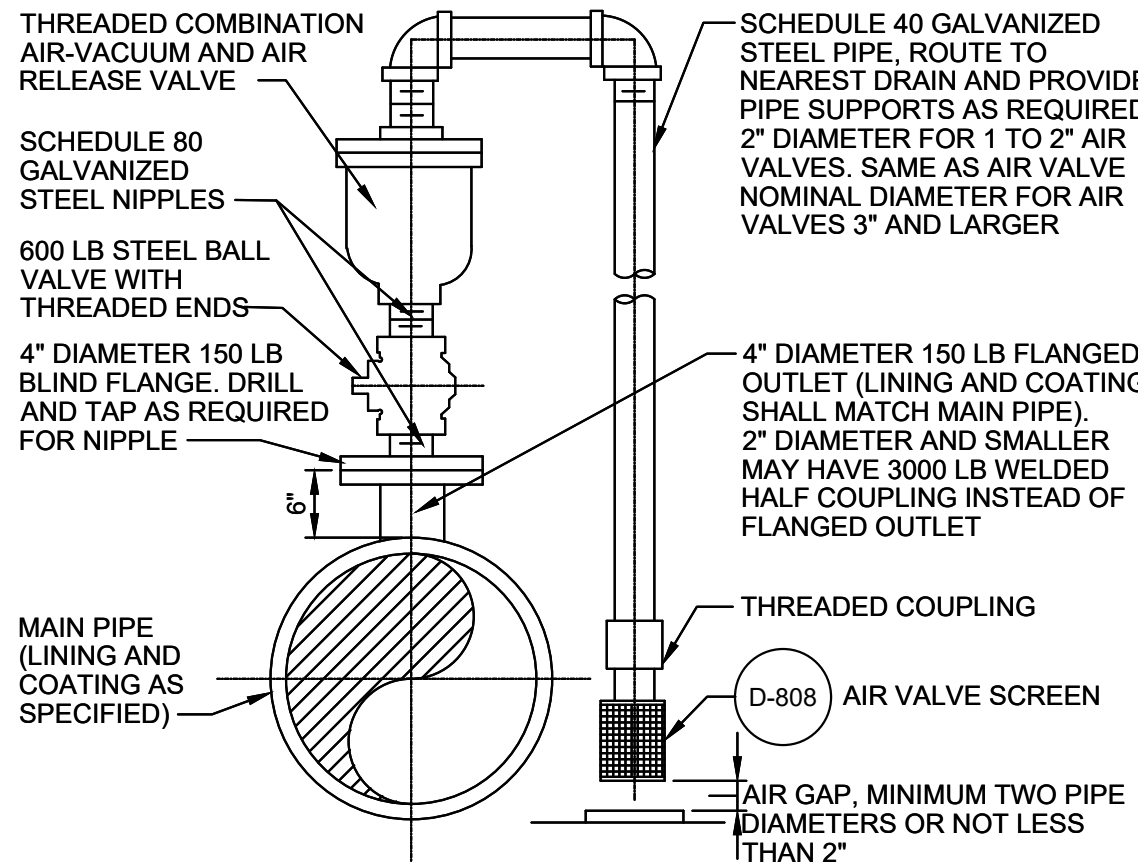


VALVE STEM EXTENSION DETAIL

NOTE:

- FOR LUBRICATED PLUG VALVES, EXTEND LUBRICATION LINE TO GRADE PER MANUFACTURER'S INSTRUCTIONS.

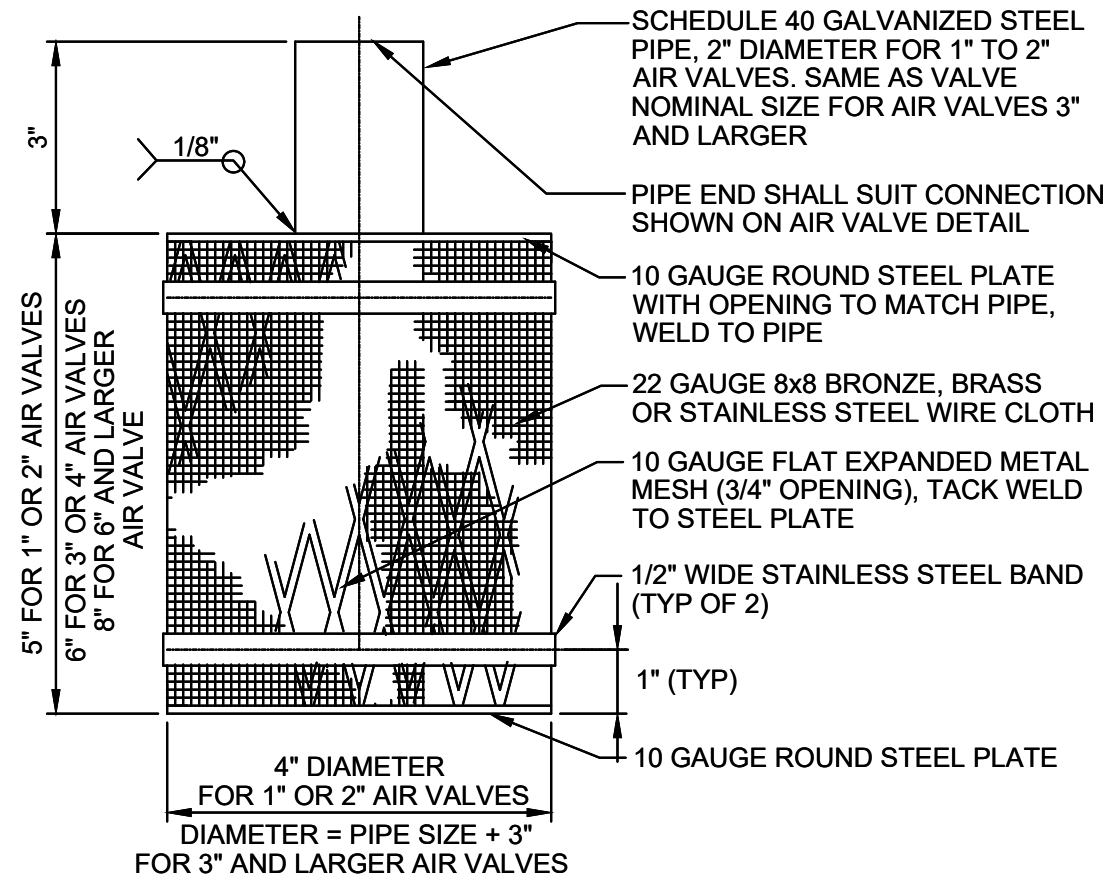
BURIED VALVE
REV 091515 D-803



NOTE:

- ALL COMPONENTS FOR PIPING SYSTEMS WITH SERVICE PRESSURE CLASS GREATER THAN 150 PSI SHALL BE SUITABLE FOR THE HIGHER PRESSURE.

D-804 AIR-VAC AND A/R VALVE ASSEMBLY
(3" AND SMALLER)
REV 010119



NOTE :

- AIR VALVE SCREEN ASSEMBLY (EXCEPT WIRE CLOTH AND STAINLESS STEEL BANDS) SHALL BE COATED PER THE REQUIREMENTS OF THE SPECIFICATION 'PROTECTIVE COATING'.

D-808 AIR VALVE SCREEN
REV 010119

A	06/29/26	RM	PRE-FINAL SUBMITTAL		
REV	DATE	BY	DESCRIPTION		

PRELIMINARY
NOT FOR CONSTRUCTION

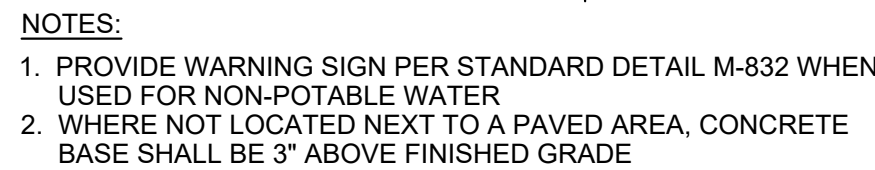
WARNING
0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE



TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT
MECHANICAL STANDARD DETAILS 3

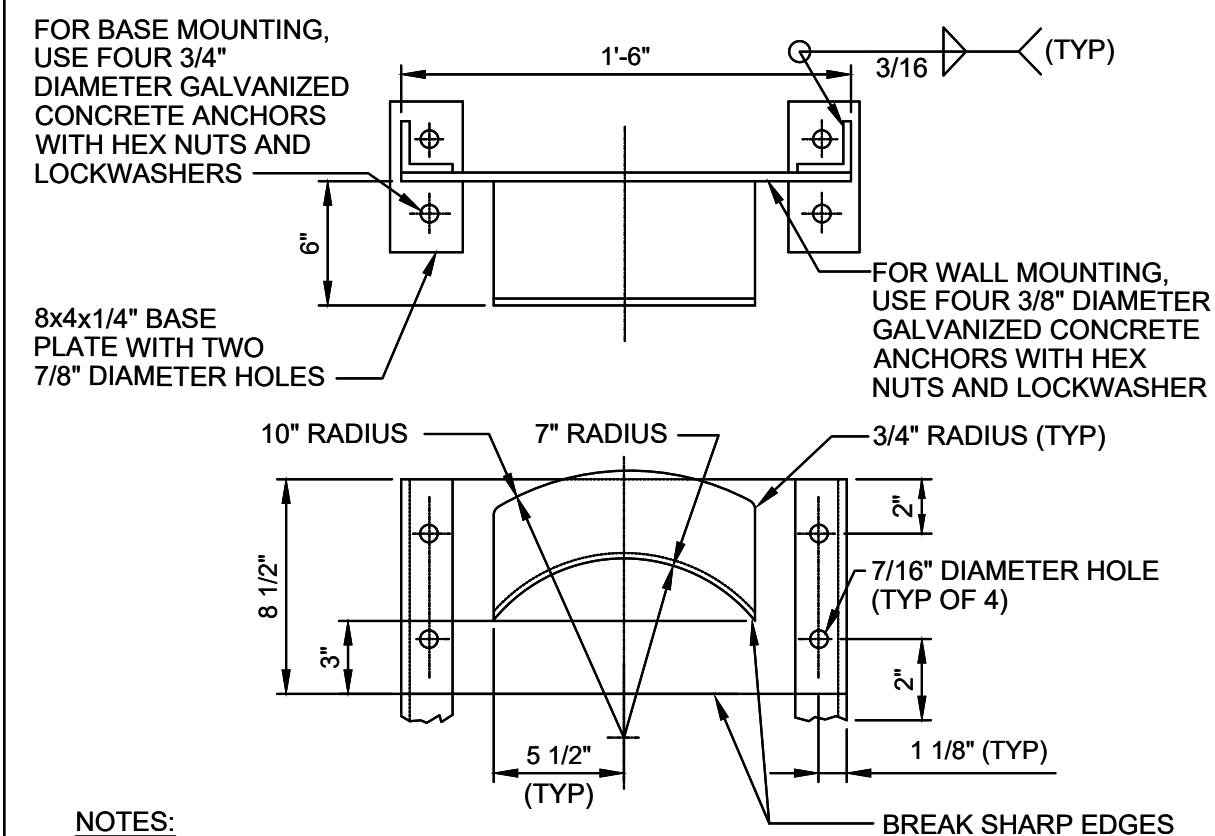
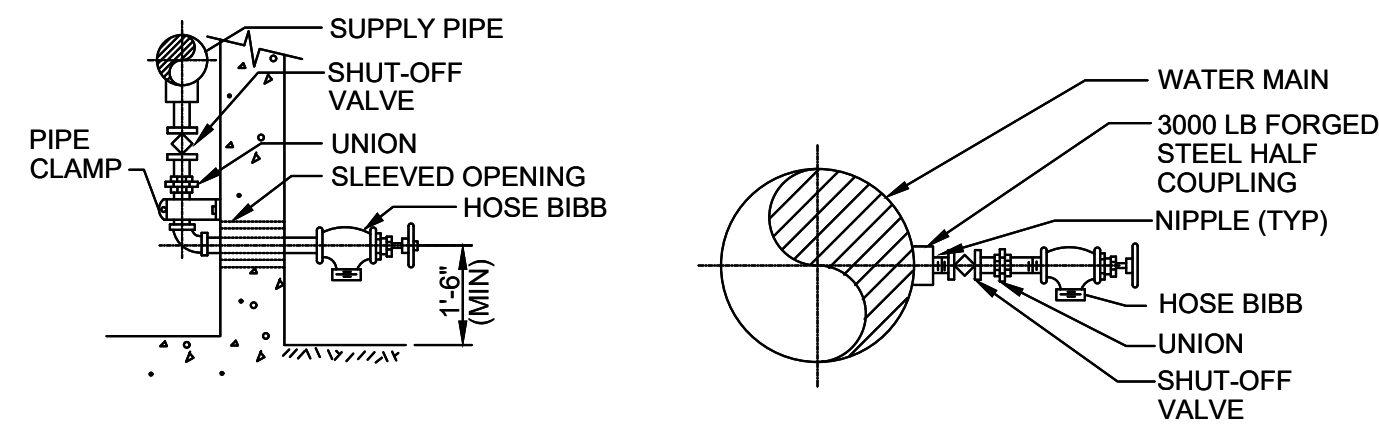
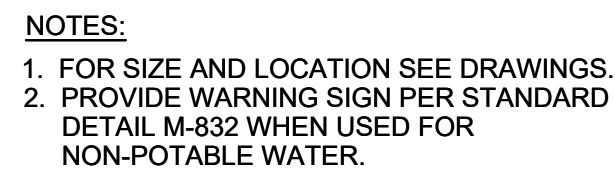
DESIGNED _____ M. VASILEV
DRAWN _____ E. BOWEN
CHECKED _____ J. DALLAS
PROJECT DATE _____ 06/29/26

DRAWING
GM-3



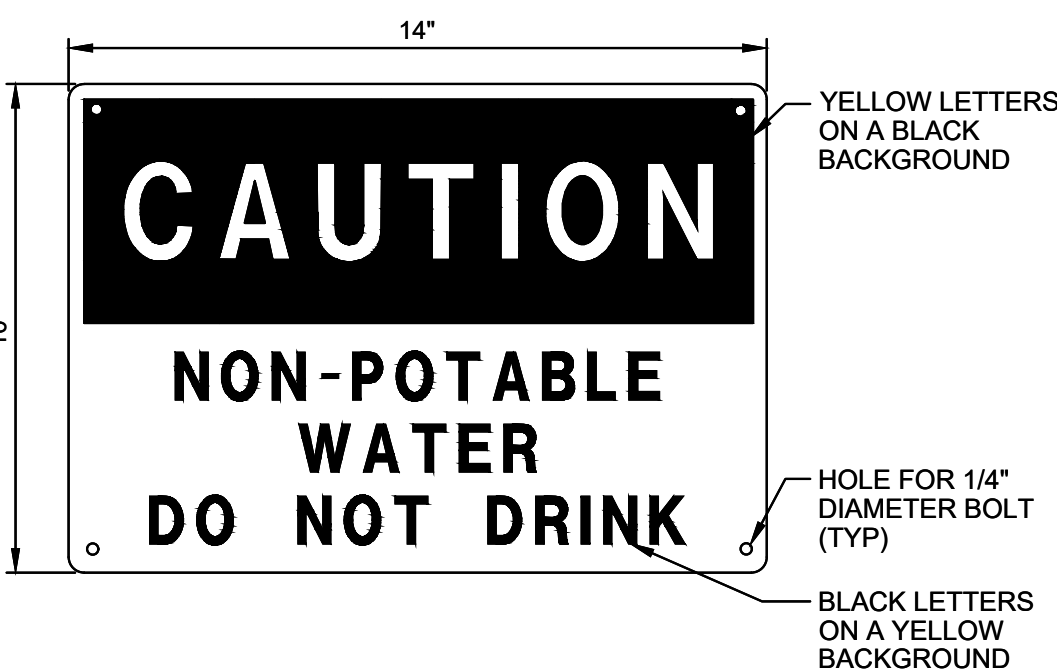
NOTE:

1. PROVIDE WARNING SIGN PER STANDARD DETAIL M-832 WHEN USED FOR NON-POTABLE WATER.



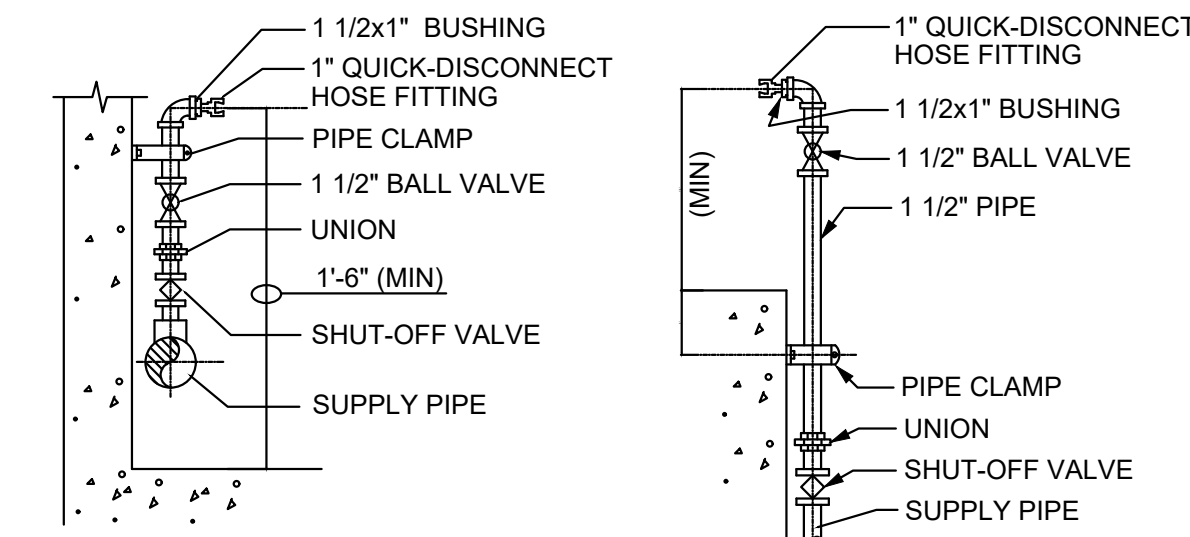
NOTES:

1. WHERE HOSE RACK IS FREE-STANDING, PROVIDE TWO 2x2x1/4" STEEL ANGLES WITH BASEPLATES. WHERE BASEPLATES ARE ATTACHED TO CONCRETE, A MINIMUM 1" LAYER OF NON-SHRINK GROUT SHALL BE PROVIDED BETWEEN THE BASEPLATES AND THE CONCRETE.
2. HOSE RACK SHALL BE CONSTRUCTED OF WELDED 8-GAUGE STEEL SHEET, HOT DIP GALVANIZED AFTER FABRICATION.

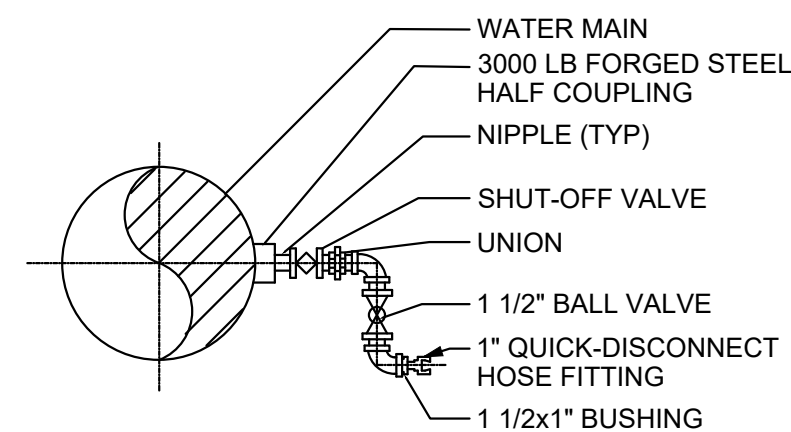


NOTES:

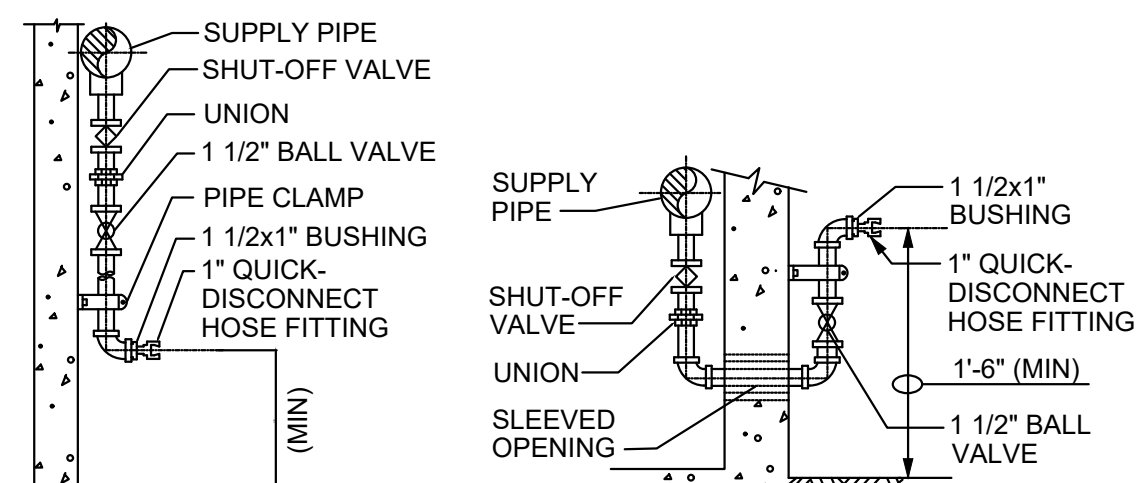
1. PROVIDE SIGN AT ALL HOSE BIBB LOCATIONS WHERE WATER IS NON-POTABLE.
2. SEE SPECIFICATIONS SECTION 'BUILDING SIGNAGE' FOR FURTHER REQUIREMENTS.



HOSE HYDRANT INSTALLATION METHOD A HOSE HYDRANT INSTALLATION METHOD B



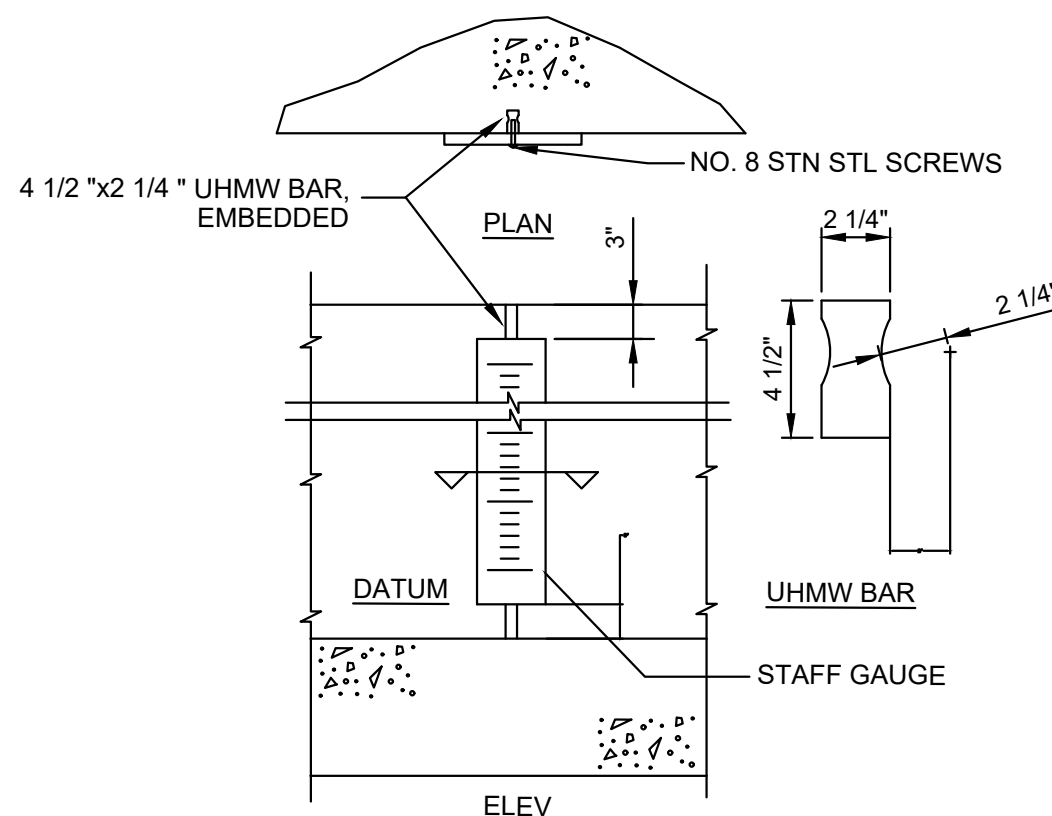
HB-3
HOSE HYDRANT INSTALLATION METHOD E

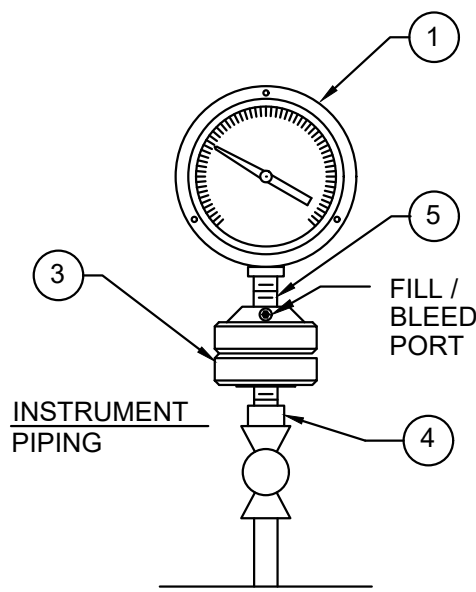


HB-3 HOSE HYDRANT INSTALLATION METHOD C	HB-3 HOSE HYDRANT INSTALLATION METHOD D
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NOTES:

1. FOR LOCATION SEE DRAWINGS.
2. PROVIDE WARNING SIGN PER STANDARD DETAIL M-832 WHEN USED FOR NON-POTABLE WATER.





PRESSURE GAUGE OR
SWITCH WITH DIAPHRAGM SEAL

GENERAL NOTES:

1. PIPING SIDE ISOLATION VALVES FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR.
2. REFER TO DIVISION 26 SPECIFICATIONS FOR FLEX AND RIGID CONDUIT MATERIAL AND USAGE LIMITATIONS.

BILL OF MATERIALS					
ITEM	QTY	DESCRIPTION	SUPPLY	MATERIAL/ RATING (WATER / AIR)	MATERIAL/ RATING (CHEMICAL)
1	1	LIQUID-FILLED PRESSURE GAUGE	MANF	PHENOLIC ENCASED	PHENOLIC ENCASED
2	1	1/2" (15mm) 2 VALVE MANIFOLD WITH INTEGRAL BLEED	MANF	316 SS	316 SS OR PVC
3	AR	ISOLATION DIAPHRAGM SEAL; SILICONE OIL FILL FLUID	MANF	316 SS	HASTELLOY C OR PVC
4	1	HEX REDUCING BUSHING 1"x1/2" (25mmx15mm)	CONT	316 SS	316 SS OR PVC
5	AR	1/2" MALE TO MALE NIPPLE	CONT	316 SS	316 SS OR PVC



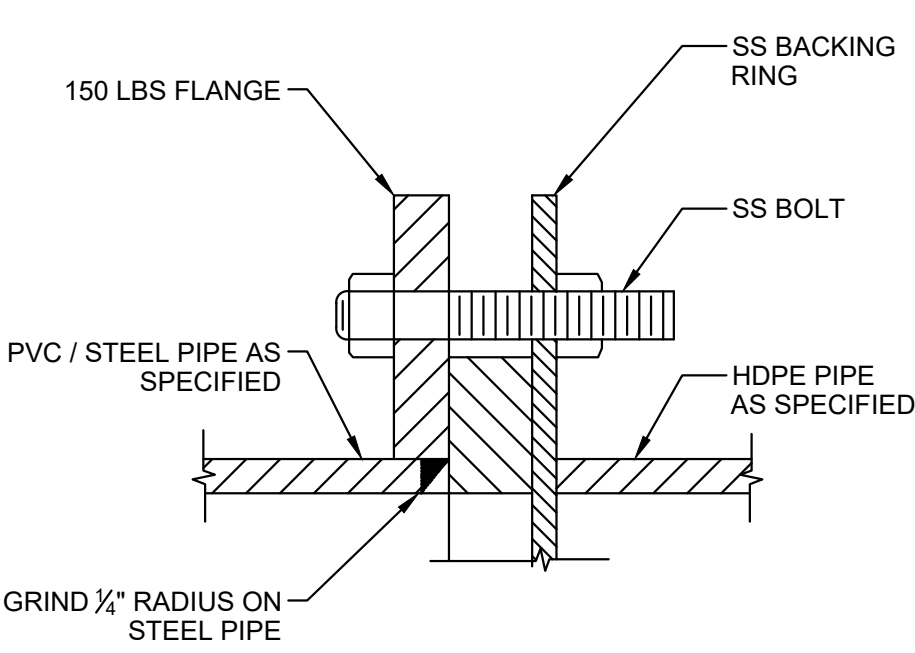
KEYNOTES:

- A. FOR AMBIENT TEMPERATURE APPLICATIONS LOWER THAN -10 degC, ETHYLENE GLYCOL FILL FLUID REQUIRED IN LIEU OF STANDARD SILICONE OIL.

I-301

PRESSURE GAUGE / SWITCH

REV 010119



NOTES:

1. FOR STEEL PIPE, FABRICATE TO MATCH THE SAME ID AS HDPE PIPE.
2. PIPE SHALL BE INSTALLED SUCH THAT ID OF BOTH PIPES ARE FLUSH AT THE JOINT

D-902

HDPE TO PVC / STEEL CONNECTION

NOT TO SCALE

A	06/29/26	RM	PRE-FINAL SUBMITTAL	
REV	DATE	BY	DESCRIPTION	

PRELIMINARY
NOT FOR CONSTRUCTION

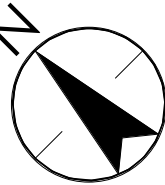
WARNING
0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE



TULALIP TRIBES	
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	
MECHANICAL STANDARD DETAILS 5	

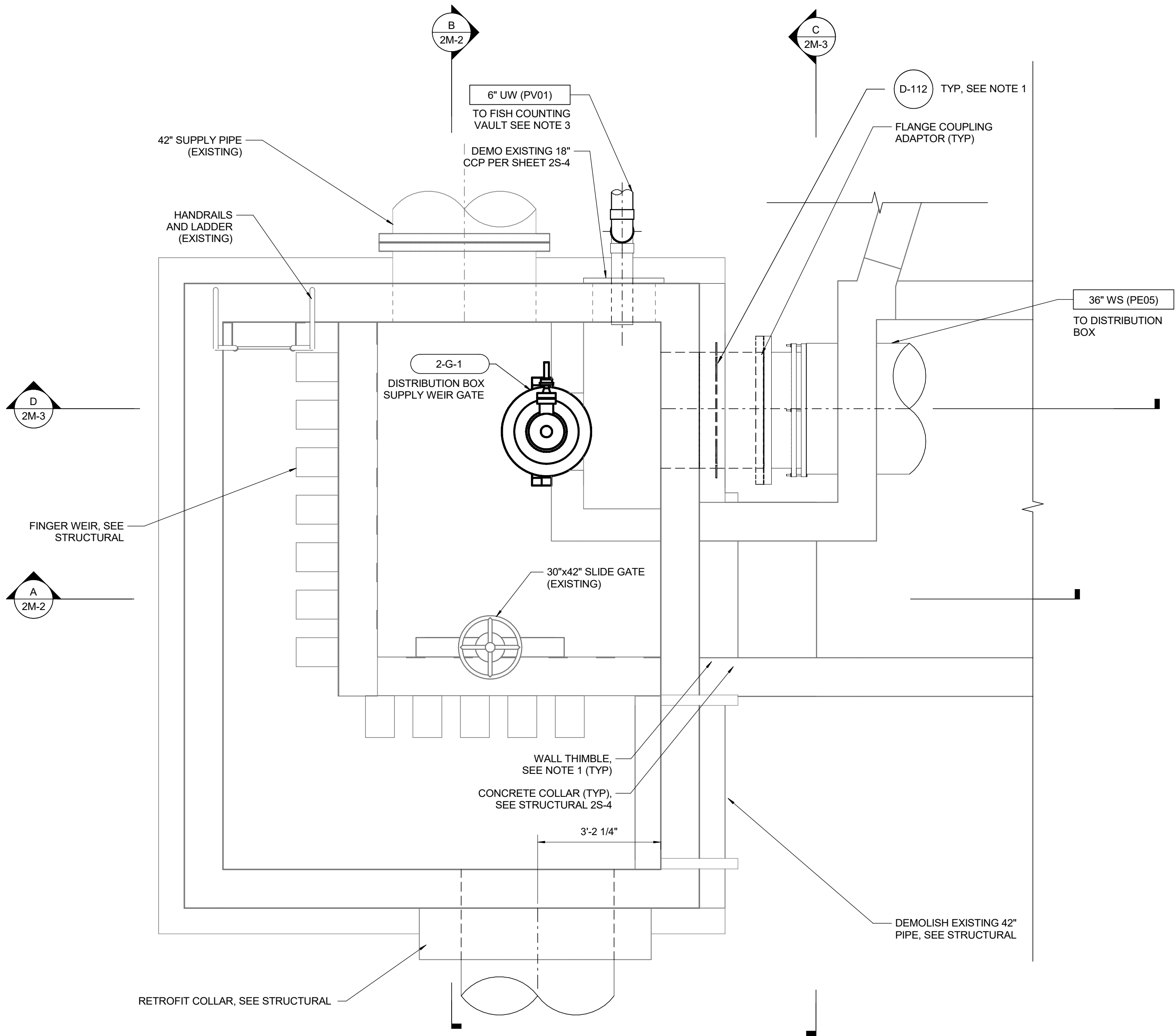
DESIGNED	____ M. VASILEV
DRAWN	____ E. BOWEN
CHECKED	____ J. DALLAS
PROJECT DATE	____ 06/29/26

DRAWING
GM-5



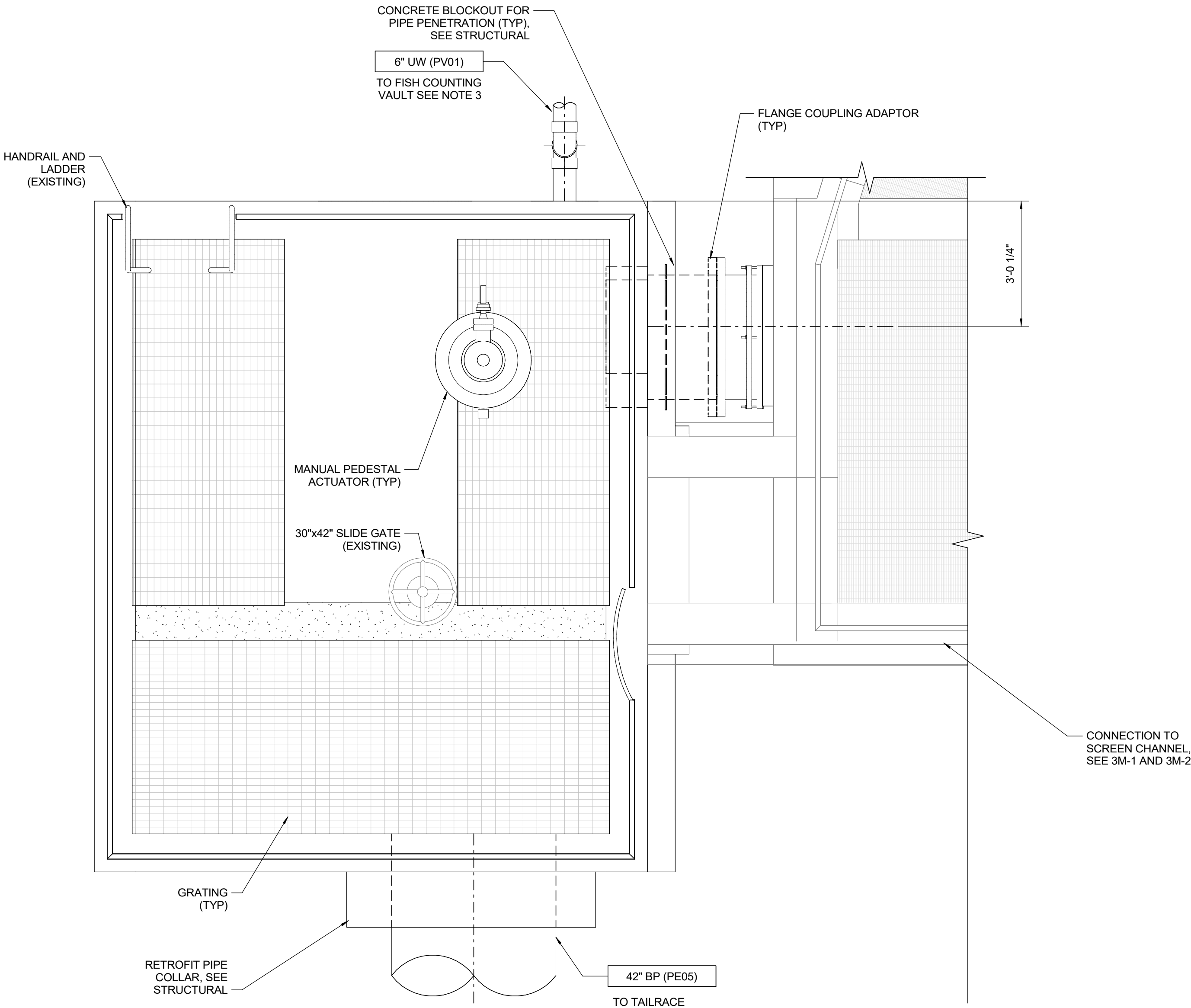
GENERAL SHEET NOTES

1. PROVIDE WALL THIMBLES THROUGH THE CORE DRILLED OPENINGS AND CAST INTO THE PIPE COLLAR. THIMBLE SHALL BE FABRICATED FROM STEEL AND SIZED TO MATCH THE INSIDE DIAMETER OF THE RECEIVING PIPE. SEE GM-2
2. MODIFY EXISTING GRATING AS REQUIRED FOR NEW GATE ACTUATOR. EXISTING GRATING SHALL BE BANDED AND RESTORED WITH NEW GALVANIZED FINISH.
3. INSTALL 6" UTILITY WATER PIPE IN EXISTING OPENING FOLLOWING DEMOLITION OF THE EXISTING 18" CMP. GROUT OPENING AROUND NEW PIPE WATER TIGHT.



LOWER PLAN

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



TOP PLAN

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

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING

0 1/2 1

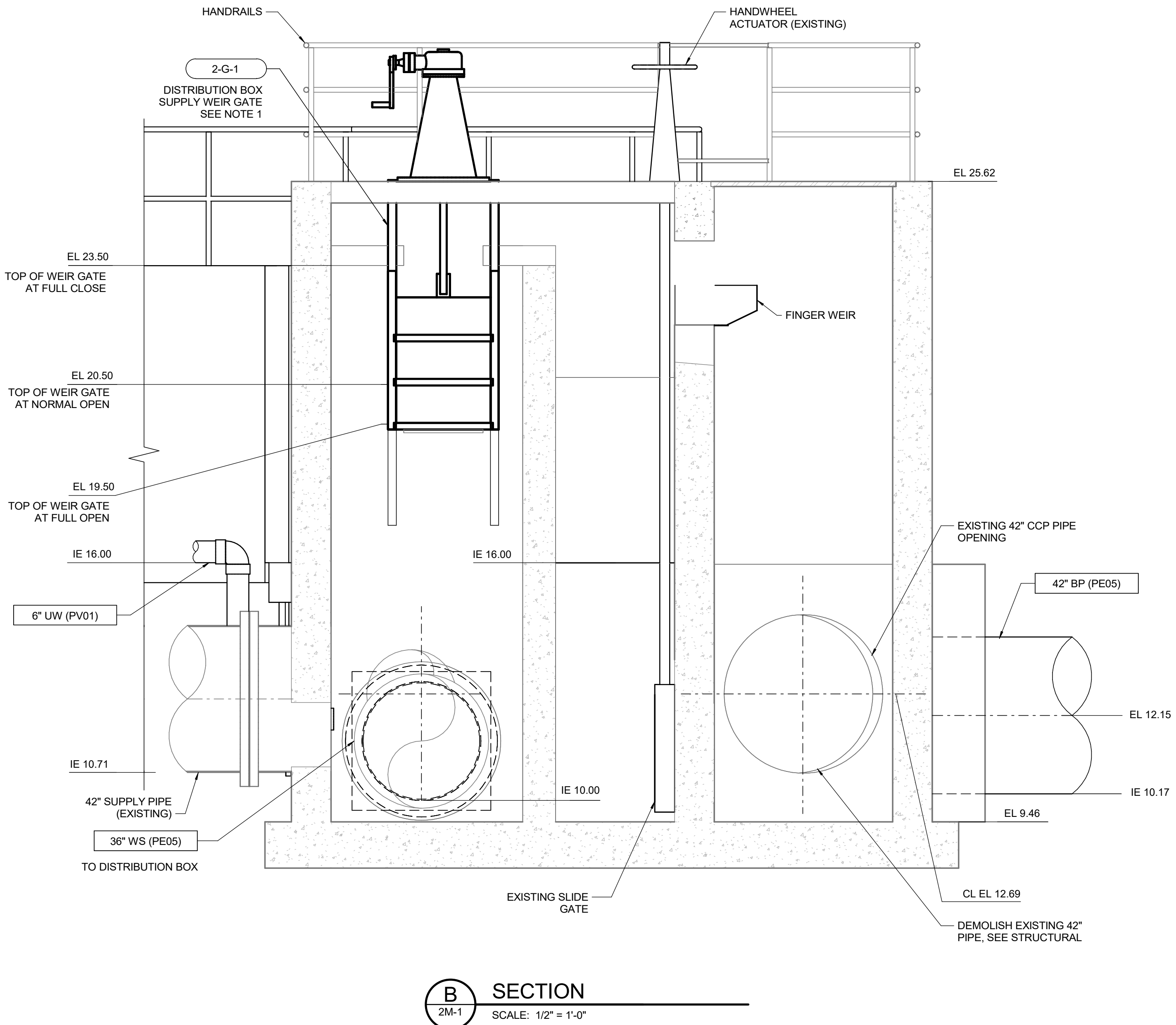
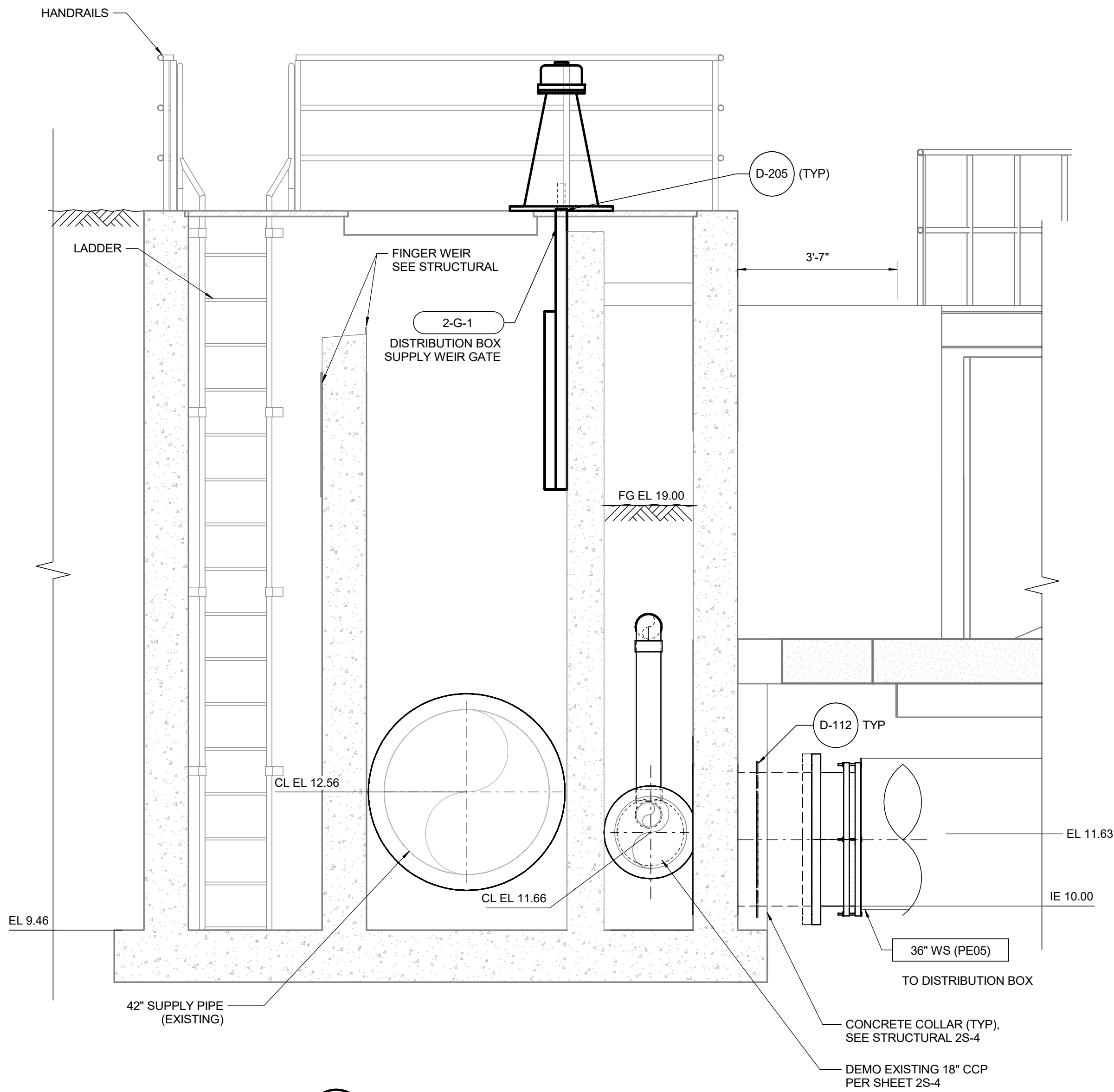
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



TULALIP TRIBES	DESIGNED M. VASILEV	DRAWING 2M-1
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	DRAWN E. BOWEN	
FLOW SPLITTING BOX MODIFICATIONS PLANS	CHECKED J. DALLAS	
	ISSUED DATE 06/29/26	

GENERAL SHEET NOTES

1. WEIR GATE TO BE SINGLE STEM WITH FRAMED OPENING SIMILAR TO DETAIL 1 ON SHEET 5M-3.



A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING

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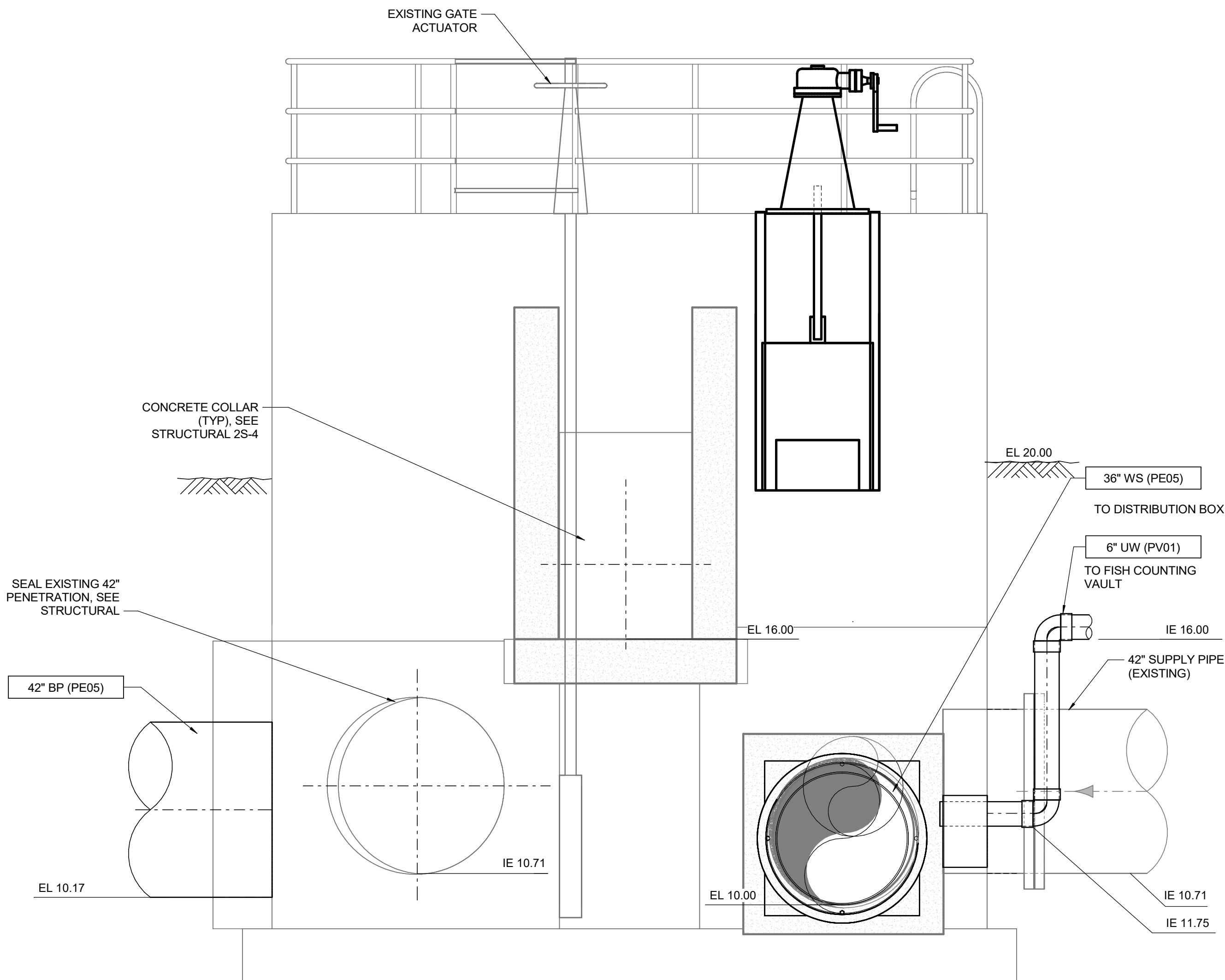
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



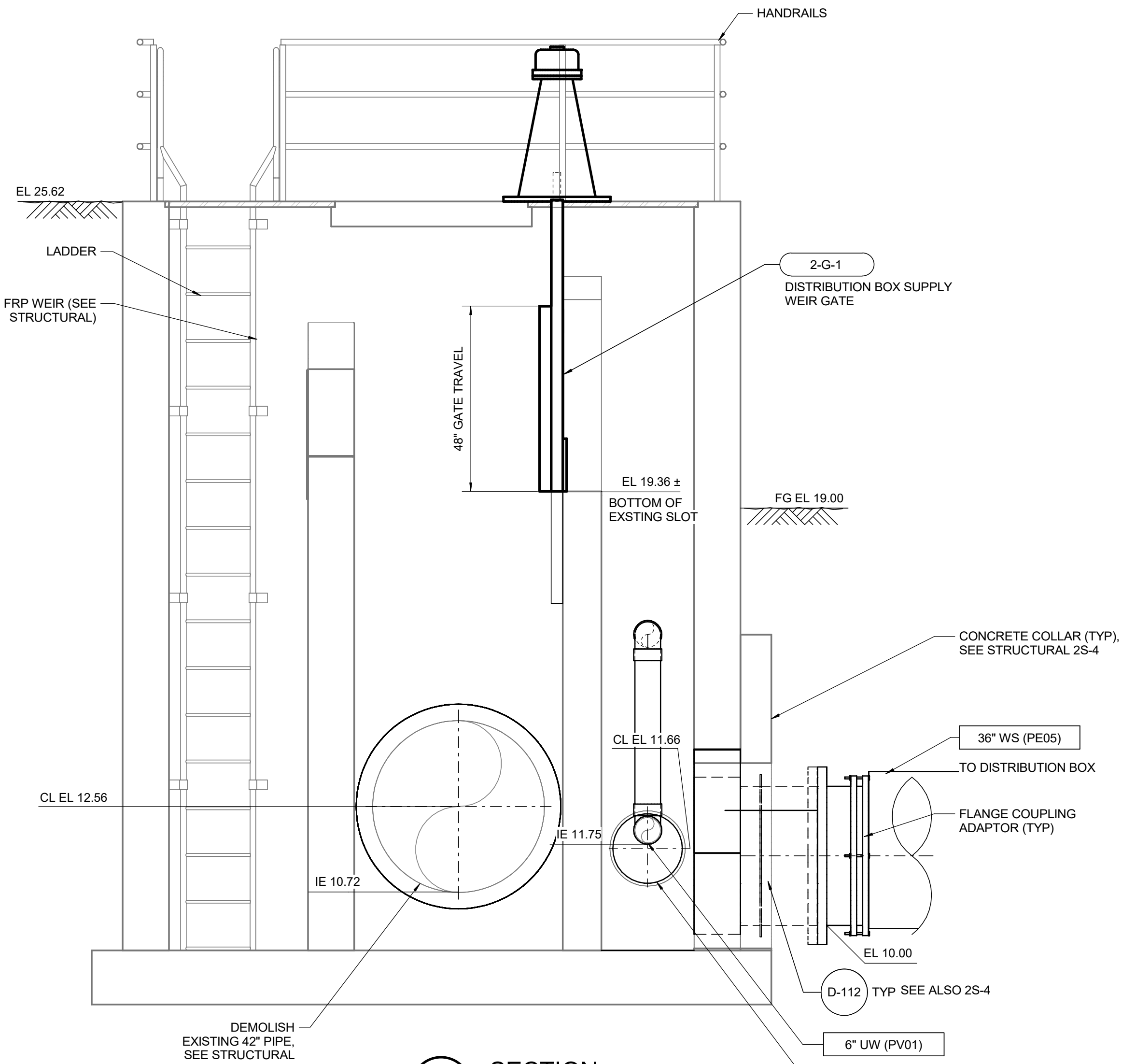
TULALIP TRIBES	DESIGNED M. VASILEV	DRAWING
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	DRAWN E. BOWEN	2M-2
FLOW SPLITTING BOX MODIFICATION SECTIONS - I	CHECKED J. DALLAS	
	ISSUED DATE 06/29/26	Exhibit E.2 Page 105 of 161

GENERAL SHEET NOTES

1. PROVIDE SHOP DRAWINGS WITH DIMENSIONS OF THE EXISTING RCP PRIOR TO FABRICATION.
2. ALL HDPE WELDS SHALL BE DONE IN ACCORDANCE WITH THE MANUFACTURERS' RECOMMENDATIONS.
3. THE SILICON SEALANT SHALL BE APPROVED BY THE ENGINEER.



C SECTION
2M-1
SCALE: 1/2" = 1'-0"



D SECTION
2M-1
SCALE: 1/2" = 1'-0"

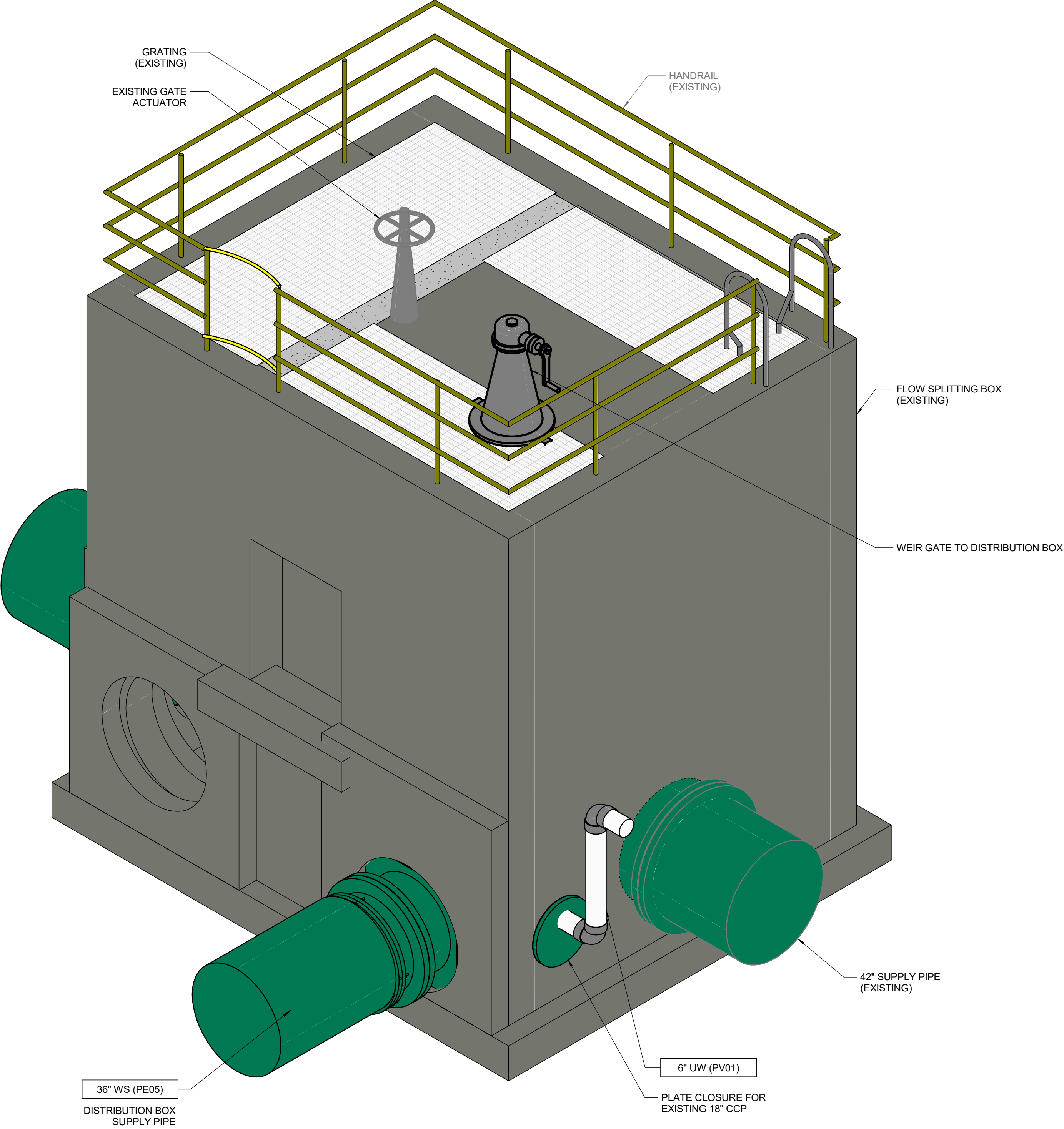
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REV	DATE	BY	DESCRIPTION

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NOT FOR CONSTRUCTION

WARNING
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IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



TULALIP TRIBES		DESIGNED M. VASILEV	DRAWING		
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT				DRAWN E. BOWEN	
FLOW SPLITTING BOX MODIFICATION SECTION - II					CHECKED J. DALLAS
		Exhibit E-2 Page 106 of 161			
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ISOMETRIC VIEW
SCALE:

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

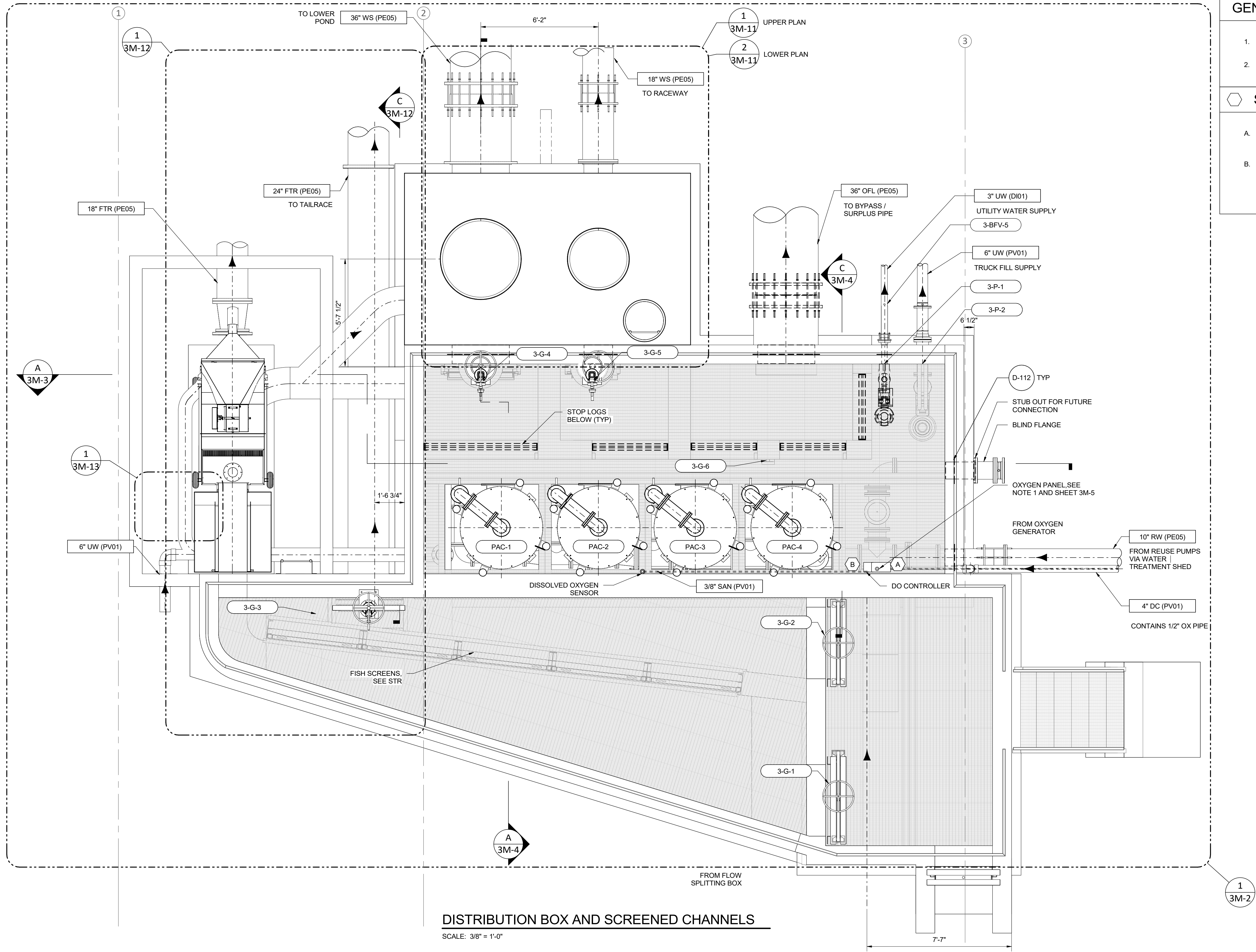
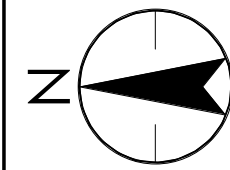
PRELIMINARY
NOT FOR CONSTRUCTION

WARNING

0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



TULALIP TRIBES		DRAWING 2M-4
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT		
FLOW SPLITTING BOX MODIFICATION ISOMETRIC VIEW		
DESIGNED	M. VASILEV	
DRAWN	E. BOWEN	Exhibit E.2 Page 107 of 161 Exhibit E.2 Page 107 of 161
CHECKED	J. DALLAS	
ISSUED DATE	06/29/26	



- GENERAL SHEET NOTES
1. PROVIDE AN ALUMINIUM OR STAINLESS STEEL MOUNTING TO THE HANDRAIL INSTALL OXYGEN FLOW METER AND MANIFOLD PIPING INSIDE

2. MOUNT LOCAL DISPLAY AT SPAWNING SHED, FIELD CONFIRM LOCATION
- SHEET KEYNOTES
- A. OXYGEN FLOWMETER WITH BUILT-IN BRASS FLOW REGULATING VALVE SUITABLE FOR OXYGEN SERVICE. SCAL 4-40 CUBIC FEET PER HOUR, PENTAIR MODEL MFR440 OR EQUAL

B. DISSOLVED OXYGEN ANALYZER/ CONTROLLER TRANSMITTER, SEE SPECIFICATIONS.

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

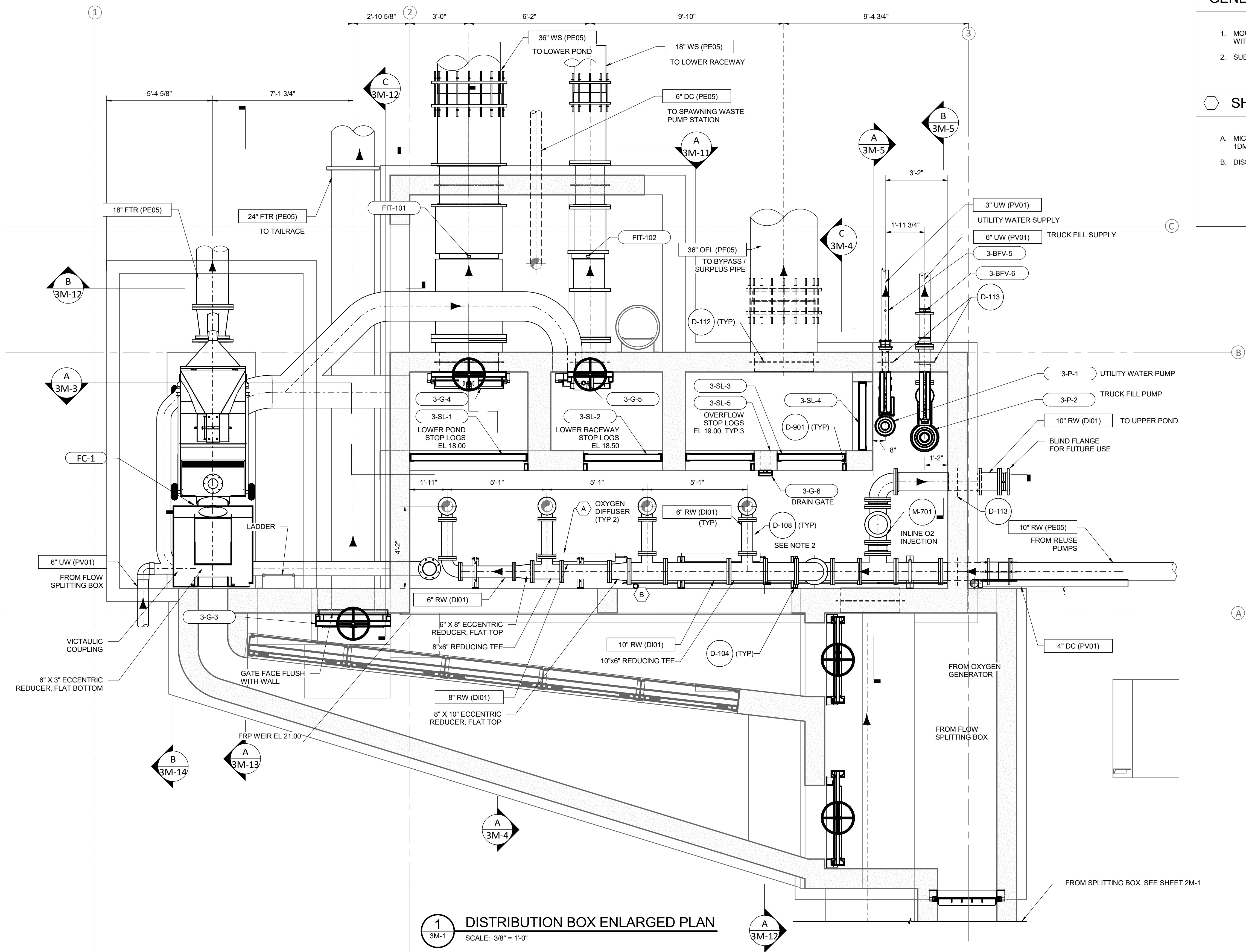
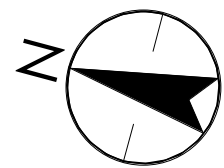
WARNING

0 1/2 1

IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



TULIP TRIBES	DESIGNED M. VASILEV	DRAWING
TULIP CREEK LOWER POND IMPROVEMENTS PROJECT	DRAWN M. TRACY	3M-1
DISTRIBUTION BOX AND SCREENED CHANNELS	CHECKED J. DALLAS	
	ISSUED DATE 06/29/26	



- GENERAL SHEET NOTES
1.

MOUNT MICRO-BUBBLE OXYGEN DIFFUSERS TO FLOOR TO OXYGEN SUPPLY PIPING WITH SOLID BRASS CONNECTION FITTINGS.
2.

SUBMERGED PIPE SUPPORTS SHALL BE STAINLESS STEEL.
- SHEET KEYNOTES
- A.

MICRO-BUBBLE OXYGEN DIFFUSER WITH ALUMINIUM BASE, POINT FOUR MODEL 1DMBC120 OR EQUAL.
- B.

DISSOLVED OXYGEN SENSOR, SEE SPECIFICATIONS.

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING

0 1/2 1

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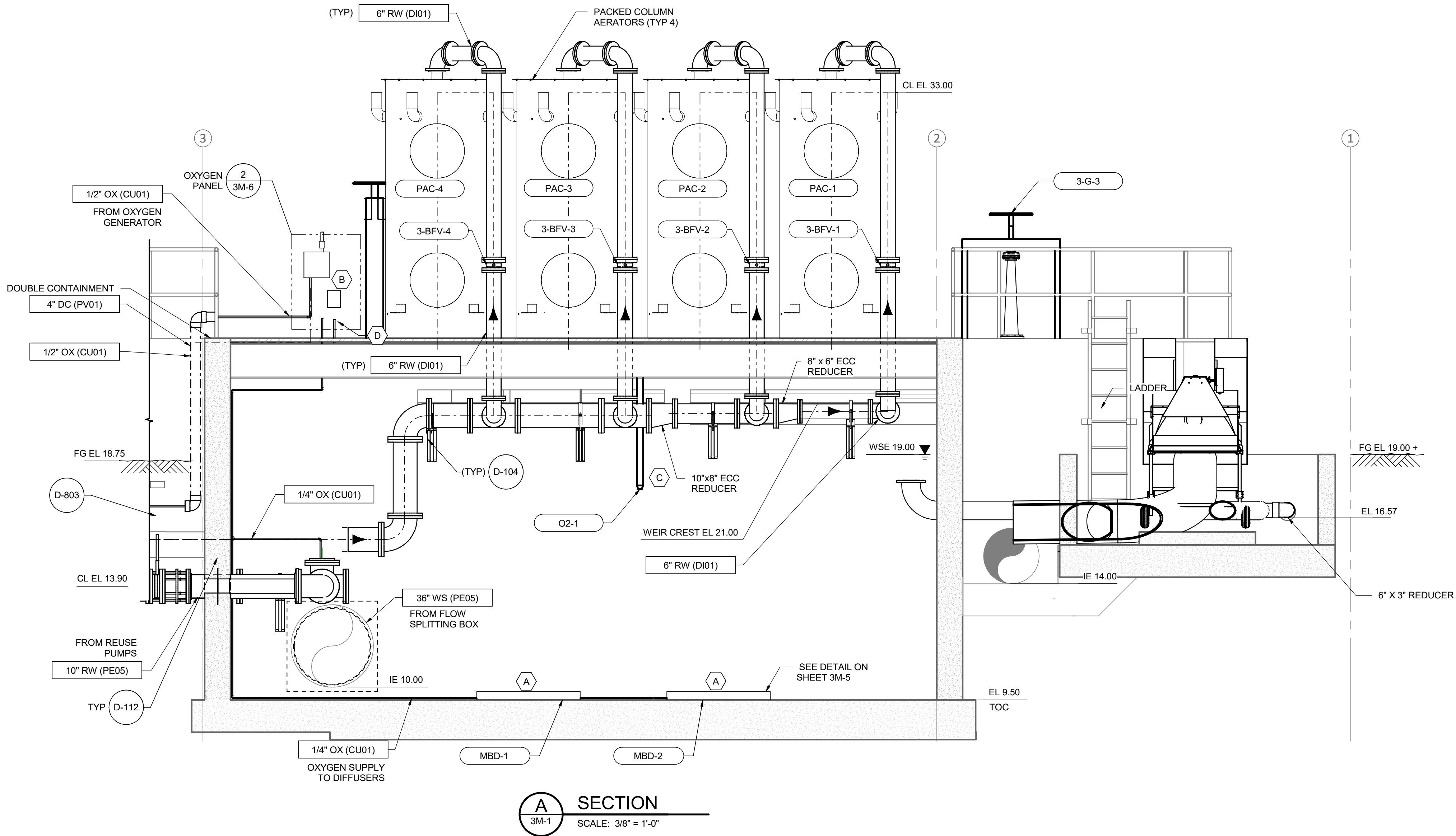
TULALIP TRIBES		DESIGNED <u>M. VASILEV</u> DRAWN <u>M. TRACY</u> CHECKED <u>J. DALLAS</u> ISSUED DATE <u>06/29/26</u>	DRAWING 3M-2
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT			
DISTRIBUTION BOX LOWER PLAN			

GENERAL SHEET NOTES

1. MOUNT MICRO-BUBBLE OXYGEN DIFFUSERS TO FLOOR TO OXYGEN SUPPLY PIPING WITH SOLID BRASS CONNECTION FITTINGS
2. PROVIDE AN ALUMINIUM OR STAINLESS STEEL MOUNTING TO THE HANDRAIL INSTALL OXYGEN FLOW METER AND MANIFOLD PIPING INSIDE
3. CONTRACTOR SHALL PROVIDE ADDITIONAL PIPE SUPPORTS AS NEEDED, SEE REQUIREMENTS OF SECTION 40 05 07 PIPE SUPPORTS.

SHEET KEYNOTES

- A. MICRO-BUBBLE OXYGEN DIFFUSER WITH ALUMINIUM BASE, POINT FOUR MODEL 1DMBC120 OR EQUAL
- B. OXYGEN FLOWMETER WITH BUILT-IN BRASS FLOW REGULATING VALVE SUITABLE FOR OXYGEN SERVICE. SCALE 4-40 CUBIC FEET PER HOUR, PENTAIR MODEL MFR440 OR EQUAL.
- C. DISSOLVED OXYGEN SENSOR, SEE SPECIFICATIONS, MOUNTED IN 4" SCH 40 PVC STILLING WELL
- D. DISSOLVED OXYGEN ANALZER/ CONTROLLET TRANSMITTER, SEE SPECIFICATIONS.



