

PRINT DATE: 8/27/26 PLOT SCALE: 1:186.91 EDIT DATE: 8/27/26 - 2:18 PM EDITED BY: RHJNT DRAWING FILE: P:\00-6314 SWEETSER WW IMPROVEMENTS\5 ACAD\PLAN SHEETS & WORKING DRAWINGS\006314 TITLE SHEET.DWG

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M200	WWTP BUILDING LAYOUT MECHANICAL SCHEDULES AND DETAILS

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA 46987

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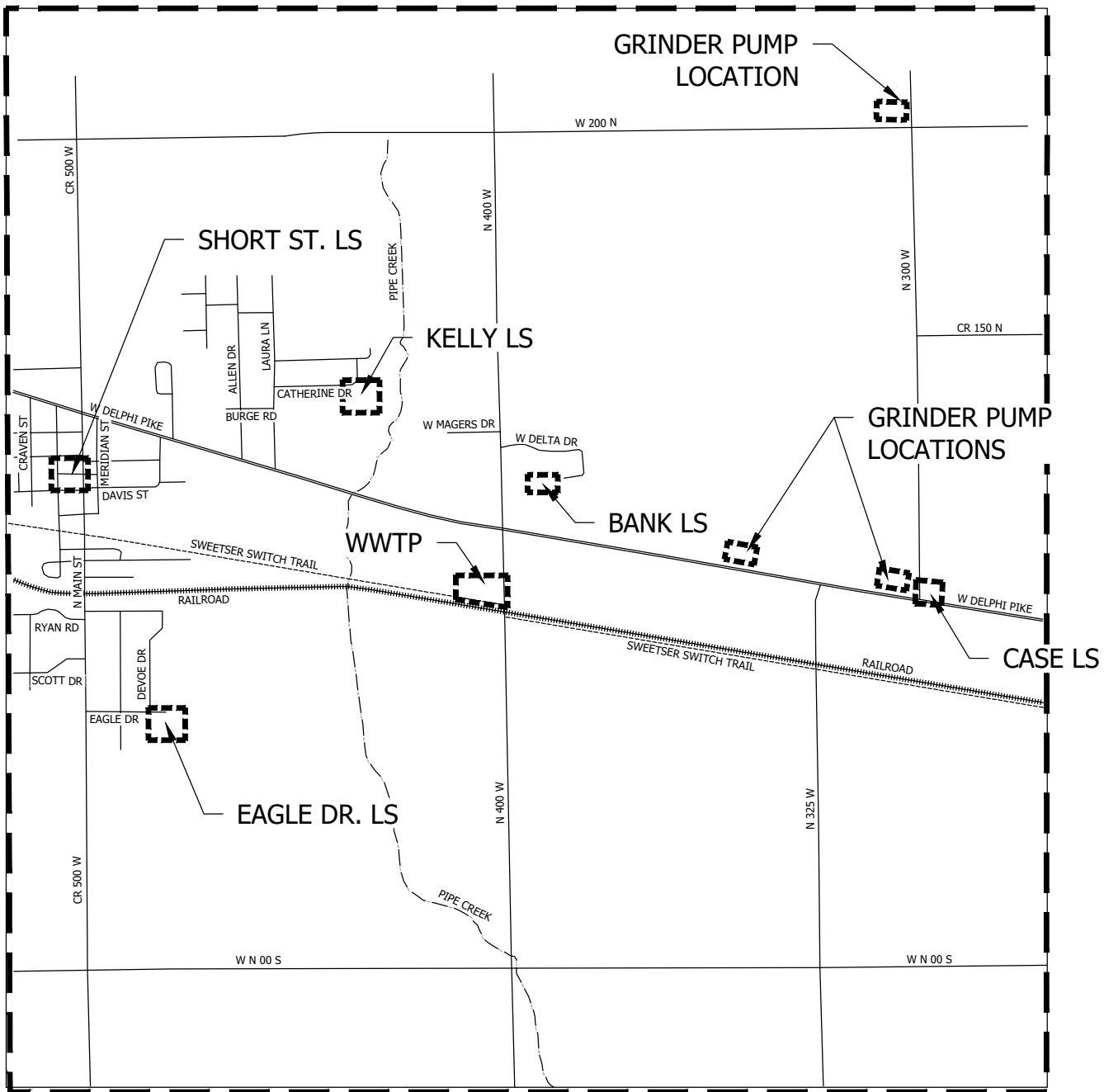
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SITE VICINITY MAP

NOT TO SCALE



SITE LOCATION MAP

NOT TO SCALE

REVISIONS		
REVISION NUMBER	REVISION DESCRIPTION	DATE

FLOOD NOTE:
THE ACCURACY OF ANY FLOOD HAZARD DATA SHOWN ON THESE PLANS IS SUBJECT TO MAP SCALE UNCERTAINTY AND TO ANY OTHER UNCERTAINTY IN LOCATION OR ELEVATION ON THE REFERENCED FLOOD INSURANCE RATE MAP. THE WITHIN DESCRIBED TRACT OF LAND LIES WITHIN FLOOD HAZARD ZONE A AND ZONE X AS SAID TRACT PLOTS BY SCALE ON COMMUNITY PANEL NUMBER 18053C0109F DATED 10/30/2025 FOR THE FLOOD INSURANCE RATE MAPS FOR GRANT COUNTY, INDIANA (TOWN OF SWEETSER 180503 & GRANT COUNTY 180435).



BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

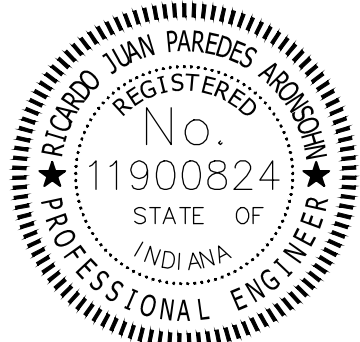
Project #: 400-6314

Designed By: RJPA

Drawn By: RLH

Checked By: ALC

Date: 08/28/2026



Ricardo Juan Paredes

TITLE SHEET

T001

PRINT DATE: 8/27/26
PLOT SCALE: 1:1

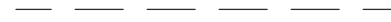
DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\5 ACAD\PLAN SHEETS & WORKING DRAWINGS\4006314 GENERAL NOTES AND SHEET INDEX.DWG

EDT DATE: 5/22/26 - 10:37 AM EDITED BY: RLHJNT

GENERAL NOTES

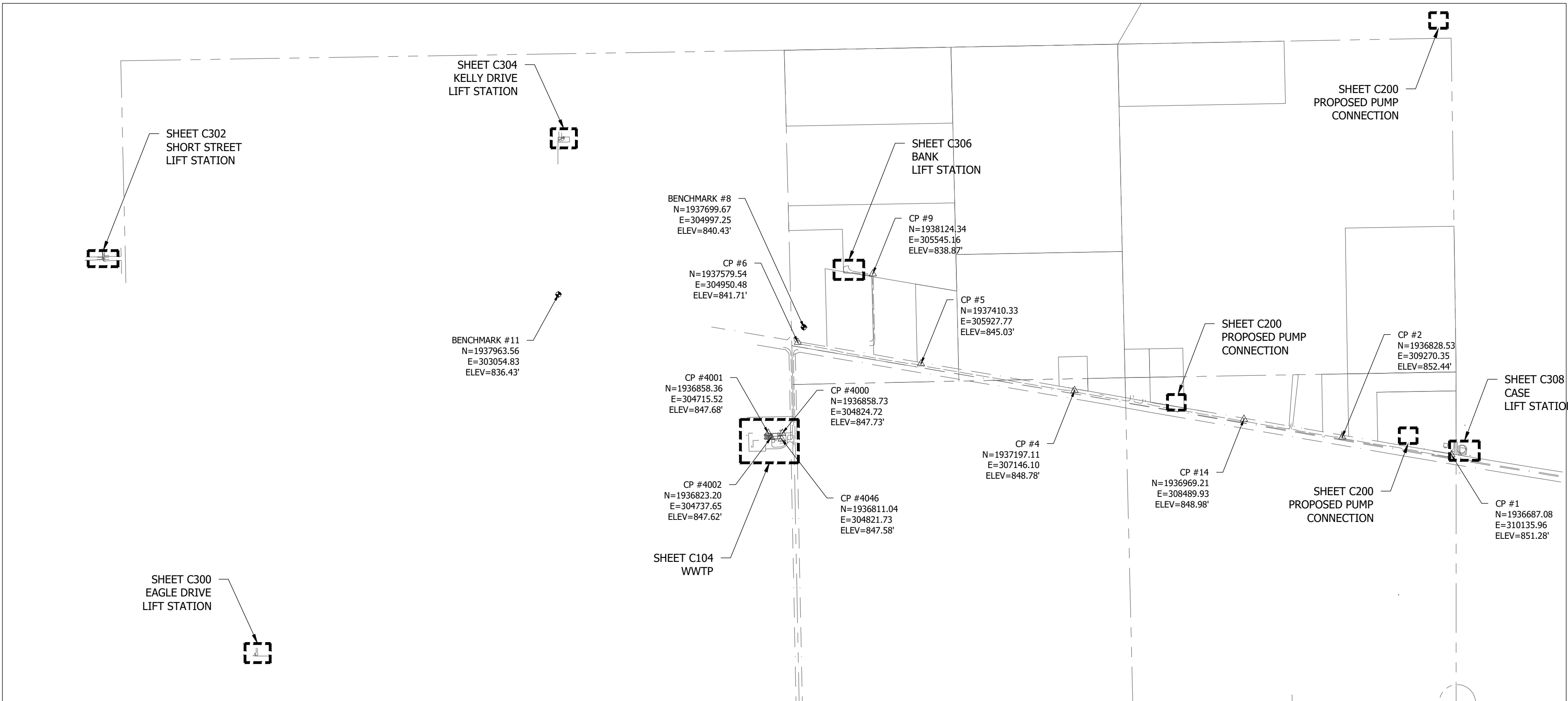
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS FOR THIS PROJECT. ADDITIONS, DELETIONS, AND/OR REVISIONS SHALL NOT BE MADE WITHOUT PRIOR APPROVAL BY THE ENGINEER. KEEP AND MAINTAIN IN GOOD CONDITION A COMPLETE SET OF THE CONTRACT DOCUMENTS ON THE JOB SITE AT ALL TIMES.
- ALL WORK SHALL COMPLY WITH LOCAL, STATE, AND FEDERAL CODES, ORDINANCES, RULES, REGULATIONS, ORDERS, AND OTHER LEGAL REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
- IN THE EVENT THAT THE CONTRACTOR DISCOVERS A DISCREPANCY IN THE CONTRACT DOCUMENTS OR POTENTIAL UTILITY CONFLICT, NOTIFY THE ENGINEER IMMEDIATELY FOR CLARIFICATION PRIOR TO PROCEEDING WITH THE CONSTRUCTION OF THE PORTION OF THE WORK IN QUESTION. FIELD LOCATE ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. VERTICAL AND HORIZONTAL LOCATIONS TO BE CONFIRMED. ANY NECESSARY PIPE MODIFICATIONS SHALL BE MADE BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- CONSTRUCTION SHALL NOT COMMENCE UNTIL ALL LOCAL NECESSARY PERMITS HAVE BEEN OBTAINED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING, OR VERIFYING, THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE CITY, COUNTY, AND STATE AGENCIES PRIOR TO STARTING CONSTRUCTION.
- ALL RIGHT-OF-WAY AND PROPERTY LINES AND EASEMENTS ARE APPARENT AND WERE DETERMINED BASED UPON AVAILABLE INFORMATION. VERIFY ALL RIGHT-OF-WAY AND PROPERTY LINES. STAKE ALL RIGHT-OF-WAY, PROPERTY, AND EASEMENT LINES THROUGHOUT THE DURATION OF CONSTRUCTION.
- CONSTRUCTION STAKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. PROPERTY LINES AND RIGHT-OF-WAY SHALL BE STAKED FOR THE DURATION OF CONSTRUCTION ACTIVITIES.
- PROTECT ALL EXISTING UTILITIES FROM DAMAGE, IN A MANNER APPROVED BY THE UTILITY COMPANIES AND THE ENGINEER. COORDINATE WITH UTILITY COMPANIES AS NECESSARY TO COMPLETE THE WORK. PROTECT BENCH MARKS, SURVEY CONTROL POINTS, AND EXISTING STRUCTURES FROM UNNECESSARY DAMAGE OR DISPLACEMENT.
- PROVIDE ALL AUTOMOBILE AND PEDESTRIAN TRAFFIC CONTROL DEVICES REQUIRED BY FEDERAL, STATE, OR LOCAL AGENCIES. THE AMOUNT, LOCATION, AND SIZE SHALL BE AS REQUIRED IN ACCORDANCE WITH MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- DURING CONSTRUCTION IT MAY BE NECESSARY TO TRIM OR REMOVE A TREE WITHIN THE RIGHT-OF-WAY OR AN EASEMENT. NOTIFY THE ENGINEER, OWNER, AND ANY AFFECTED PROPERTY OWNER PRIOR TO ANY REQUIRED TREE REMOVAL. TREE TRIMMING AS REQUIRED WITHIN THE RIGHT-OF-WAY OR EASEMENT SHALL BE MINIMIZED. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR TREE REMOVAL OR TRIMMING.
- ALL DISTURBED AREAS, INCLUDING, BUT NOT LIMITED TO, STREETS, DRIVES, WALKS, LAWNS, FENCES, RETAINING WALLS, ETC. SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE ALL MUD, DIRT, GRAVEL, AND ANY OTHER MATERIALS TRACKED ONTO ANY PUBLIC OR PRIVATE STREETS, PARKING LOTS, OR WALKS. THIS MATERIAL REMOVAL OR SWEEPING OF THE STREETS SHALL BE DONE AS FREQUENTLY AS NECESSARY TO MAINTAIN AREAS REASONABLY CLEAN. AIRBORNE DUST SHALL BE KEPT TO A MINIMUM BY USING WATER OR OTHER METHODS AS NECESSARY.
- PROVIDE TEMPORARY GRASS SEED WITHIN 7-DAYS OF ALL EARTH DISTURBING ACTIVITIES.
- PROVIDE AND MAINTAIN ALL NECESSARY STRAW BALES, FILTER FENCE, INLET PROTECTION ETC. IN EXISTING AND PROPOSED DITCHES, CULVERTS, STORM PIPES, AND DRAINAGE STRUCTURES TO PREVENT DAMAGE. BIO-DEGRADABLE EROSION CONTROL DEVICES SHOULD BE PLACED IN ALL DISTURBED DRAINAGE DITCHES WITH DEPTHS GREATER THAN 12".
- REGRADE AREAS AS NECESSARY WITHIN THE CONSTRUCTION LIMITS TO ALLOW PROPER DRAINAGE TO EXISTING STORM SEWER STRUCTURES.
- MAINTAIN 10'-0" HORIZONTAL AND 1'-6" VERTICAL SEPARATION FROM STORM AND SEWER MAIN, UNLESS SPECIFICALLY NOTED IN THE PLANS.
- PROVIDE FILL AROUND PROPOSED AND EXISTING PIPING AT ALL OPEN-CUT UTILITY CROSSINGS TO ADEQUATELY SUPPORT AND PROTECT EACH CONDUIT.
- PRESERVE EXISTING RIGHT-OF-WAY MARKERS. IF RIGHT-OF-WAY MARKERS ARE DISTURBED, RESET MARKERS AT NO ADDITIONAL COST TO THE OWNER.
- CALL LOCAL UTILITY LINE INFORMATION SERVICE NOT LESS THAN THREE WORKING DAYS BEFORE PERFORMING WORK. REQUEST UNDERGROUND UTILITIES TO BE LOCATED AND MARKED WITHIN AND SURROUNDING CONSTRUCTION AREAS. IDENTIFY REQUIRED LINES, LEVELS, CONTOURS, AND DATUM LOCATIONS.
- ESTABLISH TEMPORARY TRAFFIC CONTROL LAND DETOURS WHEN TRENCHING IS PERFORMED IN PUBLIC RIGHT-OF-WAY. RELOCATE CONTROLS AND REROUTE TRAFFIC AS REQUIRED DURING PROGRESS OF WORK.
- DO NOT LEAVE MORE THAN 50 FEET OF TRENCH OPEN AT END OF WORKING DAY. PROTECT OPEN TRENCH TO PREVENT DANGER TO THE PUBLIC.
- STOCKPILE EXCAVATED AND FILL MATERIALS ON SITE AT LOCATIONS APPROVED BY OWNER. STOCKPILE IN SUFFICIENT QUANTITIES TO MEET PROJECT SCHEDULE AND REQUIREMENTS. SEPARATE DIFFERENT AGGREGATE MATERIALS WITH DIVIDERS OR STOCKPILE QUANTITIES TO MEET PROJECT SCHEDULE AND REQUIREMENTS, SEPARATE DIFFERENT AGGREGATE MATERIALS WITH DIVIDERS OR STOCKPILE INDIVIDUALLY TO PREVENT MIXING. DIRECT SURFACE WATER AWAY FROM STOCKPILE SITE TO PREVENT EROSION OR DETERIORATION OF MATERIALS. STOCKPILE CLEANUP; REMOVE STOCKPILE, AND LEAVE AREA IN CLEAN AND NEAT CONDITION. GRADE SITE SURFACE TO PREVENT FREE STANDING SURFACE WATER.
- FINAL CONTOURS: PERFORM FINISH GRADING AND BLEND TO CONFORM WITH REMAINING NATURAL GROUND SURFACES. LEAVE ALL FINISHED GRADING SURFACES SMOOTH AND FIRM TO DRAIN. FINISH GRADES TO ELEVATIONS WITHIN PLUS OR MINUS 0.10 FOOT OF EXISTING OR CONTOUR SHOWN.
- ALL ELEVATIONS AT CONSTRUCTION LIMITS SHALL MATCH EXISTING GRADE. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT STACKED GRADES MATCH DESIGN ELEVATIONS AND POSITIVE DRAINAGE TO STORMWATER MANAGEMENT SYSTEM IS ACHIEVED. CONTACT ENGINEER IF DESIGN ELEVATIONS DO NOT PROVIDE POSITIVE DRAINAGE.

LINETYPES LEGEND

LINE TYPE	CIVIL TYPE
 R/W	EXISTING RIGHT-OF-WAY
	PROPERTY LINE
	EXISTING UTILITY EASEMENT
	EXISTING BUILDING
	EXISTING EDGE OF GRAVEL
	EXISTING EDGE OF CONCRETE
	EXISTING EDGE OF PAVEMENT
	EXISTING FENCE LINE
	EXISTING CONTOUR
	EXISTING CROWN OF ROAD
	EXISTING TOE OF SLOPE
	EXISTING TOP OF BANK
	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING TELEPHONE
	EXISTING FIBER OPTIC LINE
	EXISTING ELECTRICAL
	EXISTING TELECOMMUNICATIONS
	EXISTING WATER
	EXISTING GAS
	PROPOSED CONTOUR
	PROPOSED FENCE

SYMBOLS LEGEND

	SURVEY BENCHMARK		EXISTING GAS METER
	SURVEY CONTROL POINT		EXISTING TELECOM VAULT
	EXISTING POWER POLE W/ LIGHT		EXISTING TELECOM CABINET
	EXISTING POWER POLE		EXISTING TELECOM PEDESTAL
	EXISTING POWER POLE GUY WIRE		EXISTING WATER VALVE
	EXISTING LIGHT POLE		EXISTING WATER METER
	EXISTING BRACE POLE		EXISTING TREES (CONIF./ DECID.)
	EXISTING ELECTRICAL STRUCTURE		EXISTING BOLLARD
	EXISTING ELECTRIC METER		EXISTING STREET SIGN
	EXISTING ELECTRICAL EQUIPMENT		EXISTING MAILBOX
	EXISTING SANITARY STRUCTURE		
	EXISTING LIFT STATION STRUCTURE		
	EXISTING SANITARY CLEANOUT		
	LIFT STATION RISER PIPE		
	EXISTING STORM STRUCTURES		



SHEET INDEX MAP
NOT TO SCALE



BID SET

SWEETSER WASTEWATER
IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

Project #: 400-6314

Designed By: RJPA

Drawn By: RLH

Checked By: ALC

Date: 08/28/2026

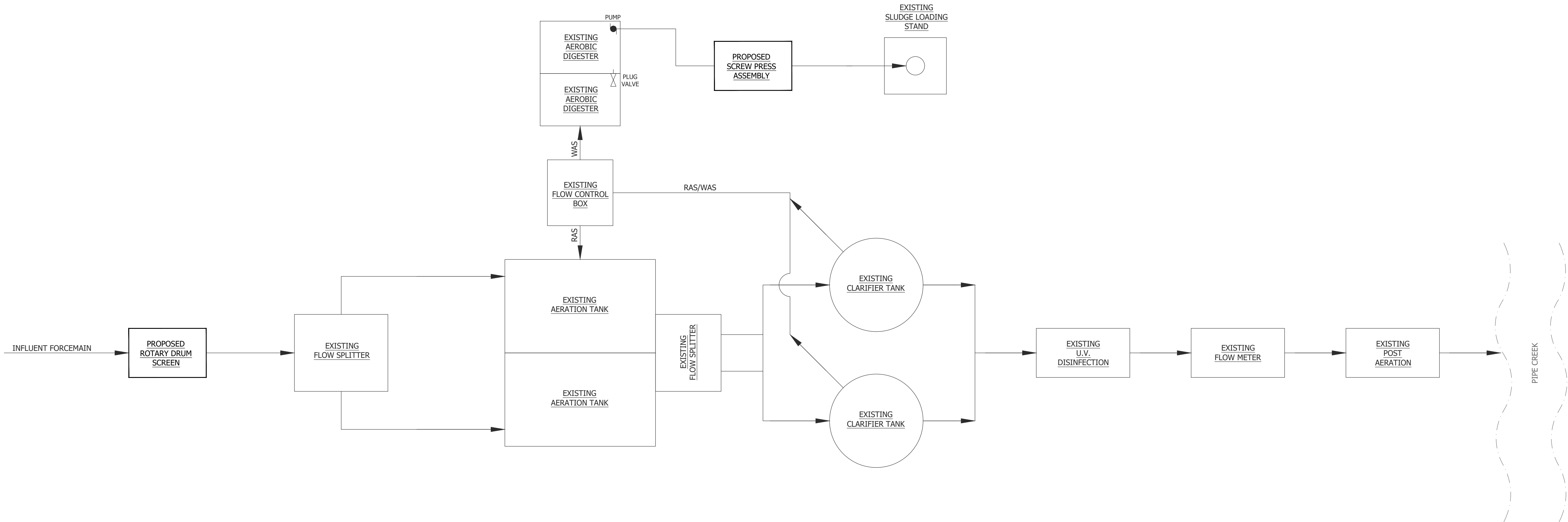


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GENERAL NOTES AND
SHEET INDEX

G100

PRINT DATE: 8/27/26
PLOT SCALE: 1:1
DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\5 ACOPLAN SHEETS & WORKING DRAWINGS\4006314 PROCESS FLOW DIAGRAM.DWG
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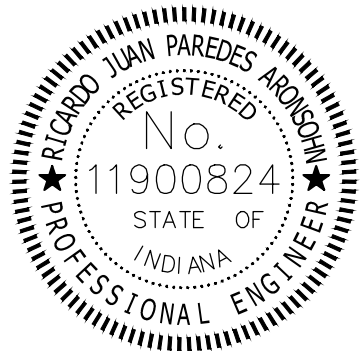
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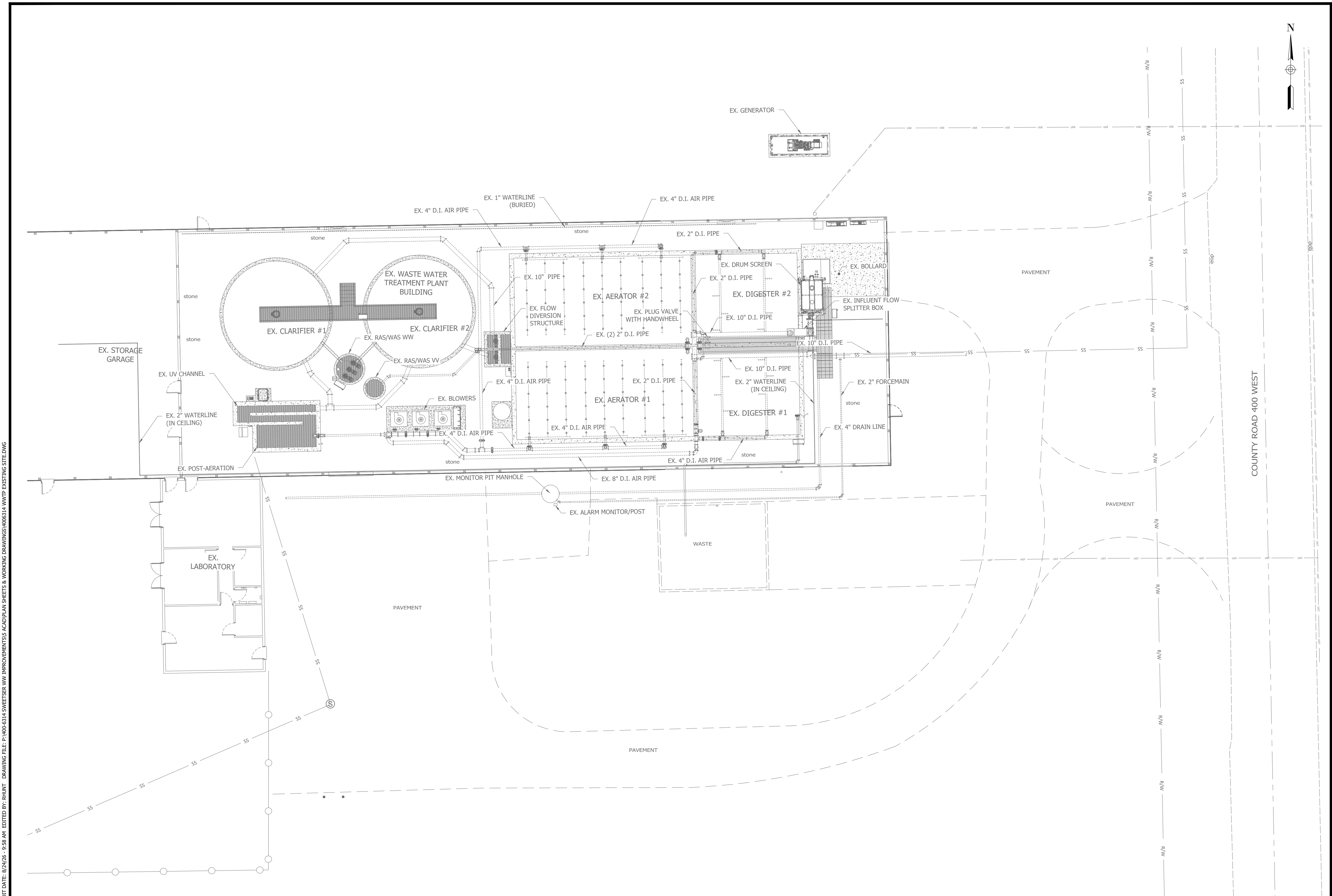


