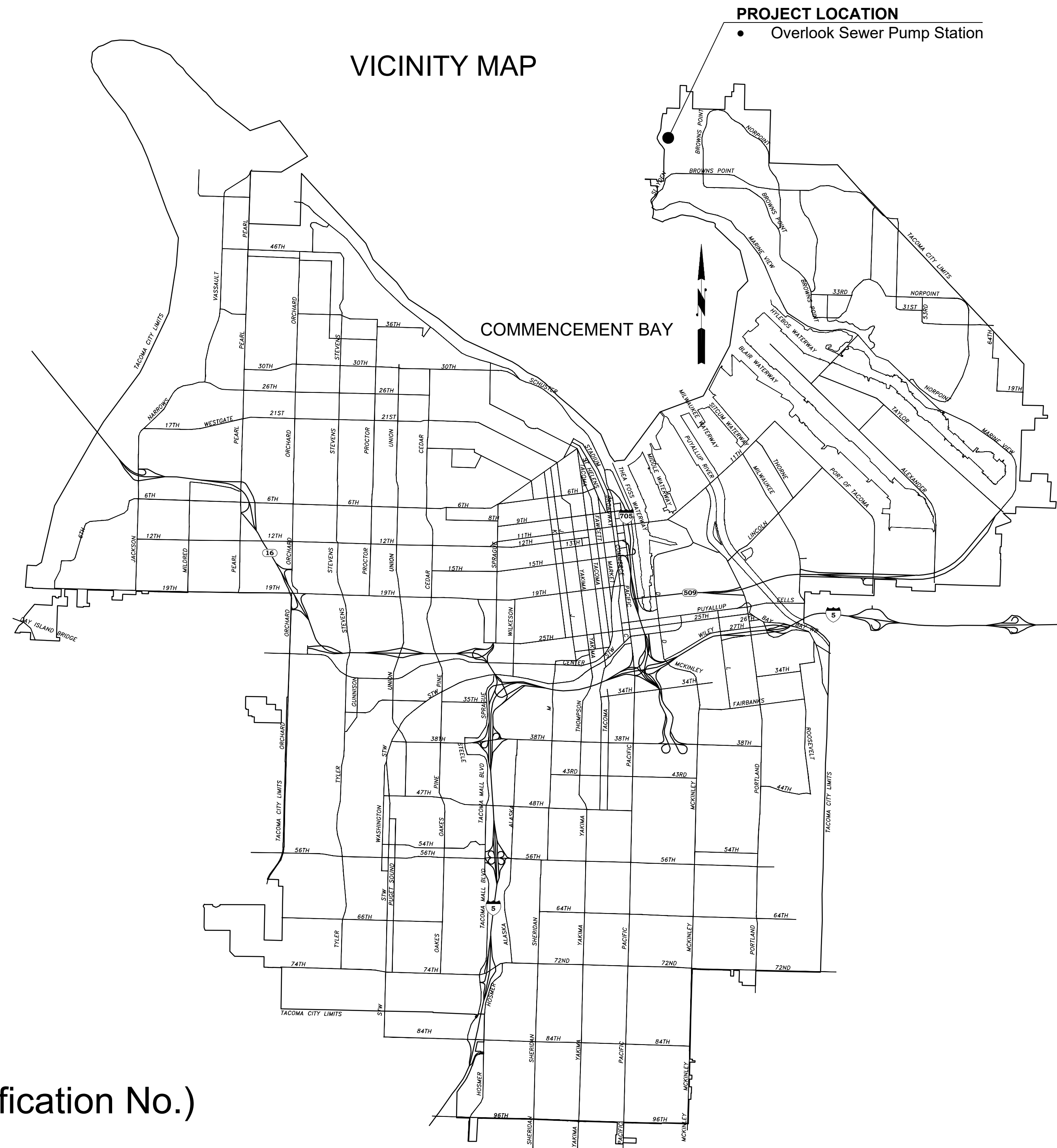


# Overlook Pump Station Rehabilitation Project

Environmental Services Department  
May 2025

## INDEX OF DRAWINGS

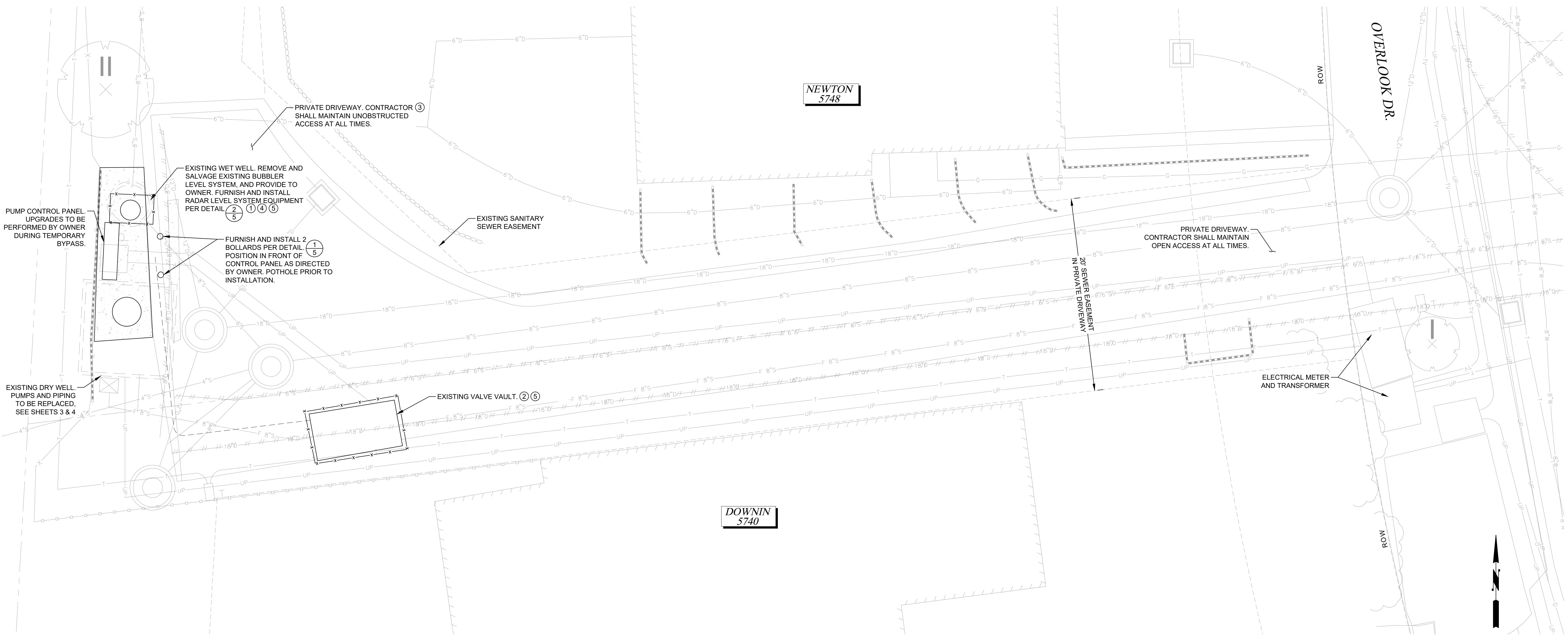
SHEET NUMBER	TITLE OF DRAWINGS
1	Cover Sheet
2	Site Plan
3	Dry Well Piping - Demolition
4	Dry Well Piping - Proposed
5	General Details
6	Lifting Point Detail