A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING

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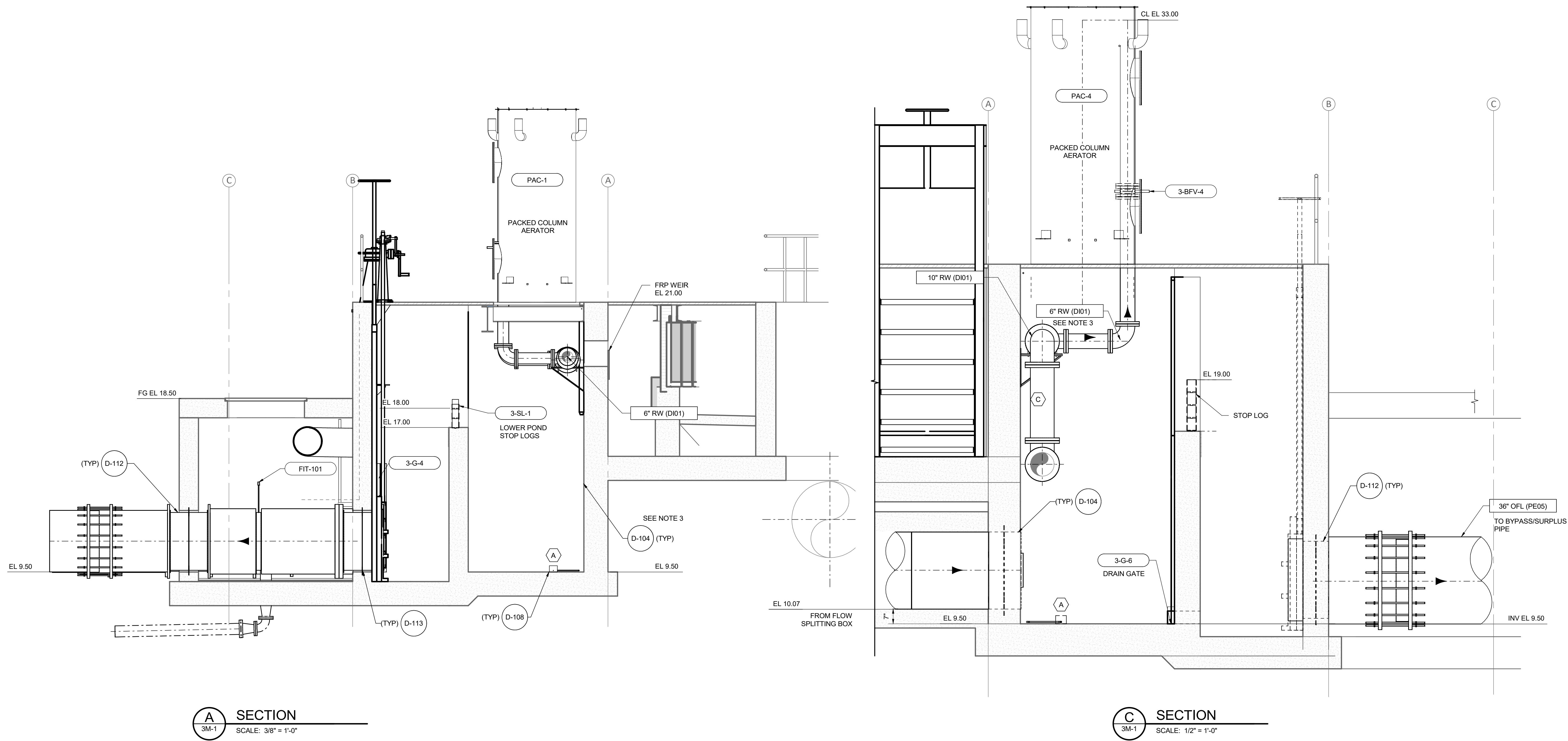


TULIP TRIBES		DRAWING	
TULIP CREEK LOWER POND IMPROVEMENTS PROJECT			
DISTRIBUTION BOX SECTIONS 1			DESIGNED M. VASILEV
			DRAWN M. TRACY
		CHECKED J. DALLAS	
		ISSUED DATE 06/29/26	

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3M-3



A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING
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IF THIS BAR DOES NOT
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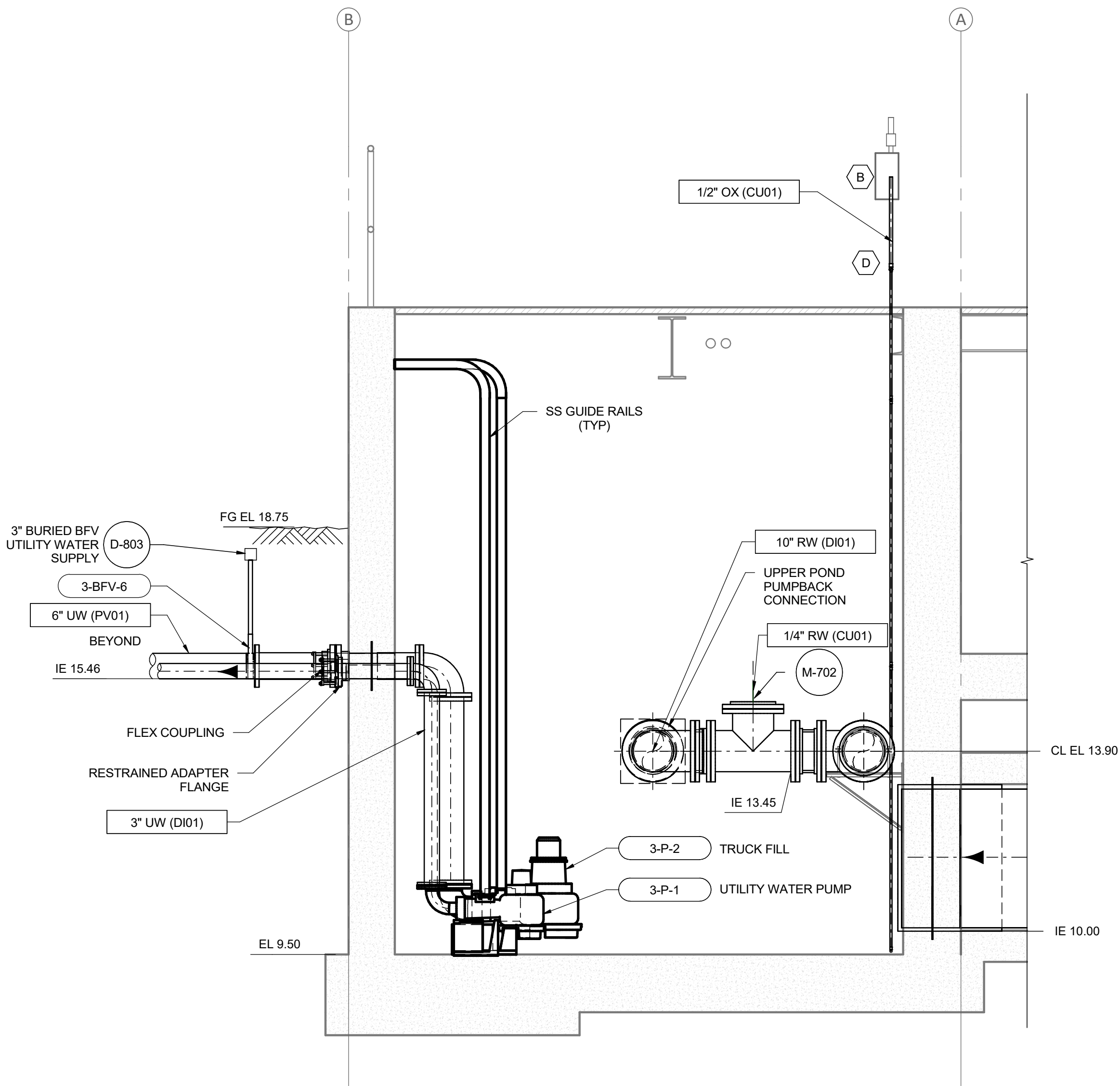
TULALIP TRIBES	DESIGNED M. VASILEV	DRAWING
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	DRAWN M. TRACY	3M-4
DISTRIBUTION BOX SECTIONS 2	CHECKED J. DALLAS	ISSUED DATE 06/29/26

GENERAL SHEET NOTES

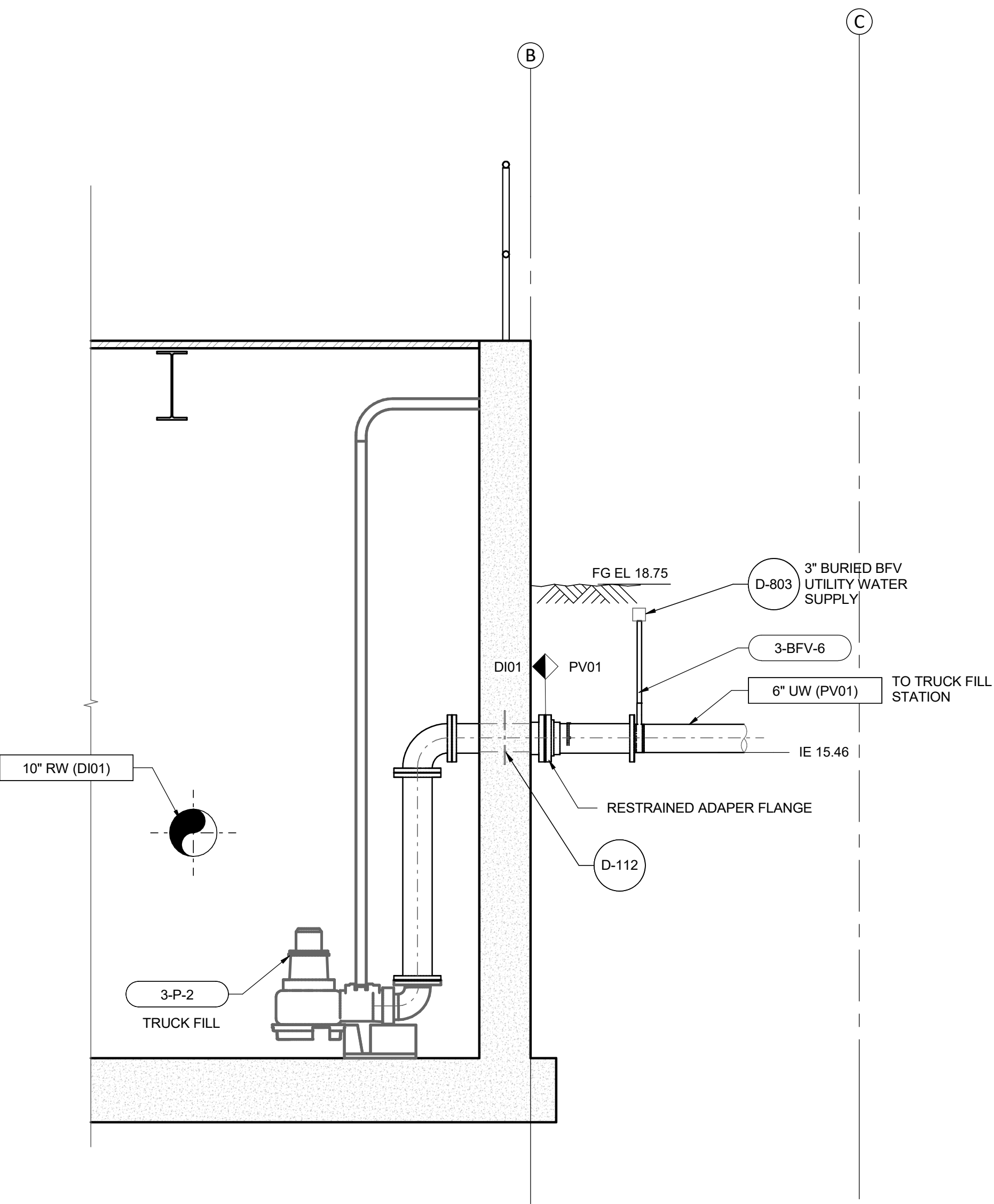
1. MOUNT MICRO-BUBBLE OXYGEN DIFFUSERS TO FLOOR TO OXYGEN SUPPLY PIPING WITH SOLID BRASS CONNECTION FITTINGS.
2. PROVIDE AN ALUMINIUM OR STAINLESS STEEL MOUNTING TO THE HANDRAIL INSTALL OXYGEN FLOW METER AND MANIFOLD PIPING INSIDE.
3. CONTRACTOR SHALL PROVIDE ADDITIONAL PIPE SUPPORTS AS NEEDED, SEE REQUIREMENTS OF SECTION 40 05 07 PIPE SUPPORTS.

SHEET KEYNOTES

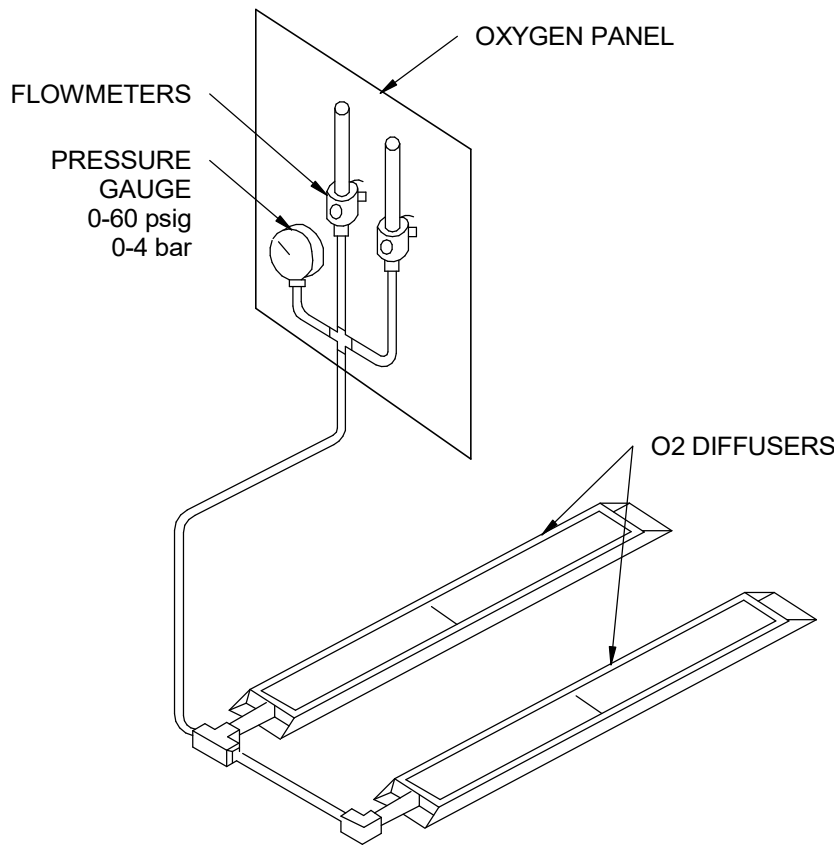
- A. MICRO-BUBBLE OXYGEN DIFFUSER WITH ALUMINIUM BASE, POINT FOUR MODEL 1DMBC120 OR EQUAL.
- B. OXYGEN FLOWMETER WITH BUILT-IN BRASS FLOW REGULATING VALVE SUITABLE FOR OXYGEN SERVICE. SCALE 4-40 CUBIC FEET PER HOUR, PENTAIR MODEL MFR440 OR EQUAL.
- C. DISSOLVED OXYGEN SENSOR, SEE SPECIFICATIONS, MOUNTED IN 4" SCH 40 PVC STILLING WELL.
- D. DISSOLVED OXYGEN ANALZER/ CONTROLLET TRANSMITTER, SEE SPECIFICATIONS.



A SECTION
3M-2
SCALE: 1/2" = 1'-0"



B SECTION
3M-2
SCALE: 1/2" = 1'-0"



C OXYGEN SUPPLY SCHEMATIC
NO SCALE

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

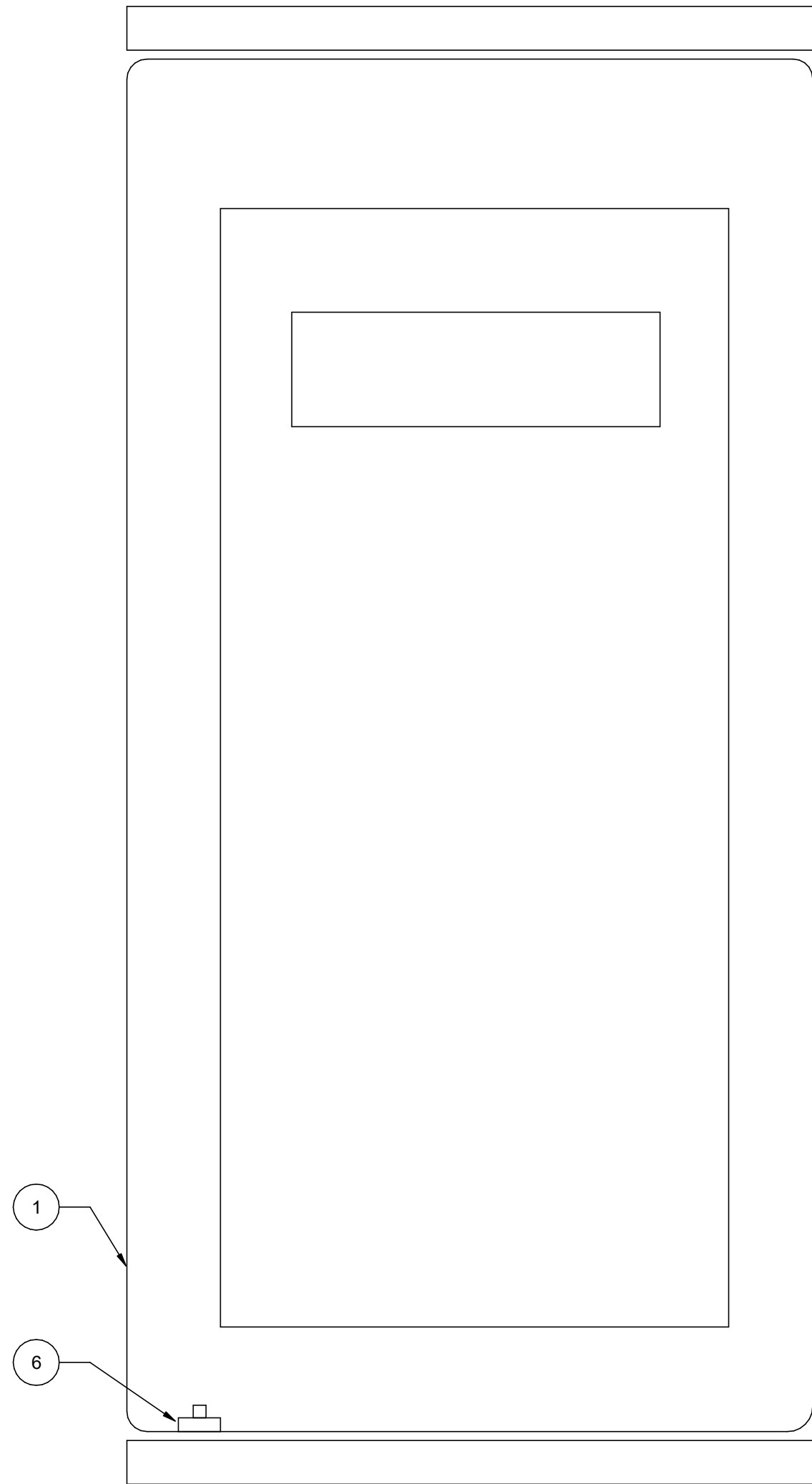
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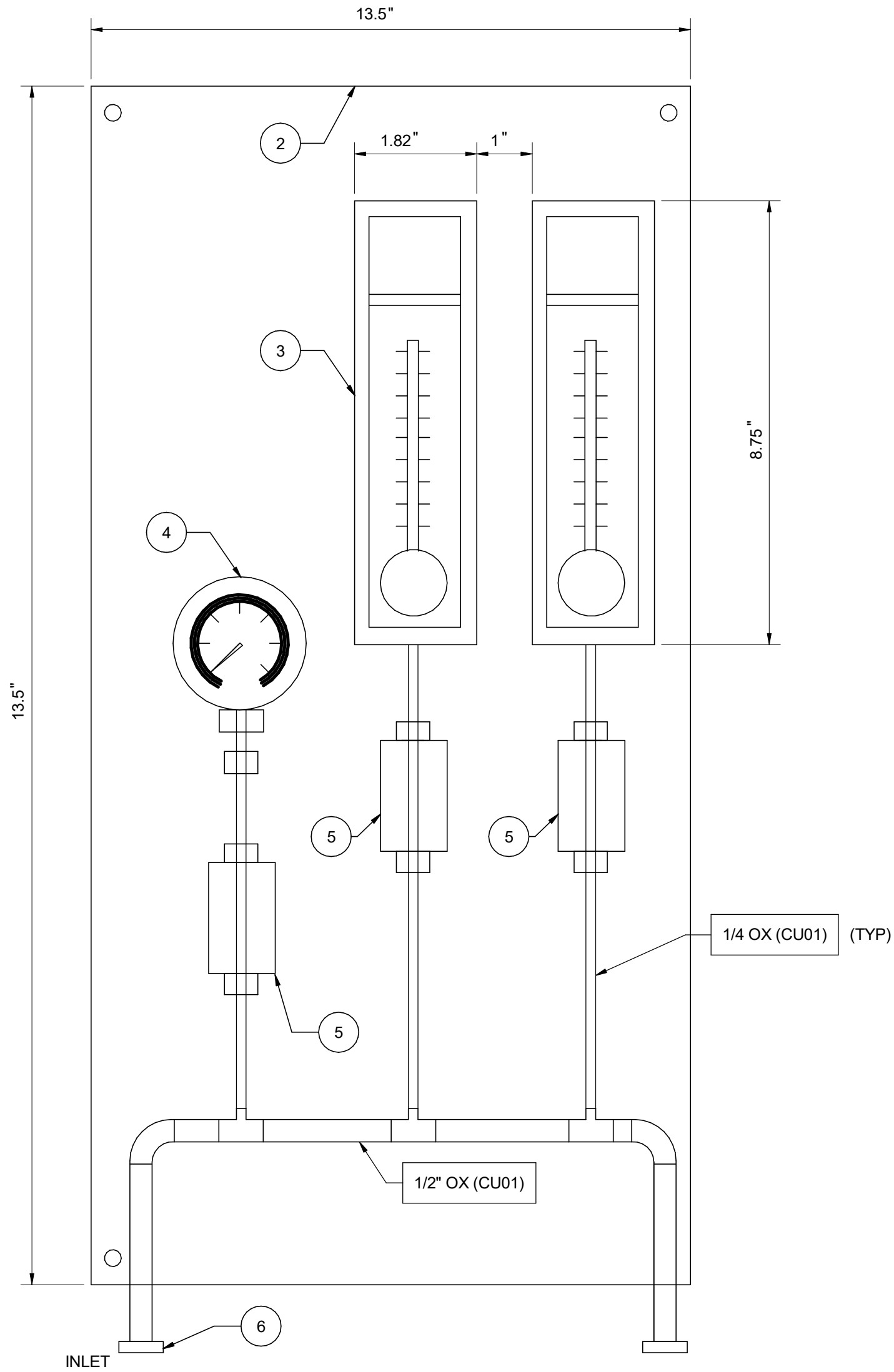
IF THIS BAR DOES NOT
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DRAWING IS NOT TO SCALE.



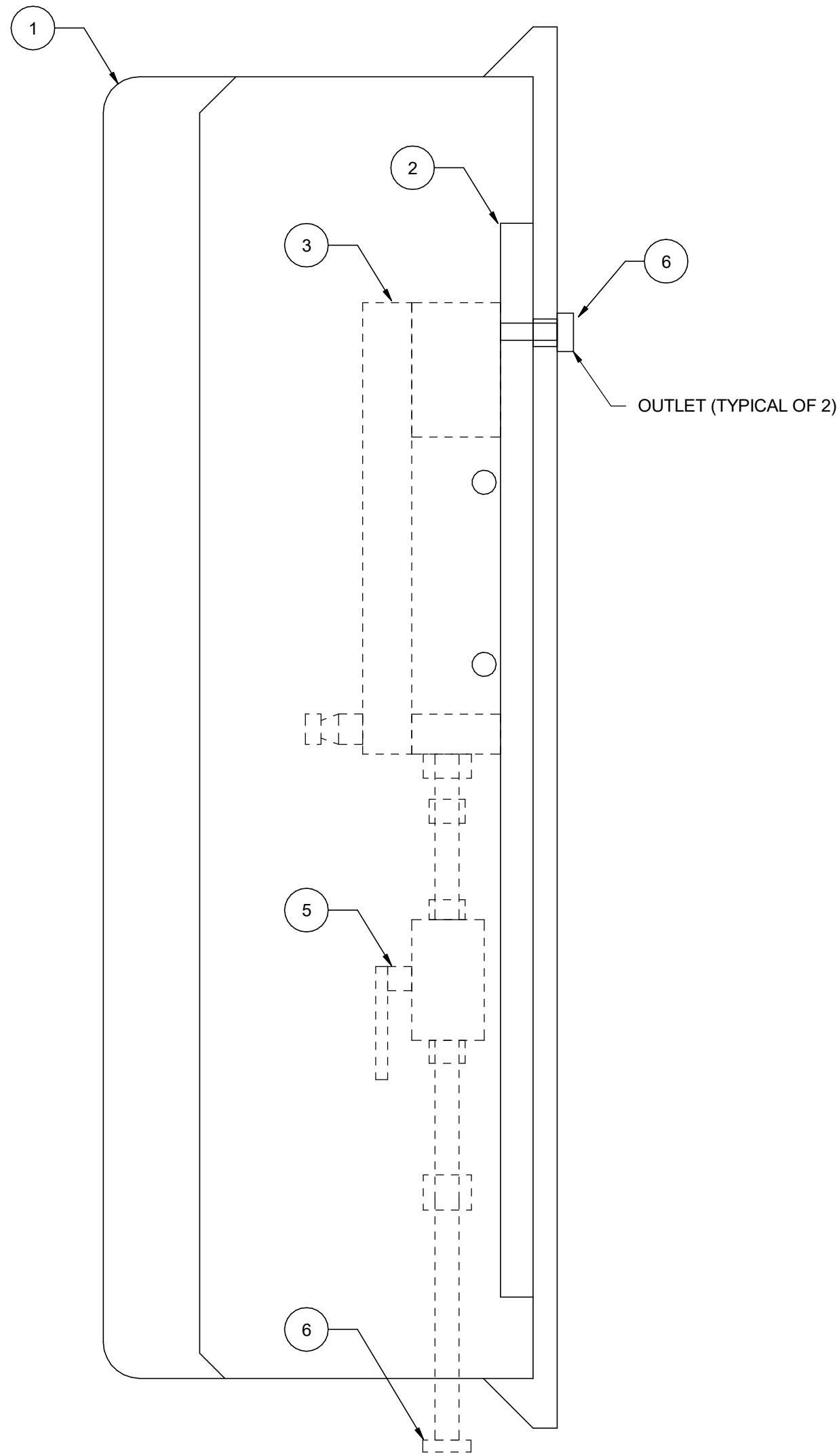
TULALIP TRIBES	DESIGNED M. VASILEV	DRAWING 3M-5
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	DRAWN M. TRACY	
DISTRIBUTION BOX SECTIONS 3	CHECKED J. DALLAS	
	ISSUED DATE 06/29/26	



A FLOW METER PANEL LAYOUT DIAGRAM EXTERIOR VIEW
- NO SCALE



B FLOW METER PANEL LAYOUT DIAGRAM INTERIOR VIEW
- NO SCALE



C FLOW METER PANEL LAYOUT DIAGRAM SIDE VIEW
- NO SCALE

ITEM	DESCRIPTION	MANUFACTURER	PART NUMBER	QYT
1	TYPE 4x ENCLOSURE (30.25x24.25x6.00) C/W DOCUMENT HOLDER	HOFFMAN	A30H2406GQRLP	1
2	FULL SIZE MOUNTING PANEL	HOFFMAN	A30P24	1
3	VARIABLE AREA FLOWMETER, 5-50 SCFH, 2" SCALE, 1/4" FEMALE NPT	DWYER	RMB-52-SSV	5
4	PRESSURE GAUGE, 0-100 PSI, 2.5", 1/4" NPT	WIKA	9767061	1
5	2 WAY BALL VALVE, 1/4" FRACTIONONAL TUBE CONNECTION, 3.18mm ORIFICE	DWYER	MSV-BD220	6
6	BULKHEAD PIPE FITTING	-	-	6
7	VARIOUS BRAA PIPING / FITTINGS 1/4"	-	-	AS REQ
8	NAME PLATE : XXX XXXX (TO BE DETERMINED)	TBD	TBD	1

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

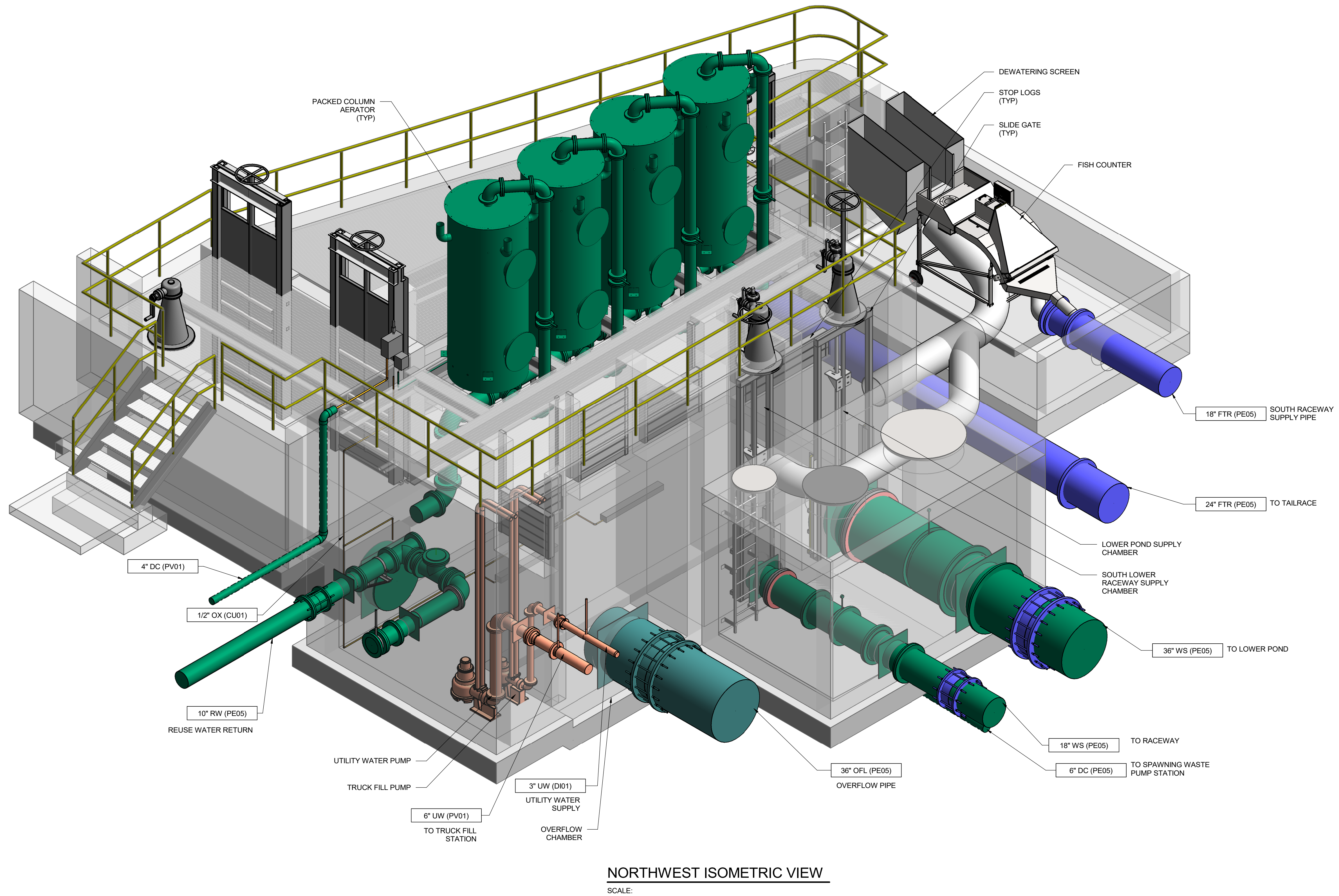
PRELIMINARY
NOT FOR CONSTRUCTION

WARNING

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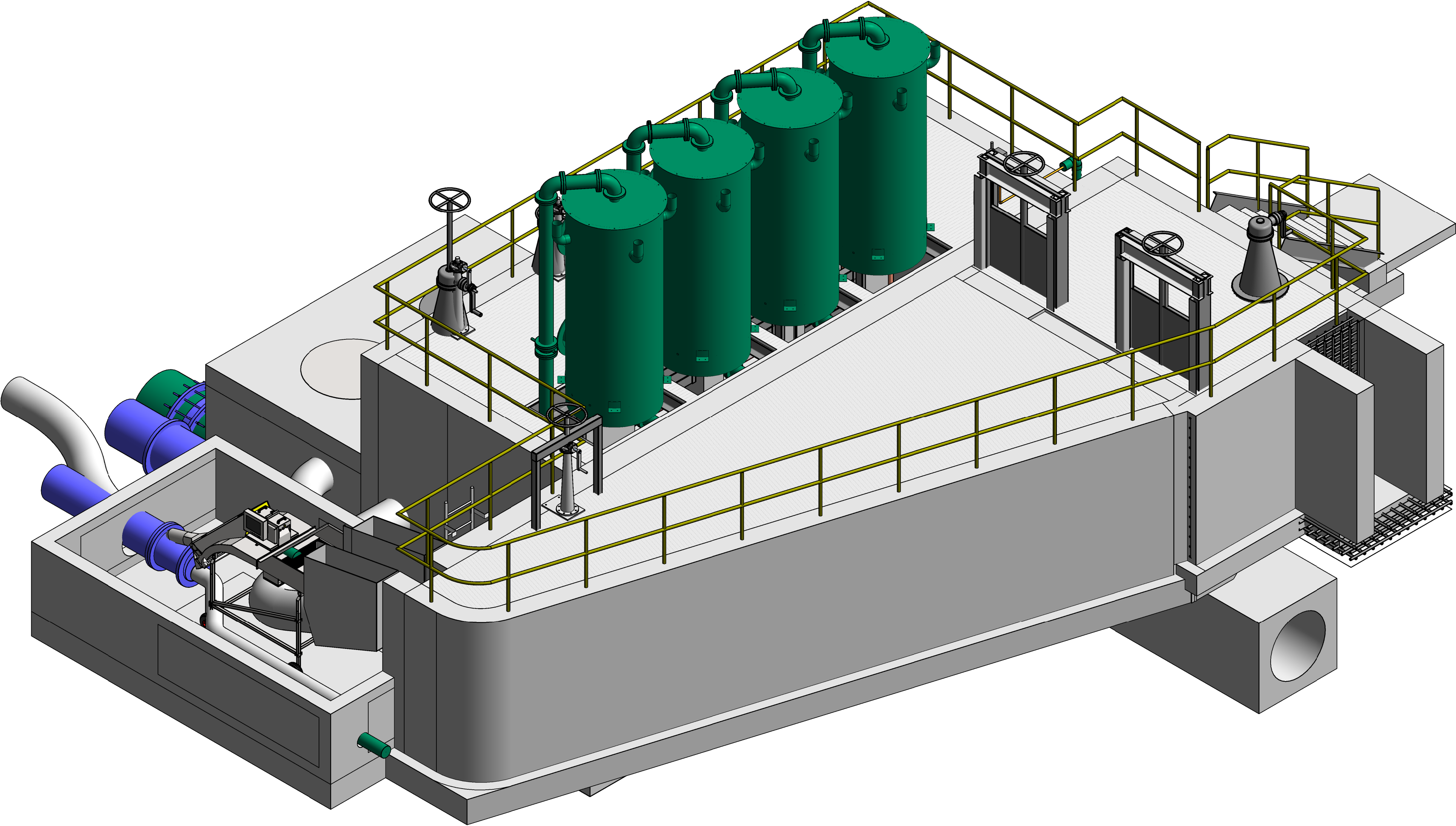


TULALIP TRIBES		DESIGNED <u>LR</u> DRAWN <u>DW</u> CHECKED <u>STN</u> ISSUED DATE <u>06/29/26</u>	DRAWING 3M-6
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT			
DISTRIBUTION BOX DETAILS			



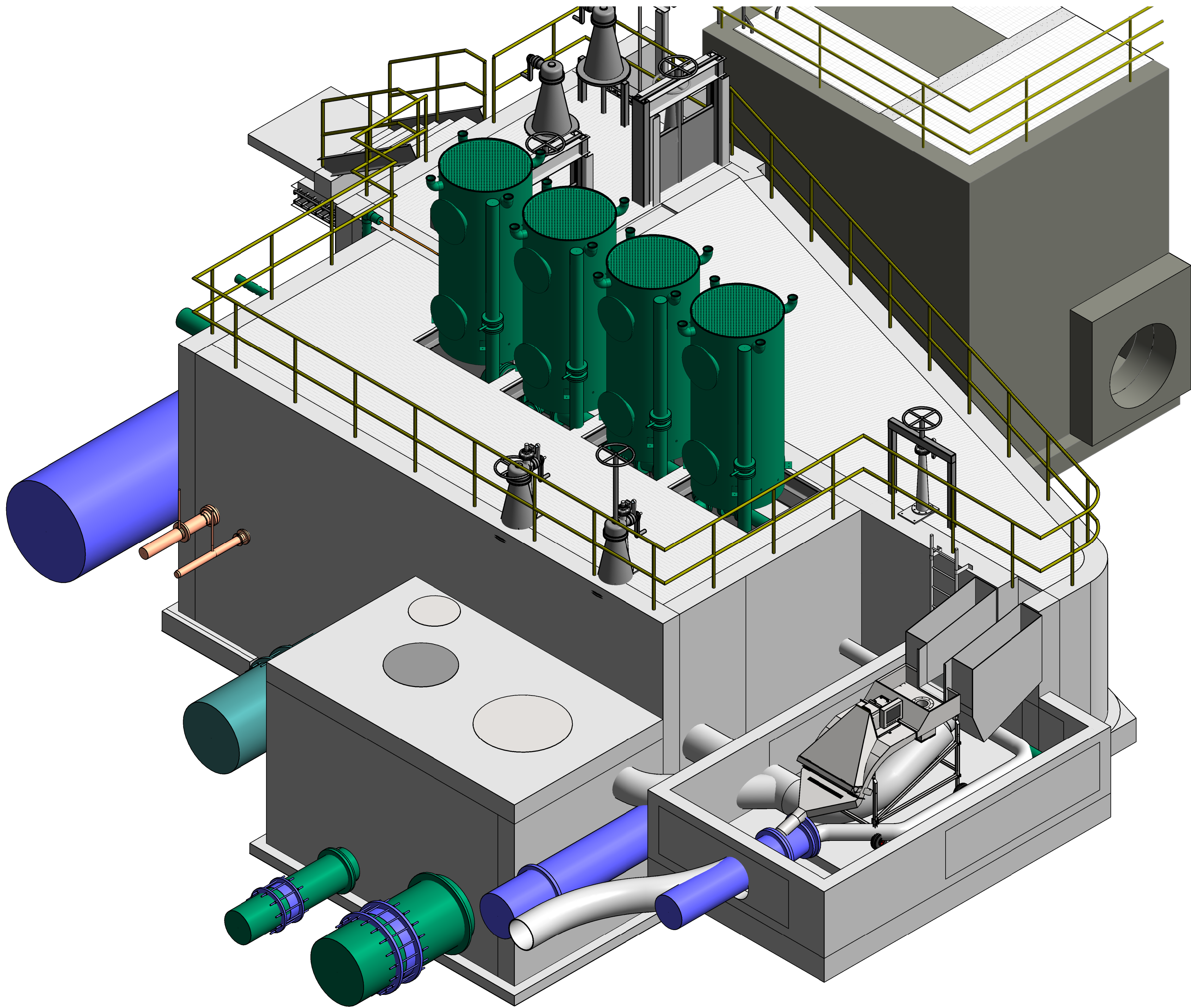
NORTHWEST ISOMETRIC VIEW
SCALE:

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SOUTHEAST ISOMETRIC VIEW
SCALE:

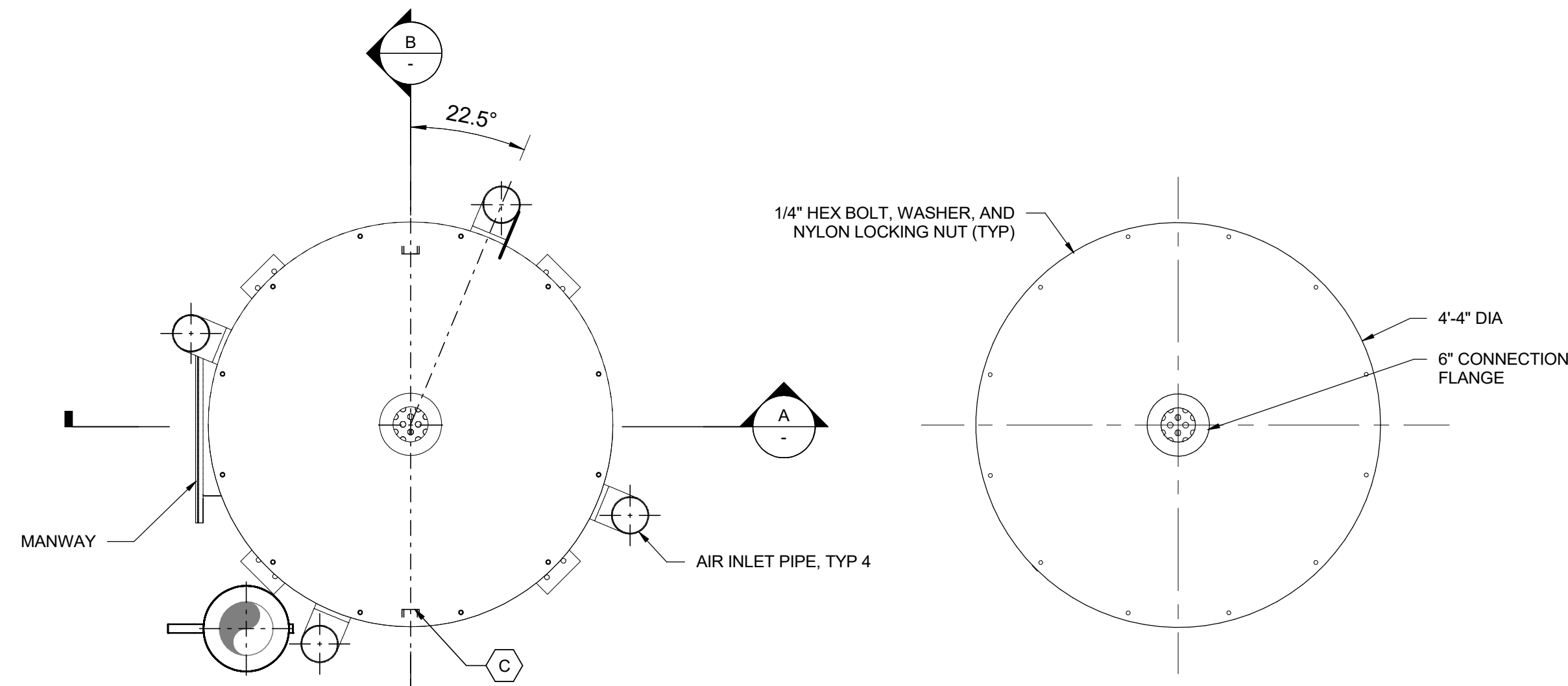
				PRELIMINARY NOT FOR CONSTRUCTION	WARNING 01/21 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.	McMillen 1471 Shoreline Dr. Ste 100, Boise, ID 83702 (208) 342-4214 mcmillen.com	TULALIP TRIBES	TULALIP TRIBES	DESIGNED B. WELTON	DRAWING 3M-8				
								TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	DRAWN M. TRACY					
								DISTRIBUTION BOX ISOMETRIC VIEWS 2	CHECKED J. DALLAS					
									ISSUED DATE 06/29/26					
A	06/29/26	RM	PRE-FINAL DESIGN											
REV	DATE	BY	DESCRIPTION											



SOUTHWEST ISOMETRIC VIEW

SCALE:

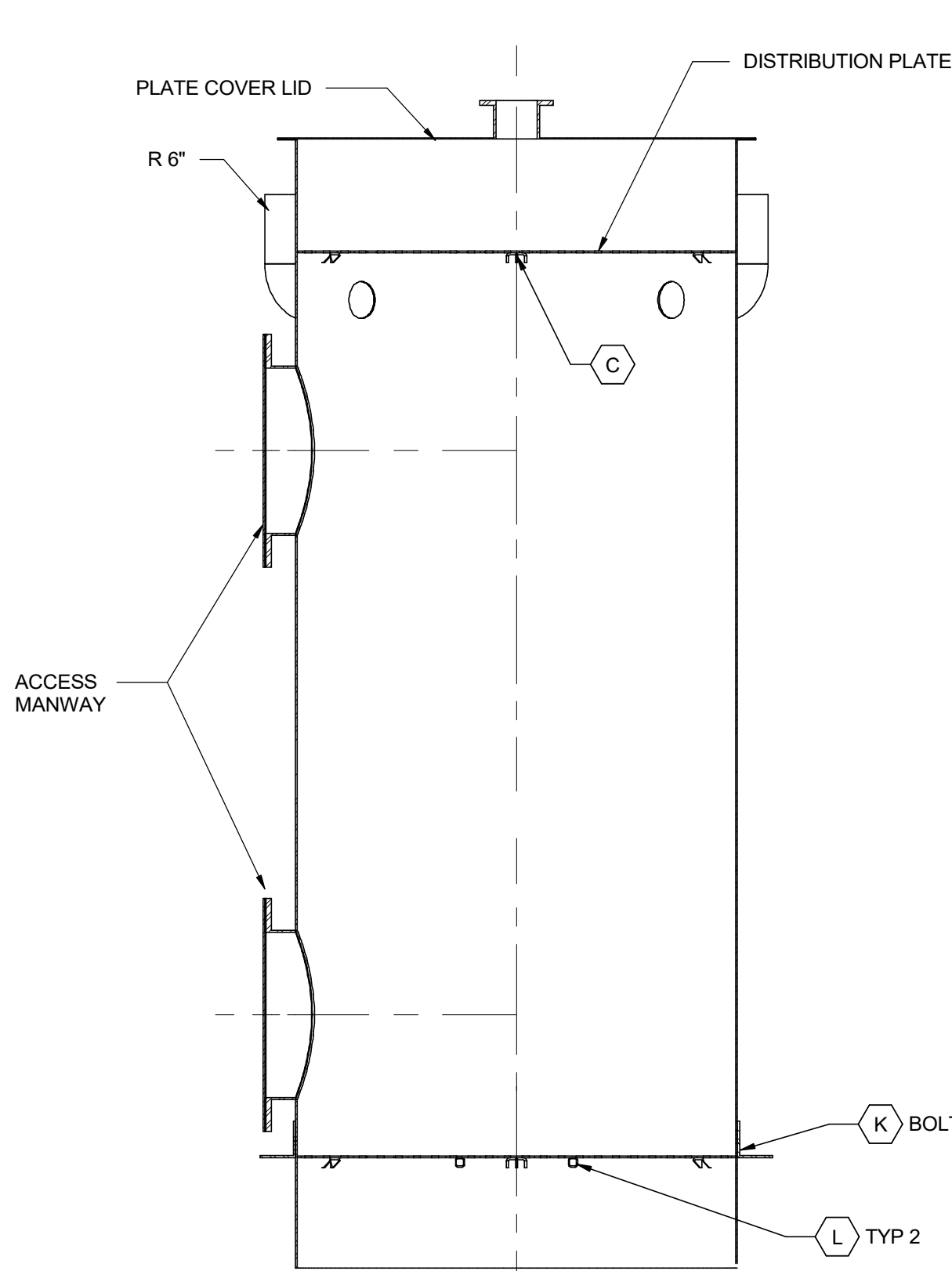
				PRELIMINARY NOT FOR CONSTRUCTION	WARNING 01/21 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.	McMillen 1471 Shoreline Dr. Ste 100, Boise, ID 83702 (208) 342-4214 mcmillen.com	TULALIP TRIBES	TULALIP TRIBES		DESIGNEDB. WELTON DRAWNM. TRACY CHECKEDJ. DALLAS ISSUED DATE06/29/26	DRAWING 3M-9				
								TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT							
								DISTRIBUTION BOX ISOMETRIC VIEWS 3							
A	06/29/26	RM	PRE-FINAL DESIGN							Exhibit E.2 Page 116 of 161					
REV	DATE	BY	DESCRIPTION							Exhibit E.2 Page 116 of 161					



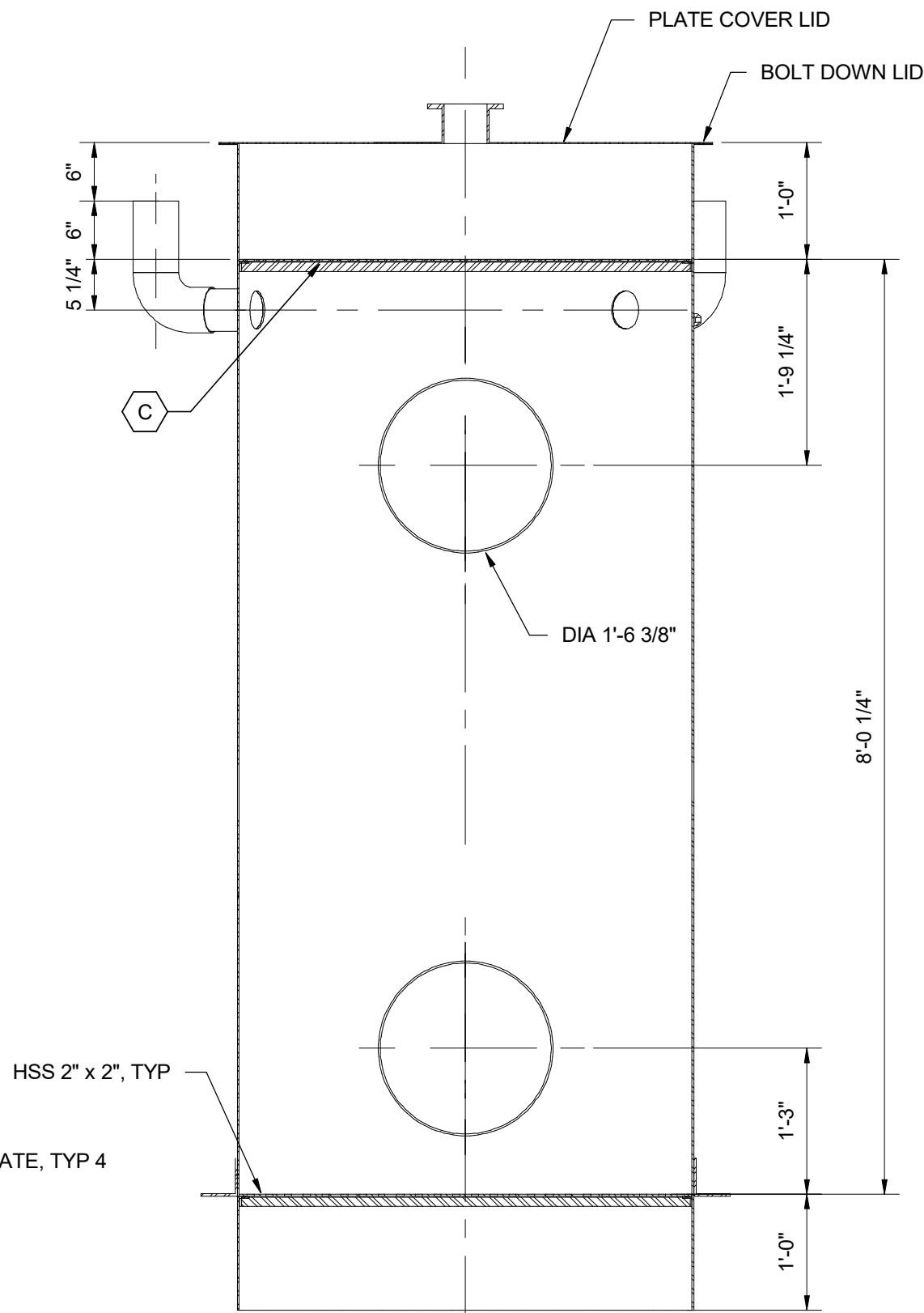
NOTE:
1. COVER NOT SHOWN FOR CLARITY.

1 TYPICAL TOWER PLAN
SCALE: 3/4" = 1'-0"

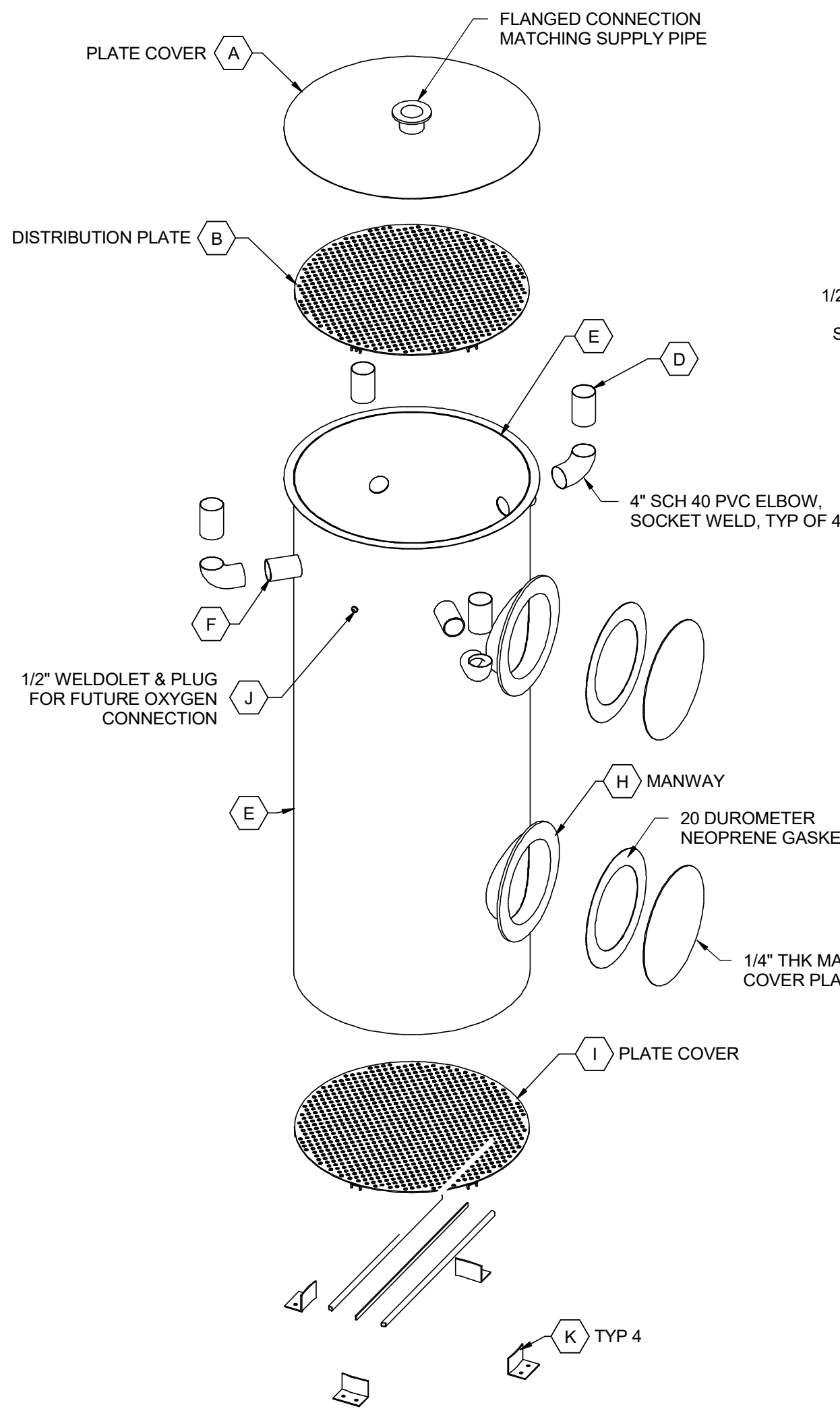
2 PLATE COVER
SCALE: 3/4" = 1'-0"



A SECTION
3M-10
SCALE: 3/4" = 1'-0"



B SECTION
3M-10
SCALE: 3/4" = 1'-0"



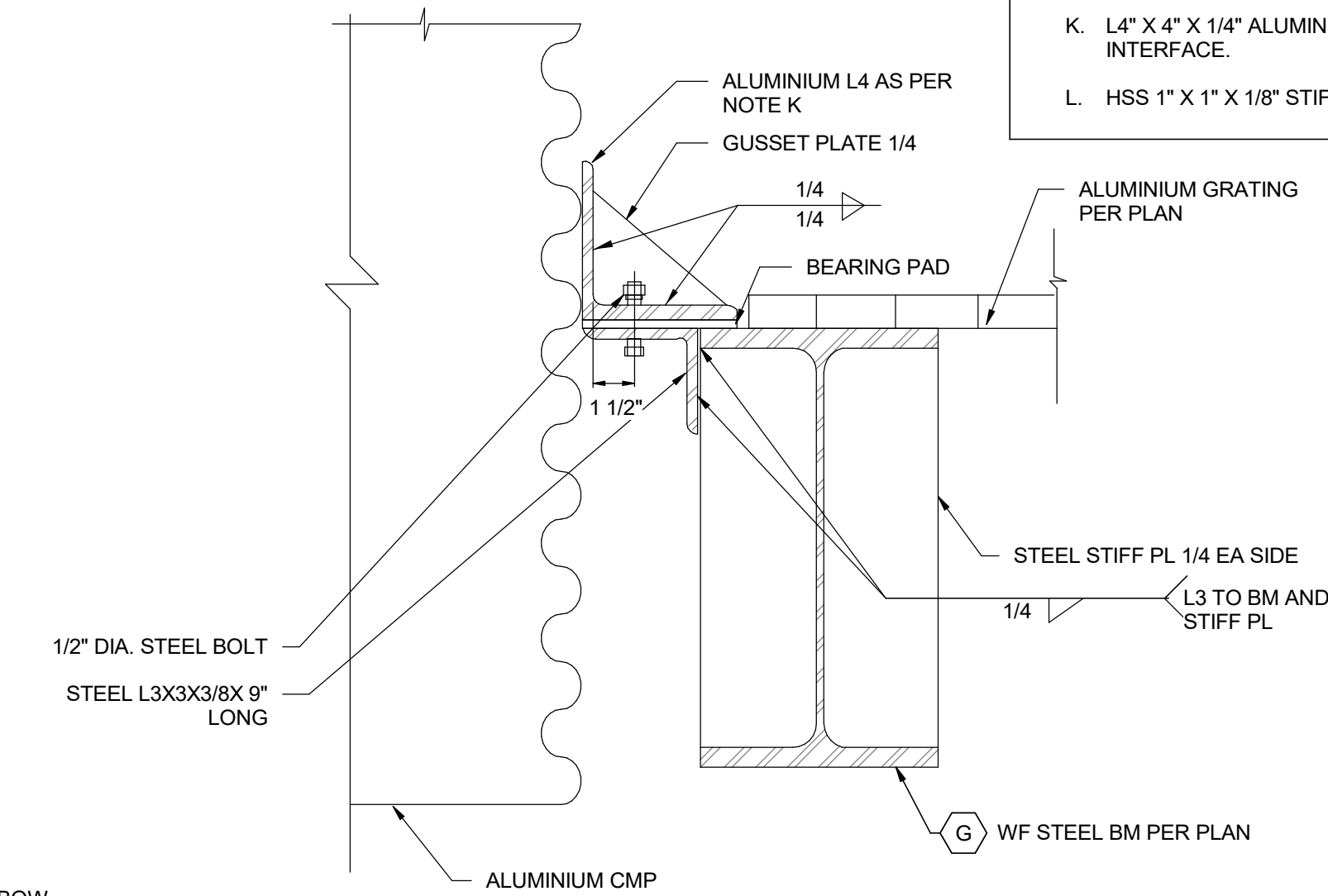
C ISOMETRIC VIEW 1
SCALE: 3/8" = 1'-0"

GENERAL SHEET NOTES

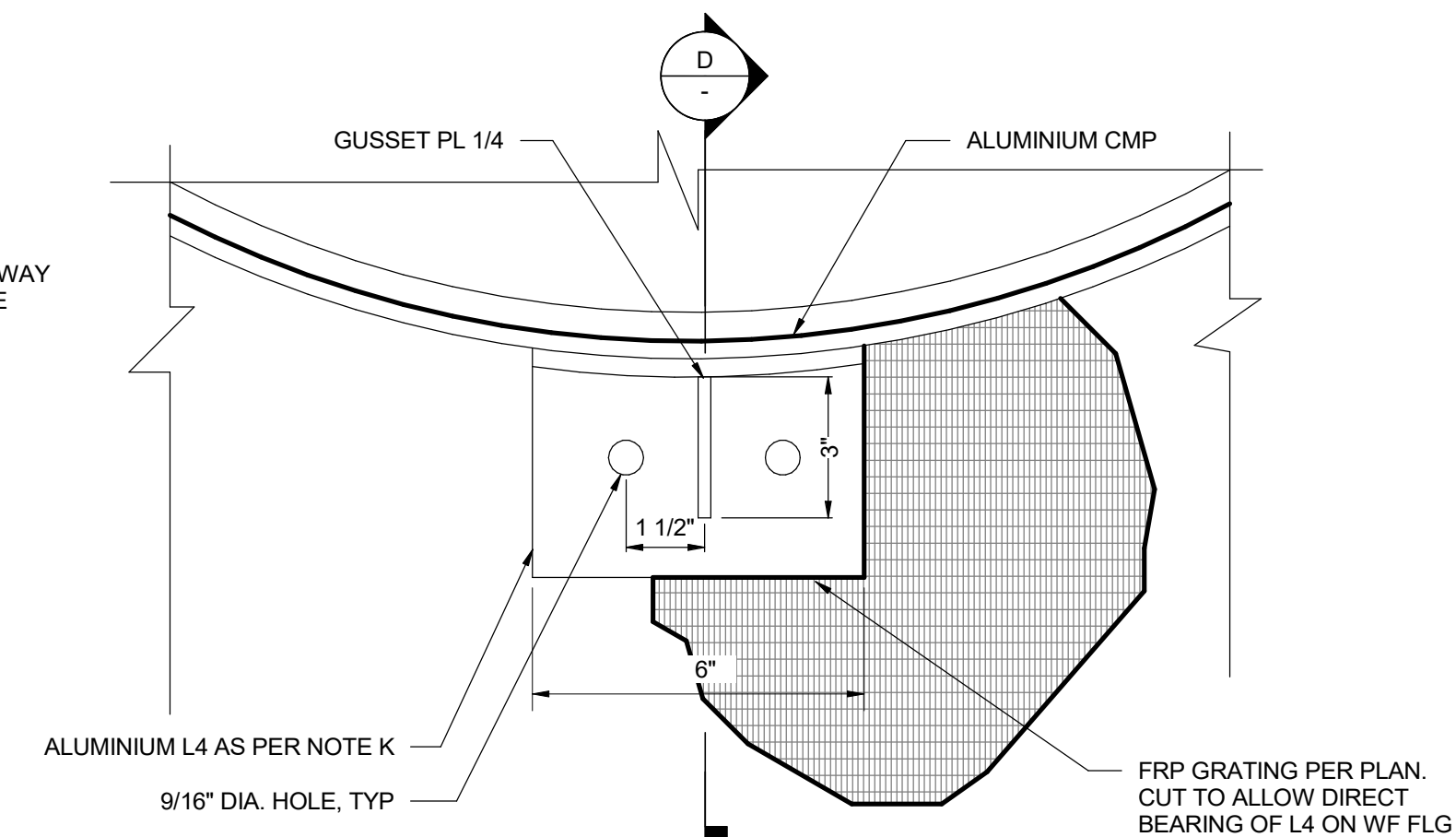
- COLUMNS SHALL BE PROVIDED FILLED COMPLETELY WITH MEDIA BETWEEN THE RETAINER PLATE AND THE DISTRIBUTION PLATE. SEE SPECIFICATION FOR MEDIA TYPE.
- ALL EXTERNAL CONNECTIONS TO THE TOWER AND THE AIR COLLECTION CHAMBER SHALL BE SEAL WELDED.

SHEET KEYNOTES

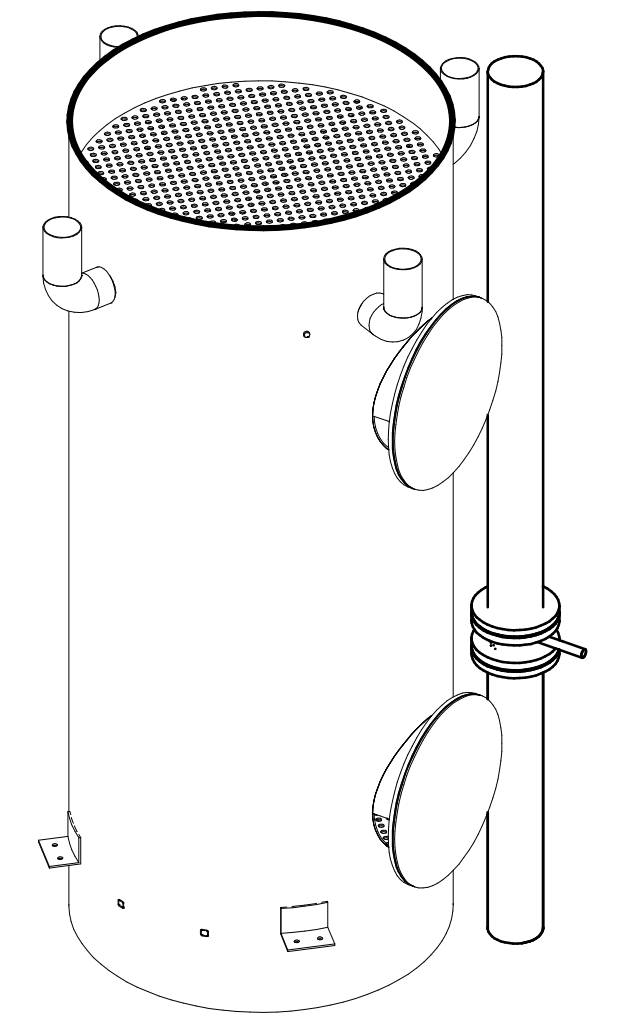
- A. 12 GA ALUMINUM PLATE COVER
- B. DISTRIBUTION PLATE FOR TOWERS SHALL BE FABRICATED FROM 10 GA PERFORATED ALUMINUM PLATE WITH 1/4" DIA STAGGERED HOLES AT 1" OC, APPROX 4.9% OPEN AREA.
- C. 1/4" X 2" STIFFENER RIB.
- D. 4" SCH 40 PVC ELBOW AND PIPE. PIPE EXTENSION SHALL BE PROVIDED TO MATCH TOP OF THE TOWER LID.
- E. 48" ALUMINUM CORRUGATED METAL PIPE (CMP).
- F. 4" ALUMINUM PIPE.
- G. SEE STRUCTURAL DRAWINGS FOR SUPPORT BEAMS.
- H. MANWAY CONNECTION FLANGE AND MANWAY COVER PLATE SHALL BE FABRICATED FROM 1/4" ALUMINUM PLATE. PROVIDE BOLTS AT 3" OC FOR FLANGE AND COVER PLATE, 1/4" ALUMINUM HEX BOLTS WITH WASHERS AND NYLON LOCKING NUTS.
- I. RETAINER PLATE FOR ALL TOWERS SHALL BE FABRICATED FROM 11 GA MIN PERFORATED ALUMINUM PLATE WITH 3/4" STAGGERED HOLES AT 1" OC, APPROX 50% OPEN AREA.
- J. WELDOLET SHALL BE MODEL NO. 4565T331, 1/2" 304/304L SS THREADED PIPE FITTING.
- K. L4" X 4" X 1/4" ALUMINIUM PLATE. SEE DETAIL ON THIS SHEET FOR STRUCTURAL INTERFACE.
- L. HSS 1" X 1" X 1/8" STIFFENER.



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



E DETAIL
SCALE: NO SCALE



F ISOMETRIC VIEW 2
NO SCALE

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

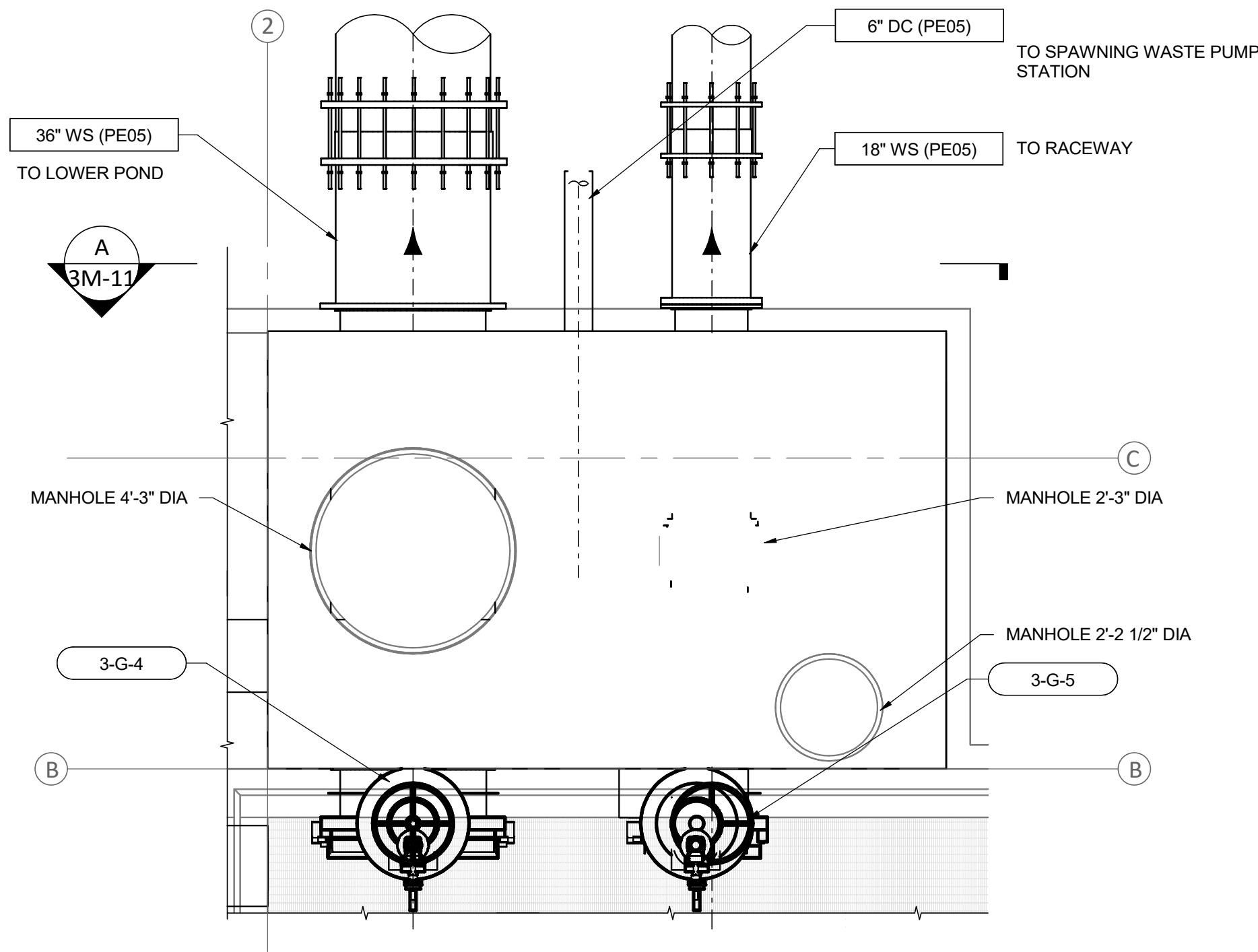
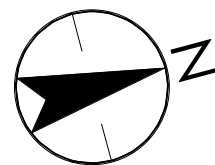
WARNING
0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



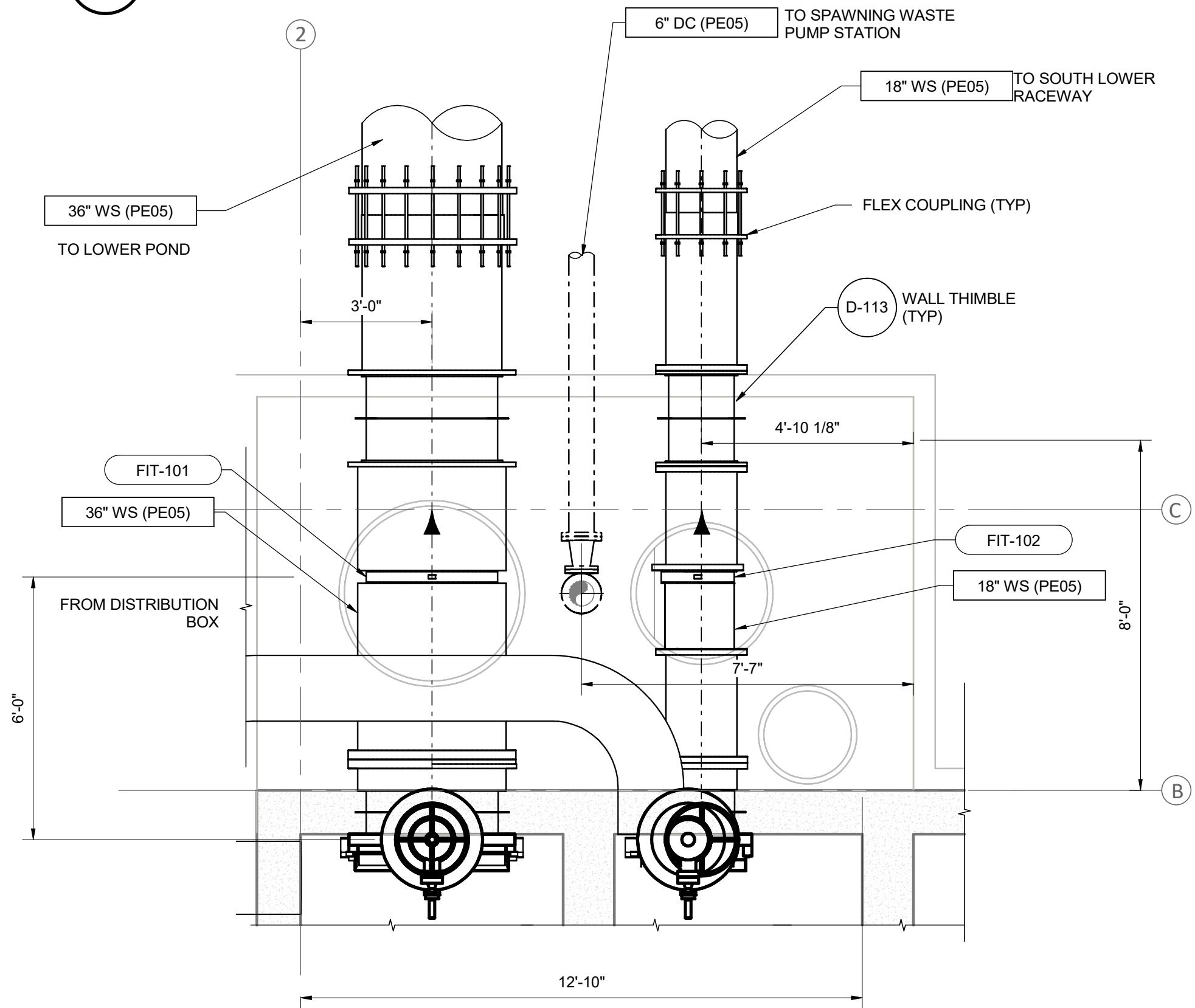
TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT
DISTRIBUTION BOX AERATION
SYSTEM DETAILS

DESIGNED B. WELTON
DRAWN M. TRACY
CHECKED J. DALLAS
ISSUED DATE 06/29/26

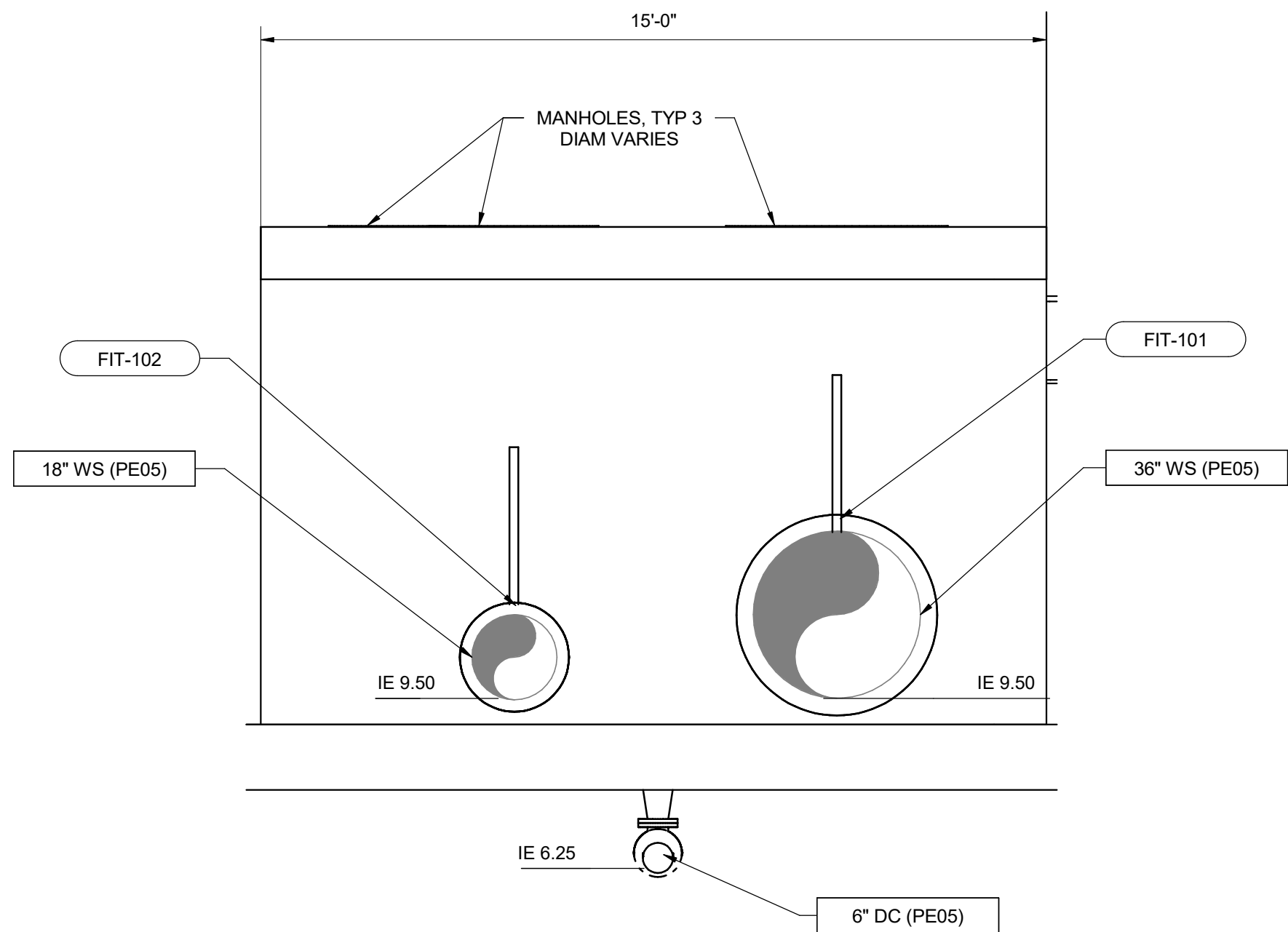
DRAWING
3M-10



1 DISTRIBUTION BOX AND METERING VAULTS UPPER PLAN
3M-1 SCALE: 3/8" = 1'-0"



2 DISTRIBUTION BOX AND METERING VAULTS LOWER PLAN
3M-1 SCALE: 3/8" = 1'-0"



A LOWER POND AND RACEWAYS SUPPLY METERING VAULT
3M-2 SCALE: 3/8" = 1'-0"

GENERAL SHEET NOTES

1. PROVIDE FLOW METERS WITH REMOTE TRANSMITTER MOUNTED TO DISTRIBUTION BOX WALL. COORDINATE LOCATION WITH OWNER.
2. MANHOLE AND VAULT LIDS SHALL BE INSTALLED FLUSH WITH SURROUNDING PAVEMENT. LID AND ACCESS HATCH SHALL BE HS-20 RATED FOR VEHICLE TRAFFIC.