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PROCESS FLOW DIAGRAM

D100

PRINT DATE: 8/27/26
PLOT SCALE: 1" = 10'-0"



EXISTING WWTP - OVERALL SITE PLAN
SCALE: 1" = 10'-0"



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SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

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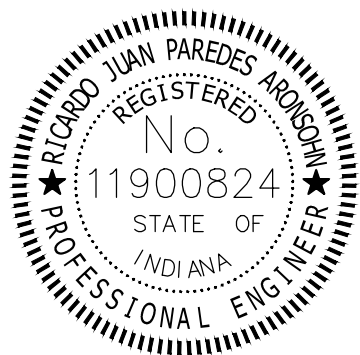
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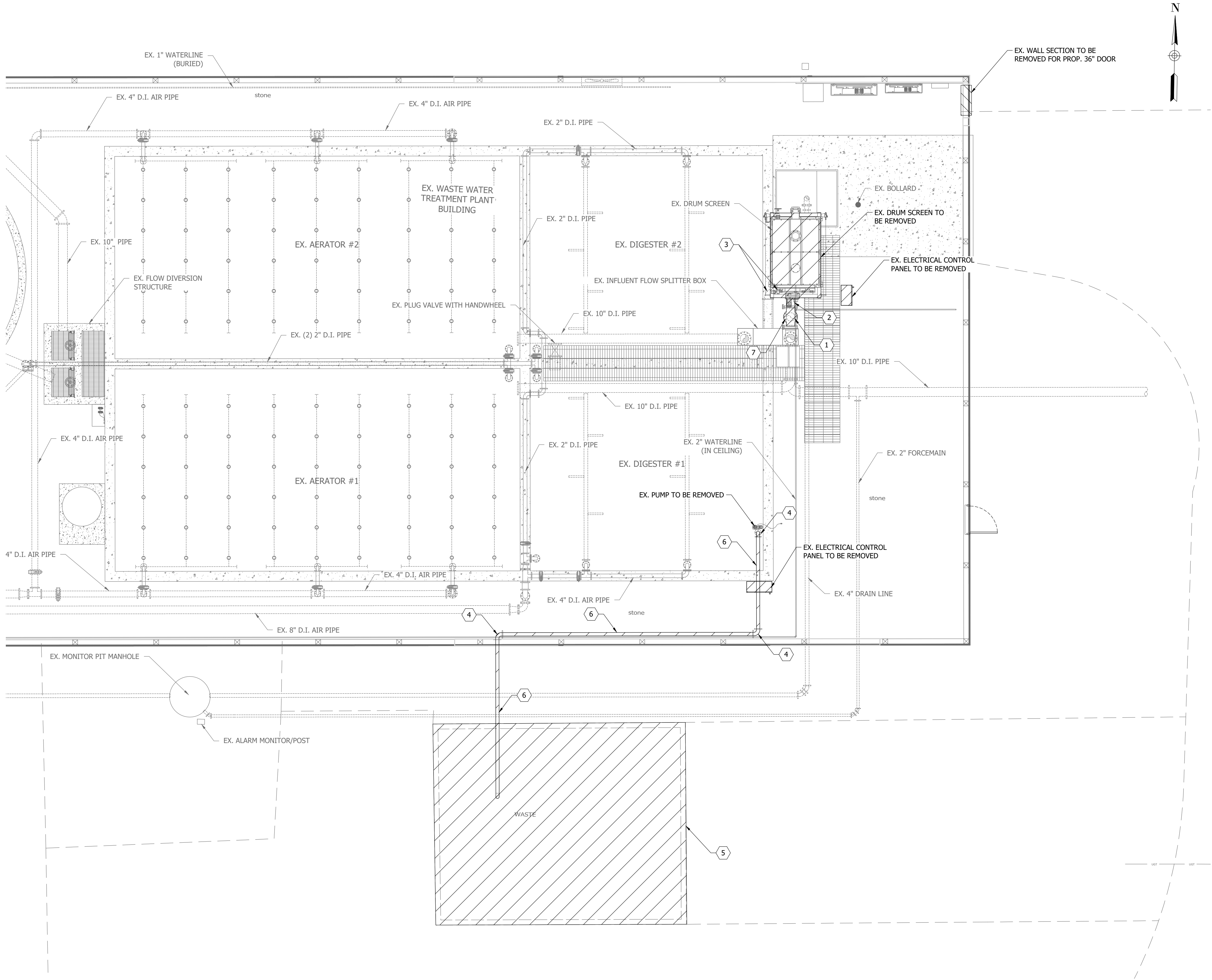
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EXISTING WWTP - OVERALL SITE PLAN

C100

PRINT DATE: 8/27/26
PLOT SCALE: 1:1
DRAWING FILE: P:400-6314 SWEETSER WW IMPROVEMENTS ACAD/PLAN SHEETS & WORKING DRAWINGS 4006314 WWTP EXISTING SITEDWG
EDIT DATE: 8/24/26 9:58 AM
EDITED BY: RHUNT



EXISTING WWTP - DEMOLITION PLAN
SCALE: 1" = 5'-0"

DEMOLITION NOTES

1. THE CONTRACTOR SHALL REMOVE ALL MUD, DIRT AND ANY OTHER MATERIALS TRACKED ONTO ANY PUBLIC OR PRIVATE STREETS OR SIDEWALKS. THE CONTRACTOR SHALL UTILIZE MEASURES TO CONTROL DUST AT ALL TIMES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING OR VERIFYING THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE CITY, COUNTY, AND STATE AGENCIES PRIOR TO STARTING CONSTRUCTION.
3. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO COMMENCING DEMOLITION.
4. CONDUCT DEMOLITION AND CONSTRUCTION OPERATIONS TO ENSURE MINIMAL INTERFERENCE WITH STREETS, WALKS, AND OTHER ADJACENT OCCUPIED STRUCTURES.
5. ALL UTILITIES TO BE REMOVED SHALL BE DISCONNECTED AND CAPPED AT THE NEAREST CONNECTION POINT, UNLESS SPECIFIED OTHERWISE.
6. UTILITIES ARE SHOWN TO BE APPROXIMATE. THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY(S) COMPANY FOR THE REMOVAL, RELOCATION, AND/OR DEMOLITION OF ALL EXISTING UTILITIES.
7. ALL DEMOLISHED MATERIALS SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF-SITE UNLESS NOTED OTHERWISE.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING PROPER DRAINAGE IN DEMOLITION AREAS.
9. THE USE OF ANY TYPE OF EXPLOSIVES WILL NOT BE PERMITTED.
10. PROMPTLY REPAIR ANY DAMAGE TO ADJACENT FACILITIES CAUSED BY DEMOLITION AND CONSTRUCTION OPERATIONS AT NO EXTRA COST TO THE OWNER.
11. DEMOLITION ITEMS INCLUDE BUT ARE NOT LIMITED TO DEMOLITION ITEMS INDICATED ON THIS PLAN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE OR RELOCATE ITEMS WHICH INTERFERE WITH NEW CONSTRUCTION.
12. THE OWNER/DEVELOPER AND/OR CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING QUALITY CONTROL AT ALL TIMES DURING THE CONSTRUCTION PROCESS.
13. CONTACT OWNER IMMEDIATELY IF CONTAMINATED SOILS ARE ENCOUNTERED DURING CONSTRUCTION. CONTAMINATED SOILS MUST BE HAULED OFF-SITE AND PROPERLY DISPOSED.
14. ALL DEMOLITION WORK IS TO BE COMPLETE INCLUDING REMOVAL OF DEMOLISHED MATERIALS AND EQUIPMENT.
15. TARGET BYPASS FLOWS FOR THE INCOMING PLANT PIPING ARE:
A. AVERAGE DESIGN FLOW: 0.2 MGD
B. PEAK DESIGN FLOW: 0.865 MGD

KEY NOTES

- | | |
|---|--|
| 1 | EXISTING 10"x10" TEE TO BE REMOVED |
| 2 | EXISTING 10" REDUCER TO BE REMOVED |
| 3 | EXISTING 10" 90° BEND TO BE REMOVED |
| 4 | EXISTING 6" 90° BEND TO BE REMOVED |
| 5 | EXISTING CONCRETE SLAB TO BE REMOVED |
| 6 | EXISTING 6" SUCTION LINE AND HANGERS TO BE REMOVED |
| 7 | EXISTING 8" FLOW METER TO BE REMOVED |



BID SET

SWEETSER WASTEWATER
IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

Project #: 400-6314

Designed By: RJPA

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Ricardo Juan Paredes



EXISTING WWTP -
DEMOLITION PLAN

C101

PRINT DATE: 8/27/26
PLOT SCALE: 1" = 10' - 0"

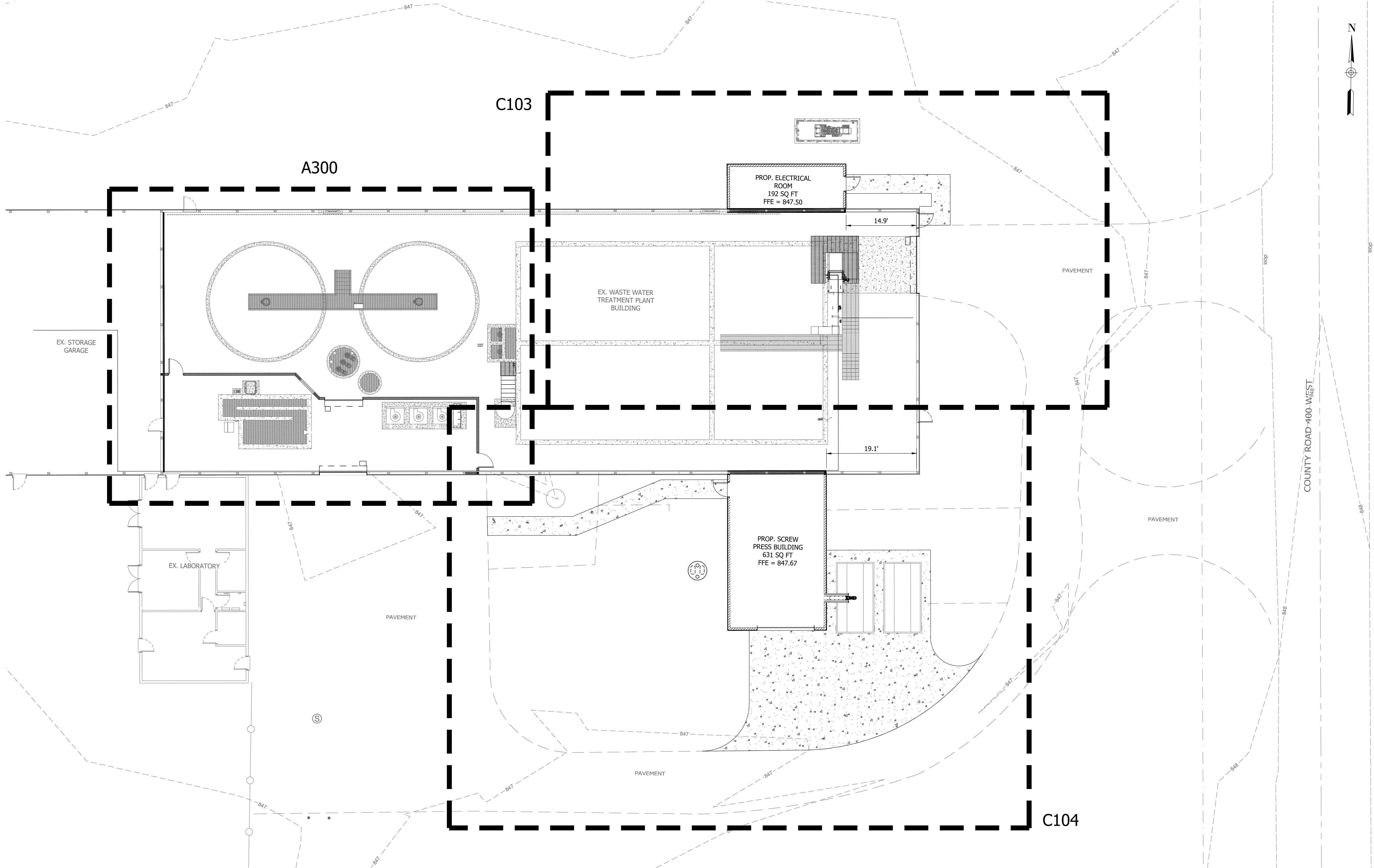
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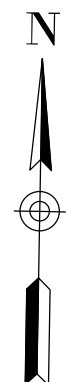
DRAWING FILE: P:400-6314 SWEETSER WW IMPROVEMENTS

ACAD/PLAN SHEETS & WORKING DRAWINGS

4006314 WWTP PROPOSED SITE IMPROVEMENTS AND GRADING.DWG



OVERALL PROPOSED SITE PLAN
SCALE: 1" = 10' - 0"



COUNTY ROAD 460 WEST



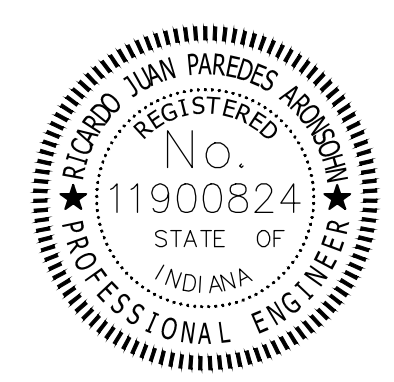
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Checked By:	ALC
Date:	08/28/2026



Richard Juan Paredes



EXISTING WWTP -
OVERALL PROPOSED SITE
IMPROVEMENTS PLAN

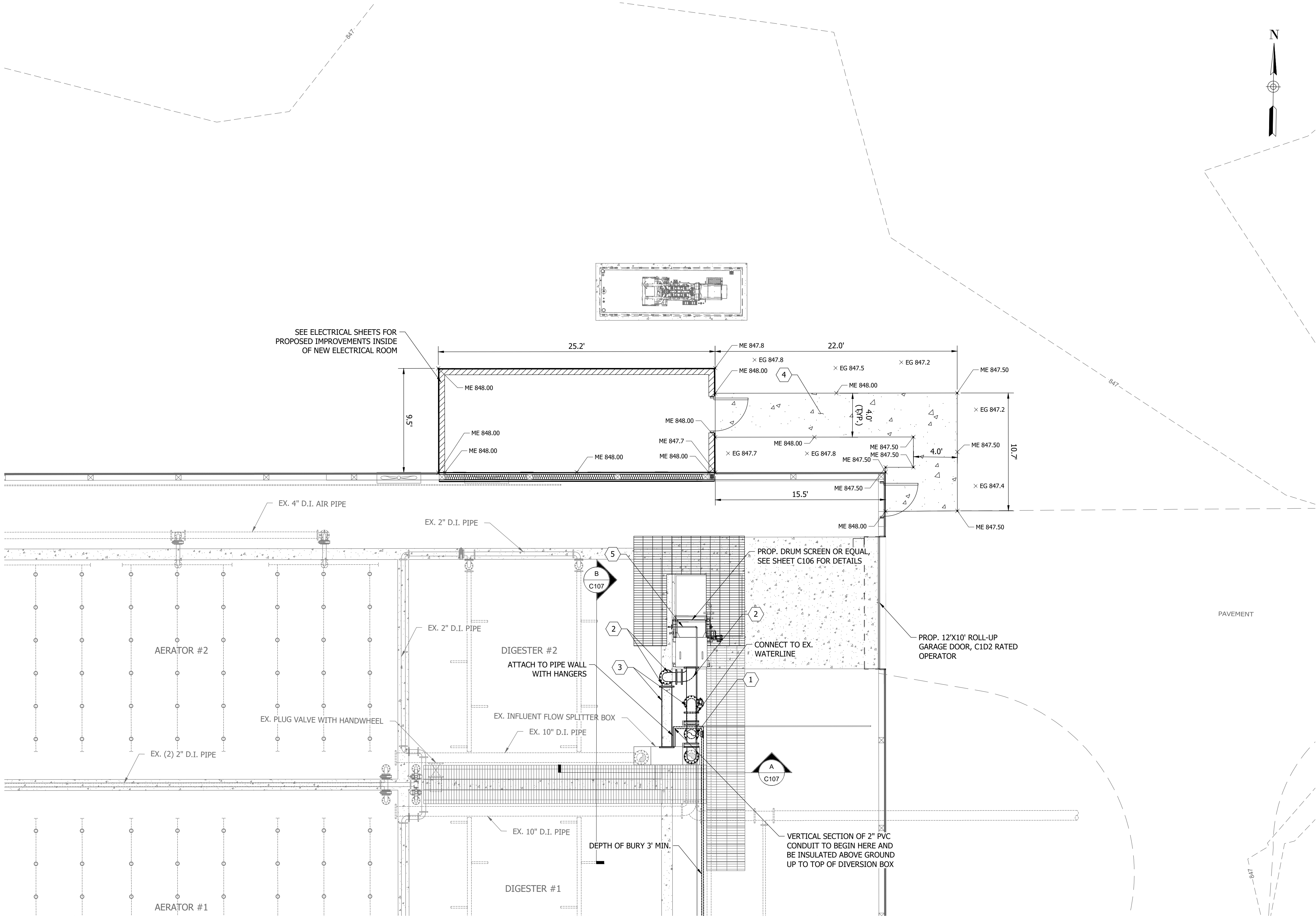
C102

PRINT DATE: 8/27/26
PLOT SCALE: 1" = 5'-0"

DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\6 ACAD\PLAN SHEETS & WORKING DRAWINGS\4006314 WWTP PROPOSED SITE IMPROVEMENTS AND GRADING.DWG

EDITED BY: RHUNT

EDT DATE: 8/26/26 7:43 AM



EXISTING WWTP - PROPOSED GRADING, SCREENING AND SITE IMPROVEMENTS PLAN
SCALE: 1" = 5'-0"

KEY NOTES	
1	PROPOSED 10"X10" D.I. TEE
2	PROPOSED 10" D.I. 90° BEND
3	PROPOSED 10" D.I. PIPE
4	STANDARD DUTY CONCRETE SIDEWALK, SEE DETAIL ON SHEET C801
5	1" PVC WATER LINE (HEAT TRACE)

- GRADING PLAN NOTES
- ALL ELEVATIONS AT CONSTRUCTION LIMITS SHALL MATCH EXISTING GRADE.
 - TOPSOIL SHALL BE PLACED IN ALL LANDSCAPE AND YARD AREAS WITH A MINIMUM DEPTH OF 6".
 - MAINTAIN SITE DRAINAGE AT ALL TIMES DURING EARTHWORK OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY DRAINAGE FACILITIES IF NECESSARY THROUGHOUT CONSTRUCTION.
 - CONTOURS SHOW GRADING INTENT. THE CONTRACTOR MUST USE PROPOSED SPOT GRADE ELEVATIONS AND PROFILES TO BUILD SITE. CONTACT ENGINEER IF ADDITIONAL SPOT GRADES ARE NEEDED FOR CONSTRUCTION.
 - PAVEMENT AREAS SHALL BE CONSTRUCTED OF SUITABLE FILL MATERIAL AND COMPACTED PER SPECIFICATIONS. FILL AREAS FOR PAVEMENTS ARE TO BE STRIPPED OF ALL TOPSOIL PRIOR TO PLACEMENT OF FILL.
 - ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING THAT STAKED GRADES MATCH DESIGN ELEVATIONS AND POSITIVE DRAINAGE TO STORMWATER MANAGEMENT SYSTEM IS ACHIEVED. CONTACT ENGINEER IF DESIGN ELEVATIONS DO NOT PROVIDE POSITIVE DRAINAGE.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EARTHWORK QUANTITIES AND INCLUDE ANY NECESSARY EXPORT OR IMPORT OF MATERIAL. IMPORT MATERIAL SHALL BE PRE-APPROVED BY THE ENGINEER/ARCHITECT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE EXISTING CONDITIONS AND INCLUDE IN THEIR BID ALL EARTHWORK COSTS INCLUDING IMPORTS AND/OR EXPORTS NECESSARY TO MAKE THE SITE BALANCE.
 - CONTRACTOR TO ADJUST ALL EXISTING SURFACE INFRASTRUCTURE (HYDRANTS, VALVES, HANDHOLES, CASTINGS, IRRIGATION SYSTEM, UTILITY PEDESTALS, ETC.) AS REQUIRED TO MEET PROPOSED GRADE AT NO COST TO OWNER.
 - PROVIDE POSITIVE DRAINAGE WITHOUT PONDING IN ALL AREAS. AFTER INSTALLATION, CONTRACTOR TO TEST FOR AND CORRECT, IF ANY, STANDING WATER CONDITIONS AT NO COST TO OWNER.
 - CONTRACTOR TO PERPETUATE ANY SUBSURFACE DRAIN TILES OR PIPES ENCOUNTERED DURING CONSTRUCTION AND PROVIDE POSITIVE POSITIVE OUTLET TO DOWNSTREAM RECEIVING SYSTEM. CONTRACTOR TO NOTIFY THE ENGINEER WITH ANY CIRCUMSTANCES WHERE THIS CANNOT BE ACCOMPLISHED.

- SITE PLAN NOTES
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING OR VERIFYING, THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE MUNICIPAL, COUNTY AND STATE AGENCIES PRIOR TO STARTING CONSTRUCTION.
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 - ALL PRESSURIZED PIPING TO UTILIZE D.I.M.J. RESTRAINED JOINT FITTINGS.