ENV-04013-08  
ES25-0089N (Specification No.)  
**BID SET**

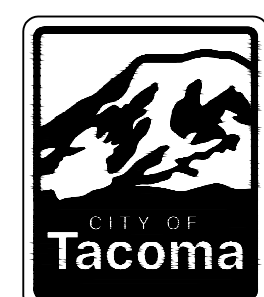
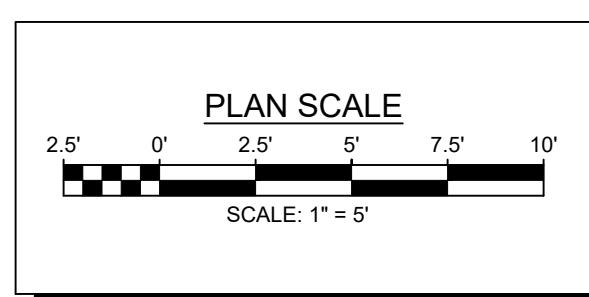
- GENERAL NOTES:**
1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND THE CONTRACT DOCUMENTS.
  2. CONTRACTOR SHALL VERIFY LOCATION OF ANY AND ALL EXISTING UTILITIES IN THE VICINITY OF WORK. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROMPTLY NOTIFY THE OWNER OF ANY CONFLICT WITH EXISTING UTILITIES.
  3. CONTRACTOR SHALL DISPOSE OF ALL MATERIALS IDENTIFIED TO BE REMOVED IN ACCORDANCE TO THE CONTRACT DOCUMENTS.
  4. CONTRACTOR SHALL REPAIR ALL DAMAGED LANDSCAPING, GRAVEL, ASPHALT, AND UTILITIES DAMAGED AT THE CONTRACTOR'S EXPENSE.
  5. ON-SITE PHYSICAL CONSTRUCTION SHALL NOT START UNTIL AFTER THE NOTICE TO COMMENCE CONSTRUCTION IS ISSUED. SEE SPECIFICATION SECTION 01\_14\_00 WORK RESTRICTIONS.

- BYPASS PUMPING NOTES:**
1. TEMPORARILY PLUG PUMP SUCTION PIPES AND BYPASS FROM WET WELL.
  2. BYPASS PUMPS SHALL DISCHARGE 400 GPM MIN. AND 600 GPM MAX. INTO THE EXISTING FORCE MAIN AT THE 8" WYE IN THE VALVE VAULT. SEE SPECIFICATION SECTION 33\_01\_31 TEMPORARY BYPASS PUMPING FOR ALL REQUIREMENTS.
  3. BYPASS PUMPS, PIPING, AND EQUIPMENT SHALL NOT OBSTRUCT ACCESS THROUGH PRIVATE DRIVEWAY.
  4. SOUND ATTENUATION REQUIRED FOR BYPASS PUMPS.
  5. PROVIDE FENCING AROUND WET WELL, VALVE VAULT, AND BYPASS PUMPS DURING TEMPORARY BYPASS.



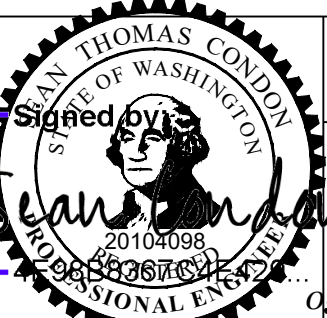
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**BID SET**



NO	REVISION	DATE	APPD

DATE	SCALE
5/20/2025	1" = 5'
DESIGNED	DRAWN
STC	STC
CHECKED	SMH
DRAWING NAME	
ENV-04013-08 PS Site Plan.dwg	



CITY OF TACOMA  
ENVIRONMENTAL SERVICES DEPARTMENT  
Overlook Pump Station Rehabilitation Project  
Site Plan

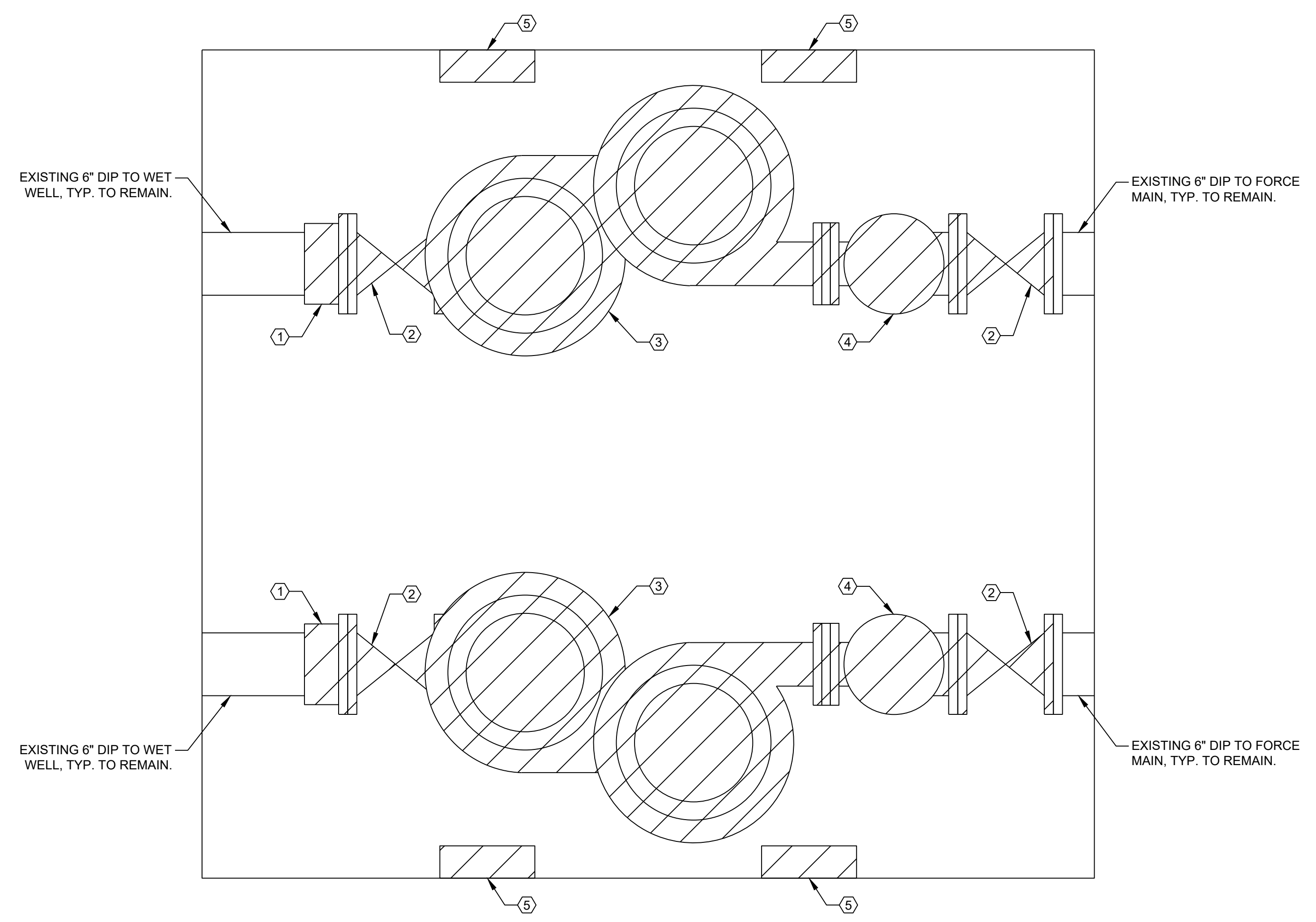
SPEC. NO.	ES25-0089N
WBS NO.	
SHEET NO.	ENV-04013-08
SHEET	2 OF 6