SHEET KEYNOTES

- A** CHANNELIZE SLAB OF VAULT TOWARD FLOOR DRAIN WITH GROUT.

REV	DATE	BY	DESCRIPTION
A	06/29/26	RM	PRE-FINAL DESIGN

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING



IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.

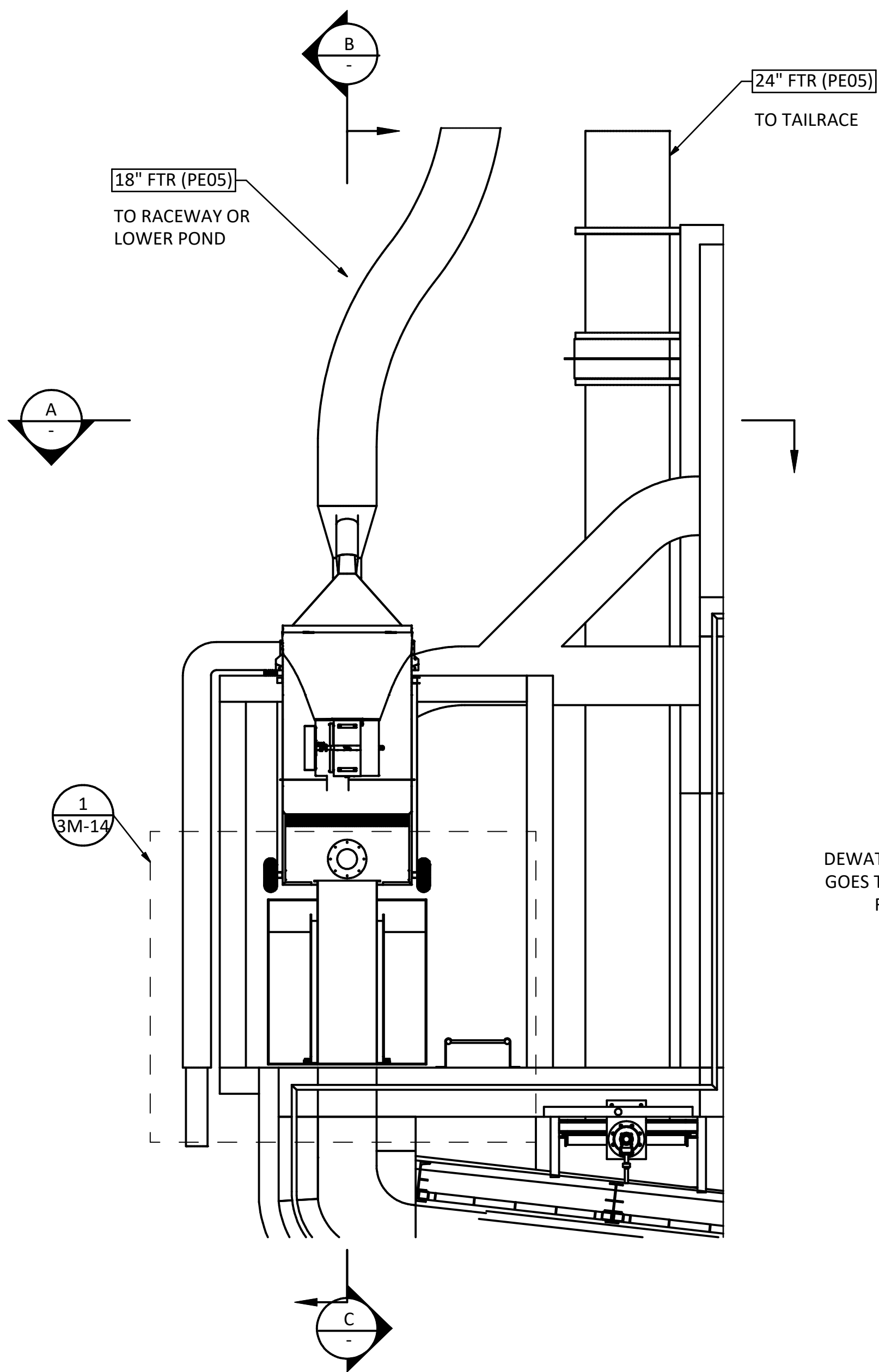


TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT
LOWER POND AND RACEWAYS
SUPPLY METERING VAULT
PLAN AND SECTIONS

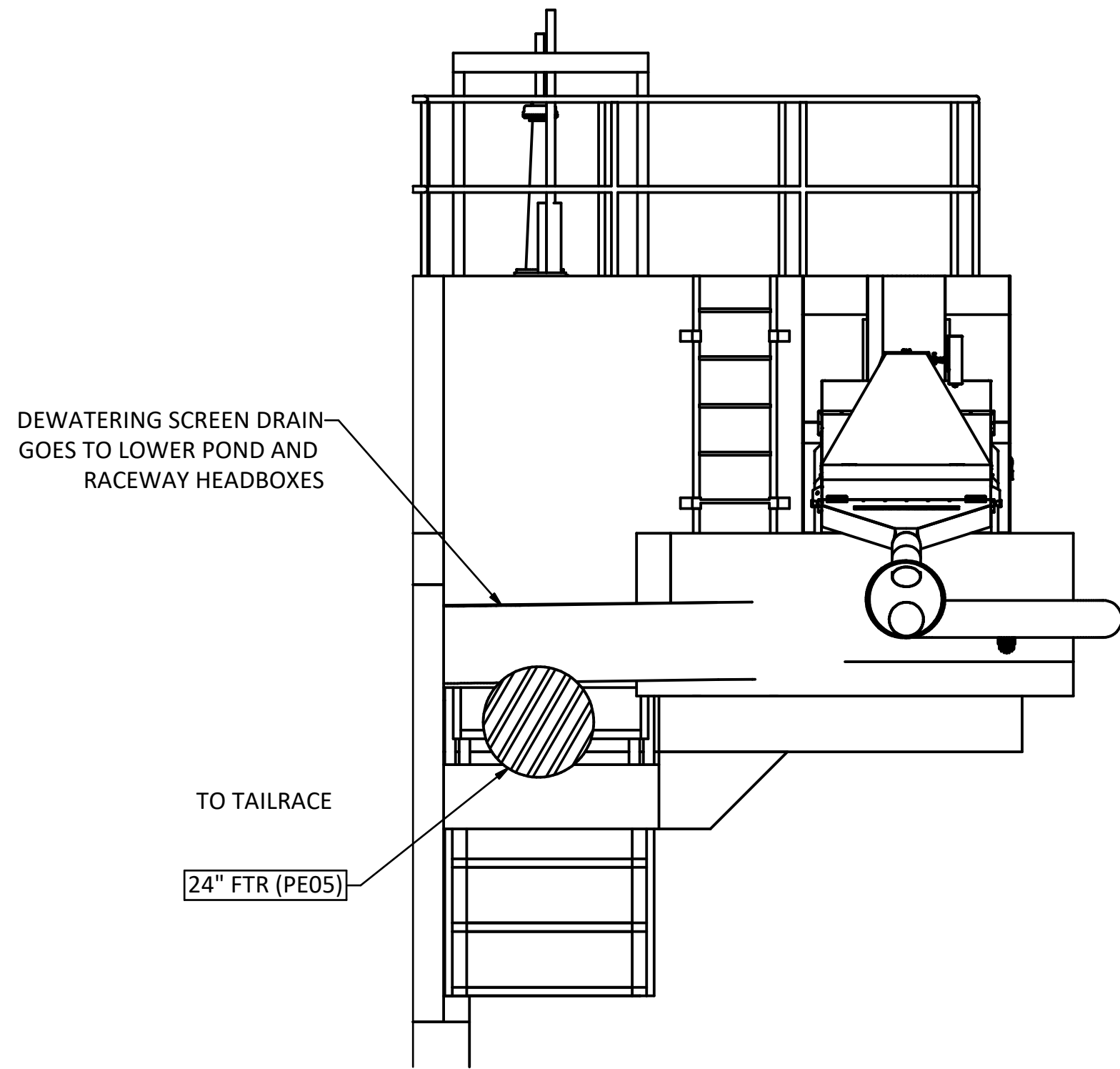
DESIGNED M. VASILEV
DRAWN M. TRACY
CHECKED J. DALLAS
ISSUED DATE 06/29/26

DRAWING

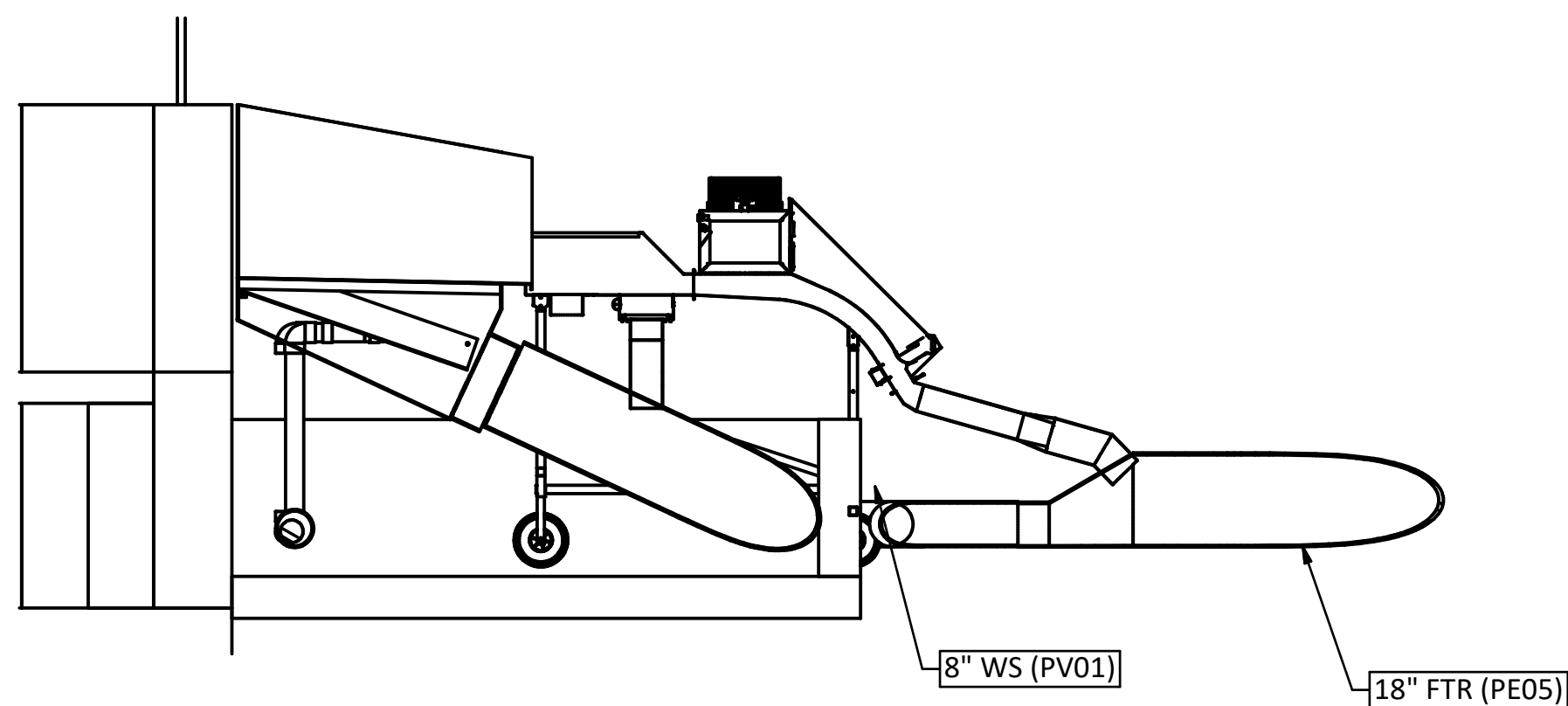
3M-11



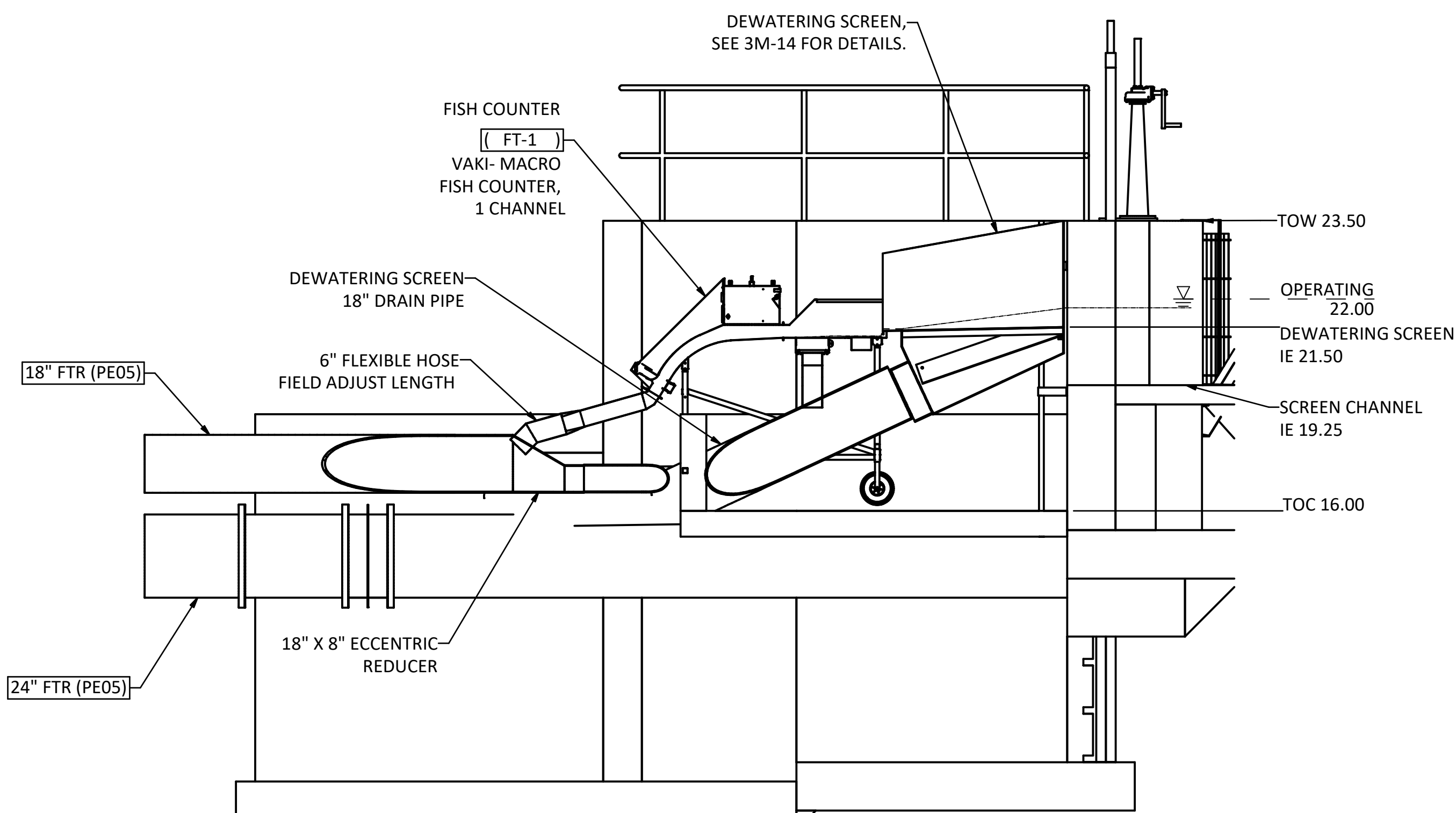
1
3M-1
DETAIL FISH COUNTING BASIN
SCALE: 3/8"=1'-0"



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



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



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

REV	DATE	BY	DESCRIPTION
A	06/29/26	RM	PRE-FINAL DESIGN

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING
0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE

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1471 Shoreline Dr. Ste 100, Boise, ID 83702 | (208) 342-4214 | mcmillen.com



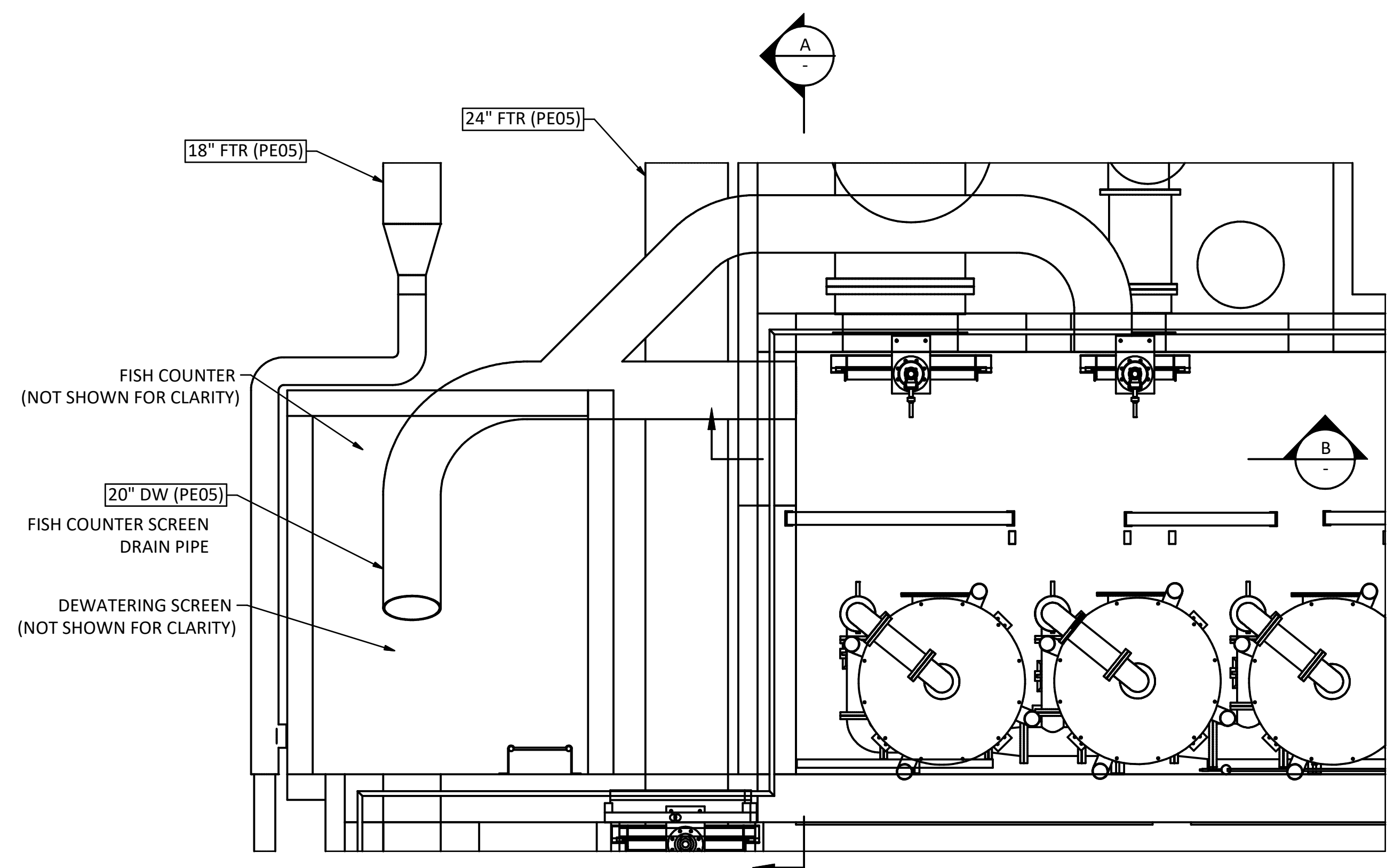
TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT
FISH COUNTER BASIN SECTIONS

DESIGNED B. WELTON
DRAWN M. TRACY
CHECKED J. DALLAS
PROJECT DATE 06/29/2026

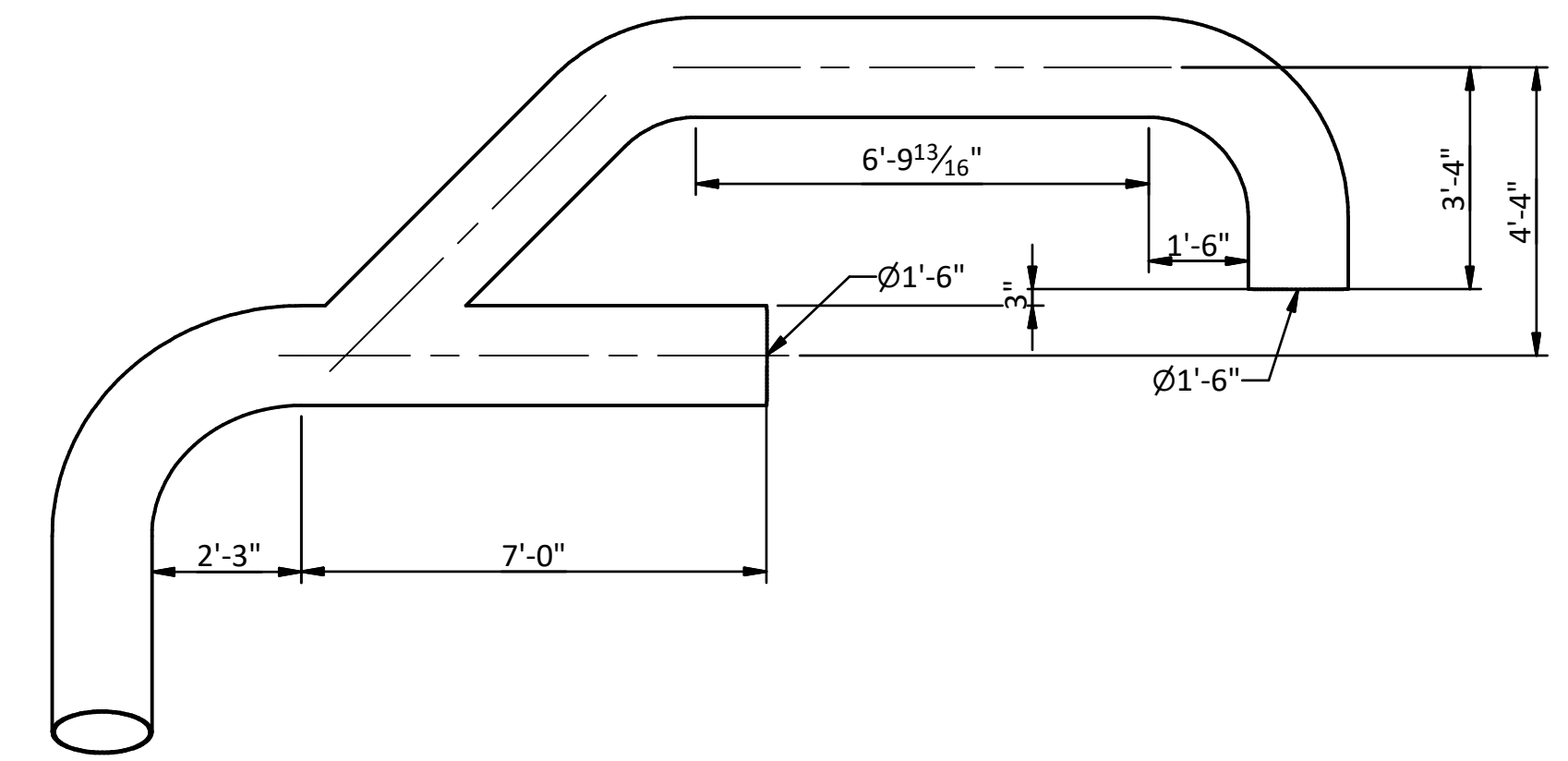
DRAWING
3M-12

Exhibit E.2 Page 119 of 161
Exhibit E.2 Page 119 of 161

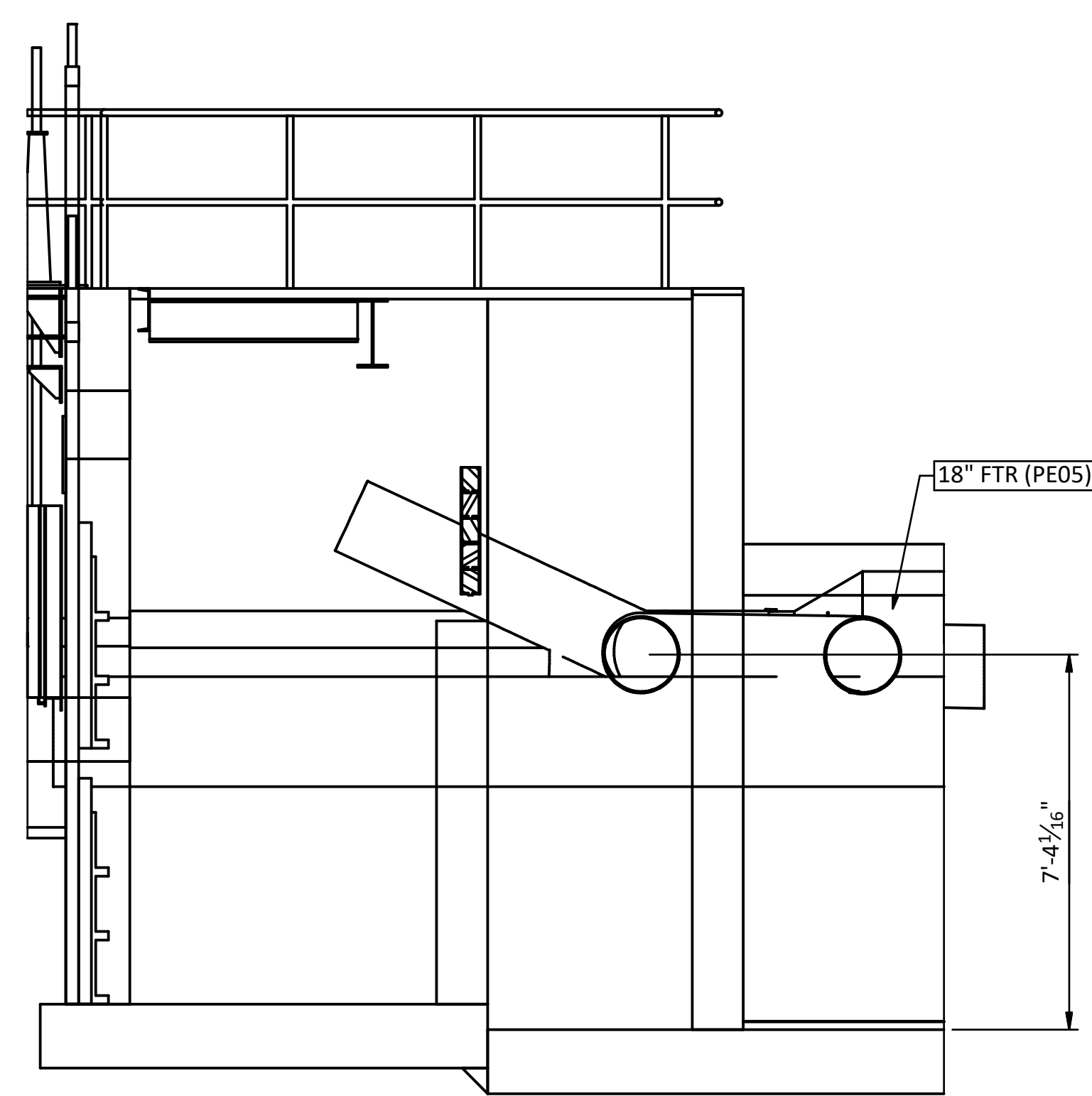
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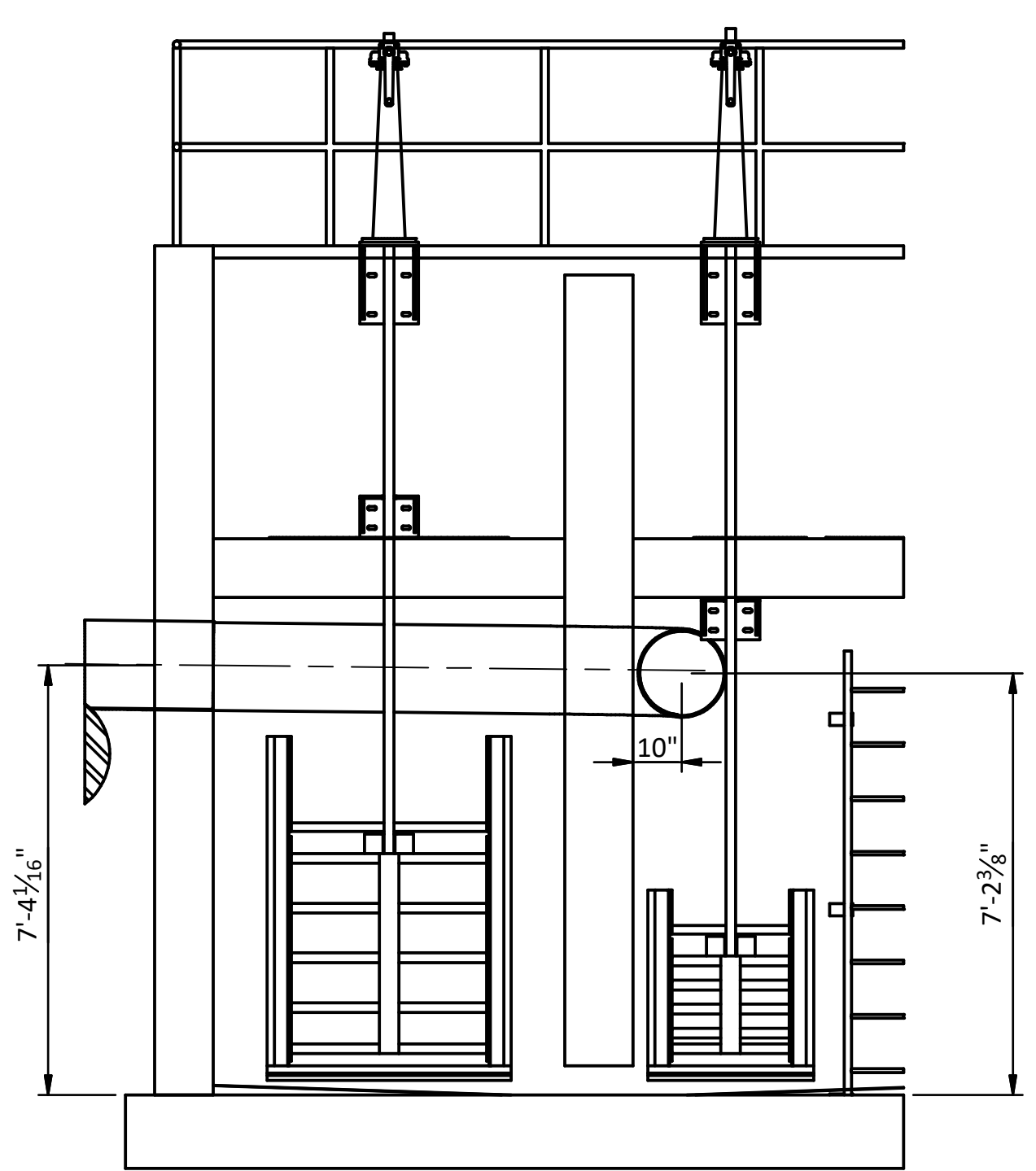
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SCALE: 3/4\"/>



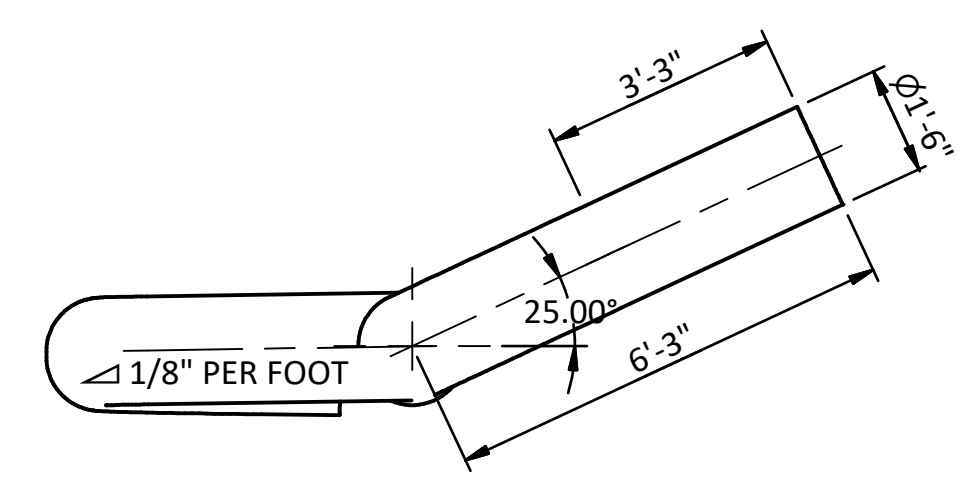
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SCALE: 3/8\"/>



SECTION A
SCALE: 3/8\"/>



SECTION B
SCALE: 3/8\"/>



A	06/29/26	RM	PRE-FINAL DESIGN	
REV	DATE	BY	DESCRIPTION	

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING

0 1/2 1

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

1471 Shoreline Dr. Ste 100, Boise, ID 83702 | (208) 342-4214 | mcmillen.com

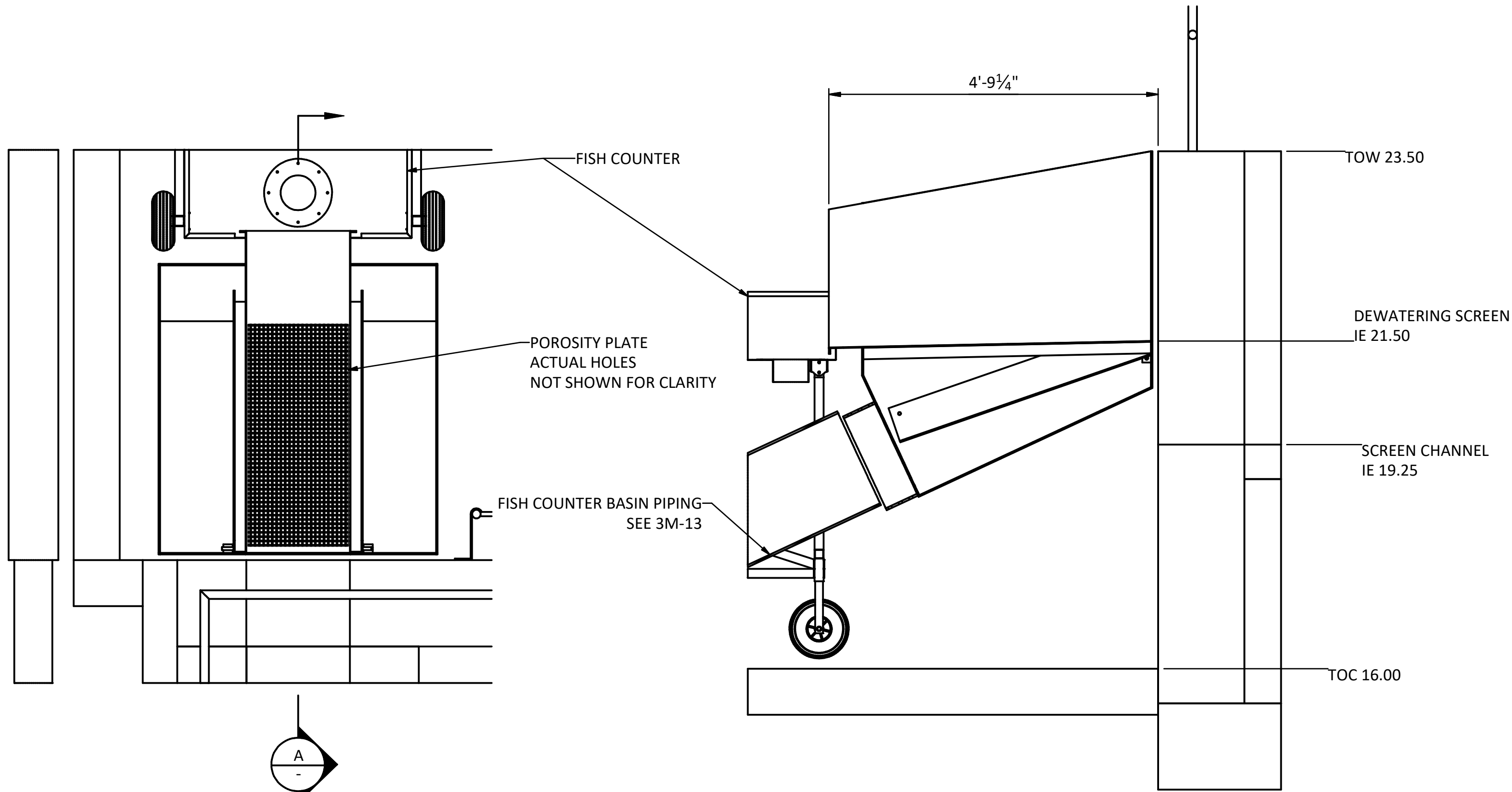
TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT

FISH COUNTER BASIN PIPING

DESIGNED B. WELTON
DRAWN M. TRACY
CHECKED J. DALLAS
PROJECT DATE 06/29/2026

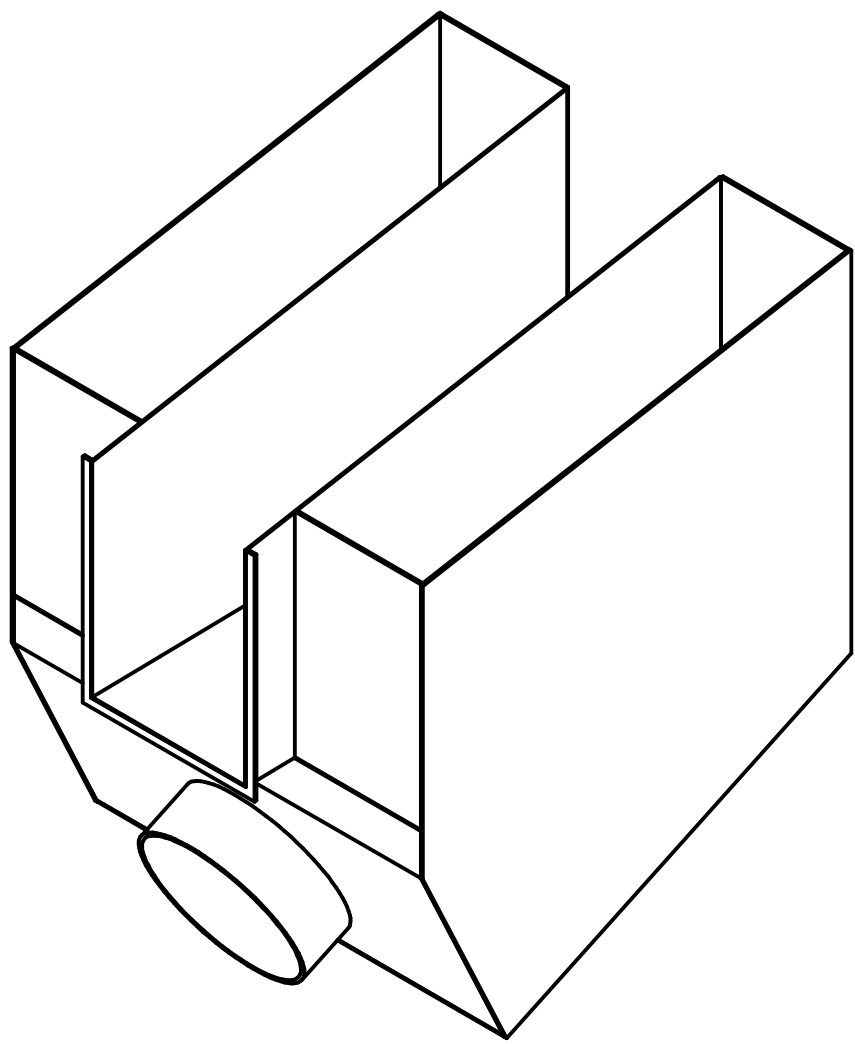
DRAWING
3M-13
Page 120 of 161
Exhibit E.2

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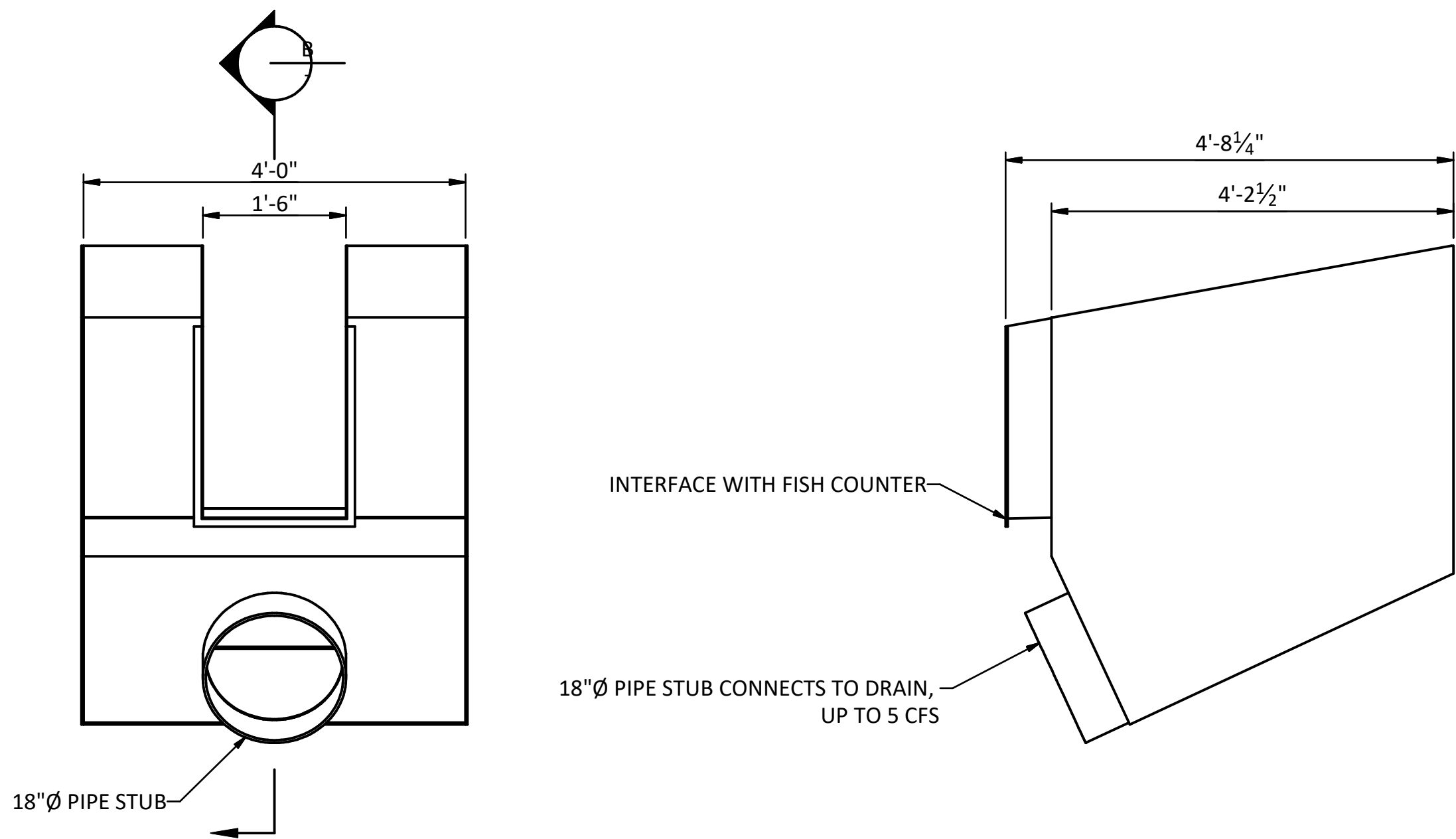


1
3M-12
DETAIL
SCALE: 3/4"=1'-0"

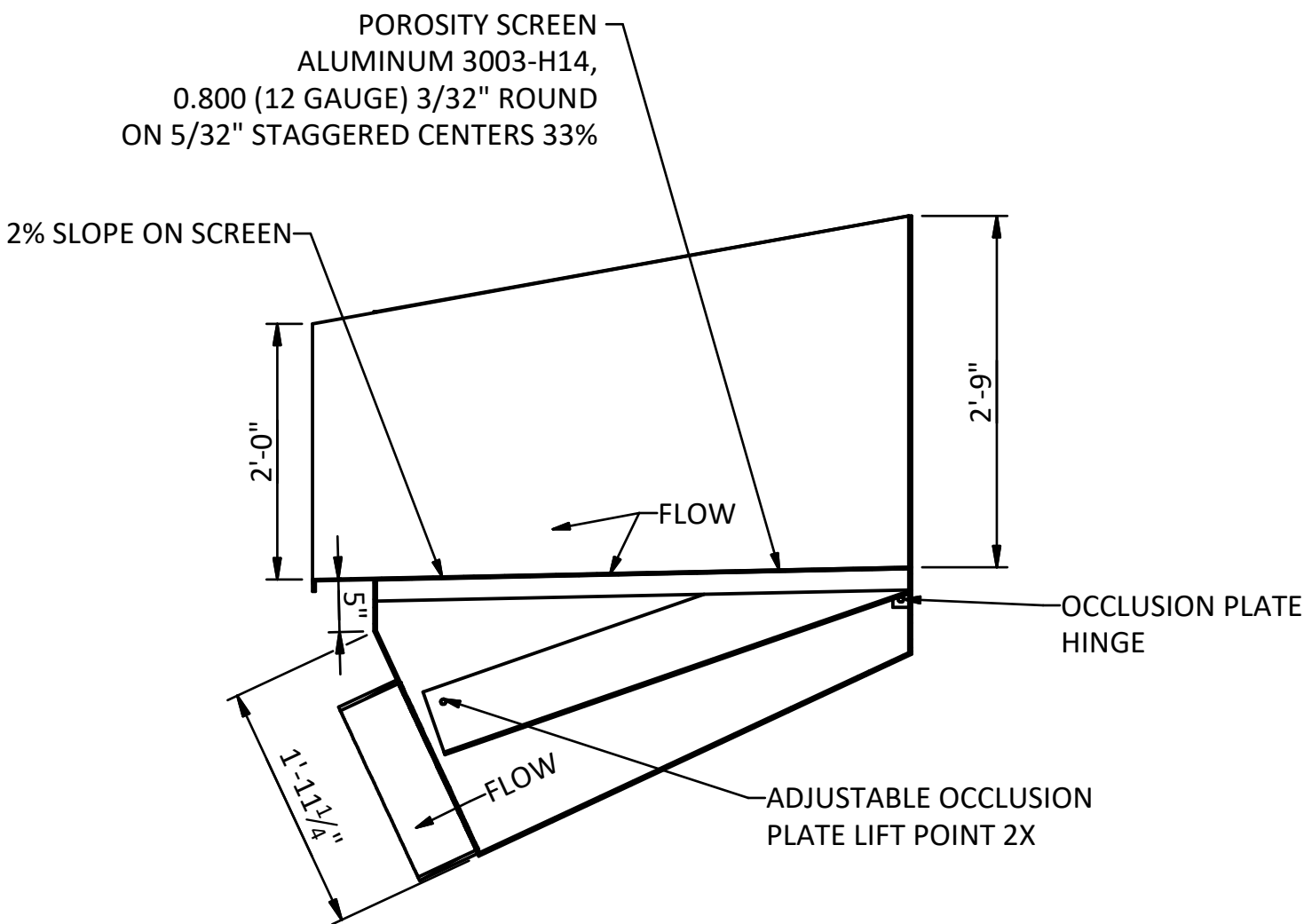
A
SECTION
SCALE: 3/4"=1'-0"



DEWATERING SCREEN ASSEMBLY ISO
SCALE: NTS



DEWATERING SCREEN ASSEMBLY
SCALE: 3/4"=1'-0"



B
SECTION
SCALE: 3/4"=1'-0"

A	06/29/26	RM	PRE-FINAL DESIGN	
REV	DATE	BY	DESCRIPTION	

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING
0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE



TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT

FISH COUNTER BASIN
DEWATERING SCREEN SYSTEM

DESIGNED B. WELTON
DRAWN M. TRACY
CHECKED J. DALLAS
PROJECT DATE 06/29/2026

DRAWING
3M-14

1. ADJUSTABLE BUMPER CRANE STOP RRT-40 LB BUMPER STOP. INSTALL 2 PER RAIL, ONE AT EACH END.
2. THE MONORAIL FOR THE FISH SCREEN HOIST SHALL BE A STRUCTURAL S-SHAPE SUPPLIED BY THE HOIST SUPPLIER TO ACCOMMODATE THE HEAVY DUTY HOIST TROLLEY AND THE MONORAIL SUPPORT COLUMN LAYOUT. THE MONORAIL SIZING AND CONNECTION DETAILS TO THE SUPPORTS SHALL BE DESIGNED BY THE HOIST SUPPLIER OR A DESIGNER HIRED BY THE HOIST SUPPLIER. CALCULATIONS FOR THE MONORAIL SIZING AND CONNECTIONS TO THE STRUCTURAL SUPPORT COLUMNS SHALL BE PREPARED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF WASHINGTON AND SHALL BE SUBMITTED FOR REVIEW AND APPROVAL. SEE SPECIFICATION 43 52 04.



PRELIMINARY
NOT FOR CONSTRUCTION

IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.

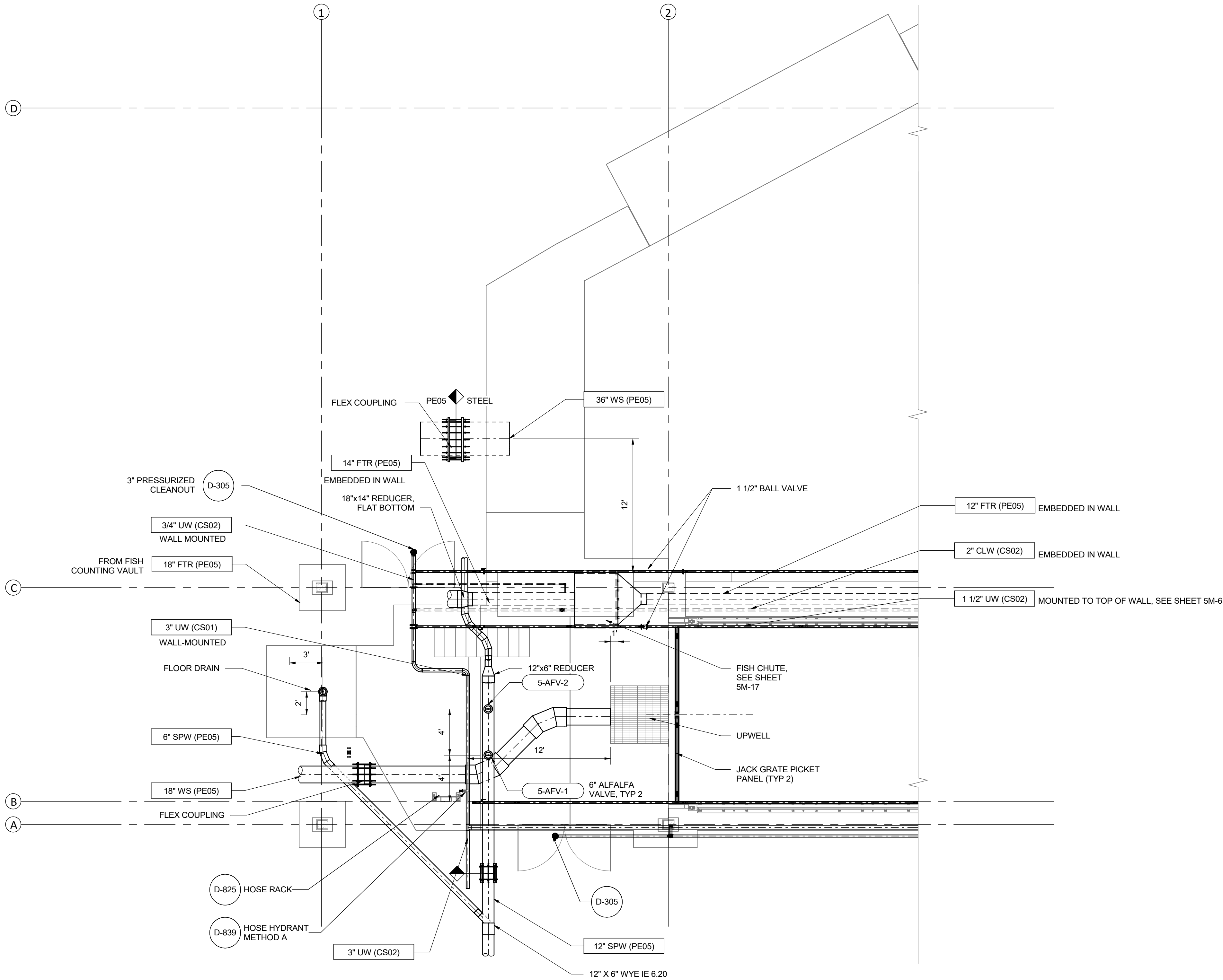


LOWER RACEWAYS AND
POND MECHANICAL PLAN

DRAWING

5M-1

ISSUED DATE: 06/29/2026



1
5M-1
SUPPLY END ENLARGED PLAN
SCALE: 3/16" = 1'-0"

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING

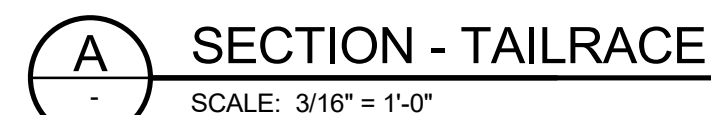
0 1/2 1

IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



TULALIP TRIBES		DESIGNED <u>M. VASILEV</u> DRAWN <u>E. BOWEN</u> CHECKED <u>J. DALLAS</u> ISSUED DATE <u>06/29/2026</u>	DRAWING 5M-2
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT			
LOWER RACEWAYS AND POND SUPPLY END ENLARGED PLAN			

1. FISH RELEASE PIPE CONSISTS OF A 36" CMP CASING PIPE WITH A 24" SLIPLINED HDPE PIPE INSIDE. CUT BACK CMP CASING TO INSTALL STL WALL THIMBLE, CUSTOM 15 DEG STL MITER ELBOW, RFCA, AND HDPE/STL TRANSITION. FLOWABLE GROUT TO FILL IN ANNULAR SPACE BETWEEN 36" CASING PIPE AND 24" HDPE PIPE.



A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

WARNING



IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



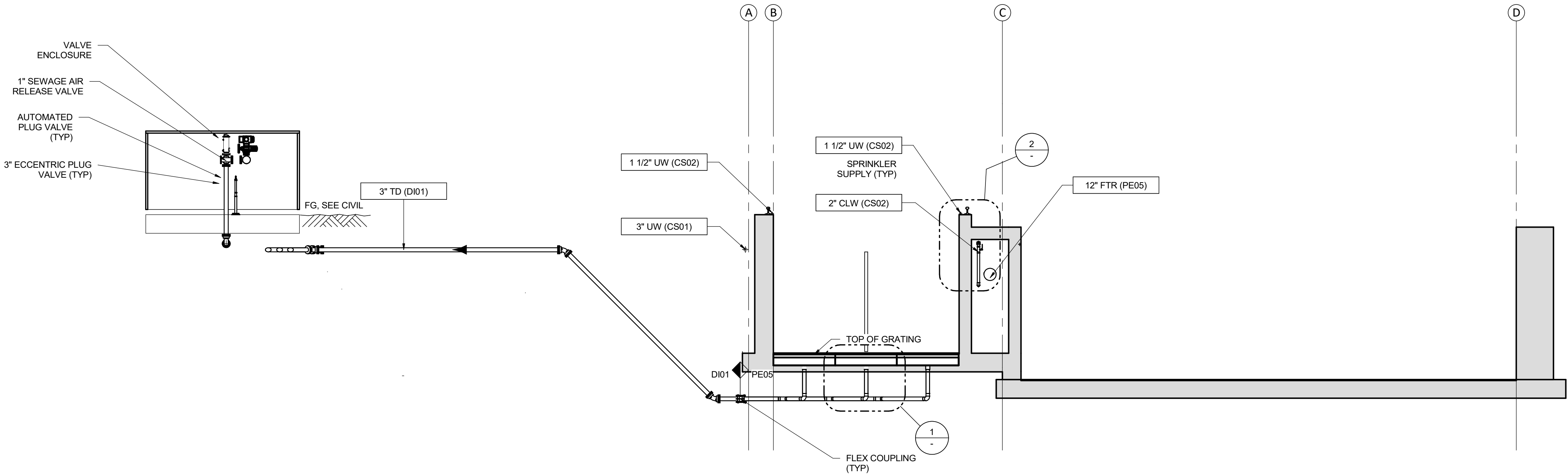
DESIGNED _____ M. VASILEV
DRAWN _____ E. BOWEN
CHECKED _____ J. DALLAS
ISSUED DATE _____

DRAWING

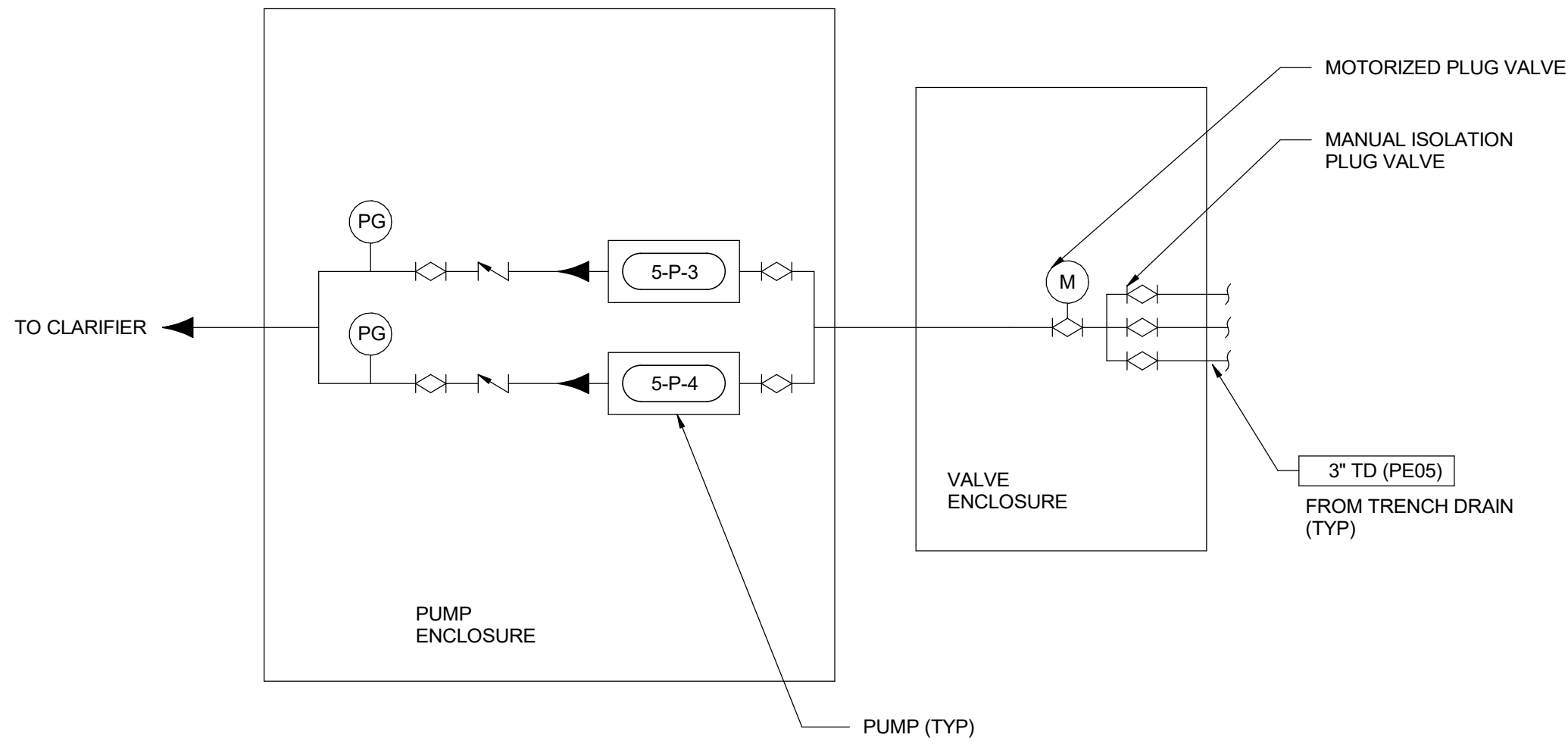
5M-3

GENERAL SHEET NOTES

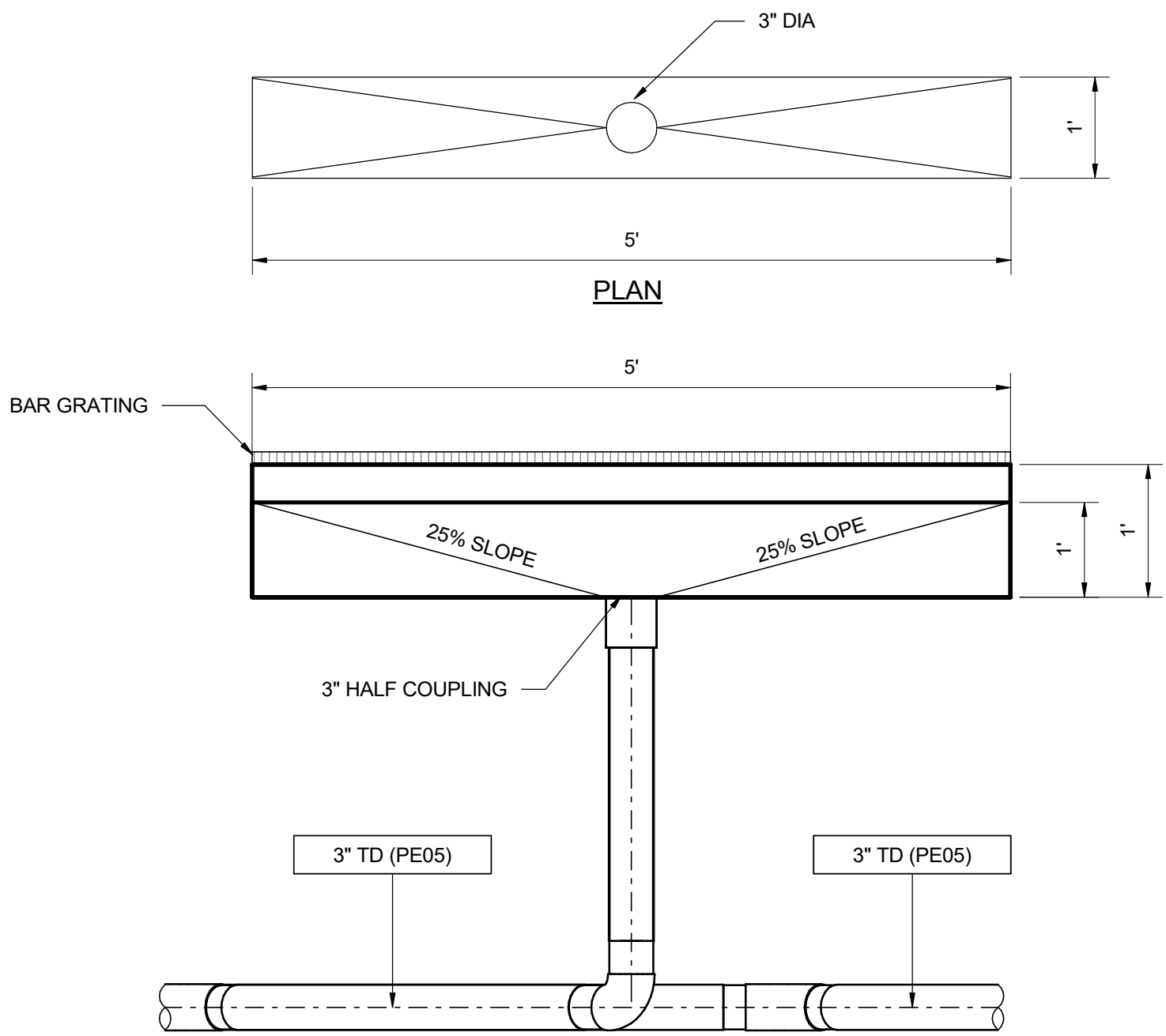
1. TRENCH DRAIN SHALL BE FABRICATED FROM 1/8" GALVANIZED PLATE AND EMBEDDED IN CONCRETE FLOOR SLAB FLUSH WITH THE FLOOR.
2. GRATING SHALL BE MCNICHOLS 640131413L GALVANIZED BAR GRATING 1" X 3/16" OR APPROVED EQUAL. GRATING SHALL HAVE 1/4" MAXIMUM CLEAR OPENING BETWEEN THE BARS.