BID SET

SWEETSER WASTEWATER
IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

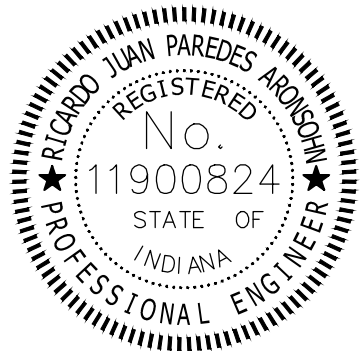
Project #: 400-6314

Designed By: RJPA

Drawn By: RLH

Checked By: ALC

Date: 08/28/2026



Richard Juan Paredes



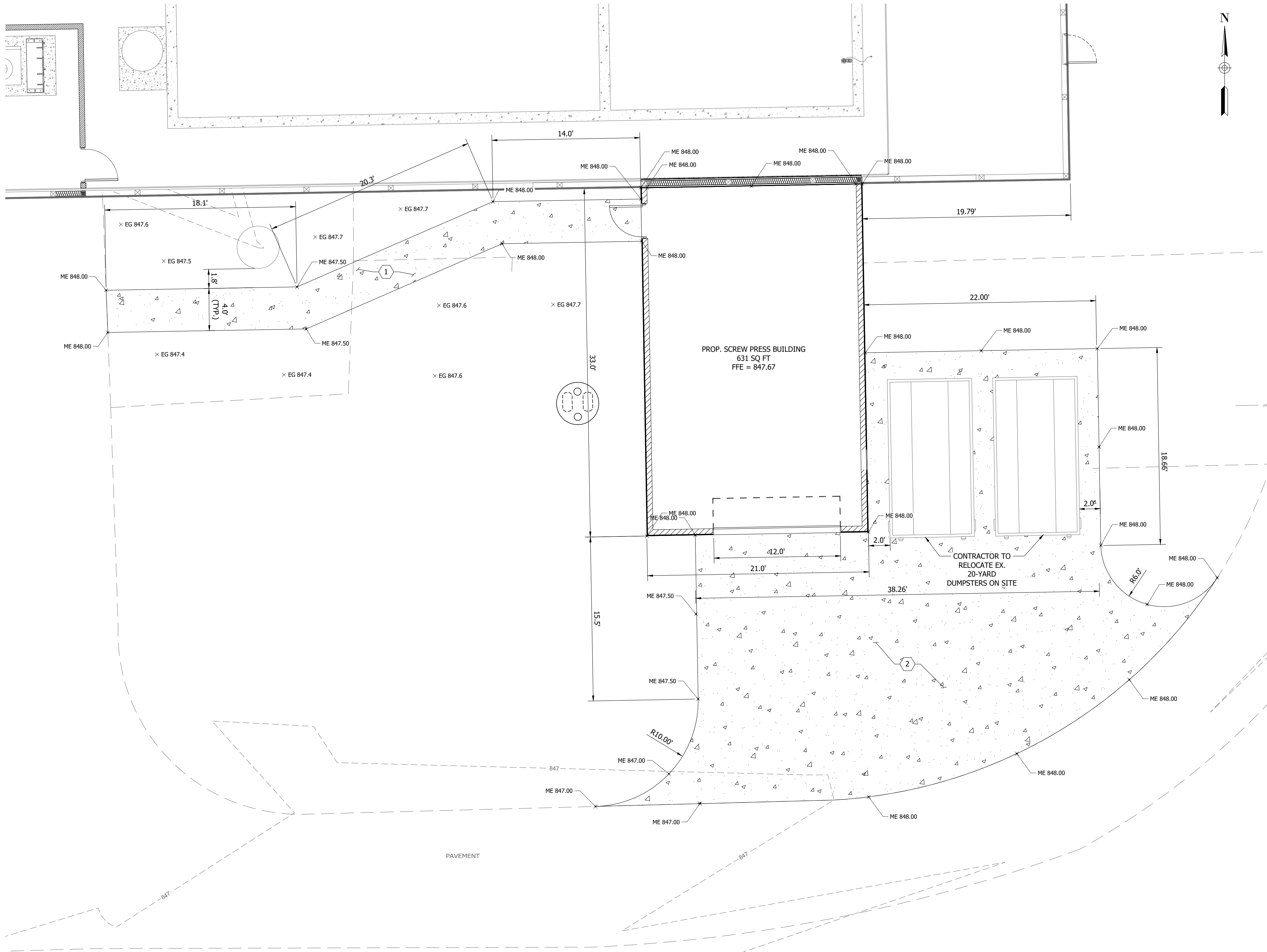
PROPOSED GRADING
AND SITE
IMPROVEMENTS PLAN

C103

PRINT DATE: 8/27/26
PLOT SCALE: 1" = 5'-0"

DRAWING FILE: P:400-6314 SWEETSER WW IMPROVEMENTS ACAD PLAN SHEETS & WORKING DRAWINGS\4006314 WWTP PROPOSED SITE IMPROVEMENTS AND GRADING.DWG

EDIT DATE: 8/26/26 7:43 AM EDITED BY: RHUNT



EXISTING WWTP - PROPOSED GRADING AND SITE IMPROVEMENTS PLAN
SCALE: 1" = 5'-0"

GRADING PLAN NOTES

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KEY NOTES

- STANDARD DUTY CONCRETE SIDEWALK, SEE DETAIL ON SHEET C801
- CONCRETE HEAVY DUTY PAVEMENT, SEE DETAIL ON SHEET C801



BID SET

SWEETSER WASTEWATER
IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

Project #: 400-6314

Designed By: RJPA

Drawn By: RLH

Checked By: ALC

Date: 08/28/2026



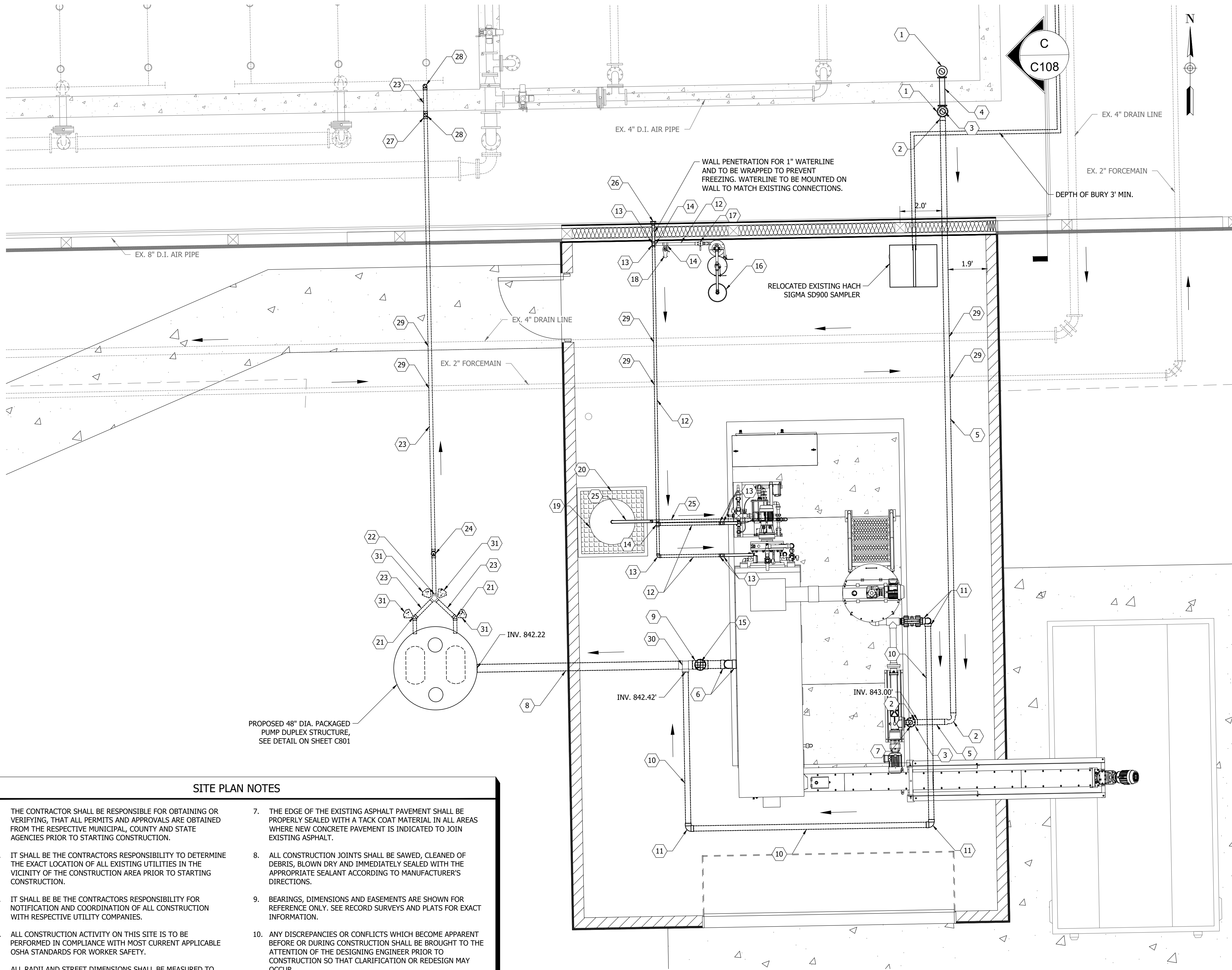
Ricardo Juan Paredes



PROPOSED GRADING
AND SITE
IMPROVEMENTS PLAN

C104

PRINT DATE: 8/27/26
PLOT SCALE: 1:1
DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\ACAD\PLAN SHEETS & WORKING DRAWINGS\4006314 WWTP PROPOSED SITE IMPROVEMENTS AND GRADING.DWG
EDITED BY: RHUNT
EDT DATE: 8/26/26 7:43 AM



EXISTING WWTP - PROPOSED SITE PIPING PLAN
SCALE: 1" = 2'-6"

SITE PLAN NOTES

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11. CONTACT ENGINEER IF ADDITIONAL DIMENSIONS ARE NEEDED FOR CONSTRUCTION.
12. ALL BELOW GRADE PRESSURIZED PIPING TO UTILIZE D.I.M.J. RESTRAINED JOINT FITTINGS.
13. ALL ABOVE GRADE PIPE PENETRATIONS BETWEEN EXISTING WWTP AND PROPOSED SCREW PRESS ROOM TO BE WITH SEALS AND TO A VAPOR/GAS-TIGHT BOUNDARY CONDITION.

KEY NOTES

1. PROPOSED 3"X3" D.I. TEE, FLG X FLG, WITH CAP
2. PROPOSED 3" MECH D.I. 90° BEND
3. PROPOSED 3" D.I. PIPE, MECH X FLG
4. PROPOSED 3" D.I. PIPE, FLG X FLG
5. PROPOSED 3" D.I. PIPE, MECH X MECH
6. PROPOSED 4" SDR 26 PVC PIPE 90° BEND
7. PROPOSED 4" FLG D.I. 90° BEND
8. PROPOSED 4" SDR 26 PVC PIPE @ 2.00% SLOPE
9. PROPOSED 4"X4" SDR 26 PVC TEE
10. PROPOSED 3" SDR 26 PVC PIPE @ 2.00% SLOPE
11. PROPOSED 3" SDR 26 PVC 90° BEND
12. PROPOSED 1" PVC PIPE WATER LINE (HEAT TRACE WHERE ABOVE GROUND)
13. PROPOSED 1" PVC 90° BEND
14. PROPOSED 1"X1" PVC TEE
15. PROPOSED 10" FLOOR DRAIN
16. EYEWASH STATION
17. 1 1/4" BALL VALVE
18. WATER SPIGOT AND VALVE, 1" MAIN LINE TO BE REDUCED AT SPIGOT TO 1/2"
19. POLYMER-SNYDER 60 GALLON VERTICAL CHEMICAL STORAGE TANK OR APPROVED EQUAL
20. ULTRATECH SPILL PALLET 66 GALLON OR APPROVED EQUAL
21. PROPOSED 2" PVC 45° BEND
22. PROPOSED 2" PVC WYE FITTING
23. PROPOSED 2" SDR 26 PVC PIPE
24. PROPOSED 2" PVC CHECK VALVE WITH VALVE BOX AND RISER
25. 1" FLEXIBLE TUBING FROM POLYMER DRUM TO PUMP INLET, INSTALL INSIDE OF 1 1/4" PVC CONDUIT
26. PROPOSED 2"X2"X1" TEE
27. PROPOSED 2" PVC 90° BEND
28. PROPOSED 2"X2" PVC TEE, WITH CAP
29. CONTRACTOR TO VERIFY EXISTING UTILITY INVERTS BEFORE INSTALLATION OF PROPOSED WORK
30. PROPOSED 4"X4"X3" PVC TEE
31. PROPOSED CONCRETE THRUST BLOCK



BID SET

SWEETSER WASTEWATER
IMPROVEMENTS

SWEETSER, INDIANA, 46987

Project #: 400-6314

Designed By: RJPA

Drawn By: RLH

Checked By: ALC

Date: 08/28/2026



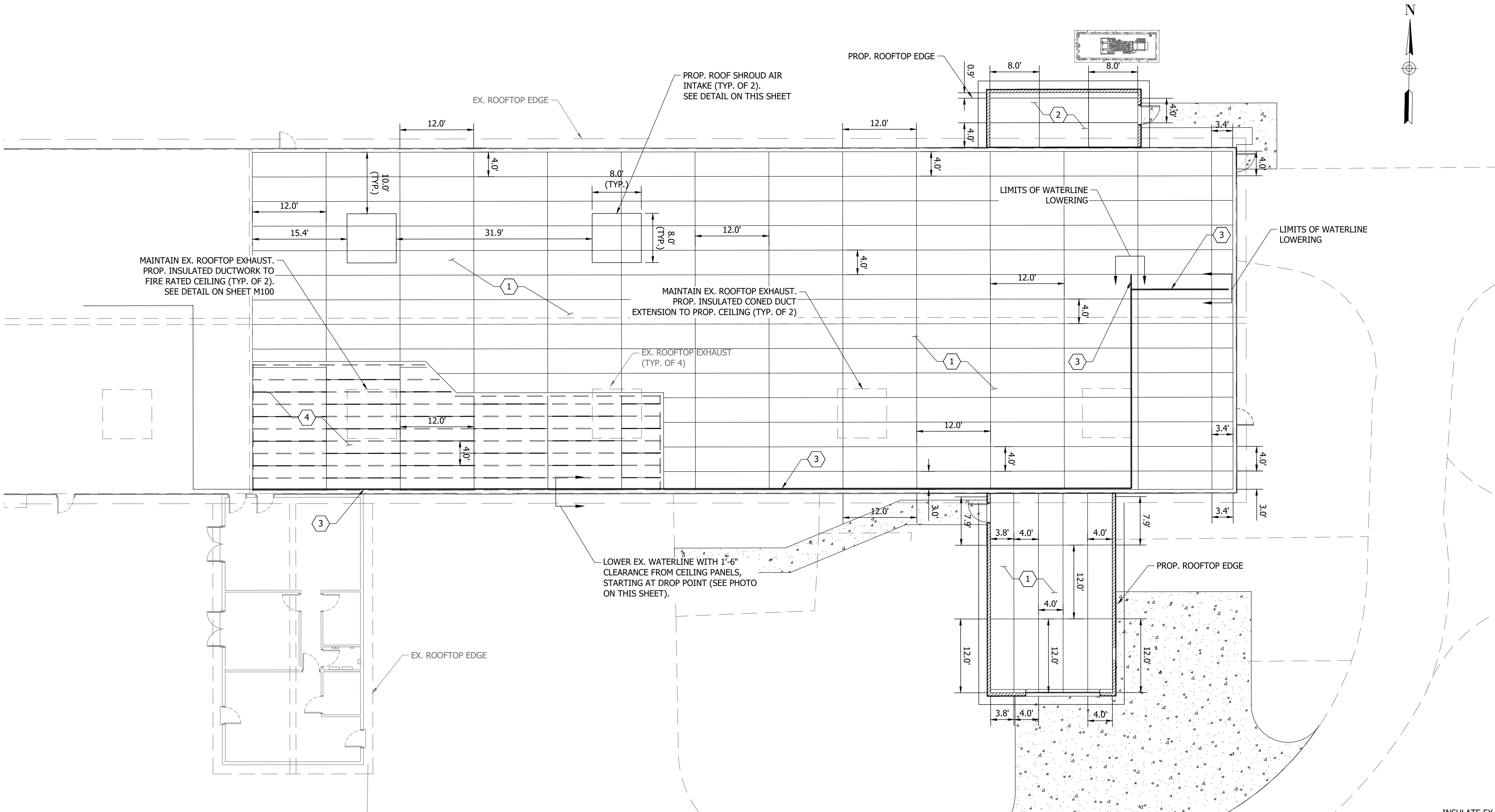
Richard Juan Paredes



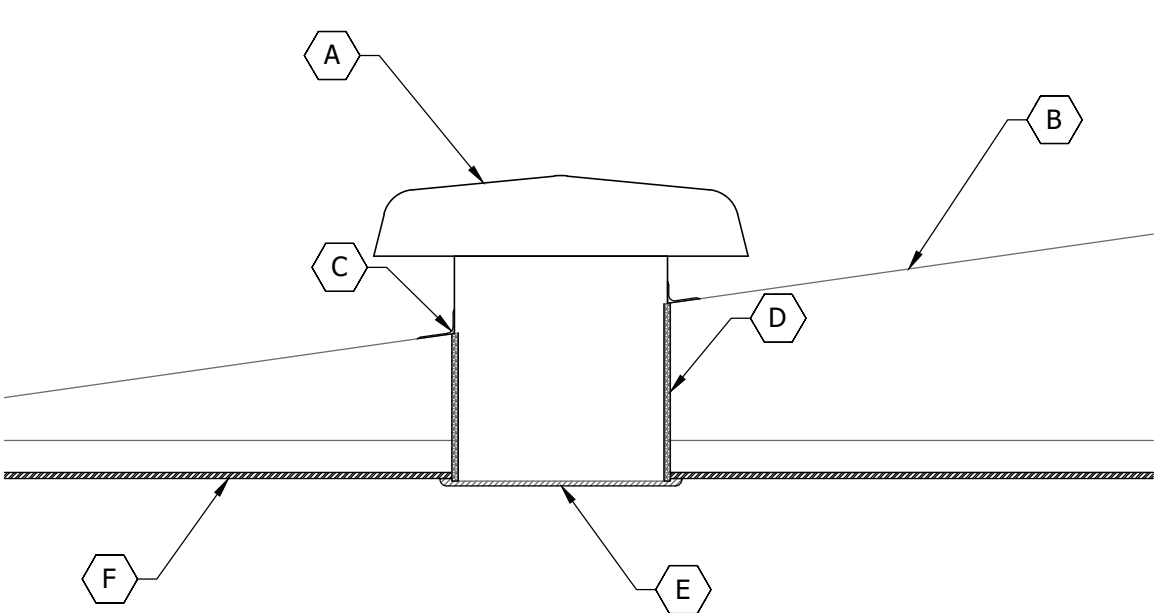
PROPOSED SITE PIPING
PLAN

C104A

PRINT DATE: 8/27/26
PLOT SCALE: 1" = 10'
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EDITED BY: RHUNT
EDT DATE: 8/27/26 2:18 PM



WWTP - REFLECTIVE CEILING PLAN
SCALE: 1" = 10'



ROOF SHROUD AIR INTAKE DETAIL
NO SCALE

DETAIL KEY NOTES	
	PROPOSED AIR INTAKE AND SHROUD
	EXISTING ROOF LINE
	CONTRACTOR TO APPLY GOOD FLASHING/FLANGE SEAL AROUND EACH AIR INTAKE SHROUD TO PREVENT ANY WATER LEAKS
	PROPOSED DUCTWORK DOWN FROM PROPOSED ROOF AIR INTAKE TO NEW CEILING GRILLE, TRANSITION AS REQUIRED. INSULATE DUCTWORK WITH 2" FSK FACED FIBERGLASS INSULATION. ALL JOINTS TO BE VAPOR SEALED
	36"X36" ALUMINUM EGGRATE GRILLE. GRILLE TO HAVE A MAX. PRESSURE DROP OF 0.1 INWC AT 5,500 CFM
	PROPOSED CEILING

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7.	CONTACT ENGINEER IF ADDITIONAL DIMENSIONS ARE NEEDED FOR CONSTRUCTION.
8.	CONTRACTOR TO FIELD VERIFY EXISTING CONDUIT AND PIPING BELOW TRUSSES AND RELOCATE PRIOR TO INSTALLATION OF CEILING FURRING CHANNELS AND PANELS.
9.	ALL ABOVE GRADE PIPE PENETRATIONS BETWEEN EXISTING WWTP AND PROPOSED U.V./BLOWER ROOM TO BE WITH SEALS AND AVOID TO A VAPOR/GAS-TIGHT BOUNDARY CONDITION.
10.	CONTRACTOR TO COORDINATE WITH OWNER FOR SPOT REPAIRS WHERE MOLD IS PRESENT.

KEY NOTES	
	FRP PANEL, 4' X 12' SHEETS, INSTALL OVER 7/8" METAL HAT CHANNEL SPACED 24" O.C. MOUNT HAT CHANNEL FURRING TO THE UNDERSIDE OF EXISTING ROOF TRUSSES. PROVIDE A SUSPENDED CEILING TILE AND GRID SYSTEM WITH FRP (PADS) WITH HOLD-DOWN CLIPS.
	FRP PANEL, 4' X 8' SHEETS, INSTALL OVER 7/8" METAL HAT CHANNEL SPACED 24" O.C. MOUNT HAT CHANNEL FURRING TO THE UNDERSIDE OF EXISTING ROOF TRUSSES. PROVIDE A SUSPENDED CEILING TILE AND GRID SYSTEM WITH FRP (PADS) WITH HOLD-DOWN CLIPS.
	INSULATE EXISTING WATERLINE ABOVE CEILING IN THE WASTEWATER TREATMENT PLANT
	UNFACED MINERAL WOOL RATED TO 2150° INSULATION, 2" X 4" 25GA METAL CEILING RUNNERS 24" O.C., AND 5/8" TYPE X GYPSUM BOARD (3 LAYERS)

INSULATE EX. WATERLINE INSIDE WWTP



WWTP - SITE PHOTO



BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

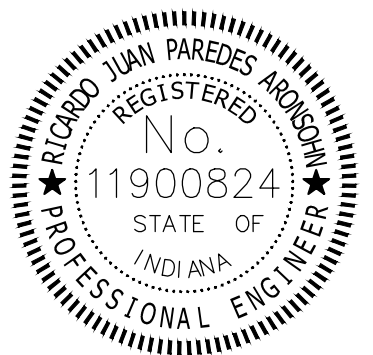
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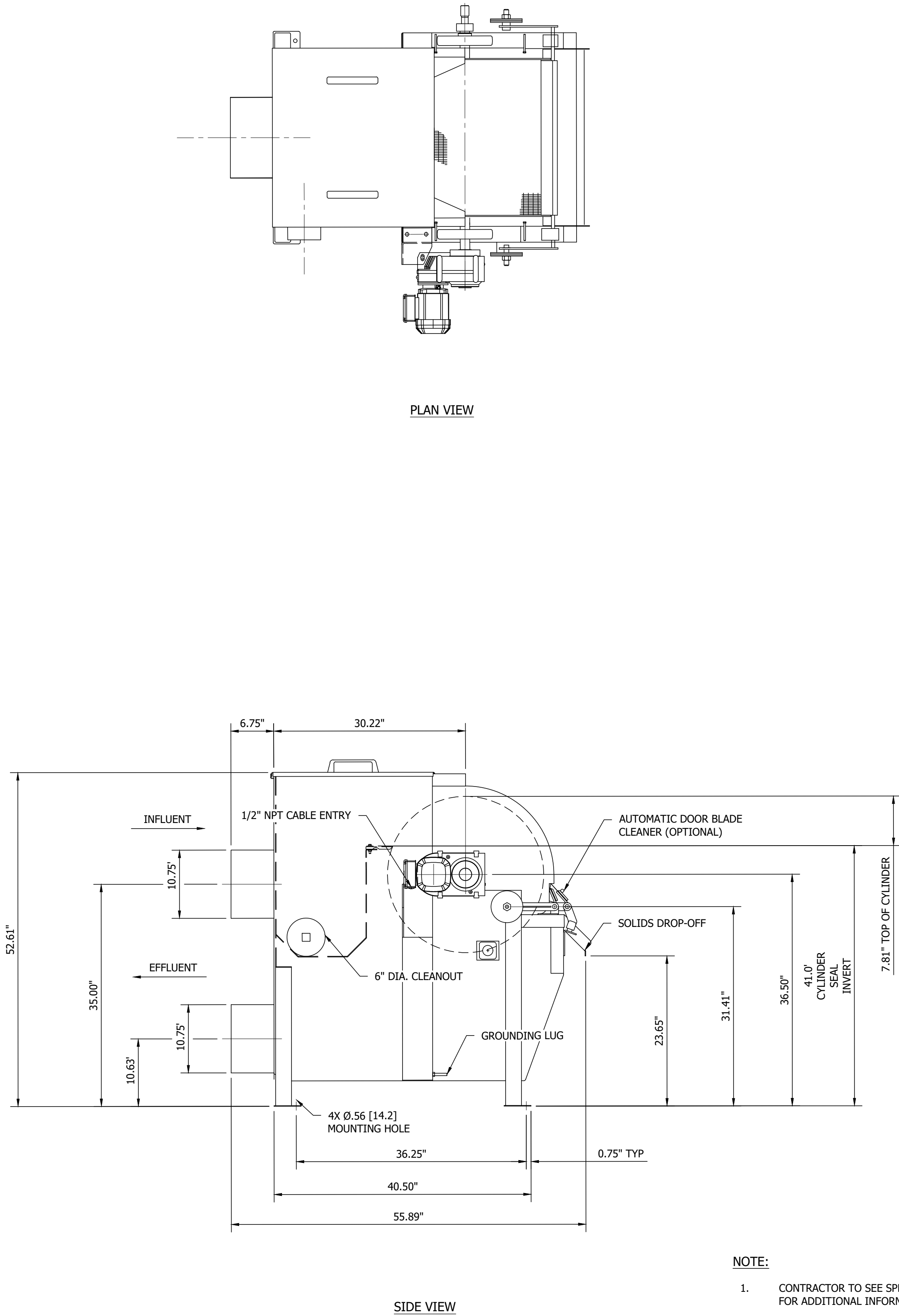


Ricardo Juan Paredes



WWTP - REFLECTIVE CEILING PLAN

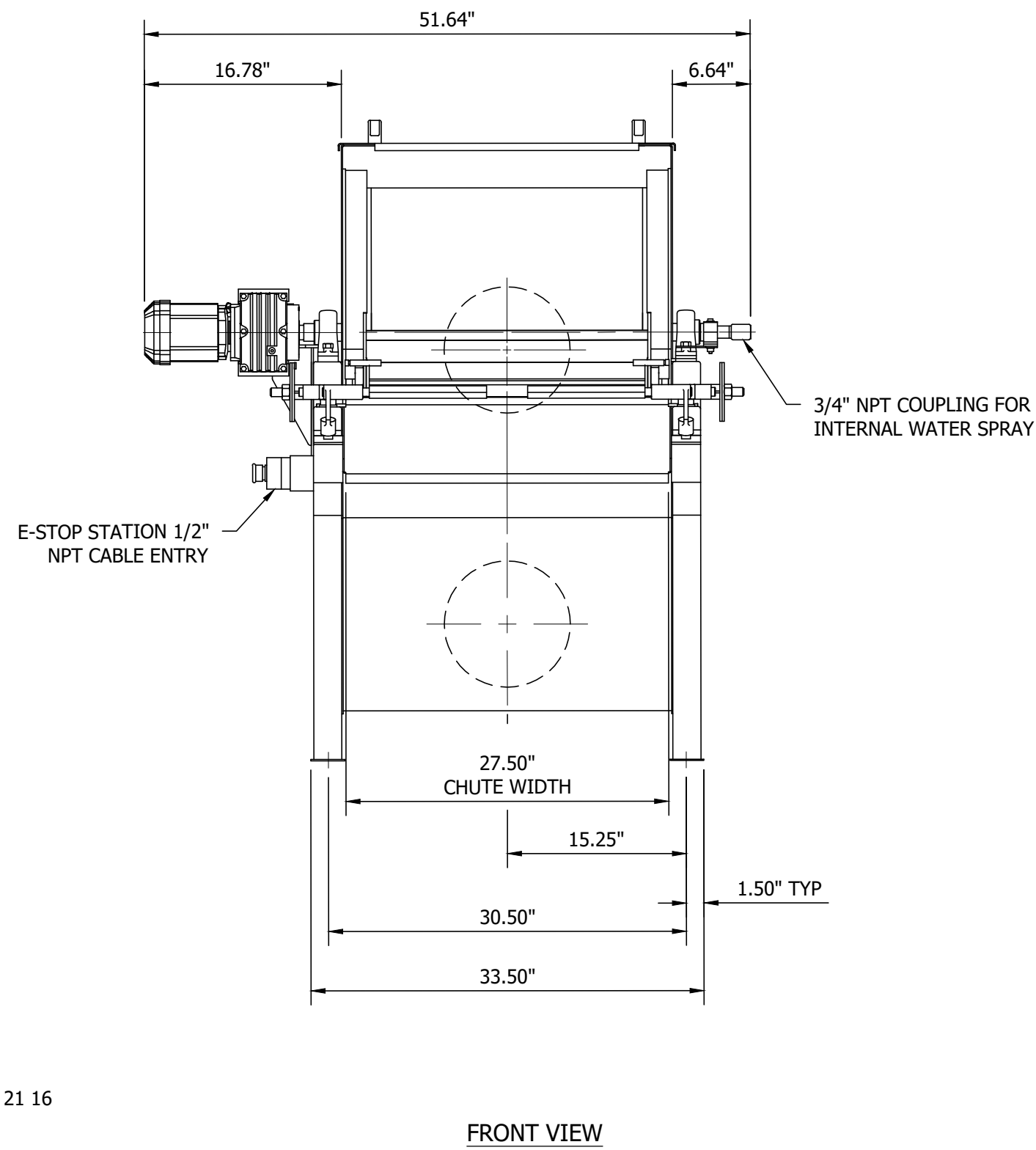
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NOTE:

1. CONTRACTOR TO SEE SPECIFICATION 46 21 16 FOR ADDITIONAL INFORMATION.

PROPOSED ROTARY DRUM SCREEN
NOT TO SCALE



BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

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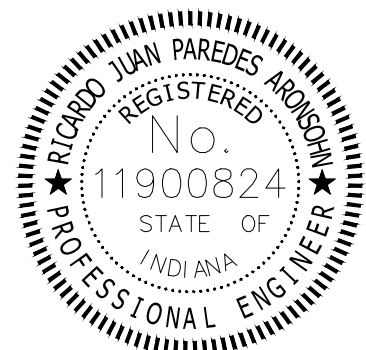
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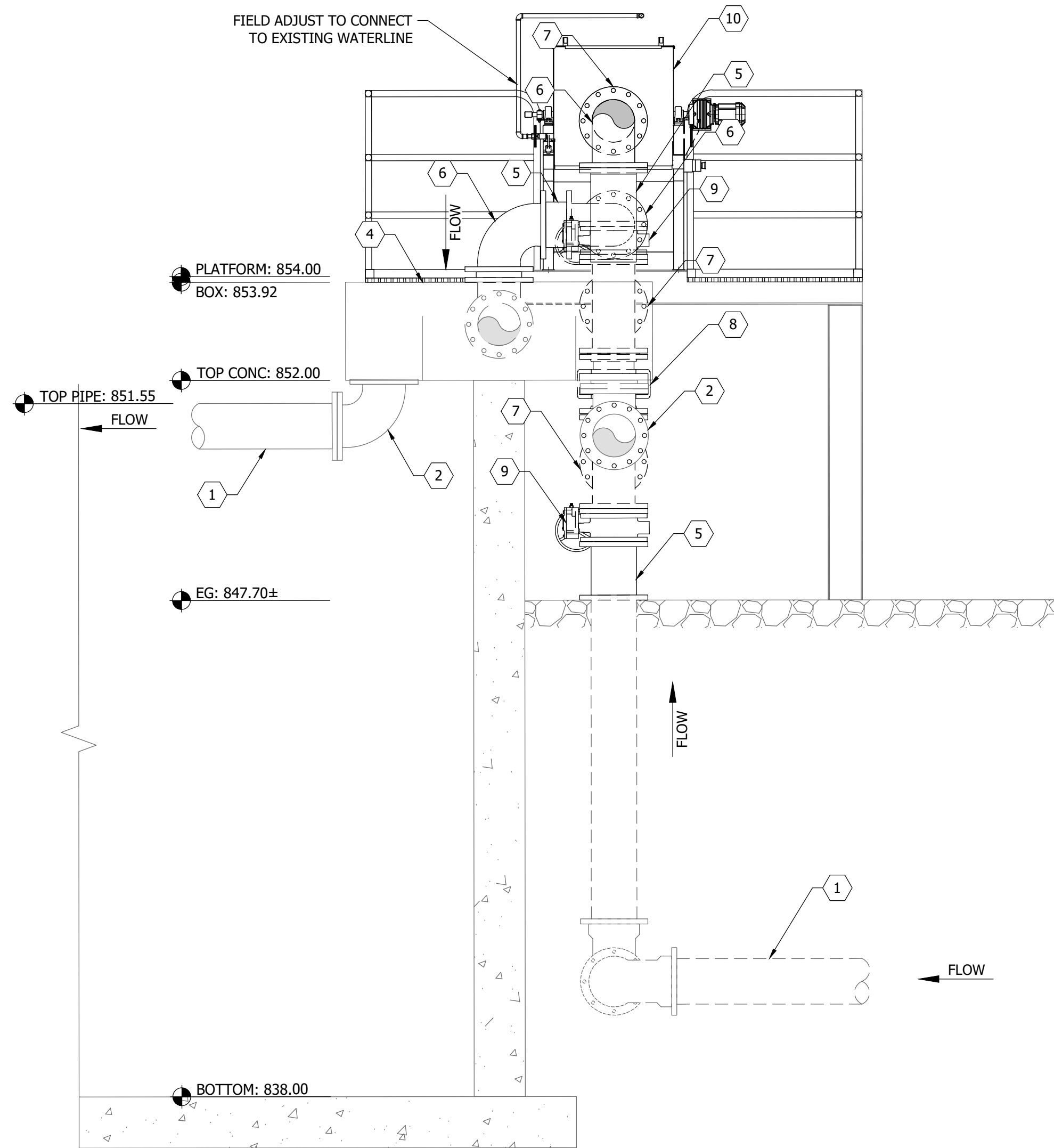


Ricardo Juan Paredes

PROPOSED DRUM SCREEN DETAILS

C106

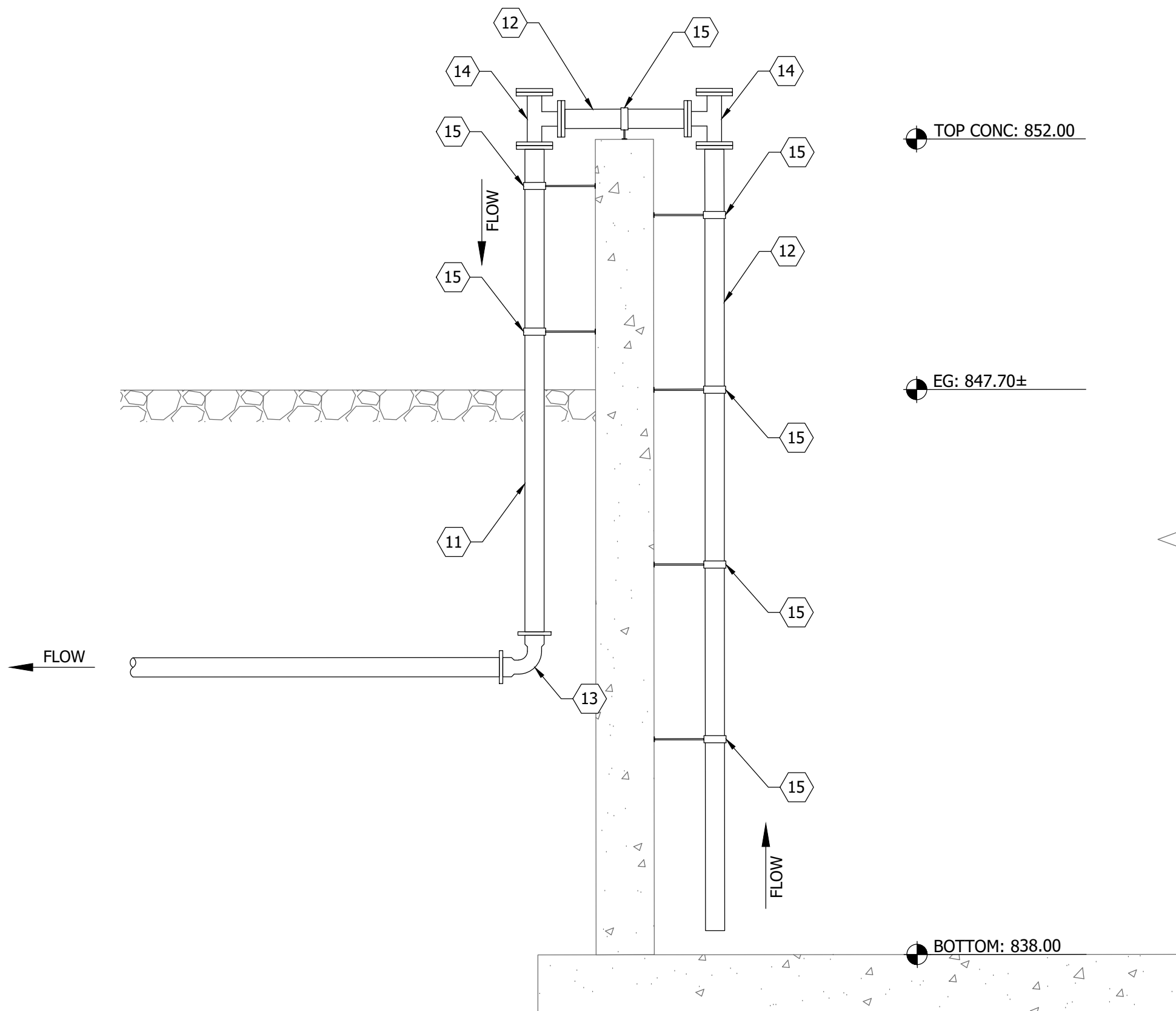
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EDIT DATE: 8/24/26 9:11 AM
EDITED BY: CCHARLSON



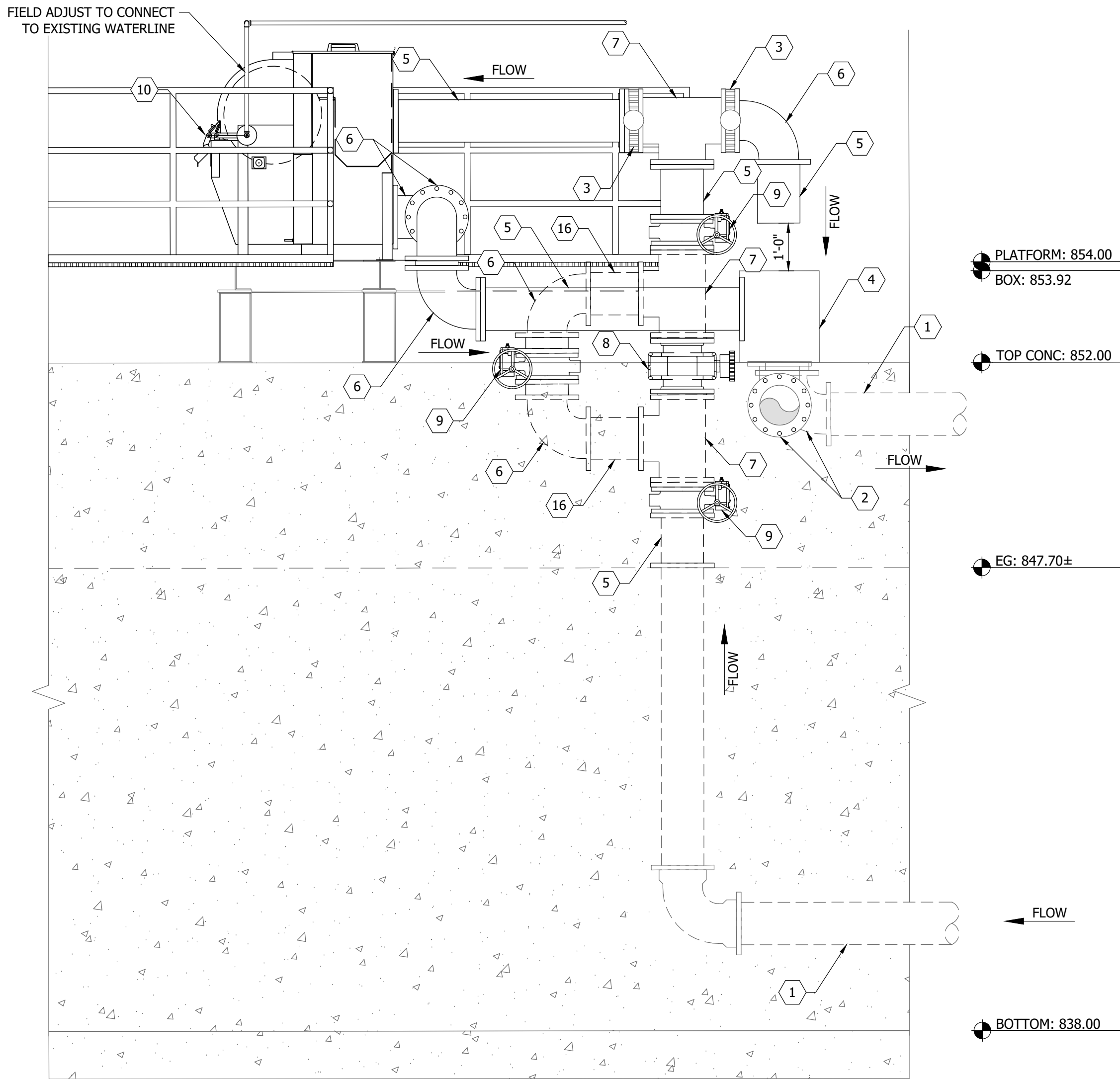
A
SECTION
C107 SCALE: 1/2" = 1'-0"

NOTE:

1. TARGET BYPASS FLOWS FOR THE INCOMING PLANT FORCE MAIN ARE:
A. AVERAGE DESIGN FLOW: 0.2 MGD
B. PEAK DESIGN FLOW: 0.865 MGD



C
SECTION
C107 SCALE: 1/2" = 1'-0"



B
SECTION
C107 SCALE: 1/2" = 1'-0"

KEY NOTES

1. EX. 10" D.I. PIPE
2. EX. 10" FLG D.I. 90° BEND
3. EX. 10" BUTTERFLY VALVE, TO BE REPLACED
4. EX. SPLITTER BOX
5. PROP. 10" D.I. PIPE, FLG X FLG
6. PROP. 10" FLG D.I. 90° BEND
7. PROP. 10" X 10" D.I. TEE, FLG X FLG
8. PROP. 10" FLOW METER
9. PROP. 10" GATE VALVE
10. PROP. DRUM SCREEN
11. PROP. 3" D.I. PIPE, FLG X MECH
12. PROP. 3" D.I. PIPE, FLG X FLG
13. PROP. 3" MECH D.I. 90° BEND
14. PROP. 3" X 3" D.I. TEE, FLG X FLG, CAPPED
15. PROP. PIPE SUPPORT HANGER
16. PROP. 10" FLG D.I. BYPASS PIPING



BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

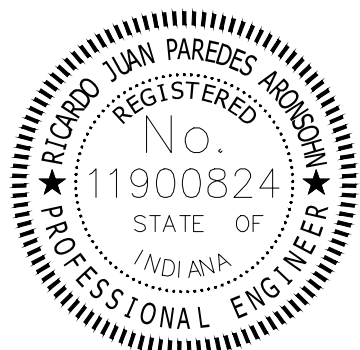
Project #: 400-6314

Designed By: RJPA

Drawn By: RLH

Checked By: ALC

Date: 08/28/2026

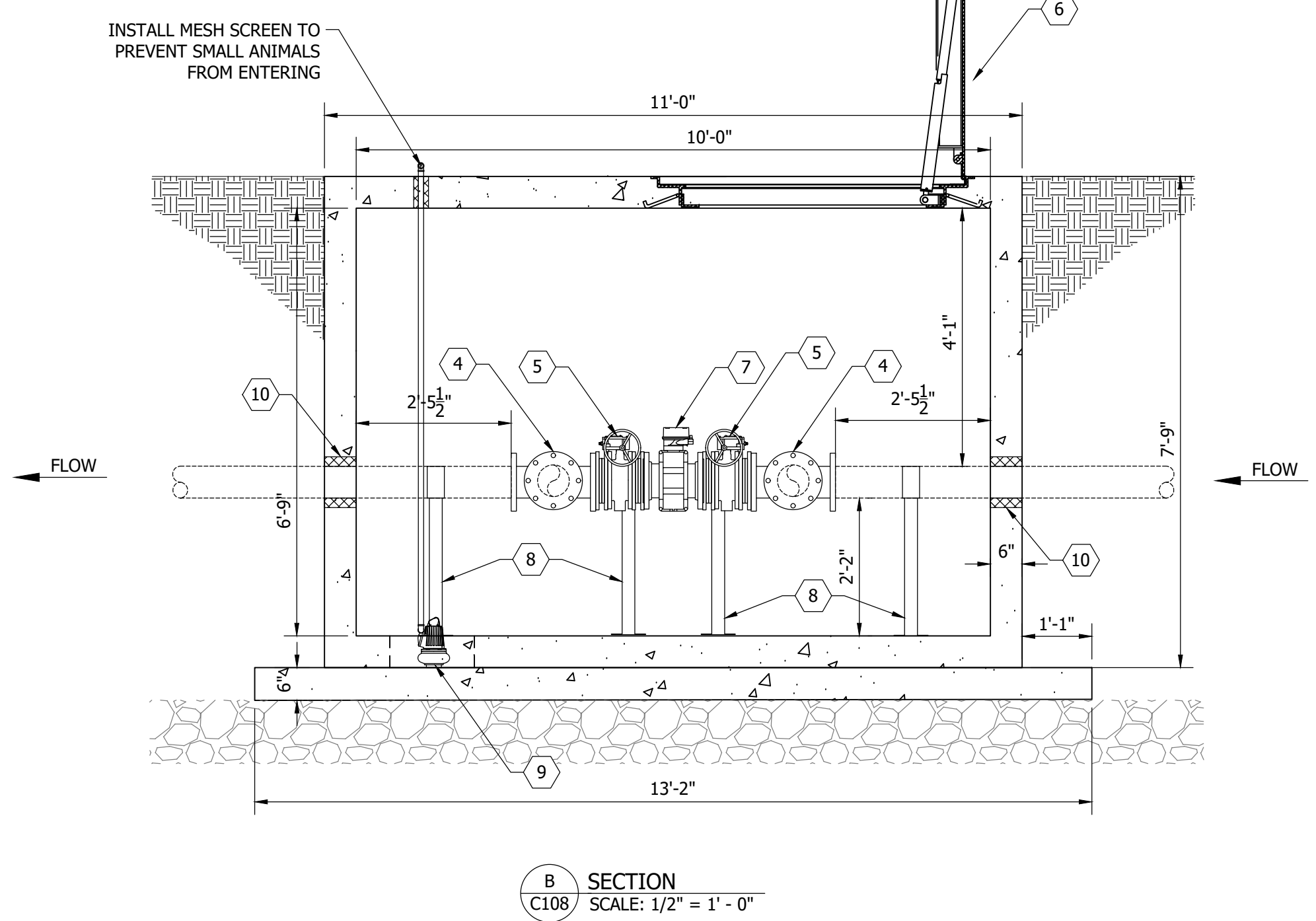
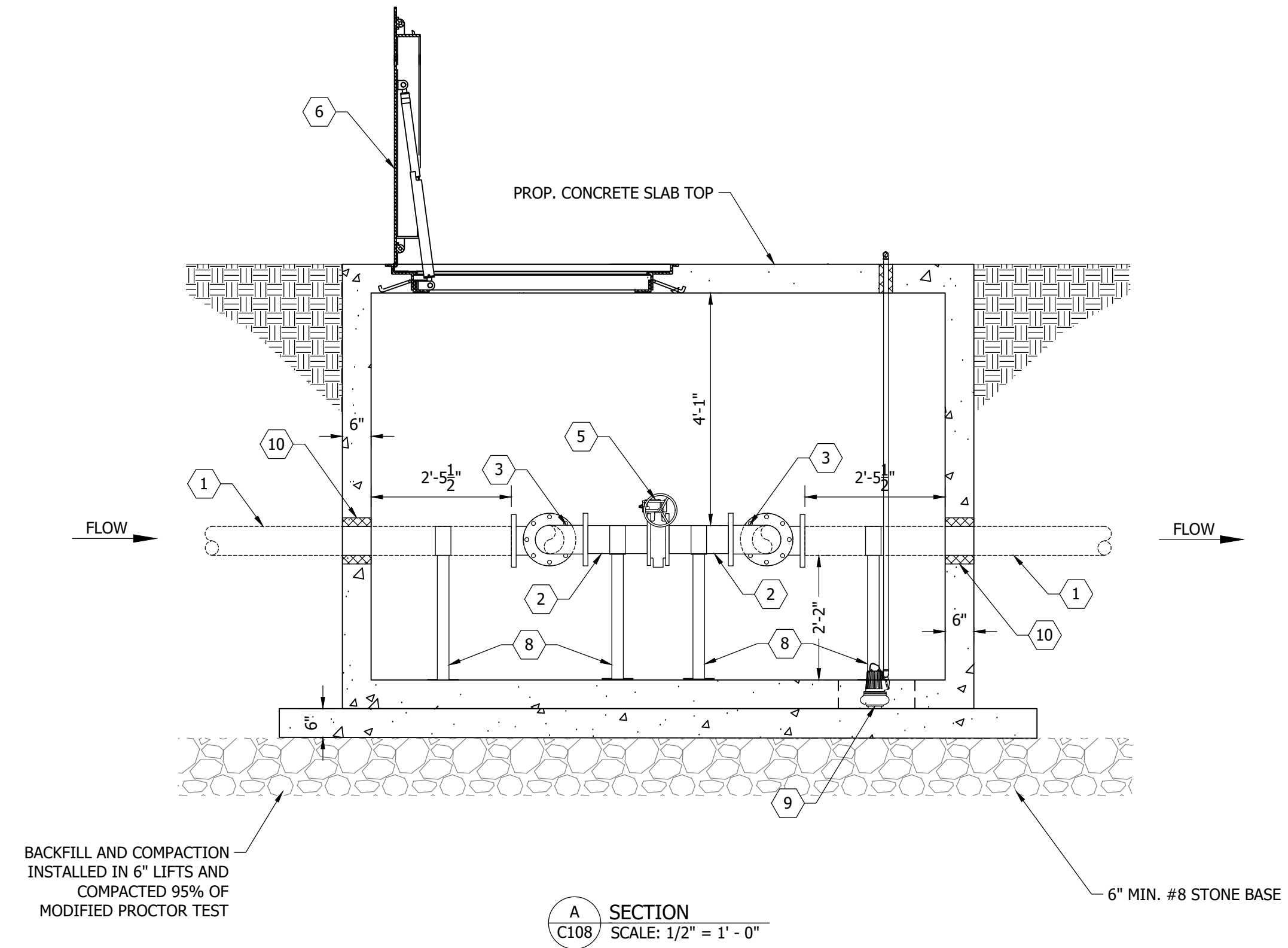
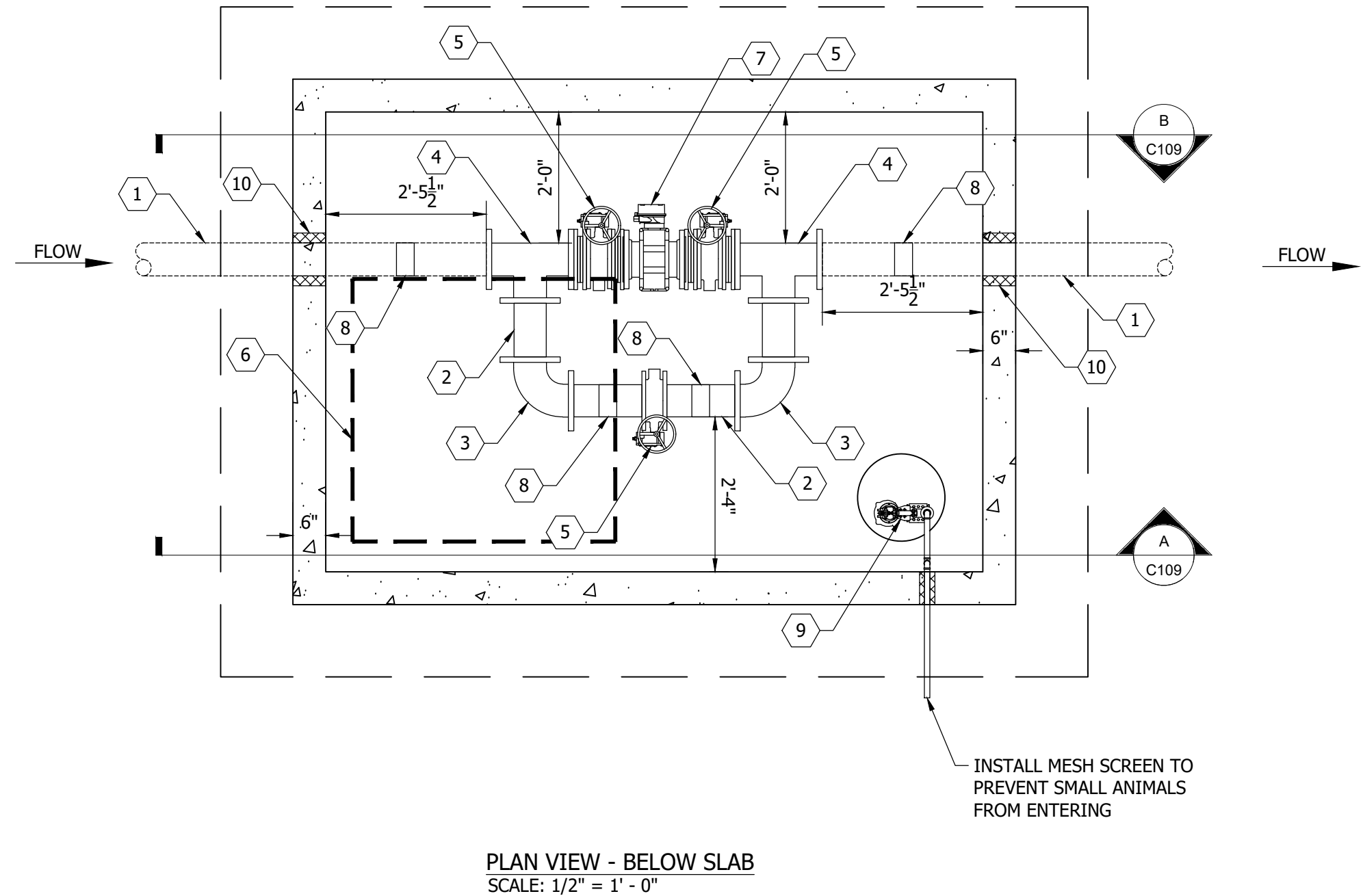
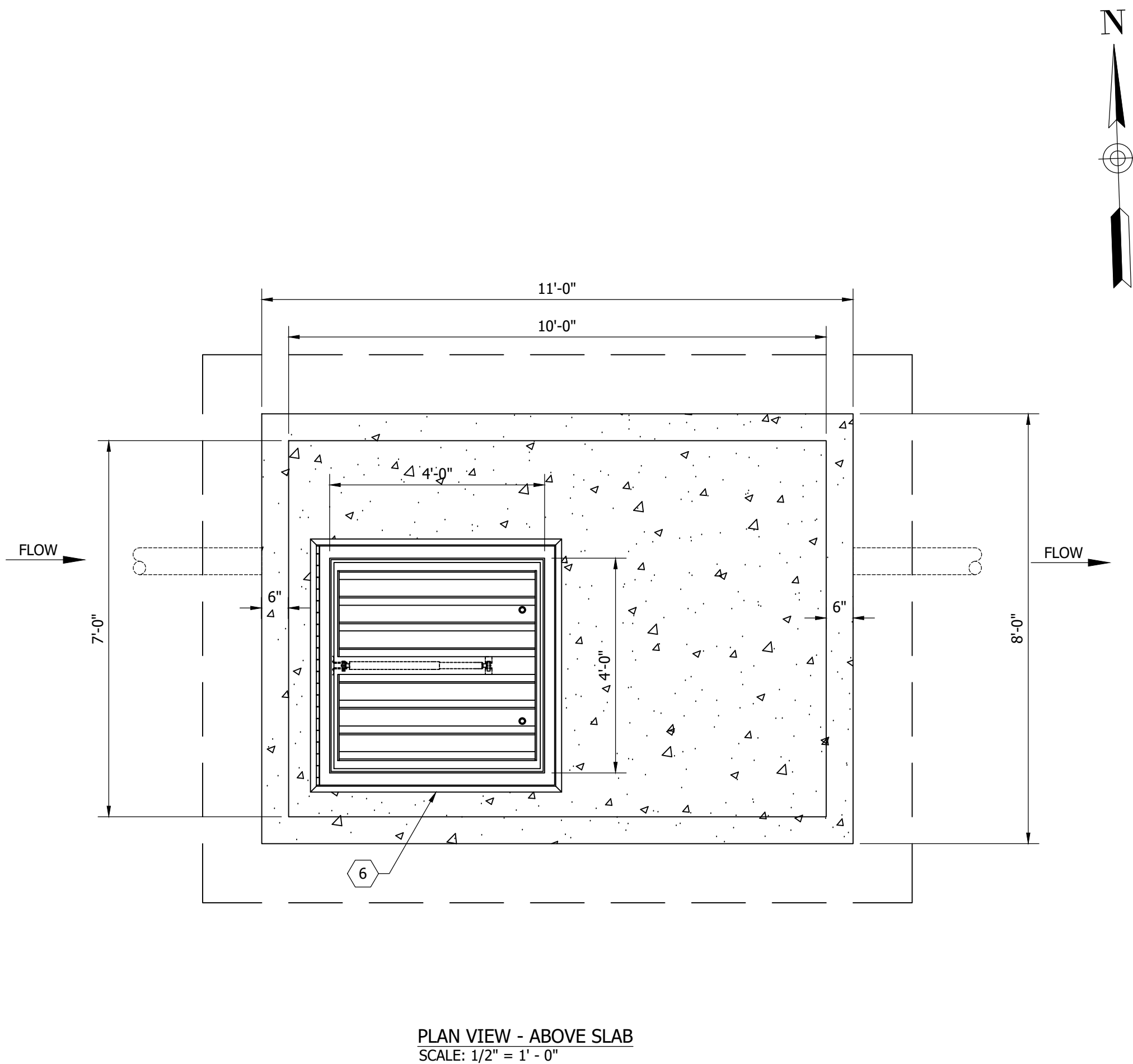