**GENERAL NOTES:**

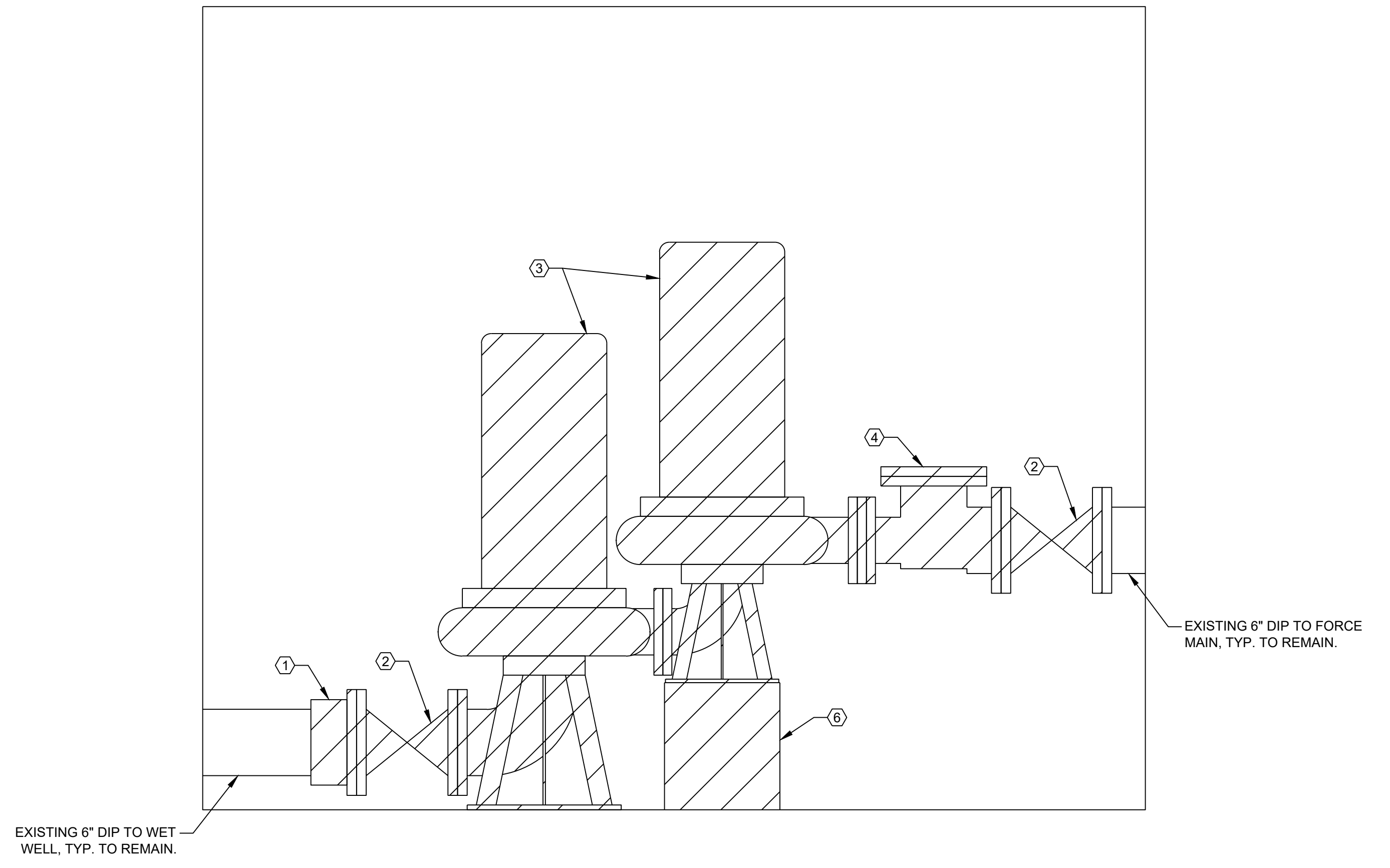
1. CONTRACTOR SHALL FIELD VERIFY ALL MEASUREMENTS BEFORE ORDERING PUMPS, PIPING, VALVES AND FITTINGS.
2. CONTRACTOR SHALL COORDINATE WITH THE OWNER A MINIMUM OF 2 WEEKS IN ADVANCE OF BYPASS OPERATION TO REMOVE AND REPLACE PUMPS AND PIPING IN DRY WELL. BYPASS PLAN AND SCHEDULE SHALL BE APPROVED BY THE OWNER BEFORE COMMENCING.
3. CONTRACTOR SHALL PROTECT ALL EXISTING INFRASTRUCTURE NOT IDENTIFIED FOR REMOVAL.
4. ON-SITE PHYSICAL CONSTRUCTION SHALL NOT START UNTIL AFTER THE NOTICE TO COMMENCE CONSTRUCTION IS ISSUED. SEE SPECIFICATION SECTION 01\_14\_00 WORK RESTRICTIONS.