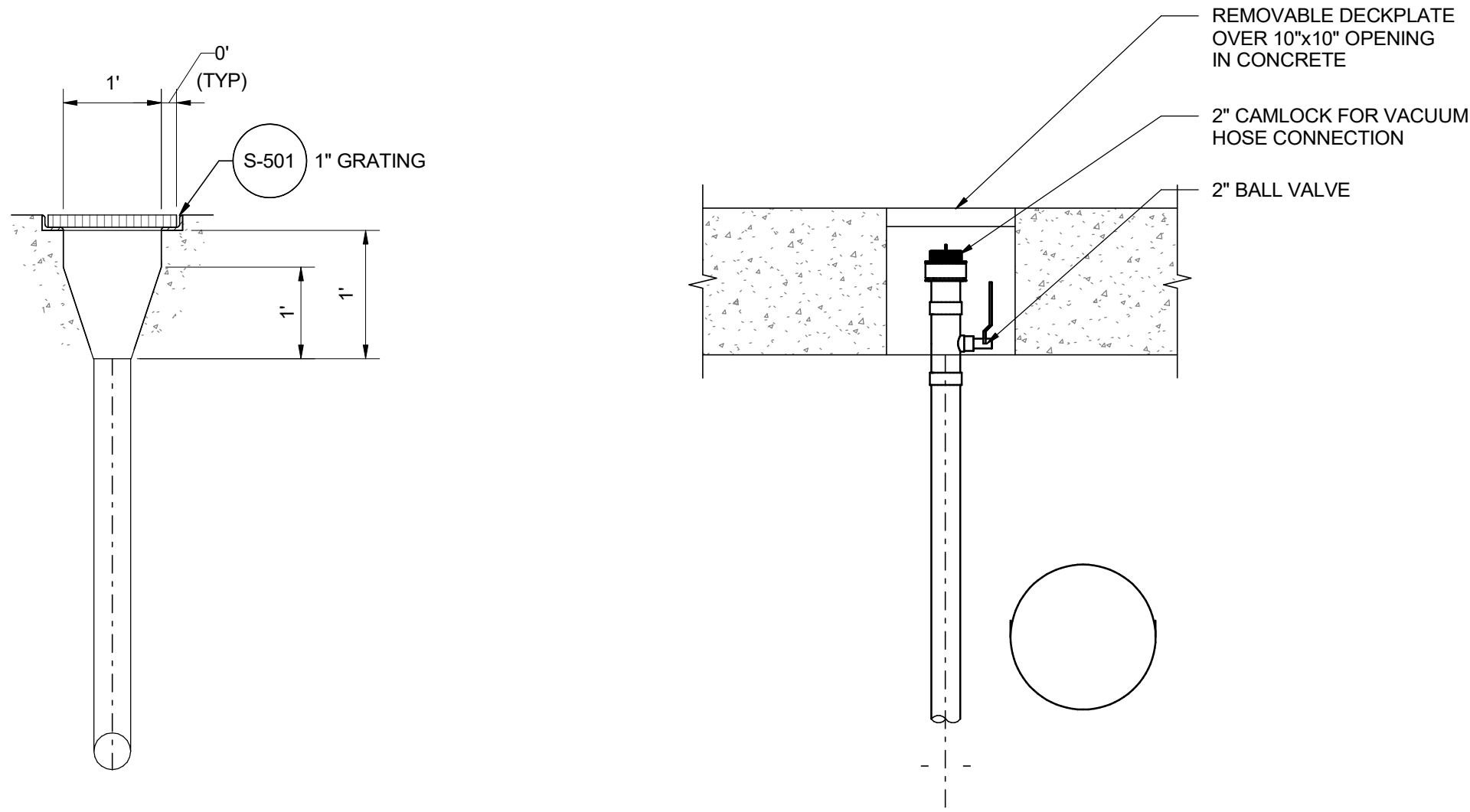
3 SECTION - LOWER POND / RACEWAY DRAIN
5M-3 SCALE: 3/16" = 1'-0"



TRENCH DRAIN PROCESS LINE DIAGRAM
SCALE: NTS



1 TRENCH DRAIN DETAILS
SCALE: 1" = 1'-0"



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

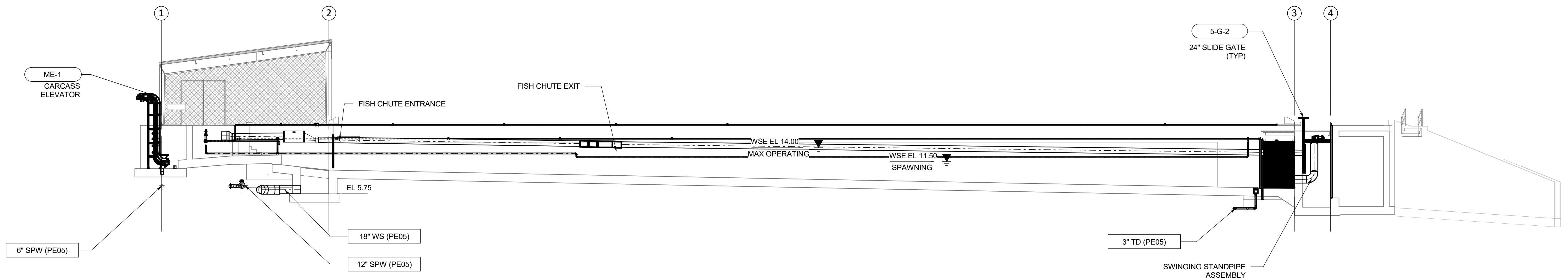
A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

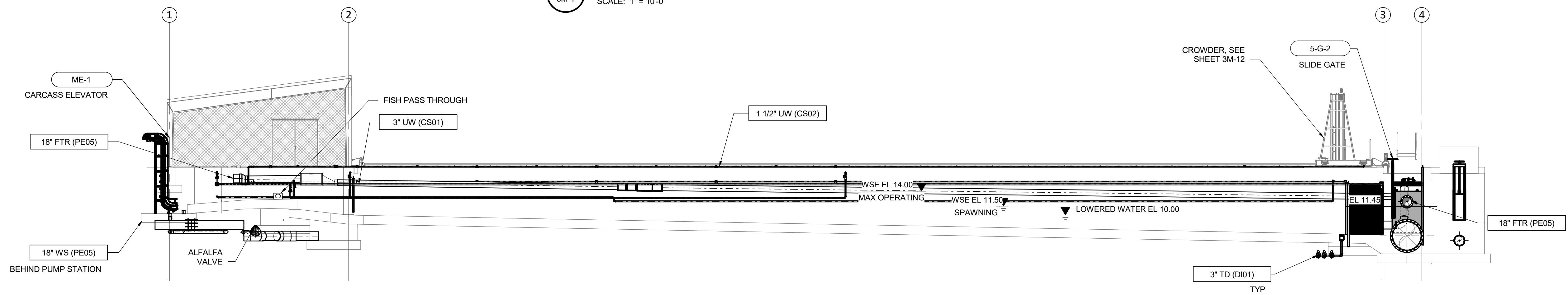
WARNING
0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



TULALIP TRIBES		DRAWING 5M-4
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT		
LOWER RACEWAYS AND POND TRENCH DRAIN SECTIONS AND DETAILS		
DESIGNED	M. VASILEV	Exhibit E.2 Page 125 of 161 Exhibit E.2 Page 125 of 161
DRAWN	E. BOWEN	
CHECKED	J. DALLAS	
ISSUED DATE	06/29/2026	



B
5M-1
LOWER POND RACEWAY SECTION
SCALE: 1" = 10'-0"



C
5M-1
SOUTH LOWER RACEWAY SECTION
SCALE: 1" = 10'-0"

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING

0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



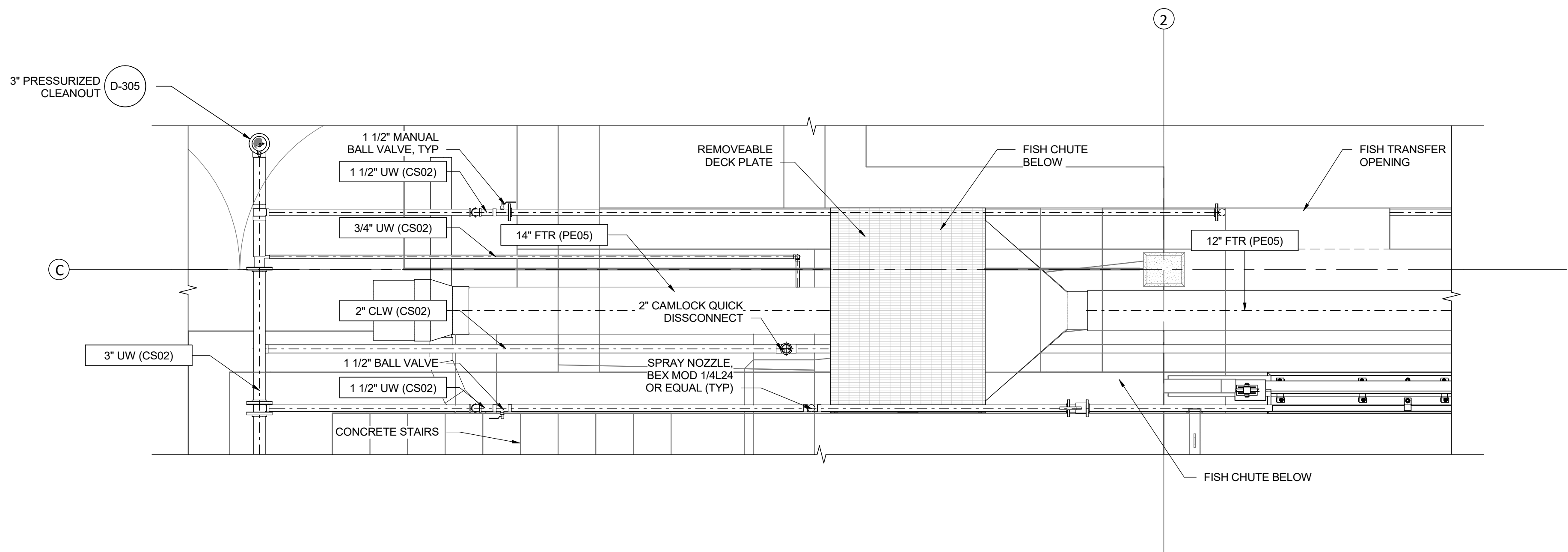
TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT

LOWER RACEWAYS AND
POND SECTIONS

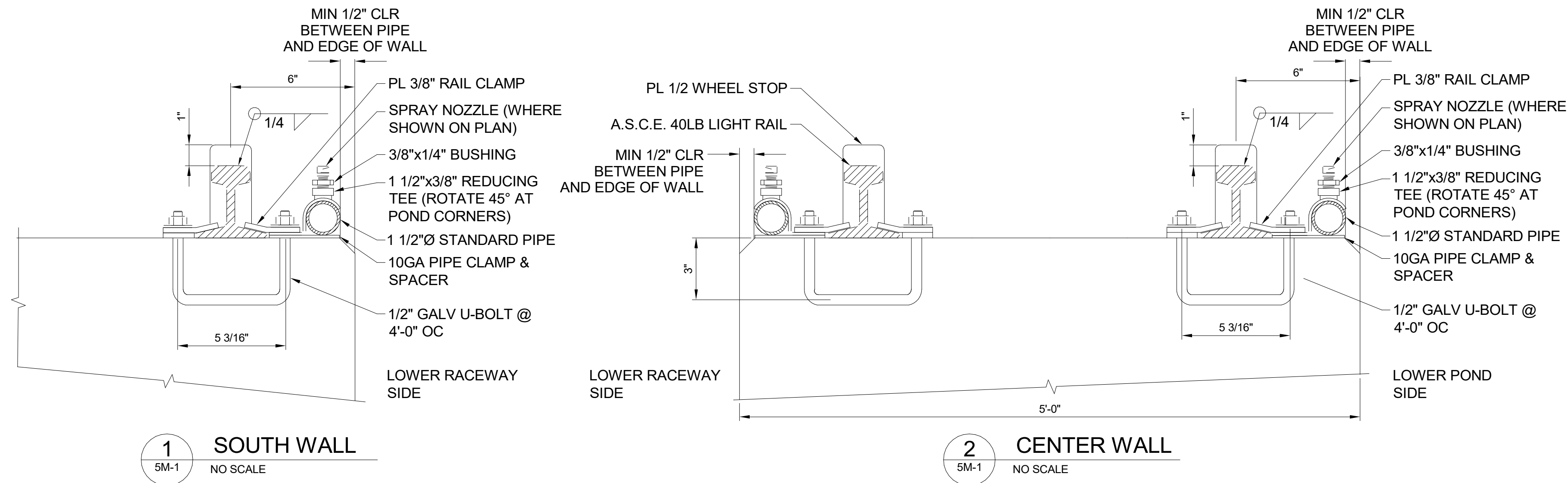
DESIGNED M. VASILEV
DRAWN E. BOWEN
CHECKED J. DALLAS
ISSUED DATE 06/29/26

DRAWING

5M-5



4 RAIL AND SPRINKLER PLAN DETAIL
5M-1 SCALE: 1/2" = 1'-0"



A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

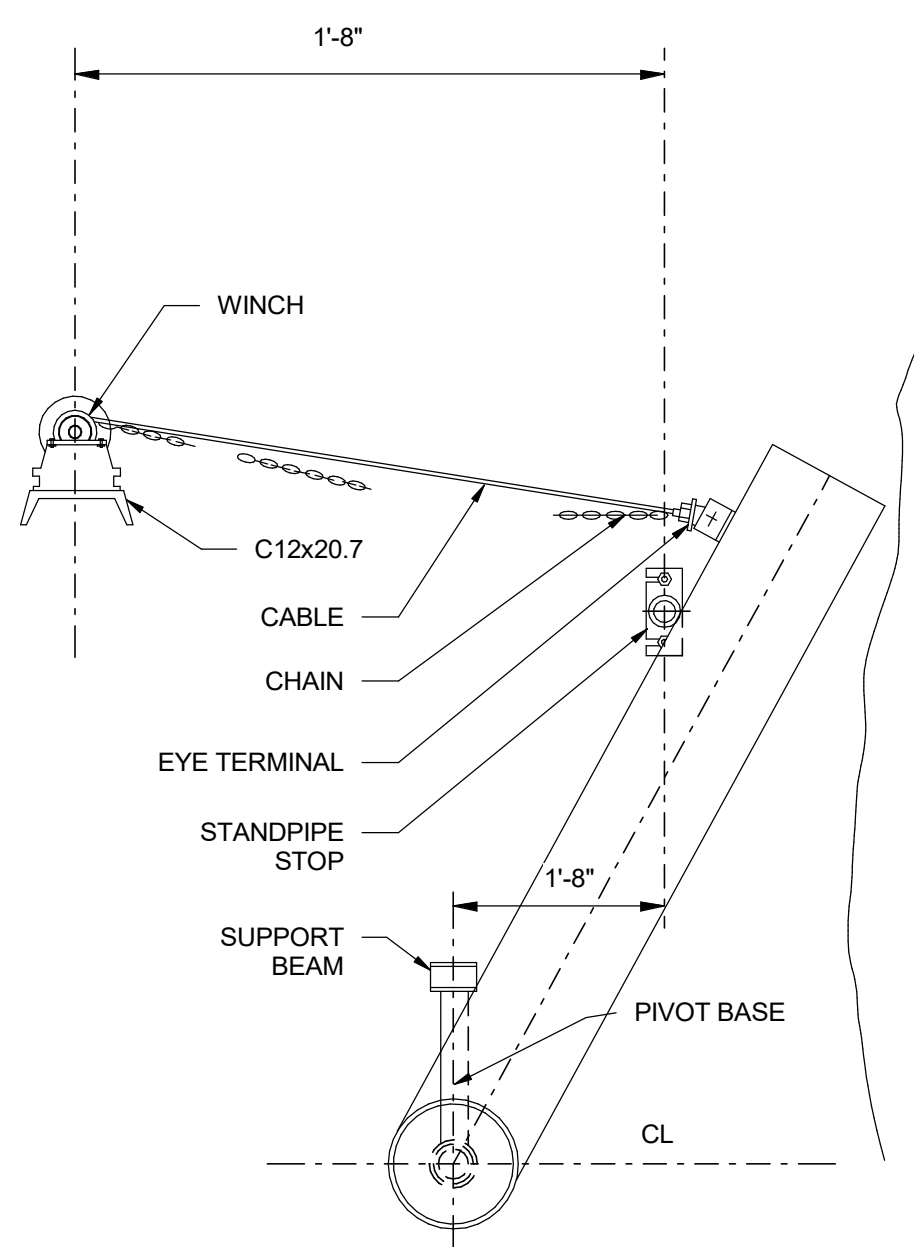
WARNING

0 1/2 1

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

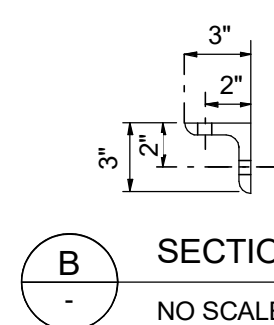


TULALIP TRIBES	DESIGNED	LR	DRAWING 5M-6
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	DRAWN	STN	
LOWER RACEWAYS AND POND CROWDER RAILS DETAILS AND SECTIONS	CHECKED	DW	
	ISSUED DATE		
	EXHIBIT E 2 P 161		

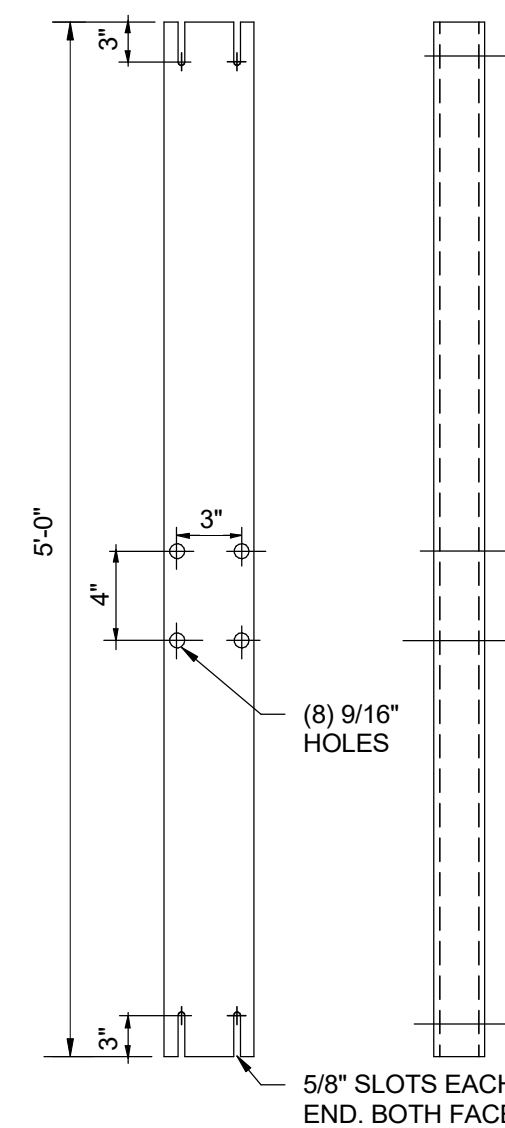
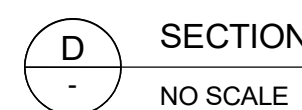
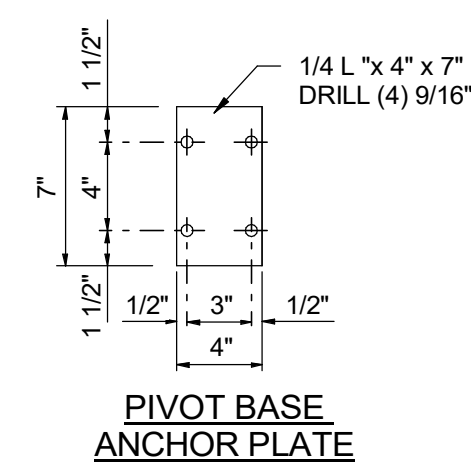
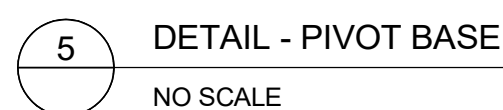


Technical drawing of a 3x3x1/4 inch plate. The drawing shows a top view with dimensions: overall width 9 3/4", overall height 1 3/4", and three vertical sections of 3 1/8", 3 1/2", and 3 1/8". The bottom view shows a central rectangular area of 7 3/4" by 1", with 1" margins on the left and right. A center mark is indicated by a circle with a crosshair. A note points to the bottom view: "L 3x3x1/4x9 3/4\"/>

1 DETAIL - WIDE FLANGE ANGLE
- NO SCALE



 SECTION
NO SCALE



NO SCALE

PRELIMINARY
NOT FOR CONSTRUCTION

A horizontal number line with endpoints labeled 0 and 1. A tick mark is placed at the midpoint, labeled $\frac{1}{2}$. The segment of the line between 0 and $\frac{1}{2}$ is shaded black.



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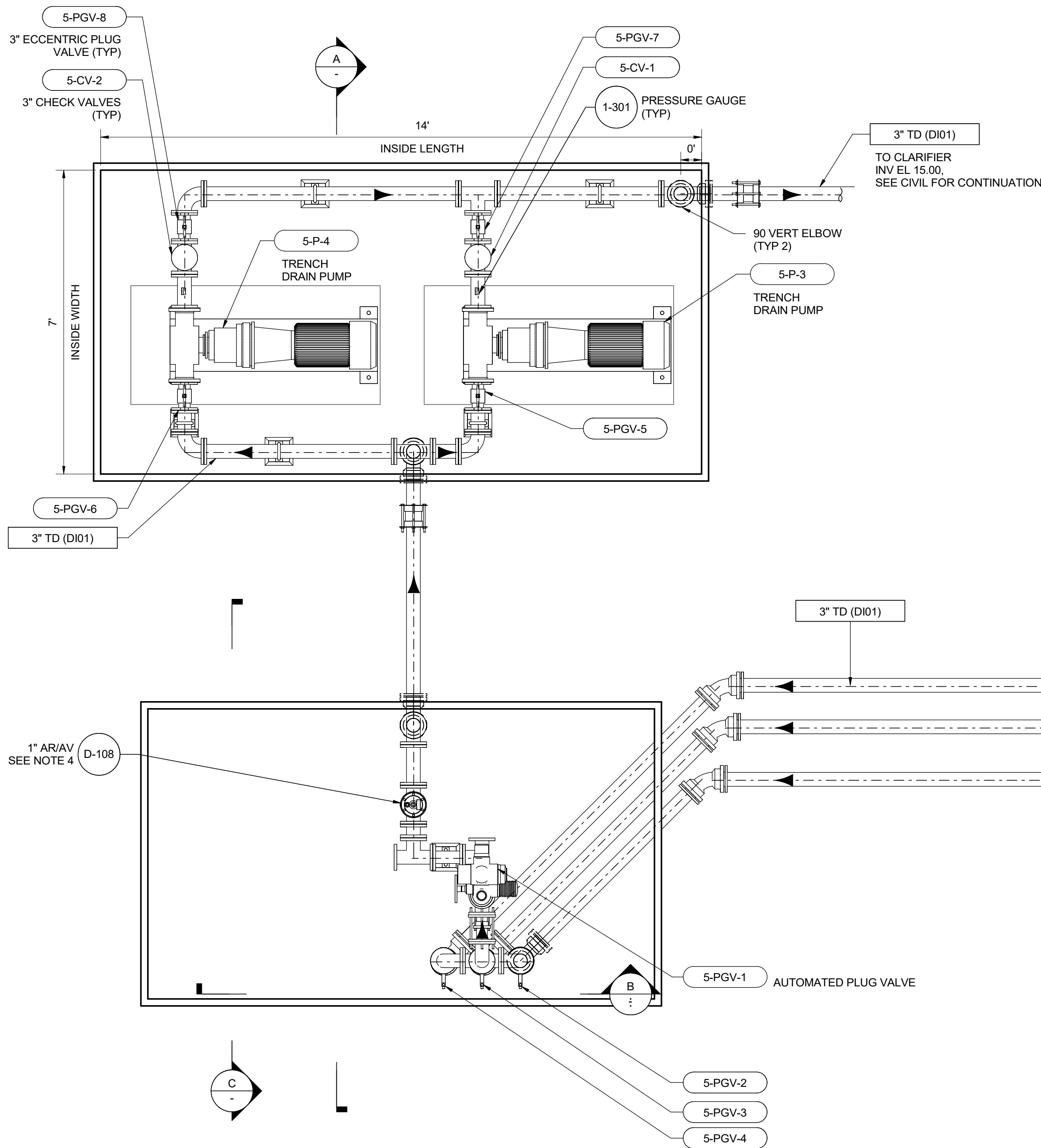


ISSUED DATE: 06/25/2025 Page 128 of 161

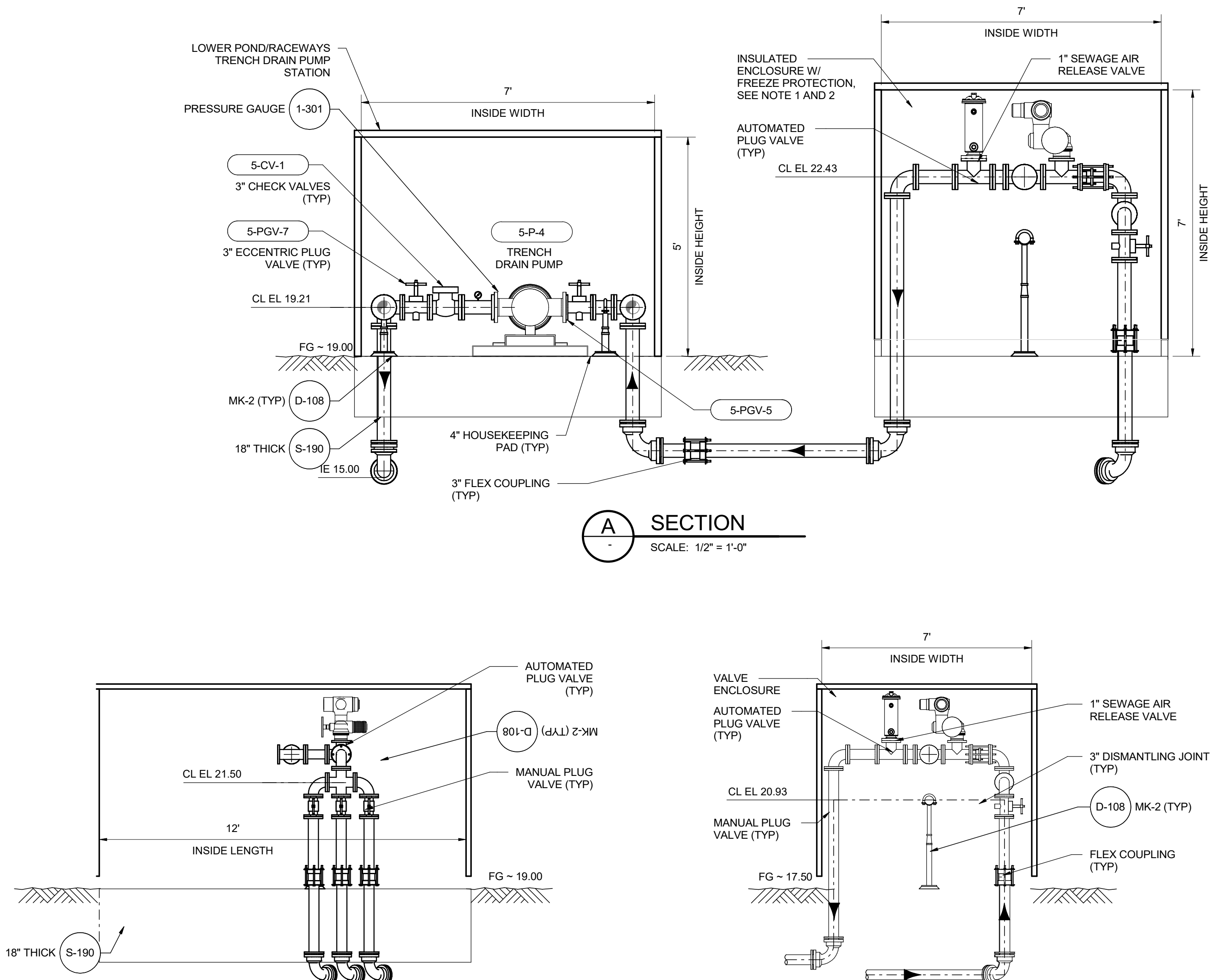
5M-7

GENERAL SHEET NOTES

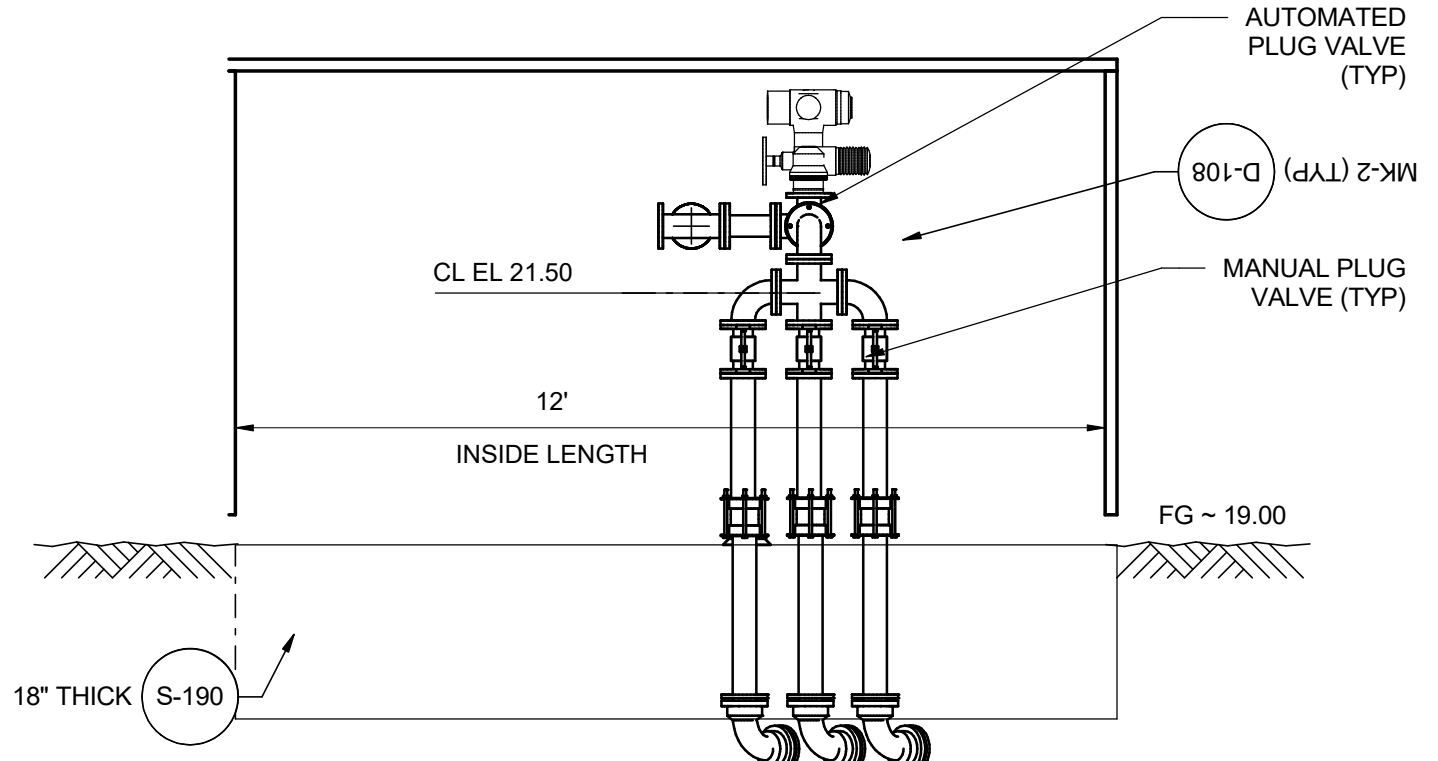
1. INSULATED VALVE ENCLOSURE SHALL BE HOT BOX MODEL HA083145074 HB8E-DS OR EQUAL. PROVIDE SUBMITTALS FOR ENCLOSURE, INCLUDING SHOP DRAWINGS AND TECHNICAL MANUALS, IN ACCORDANCE WITH SECTION 013300. CONTRACTOR TO VERIFY EQUIPMENT LAYOUT INSIDE ENCLOSURE PRIOR TO ORDERING. PROVIDE LARGER ENCLOSURE, IF NECESSARY, TO ACCOMMODATE EQUIPMENT SELECTIONS.
2. INSULATED PUMP ENCLOSURE SHALL BE HOT BOX MODEL HA087172065 HB10N-DS OR EQUAL. PROVIDE SUBMITTALS FOR ENCLOSURE, INCLUDING SHOP DRAWINGS AND TECHNICAL MANUALS, IN ACCORDANCE WITH SECTION 013300. CONTRACTOR TO VERIFY EQUIPMENT LAYOUT INSIDE ENCLOSURE PRIOR TO ORDERING. PROVIDE LARGER ENCLOSURE, IF NECESSARY, TO ACCOMMODATE EQUIPMENT SELECTIONS.
3. PUMP TO BE ROTARY LOBE PUMP OR SCREW CENTRIFUGAL PUMP IN ACCORDANCE WITH SECTION 43 23 58 LOBE PUMPS.
4. ROUTE AIR VALVE DRAINAGE DISCHARGE TO OUTSIDE OF HOT BOX.



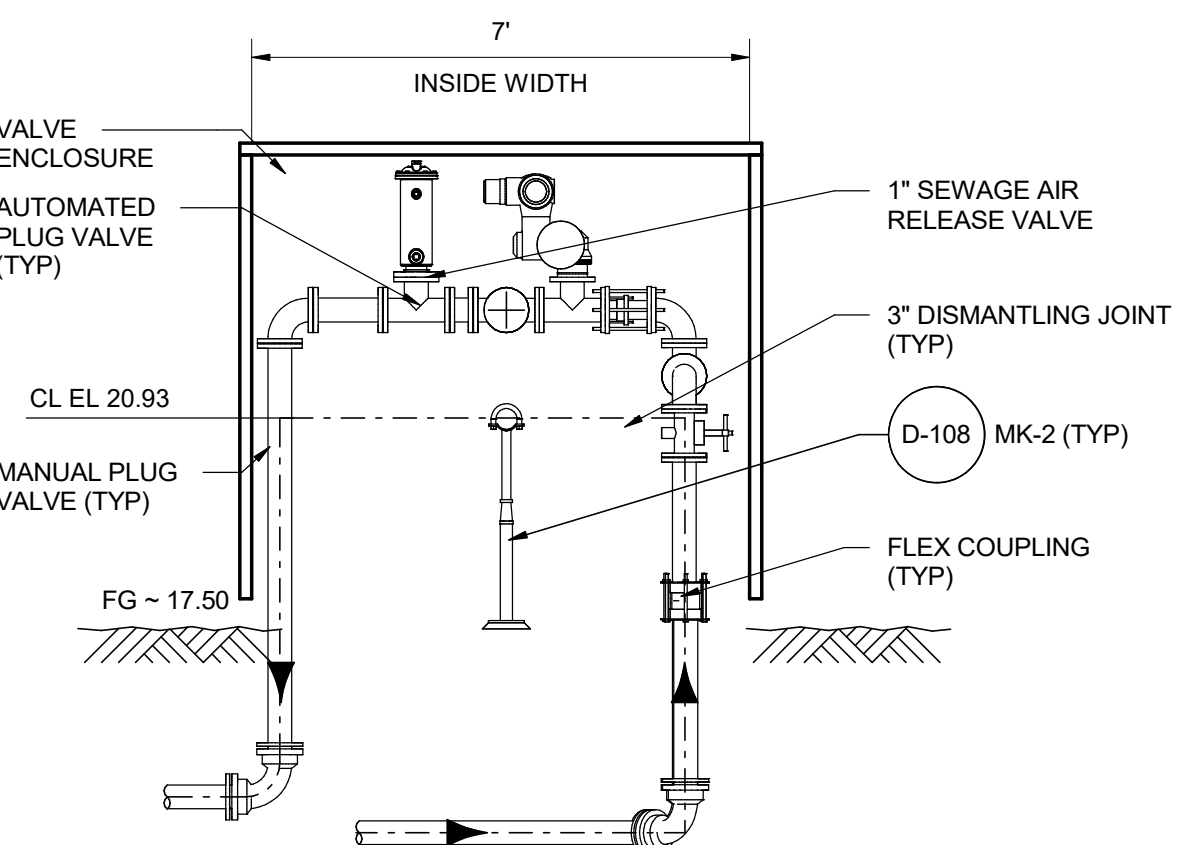
1 PLAN
5M-3 SCALE: 1/2" = 1'-0"



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



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



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

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

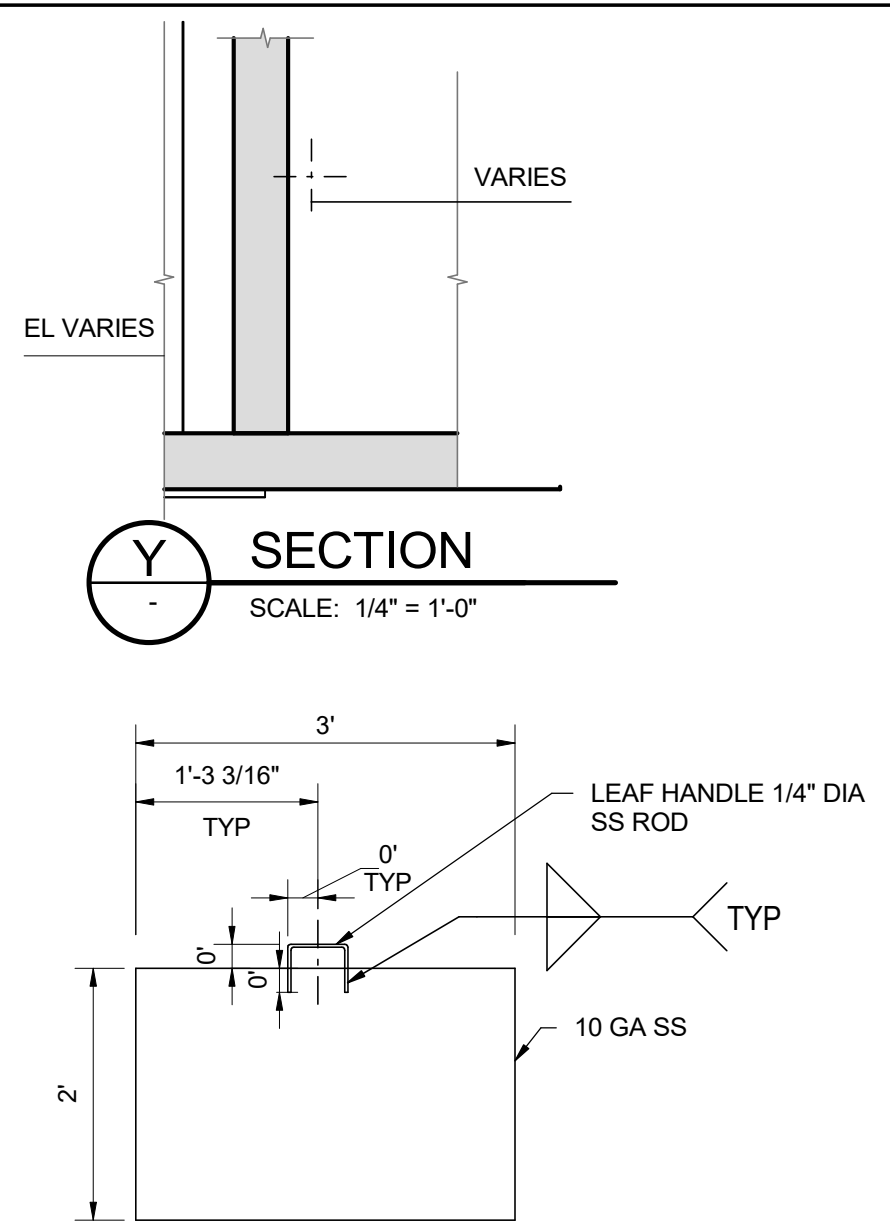
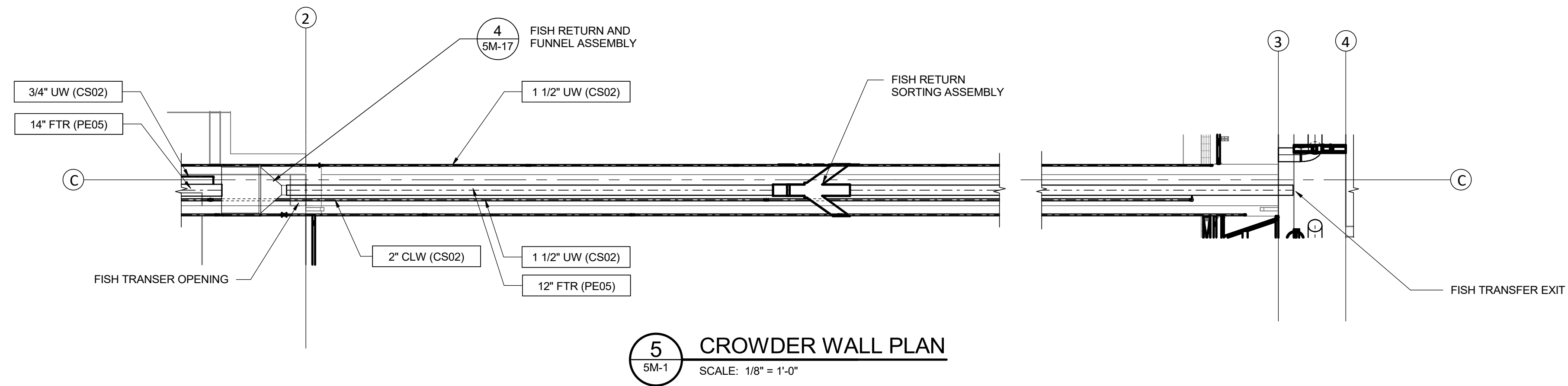
WARNING
0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



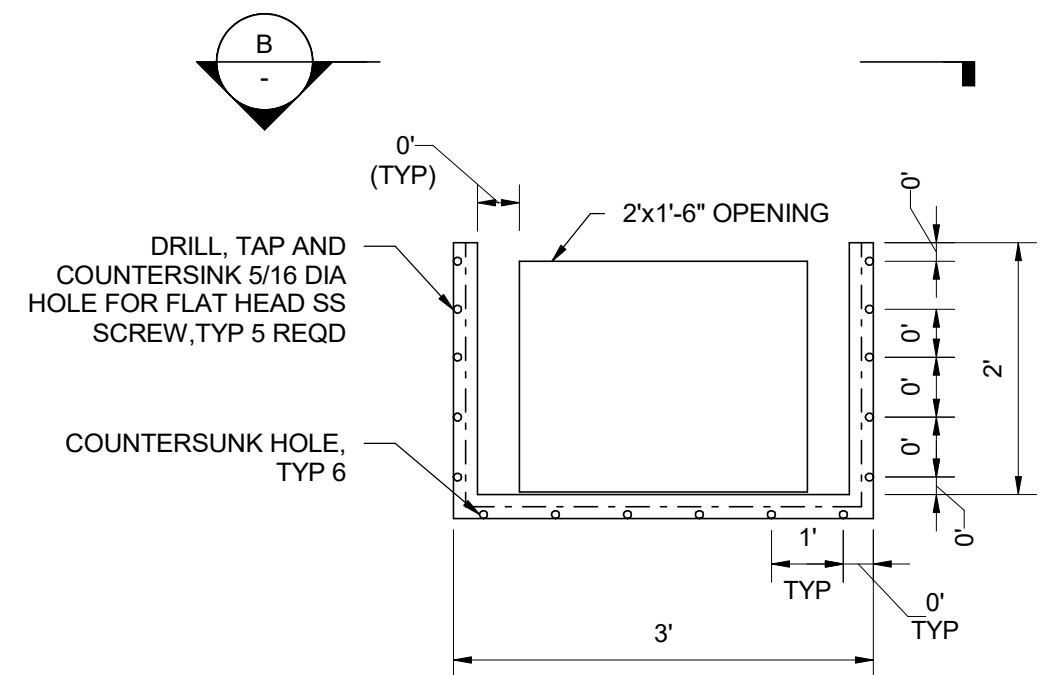
TULALIP TRIBES		DESIGNED M. VASILEV DRAWN E. BOWEN CHECKED J. DALLAS ISSUED DATE 06/29/2026	DRAWING 5M-8
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT			
LOWER RACEWAYS AND POND DRAIN END DETAILS			

Exhibit E.2 Page 129 of 161

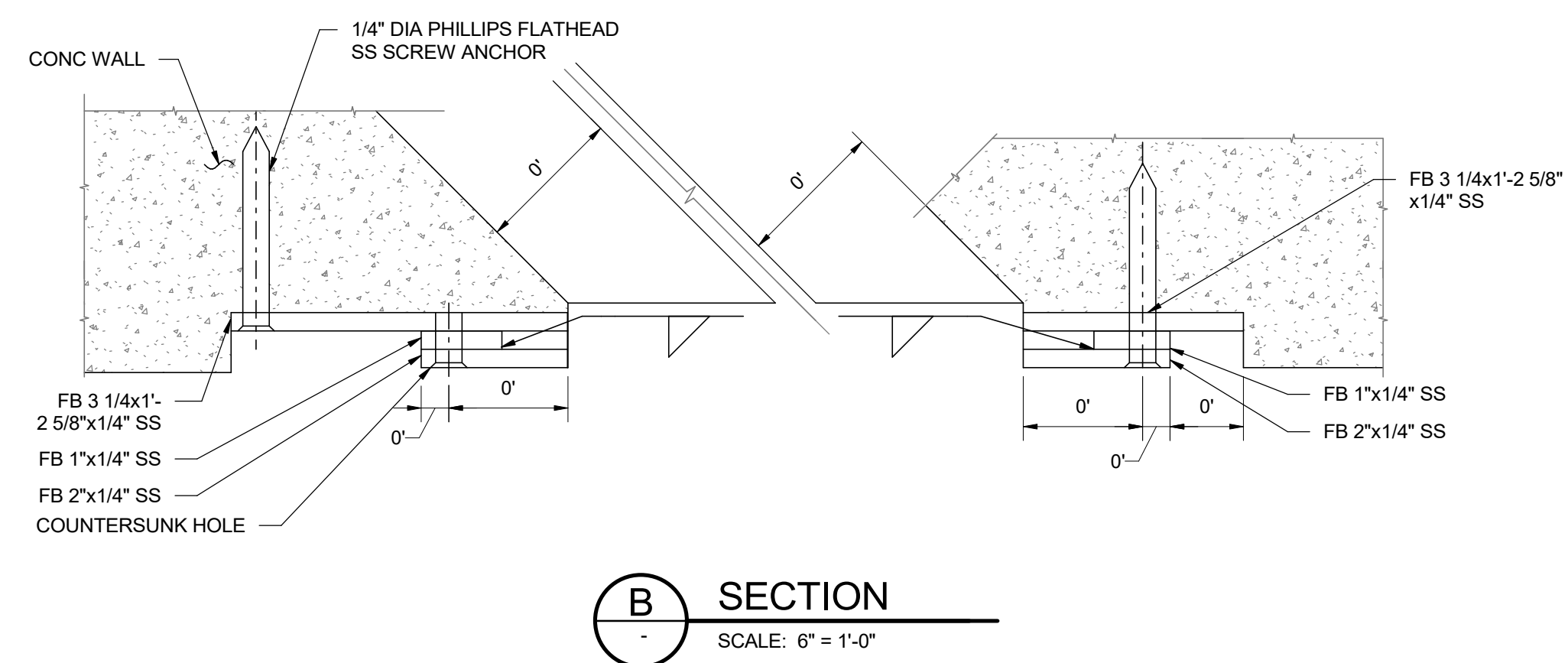
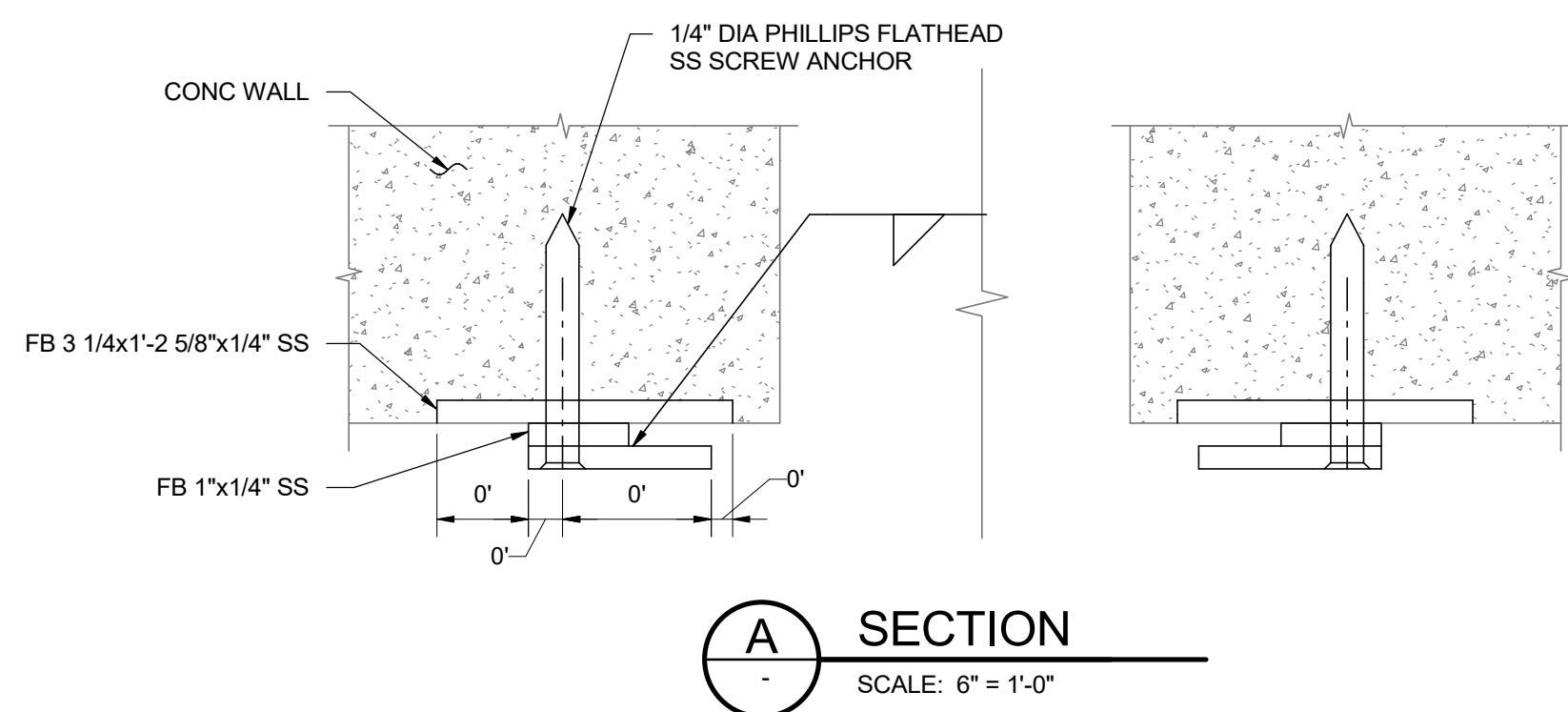
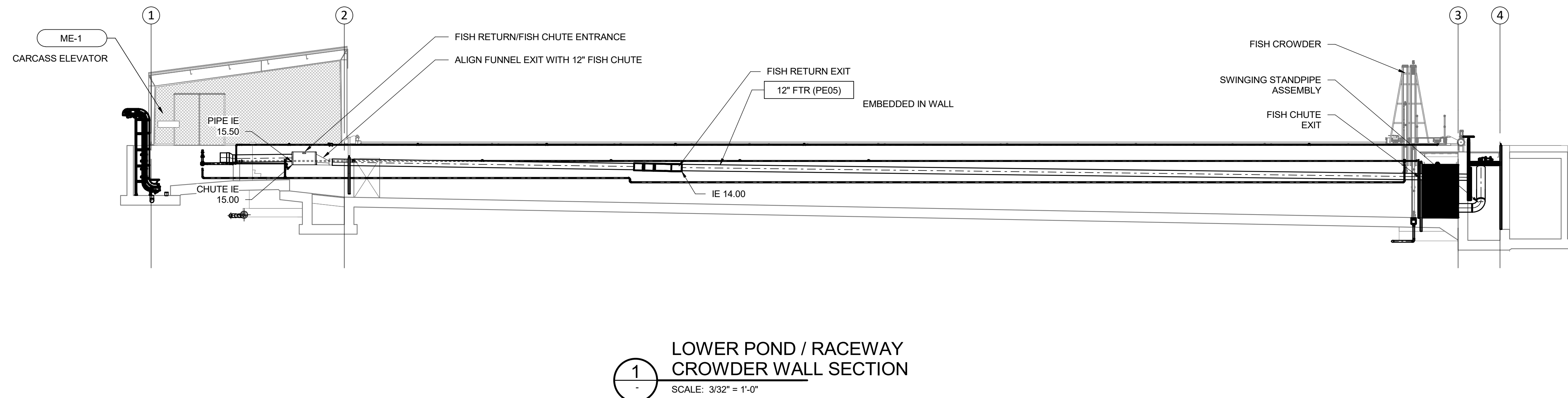
Exhibit E.2 Page 129 of 161



FISH RETURN EXIT GATE LEAF DETAIL
SCALE: 3/4" = 1'-0"



2 FISH RETURN EXIT GUIDE DETAIL
SCALE: 3/4" = 1'-0"



A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING
0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



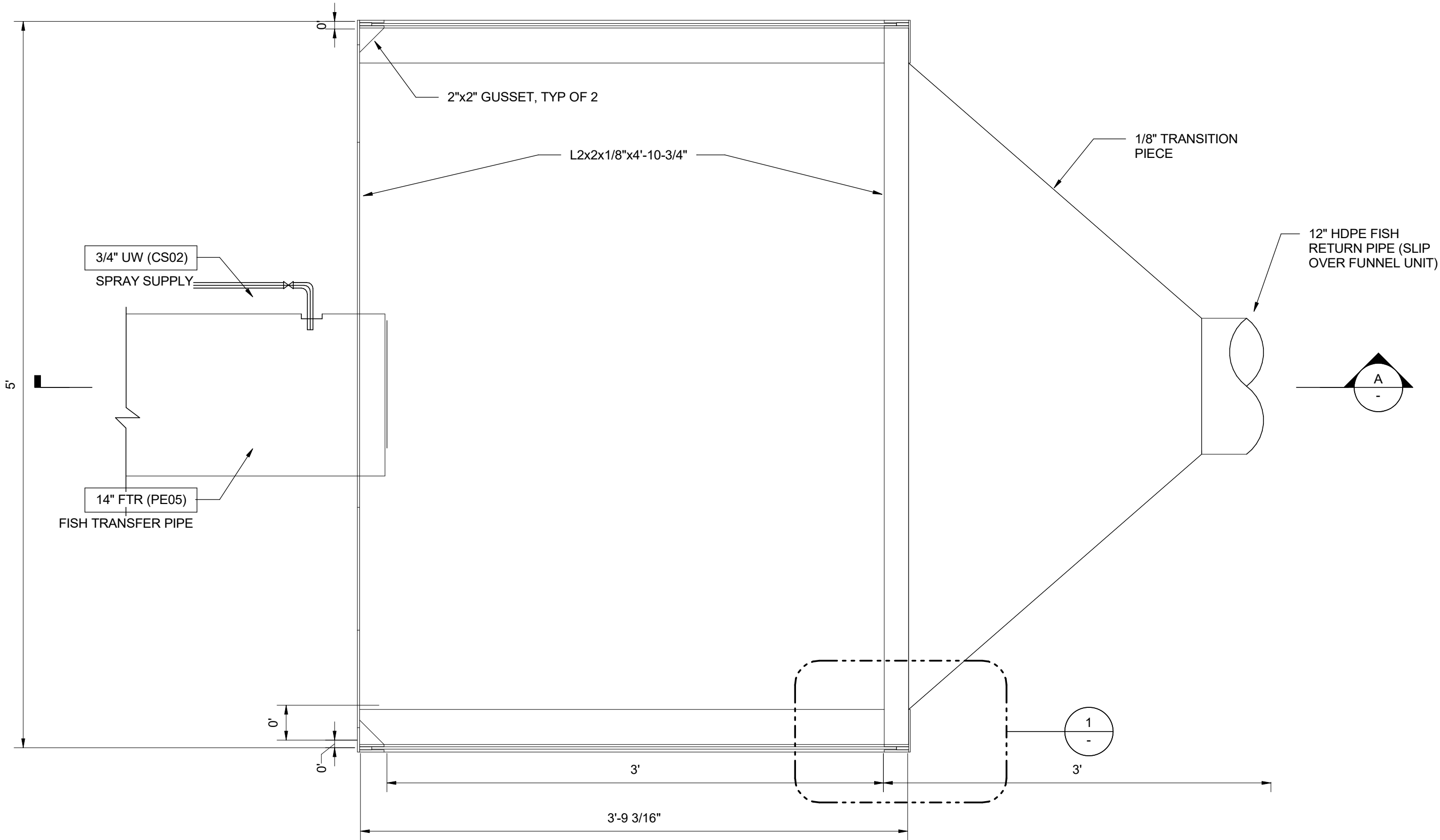
TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT
FISH CHUTE ENTRY
RETURN PLANS AND SECTIONS

DESIGNED M. VASILEV
DRAWN E. BOWEN
CHECKED J. DALLAS
ISSUED DATE 06/29/26

DRAWING
5M-9

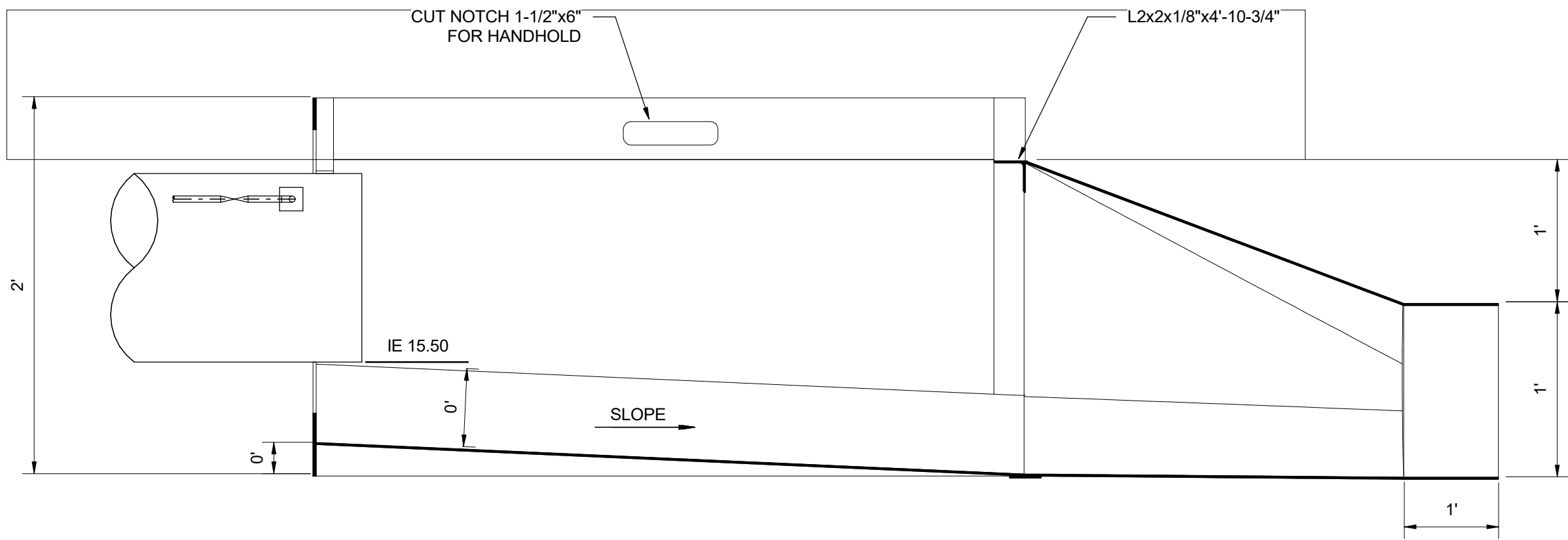
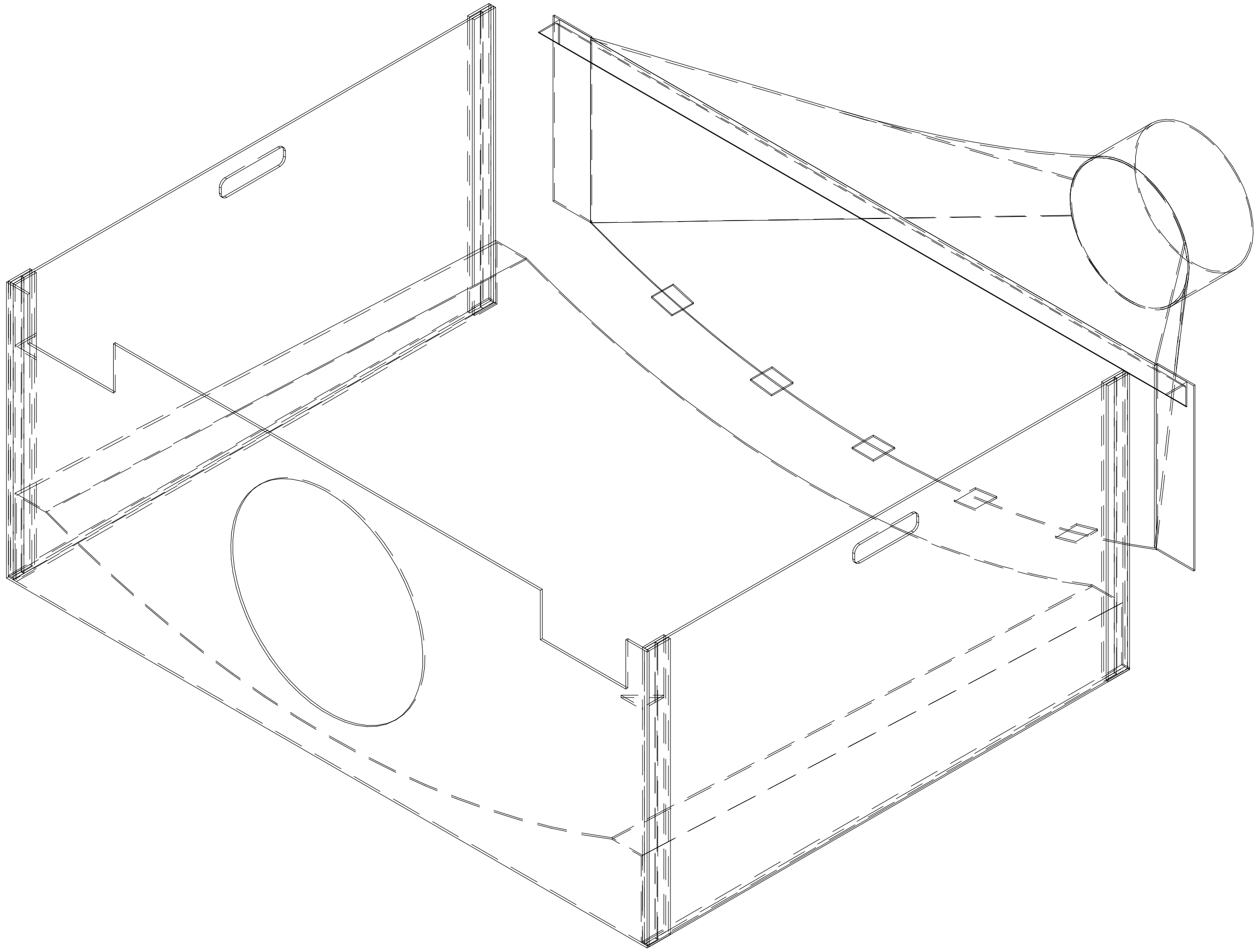
GENERAL SHEET NOTES

1. FISH CHUTE AND FUNNEL TO BE CONSTRUCTED OF FIBERGLASS OR STAINLESS STEEL MATERIAL UNLESS NOTED OTHERWISE.



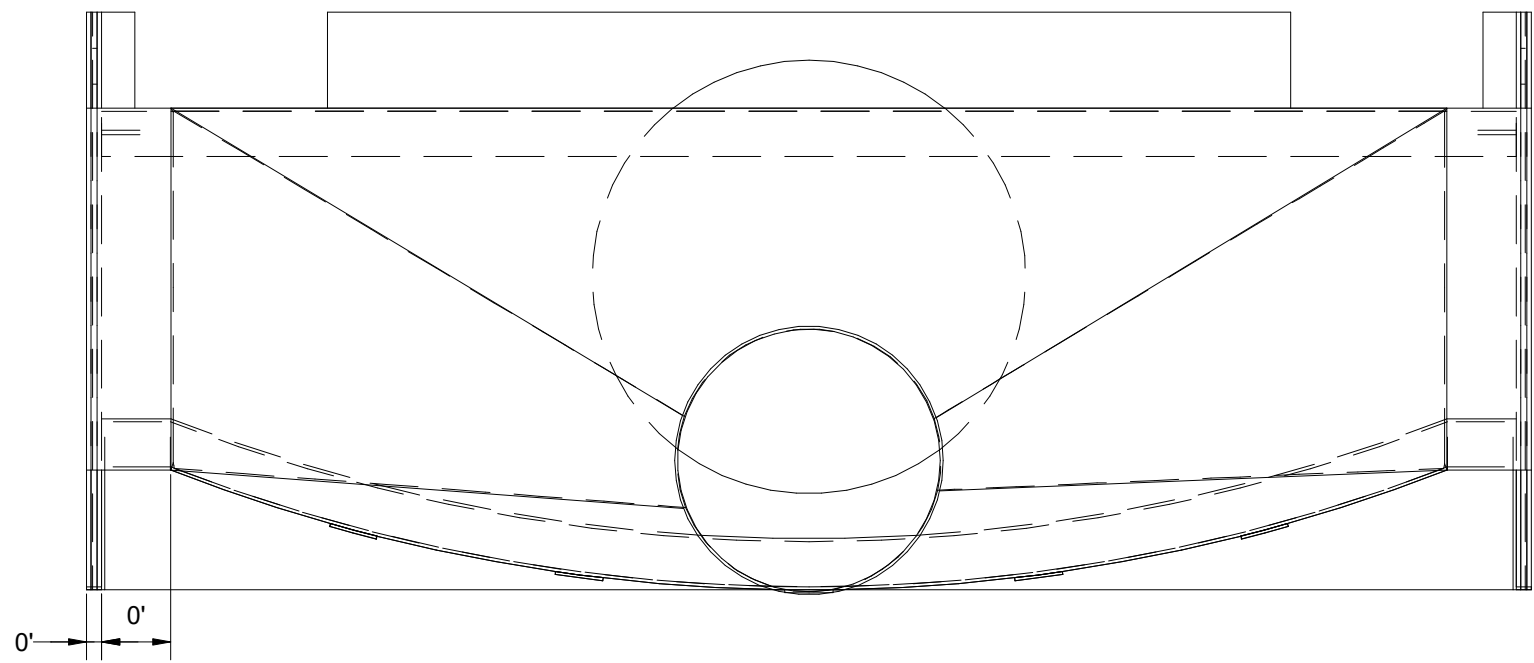
FISH RETURN AND FUNNEL ASSEMBLY

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



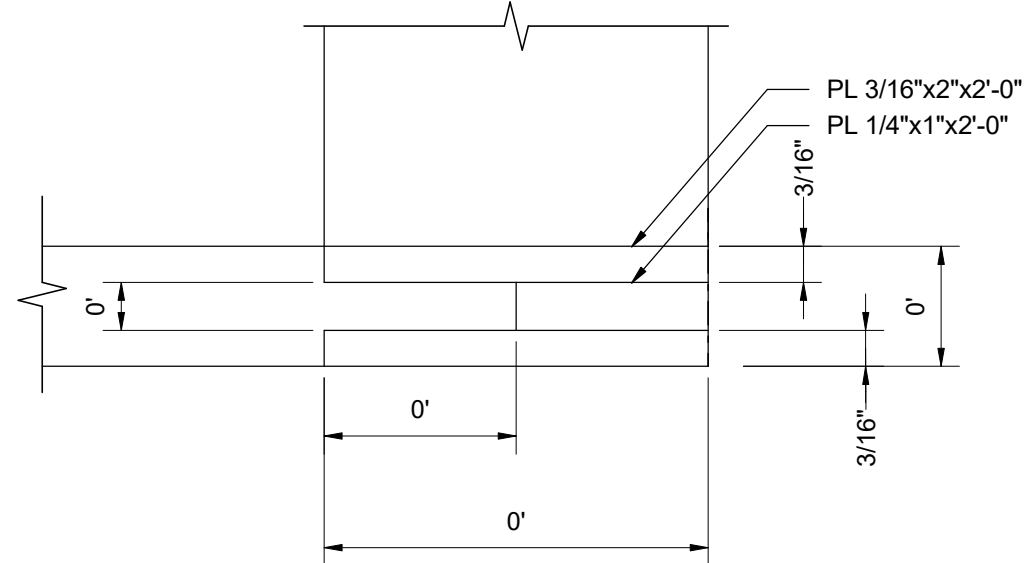
SECTION

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



FRONT VIEW

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



DETAIL

SCALE: 12" = 1'-0"

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING

0 1/2 1

IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.

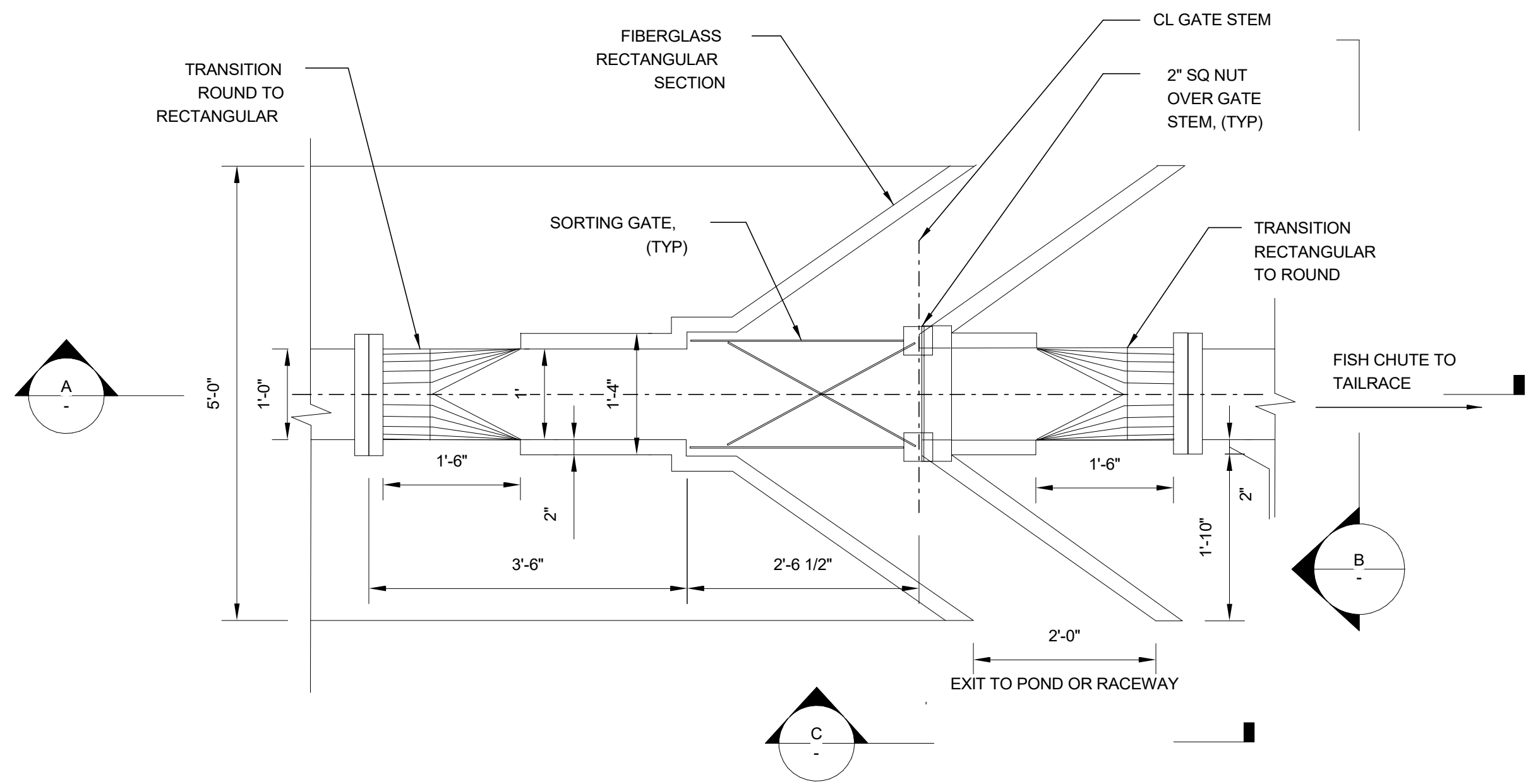


TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT
FISH RETURN AND FUNNEL DETAILS

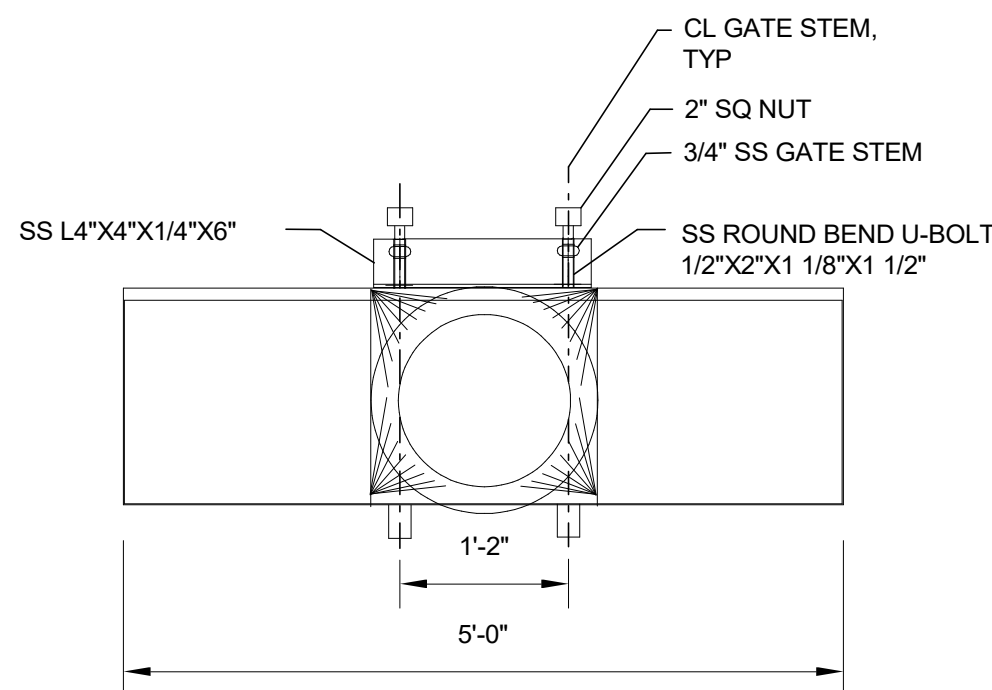
DESIGNED M. VASILEV
DRAWN E. BOWEN
CHECKED J. DALLAS
ISSUED DATE 06/29/2026

DRAWING

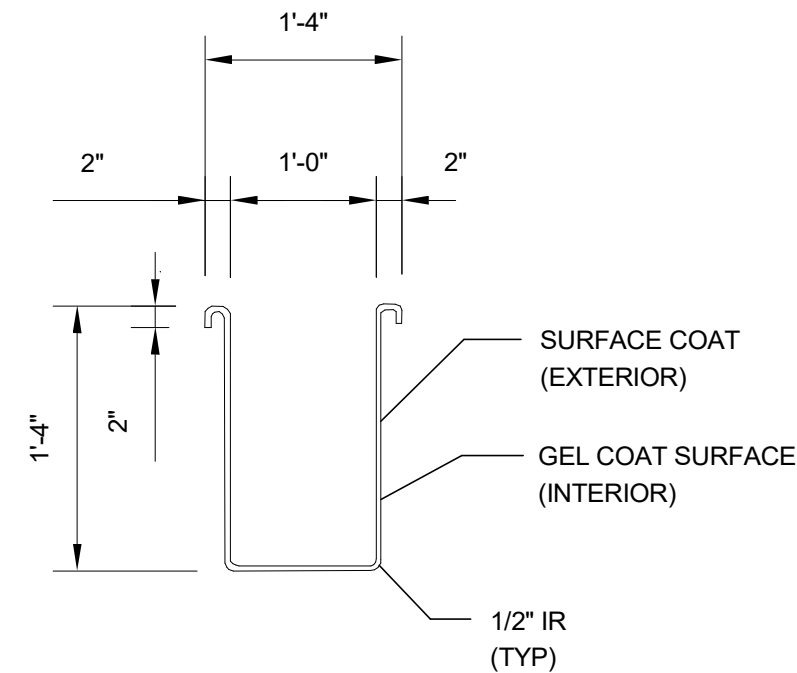
5M-10



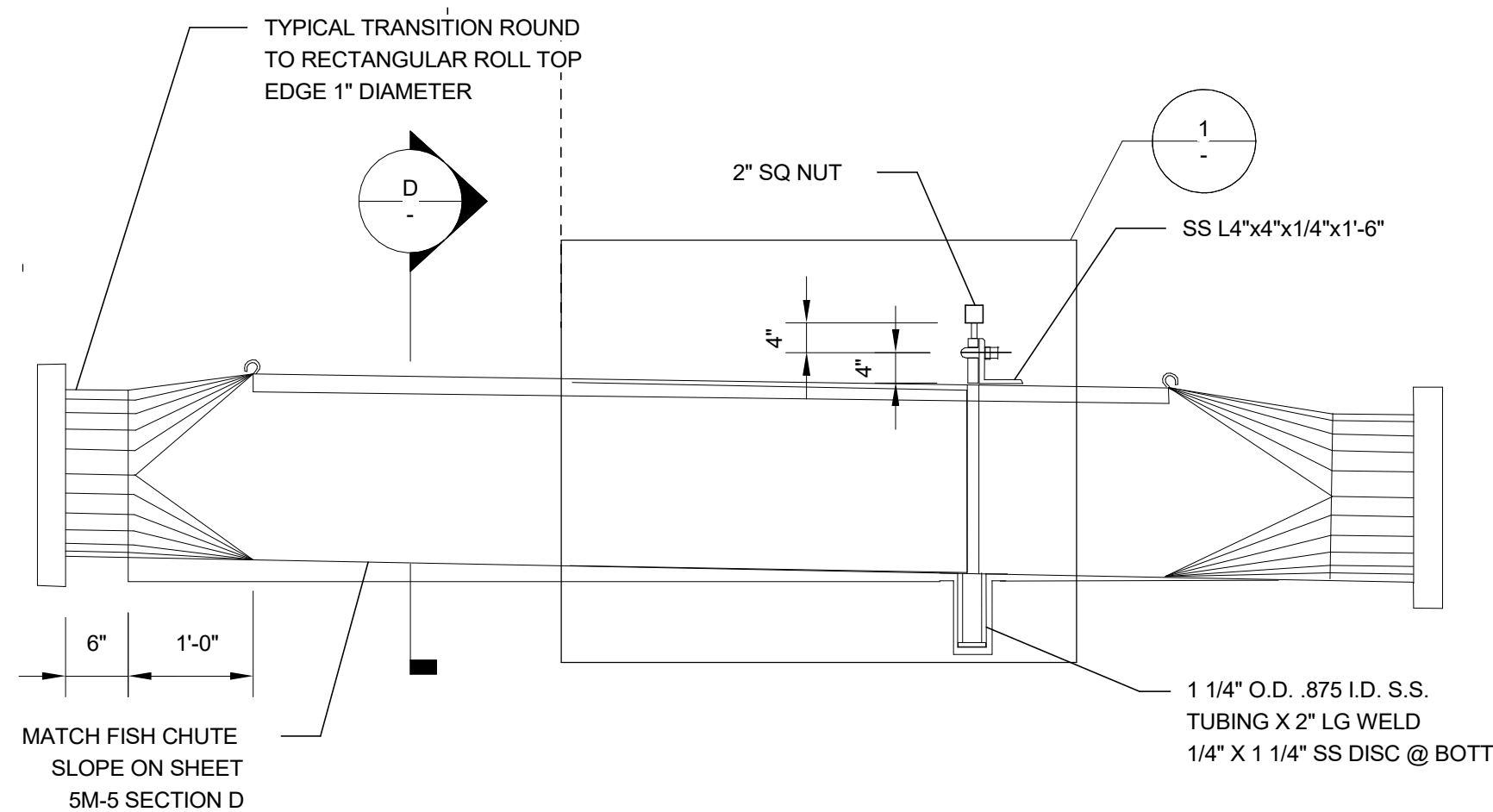
1 FISH CHUTE SORTING ASSEMBLY PLAN
SCALE: 1/4" = 1'-0"



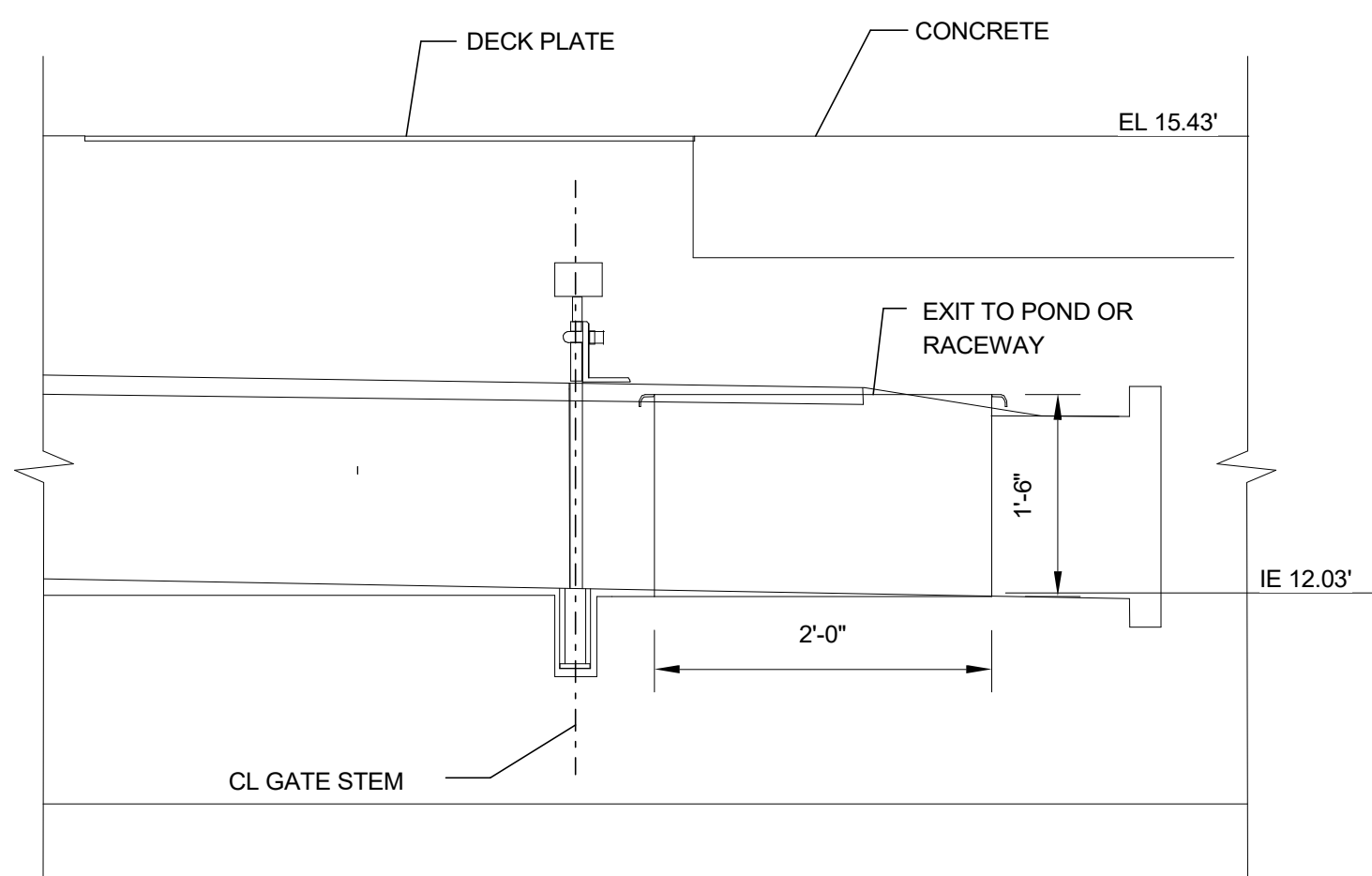
B SECTION - END VIEW
SCALE: 1/4" = 1'-0"



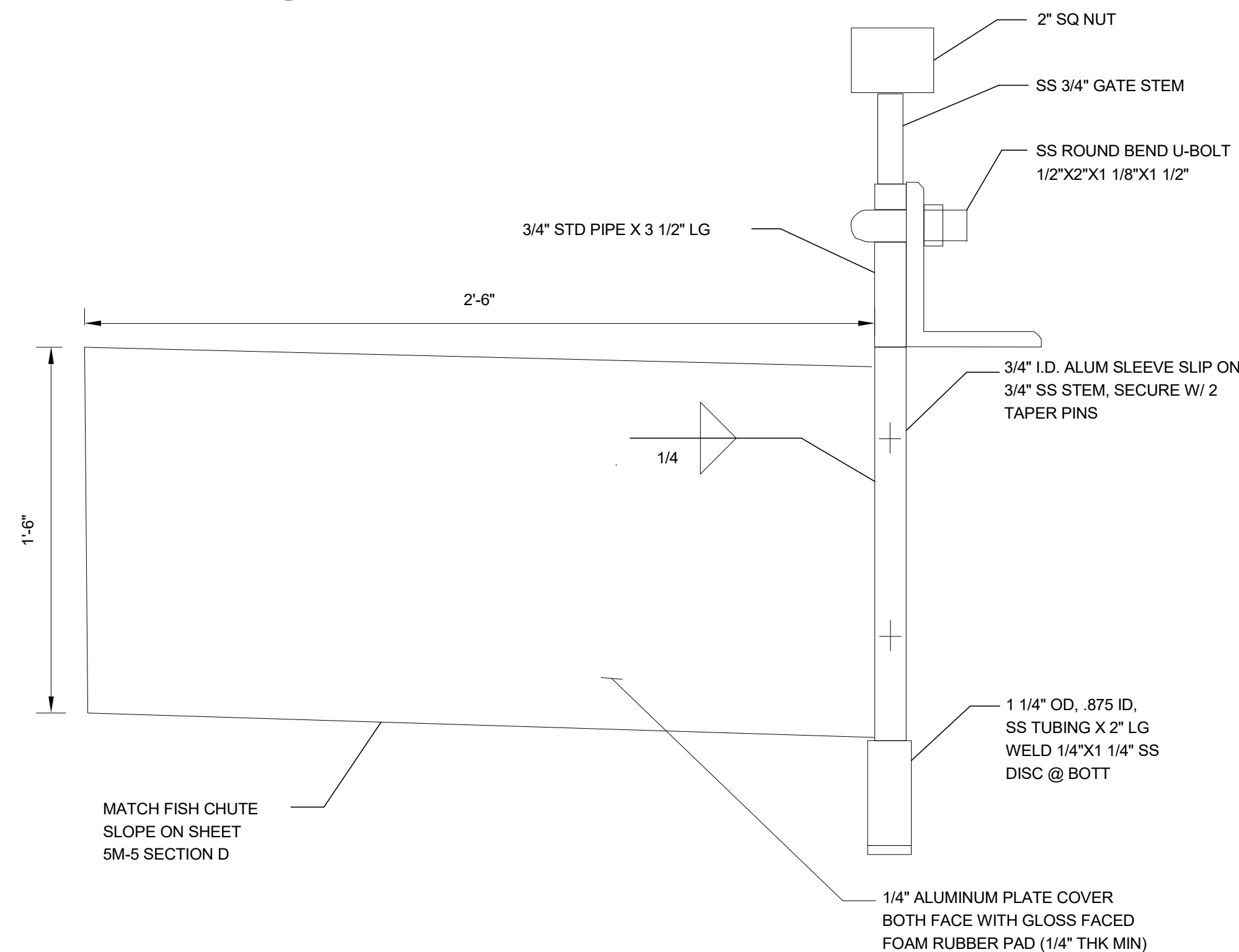
D SECTION - TYP THROUGH SEC.
SCALE: 1/4" = 1'-0"



A SECTION - FISH CHUTE SORTING ASSEMBLY
SCALE: 1/4" = 1'-0"



D SECTION - IN WALL
SCALE: 1/4" = 1'-0"



1 DETAIL - GATE STEM
SCALE: 1/4" = 1'-0"

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING
0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.