Ricardo Juan Paredes

SECTION VIEWS

C107

PRINT DATE: 8/27/26
PLOT SCALE: 1:1
DRAWING FILE: P:400-6314 SWEETSER WW IMPROVEMENTS ACAD/PLAN SHEETS & WORKING DRAWINGS 4006314 PROPOSED METER VAULT DETAILS AND SECTIONS.DWG
EDITED BY: RHUNT
EDT DATE: 8/24/26 9:12 AM



KEY NOTES	
1	EX. 6" D.I. PIPE
2	PROP. 6" D.I. PIPE, FLG X FLG
3	PROP. 6" FLG D.I. 90° BEND
4	PROP. 6" X 6" D.I. TEE, FLG X FLG
5	PROP. 6" GATE VALVE
6	PROP. ALUMINUM SINGLE DOOR HATCH WITH SAFETY GRATE, 48" X 48"
7	PROP. 6" FLOW METER
8	PROP. PIPE STAND SUPPORT
9	PROP. SUMP PUMP
10	WATERTIGHT FLEXIBLE RUBBER BOOT OR GASKET JOINT

NOTE:

1. ALUMINUM HATCHES SHALL BE FLYGT, BILCO OR E3 "SAFE HATCH" OR APPROVED EQUAL. LEAF SHALL BE 1/4" ALUMINUM DIAMOND PLATE. CHANNEL FRAME SHALL BE 1/4" EXTRUDED ALUMINUM WITH A MILL FINISH AND BITUMINOUS COATING ON EXTERIOR SURFACES. HATCH SHALL BE PROVIDED WITH 316 STAINLESS STEEL HARDWARE THROUGHOUT, COMPRESSION SPRING OPERATORS, AUTOMATIC HOLD-OPEN ARM WITH RELEASE HANDLE, RECESSED LOCK HASP WITH FLUSH COVER, SLAM LOCK WITH REMOVABLE HANDLE, FALL PROTECTION GRATING AND 1-1/2" DRAIN COUPLING.

BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

Project #: 400-6314

Designed By: RJPA

Drawn By: RLH

Checked By: ALC

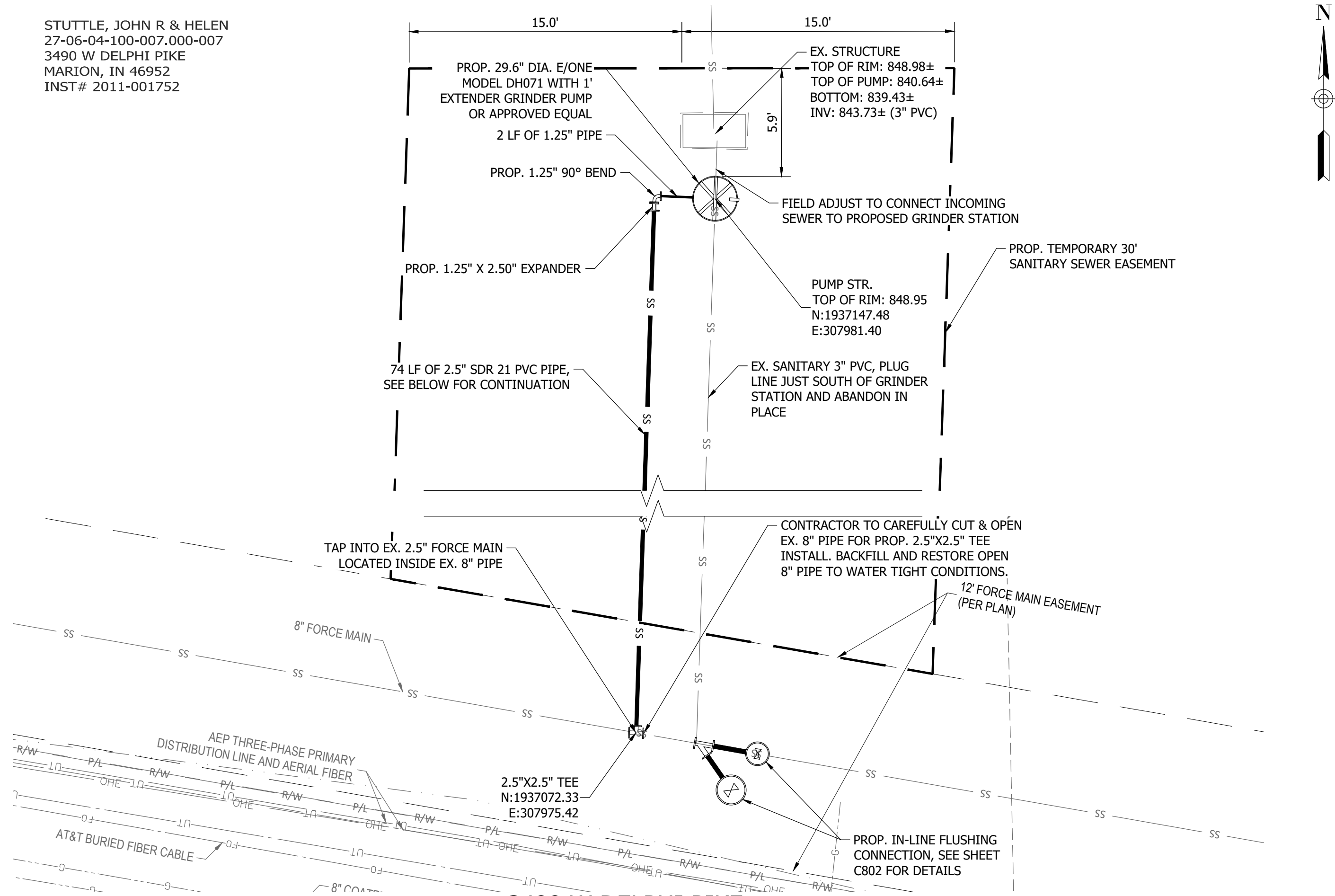
Date: 08/28/2026

Ricardo Juan Paredes

**KELLY LIFT STATION
METER VAULT DETAILS
AND SECTIONS**

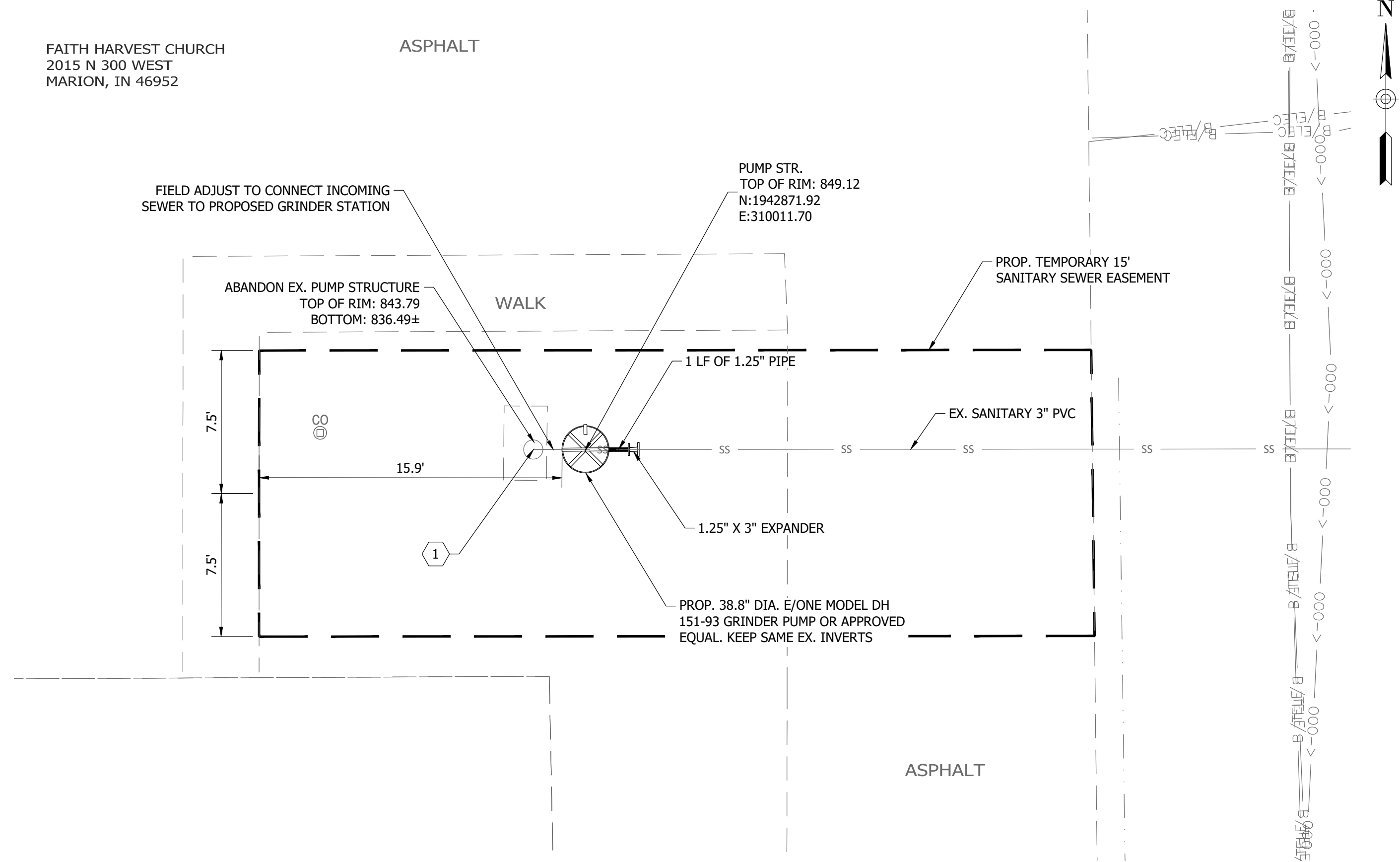
C108

STUTTLE, JOHN R & HELEN
27-06-04-100-007.000-007
3490 W DELPHI PIKE
MARION, IN 46952
INST# 2011-001752

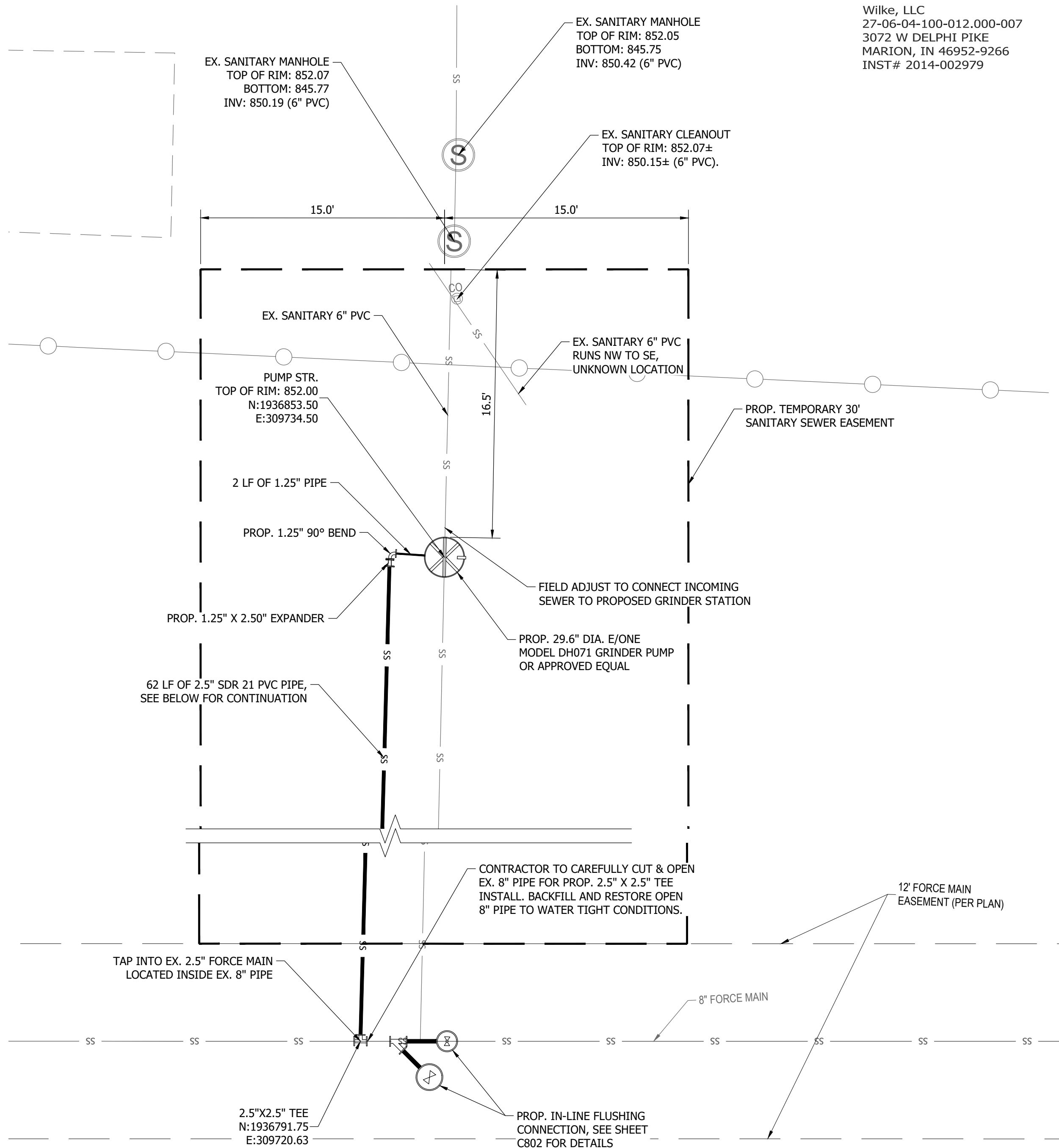


3490 W DELPHI PIKE
PROPOSED GRINDER PUMP STRUCTURE - PLAN VIEW
SCALE: 1" = 5'-0"

FAITH HARVEST CHURCH
2015 N 300 WEST
MARION, IN 46952



2015 COUNTY RD 300 W
PROPOSED GRINDER PUMP STRUCTURE - PLAN VIEW
SCALE: 1" = 5'-0"



3072 W DELPHI PIKE
PROPOSED GRINDER PUMP STRUCTURE - PLAN VIEW
SCALE: 1" = 5'-0"

GENERAL NOTES

- ALL WORK SHALL COMPLY WITH LOCAL, STATE, AND FEDERAL CODES, ORDINANCES, RULES, REGULATIONS, ORDERS, AND OTHER LEGAL REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
- CONSTRUCTION SHALL NOT COMMENCE UNTIL ALL LOCAL NECESSARY PERMITS HAVE BEEN OBTAINED.
- ALL RIGHT-OF-WAY AND PROPERTY LINES AND EASEMENTS ARE APPARENT AND WERE DETERMINED BASED UPON AVAILABLE INFORMATION.
- CONSTRUCTION STAKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- PROTECT ALL EXISTING UTILITIES FROM DAMAGE, IN A MANNER APPROVED BY THE UTILITY COMPANIES AND THE ENGINEER.
- CONTRACTOR TO NOTIFY THE ENGINEER, OWNER, AND ANY AFFECTED PROPERTY OWNER PRIOR TO ANY REQUIRED TREE REMOVAL.
- ALL DISTURBED AREAS INCLUDING, BUT NOT LIMITED TO: STREETS, DRIVES, SIDEWALKS, LAWNS, FENCES, RETAINING WALLS, ETC. SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.
- PRESERVE EXISTING RIGHT-OF-WAY MARKERS.
- CALL LOCAL UTILITY LINE INFORMATION SERVICE NOT LESS THAN THREE WORKING DAYS BEFORE PERFORMING WORK.
- ALL ELEVATIONS AT CONSTRUCTION LIMITS SHALL MATCH EXISTING GRADE.
- CONTRACTOR TO INSTALL THRUST BLOCKS AND RESTRAINED JOINTS AT IN-LINE FLUSHING STATIONS, TERMINAL FLUSHING STATIONS, AND CONNECTION TO GRINDER STATIONS AS APPLICABLE.

KEY NOTES

- REMOVE AND RETURN EXISTING PUMPS TO OWNER. FILL-IN EXISTING GRINDER STATION STRUCTURE AND CAP WITH STONE. GRADE TO LEVEL AND SEED.

Wilke, LLC
27-06-04-100-012.000-007
3072 W DELPHI PIKE
MARION, IN 46952-9266
INST# 2014-002979



BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

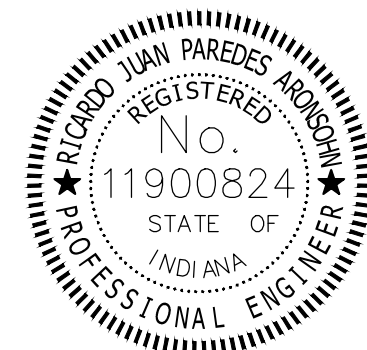
Project #: 400-6314

Designed By: RJPA

Drawn By: RLH

Checked By: ALC

Date: 08/28/2026



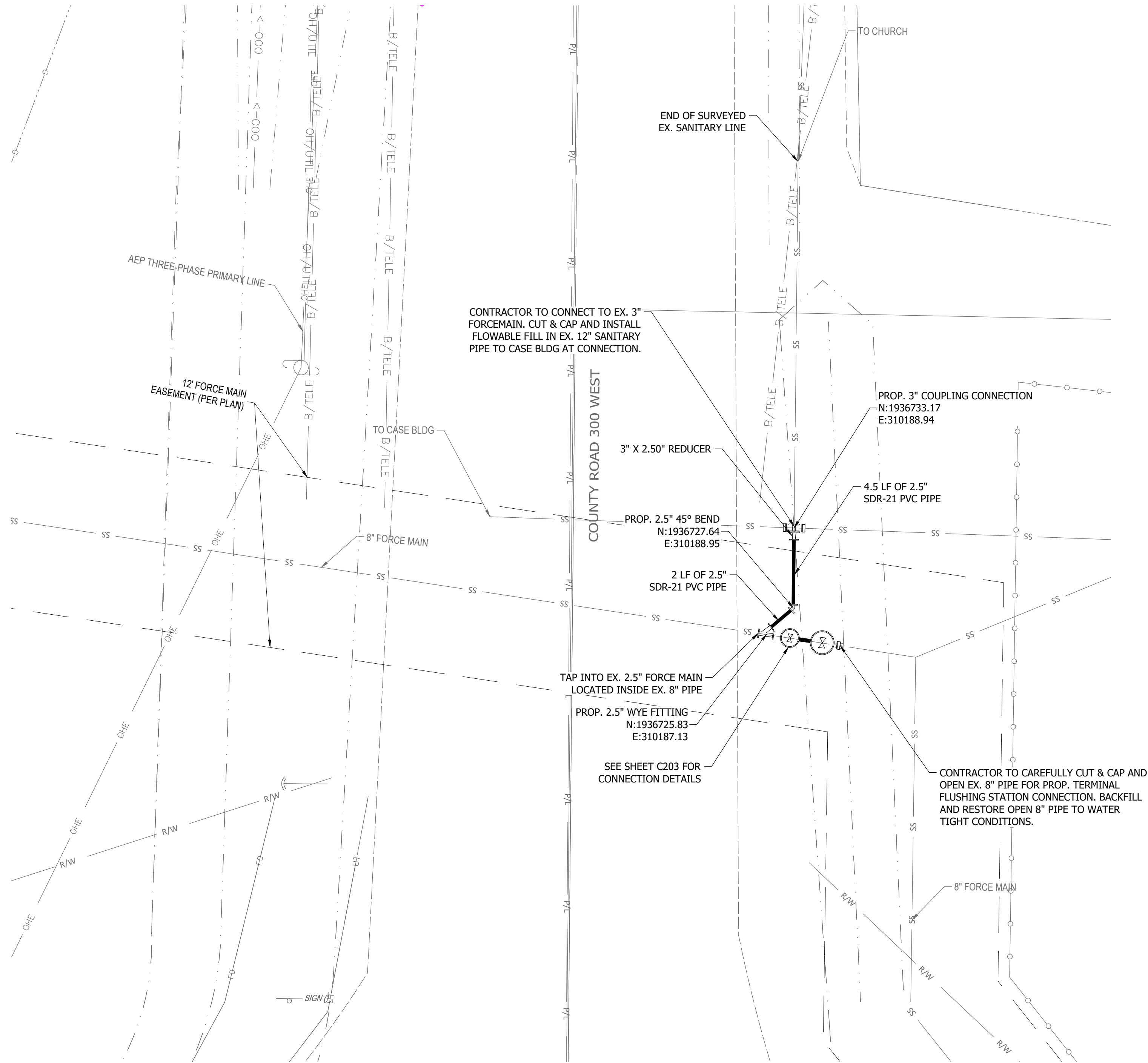
Richard Juan Paredes



PROPOSED GRINDER
PUMP PROPERTY
CONNECTIONS PLAN
VIEWS

C200

PRINT DATE: 8/27/26
PLOT SCALE: 1:1
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EDIT DATE: 8/24/26 2:07 PM
EDITED BY: RHUNT



PROPOSED FORCEMAIN CONNECTION - PLAN VIEW
SCALE: 1" = 5'-0"

- GENERAL NOTES
1.