**PUMP AND PIPING DEMOLITION NOTES:**

- ① REMOVE AND DISPOSE OF EXISTING FLANGE COUPLING ADAPTER.
- ② REMOVE AND DISPOSE OF EXISTING 6" PLUG VALVES.
- ③ REMOVE AND DISPOSE OF EXISTING PUMPS, MOTORS AND APPURTENANCES
- ④ REMOVE AND DISPOSE OF EXISTING CHECK VALVES
- ⑤ REMOVE AND DISPOSE OF EXISTING 60A SAFETY SWITCHES AFTER OWNER DISCONNECTS POWER. COORDINATE WITH OWNER.
- ⑥ REMOVE AND DISPOSE OF EXISTING STEEL PUMP PEDESTAL. CUT ALL PUMP MOUNTING ANCHORS FLUSH WITH FLOOR, TYPICAL FOR ALL PUMPS TO BE REMOVED.



**PLAN VIEW**  
NO SCALE

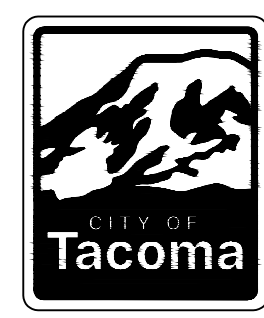


**ELEVATION VIEW**  
NO SCALE



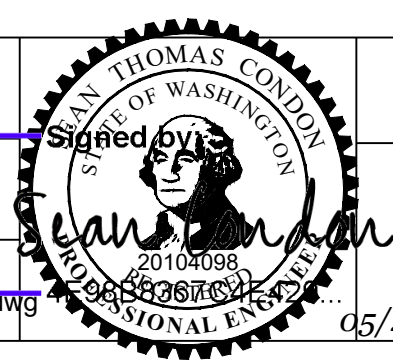
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**BID SET**



NO	REVISION	DATE	APPD

DATE	SCALE	
5/20/2025	N.T.S.	
DESIGNED	DRAWN	CHECKED
STC	STC	SMH
DRAWING NAME		
ENV-04013-08 PS Dry Well Piping.dwg		

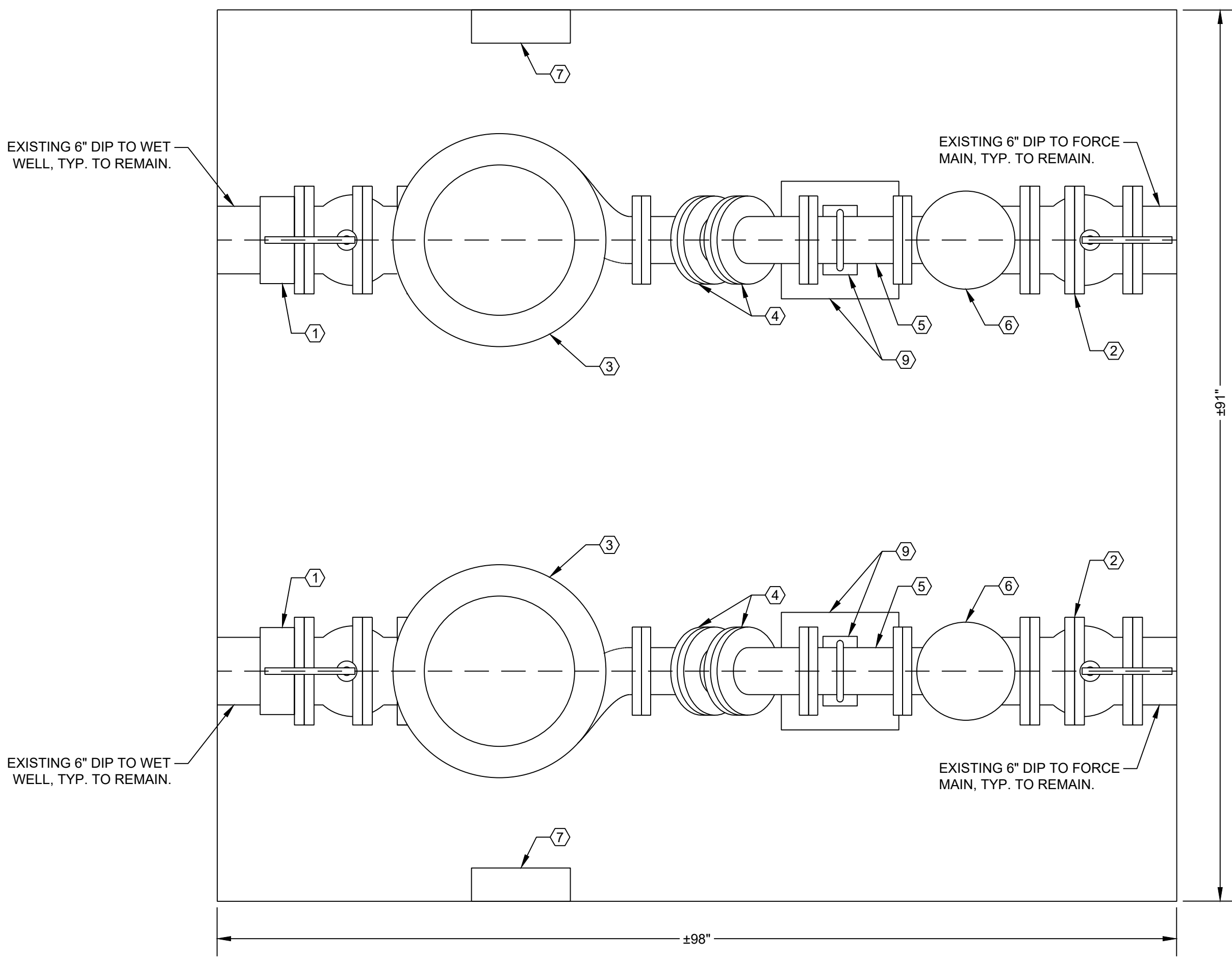


CITY OF TACOMA  
ENVIRONMENTAL SERVICES DEPARTMENT  
Overlook Pump Station Rehabilitation Project  
Dry Well - Demolition