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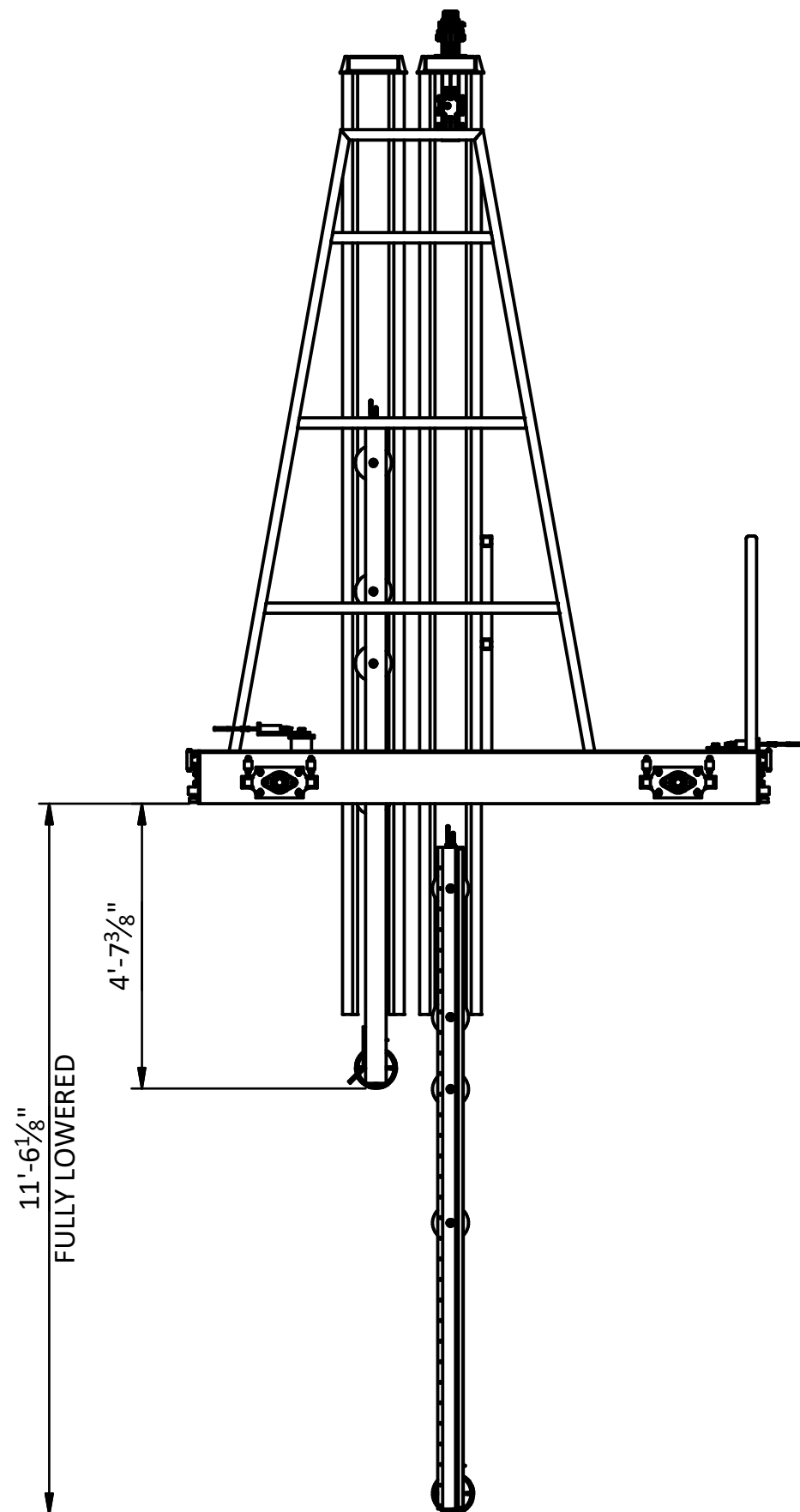
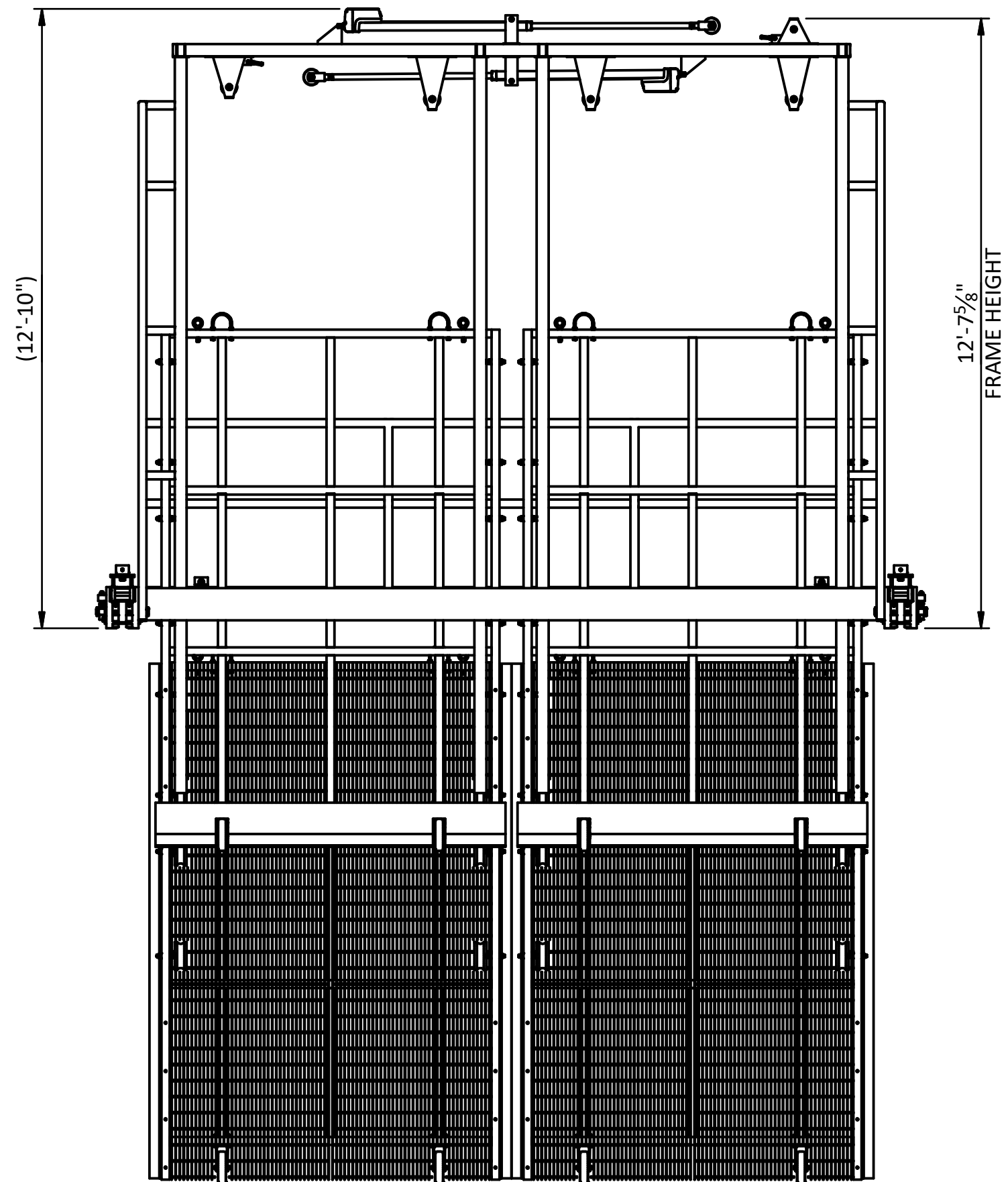
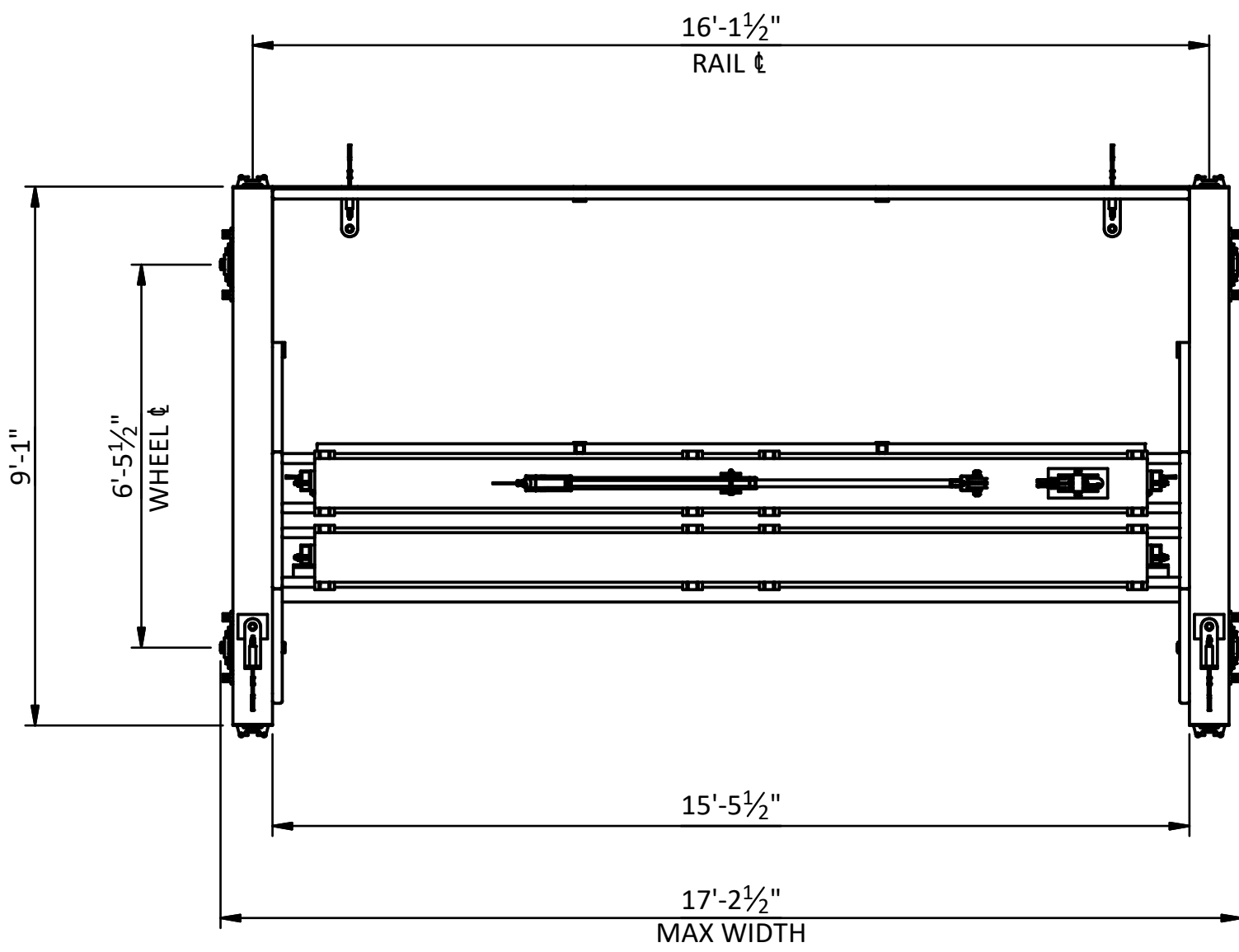


TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT
FISH RETURN SORTING
ASSEMBLY DETAILS

DESIGNED M. VASILEV
DRAWN E. BOWEN
CHECKED J. DALLAS
ISSUED DATE 06/29/2026

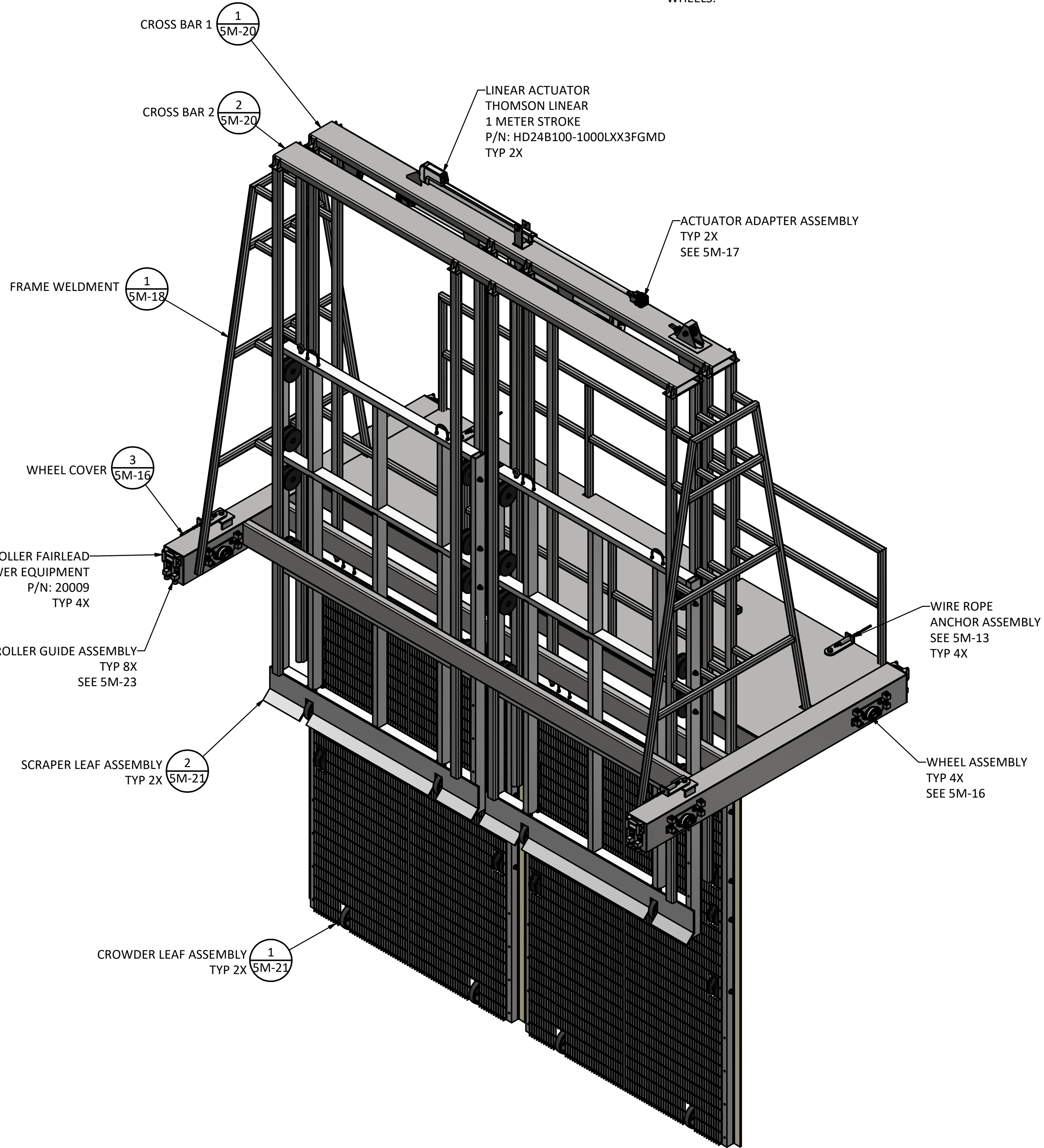
DRAWING
5M-11

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LOWER RACEWAY CROWDER

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



LOWER RACEWAY CROWDER- ISO

SCALE: NTS

SHEET NOTES:

1. USING THE JACKING BOLTS ADJUST WHEEL TO ENSURE CROWDER IS LEVEL AND THE CROWDER WEIGHT IS EVENLY DISTRIBUTED AMONG THE WHEELS.

A	06/29/26	RM	PRE-FINAL DESIGN	
REV	DATE	BY	DESCRIPTION	

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING
0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE

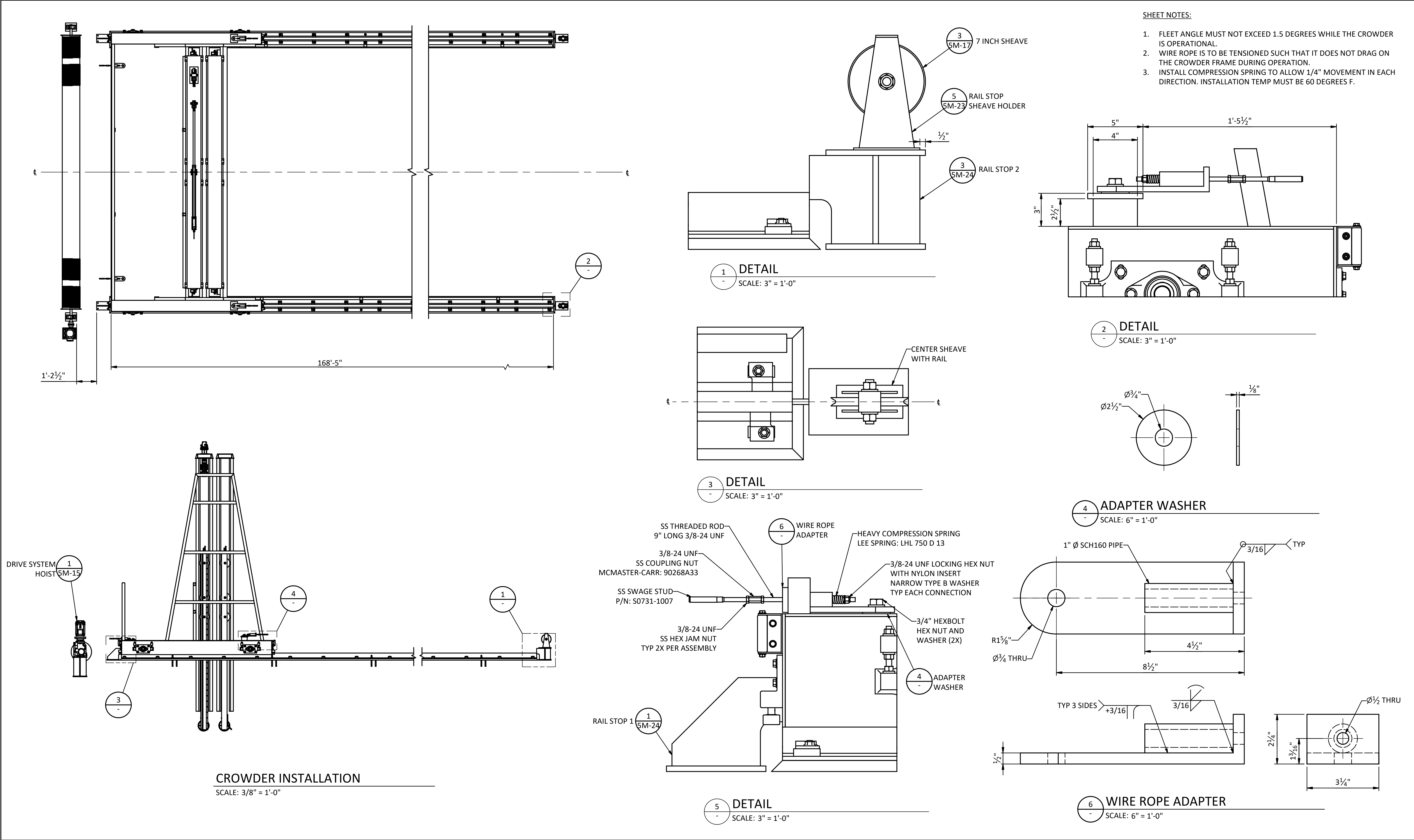


TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT

LOWER RACEWAY CROWDER
ASSEMBLY

DESIGNED M. RIETZE
DRAWN M. RIETZE
CHECKED J. DALLAS
PROJECT DATE 06/29/26

DRAWING
5M-12

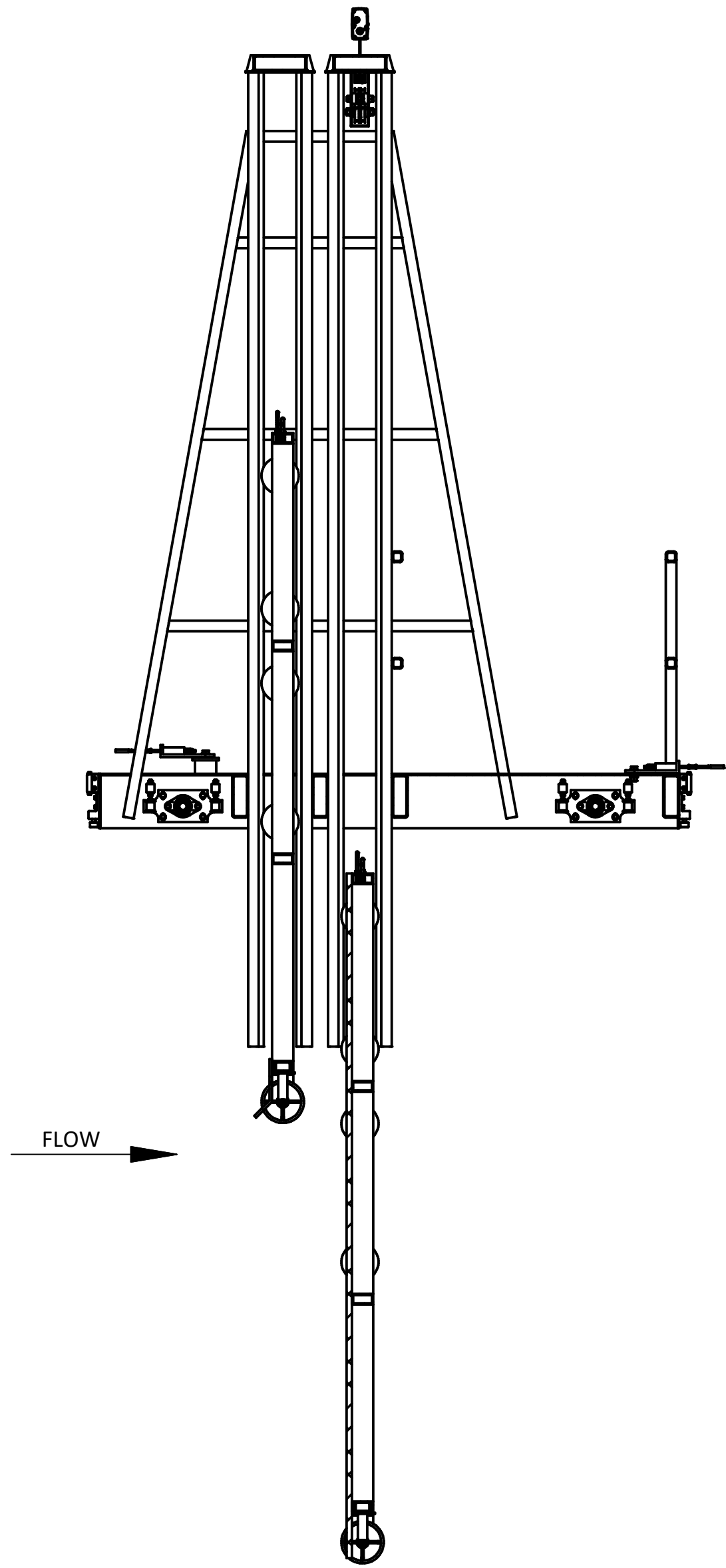


				PRELIMINARY NOT FOR CONSTRUCTION		WARNING 01/21 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE	McMillen 1471 Shoreline Dr. Ste 100, Boise, ID 83702 (208) 342-4214 mcmillen.com	TULALIP TRIBES	TULALIP TRIBES		DESIGNED <u>M. RIETZE</u>	DRAWING 5M-13
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT									DRAWN <u>M. RIETZE</u>			
LOWER RACEWAY CROWDER RAIL INSTALLATION DETAILS									CHECKED <u>J. DALLAS</u>			
									PROJECT DATE <u>06/29/26</u>			
									Exhibit E.2 Page 134 of 161			
A	06/29/26	RM	PRE-FINAL DESIGN									
REV	DATE	BY	DESCRIPTION									

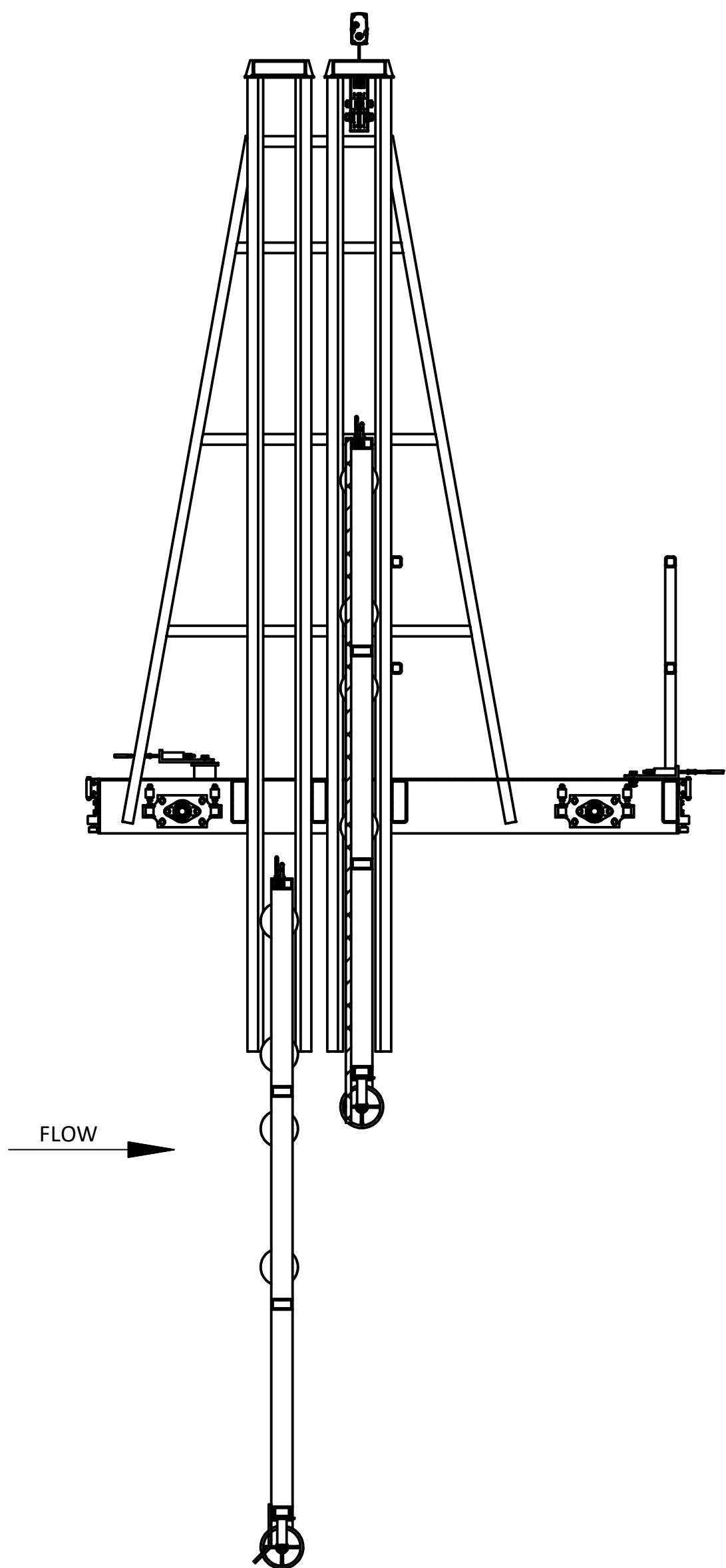
Path:c:\Vault\Tulip Tribes\56-017 Tulip Creek Lower Pond Improvements Project Redesign\Drawings\5M-X CROWDER.dwg

JOB NO:

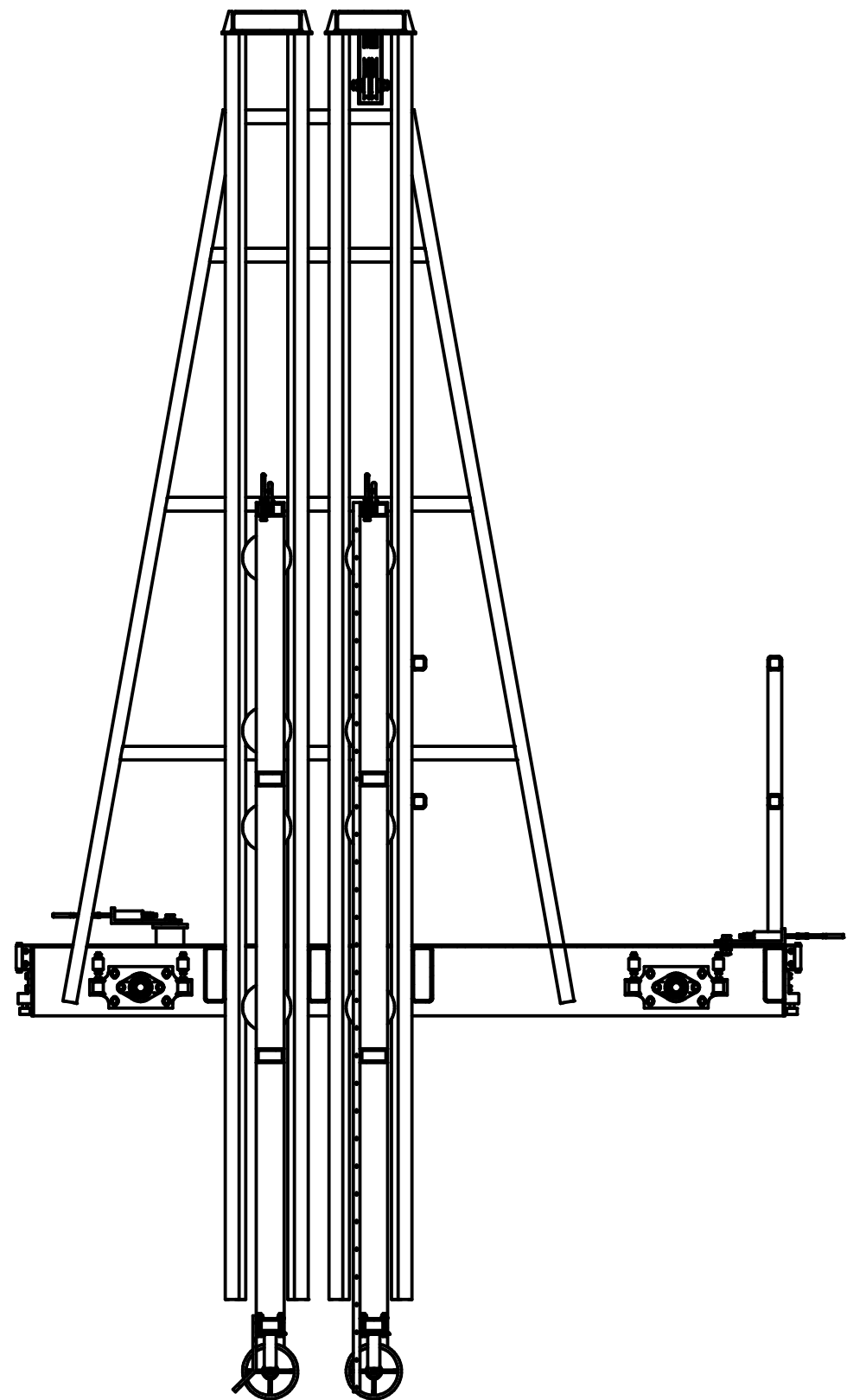
- SHEET NOTES:
- WELD IN ACCORDANCE WITH AWS D1.1



CROWDER - CROWDING LEAF DOWN
SCALE: 1/2" = 1'-0"



CROWDER - SCRAPING LEAF DOWN
SCALE: 1/2" = 1'-0"



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

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING
0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE

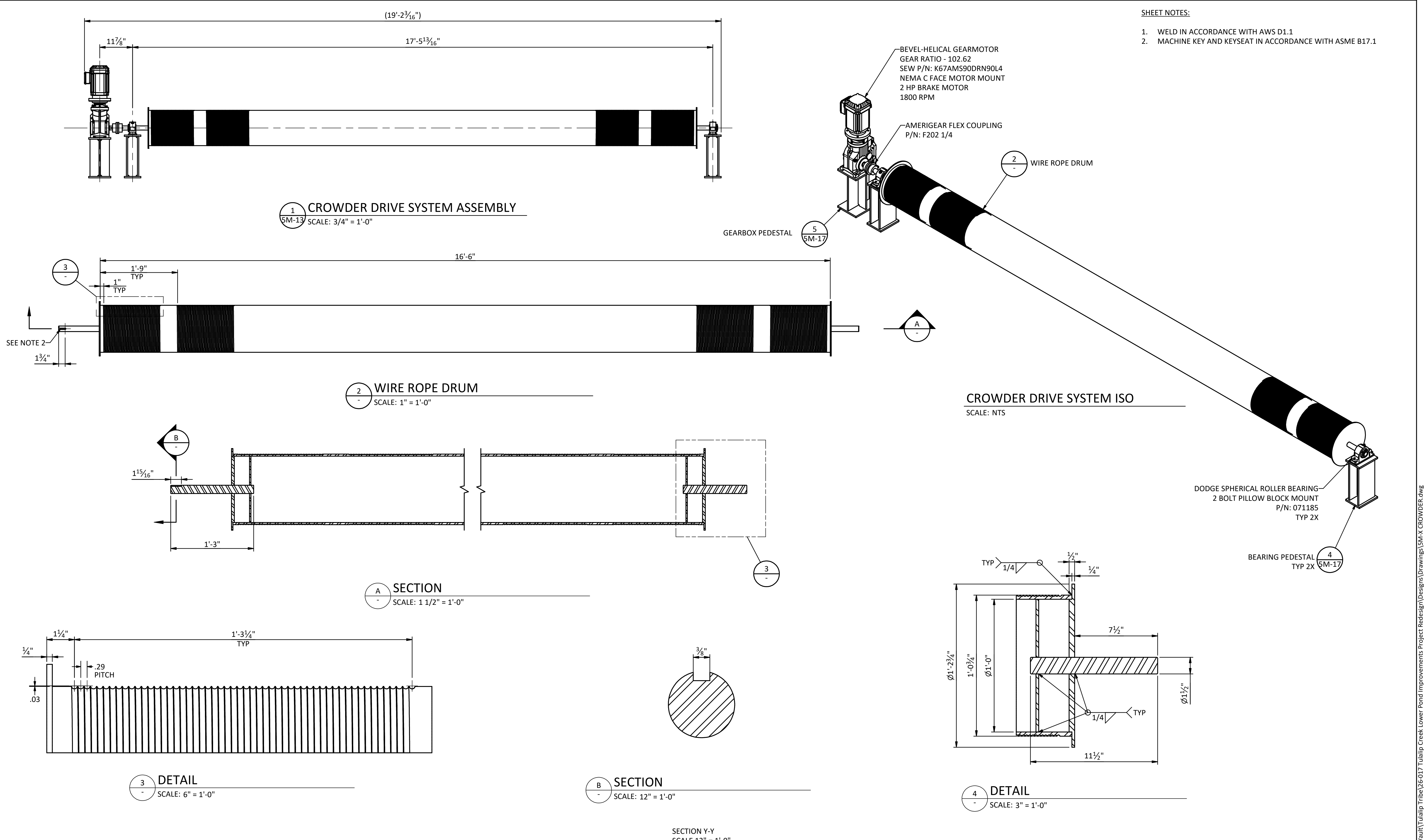


TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT

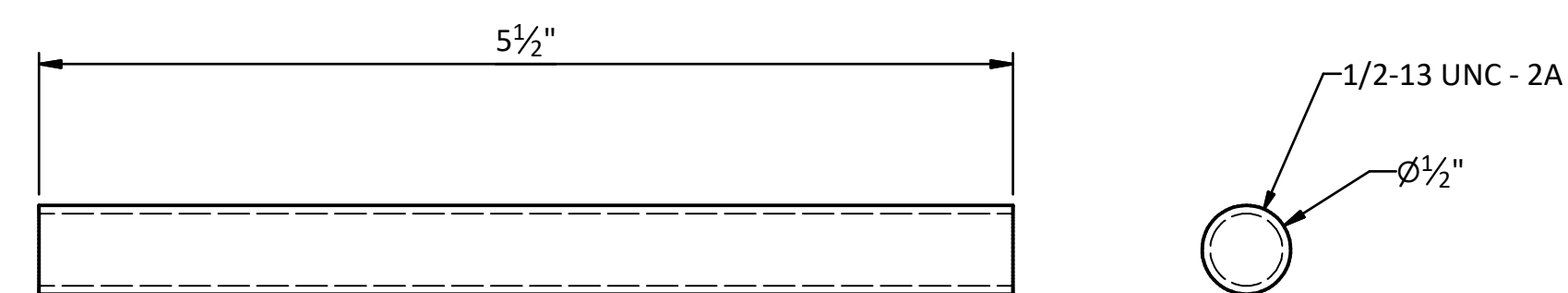
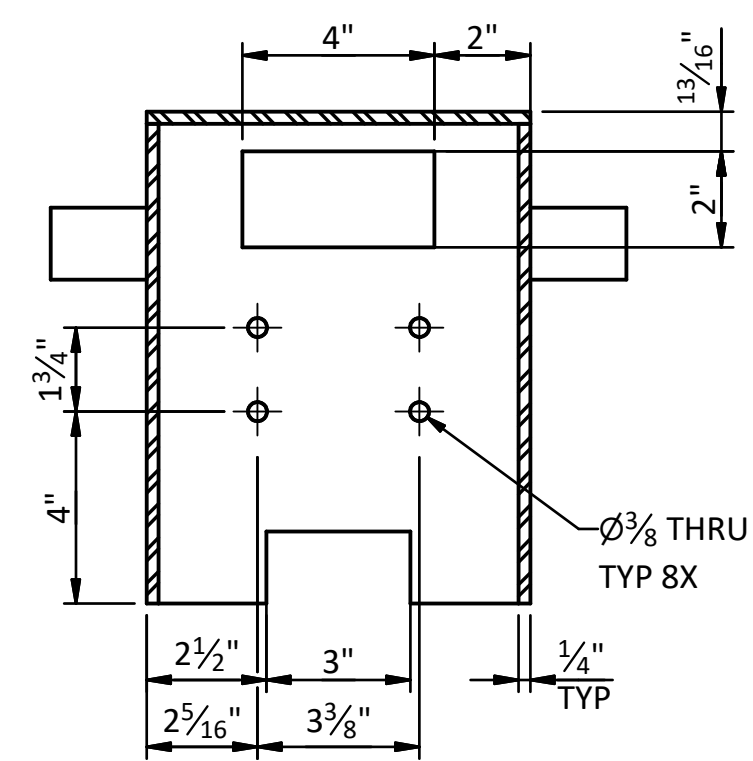
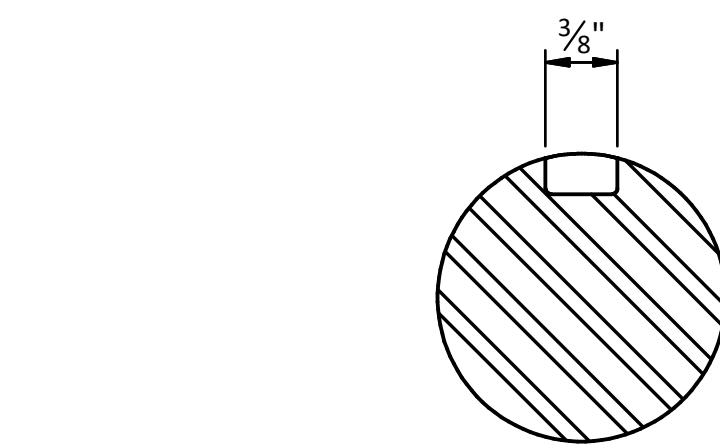
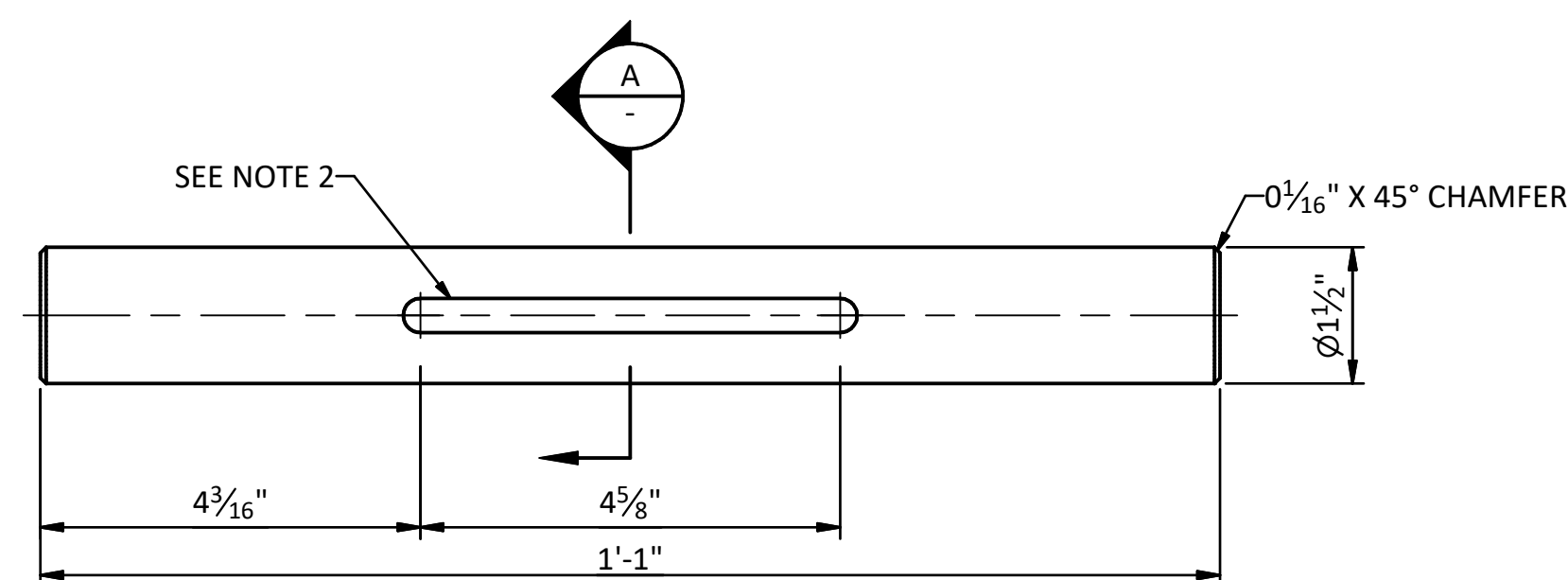
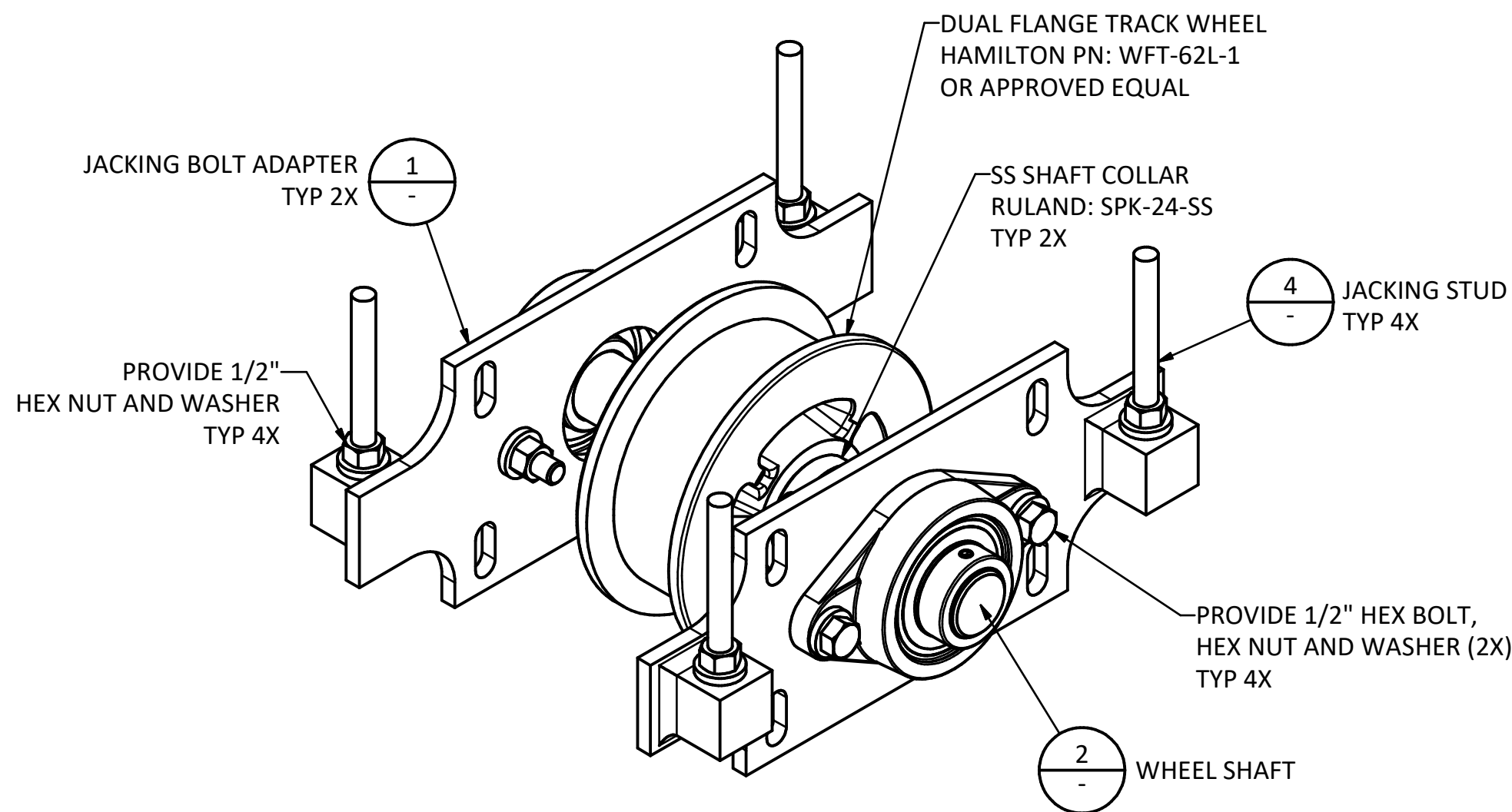
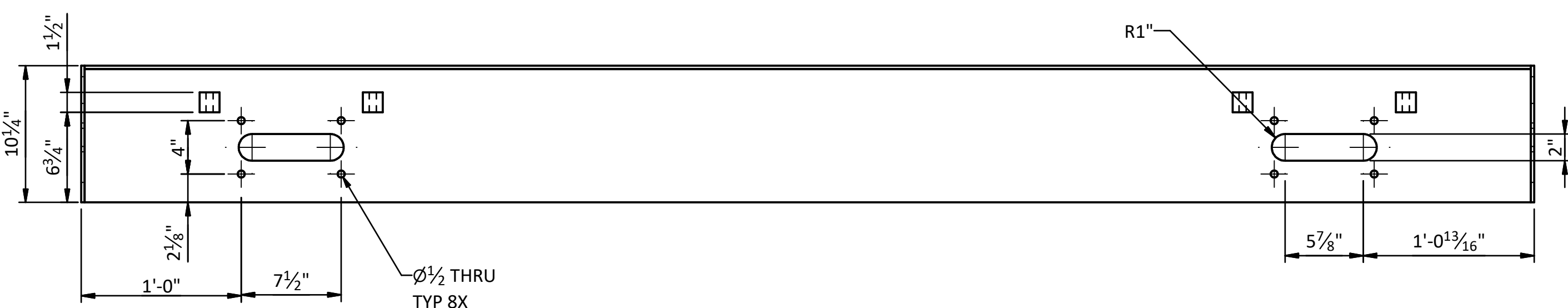
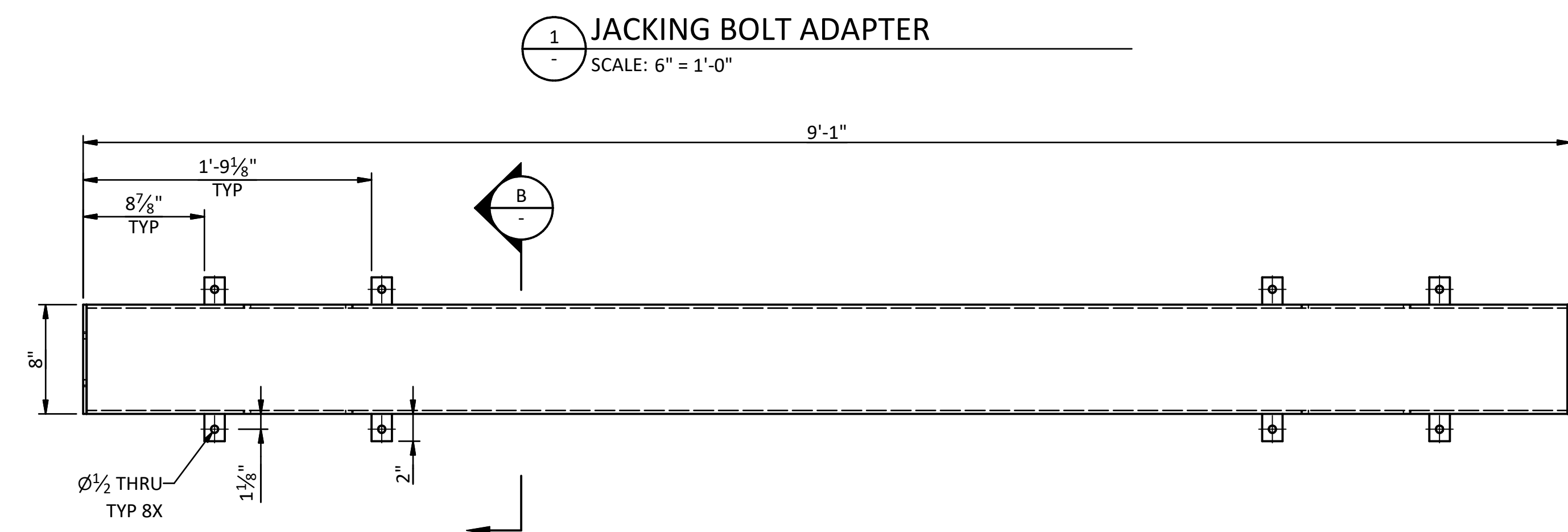
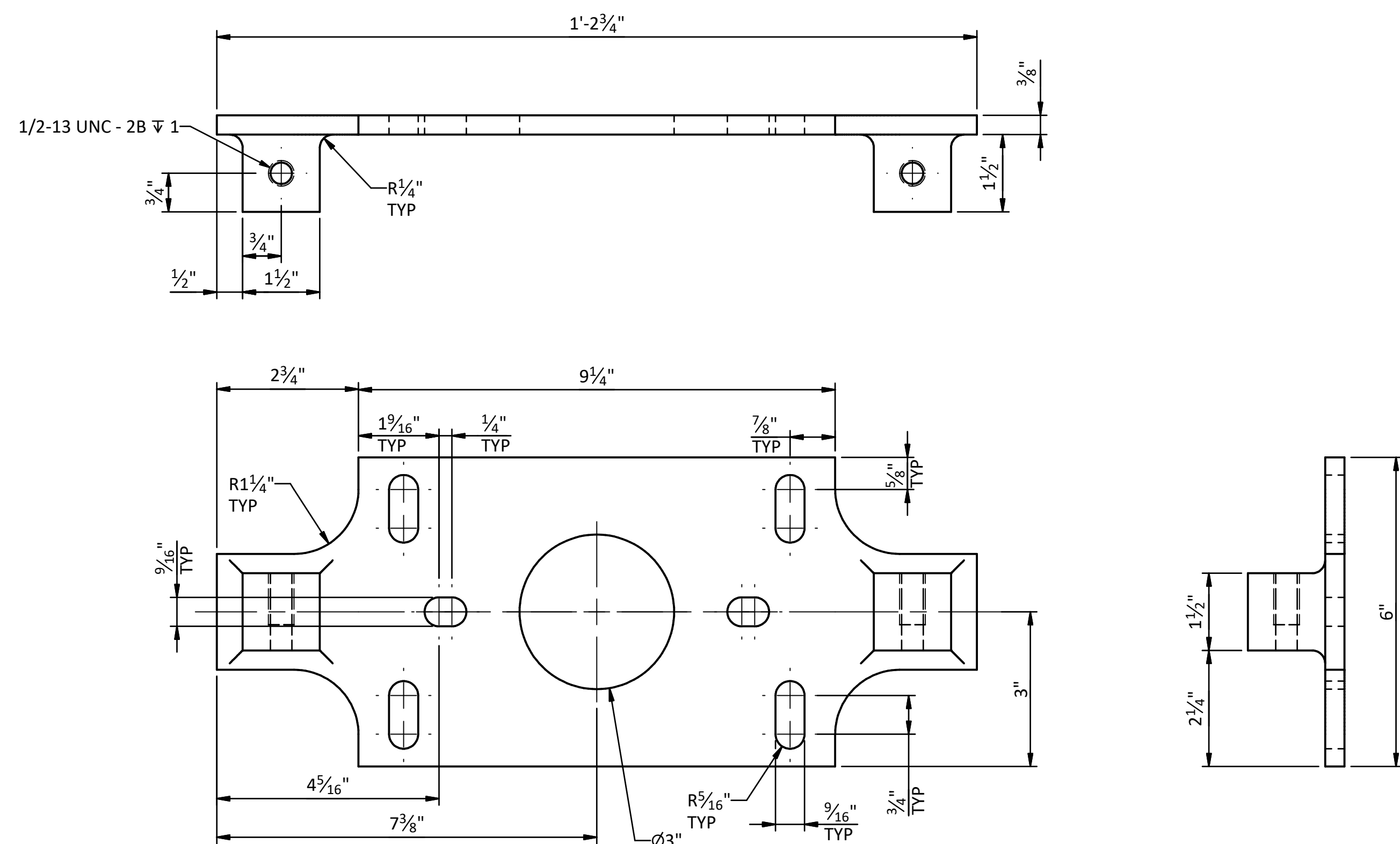
LOWER RACEWAY CROWDER
LIMIT SWITCH DETAILS

DESIGNED _____ M. RIETZE
DRAWN _____ M. RIETZE
CHECKED _____ J. DALLAS
PROJECT DATE 06/29/26

DRAWING
5M-14



				PRELIMINARY NOT FOR CONSTRUCTION		WARNING 01/2 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE		McMillen 1471 Shoreline Dr. Ste 100, Boise, ID 83702 (208) 342-4214 mcmillen.com		TULALIP TRIBES		TULALIP TRIBES		DESIGNED <u>M. RIETZE</u>		DRAWING 5M-15	
												TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT		DRAWN <u>M. RIETZE</u>			
									LOWER RACEWAY CROWDER DRIVE SYSTEM ASSEMBLY		CHECKED <u>J. DALLAS</u>						
											PROJECT DATE <u>06/29/26</u>		Exhibit E.2Page 136 of 161				
A	06/29/26	RM	PRE-FINAL DESIGN														
REV	DATE	BY	DESCRIPTION														



SHEET NOTES:

1. WELD IN ACCORDANCE WITH AWS D1.1
2. MACHINE KEY AND KEYSEAT IN ACCORDANCE WITH ASME B17.1

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING

0 1/2 1



IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE



TULALIP TRIBES

TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT

LOWER RACEWAY CROWDER DRIVE SYSTEM DETAILS 1

DESIGNED	<u>M. RIETZE</u>
DRAWN	<u>M. RIETZE</u>
CHECKED	<u>J. DALLAS</u>
PROJECT DATE	<u>06/29/26</u>

DRAWING

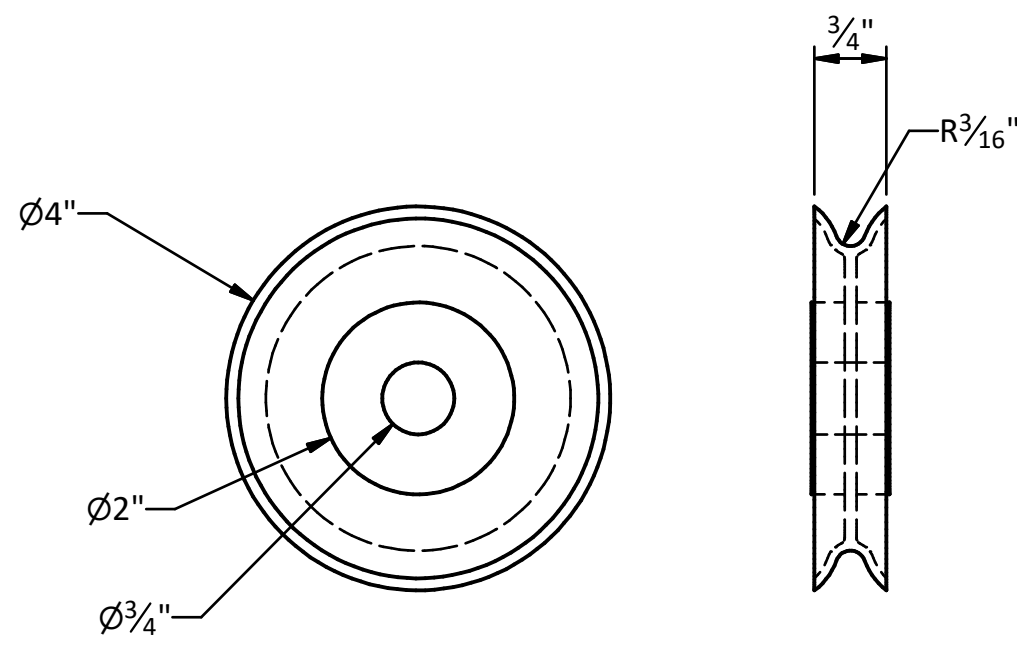
5M-16

Exhibit E.2 Page 137 of 161

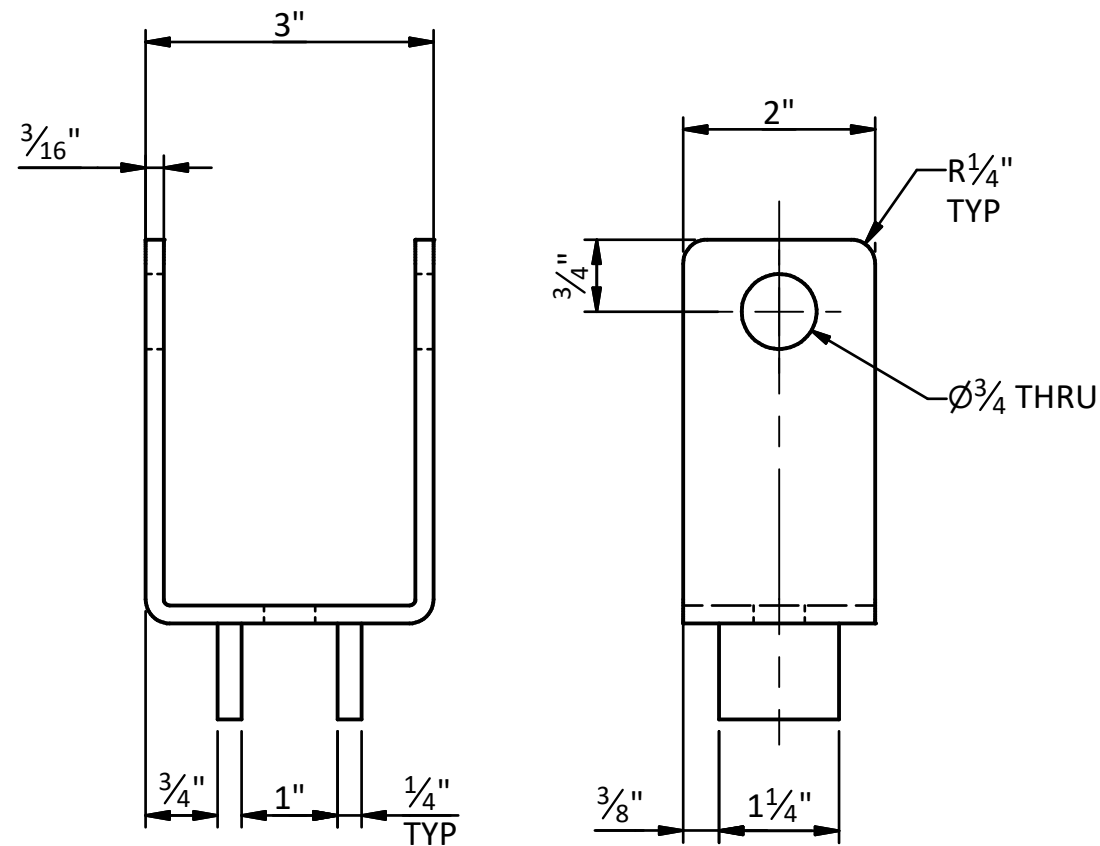
JOB NO: Path:C:\Vault\Tulalip Tribel\26-017 Tulalip Creek Lower Pond Improvements Project Redesign\Drawings\5M-X CROWDER.dwg

SHEET NOTES:

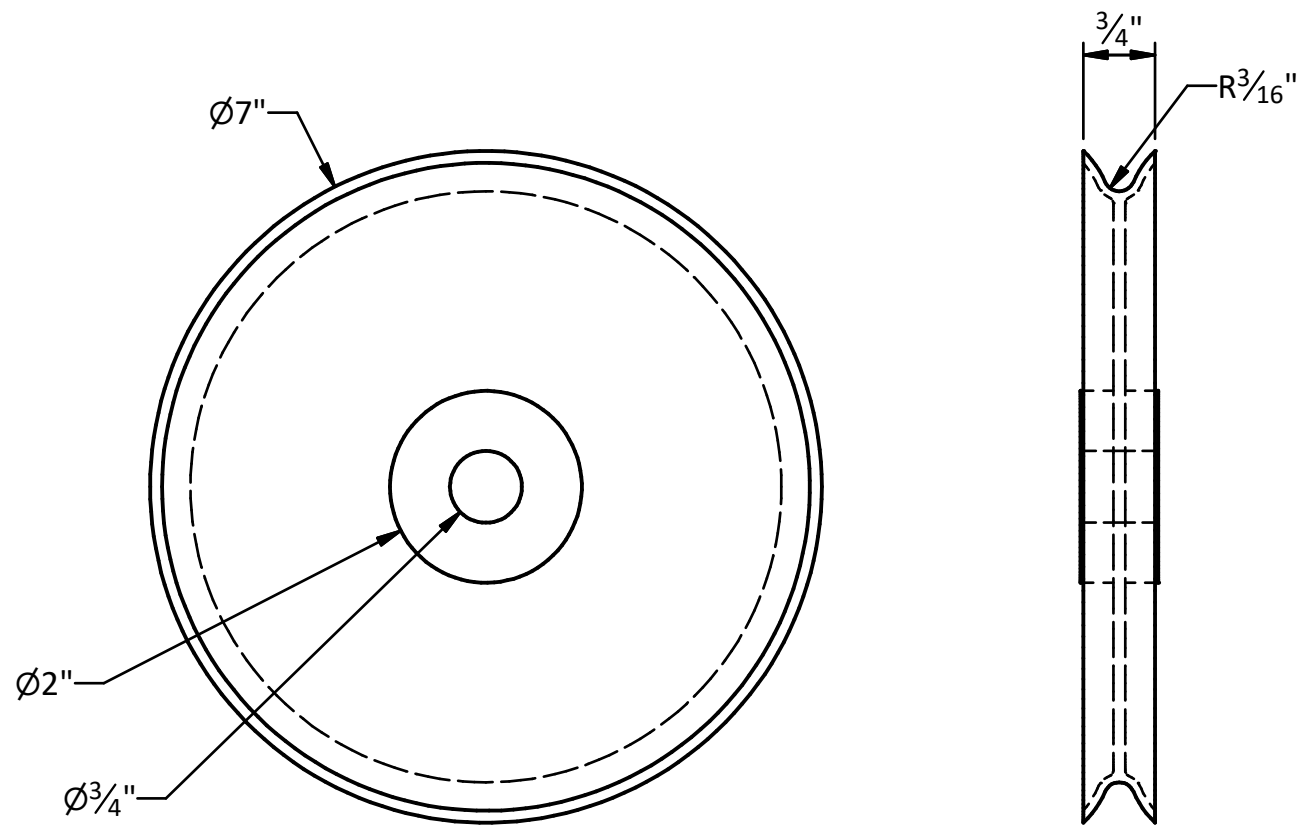
1. WELD IN ACCORDANCE WITH AWS D1.1



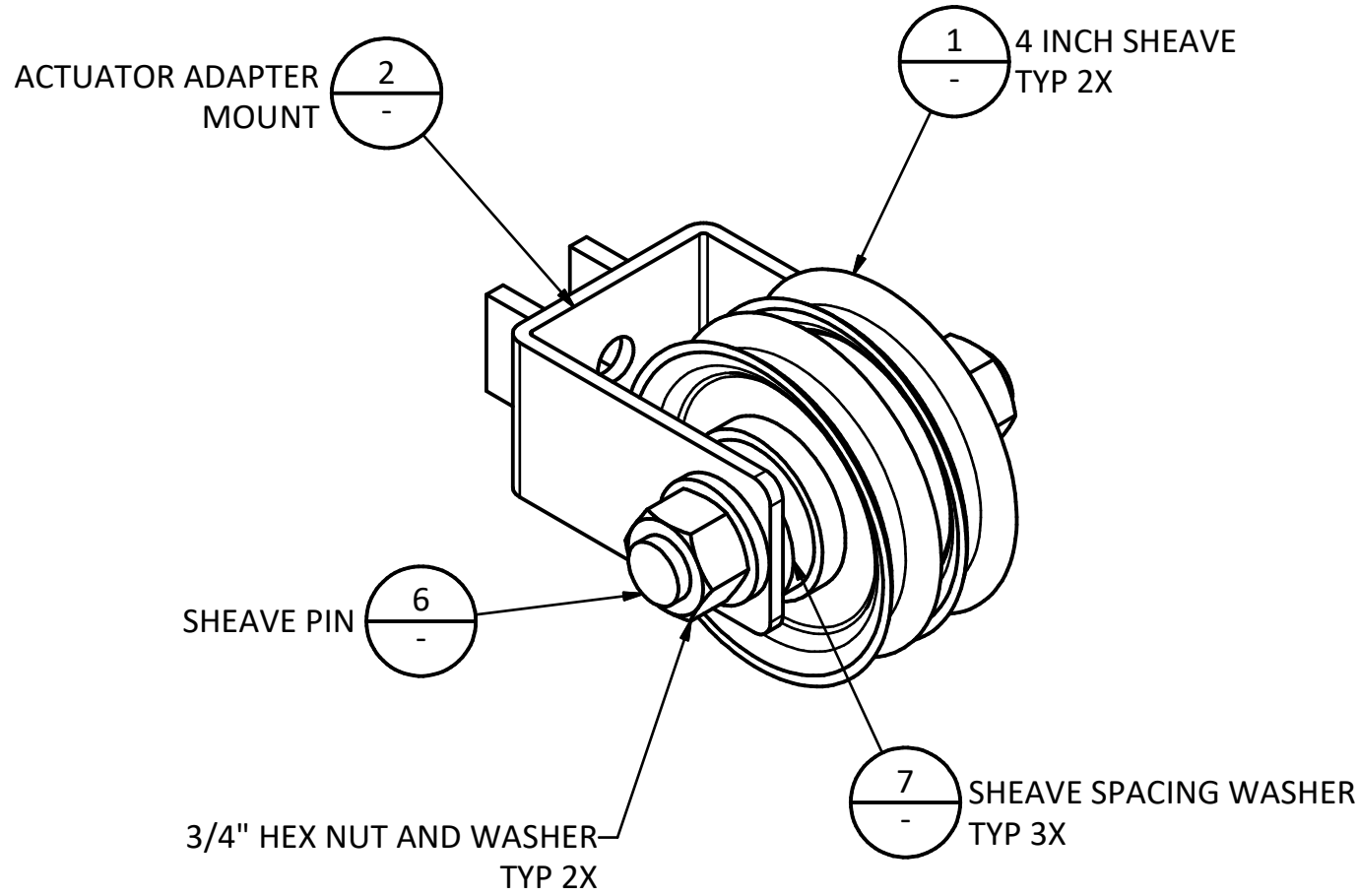
1 4 INCH SHEAVE
SCALE: 6" = 1'-0"



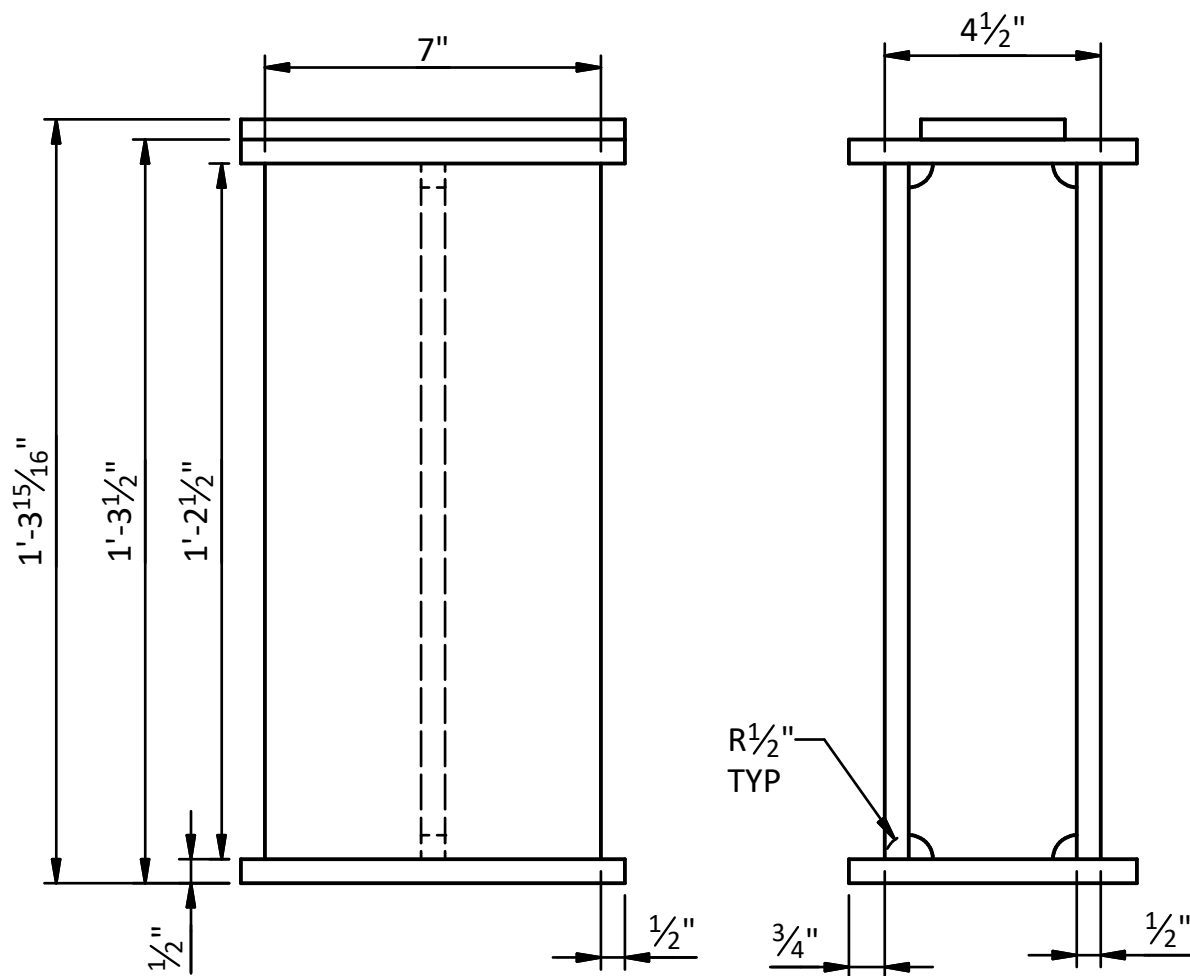
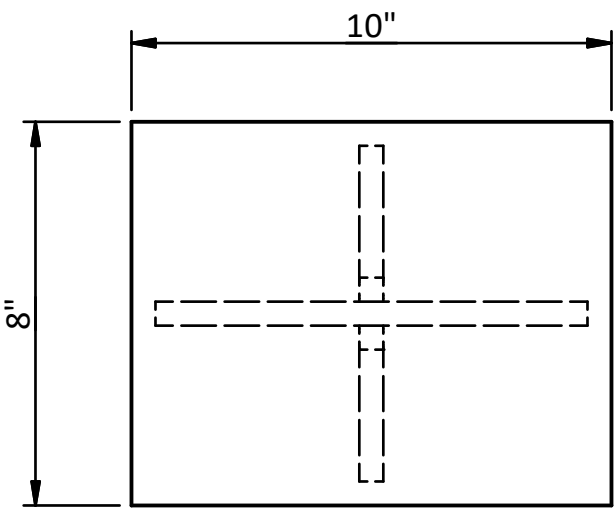
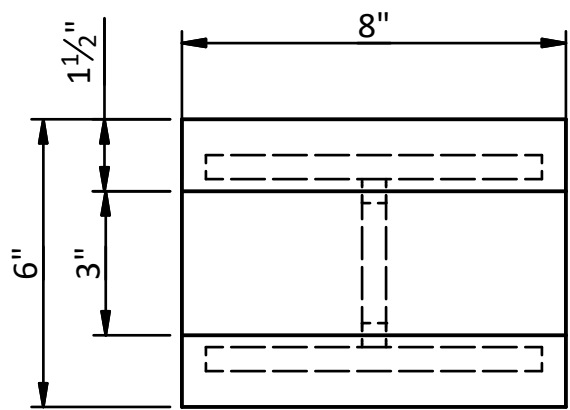
2 ACTUATOR ADAPTOR MOUNT
SCALE: 6" = 1'-0"



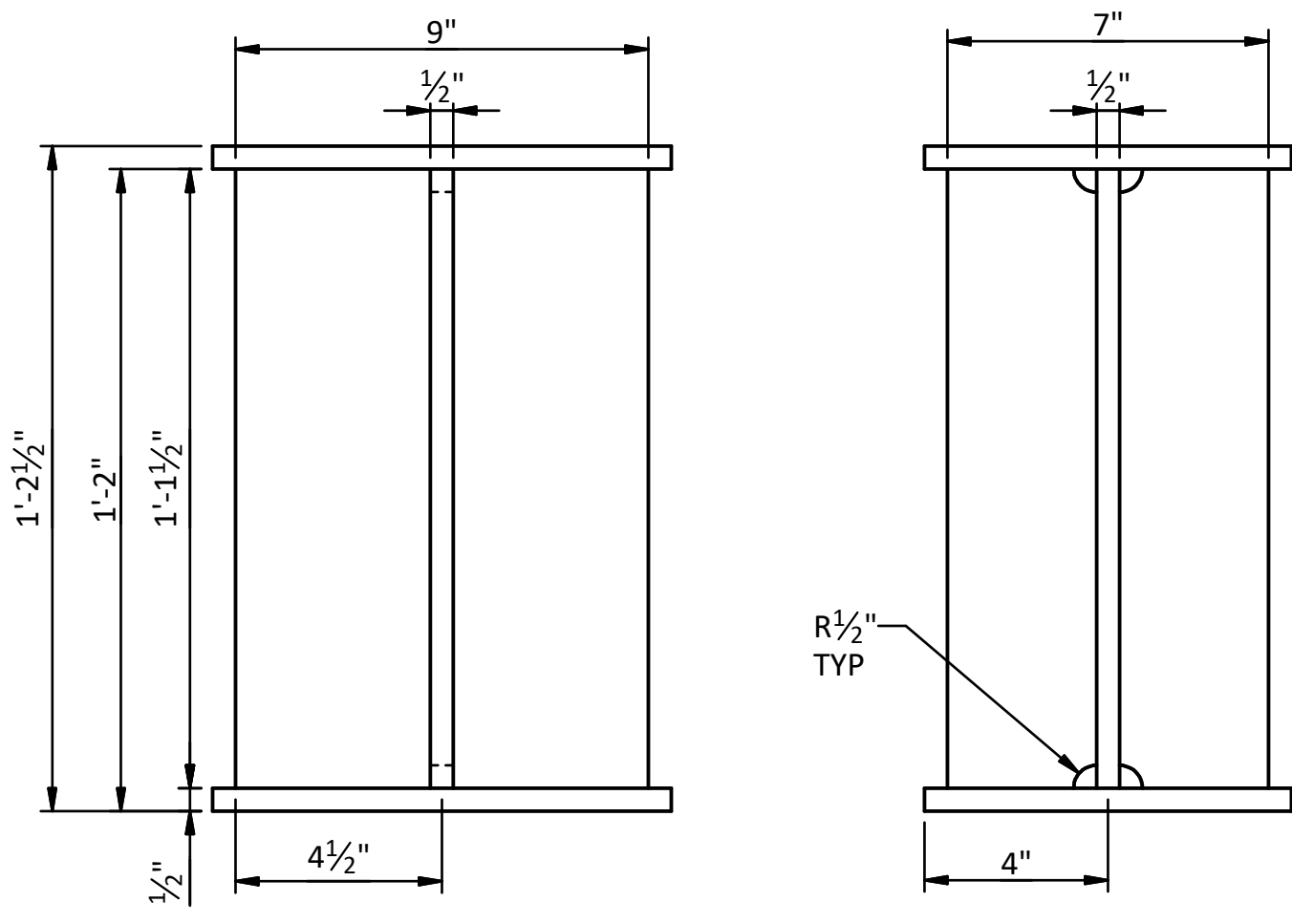
3 7 INCH SHEAVE
SCALE: 6" = 1'-0"



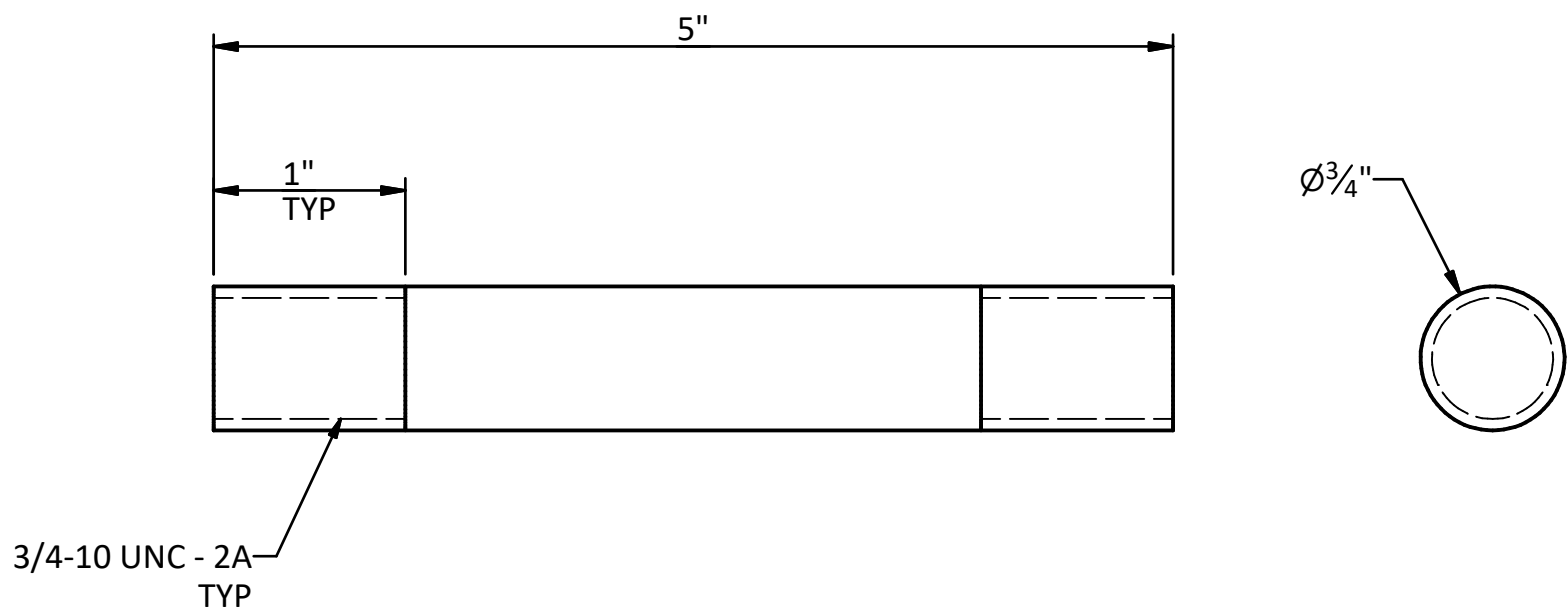
ACTUATOR ADAPTOR ASSEMBLY
SCALE: NTS



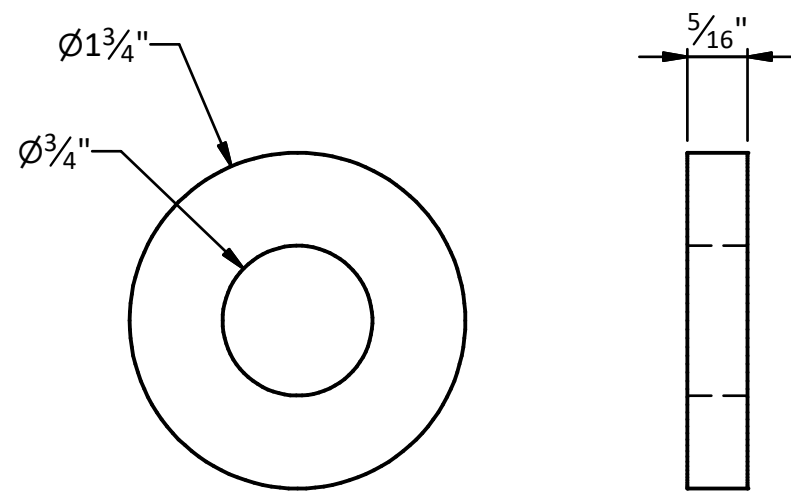
4 BEARING PEDESTAL
SCALE: 3" = 1'-0"



5 GEARBOX PEDESTAL
SCALE: 3" = 1'-0"



6 SHEAVE PIN
SCALE: 3" = 1'-0"



7 SHEAVE SPACING WASHER
SCALE: 3" = 1'-0"

REV	DATE	BY	DESCRIPTION
A	06/29/26	RM	PRE-FINAL DESIGN

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING
0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE

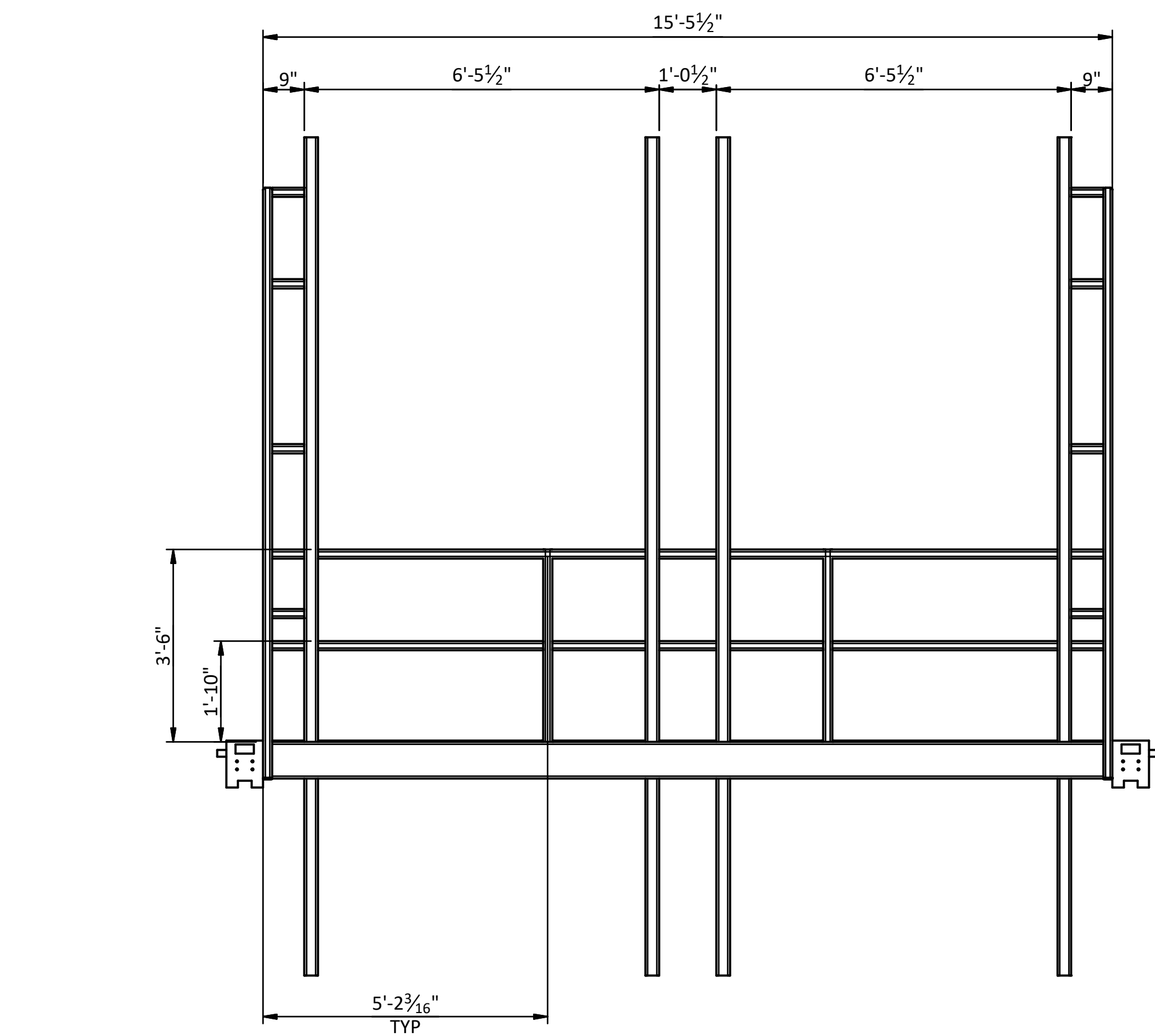


TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT

LOWER RACEWAY CROWDER
DRIVE SYSTEM DETAILS 2

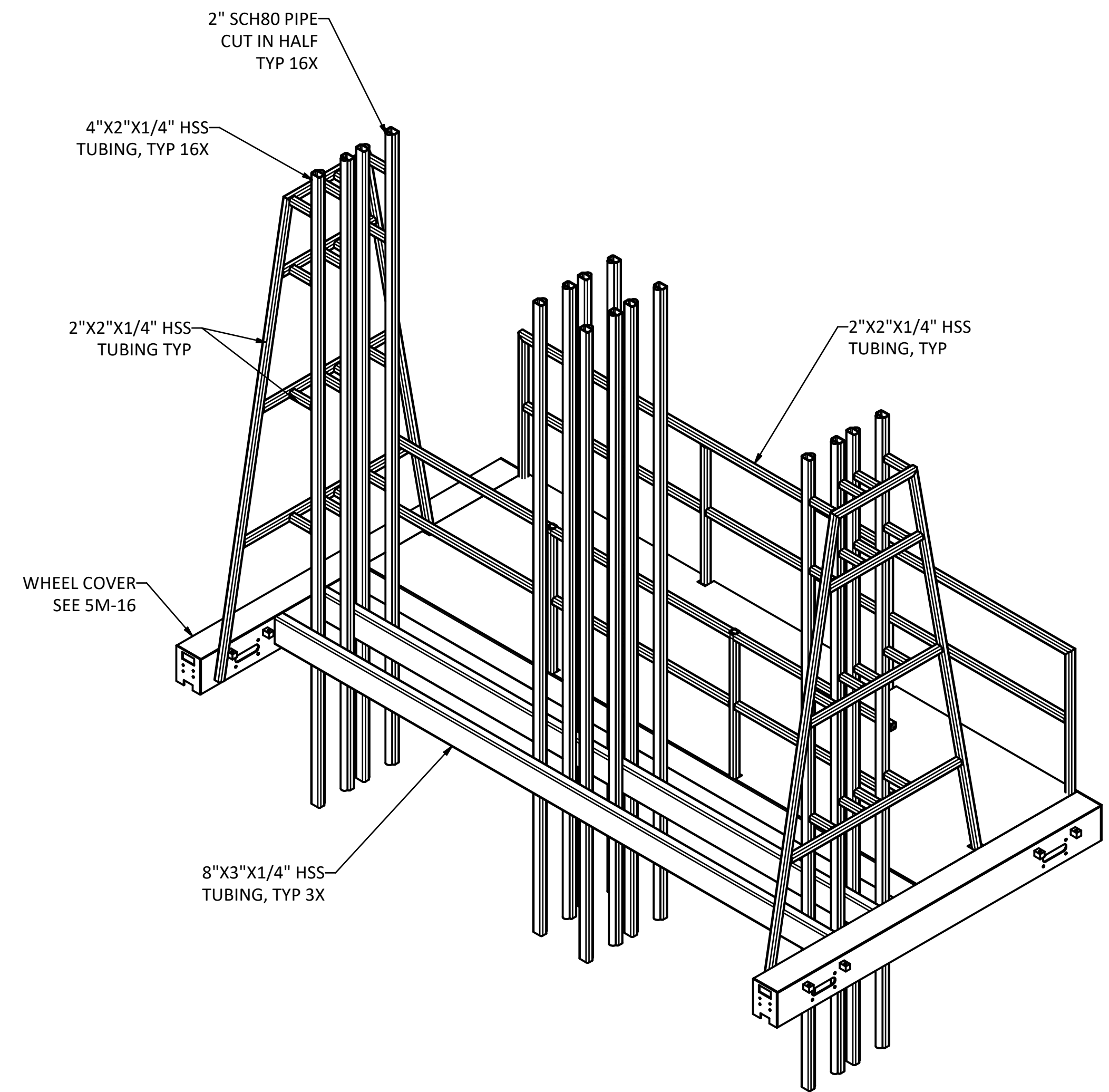
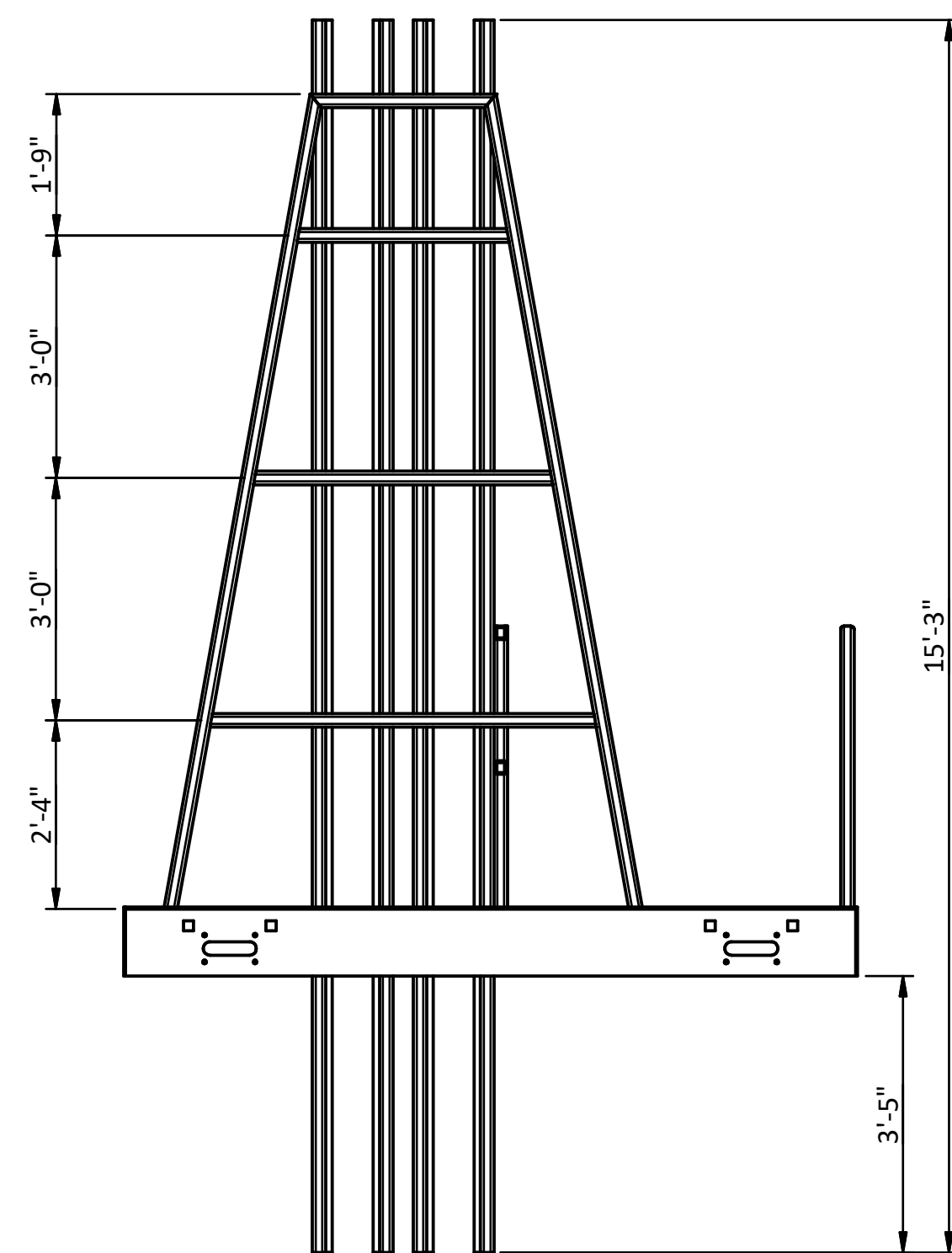
DESIGNED M. RIETZE
DRAWN M. RIETZE
CHECKED J. DALLAS
PROJECT DATE 06/29/26

DRAWING
5M-17



CROWDER FRAME WELDMENT

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



CROWDER FRAME ISO
SCALE: NTS

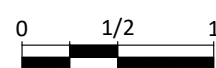
SHEET NOTES:

1. WELD IN ACCORDANCE WITH AWS D1.1

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING



IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE



TULALIP TRIBES

TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT

LOWER RACEWAY CROWDER
FRAME WELDMENT 1

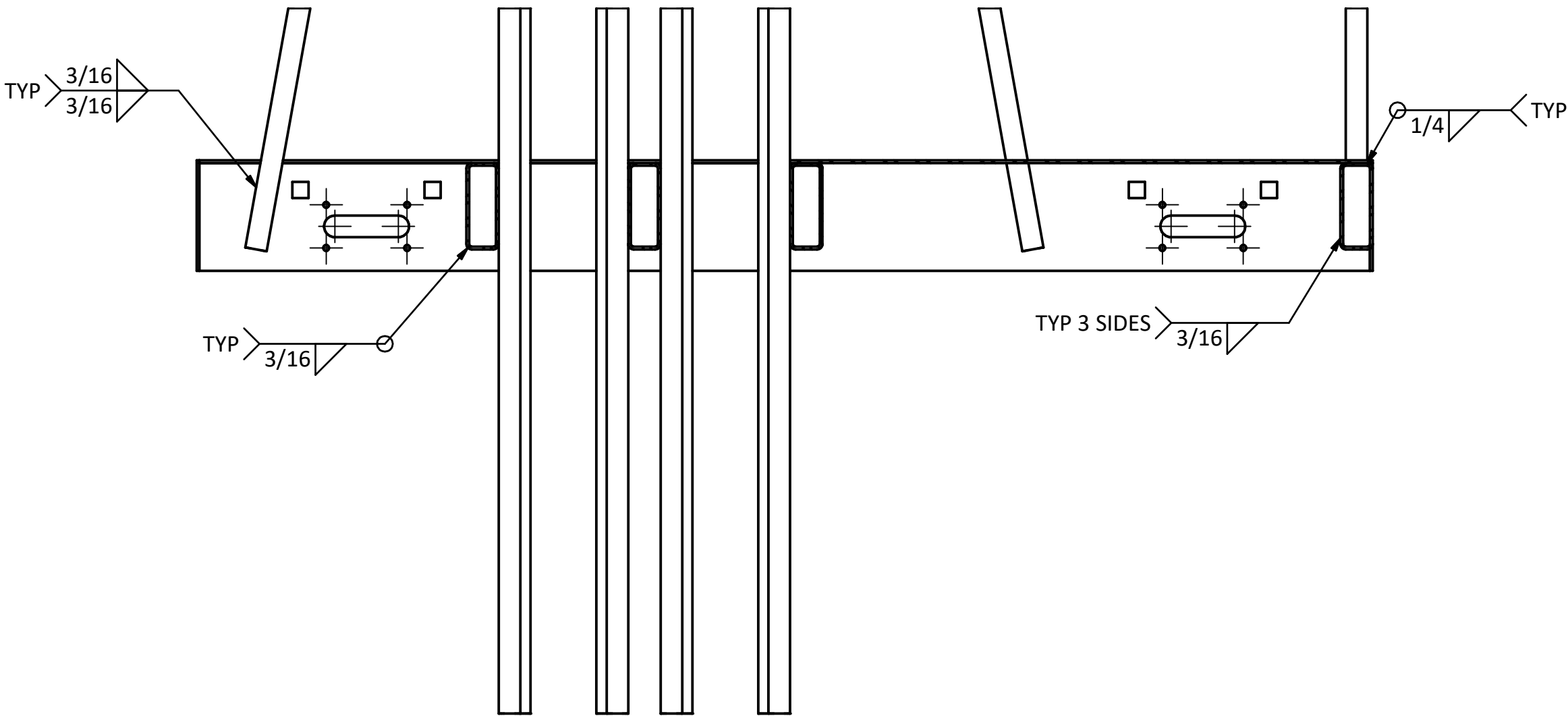
DESIGNED _____ M. RIETZE
DRAWN _____ M. RIETZE
CHECKED _____ J. DALLAS
PROJECT DATE 06/29/26

DRAWING

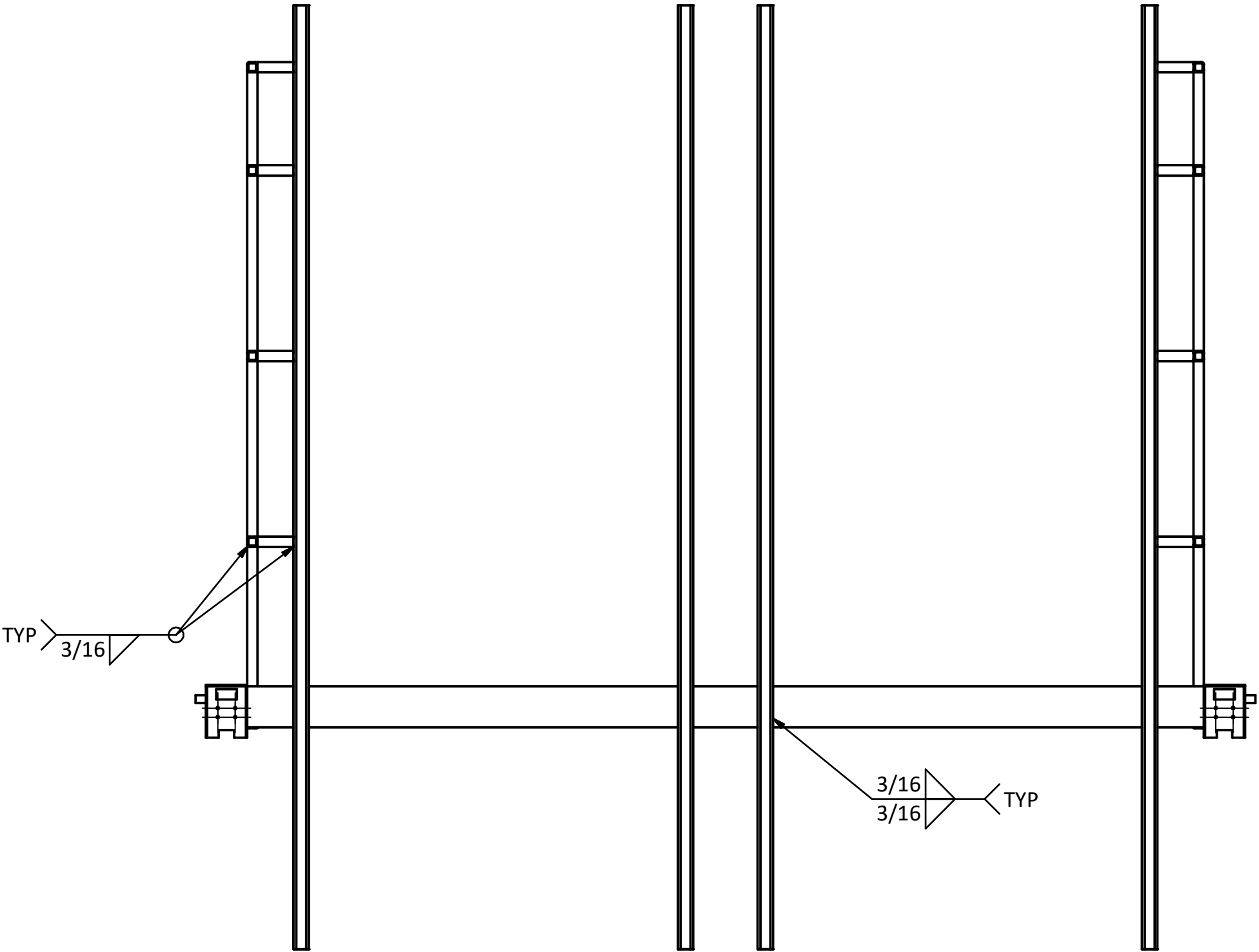
5M-18

SHEET NOTES:

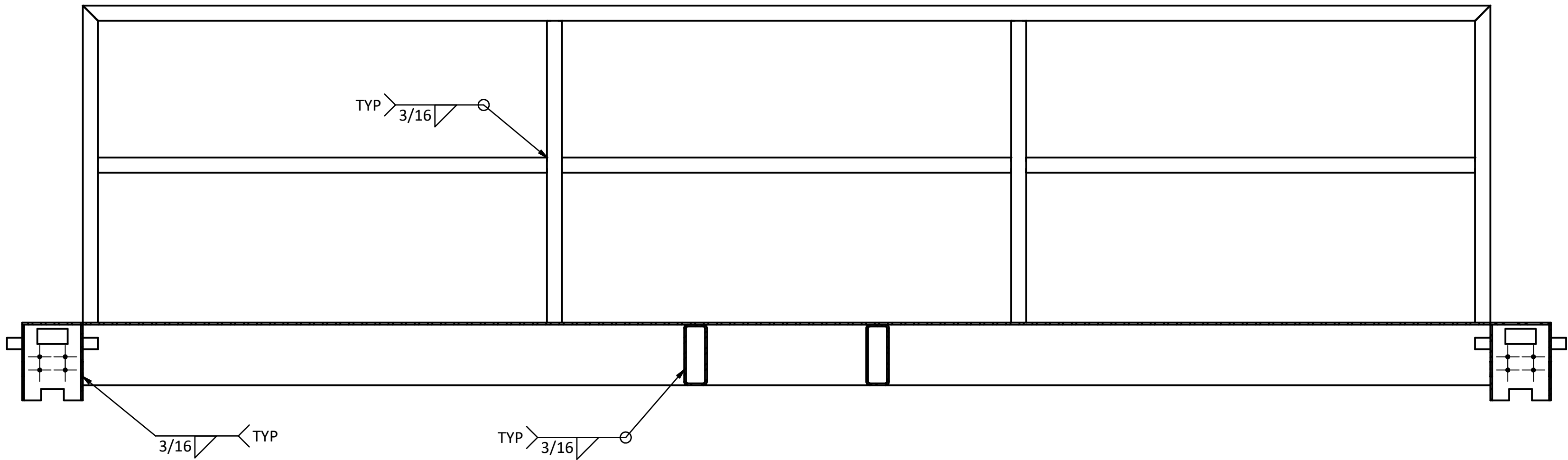
1. WELD IN ACCORDANCE WITH AWS D1.1



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



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



C SECTION
- SCALE: 1" = 1'-0"

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING
0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE

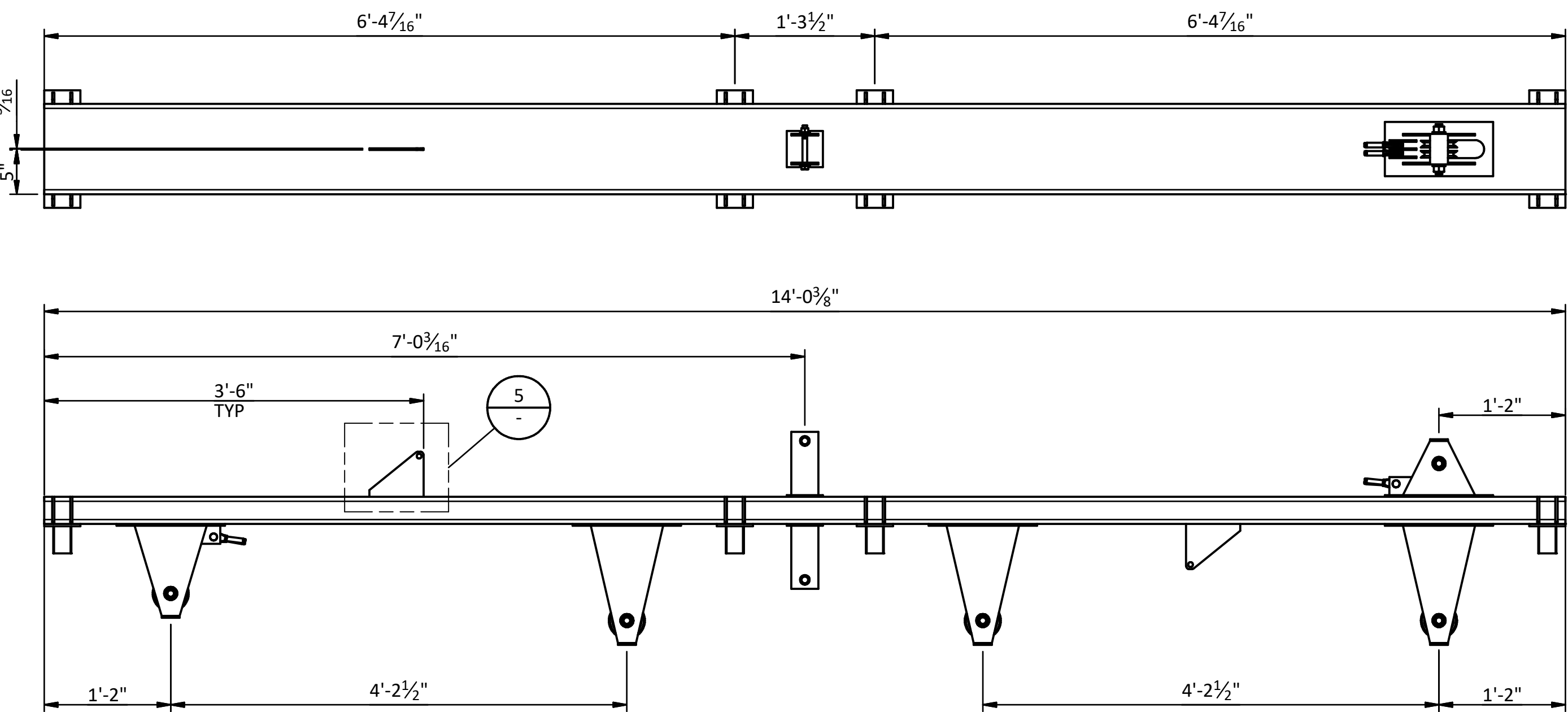


TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT

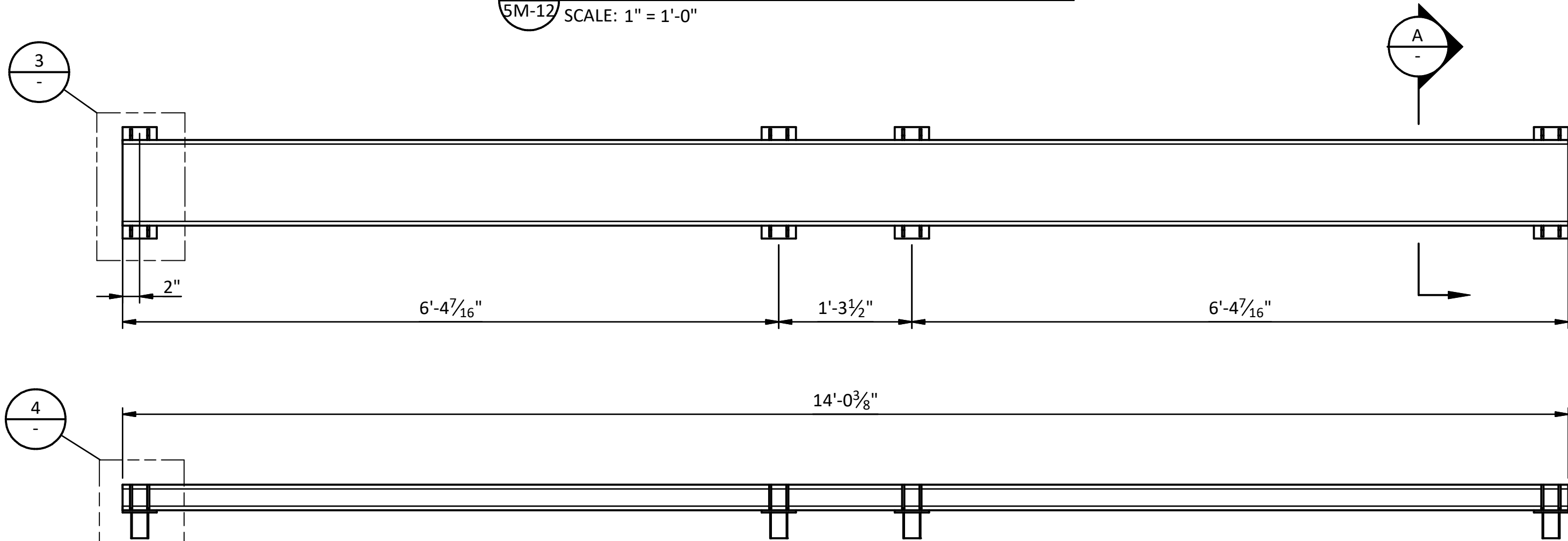
LOWER RACEWAY CROWDER
FRAME WELDMENT 2

DESIGNED M. RIETZE
DRAWN M. RIETZE
CHECKED J. DALLAS
PROJECT DATE 06/29/26

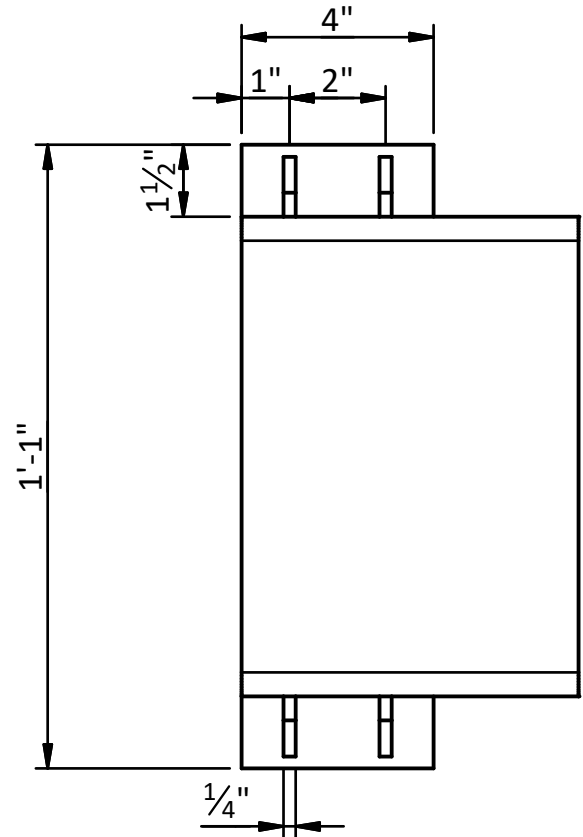
DRAWING
5M-19



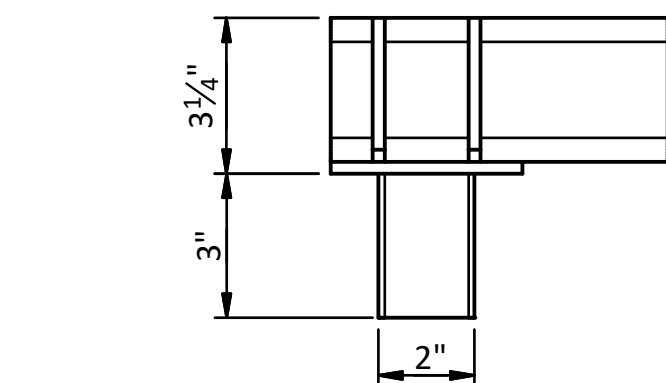
1 CROSS BAR 1
5M-12 SCALE: 1" = 1'-0"



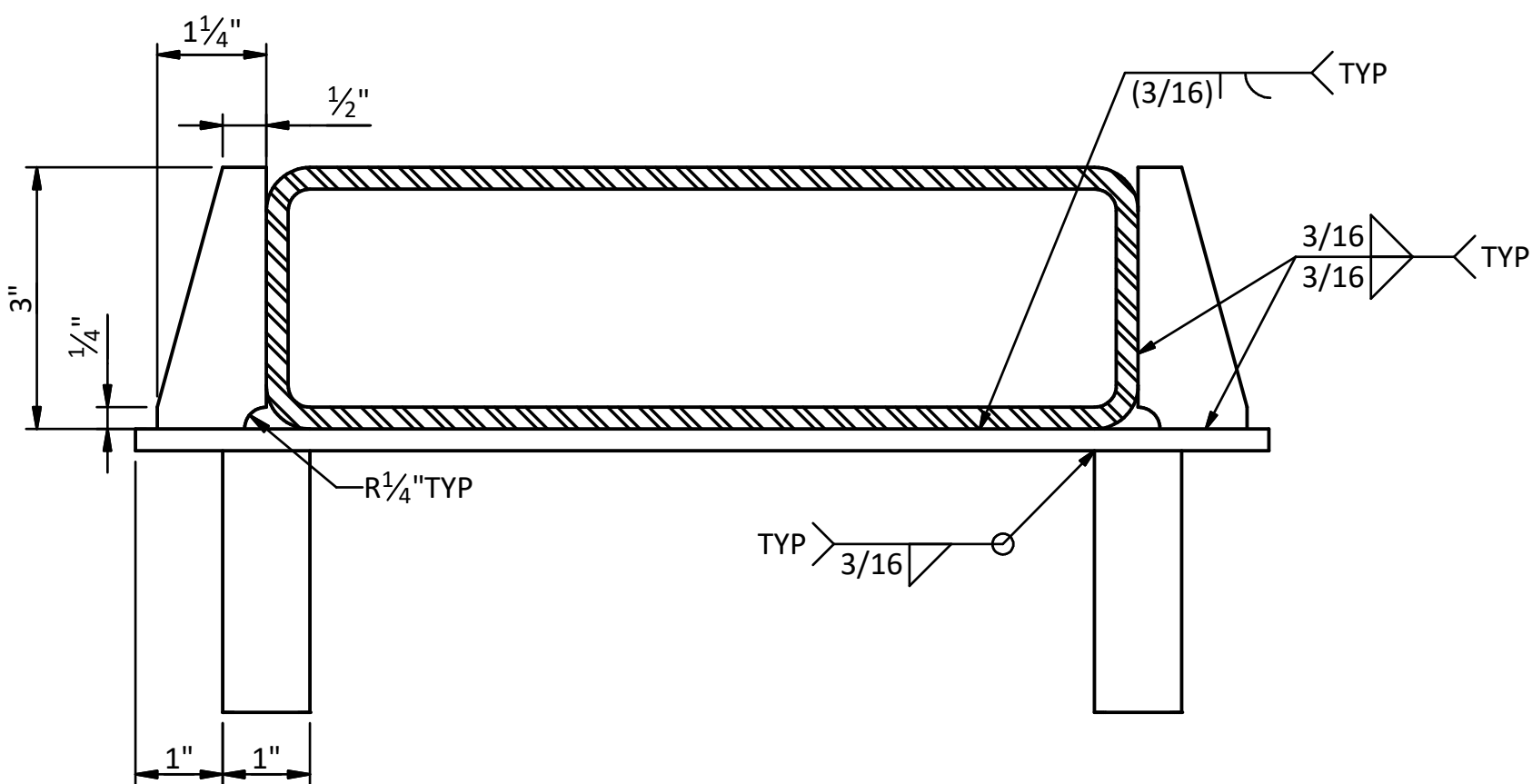
2 CROSS BAR 2
5M-12 SCALE: 1" = 1'-0"



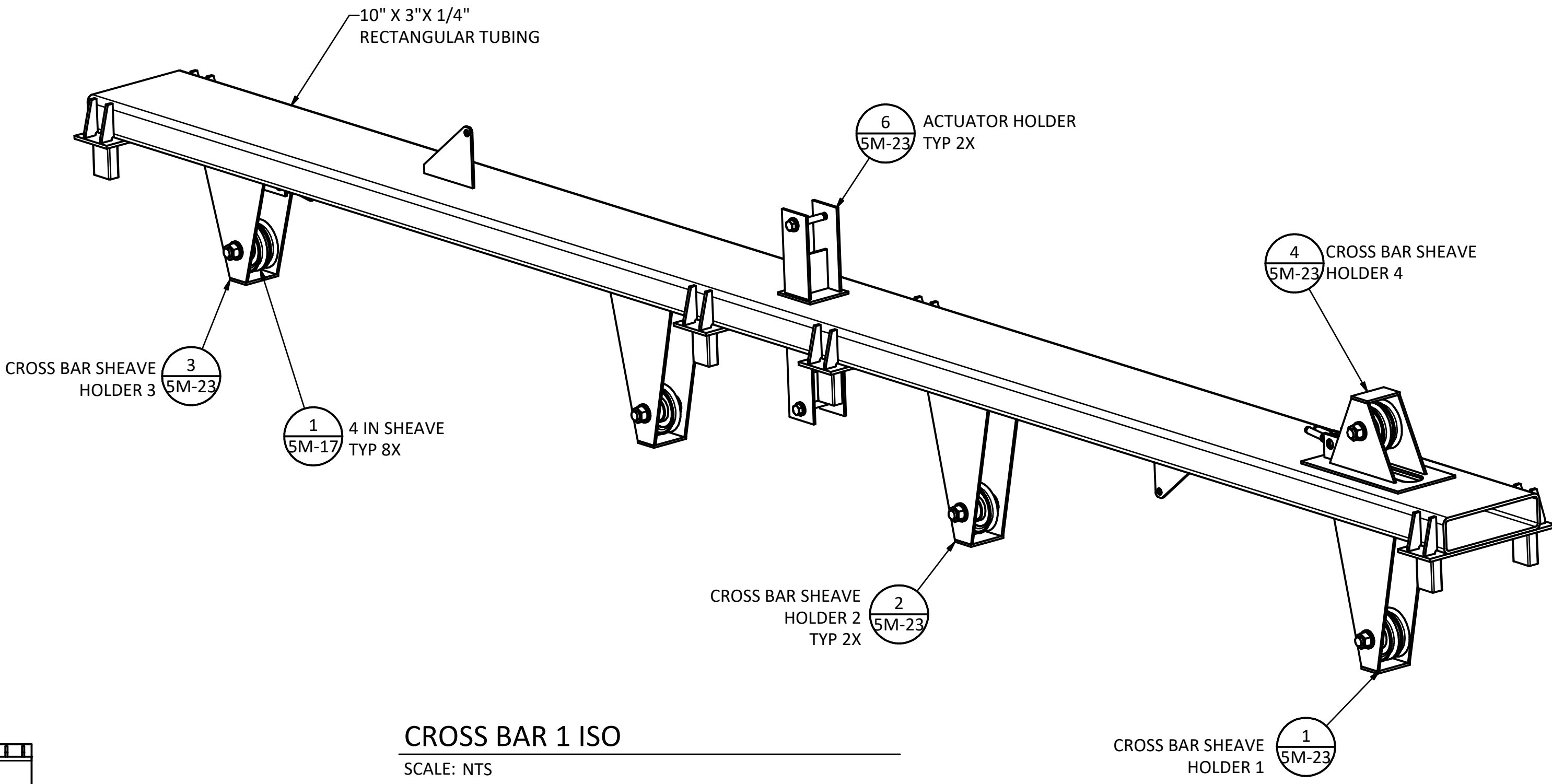
3 DETAIL
SCALE: 3" = 1'-0"



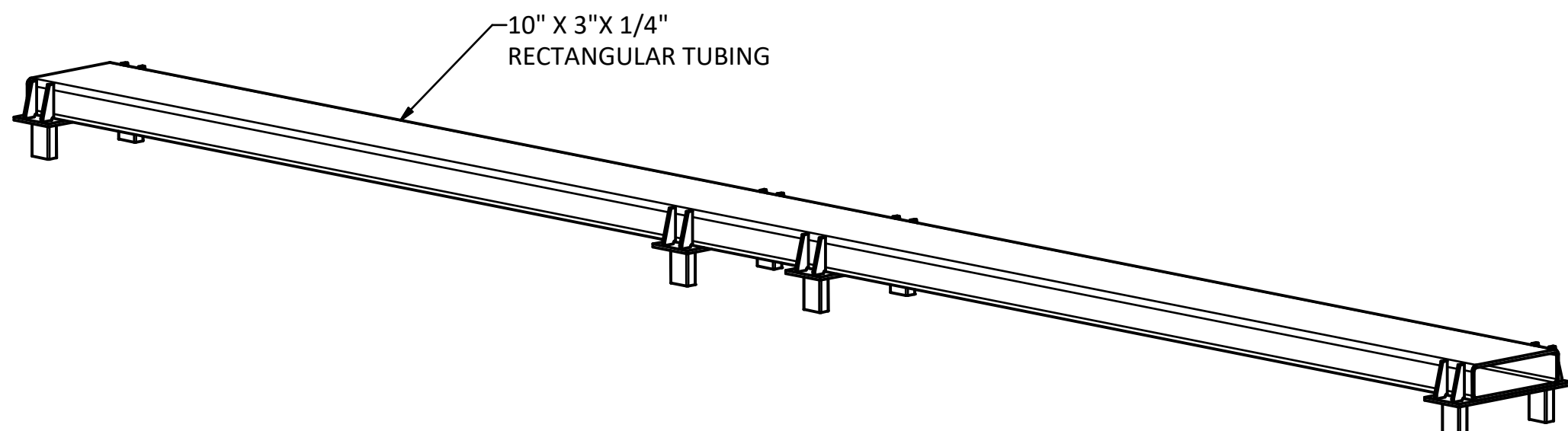
4 DETAIL
SCALE: 3" = 1'-0"



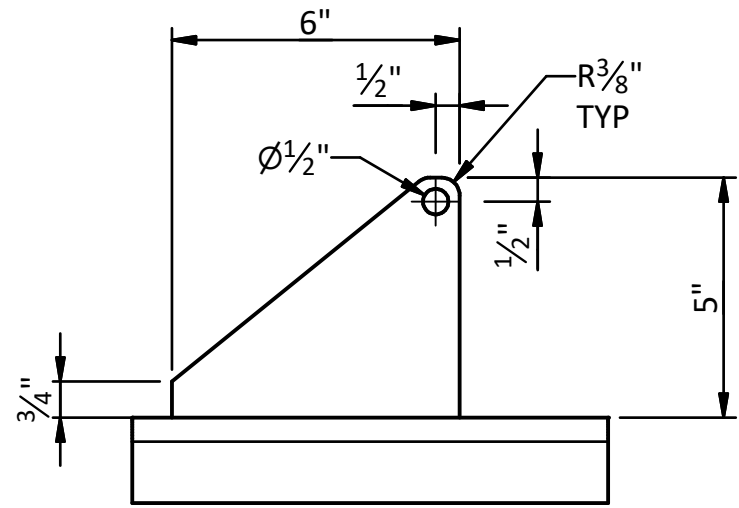
A SECTION
SCALE: 6" = 1'-0"



CROSS BAR 1 ISO
SCALE: NTS



CROSS BAR 2 ISO
SCALE: NTS



5 DETAIL
SCALE: 3" = 1'-0"

SHEET NOTES:
1. WELD IN ACCORDANCE WITH AWS D1.1

A	06/29/26	RM	PRE-FINAL DESIGN	
REV	DATE	BY	DESCRIPTION	

PRELIMINARY
NOT FOR CONSTRUCTION

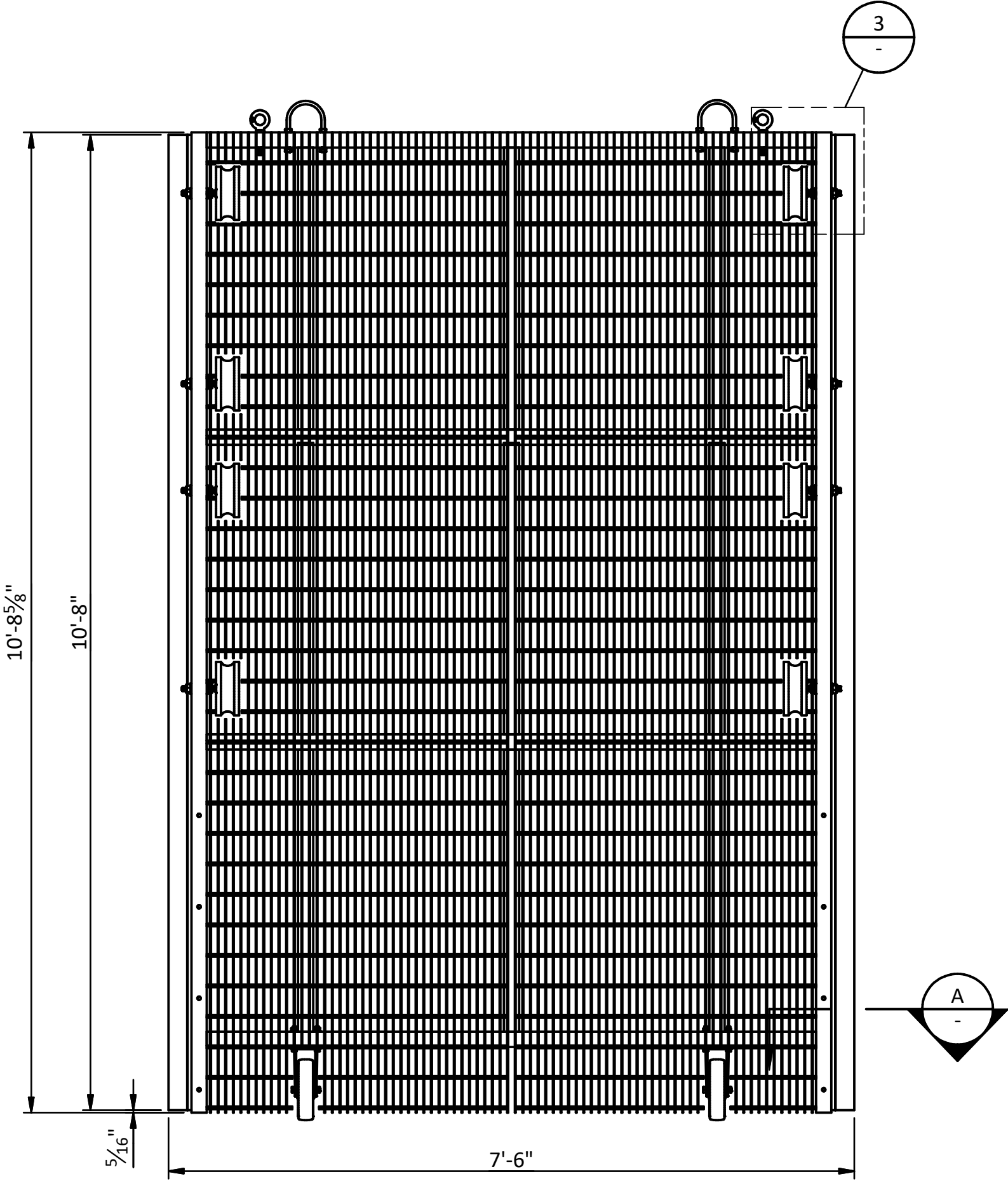
WARNING
0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE



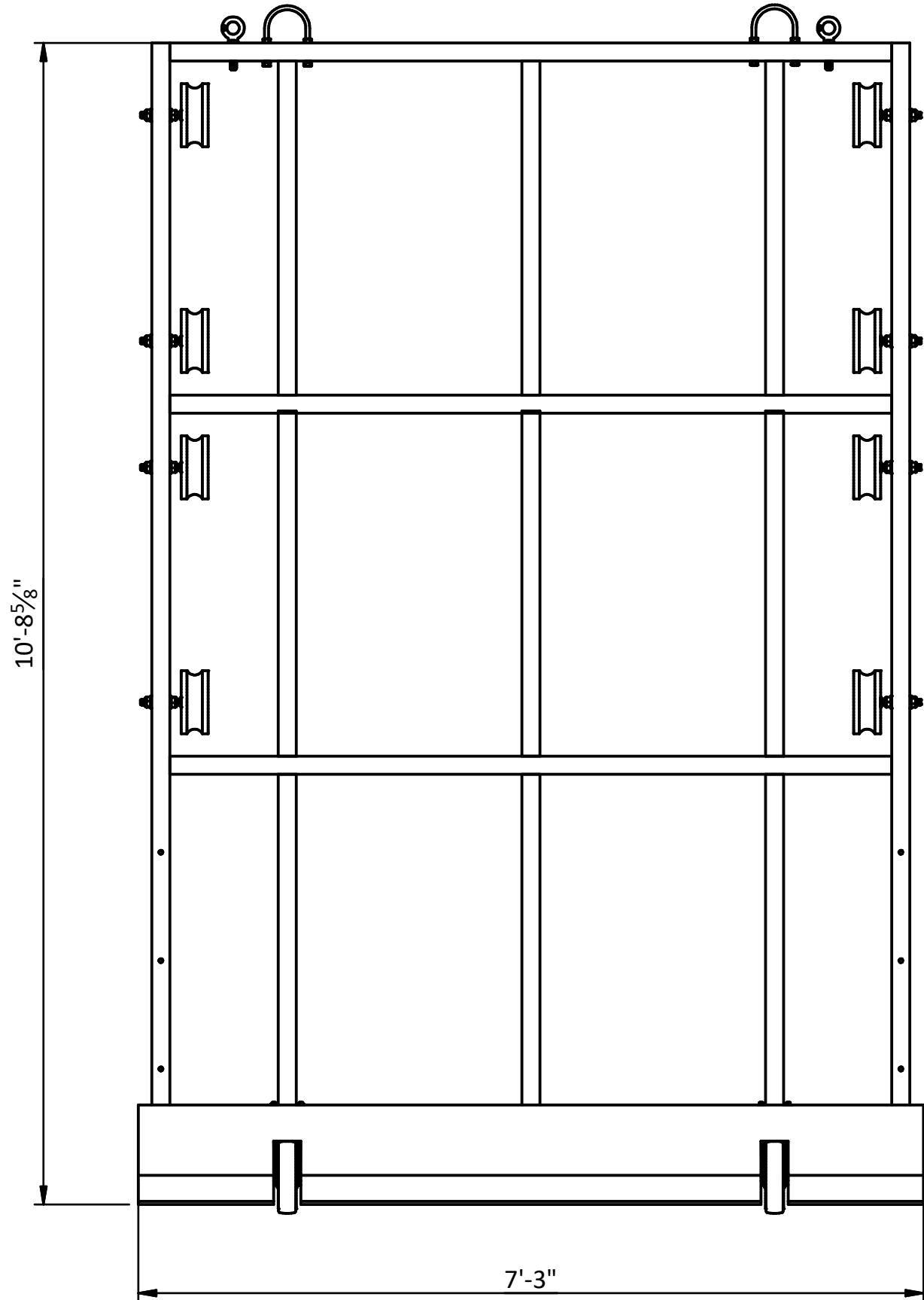
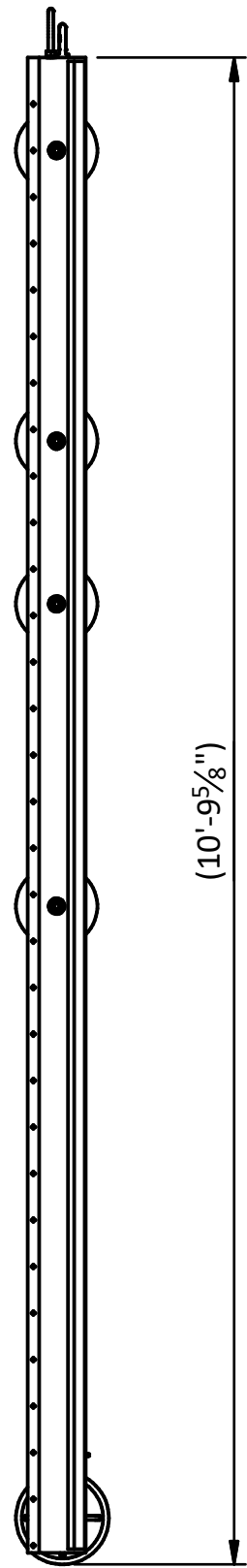
TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT
LOWER RACEWAY CROWDER
FRAME DETAILS

DESIGNED M. RIETZE
DRAWN M. RIETZE
CHECKED J. DALLAS
PROJECT DATE 06/29/26

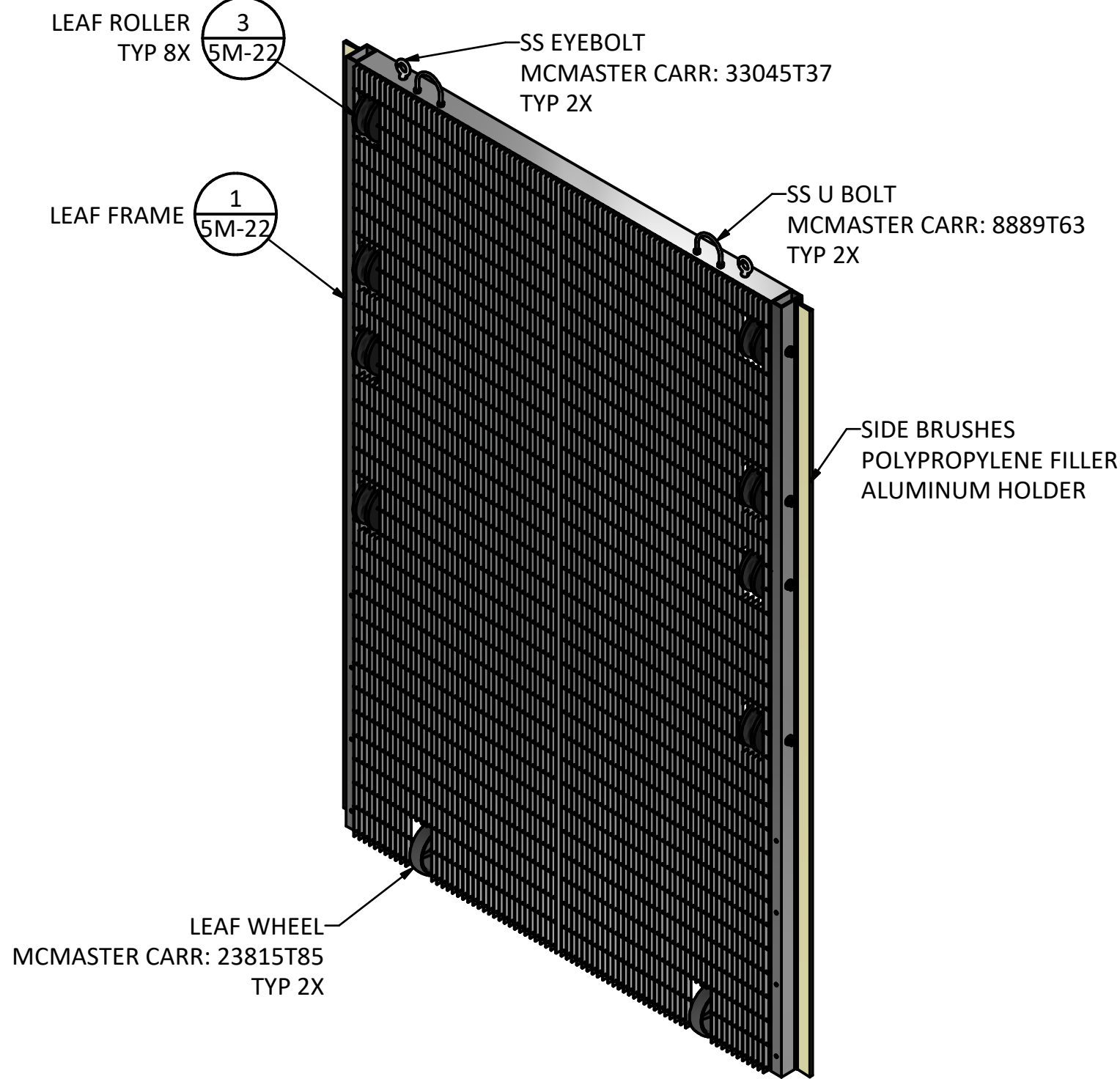
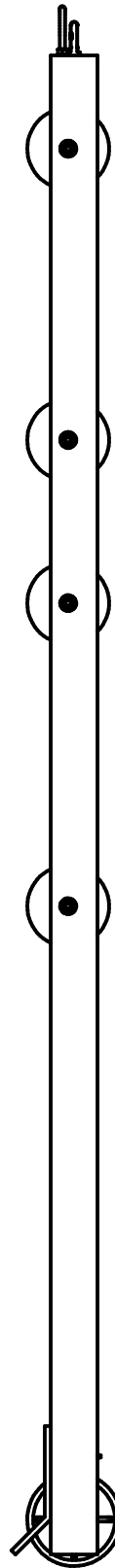
DRAWING
5M-20



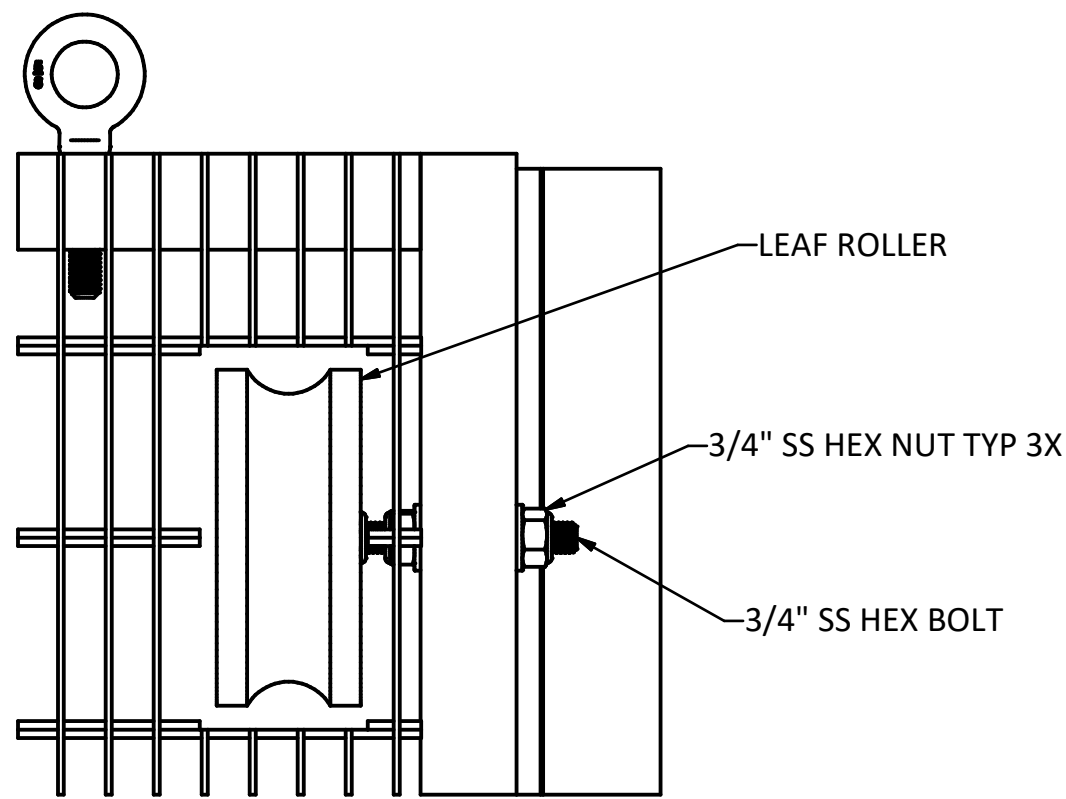
1 CROWDER LEAF ASSEMBLY
5M-12 SCALE: 3/4" = 1'-0"



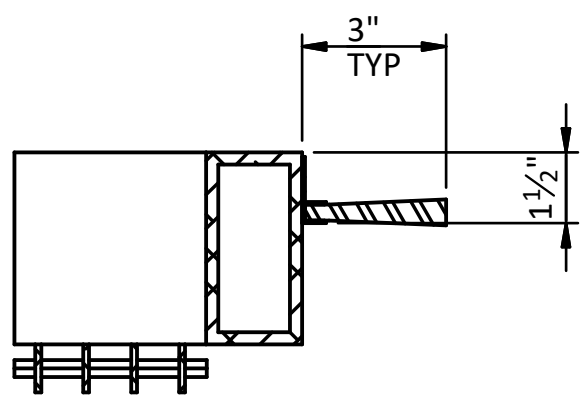
2 SCRAPER LEAF ASSEMBLY
5M-12 SCALE: 3/4" = 1'-0"