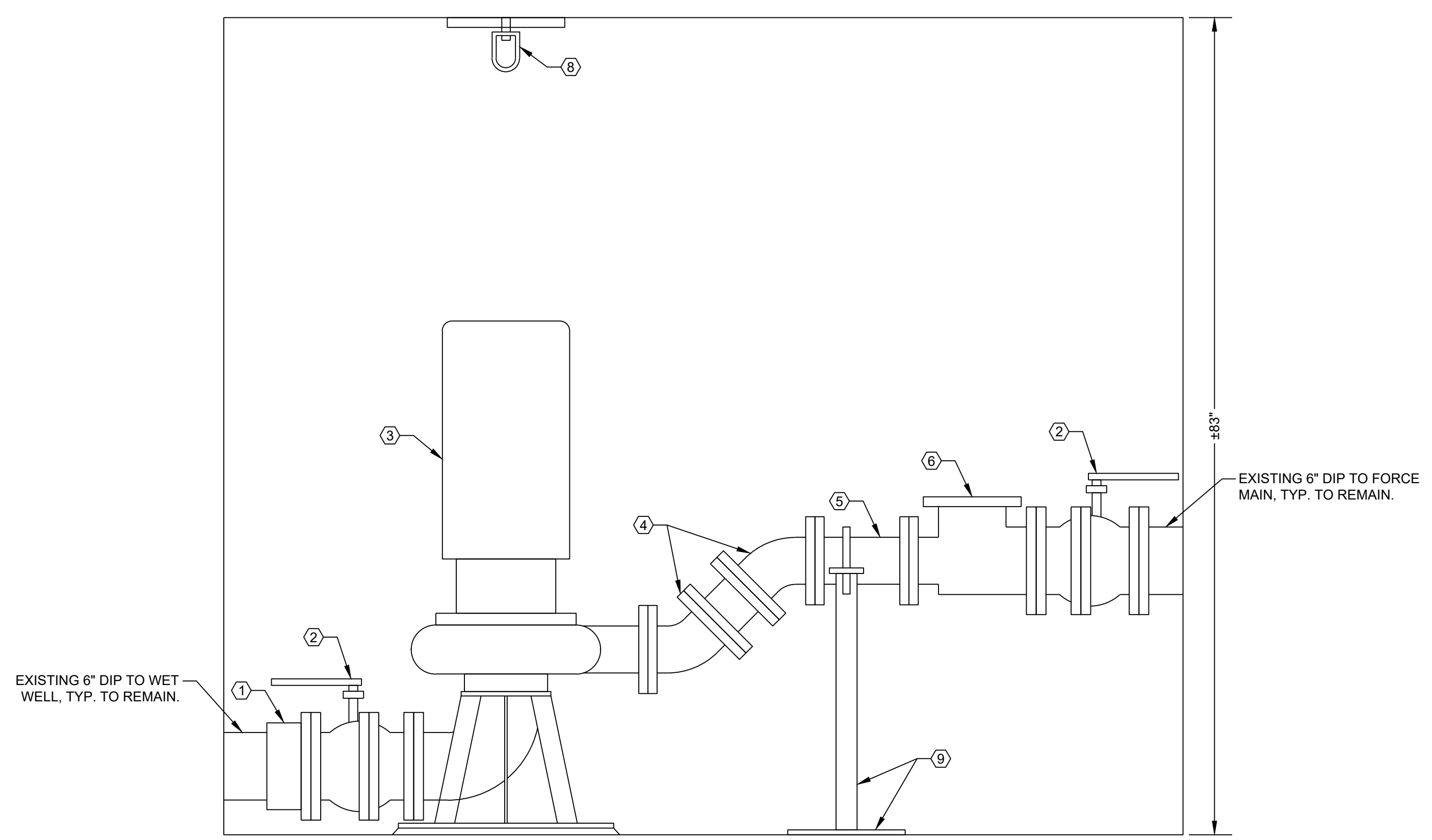
SPEC. NO.	ES25-0089N
WBS NO.	
SHEET NO.	ENV-04013-08
SHEET	3 OF 6

- GENERAL NOTES:**
1. CONTRACTOR SHALL FIELD VERIFY ALL MEASUREMENTS BEFORE ORDERING PUMPS, PIPING, VALVES AND FITTINGS.
  2. CONTRACTOR SHALL COORDINATE WITH THE OWNER A MINIMUM OF 2 WEEKS IN ADVANCE OF BYPASS OPERATION TO REMOVE AND REPLACE PUMPS AND PIPING IN DRY WELL. BYPASS PLAN AND SCHEDULE SHALL BE APPROVED BY THE OWNER BEFORE COMMENCING.
  3. ON-SITE PHYSICAL CONSTRUCTION SHALL NOT START UNTIL AFTER THE NOTICE TO COMMENCE CONSTRUCTION IS ISSUED. SEE SPECIFICATION SECTION 01\_14\_00 WORK RESTRICTIONS.

- PUMP AND PIPING CONSTRUCTION NOTES:**
1. FURNISH AND INSTALL RESTRAINED FLANGE COUPLING ADAPTER. CUT EXISTING 6" DIP AS NECESSARY TO FIT.
  2. FURNISH AND INSTALL 6" AMERICAN VALVE, INC. FLANGED BALL VALVE MODEL 4000 D WITH HANDLE. SIZE HANDLE TO FIT AS REQUIRED.
  3. FURNISH AND INSTALL CORNELL MODEL 4414T-VM-6x4-60-4 WITH A 13.63" DIAMETER IMPELLER, 60 HP/1800 RPM/230/460/3/60/TEFC MOTOR, PREMIUM EFFICIENT, HEAT TREATED 420 SS WEAR RINGS AND SHAFT SLEEVE, CORNELL CYCLOSEAL SINGLE MECHANICAL SHAFT FLUSHLESS SEAL, TUNGSTEN VS. SILICON SEAL FACES, VITON ELASTOMERS, SS HARDWARE & SPRING, VERTICAL CLOSE COUPLED CONFIGURATION, AEGIS SHAFT GROUNDING RING, INVERTER DUTY NAME-PLATE AND CORNELL 6"x4" REDUCING BASE ELBOW BM8012A. ANCHORING TO FLOOR BY MANUFACTURER'S ENGINEERED DESIGN.
  4. FURNISH AND INSTALL 4" CL 53 CERAMIC EPOXY LINED DI 45-DEGREE ELBOWS WITH INTERMEDIATE SPOOL OR FLANGE FILLERS AS REQUIRED.
  5. FURNISH AND INSTALL 4" CL 53 CERAMIC EPOXY LINED DI FLxFL SPOOL, SIZE TO FIT.
  6. FURNISH AND INSTALL FLOMATIC MODEL 90LS, AWWA C508 4"x6" SINGLE INCREASING LEVER & SPRING CHECK VALVE.
  7. SAFETY SWITCHES FOR NEW PUMPS, INSTALLED BY OWNER. COORDINATE TO ALLOW ALL OWNER-PERFORMED ELECTRICAL WORK TO BE COMPLETED DURING THE TEMPORARY BYPASS.
  8. FURNISH AND INSTALL PUMP LIFTING POINTS AS REQUIRED PER DETAIL ON SHEET 6. MINIMUM OF 1 ABOVE EACH PUMP.
  9. FURNISH AND INSTALL PHD MANUFACTURING, INC. FIGURE 876 HOT DIPPED GALVANIZED ADJUSTABLE PIPE SADDLE SUPPORT WITH U-BOLT AND FIGURE 871 HOT DIPPED GALVANIZED PIPE THREADED BASE STAND. USE 5/8" HILTI KWIK BOLT TZ2-SS316 WEDGE ANCHORS. 4 INCH EMBEDMENT. INSTALL IN ACCORDANCE WITH HILTI'S RECOMMENDATIONS.

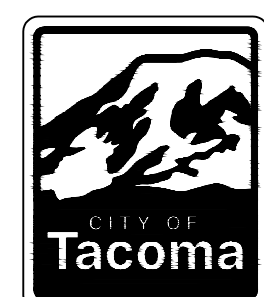


**PLAN VIEW**  
NO SCALE



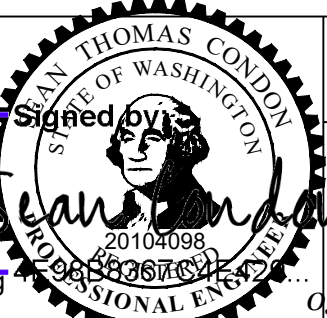
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BID SET



NO.	REVISION	DATE	APPD.

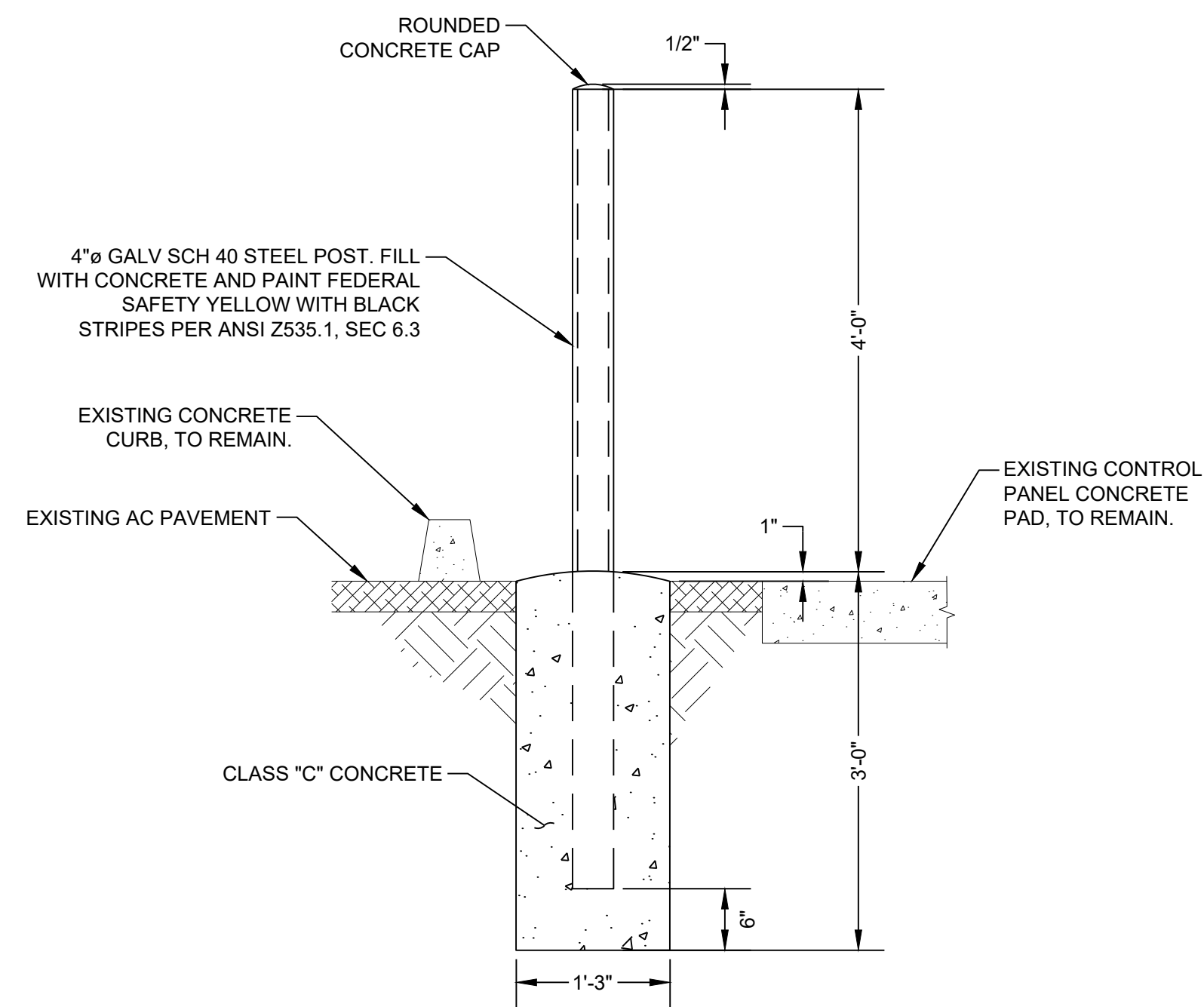
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DESIGNED	DRAWN	CHECKED
STC	STC	SMH
DRAWING NAME		
ENV-04013-08 PS Dry Well Piping.dwg		



CITY OF TACOMA  
**ENVIRONMENTAL SERVICES DEPARTMENT**  
 Overlook Pump Station Rehabilitation Project  
 Dry Well - Proposed