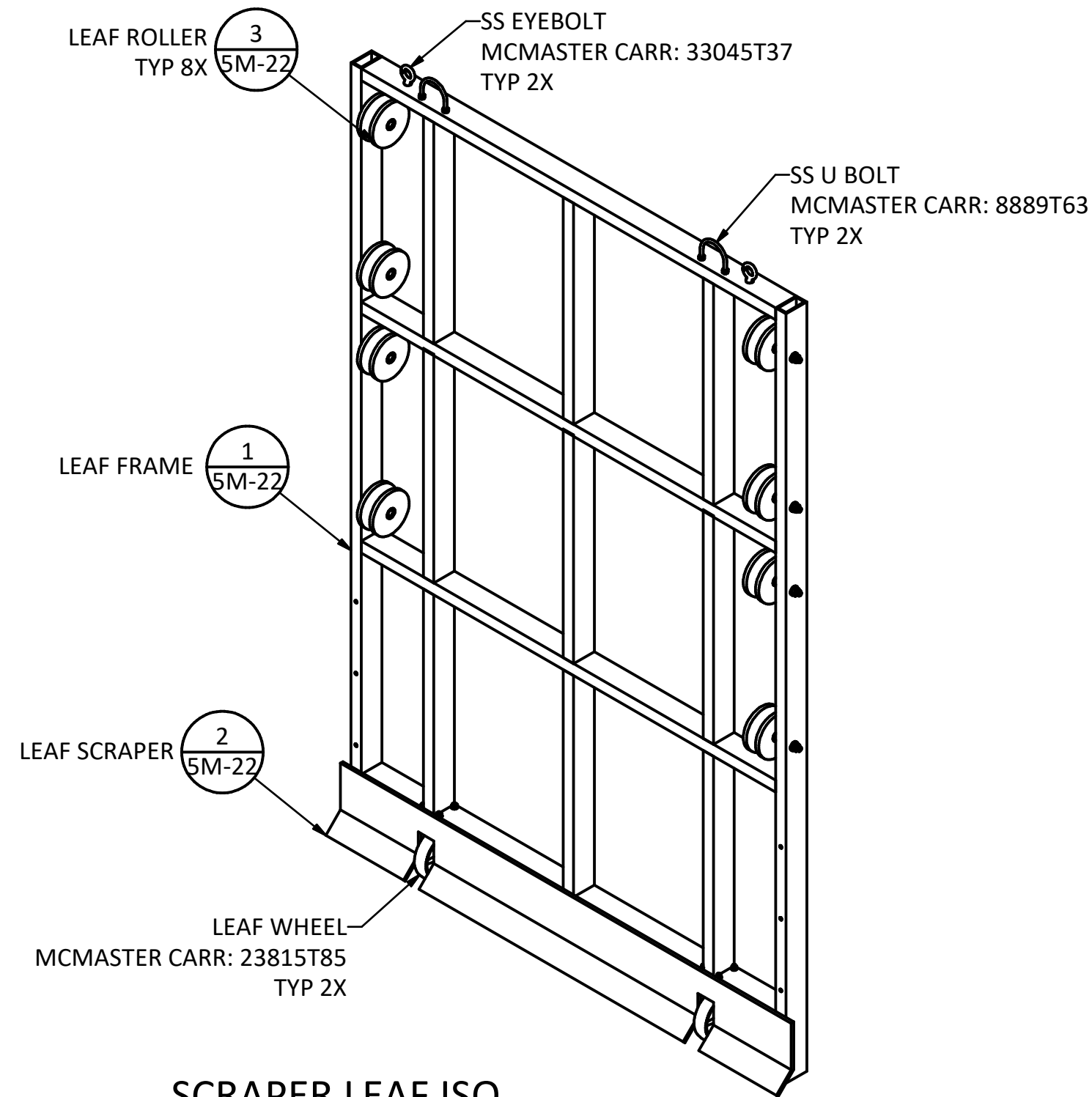
CROWDER LEAF ISO
SCALE: NTS



3 DETAIL
SCALE: 3" = 1'-0"



A SECTION
SCALE: 3" = 1'-0"



SCRAPER LEAF ISO
SCALE: NTS

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING
0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE



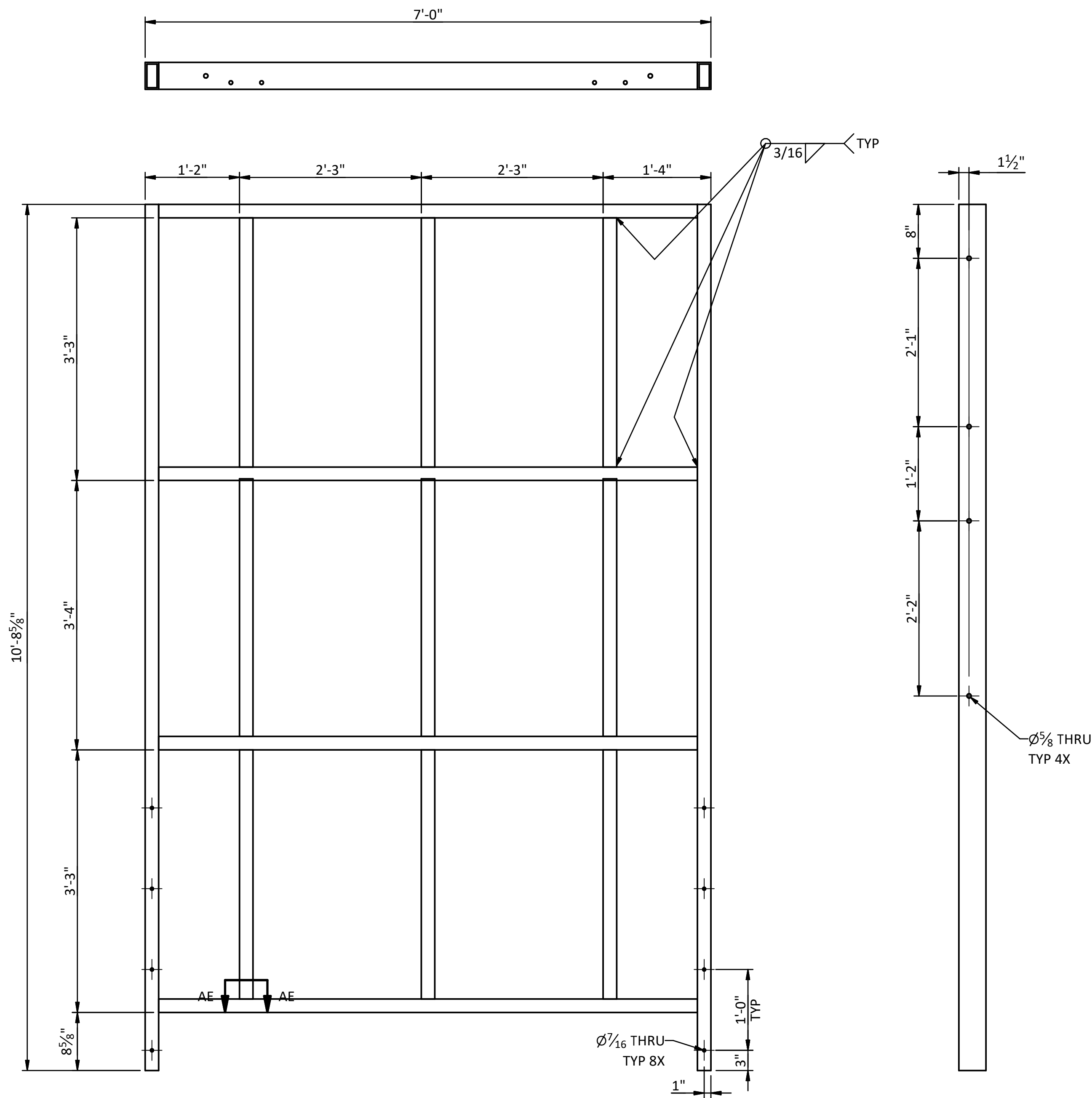
TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT

LOWER RACEWAY CROWDER
LEAF ASSEMBLY

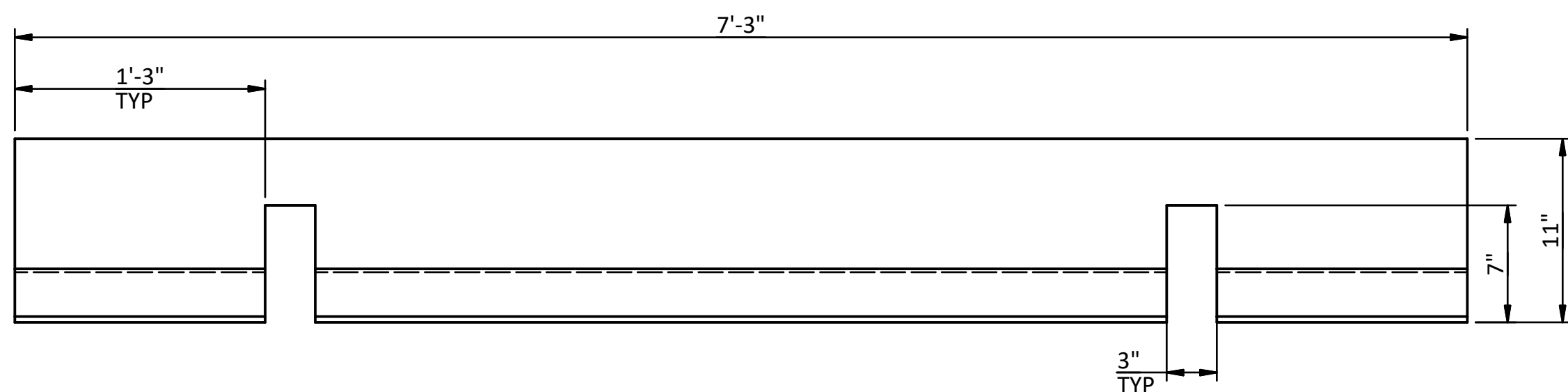
DESIGNED M. RIETZE
DRAWN M. RIETZE
CHECKED J. DALLAS
PROJECT DATE 06/29/26

DRAWING
5M-21

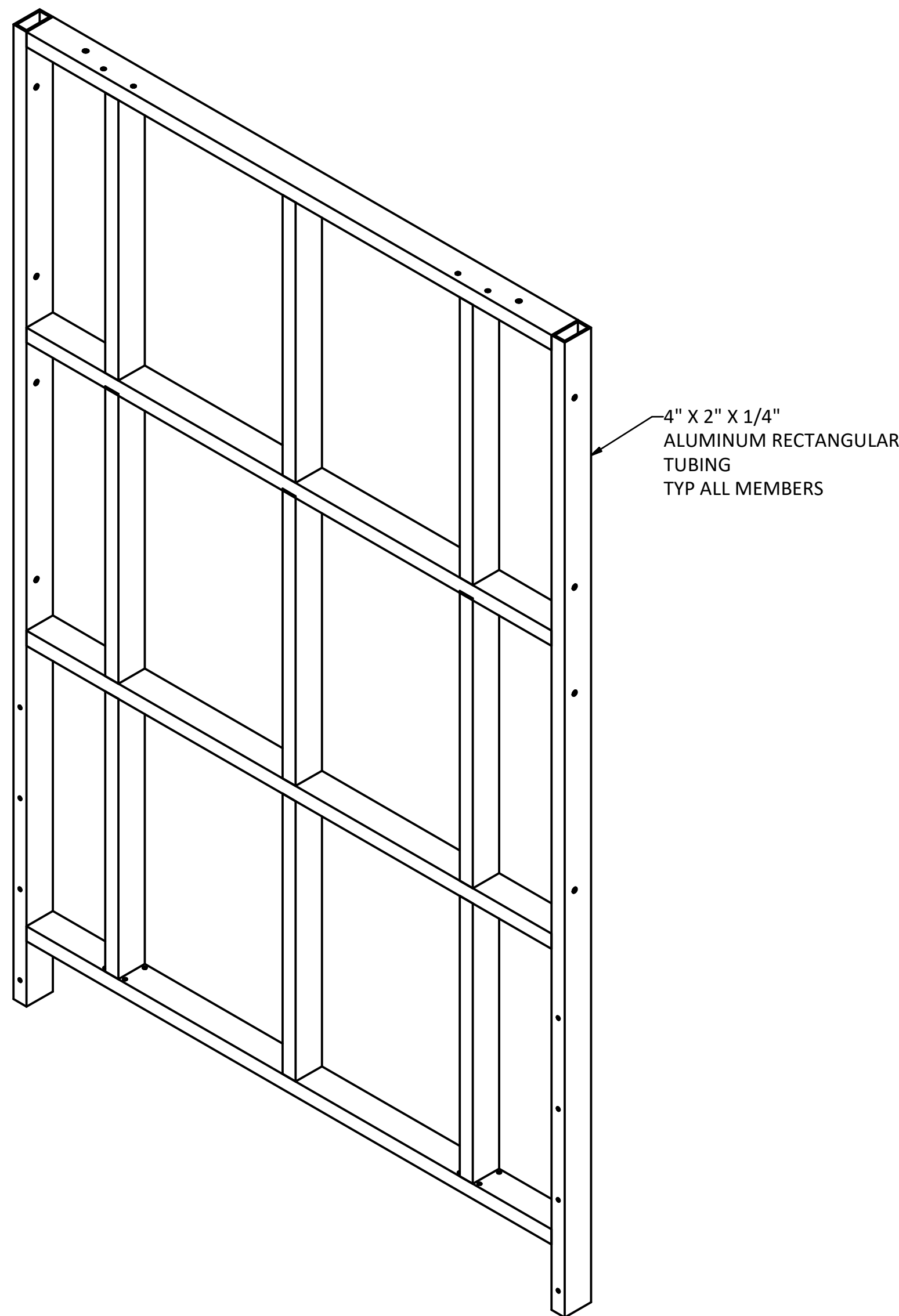
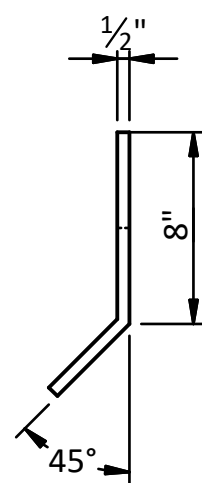
- SHEET NOTES:
- WELD IN ACCORDANCE WITH AWS D1.2



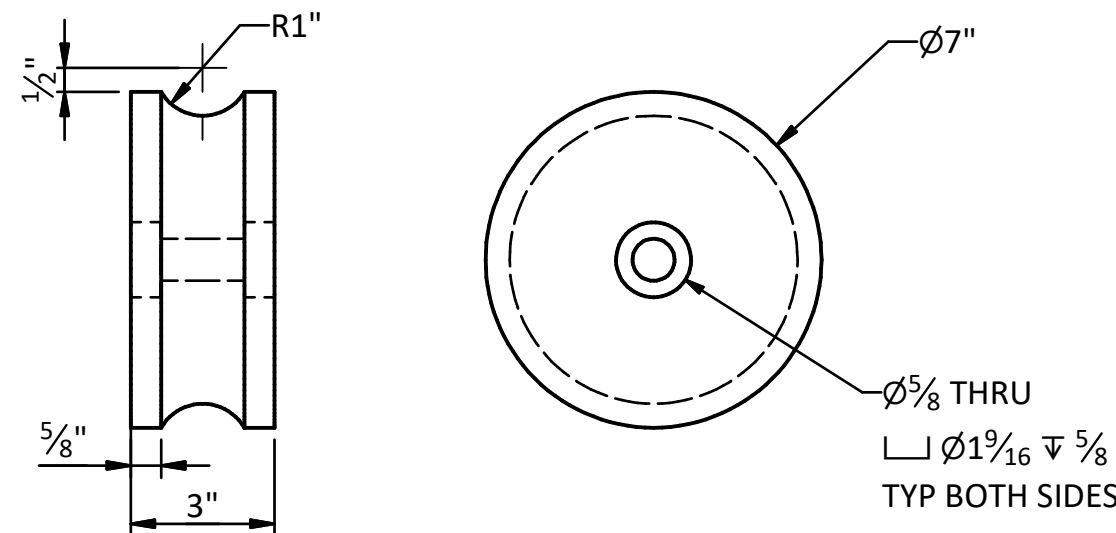
1 LEAF FRAME WELDMENT
5M-21 SCALE: 1" = 1'-0"



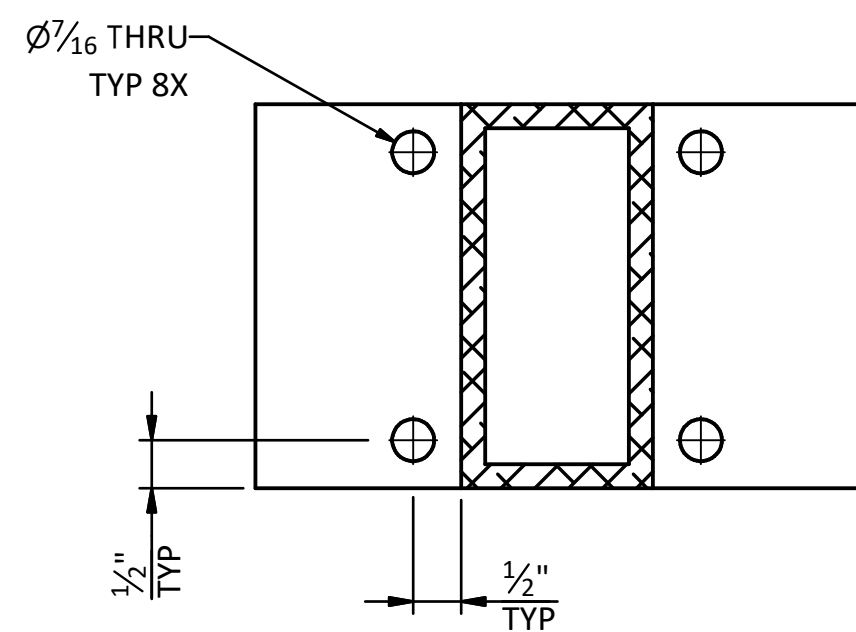
2 LEAF SCRAPER
5M-21 SCALE: 1 1/2" = 1'-0"



LEAF FRAME WELDMENT ISO
SCALE: NTS



3 LEAF ROLLER
5M-21 SCALE: 3" = 1'-0"



A SECTION
- SCALE: 6" = 1'-0"

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING
0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE



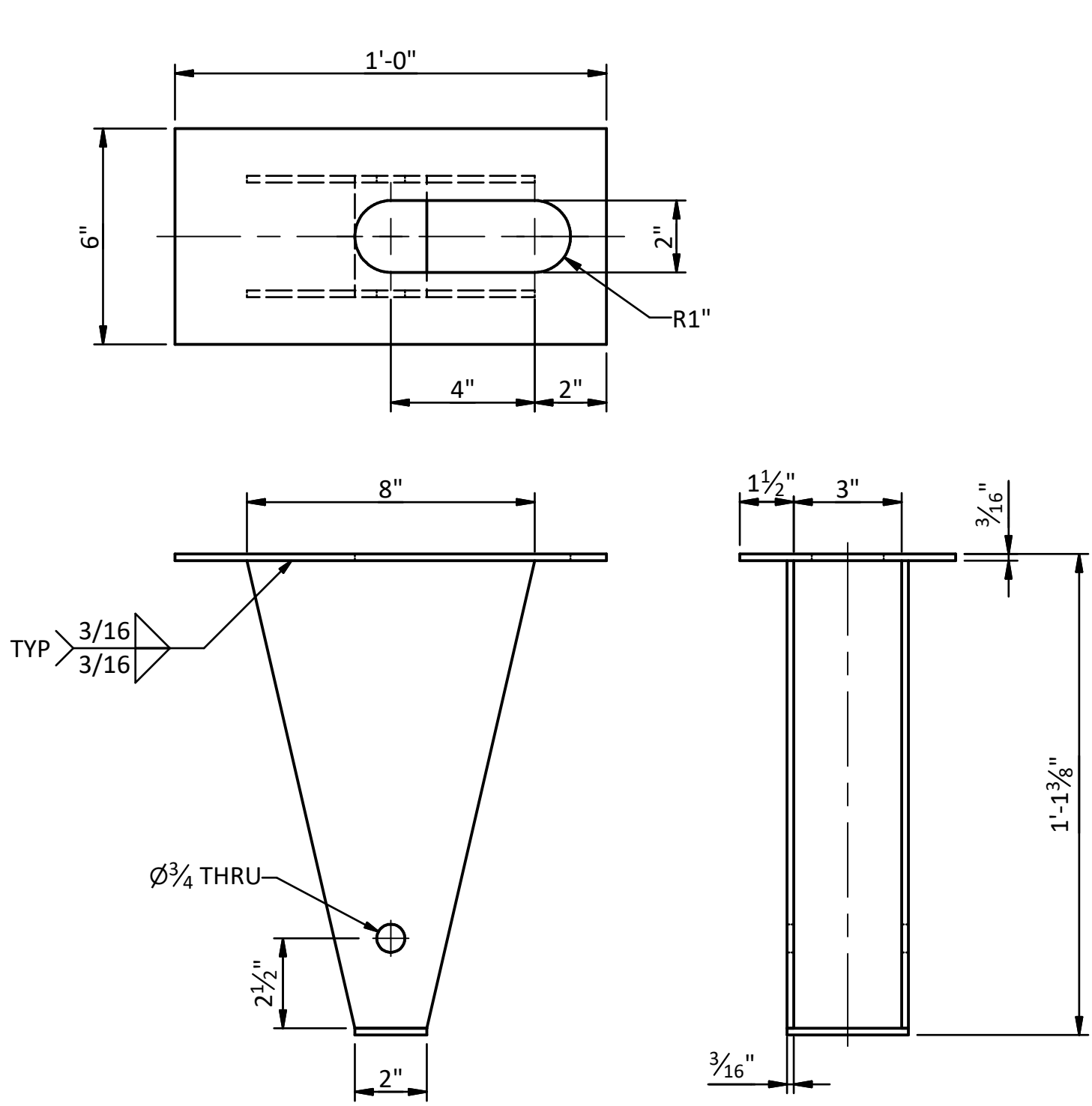
TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT

LOWER RACEWAY CROWDER
LEAF DETAILS

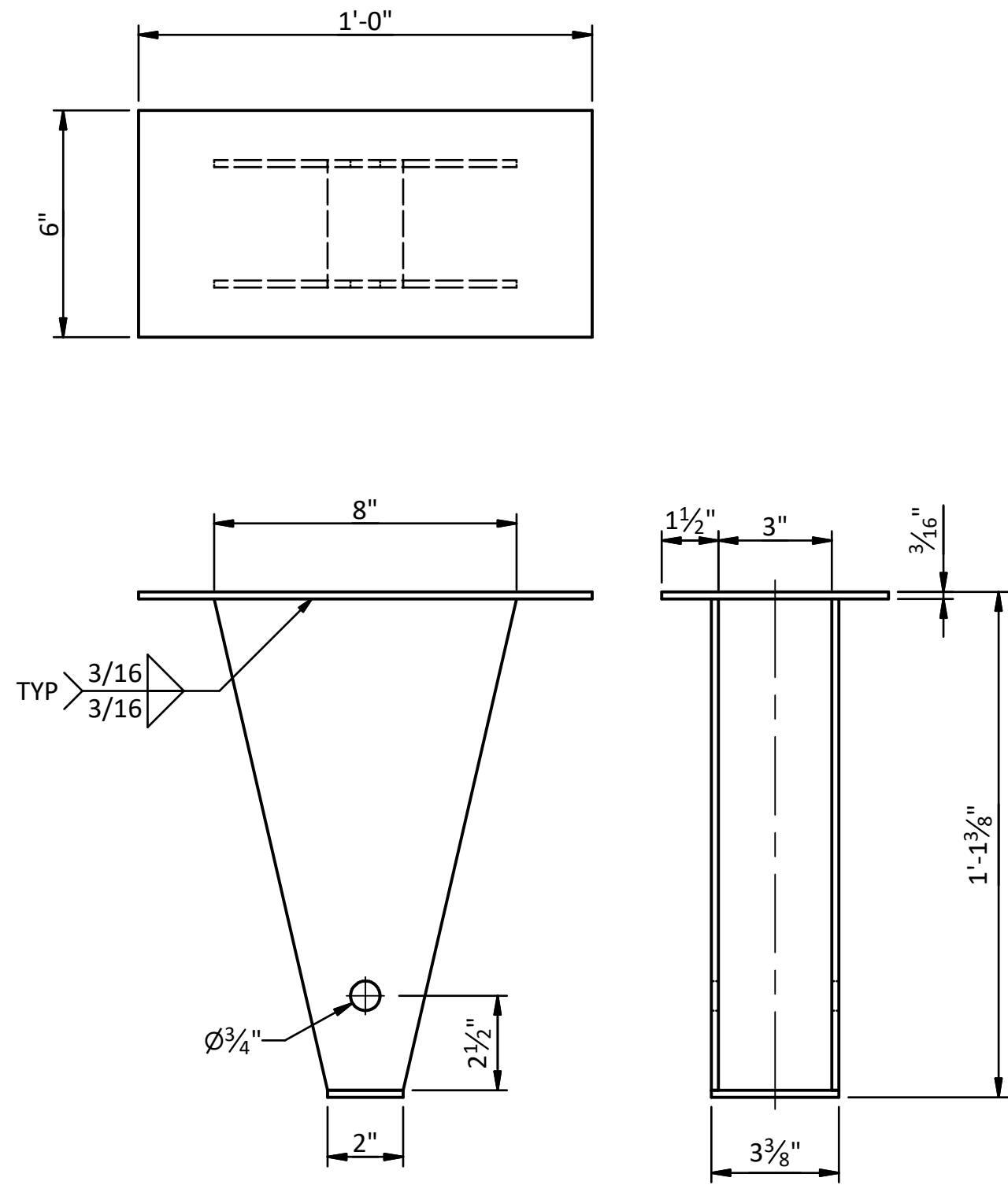
DESIGNED M. RIETZE
DRAWN M. RIETZE
CHECKED J. DALLAS
PROJECT DATE 06/29/26

DRAWING
5M-22

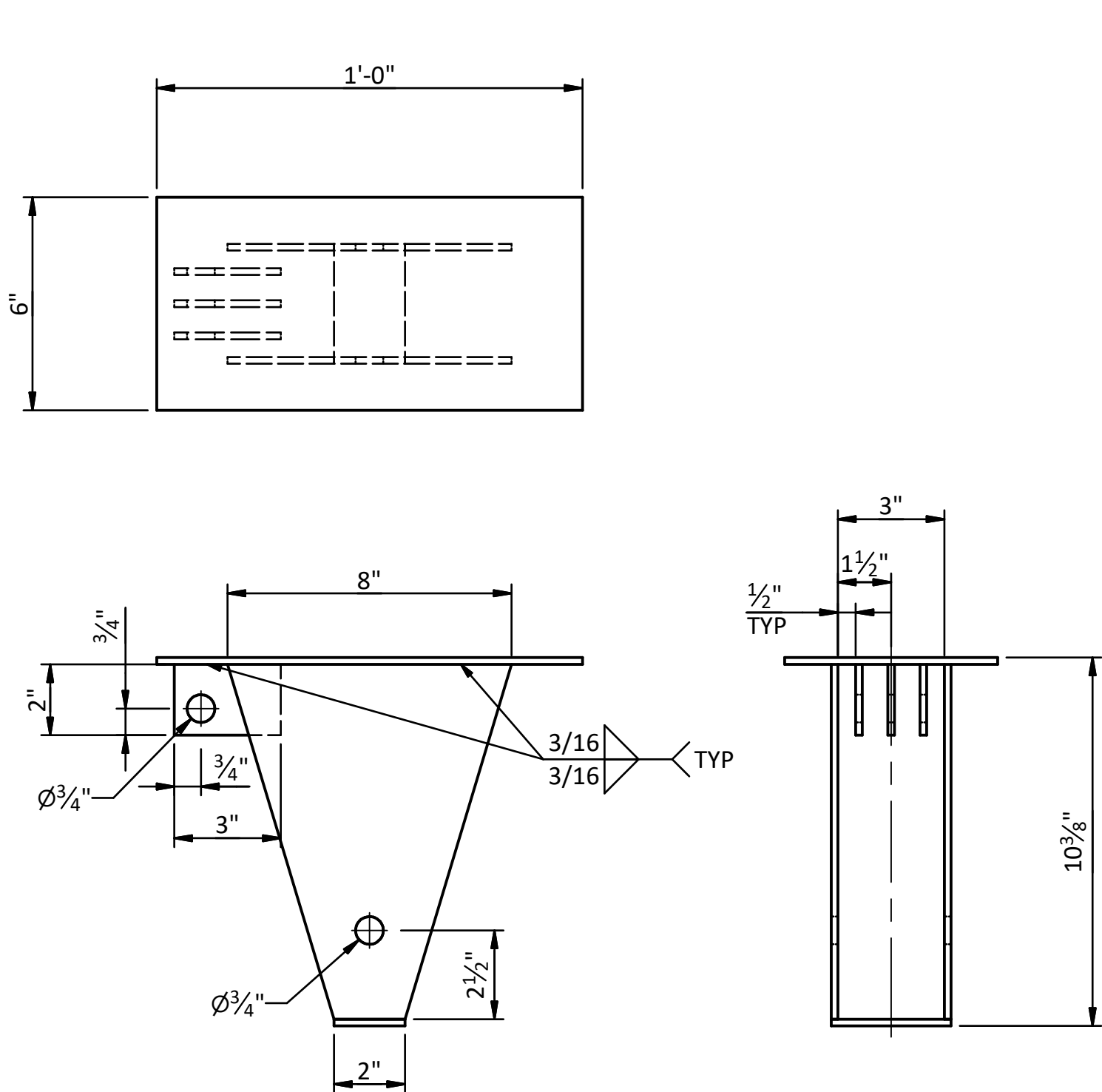
SHEET NOTES:
1. WELD IN ACCORDANCE WITH AWS D1.1



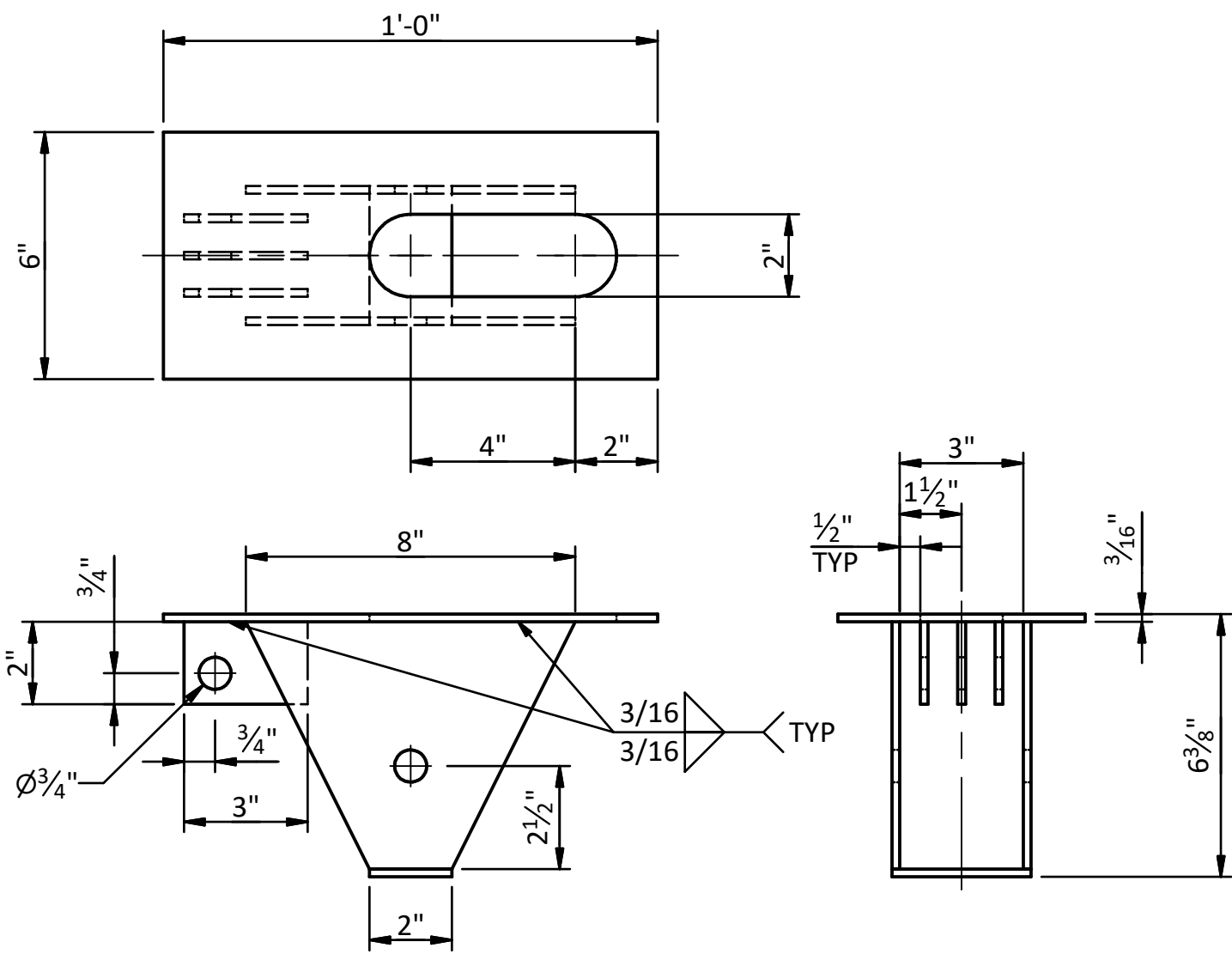
1 CROSS BAR SHEAVE HOLDER 1
5M-20 SCALE: 3" = 1'-0"



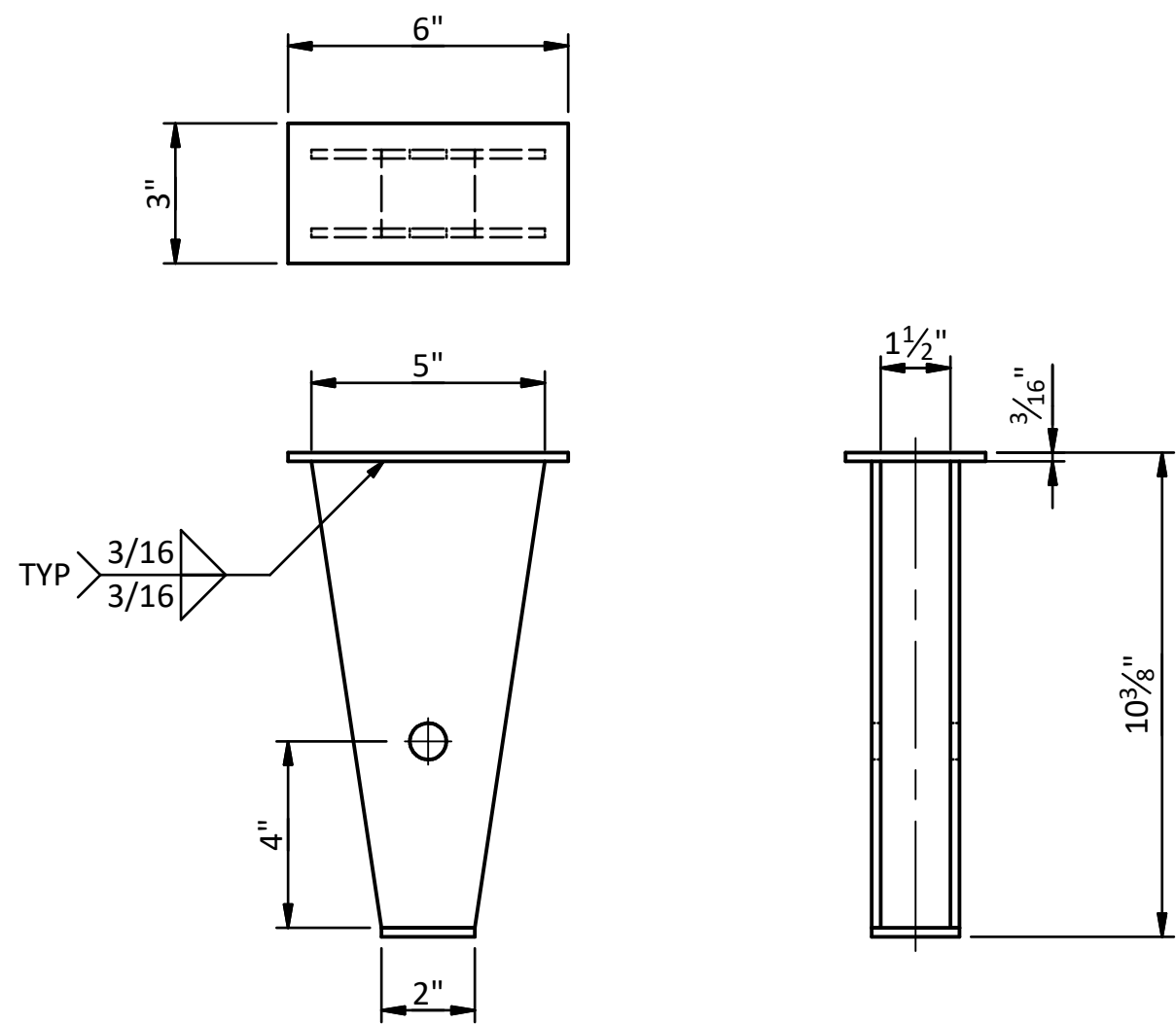
2 CROSS BAR SHEAVE HOLDER 2
5M-20 SCALE: 3" = 1'-0"



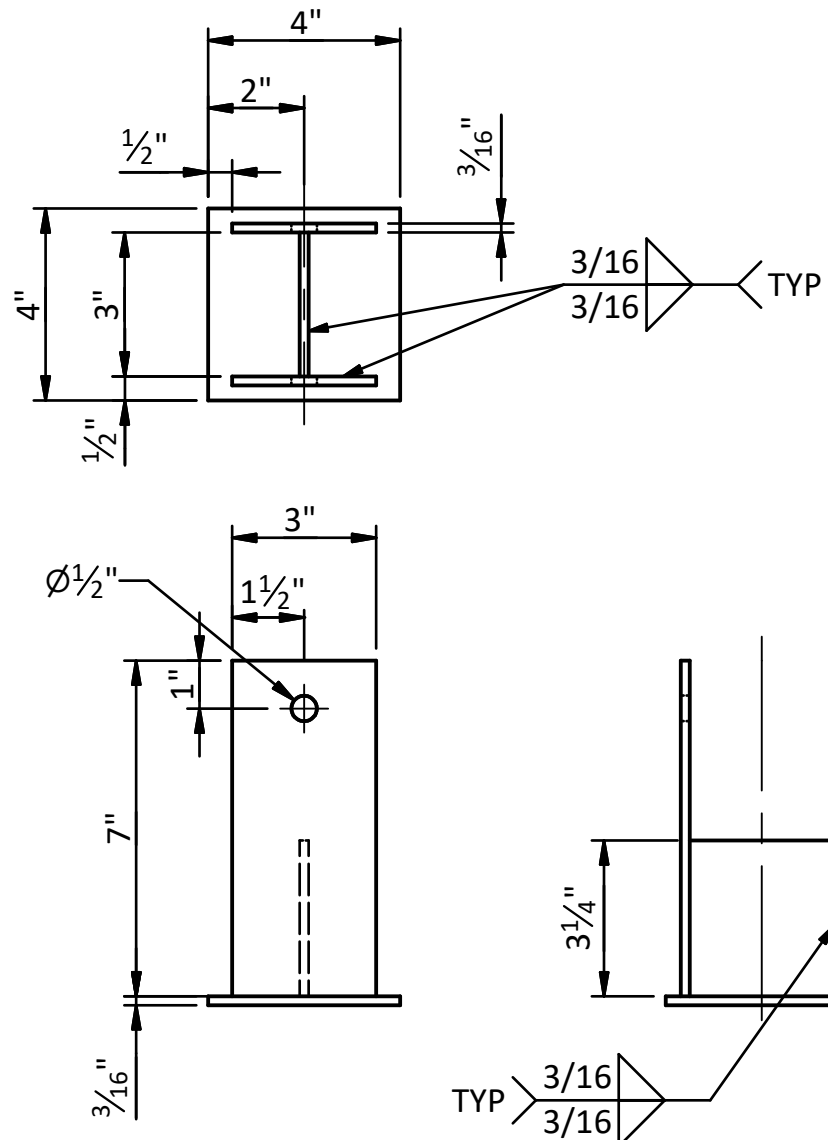
3 CROSS BAR SHEAVE HOLDER 3
5M-20 SCALE: 3" = 1'-0"



4 CROSS BAR SHEAVE HOLDER 4
5M-20 SCALE: 3" = 1'-0"



5 END STOP SHEAVE HOLDER
5M-13 SCALE: 3" = 1'-0"



6 ACTUATOR HOLDER
5M-20 SCALE: 3" = 1'-0"

A	06/29/26	RM	PRE-FINAL DESIGN	
REV	DATE	BY	DESCRIPTION	

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING
0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE

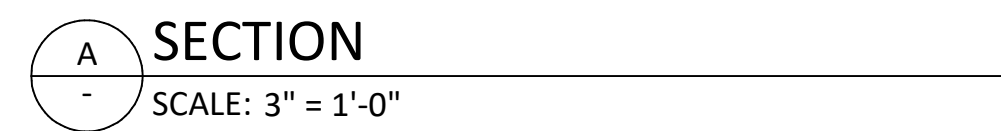
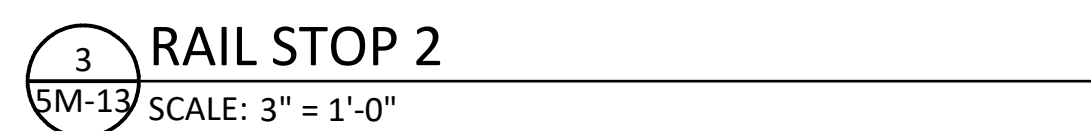
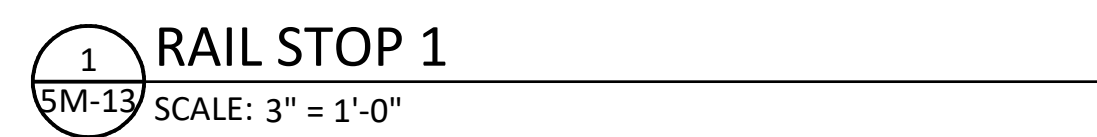


TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT

LOWER RACEWAY CROWDER
MISC DETAILS 1

DESIGNED _____ M. RIETZE
DRAWN _____ M. RIETZE
CHECKED _____ J. DALLAS
PROJECT DATE 06/29/26

DRAWING
5M-23



A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

WARNING

0 1/2 1



IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE



LOWER RACEWAY CROWDER
MISC DETAILS 2

DESIGNED	<u>M. RIETZE</u>
DRAWN	<u>M. RIETZE</u>
CHECKED	<u>J. DALLAS</u>
PROJECT DATE	<u>06/29/26</u>

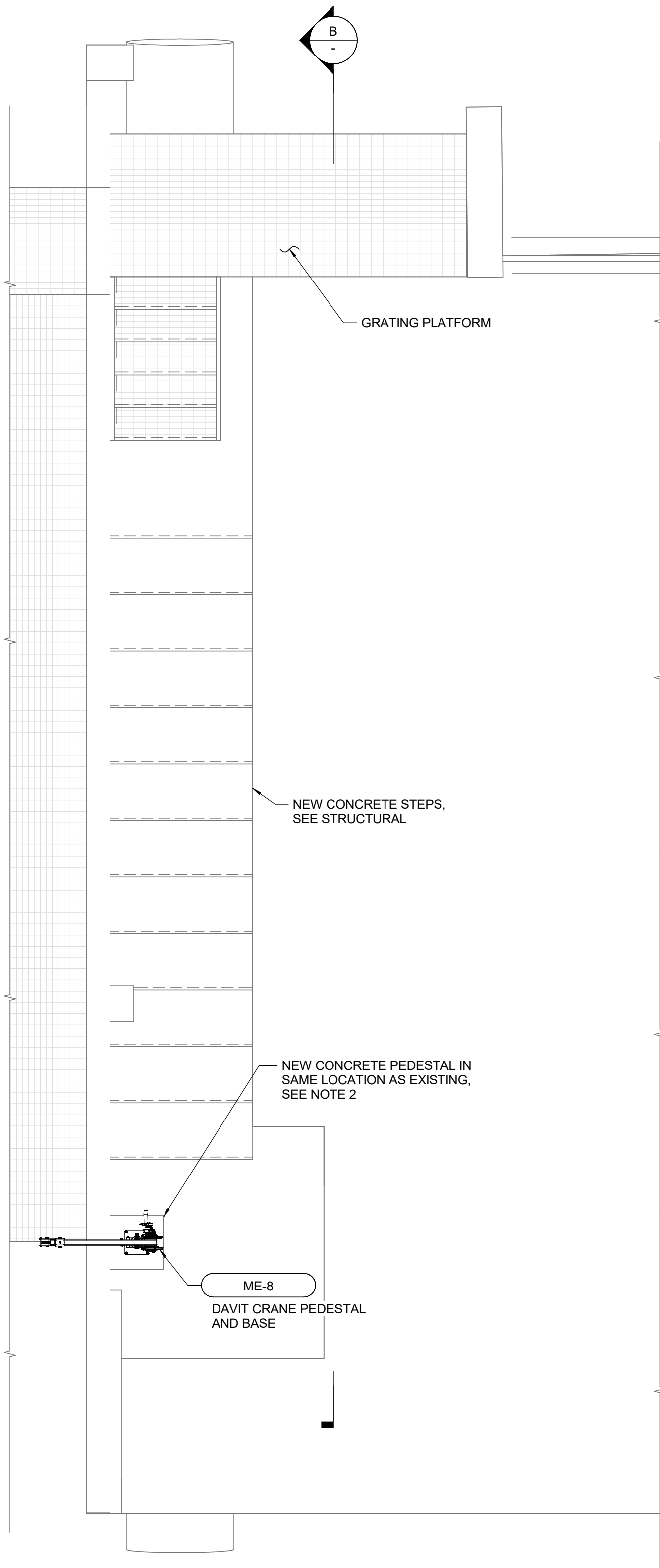
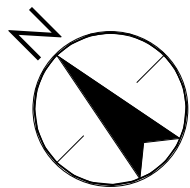
DRAWING

5M-24



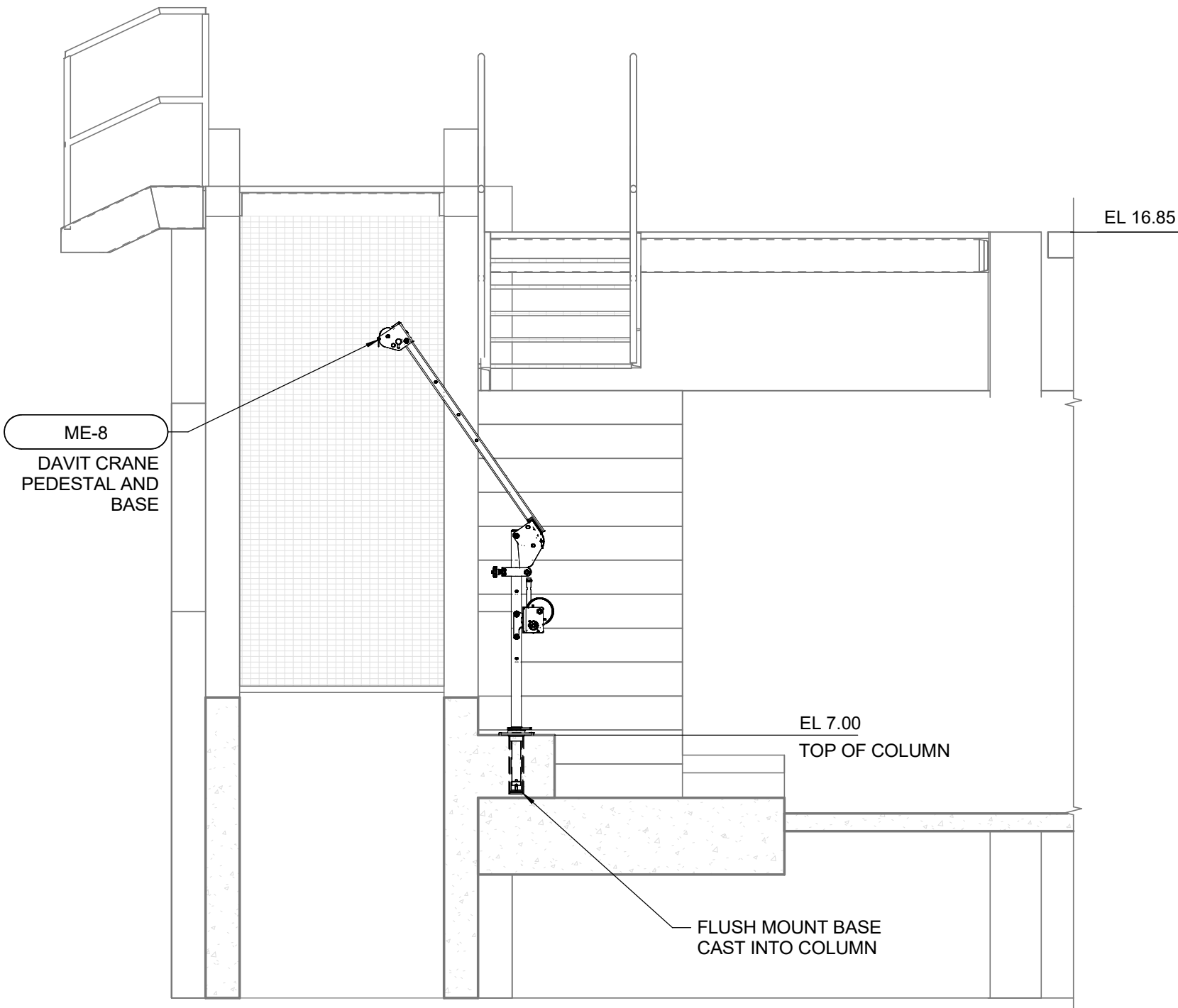
1. LOCATE VENT PIPE ALONG WATER TREATMENT SHED OUTSIDE WALL. OWNER TO APPROVE FINAL LOCATION.
2. DRILL HOLES AS REQUIRED TO PROVIDE TOTAL FREE AREA AT LEAST 1.5 TIMES AREA OF PIPE. HOLES SHALL BE 1/4" DIAMETER, START APPROXIMATELY 3" FROM TOP AND SPREAD EVENLY.
3. VENT PIPE SHALL BE SCHEDULE 40 PVC.
4. MANHOLE AND VAULT LIDS SHALL BE INSTALLED FLUSH WITH SURROUNDING PAVEMENT. LID AND ACCESS HATCH SHALL BE HS-20 RATED FOR VEHICLE TRAFFIC.
5. INSTALL LINKSEALS FOR CORE DRILLED PIPE PENETRATIONS SMALLER THAN 6".
6. FOR PREMANUFACTURED KNOCKOUTS, FILL ANNULAR SPACE WITH GROUT TO CREATE WATER TIGHT SEAL
7. PRECAST SUPPLIER SHALL DESIGN WET WELL TO RESIST UPLIFT FORCES ASSUMING GROUNDWATER ELEVATION OF 14.00 FEET.

6M-3



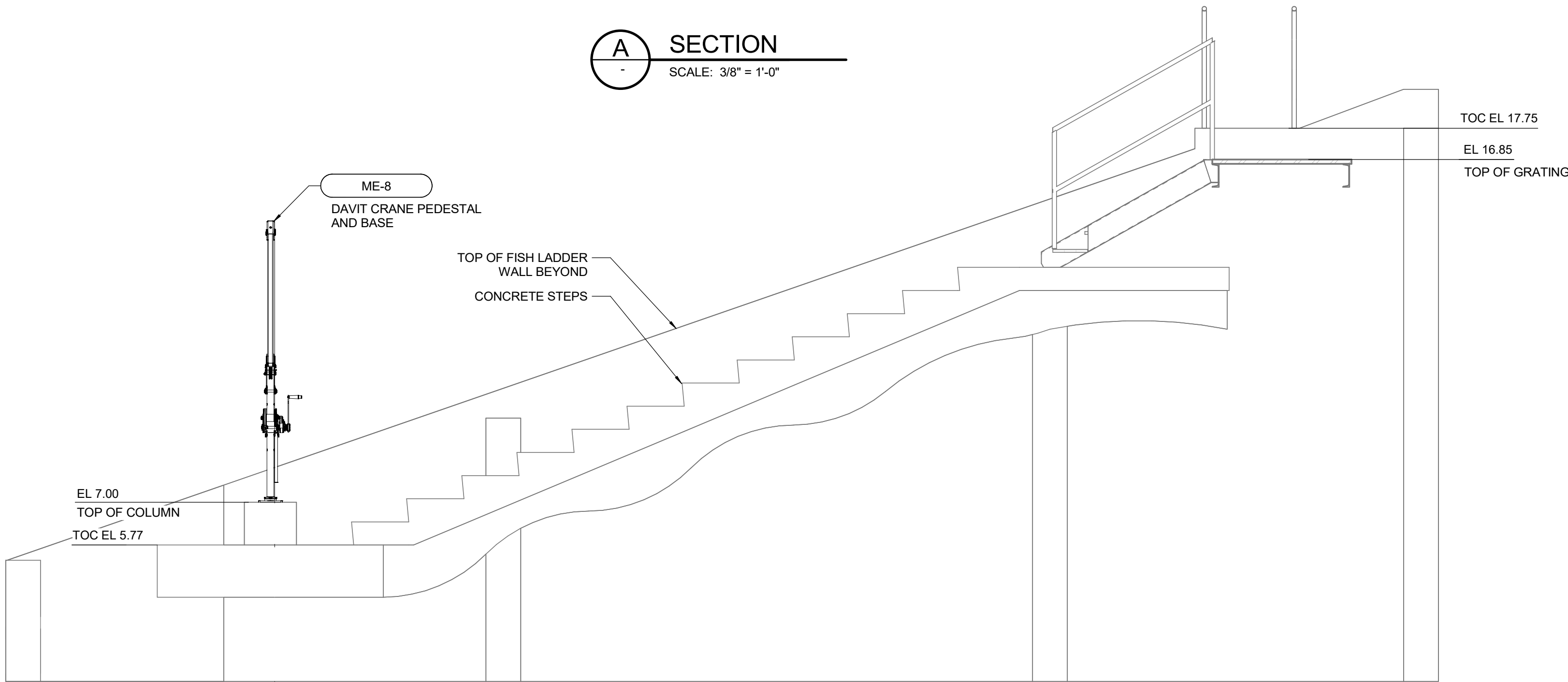
FISH LADDER HOIST PLAN

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



A SECTION

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



B SECTION

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

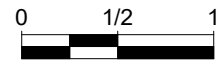
GENERAL SHEET NOTES

1. SEE SPECIFICATION 43 52 10 FOR DAVIT CRANE REQUIREMENTS.
2. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS AND ELEVATIONS.

REV	DATE	BY	DESCRIPTION
A	06/29/26	RM	PRE-FINAL DESIGN

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING



IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT

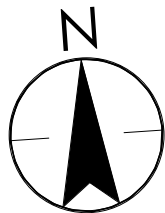
FISH LADDER HOIST
PLAN AND SECTIONS

DESIGNED LR
DRAWN STN
CHECKED DW

DRAWING

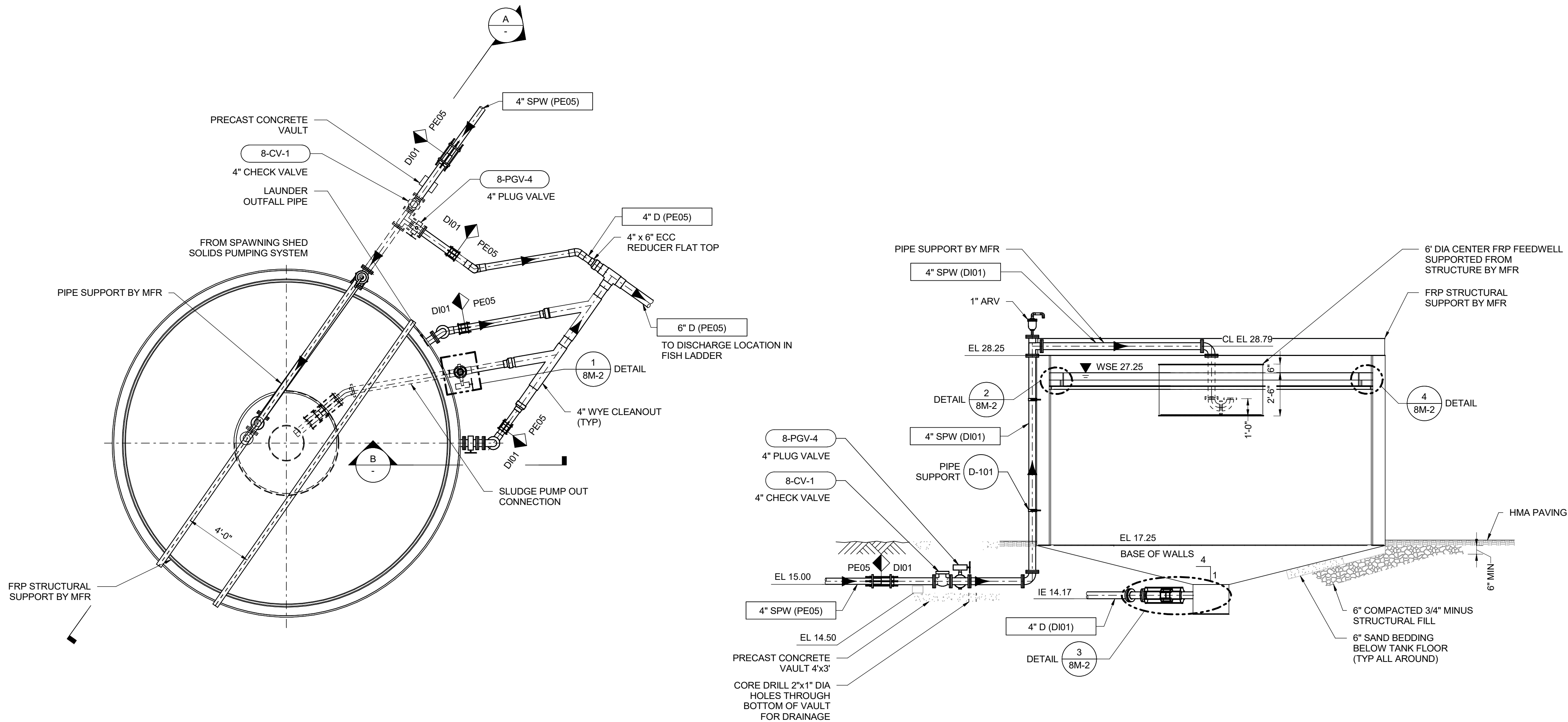
7M-1

ISSUED DATE: 06/29/26
Exhibit E-2 Page 147 of 161



GENERAL SHEET NOTES

1. MINIMUM 2% SLOPE ON ALL DRAINS.
2. THE CLARIFIER IS A PACKAGED ASSEMBLY. SEE SPECIFICATION SECTION 46 34 22 CIRCULAR CENTER FEED CLARIFIER FOR ADDITIONAL REQUIREMENTS.



CLARIFIER MECHANICAL PLAN

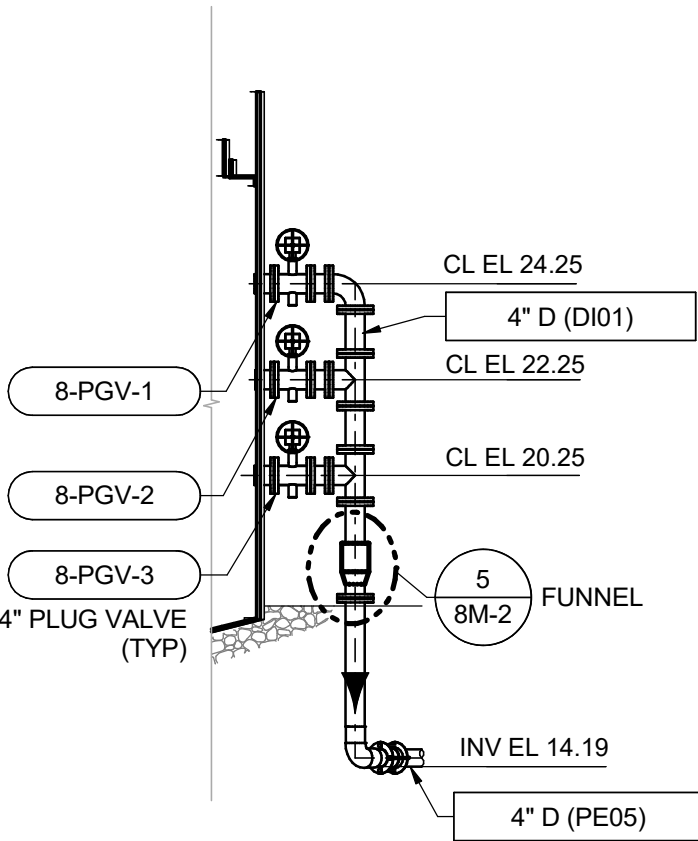
SCALE: 1/4" = 1'-0"

A SECTION

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

B SECTION

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



A	06/29/26		PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING

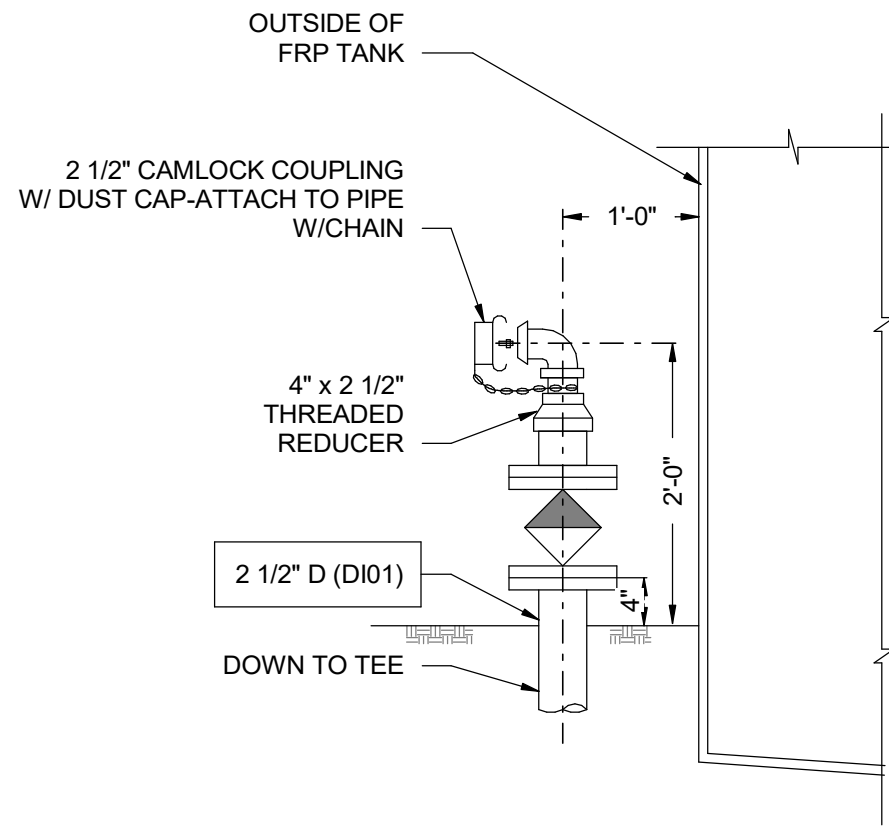


IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



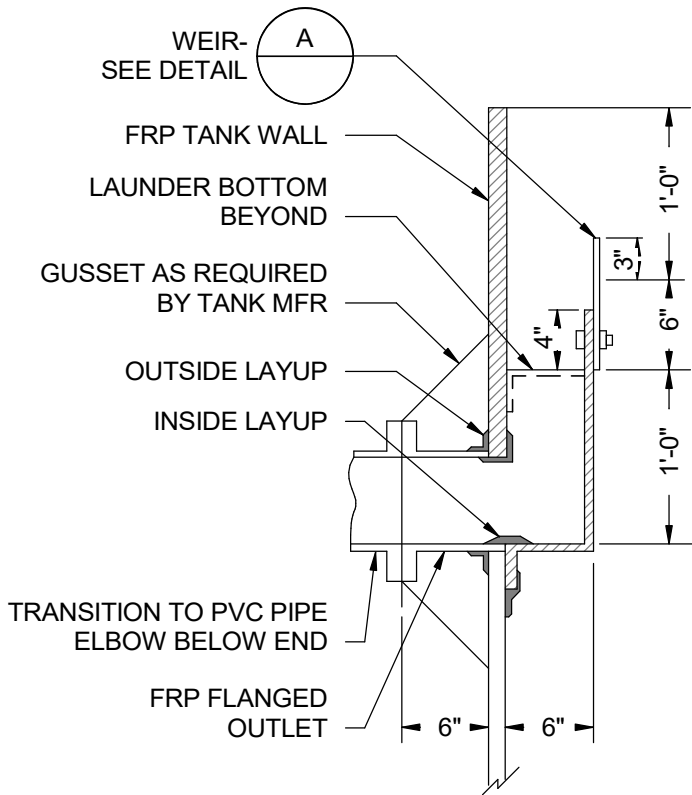
Tulalip Tribes		DESIGNED DRAWN CHECKED ISSUED DATE	LR STN DW 06/29/2024	DRAWING <
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Exhibit E.2 Page 148 of 161
Exhibit E.2 Page 148 of 161



SLUDGE PUMPOUT CONNECTION

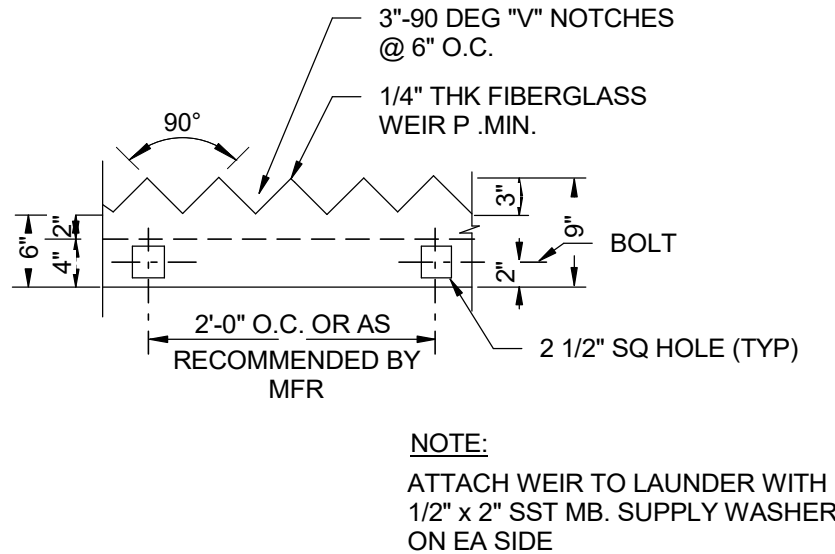
1
8M-1
DETAIL
SCALE: 1 1/2" = 1'-0"



NOTE:
ALL SIDE FLANGED OUTLETS ARE
SIMILAR TO THIS ONE.

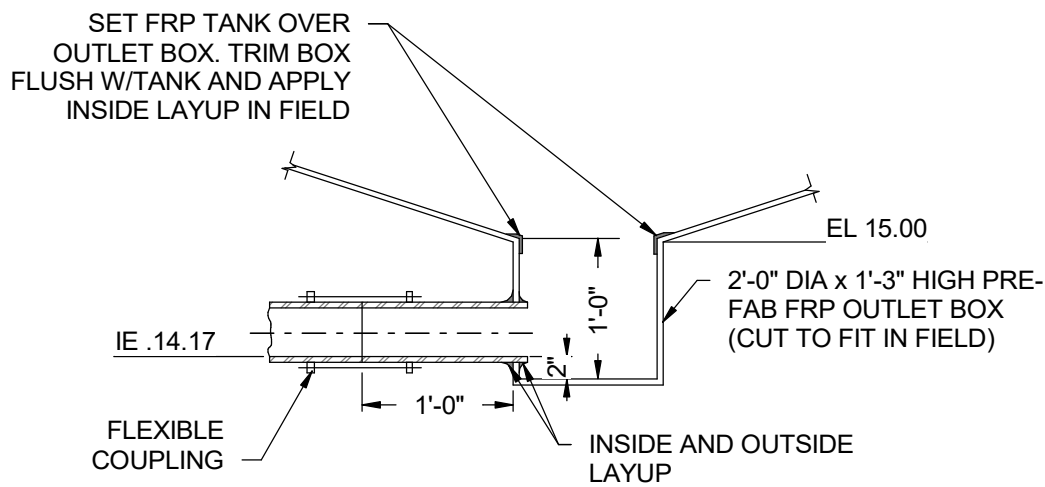
LAUNDRY AT OUTFALL

2
8M-1
DETAIL
SCALE: 1 1/2" = 1'-0"

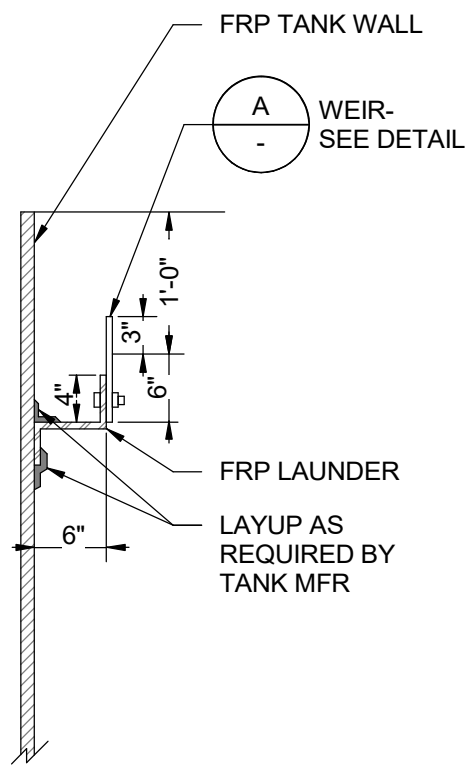


V-NOTCH LAUNDRY WEIR

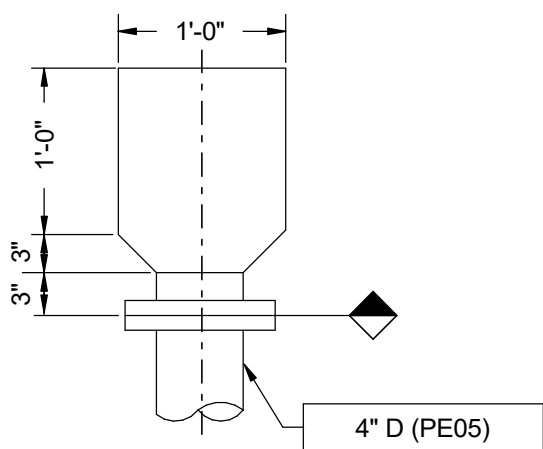
A
-
DETAIL
SCALE: 1 1/2" = 1'-0"



3
8M-1
DETAIL
SCALE: 1 1/2" = 1'-0"



4
8M-1
DETAIL
SCALE: 1 1/2" = 1'-0"



NOTES:
1. FABRICATE FUNNEL FROM
SCHED 10 STEEL PIPE. HOT
DIP GALVANIZE AFTER
FABRICATION.
2. EXTEND DRAINAGE PIPE 2"
INTO FUNNEL.