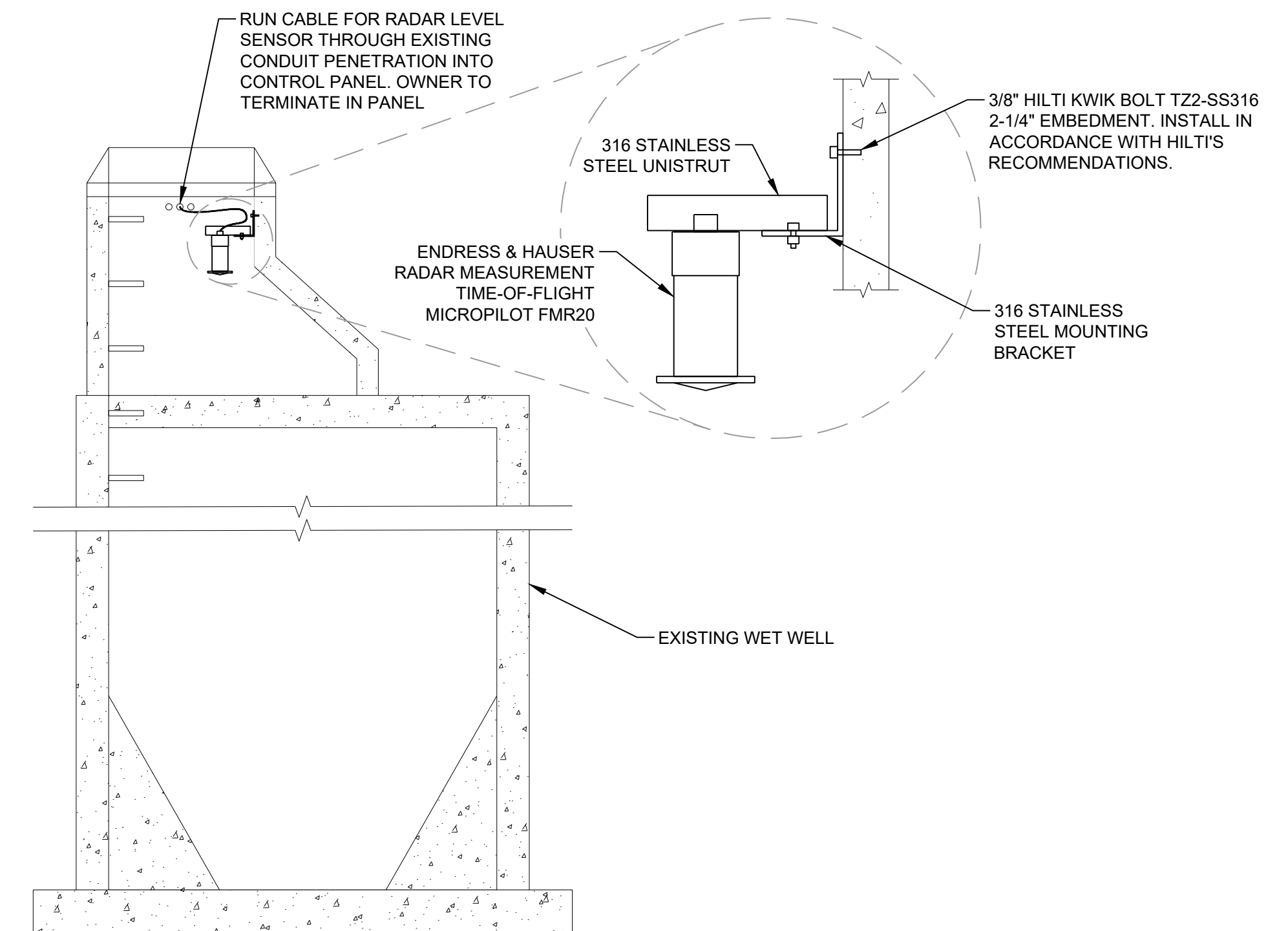
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SHEET	4 OF 6

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**BOLLARD  
DETAIL**  
NO SCALE