FUNNEL

5
8M-1
DETAIL
SCALE: 1 1/2" = 1'-0"

A	06/29/26		PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING

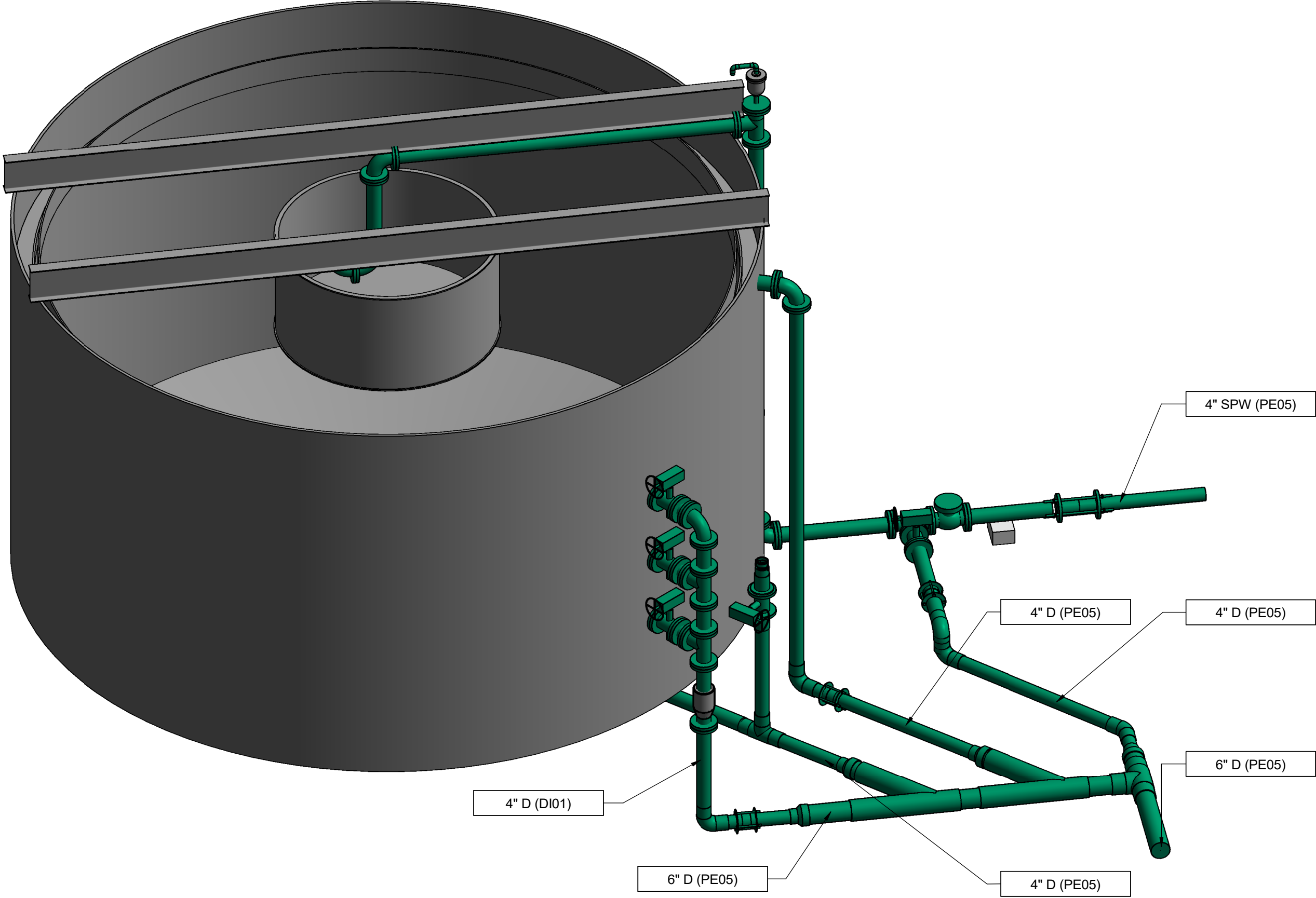
0 1/2 1

IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



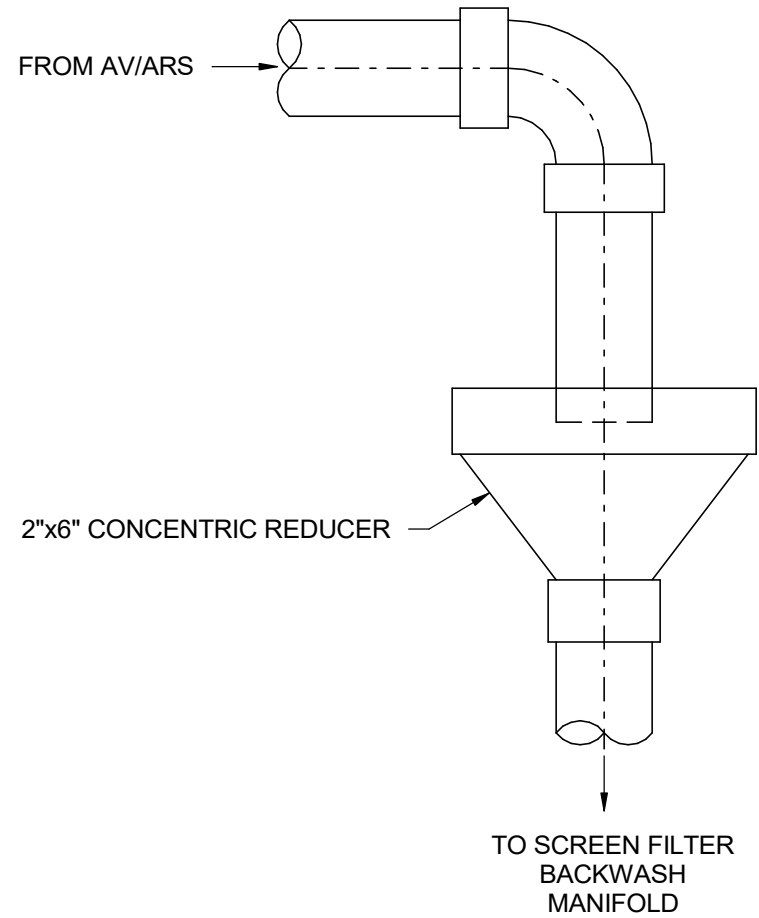
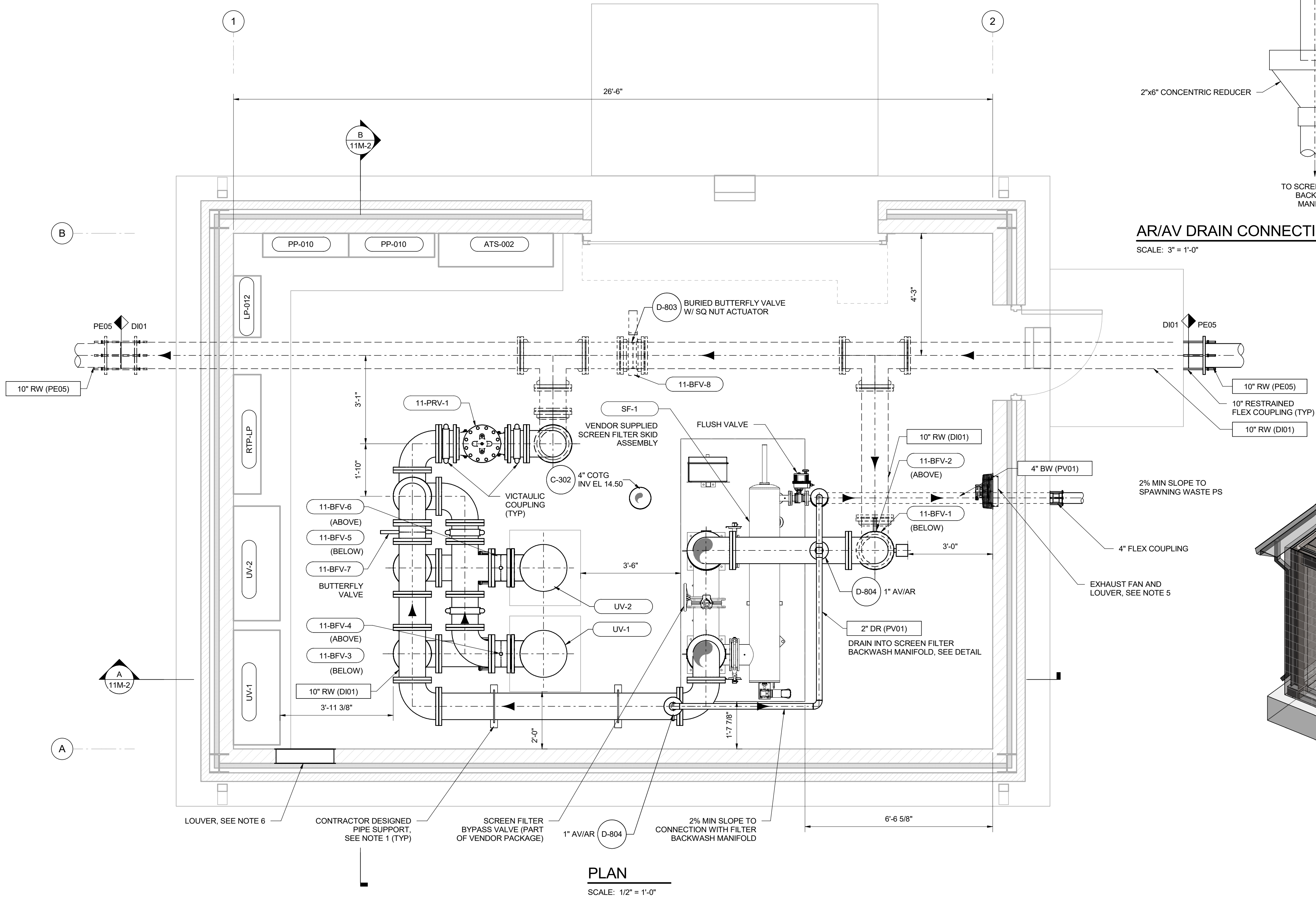
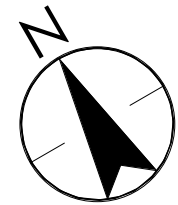
Tulalip Tribes	DESIGNED LR	DRAWING
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	DRAWN STN	8M-2
WASTEWATER CLARIFIER MECHANICAL DETAILS 1	CHECKED DW	
	ISSUED DATE 06/29/26	

Exhibit E.2 Page 149 of 161
Exhibit E.2 Page 149 of 161



1 CLARIFIER ISOMETRIC
- SCALE:

				PRELIMINARY NOT FOR CONSTRUCTION	WARNING 0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.	McMillen 1471 Shoreline Dr. Ste 100, Boise, ID 83702 (208) 342-4214 mcmillen.com	TULALIP TRIBES	Tulalip Tribes	DESIGNED LR	DRAWING 8M-3
								TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	DRAWN STN	
								WASTEWATER CLARIFIER MECHANICAL DETAILS 2	CHECKED DW	
									ISSUED DATE	
A	06/29/26		PRE-FINAL DESIGN						06/29/26	
REV	DATE	BY	DESCRIPTION							

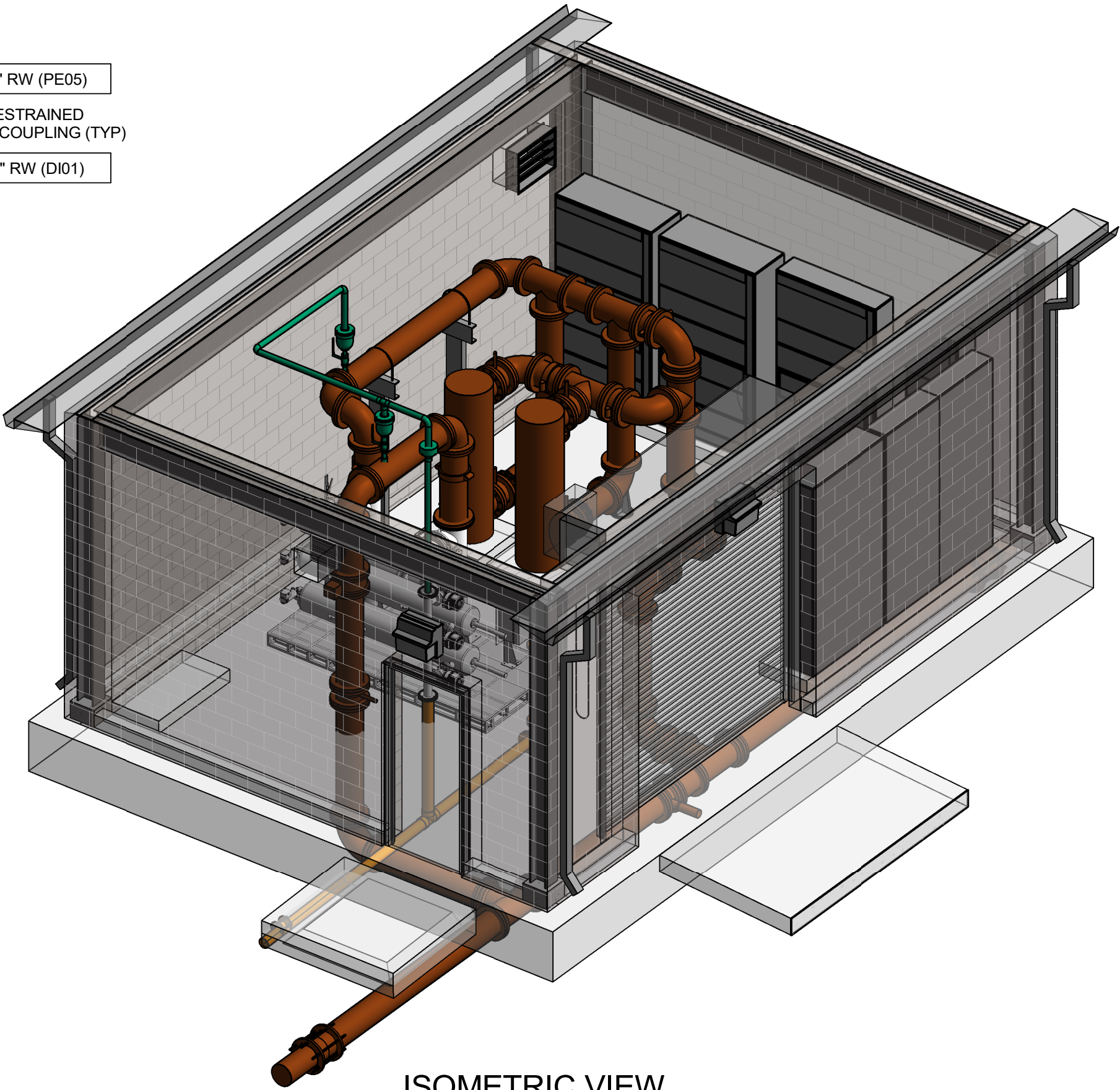


AR/AV DRAIN CONNECTION DETAIL

SCALE: 3" = 1'-0"

GENERAL SHEET NOTES

1. NOT ALL NECESSARY PIPE SUPPORTS ARE SHOWN. CONTRACTOR SHALL PROVIDE PIPE SUPPORTS FOR A COMPLETE PIPING SYSTEM. SEE SPECIFICATION 40 05 07 FOR ADDITIONAL REQUIREMENTS.
2. SCREEN FILTER LAYOUT IS BASED ON FORSTA FILTERS MODEL 180C. CONTRACTOR MAY PROPOSE SUBSTITUTE EQUIPMENT. IF LAYOUT OF SUBSTITUTE EQUIPMENT VARIES FROM WHAT IS SHOWN, ALL PIPING AND OTHER MODIFICATIONS NECESSARY FOR COMPLETE INSTALLATION SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER. SCREEN FILTER SKID SHALL BE INSTALLED LEVEL, PROVIDE LEVELING NUTS OR GROUT BENEATH SKID BASE AS REQUIRED.
3. FLUSH VALVE WITH ACTUATOR PROVIDED AS PART OF SCREEN FILTER SUPPLY PACKAGING (TYP). CONTRACTOR SHALL COORDINATE WITH SUPPLIER TO PROVIDE ALL PARTS AND COMPONENTS NEEDED FOR COMPLETE INSTALLATION.
4. ALL EXPOSED FITTINGS SHALL BE RESTRAINED JOINT TYPE FITTINGS.
5. PROVIDE GROOVED COUPLINGS OR FLANGED COUPLING ADAPTERS FOR ABOVE-GRADE PIPING WHERE SHOWN AND AS NEEDED FOR COMPLETE PIPING INSTALLATION.
6. 12" DIA EXHAUST FAN AND LOUVER SHALL BE WALL-MOUNTED. LOUVER MUST BE CAPABLE OF PASSING AT MINIMUM AN AIRFLOW OF 825CFM. FRAME MATERIAL SHALL BE STEEL. FAN BLADE MATERIAL SHALL BE ALUMINUM.
7. FIXED BLADE WALL LOUVER WITH ALUMINUM FRAME AND BLADES SHALL BE WALL MOUNTED. FIXED BLADE LOUVER SHALL BE MCMASTER-CARR 2083K64 OR EQUIVALENT. FRAME AND BLADE MATERIAL SHALL BE ALUMINUM.
8. SEE ELECTRICAL DRAWINGS FOR PLACEMENT OF UNIT HEATERS AND ELECTRICAL EQUIPMENT.



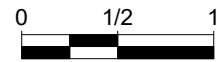
ISOMETRIC VIEW

SCALE: NO SCALE

REV	DATE	BY	DESCRIPTION
A	06/29/26	RM	PRE-FINAL DESIGN

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING



IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



TULALIP TRIBES
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT
WATER TREATMENT
SHED PLAN

DESIGNED LR
DRAWN STN
CHECKED DW

DRAWING

11M-1

ISSUED DATE: 06/25/2026
Exhibit E.2 Page 151 of 161

- GENERAL SHEET NOTES
1.

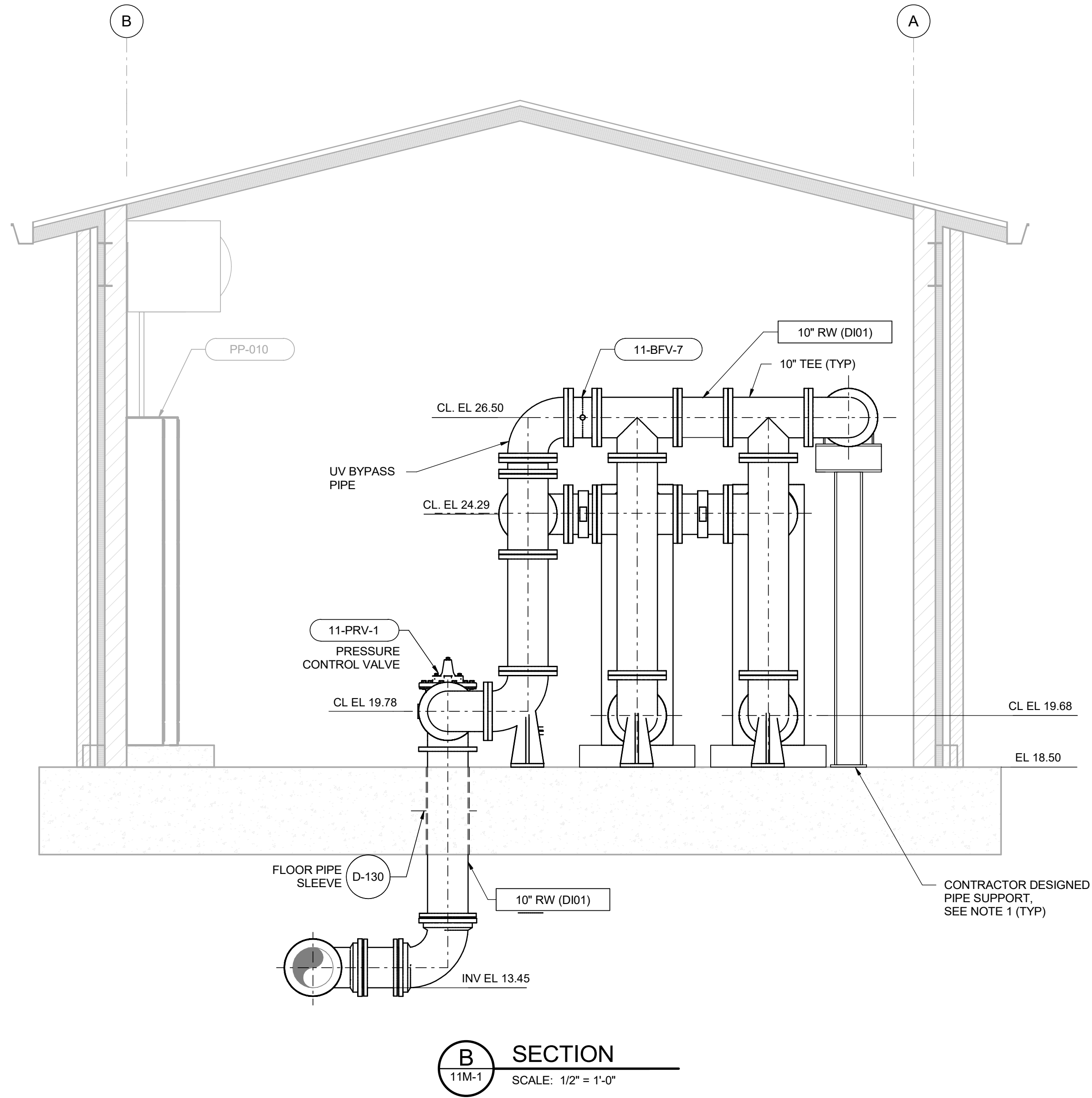
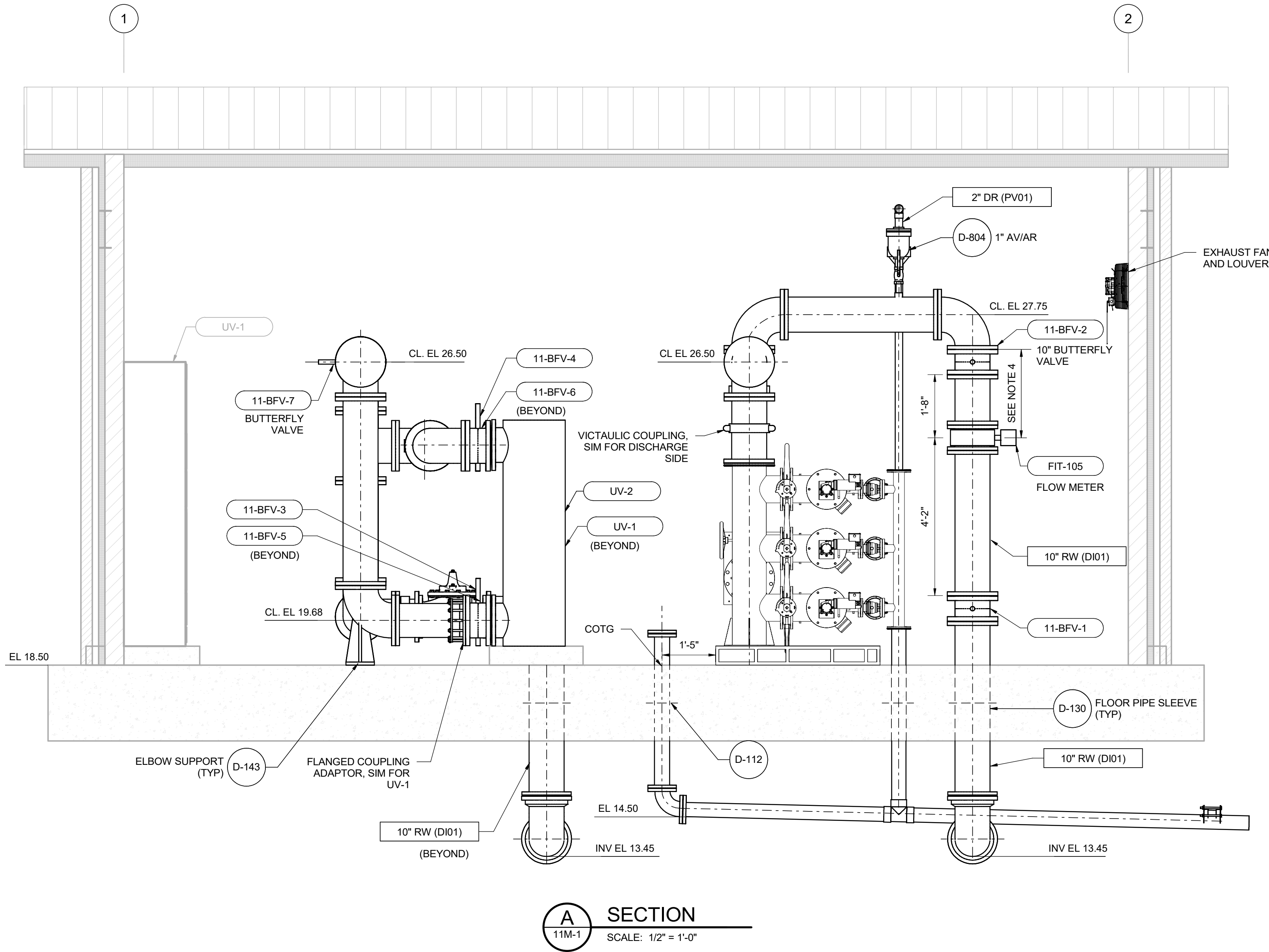
NOT ALL NECESSARY PIPE SUPPORTS ARE SHOWN. CONTRACTOR SHALL PROVIDE PIPE SUPPORTS FOR A COMPLETE PIPING SYSTEM. SEE SPECIFICATION 40 05 07 FOR ADDITIONAL REQUIREMENTS.
2.

SCREEN FILTER LAYOUT IS BASED ON FORSTA FILTERS MODEL 180C. CONTRACTOR MAY PROPOSE SUBSTITUTE EQUIPMENT. IF LAYOUT OF SUBSTITUTE EQUIPMENT VARIES FROM WHAT IS SHOWN, ALL PIPING AND OTHER MODIFICATIONS NECESSARY FOR COMPLETE INSTALLATION SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER. SCREEN FILTER SKID SHALL BE INSTALLED LEVEL, PROVIDE LEVELING NUTS OR GROUT BENEATH SKID BASE AS REQUIRED.
3.

FLUSH VALVE WITH ACTUATOR PROVIDED AS PART OF SCREEN FILTER SUPPLY PACKAGING (TYP). CONTRACTOR SHALL COORDINATE WITH SUPPLIER TO PROVIDE ALL PARTS AND COMPONENTS NEEDED FOR COMPLETE INSTALLATION.
4.

CONTRACTOR SHALL INSTALL FLOW METER WITH SUFFICIENT STRAIGHT, UNIMPEDED RUN UPSTREAM AND DOWNSTREAM OF THE FLOWMETER IN ACCORDANCE WITH MANUFACTURER'S MANUAL.
5.

ALL EXPOSED FITTINGS SHALL BE FLANGED OR RESTRAINED JOINT TYPE FITTINGS.



A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING

0 1/2 1

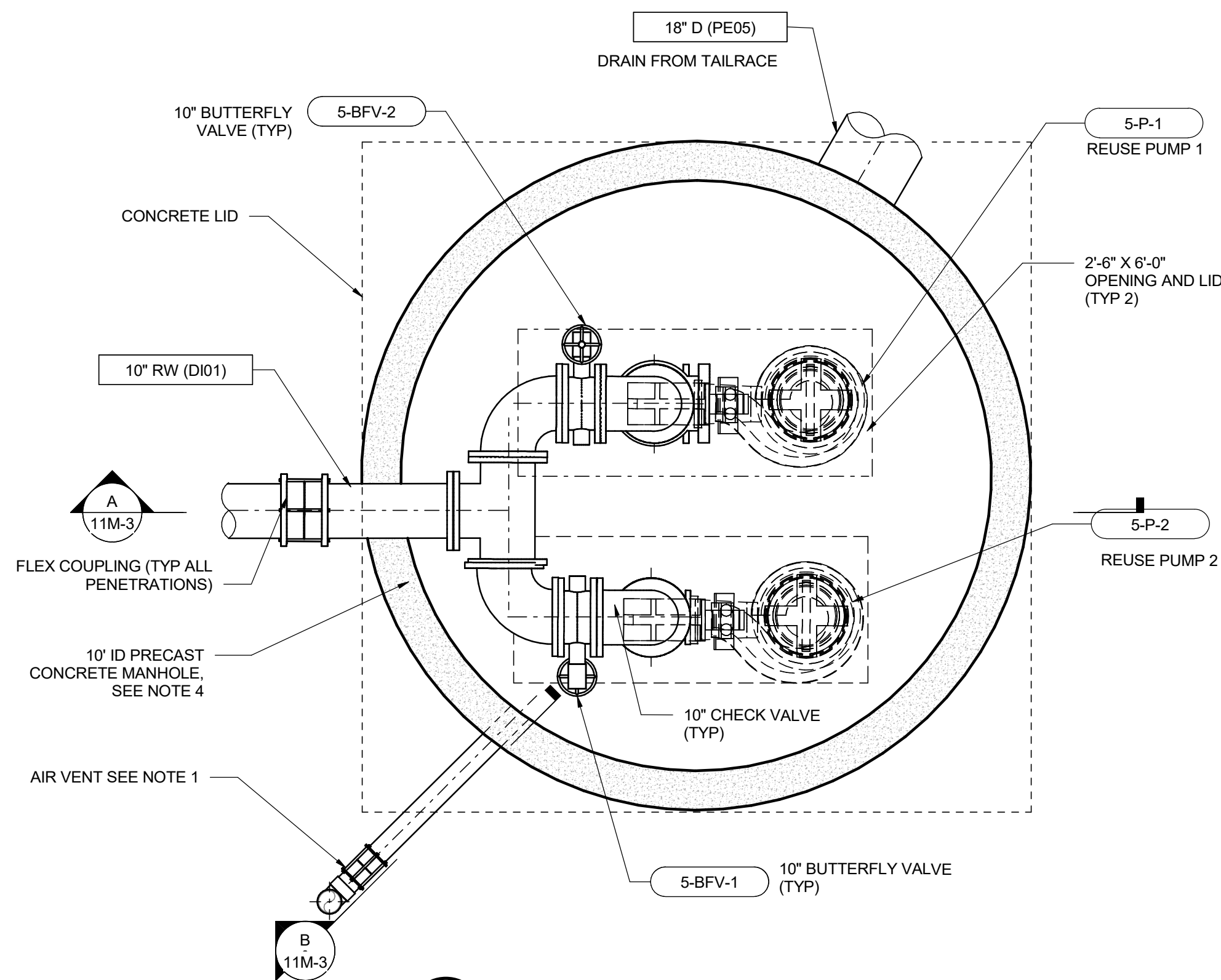
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



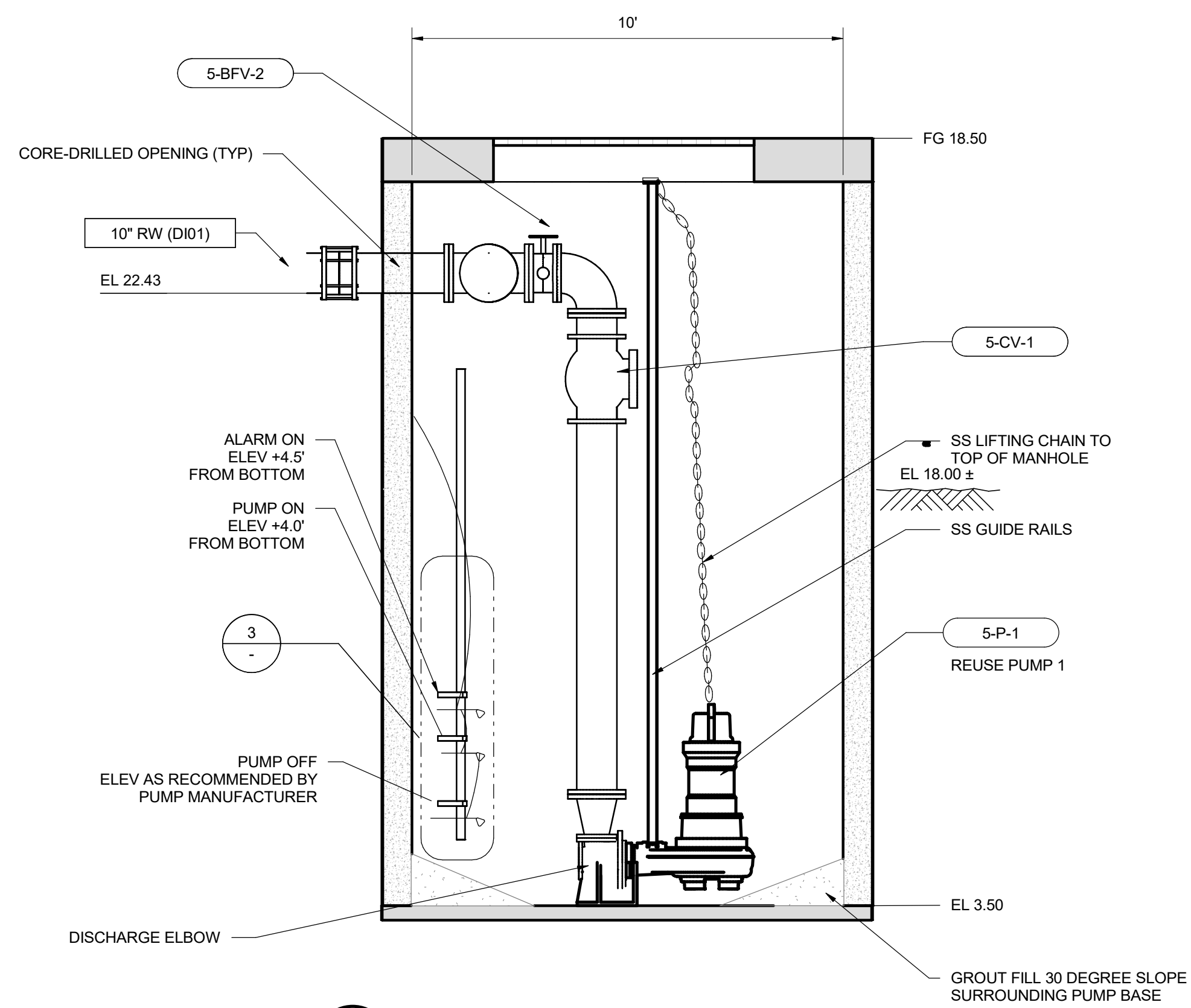
TULALIP TRIBES	DESIGNED	LR	DRAWING
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	DRAWN	STN	
	CHECKED	DW	
	ISSUED DATE	06/29/2026	

11M-2

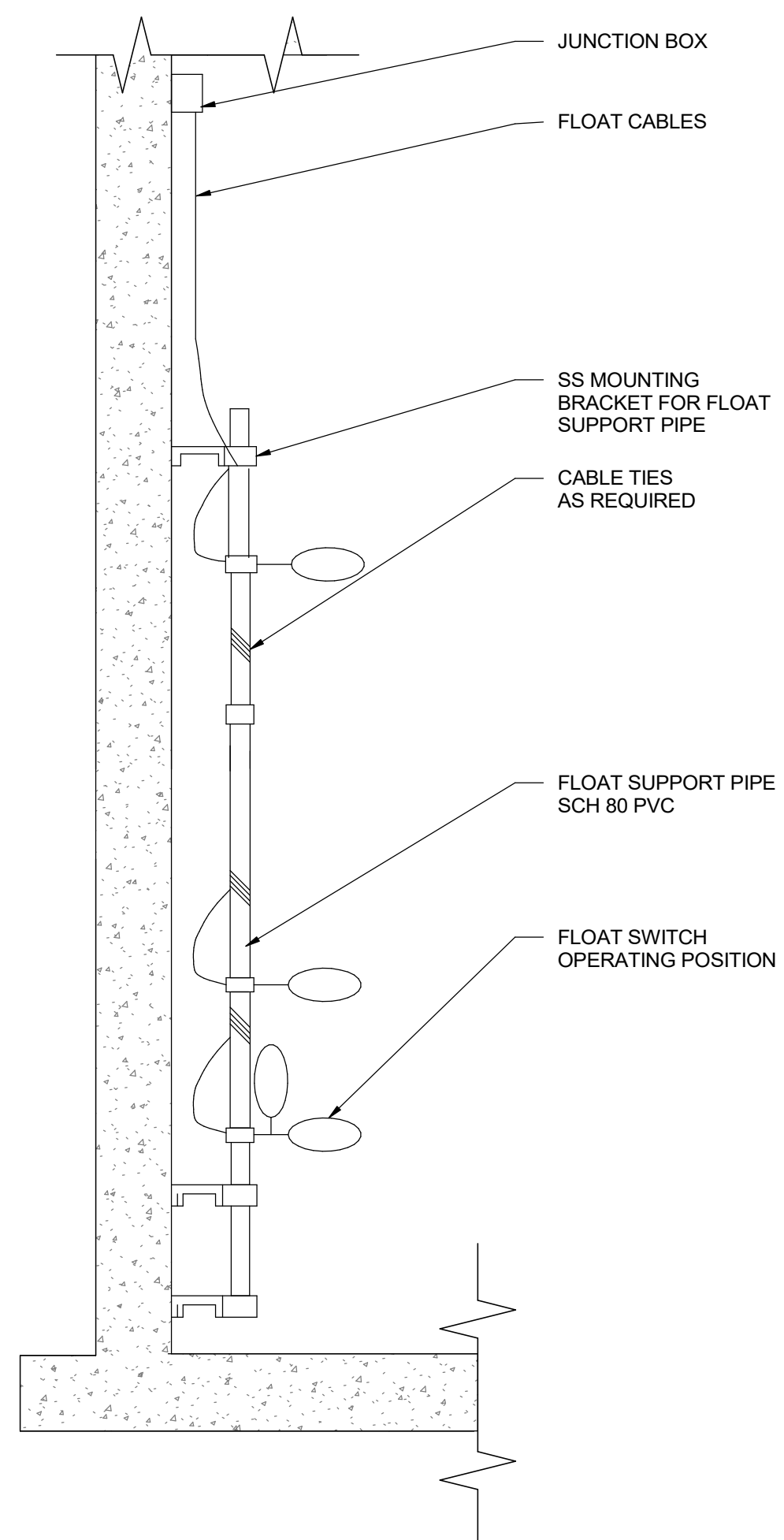
Exhibit E.2 Page 152 of 161



ISOMETRIC VIEW



B SECTION
SCALE: 3/4" = 1'-0"

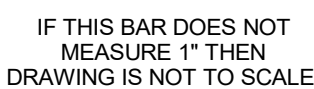


3 BALL FLOAT SWITCH
- NO SCALE

1. LOCATE VENT PIPE ALONG WATER TREATMENT SHED OUTSIDE WALL. OWNER TO APPROVE FINAL LOCATION.
2. DRILL HOLES AS REQUIRED TO PROVIDE TOTAL FREE AREA AT LEAST 1.5 TIMES AREA OF PIPE. HOLES SHALL BE 1/4" DIAMETER, START APPROXIMATELY 3" FROM TOP AND SPREAD EVENLY.
3. VENT PIPE SHALL BE SCHEDULE 40 PVC.
4. MANHOLE AND VAULT LIDS SHALL BE INSTALLED FLUSH WITH SURROUNDING PAVEMENT. LID AND ACCESS HATCH SHALL BE HS-20 RATED FOR VEHICLE TRAFFIC.
5. INSTALL LINKSEALS FOR CORE DRILLED PIPE PENETRATIONS SMALLER THAN 6".
6. FOR PREMANUFACTURED KNOCKOUTS, FILL ANNULAR SPACE WITH GROUT TO CREATE WATER TIGHT SEAL.
7. VALVE VAULT AND WET WELL LID SHALL BE INSTALLED 1/2" ABOVE FINISHED GRADE.
8. PRECAST SUPPLIER SHALL DESIGN WET WELL TO RESIST UPLIFT FORCES ASSUMING GROUNDWATER ELEVATION OF 14.00 FEET.

A	06/29/26	RM	PRE-FINAL DESIGN
REV	DATE	BY	DESCRIPTION

WARNING

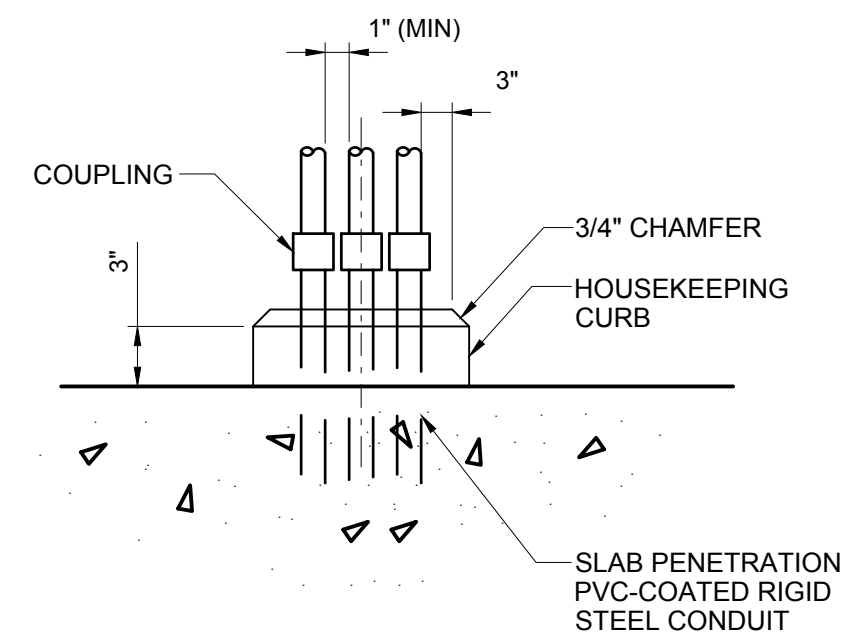


REUSE PUMP ENLARGED PLAN AND SECTION

DRAWING

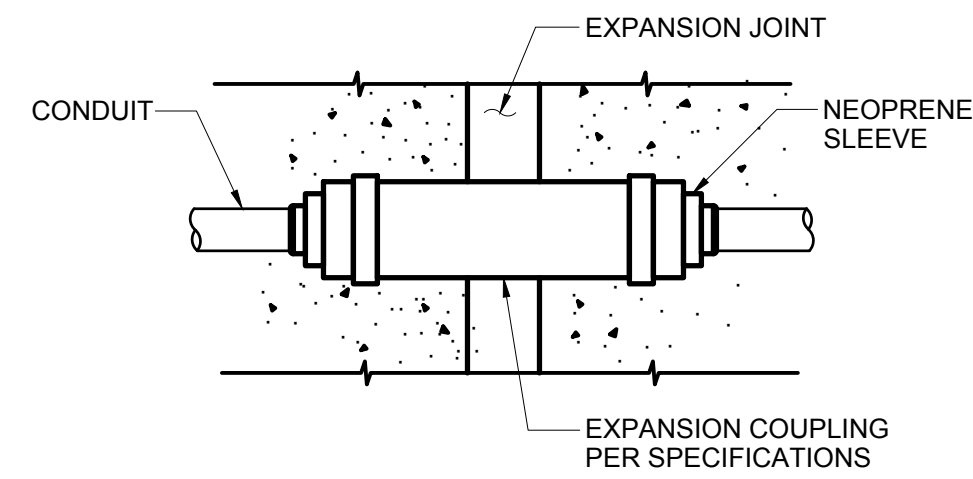
11M-3

ISSUED DATE: 06/29/2026



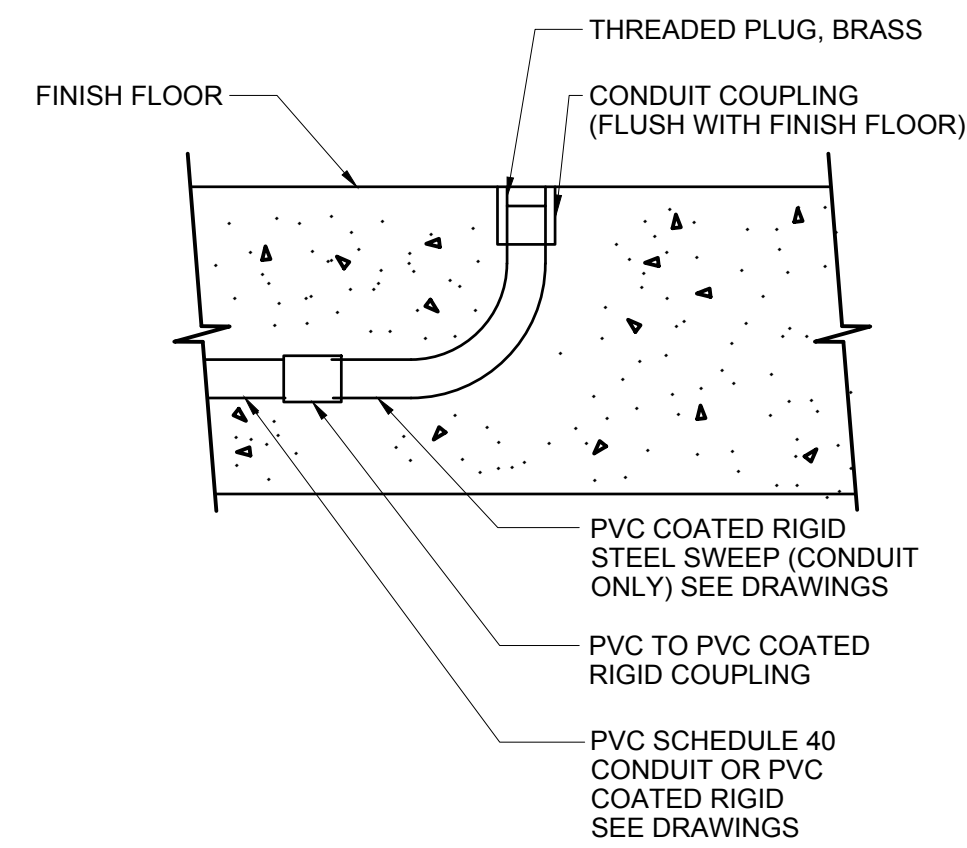
NOTE:
HOUSEKEEPING CURB REQUIRED AT ALL
LOCATIONS FOR SINGLE AND MULTIPLE RISERS.

CONCRETE HOUSEKEEPING CURB
NON-HAZARDOUS LOCATIONS REV 110112 E-203

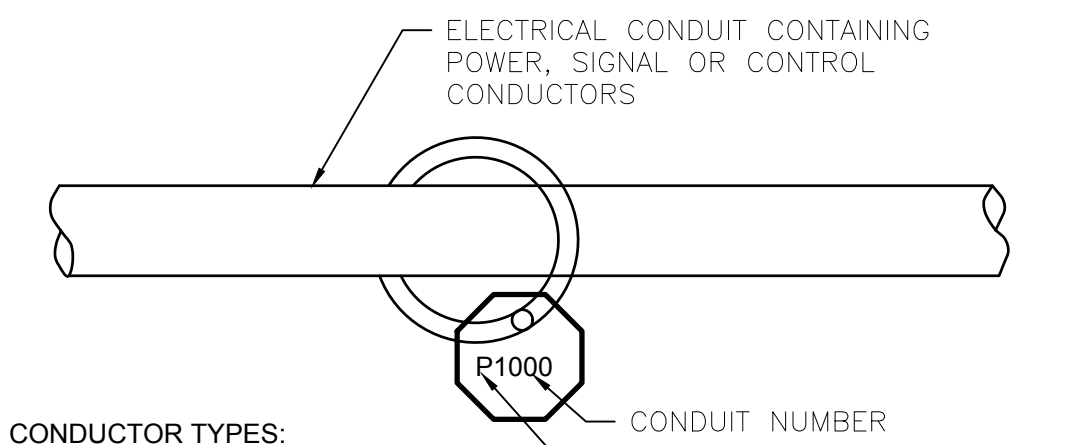


NOTE:
PROVIDE EXTERNAL BONDING JUMPER WITH METALLIC CONDUIT
AND WHEN COUPLING HAS NO INTERNAL JUMPER.

EXPANSION COUPLING REV 110112 E-204



CONDUIT TERMINATION FOR
FUTURE EQUIPMENT



CONDUCTOR TYPES:
P - POWER
C - CONTROL OR DIGITAL STATUS
S - SIGNAL (ANALOG)

CONDUIT NUMBERS ARE LISTED ON THE CONDUIT / CABLE SCHEDULE

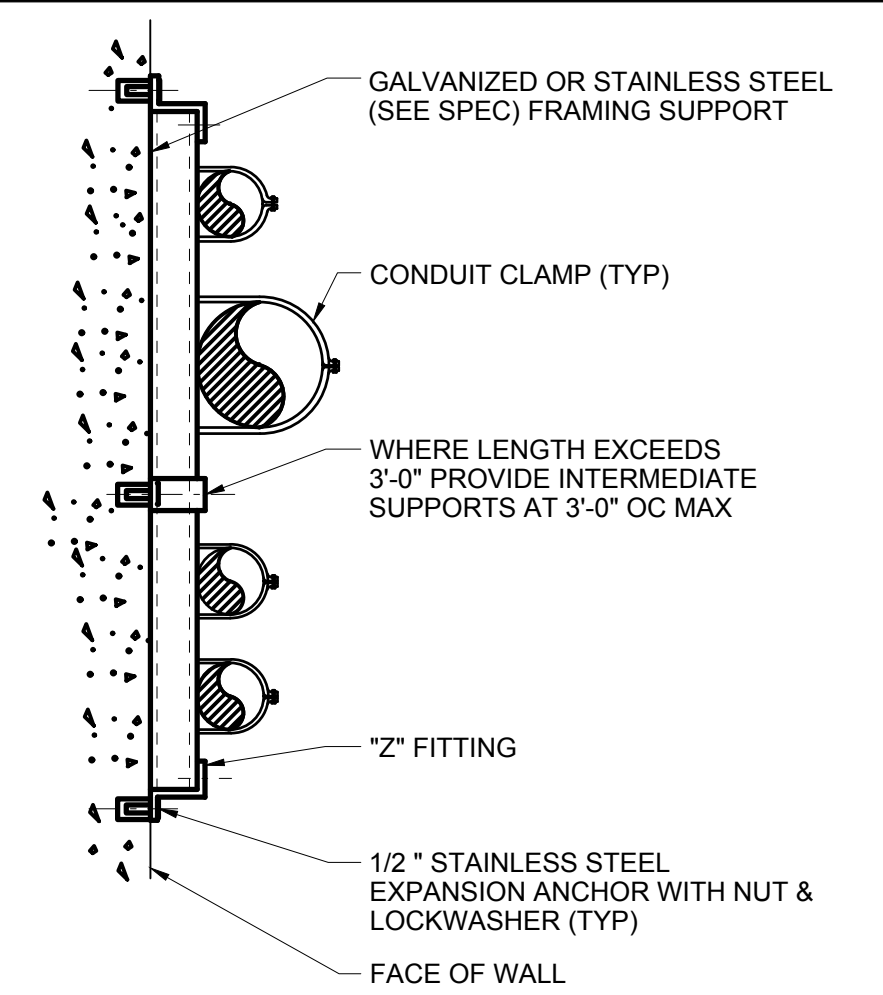
NOTE:

1. CONDUIT TAGS SHALL BE AFFIXED TO CONDUITS:

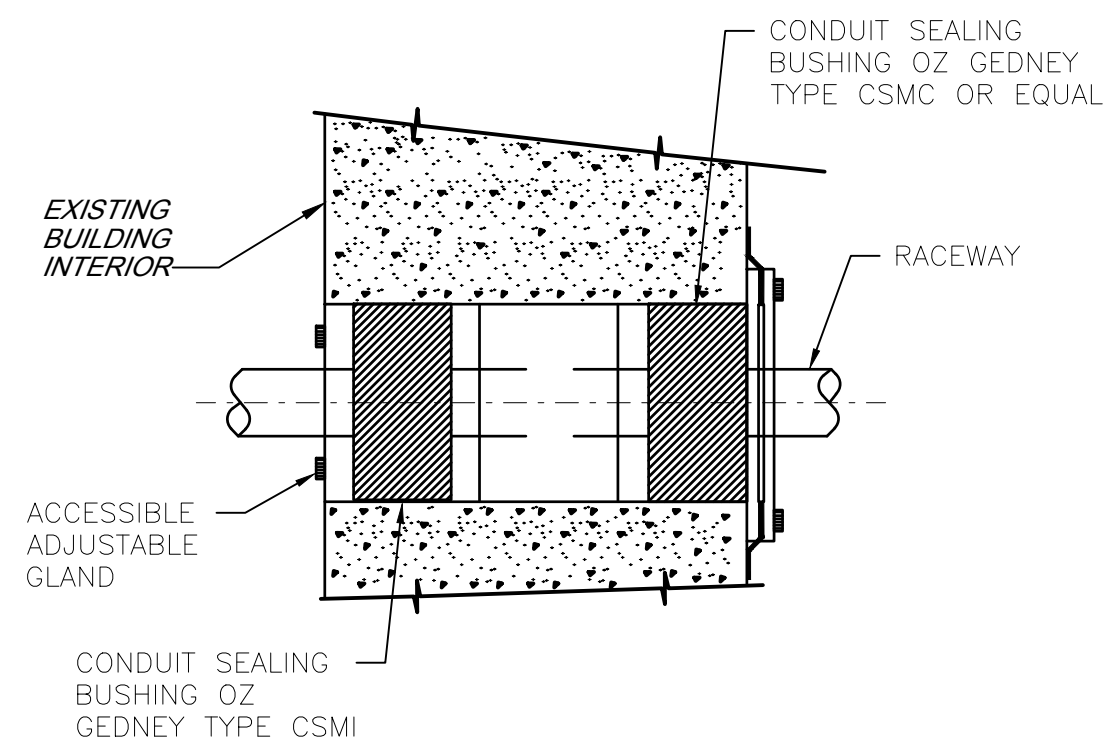
A. AFTER ALL WORKING DRAWINGS ARE APPROVED AND ALL FIELD MODIFICATIONS HAVE BEEN MADE.

B. BEFORE FINAL ACCEPTANCE TESTING HAS STARED.

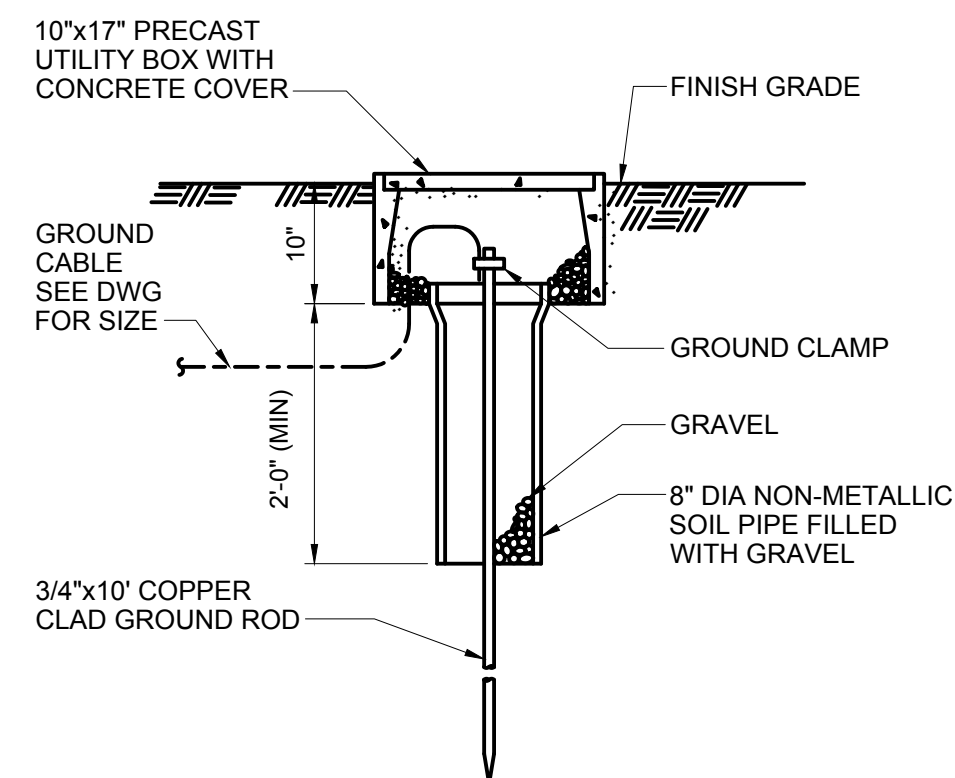
CONDUIT IDENTIFICATION TAG E-210



CONDUIT SUPPORT
FLUSH MOUNT

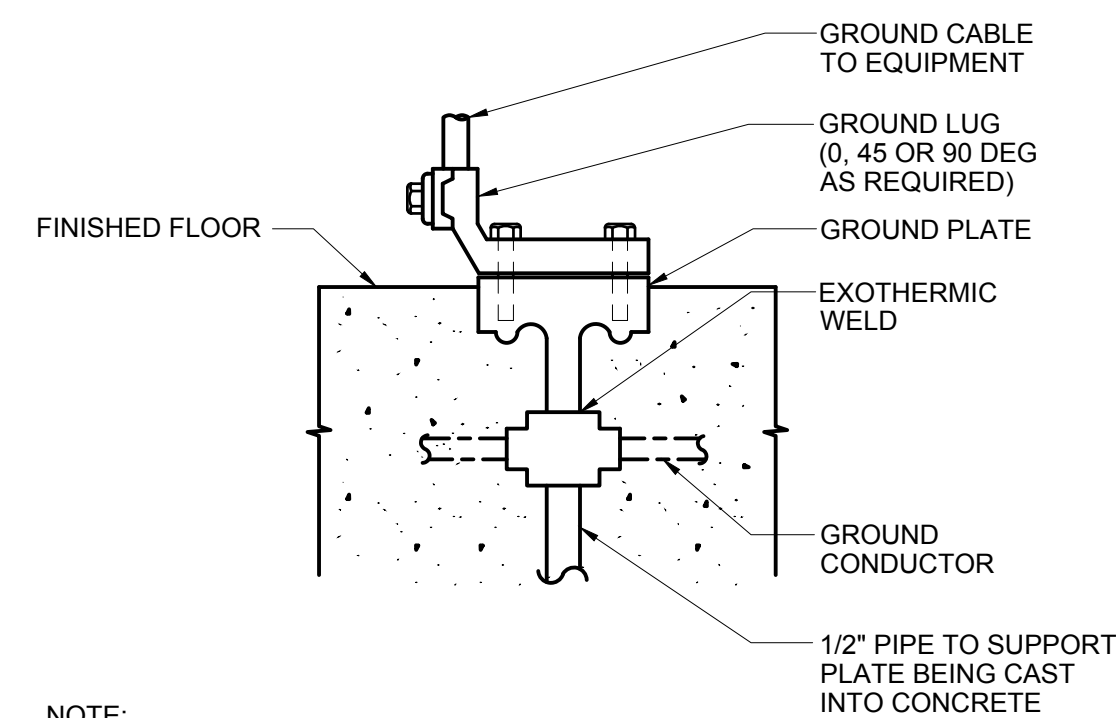


WATERTIGHT CONDUIT SEAL E-214



GROUND ROD AND WELL

REV 110112 E-303

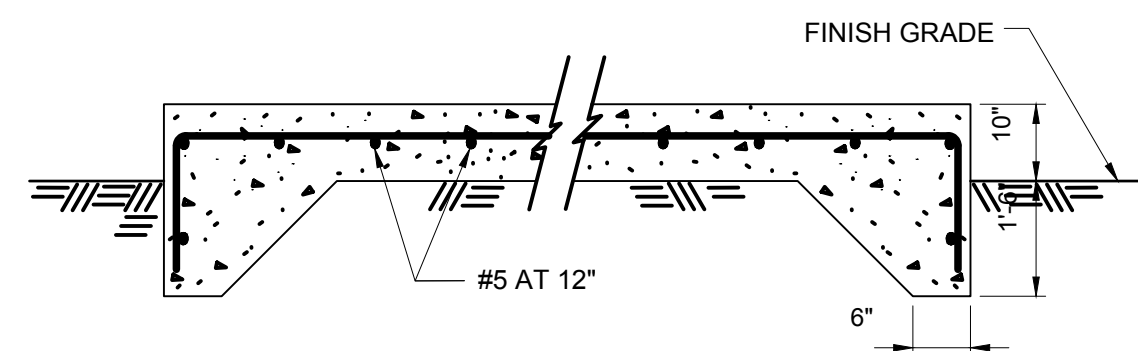


NOTE: INTO

1. ALL BOLTS SHALL BE INSERTED IN BOLT HOLES BEFORE THE INSERT IS EMBEDDED.

GROUNDING INSERT

REV 110112 E-308



NOTES:

1. OVERALL PAD DIMENSIONS SHALL BE DETERMINED FROM ELECTRICAL DRAWING AND ADJUSTED AS REQ'D TO SUIT EQUIPMENT FURNISHED.

2. COORDINATE WITH STRUCTURAL DRAWINGS.

ELECTRICAL EQUIPMENT PAD

REV 110112 E-617

A	06/29/26	RM	PRE-FINAL SUBMITTAL
REV	DATE	BY	DESCRIPTION

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WARNING



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TULALIP TRIBES

TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT

ELECTRICAL STANDARD DETAILS

DESIGNED M. CHAN

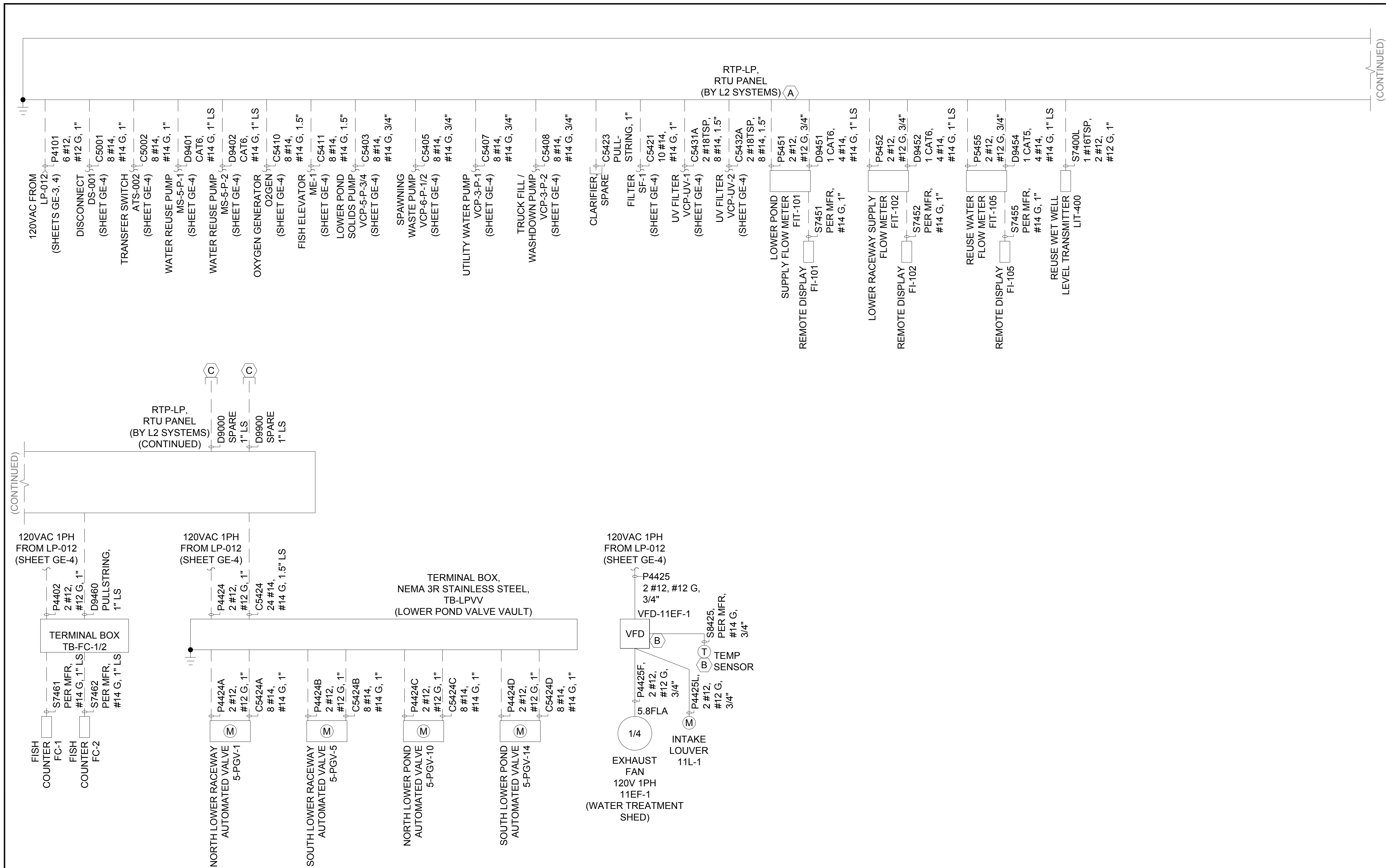
DRAWN B. SHEPARD

CHECKED W. FORTUNY

PROJECT DATE 06/29/26

DRAWING

GE-2



GENERAL SHEET NOTES

1. SEE THE GENERAL NOTES ON SHEET GE-1 AND GE-3. CONDUIT AND WIRING FOR LIGHTS AND RECEPTANCES ARE NOT SHOWN ON THIS SHEET. ALL OUTDOOR ENCLOSURES SHALL BE RATED NEMA 3R STAINLESS STEEL OR BETTER.
2. SEE THE SITE PLAN, PANEL SCHEDULES AND SINGLE LINE DIAGRAM FOR ADDITIONAL INFORMATION.
3. VCP = VENDOR CONTROL PANEL. FURNISHED BY EQUIPMENT SUPPLIER, INSTALLED BY CONTRACTOR.
4. PROVIDE RACEWAYS, CONDUCTORS, APPURTENANCES, ETC. FOR VENDOR PACKAGE EQUIPMENT PER THE MANUFACTURER'S RECOMMENDATIONS, CODE, AND CONTRACT DOCUMENTS.

 SHEET KEYNOTES

- A. COORDINATE NEW CONTROL, SIGNAL DATA INPUTS AND NEW 120VAC POWER TO THE REMOTE TERMINAL PANEL WITH THE OWNER'S SYSTEM INTEGRATOR, L2 SYSTEMS LLC. RTU PANEL RTP-P1, MS-P-1 AND MS-P-2 ARE FURNISHED BY L2 SYSTEMS LLC, AND INSTALLED AND WIRES TERMINATED BY THE CONTRACTOR.
- B. EXHAUST FAN VARIABLE FREQUENCY DRIVE (VFD) SHALL BE PROVIDED WITH: HIM (KEYPAD/DISPLAY); RELAY OUTPUT RATED TO CONTROL THE LOUVER MOTOR, AND AN ANALOG INPUT FOR THE TEMPERATURE SENSOR. PROVIDE THE TEMPERATURE SENSOR (THERMISTOR, RTD, ETC.) TO MATCH THE VFD'S ANALOG INPUT BOARD. THE VFD ENCLOSURE SHALL BE RATED NEMA 12 OR BETTER WITH NO EXPOSED ENERGIZED PARTS. VFD MAY BE NEMA 1 IF ENCLOSED IN A NEMA 12 ENCLOSURE PROVIDED WITH EXTERNALLY REMOVABLE DUST FILTERS ON THE INLET AND OUTLET AIR VENTS. PROGRAM THE VFD TO AUTOMATICALLY ADJUST THE FAN SPEED TO MAINTAIN THE ROOM TEMPERATURE AT 75 DEGREES F. PROGRAM THE VFD TO OPEN THE LOUVER WHEN THE FAN IS RUNNING.
- C. STUB OUT CONDUITS FOR FUTURE FIBER OPTIC AT LEAST 12 INCHES PAST THE BUILDING FOUNDATION AND MARK WITH STAKES AND TRACING WIRES.

A	06/29/26	RM	PRE-FINAL SUBMITTAL
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING



IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE



TULALIP TRIBES

TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT

CONDUIT DEVELOPMENT

DESIGNED M. CHAN

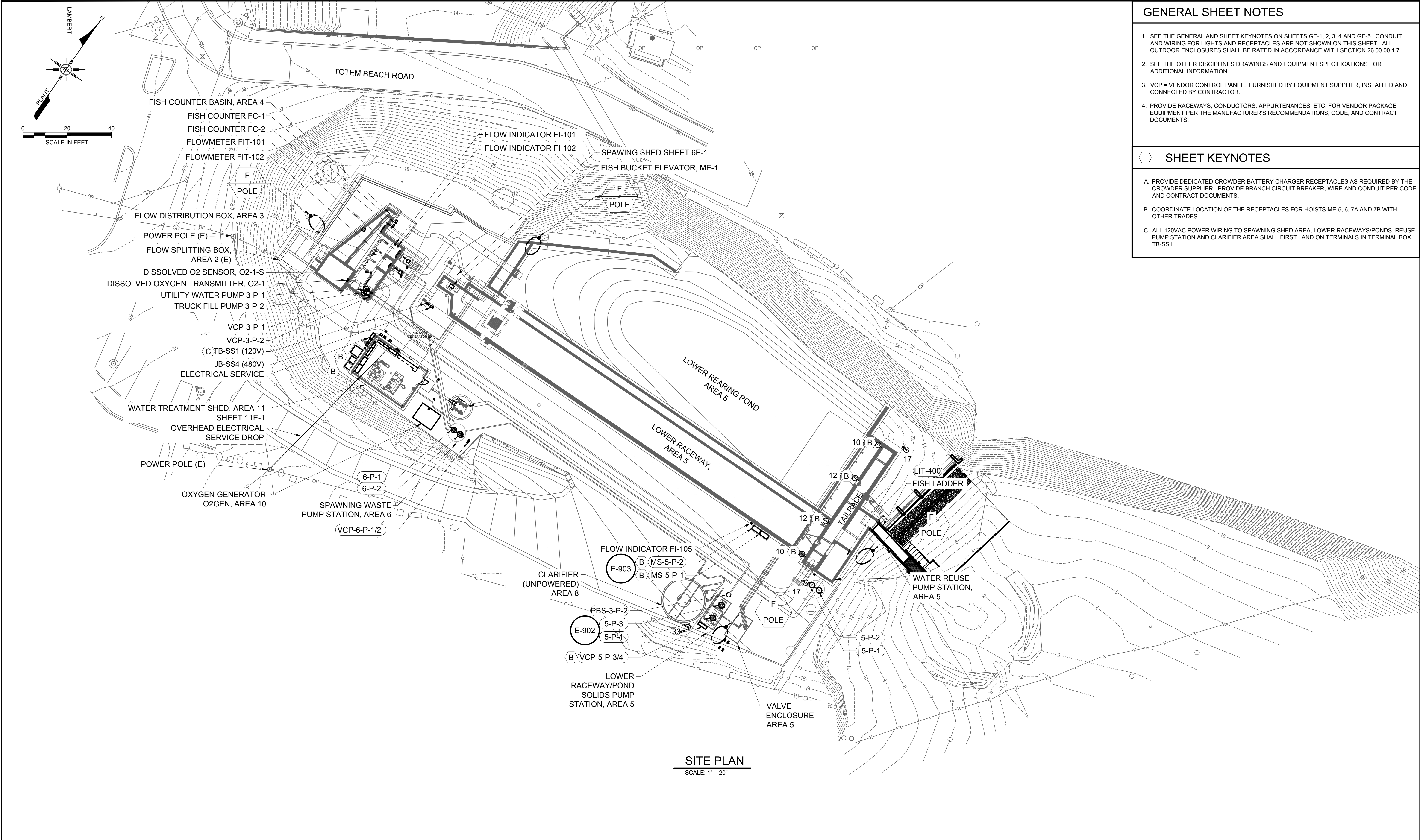
DRAWN B. SHEPARD

CHECKED W. FORTUNY

PROJECT DATE 06/29/26

DRAWING

GE-5



GENERAL SHEET NOTES

- SEE THE GENERAL AND SHEET KEYNOTES ON SHEETS GE-1, 2, 3, 4 AND GE-5. CONDUIT AND WIRING FOR LIGHTS AND RECEPTACLES ARE NOT SHOWN ON THIS SHEET. ALL OUTDOOR ENCLOSURES SHALL BE RATED IN ACCORDANCE WITH SECTION 26 00 00.1.7.
- SEE THE OTHER DISCIPLINES DRAWINGS AND EQUIPMENT SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- VCP = VENDOR CONTROL PANEL. FURNISHED BY EQUIPMENT SUPPLIER, INSTALLED AND CONNECTED BY CONTRACTOR.
- PROVIDE RACEWAYS, CONDUCTORS, APPURTENANCES, ETC. FOR VENDOR PACKAGE EQUIPMENT PER THE MANUFACTURER'S RECOMMENDATIONS, CODE, AND CONTRACT DOCUMENTS.

SHEET KEYNOTES

- A. PROVIDE DEDICATED CROWDER BATTERY CHARGER RECEPTACLES AS REQUIRED BY THE CROWDER SUPPLIER. PROVIDE BRANCH CIRCUIT BREAKER, WIRE AND CONDUIT PER CODE AND CONTRACT DOCUMENTS.
- B. COORDINATE LOCATION OF THE RECEPTACLES FOR HOISTS ME-5, 6, 7A AND 7B WITH OTHER TRADES.
- C. ALL 120VAC POWER WIRING TO SPAWNING SHED AREA, LOWER RACEWAYS/PONDS, REUSE PUMP STATION AND CLARIFIER AREA SHALL FIRST LAND ON TERMINALS IN TERMINAL BOX TB-SS1.

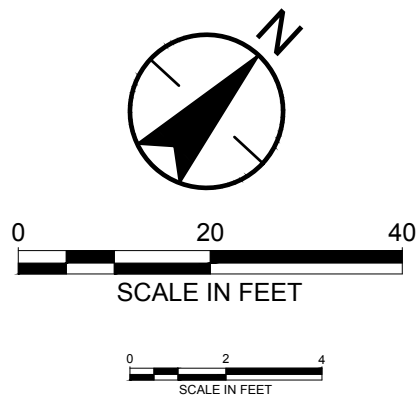
A	06/29/26	RM	PRE-FINAL SUBMITTAL	
REV	DATE	BY	DESCRIPTION	

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING
0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE



TULIP TRIBES		DESIGNED _____ M. CHAN	DRAWING 1E-1
TULIP CREEK LOWER POND IMPROVEMENTS PROJECT		DRAWN _____ B. SHEPARD	
ELECTRICAL SITE PLAN		CHECKED _____ W. FORTUNY	
		PROJECT DATE 06/29/26	



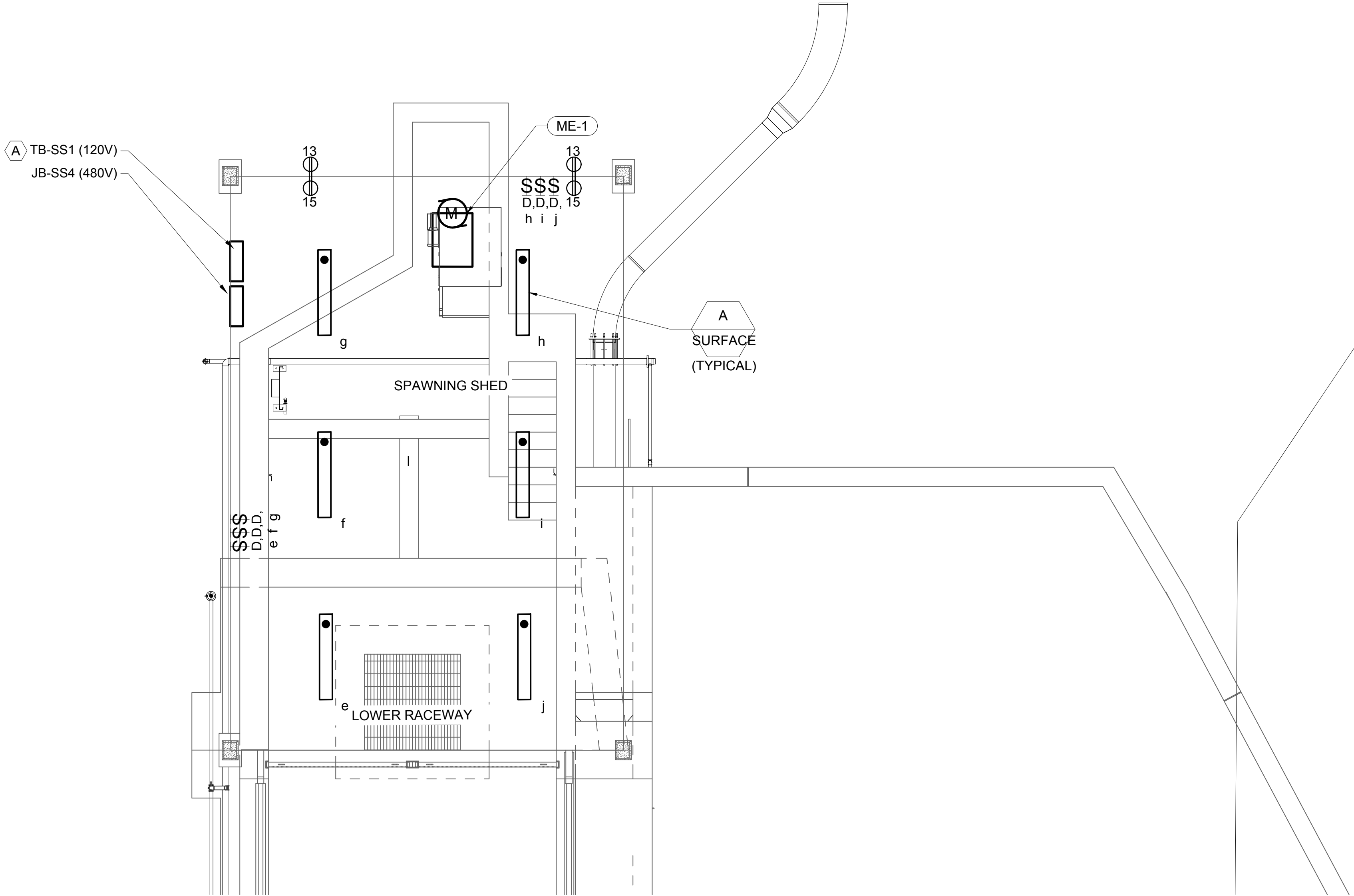
GENERAL SHEET NOTES

- 1. SEE THE GENERAL AND SHEET KEYNOTES ON SHEETS GE-1, GE-2, GE-3, GE-4 AND GE-5. CONDUIT AND WIRING FOR LIGHTS AND RECEPTACLES ARE NOT SHOWN ON THIS SHEET. ALL OUTDOOR ENCLOSURES SHALL BE RATED IN ACCORDANCE WITH SECTION 26 00 0 1.7.
- 2. SEE THE OTHER DISCIPLINES DRAWINGS AND EQUIPMENT SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- 3. VCP = VENDOR CONTROL PANEL. FURNISHED BY EQUIPMENT SUPPLIER, INSTALLED AND CONNECTED BY CONTRACTOR.
- 4. PROVIDE RACEWAYS, CONDUCTORS, APPURTENANCES, ETC. FOR VENDOR PACKAGE EQUIPMENT PER THE MANUFACTURER'S RECOMMENDATIONS, CODE, AND CONTRACT DOCUMENTS.
- 5. MOUNT OUTDOOR, WEATHER RATED, SWITCHES AND RECEPTACLES ON STRUT SUPPORTED FREESTANDING PEDESTALS AT LOCATIONS INDICATED.



SHEET KEYNOTES

- A. ALL 120VAC POWER WIRING TO SPAWNING SHED AREA, LOWER RACEWAYS/PONDS. REUSE PUMP STATION AND CLARIFIER AREA SHALL FIRST LAND ON TERMINALS IN TERMINAL BOX TB-SS1.



A	06/29/26	RM	PRE-FINAL SUBMITTAL
REV	DATE	BY	DESCRIPTION

PRELIMINARY
NOT FOR CONSTRUCTION

WARNING
0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE



TULALIP TRIBES	DESIGNED _____ M. CHAN
TULALIP CREEK LOWER POND IMPROVEMENTS PROJECT	DRAWN _____ B. SHEPARD
SPAING SHED ELECTRICAL PLAN	CHECKED _____ W. FORTUNY
	PROJECT DATE _____ 06/29/26

DRAWING
6E-1