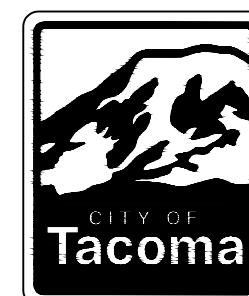
1  
TYP



**RADAR LEVEL SENSOR  
DETAIL**  
NO SCALE

2  
TYP

BID SET



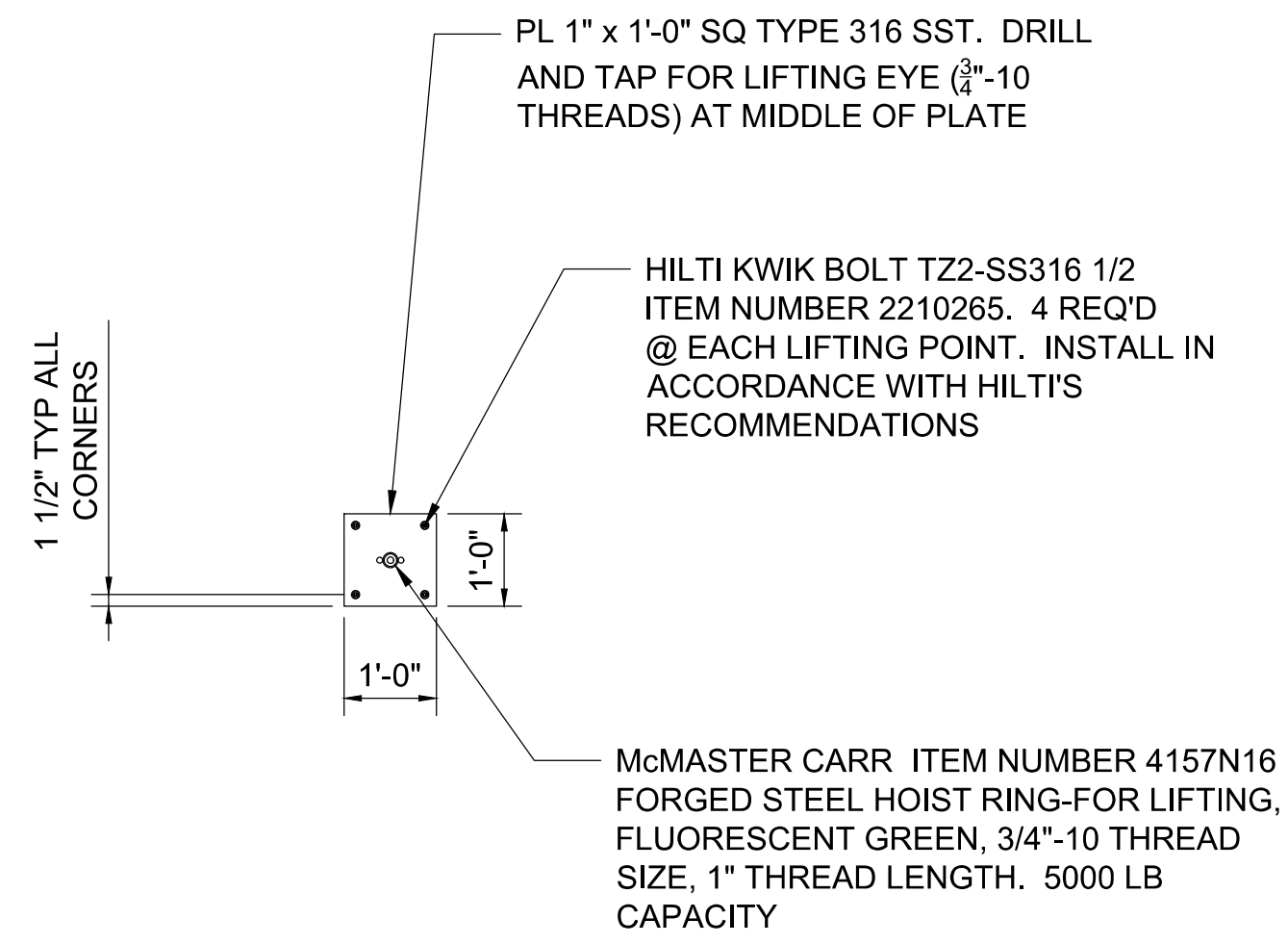
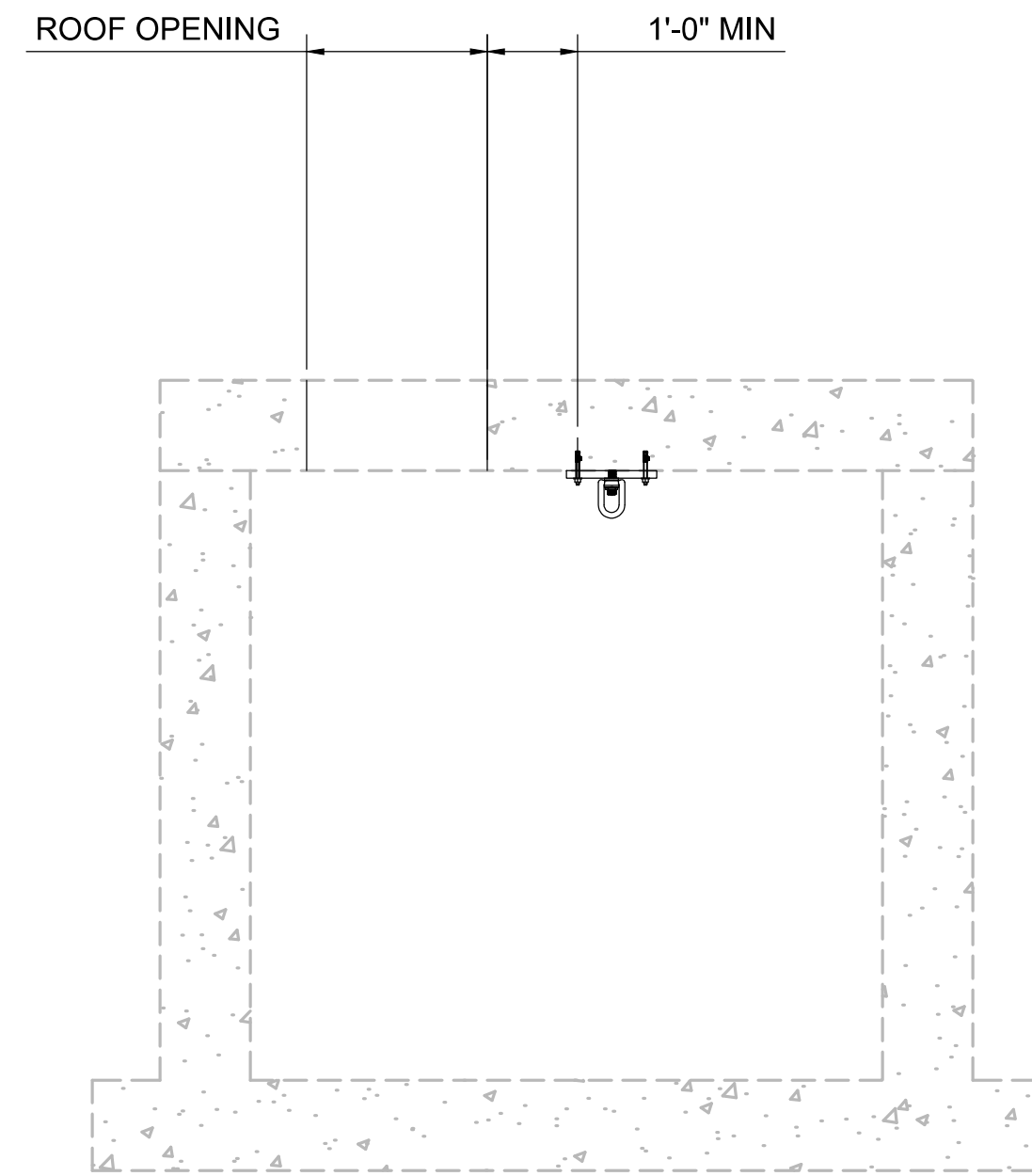
NO	REVISION	DATE	APPD

DATE	SCALE	
5/20/2025	N.T.S.	
DESIGNED	DRAWN	CHECKED
STC	STC	SMH
DRAWING NAME		
ENV-04013-08 PS Details.dwg		



CITY OF TACOMA  
ENVIRONMENTAL SERVICES DEPARTMENT  
Overlook Pump Station Rehabilitation Project  
General Details

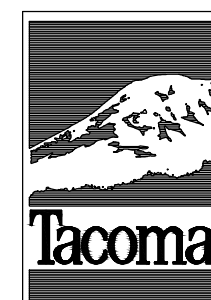
SPEC. NO.	ES25-0089N
WBS NO.	
SHEET NO.	ENV-04013-08
SHEET	5 OF 6



**OVERLOOK PUMP STATION  
1 TON CAPACITY SWL LIFTING POINT**

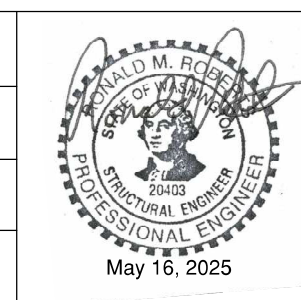
**DETAIL**

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



NO	REVISION	DATE	APPD

FINAL CONSTRUCTION CHECKED	DATE 5/16/2025	SCALE 1/2" = 1'-0"
BY RMR	DESIGNED RMR	CHECKED
DATE	DRAWN RMR	PROJECT NAME
FIELD BOOKS	DRAWING NAME	



CITY OF TACOMA  
ENVIRONMENTAL SERVICES DEPARTMENT  
**OVERLOOK PUMP STATION REHABILITATION PROJECT  
LIFTING POINT DETAIL**

SPEC. NO.	ES25-0089N
WBS NO.	ENV-04013-08
SHEET NO.	6 OF 6