ALL WORK SHALL COMPLY WITH LOCAL, STATE, AND FEDERAL CODES, ORDINANCES, RULES, REGULATIONS, ORDERS, AND OTHER LEGAL REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
2.

CONSTRUCTION SHALL NOT COMMENCE UNTIL ALL LOCAL NECESSARY PERMITS HAVE BEEN OBTAINED.
3.

ALL RIGHT-OF-WAY AND PROPERTY LINES AND EASEMENTS ARE APPARENT AND WERE DETERMINED BASED UPON AVAILABLE INFORMATION.
4.

CONSTRUCTION STAKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
5.

PROTECT ALL EXISTING UTILITIES FROM DAMAGE, IN A MANNER APPROVED BY THE UTILITY COMPANIES AND THE ENGINEER.
6.

CONTRACTOR TO NOTIFY THE ENGINEER, OWNER, AND ANY AFFECTED PROPERTY OWNER PRIOR TO ANY REQUIRED TREE REMOVAL.
7.

ALL DISTURBED AREAS INCLUDING, BUT NOT LIMITED TO: STREETS, DRIVES, SIDEWALKS, LAWNS, FENCES, RETAINING WALLS, ETC. SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.
8.

PRESERVE EXISTING RIGHT-OF-WAY MARKERS.
9.

CALL LOCAL UTILITY LINE INFORMATION SERVICE NOT LESS THAN THREE WORKING DAYS BEFORE PERFORMING WORK.
10.

ALL ELEVATIONS AT CONSTRUCTION LIMITS SHALL MATCH EXISTING GRADE.
11.

CONTRACTOR TO INSTALL THRUST BLOCKS AND RESTRAINED JOINTS AT IN-LINE FLUSHING STATIONS, TERMINAL FLUSHING STATIONS, AND CONNECTION TO GRINDER STATIONS AS APPLICABLE.



#	Revision	Date

Project #: 400-6314

Designed By: RJPA

Drawn By: RLH

Checked By: ALC

Date: 08/28/2026



Ricardo Juan Paredez



PROPOSED LPS
CONNECTION PLAN

C201

BID SET

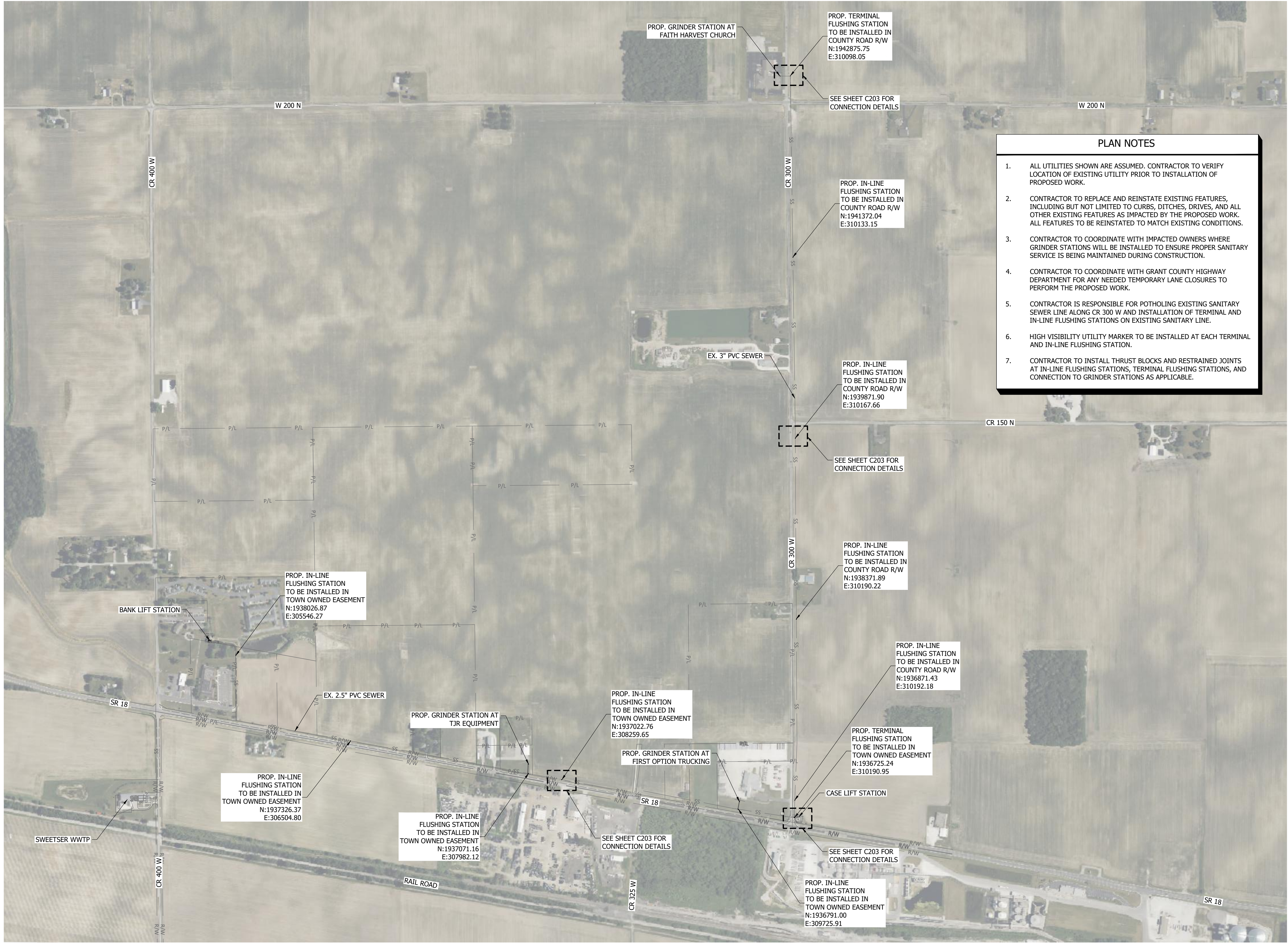
SWEETSER WASTEWATER
IMPROVEMENTS

SWEETSER, INDIANA, 46987



PRINT DATE: 8/27/26
PLOT SCALE: 1" = 400'-0"

DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\ACAD\PLAN SHEETS & WORKING DRAWINGS\4006314 PROPOSED LPS PLAN.DWG



PROPOSED FLUSHING STATION CONNECTIONS - OVERALL VIEW
SCALE: 1" = 400'-0"



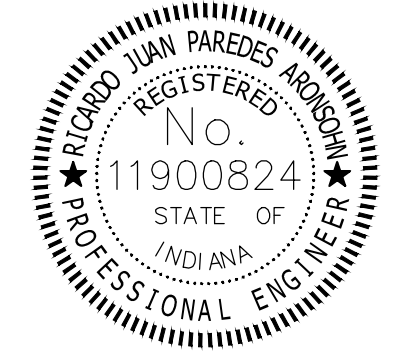
BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

Project #:	400-6314
Designed By:	RJPA
Drawn By:	RLH
Checked By:	ALC
Date:	08/28/2026



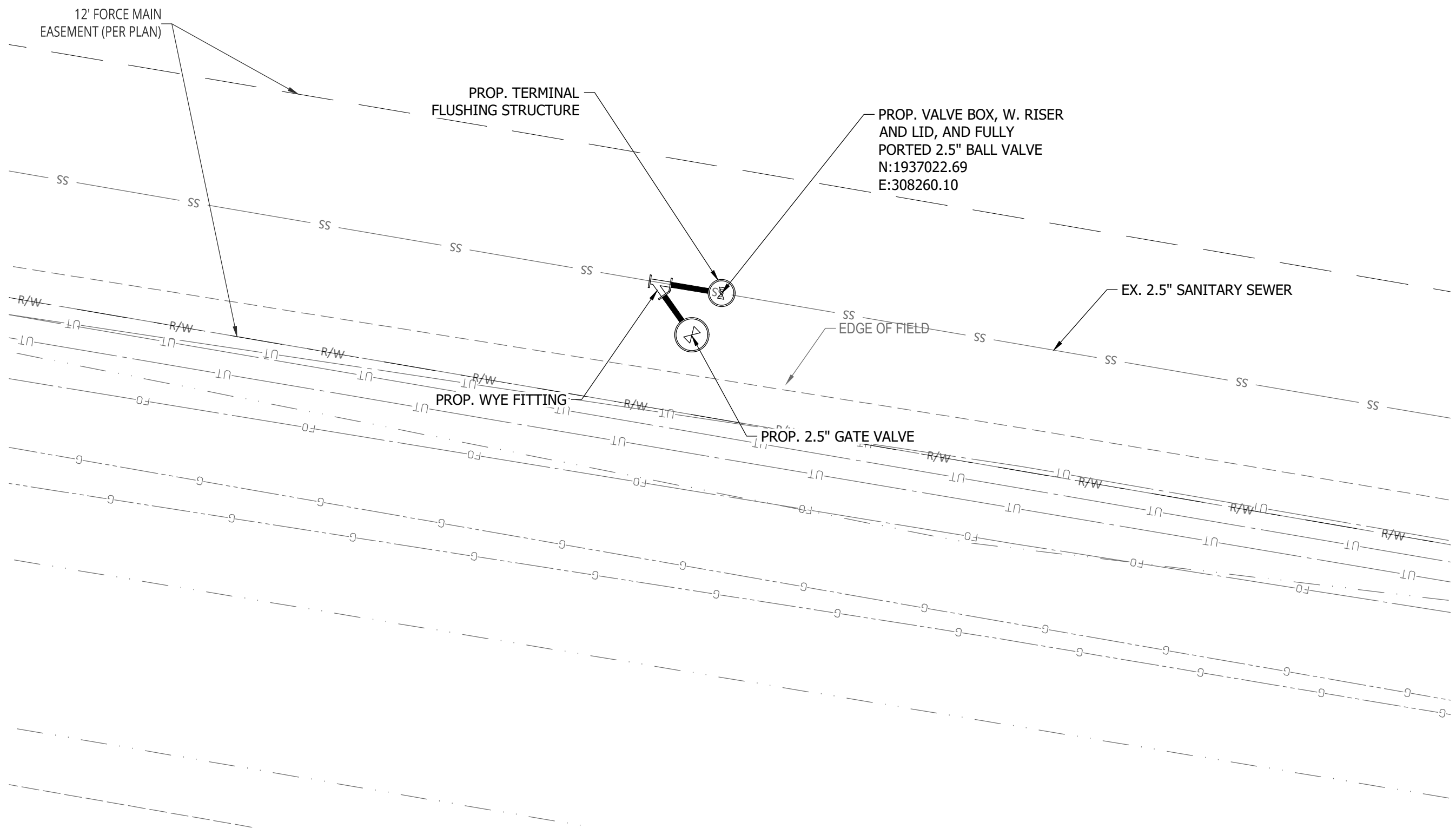
Ricardo Juan Paredes



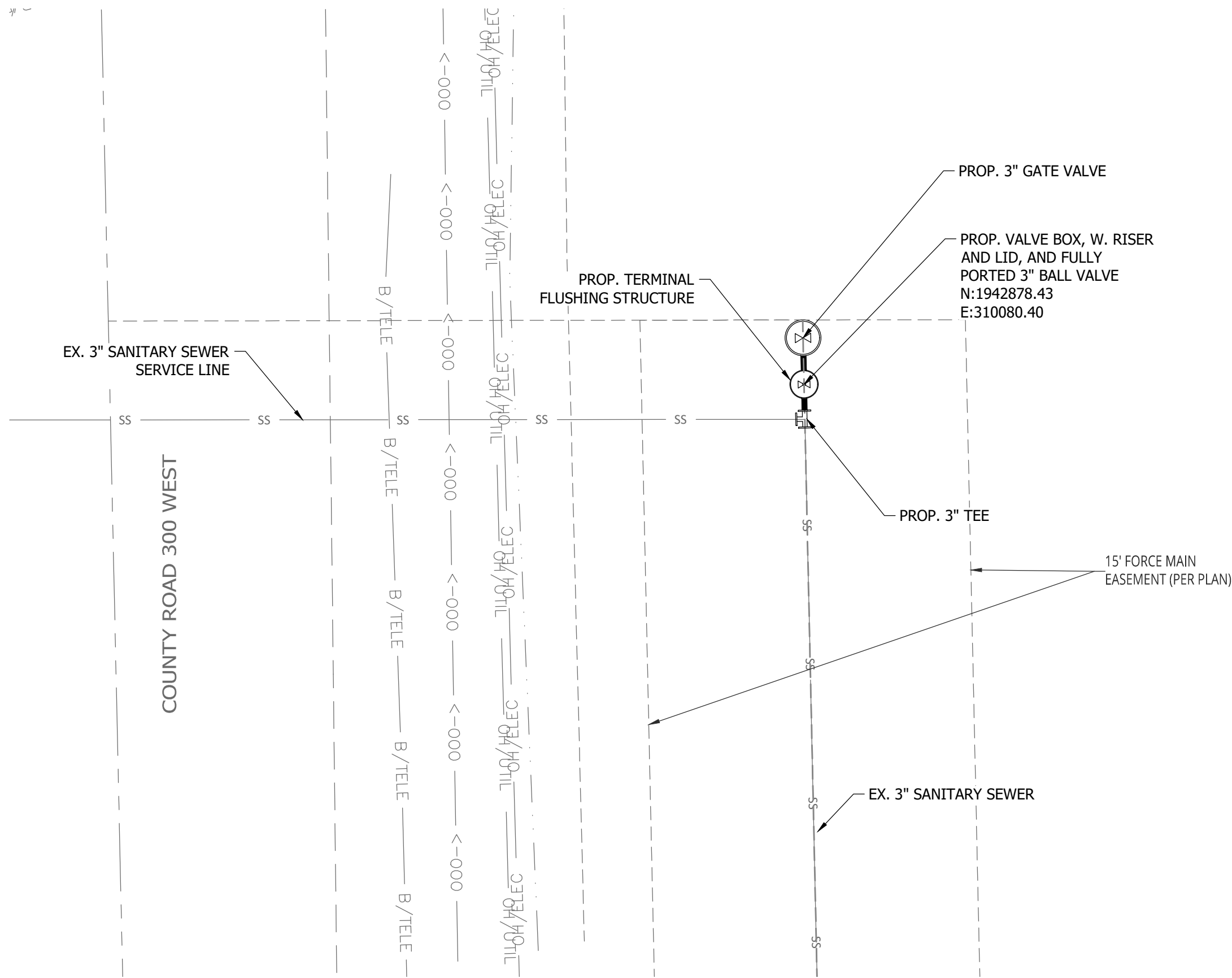
PROPOSED LPS FLUSHING STATION CONNECTIONS - OVERALL VIEW

C202

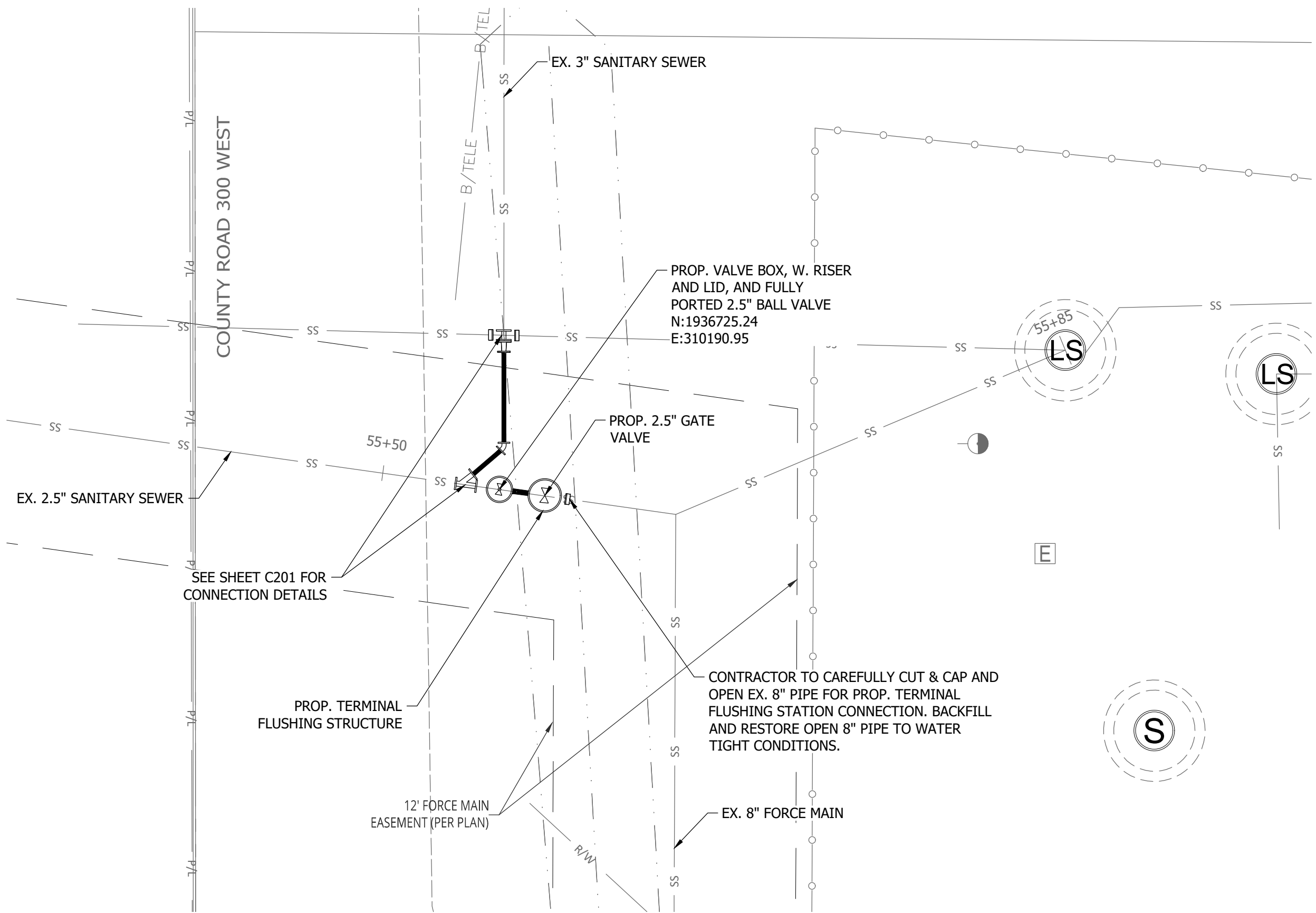
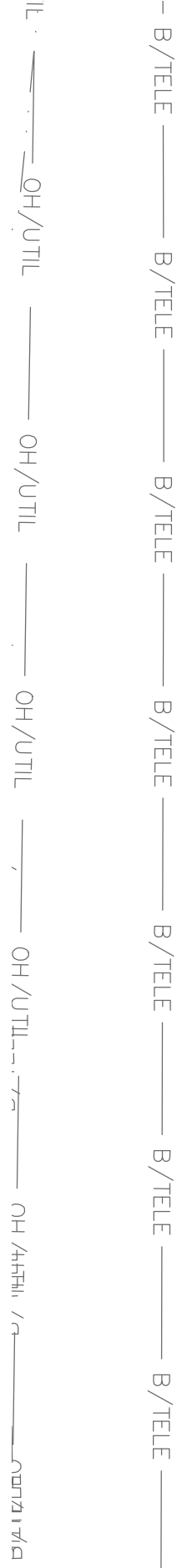
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EDIT DATE: 8/24/26 - 2:07 PM
EDITED BY: RHUNT



TYPICAL IN-LINE FLUSHING CONNECTION ON 2.5" LPS MAIN
SCALE: 1" = 5'-0"



FAITH HARVEST CHURCH - 2015 COUNTY RD 300 W
PROPOSED TERMINAL FLUSHING CONNECTION - PLAN VIEW
SCALE: 1" = 5'-0"



CASE LIFT STATION
PROPOSED TERMINAL FLUSHING CONNECTION - PLAN VIEW
SCALE: 1" = 5'-0"



BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

Project #: 400-6314

Designed By: RJPA

Drawn By: RLH

Checked By: ALC

Date: 08/28/2026



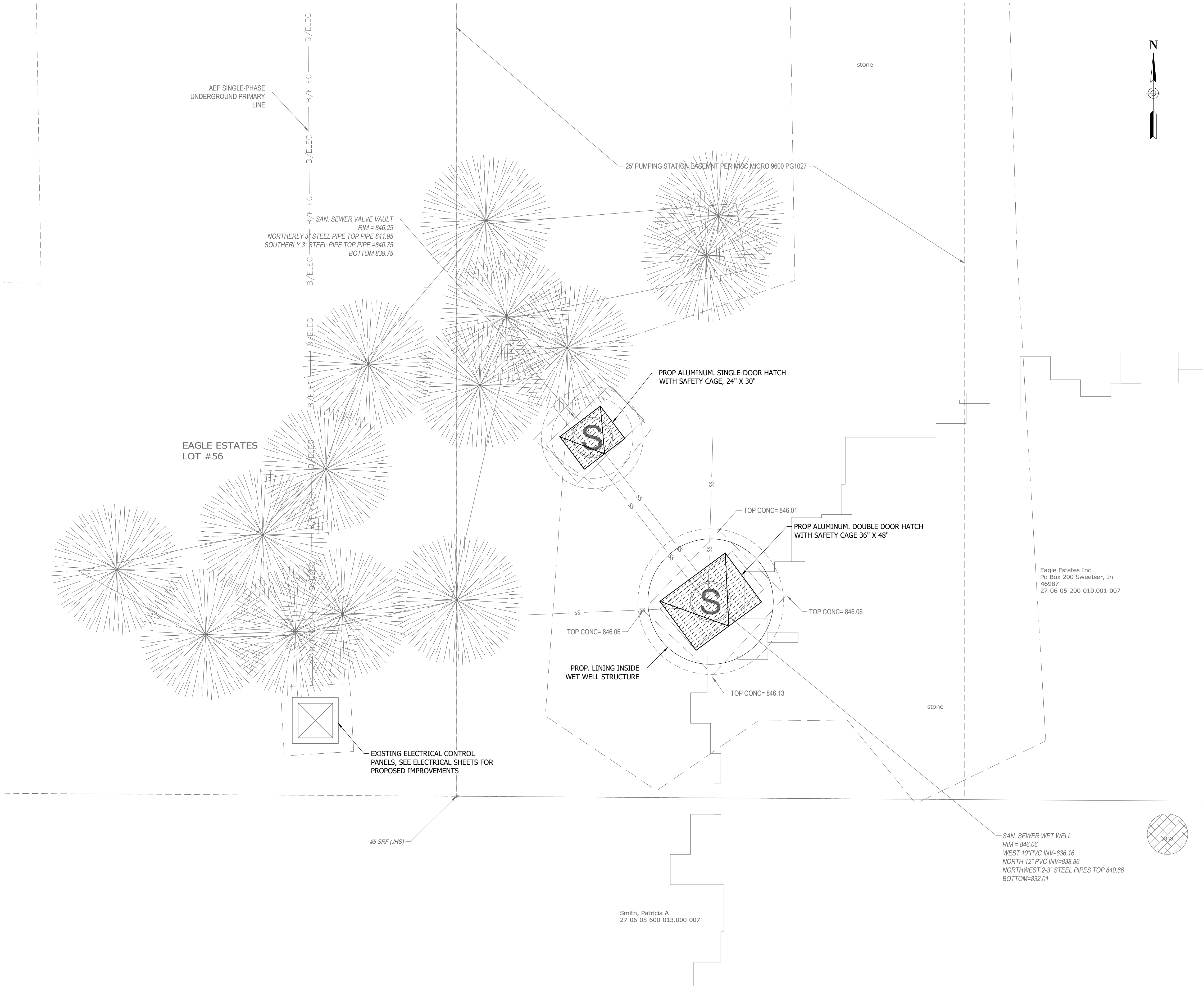
Richard Juan Paredes



PROPOSED FLUSHING STATION CONNECTIONS - PLAN VIEWS

C203

PRINT DATE: 8/27/26
PLOT SCALE: 1:1
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EDITED BY: RHUNT
DATE: 8/25/26 1:37 PM



EAGLE DRIVE LIFT STATION - PLAN VIEW
SCALE: 1" = 2'-6"

- GRADING PLAN NOTES
1.

ALL ELEVATIONS AT CONSTRUCTION LIMITS SHALL MATCH EXISTING GRADE.
2.

TOPSOIL SHALL BE PLACED IN ALL LANDSCAPE AND YARD AREAS WITH A MINIMUM DEPTH OF 6".
3.

MAINTAIN SITE DRAINAGE AT ALL TIMES DURING EARTHWORK OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY DRAINAGE FACILITIES IF NECESSARY THROUGHOUT CONSTRUCTION.
4.

CONTOURS SHOW GRADING INTENT. THE CONTRACTOR MUST USE PROPOSED SPOT GRADE ELEVATIONS AND PROFILES TO BUILD SITE. CONTACT ENGINEER IF ADDITIONAL SPOT GRADES ARE NEEDED FOR CONSTRUCTION.
5.

PAVEMENT AREAS SHALL BE CONSTRUCTED OF SUITABLE FILL MATERIAL AND COMPACTED PER SPECIFICATIONS. FILL AREAS FOR PAVEMENTS ARE TO BE STRIPPED OF ALL TOPSOIL PRIOR TO PLACEMENT OF FILL.
6.

ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
7.

CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING THAT STAKED GRADES MATCH DESIGN ELEVATIONS AND POSITIVE DRAINAGE TO STORMWATER MANAGEMENT SYSTEM IS ACHIEVED. CONTACT ENGINEER IF DESIGN ELEVATIONS DO NOT PROVIDE POSITIVE DRAINAGE.
8.

CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EARTHWORK QUANTITIES AND INCLUDE ANY NECESSARY EXPORT OR IMPORT OF MATERIAL. IMPORT MATERIAL SHALL BE PRE-APPROVED BY THE ENGINEER/ARCHITECT. IT IS THE CONTRACTORS RESPONSIBILITY TO REVIEW THE EXISTING CONDITIONS AND INCLUDE IN THEIR BID ALL EARTHWORK COSTS INCLUDING IMPORTS AND/OR EXPORTS NECESSARY TO MAKE THE SITE BALANCE.
9.

CONTRACTOR TO ADJUST ALL EXISTING SURFACE INFRASTRUCTURE (HYDRANTS, VALVES, HANDHOLES, CASTINGS, IRRIGATION SYSTEM, UTILITY PEDESTALS, ETC.) AS REQUIRED TO MEET PROPOSED GRADE AT NO COST TO OWNER.
10.

PROVIDE POSITIVE DRAINAGE WITHOUT PONDING IN ALL AREAS. AFTER INSTALLATION, CONTRACTOR TO TEST FOR AND CORRECT, IF ANY, STANDING WATER CONDITIONS AT NO COST TO OWNER.
11.

CONTRACTOR TO PERPETUATE ANY SUBSURFACE DRAIN TILES OR PIPES ENCOUNTERED DURING CONSTRUCTION AND PROVIDE POSITIVE POSITIVE OUTLET TO DOWNSTREAM RECEIVING SYSTEM. CONTRACTOR TO NOTIFY THE ENGINEER WITH ANY CIRCUMSTANCES WHERE THIS CANNOT BE ACCOMPLISHED.

- GENERAL NOTES
1.

CONTRACTOR TO INSTALL ALL EQUIPMENT IN COMPLETE ACCORDANCE WITH ALL MANUFACTURER'S RECOMMENDATIONS.
2.

REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.
3.

SEE STRUCTURAL DETAIL AND ELECTRICAL/MECHANICAL SHEETS FOR FURTHER DETAIL.
4.

CONTRACTOR TO COORDINATE WITH ALL OTHER APPLICABLE PLAN SHEETS AND SPECIFICATIONS.
5.

CONTRACTOR TO VERIFY EQUIPMENT MOUNTING ELEVATIONS AND DIMENSIONS PRIOR TO CONSTRUCTION.
6.

TARGET BYPASS FLOWS ARE:
A. AVERAGE DESIGN FLOW: 35 GPM
B. TDH 59'

DECM

BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

Project #: 400-6314

Designed By: RJPA

Drawn By: RLH

Checked By: ALC

Date: 08/28/2026

RICHARD JUAN PAREDES
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

Richard Juan Paredes

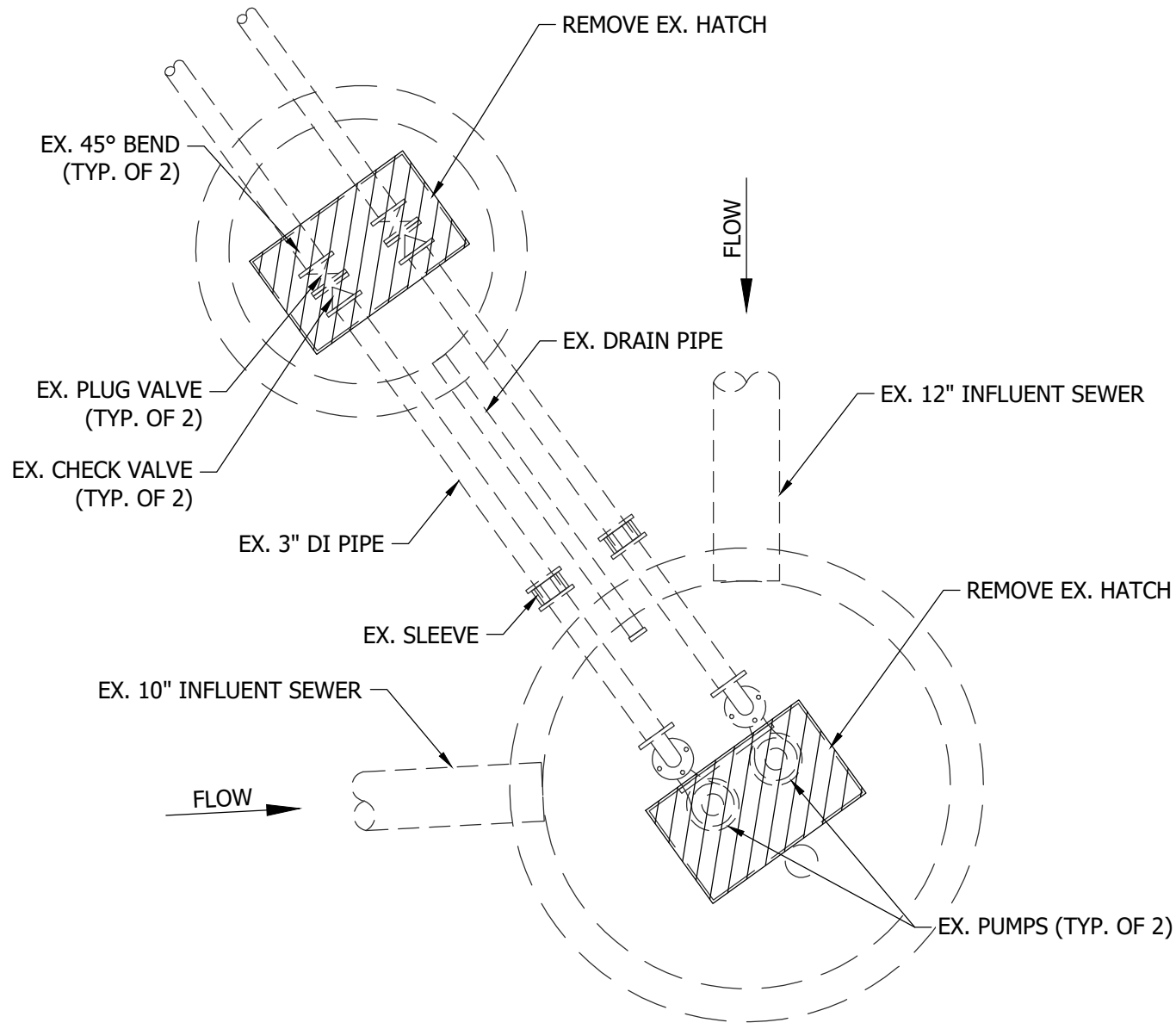
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GRAPHIC SCALE

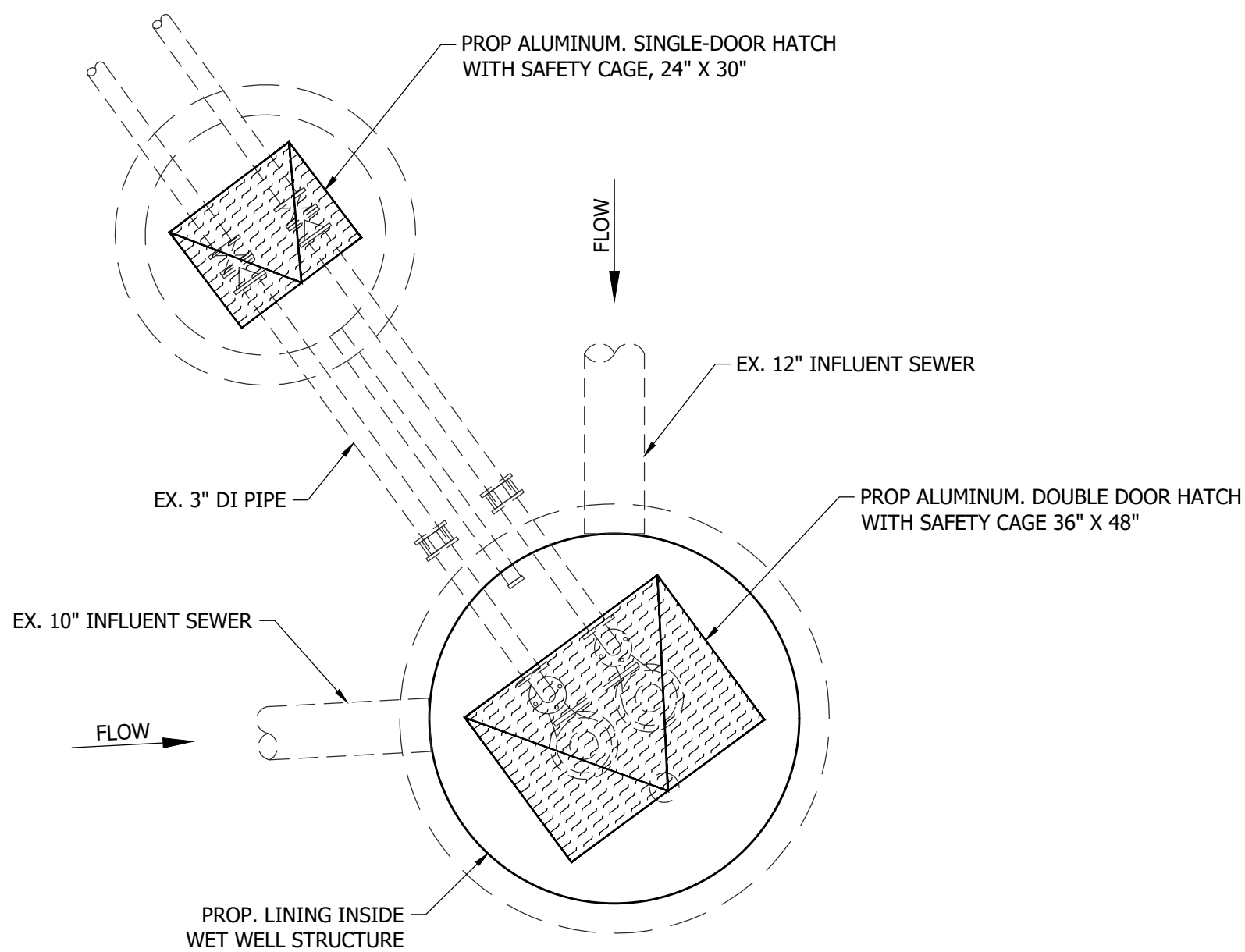
PROPOSED SITE IMPROVEMENTS - EAGLE DRIVE LIFT STATION

C300

PRINT DATE: 8/25/26 1:37 PM EDIT DATE: 8/25/26 1:37 PM EDITED BY: RHUNT DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\ACAD\PLAN SHEETS & WORKING DRAWINGS\4006314 LIFT STATION PROPOSED IMPROVEMENTS SECTIONS AND DETAILS.DWG PLOT SCALE: 1:1



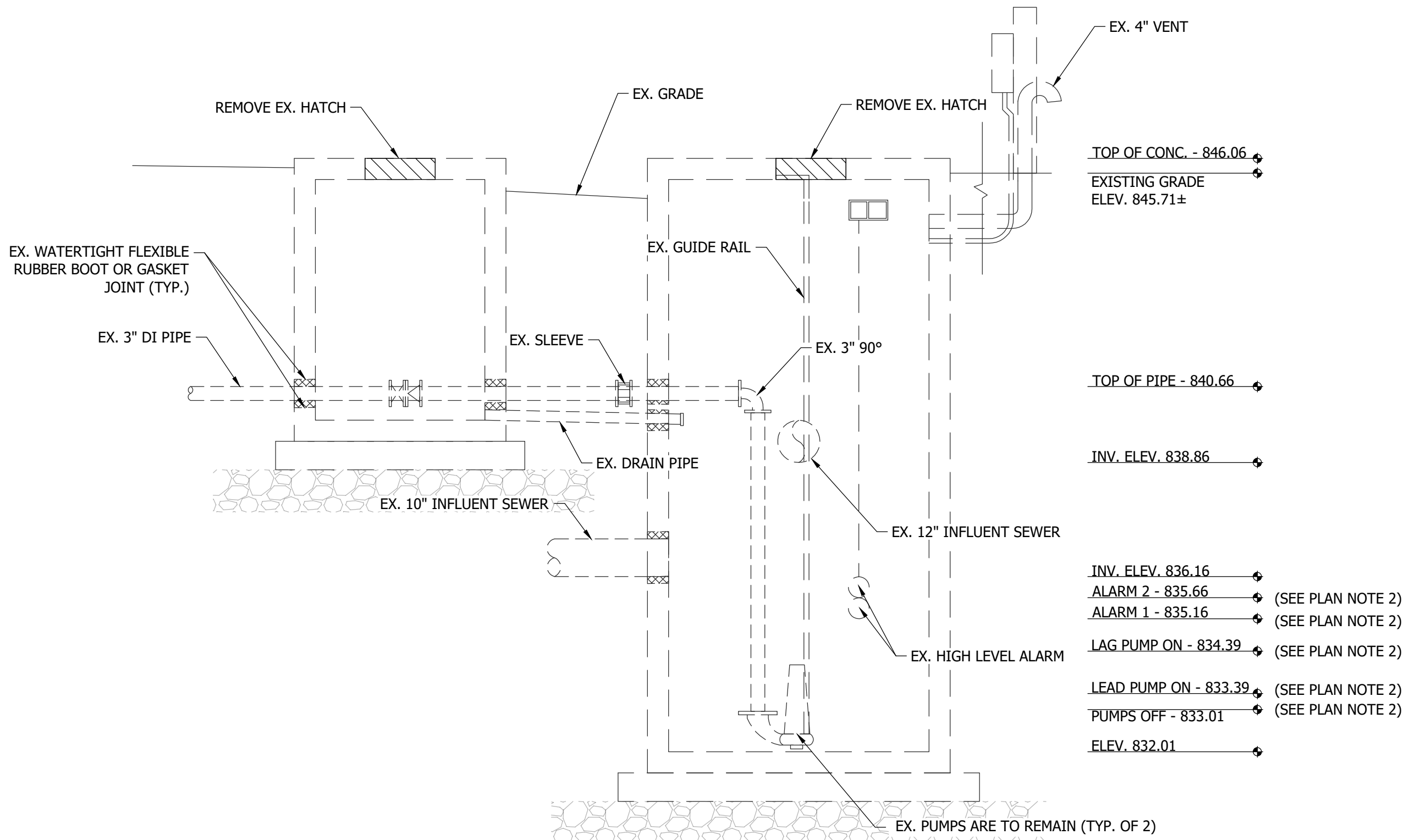
EXISTING SUBMERSIBLE PUMPING STATION GRADE LEVEL - PLAN VIEW
SCALE: 1" = 2'-6"



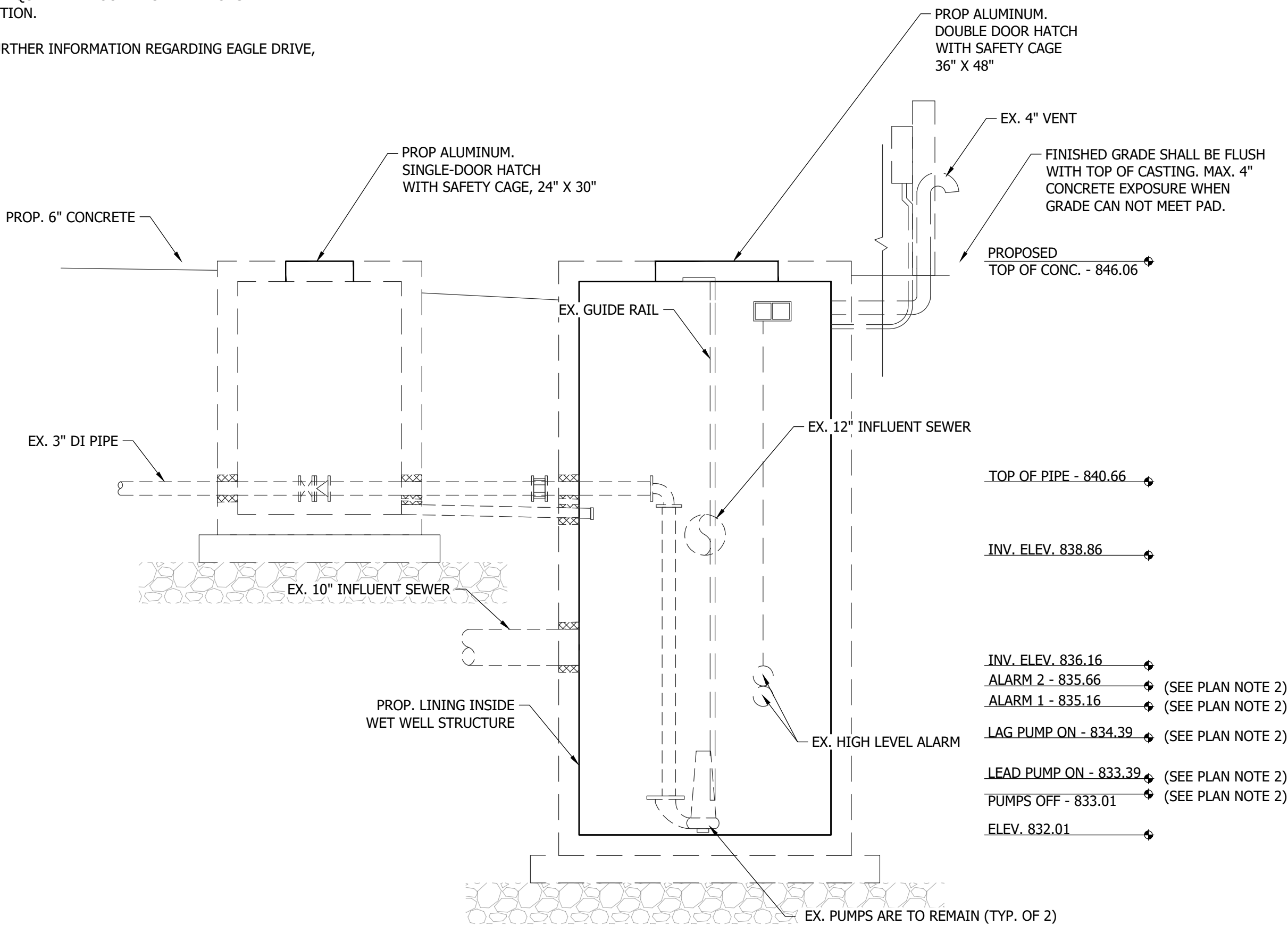
PROPOSED SUBMERSIBLE PUMPING STATION - PLAN VIEW
SCALE: 1" = 2'-6"

NOTES:

- ALUMINUM HATCHES SHALL BE FLYGT, BILCO OR E1 "SAFE HATCH" OR APPROVED EQUAL. LEAF SHALL BE 1/4" ALUMINUM DIAMOND PLATE. CHANNEL FRAME SHALL BE 1/4" EXTRUDED ALUMINUM WITH A MILL FINISH AND BITUMINOUS COATING ON EXTERIOR SURFACES. HATCH SHALL BE PROVIDED WITH 316 STAINLESS STEEL HARDWARE THROUGHOUT, COMPRESSION SPRING OPERATORS, AUTOMATIC HOLD-OPEN ARM WITH RELEASE HANDLE, RECESSED LOCK HASP WITH FLUSH COVER, SLAM LOCK WITH REMOVABLE HANDLE, FALL PROTECTION GRATING AND 1-1/2" DRAIN COUPLING.
- CONTRACTOR TO VERIFY EXISTING EQUIPMENT MOUNTING ELEVATIONS AND DIMENSIONS PRIOR TO CONSTRUCTION.
- REFER TO SPECIFICATIONS FOR FURTHER INFORMATION REGARDING EAGLE DRIVE, SHORT STREET AND KELLY DRIVE.



EXISTING SUBMERSIBLE PUMPING STATION - SECTION VIEW A-A
SCALE: 1" = 2'-6"



PROPOSED SUBMERSIBLE PUMPING STATION - SECTION VIEW B-B
SCALE: 1" = 2'-6"



BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

Project #: 400-6314

Designed By: RJPA

Drawn By: RLH

Checked By: ALC

Date: 08/28/2026



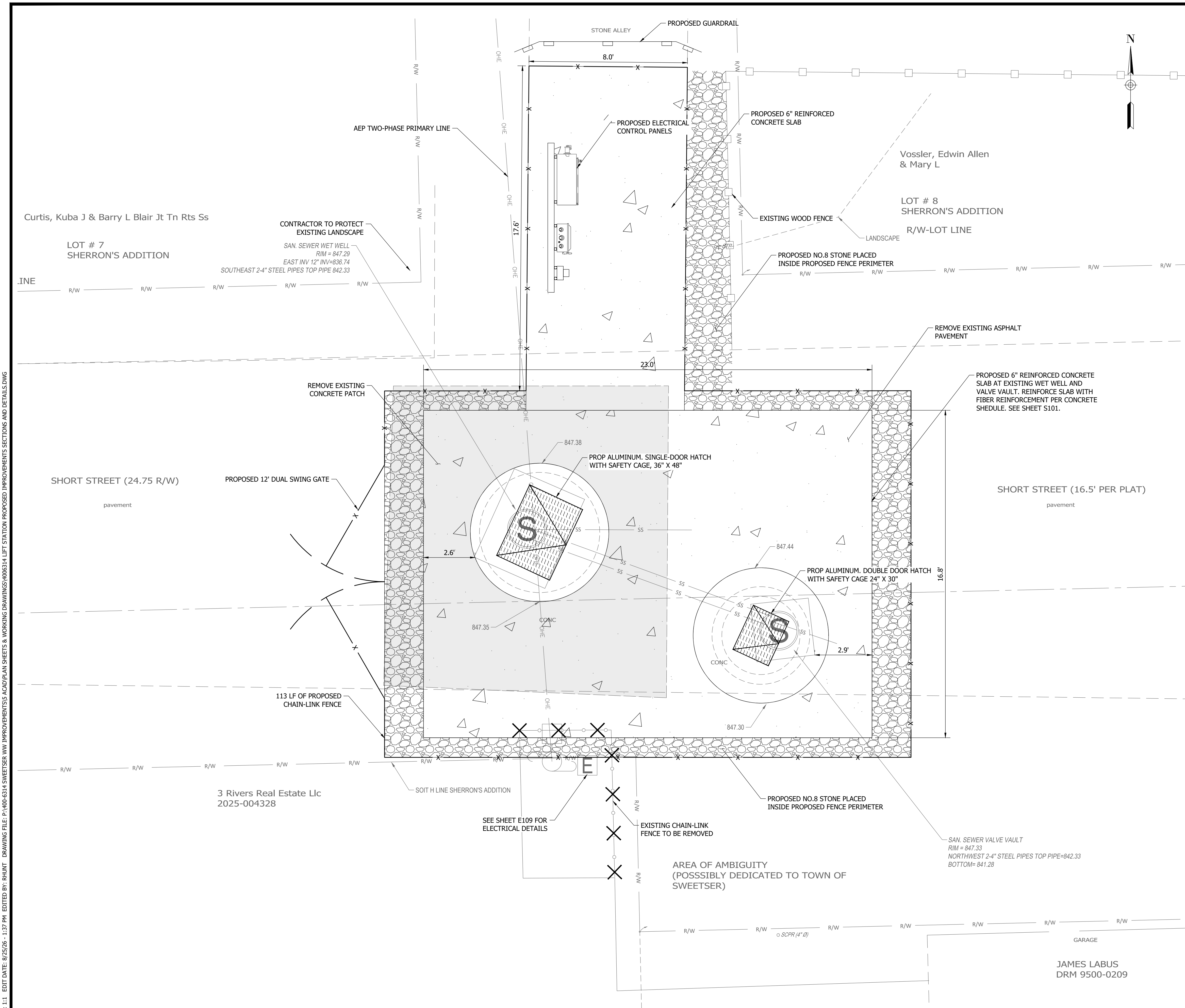
Ricardo Juan Paredes



EAGLE DRIVE LIFT STATION PLAN AND SECTION VIEWS

C301

PRINT DATE: 8/27/26
PLOT SCALE: 1" = 2'-6"



SHORT STREET LIFT STATION - PLAN VIEW
SCALE: 1" = 2'-6"

- GRADING PLAN NOTES
1.

ALL ELEVATIONS AT CONSTRUCTION LIMITS SHALL MATCH EXISTING GRADE.
2.

TOPSOIL SHALL BE PLACED IN ALL LANDSCAPE AND YARD AREAS WITH A MINIMUM DEPTH OF 6".
3.

MAINTAIN SITE DRAINAGE AT ALL TIMES DURING EARTHWORK OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY DRAINAGE FACILITIES IF NECESSARY THROUGHOUT CONSTRUCTION.
4.

CONTOURS SHOW GRADING INTENT. THE CONTRACTOR MUST USE PROPOSED SPOT GRADE ELEVATIONS AND PROFILES TO BUILD SITE. CONTACT ENGINEER IF ADDITIONAL SPOT GRADES ARE NEEDED FOR CONSTRUCTION.
5.

PAVEMENT AREA SHALL BE CONSTRUCTED OF SUITABLE FILL MATERIAL AND COMPACTED PER SPECIFICATIONS. FILL AREAS FOR PAVEMENTS ARE TO BE STRIPPED OF ALL TOPSOIL PRIOR TO PLACEMENT OF FILL.
6.

ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
7.

CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING THAT STAKED GRADES MATCH DESIGN ELEVATIONS AND POSITIVE DRAINAGE TO STORMWATER MANAGEMENT SYSTEM IS ACHIEVED. CONTACT ENGINEER IF DESIGN ELEVATIONS DO NOT PROVIDE POSITIVE DRAINAGE.
8.

CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EARTHWORK QUANTITIES AND INCLUDE ANY NECESSARY EXPORT OR IMPORT OF MATERIAL. IMPORT MATERIAL SHALL BE PRE-APPROVED BY THE ENGINEER/ARCHITECT. IT IS THE CONTRACTORS RESPONSIBILITY TO REVIEW THE EXISTING CONDITIONS AND INCLUDE IN THEIR BID ALL EARTHWORK COSTS INCLUDING IMPORTS AND/OR EXPORTS NECESSARY TO MAKE THE SITE BALANCE.
9.

CONTRACTOR TO ADJUST ALL EXISTING SURFACE INFRASTRUCTURE (HYDRANTS, VALVES, HANDHOLES, CASTINGS, IRRIGATION SYSTEM, UTILITY PEDESTALS, ETC.) AS REQUIRED TO MEET PROPOSED GRADE AT NO COST TO OWNER.
10.

PROVIDE POSITIVE DRAINAGE WITHOUT PONDING IN ALL AREAS. AFTER INSTALLATION, CONTRACTOR TO TEST FOR AND CORRECT, IF ANY, STANDING WATER CONDITIONS AT NO COST TO OWNER.
11.

CONTRACTOR TO PERPETUATE ANY SUBSURFACE DRAIN TILES OR PIPES ENCOUNTERED DURING CONSTRUCTION AND PROVIDE POSITIVE POSITIVE OUTLET TO DOWNSTREAM RECEIVING SYSTEM. CONTRACTOR TO NOTIFY THE ENGINEER WITH ANY CIRCUMSTANCES WHERE THIS CANNOT BE ACCOMPLISHED.

- GENERAL NOTES
1.

CONTRACTOR TO INSTALL ALL EQUIPMENT IN COMPLETE ACCORDANCE WITH ALL MANUFACTURER'S RECOMMENDATIONS.
2.

REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.
3.

SEE STRUCTURAL DETAIL AND ELECTRICAL/MECHANICAL SHEETS FOR FURTHER DETAIL.
4.

CONTRACTOR TO COORDINATE WITH ALL OTHER APPLICABLE PLAN SHEETS AND SPECIFICATIONS.
5.

CONTRACTOR TO VERIFY EQUIPMENT MOUNTING ELEVATIONS AND DIMENSIONS PRIOR TO CONSTRUCTION.
6.

TARGET BYPASS FLOWS ARE:
A. AVERAGE DESIGN FLOW: 200 GPM
B. TDH: 59



BID SET

SWEETSER WASTEWATER
IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

Project #: 400-6314

Designed By: RJPA

Drawn By: RLH

Checked By: ALC

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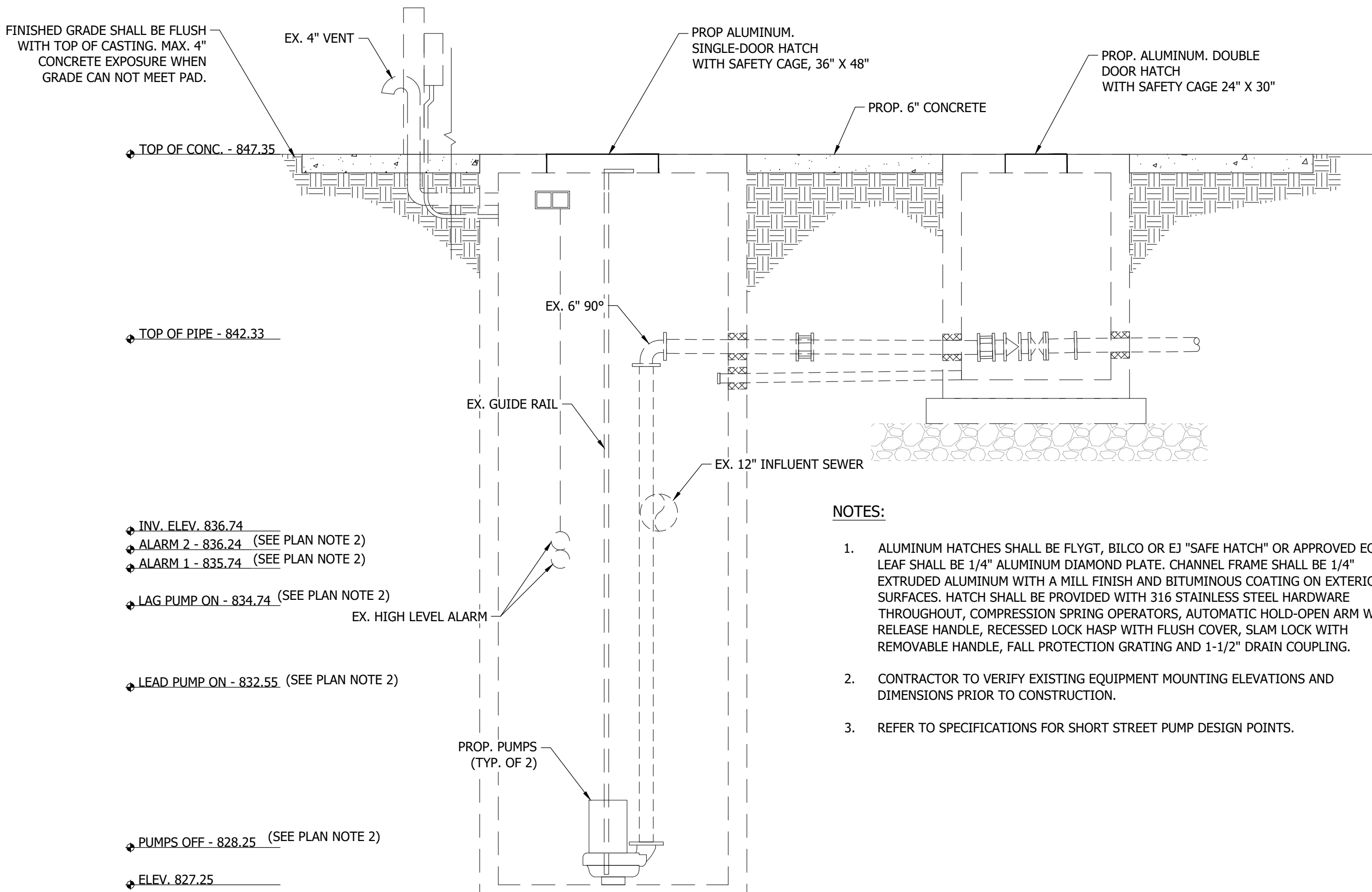
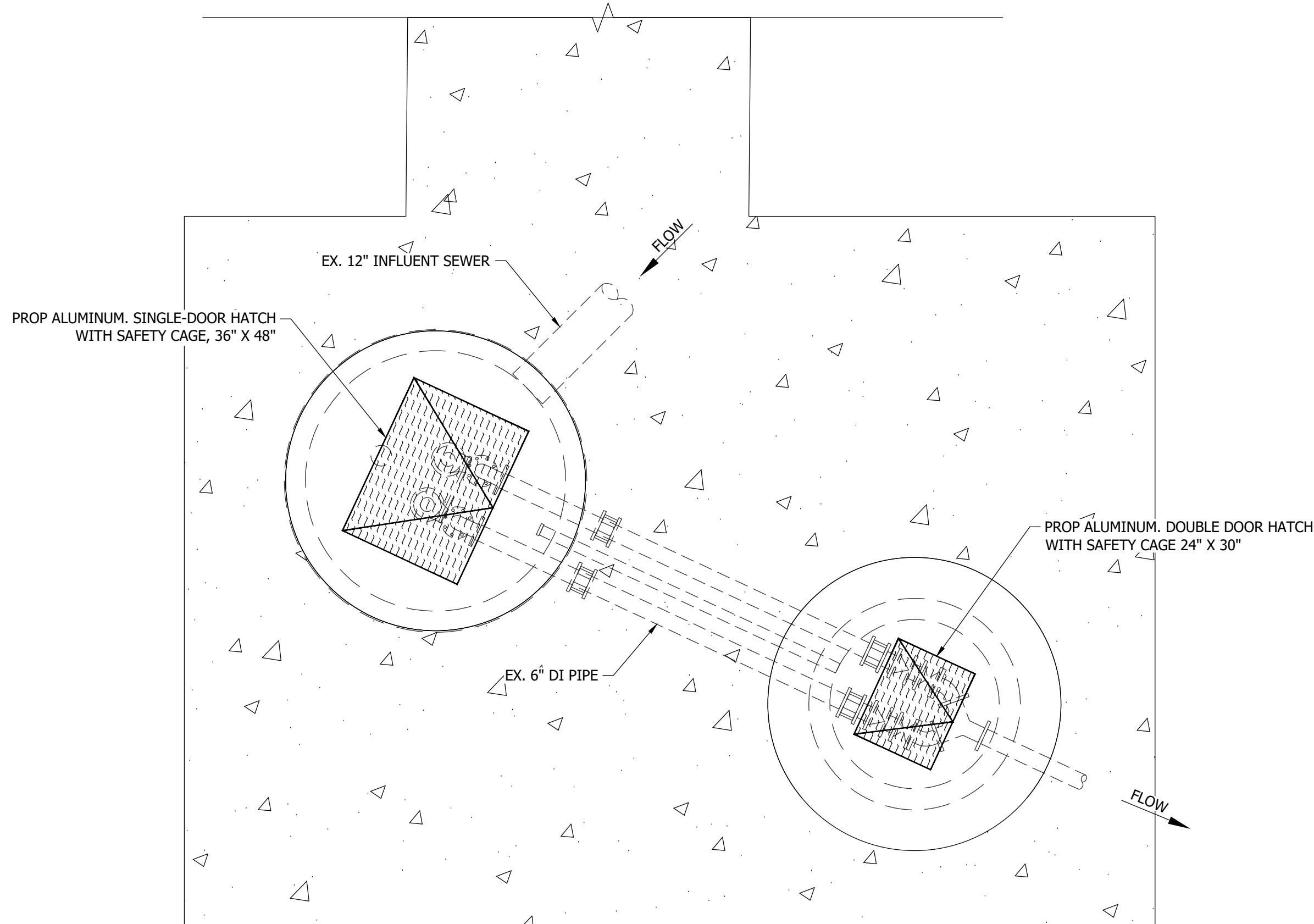
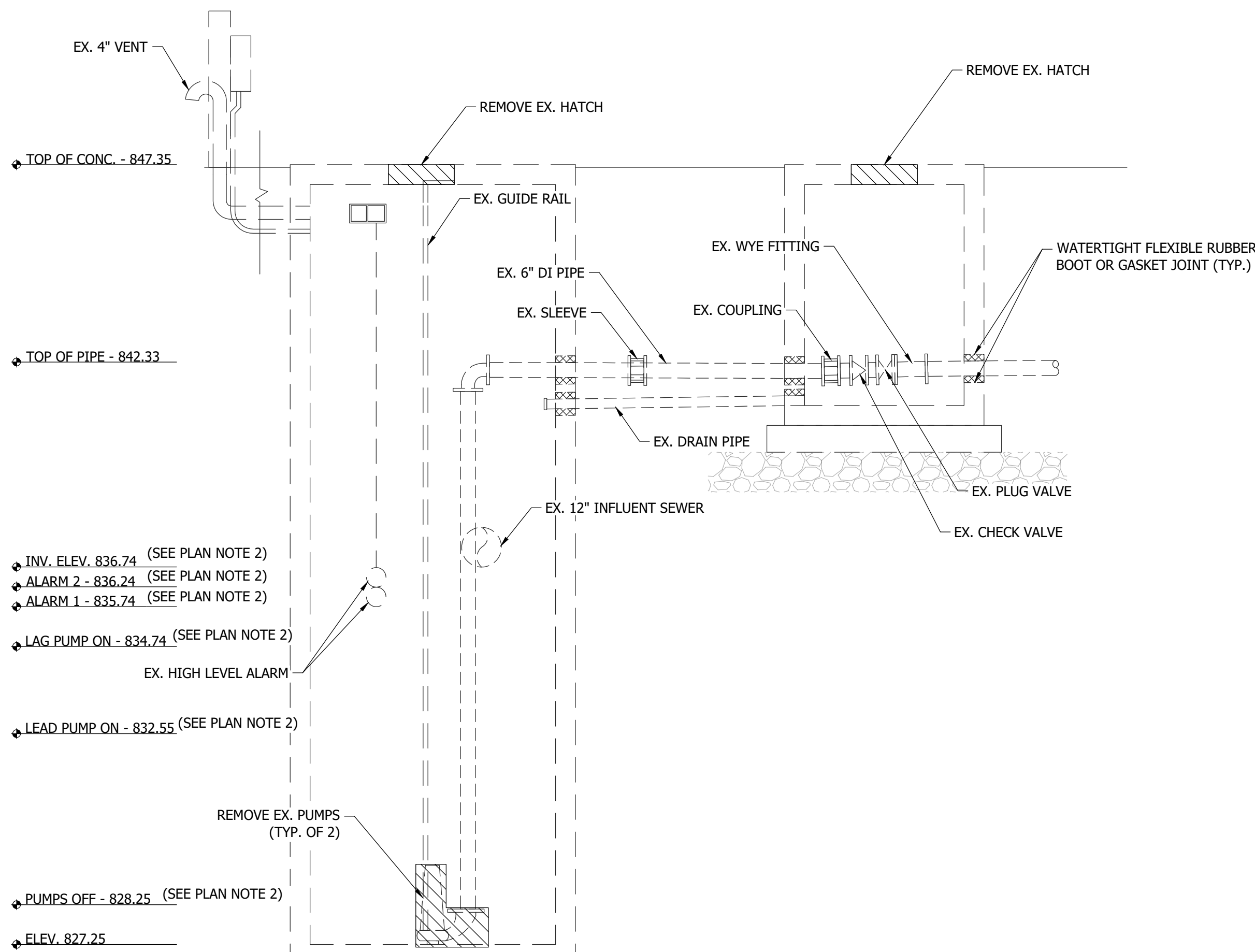
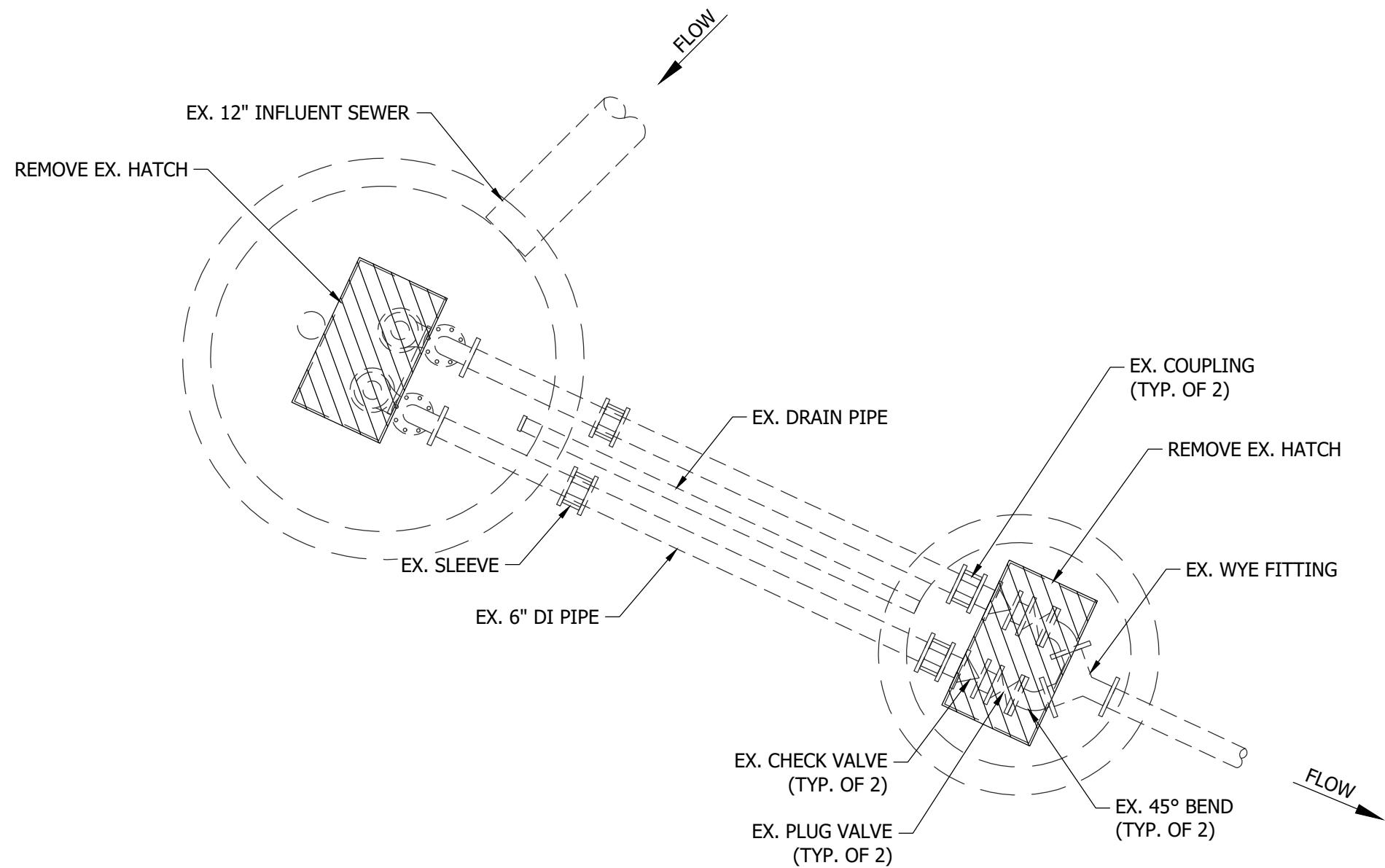
Richard Juan Paredes



PROPOSED SITE
IMPROVEMENTS - SHORT
STREET LIFT STATION

C302

PRINT DATE: 8/27/26
PLOT SCALE: 1" = 2'-6"
DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\ACAD\PLAN SHEETS & WORKING DRAWINGS\4006314 LIFT STATION PROPOSED IMPROVEMENTS SECTIONS AND DETAILS.DWG
EDT DATE: 8/25/26 1:37 PM
EDITED BY: RHUNT



NOTES:

1. ALUMINUM HATCHES SHALL BE FLYGT, BILCO OR EJ "SAFE HATCH" OR APPROVED EQUAL. LEAF SHALL BE 1/4" ALUMINUM DIAMOND PLATE. CHANNEL FRAME SHALL BE 1/4" EXTRUDED ALUMINUM WITH A MILL FINISH AND BITUMINOUS COATING ON EXTERIOR SURFACES. HATCH SHALL BE PROVIDED WITH 316 STAINLESS STEEL HARDWARE THROUGHOUT, COMPRESSION SPRING OPERATORS, AUTOMATIC HOLD-OPEN ARM WITH RELEASE HANDLE, RECESSED LOCK HASP WITH FLUSH COVER, SLAM LOCK WITH REMOVABLE HANDLE, FALL PROTECTION GRATING AND 1-1/2" DRAIN COUPLING.
2. CONTRACTOR TO VERIFY EXISTING EQUIPMENT MOUNTING ELEVATIONS AND DIMENSIONS PRIOR TO CONSTRUCTION.
3. REFER TO SPECIFICATIONS FOR SHORT STREET PUMP DESIGN POINTS.



BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

Project #: 400-6314

Designed By: RJPA

Drawn By: RLH

Checked By: ALC

Date: 08/28/2026



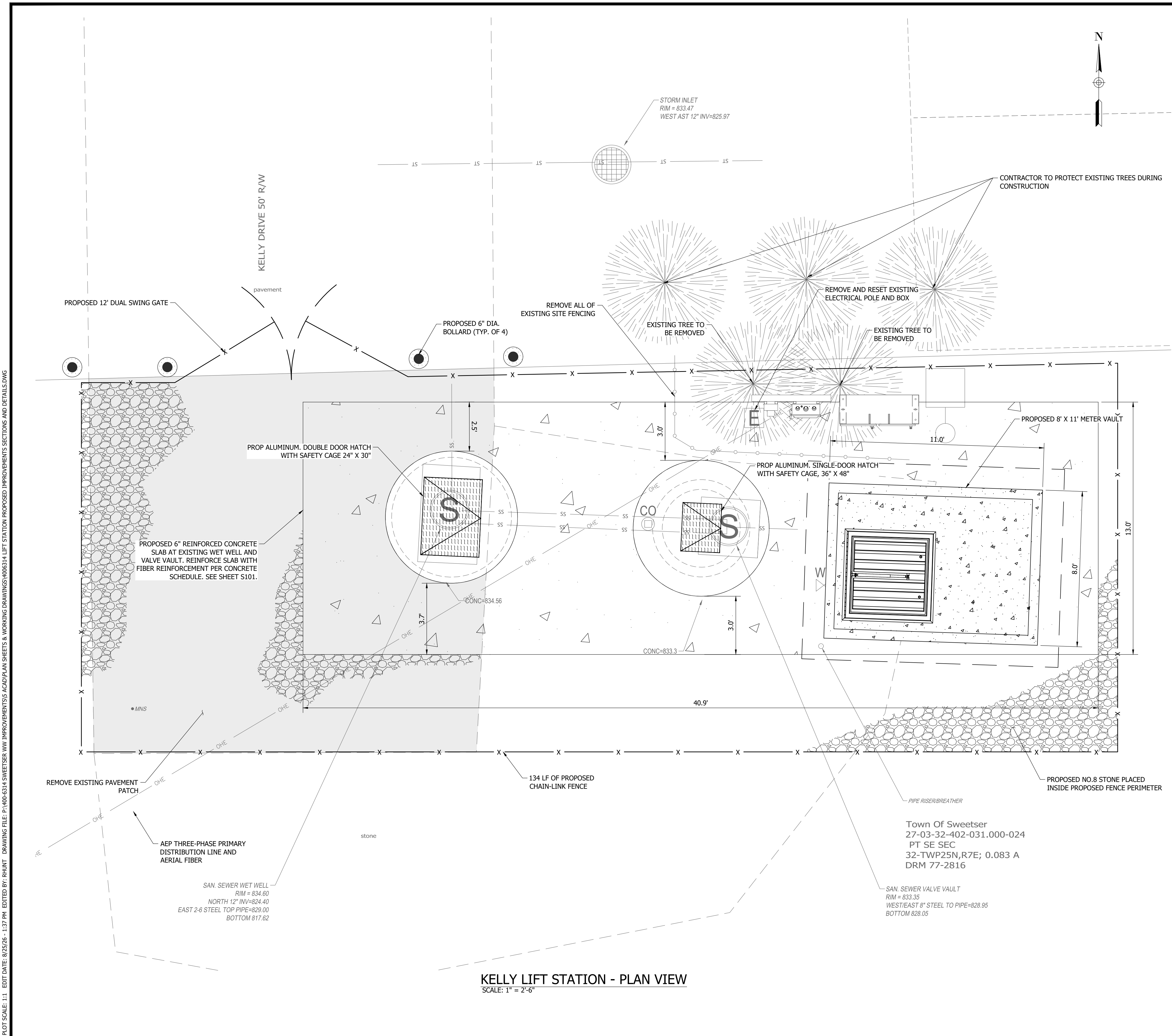
Ricardo Juan Paredes



SHORT STREET LIFT
STATION PLAN AND
SECTION VIEWS

C303

PRINT DATE: 8/27/26
PLOT SCALE: 1" = 2'-6"



- ### GRADING PLAN NOTES
- ALL ELEVATIONS AT CONSTRUCTION LIMITS SHALL MATCH EXISTING GRADE.
 - TOPSOIL SHALL BE PLACED IN ALL LANDSCAPE AND YARD AREAS WITH A MINIMUM DEPTH OF 6".
 - MAINTAIN SITE DRAINAGE AT ALL TIMES DURING EARTHWORK OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY DRAINAGE FACILITIES IF NECESSARY THROUGHOUT CONSTRUCTION.
 - CONTOURS SHOW GRADING INTENT. THE CONTRACTOR MUST USE PROPOSED SPOT GRADE ELEVATIONS AND PROFILES TO BUILD SITE. CONTACT ENGINEER IF ADDITIONAL SPOT GRADES ARE NEEDED FOR CONSTRUCTION.
 - PAVEMENT AREA SHALL BE CONSTRUCTED OF SUITABLE FILL MATERIAL AND COMPACTED PER SPECIFICATIONS. FILL AREAS FOR PAVEMENTS ARE TO BE STRIPPED OF ALL TOPSOIL PRIOR TO PLACEMENT OF FILL.
 - ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING THAT STAKED GRADES MATCH DESIGN ELEVATIONS AND POSITIVE DRAINAGE TO STORMWATER MANAGEMENT SYSTEM IS ACHIEVED. CONTACT ENGINEER IF DESIGN ELEVATIONS DO NOT PROVIDE POSITIVE DRAINAGE.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EARTHWORK QUANTITIES AND INCLUDE ANY NECESSARY EXPORT OR IMPORT OF MATERIAL. IMPORT MATERIAL SHALL BE PRE-APPROVED BY THE ENGINEER/ARCHITECT. IT IS THE CONTRACTORS RESPONSIBILITY TO REVIEW THE EXISTING CONDITIONS AND INCLUDE IN THEIR BID ALL EARTHWORK COSTS INCLUDING IMPORTS AND/OR EXPORTS NECESSARY TO MAKE THE SITE BALANCE.
 - CONTRACTOR TO ADJUST ALL EXISTING SURFACE INFRASTRUCTURE (HYDRANTS, VALVES, HANDHOLES, CASTINGS, IRRIGATION SYSTEM, UTILITY PEDESTALS, ETC.) AS REQUIRED TO MEET PROPOSED GRADE AT NO COST TO OWNER.
 - PROVIDE POSITIVE DRAINAGE WITHOUT PONDING IN ALL AREAS. AFTER INSTALLATION, CONTRACTOR TO TEST FOR AND CORRECT, IF ANY, STANDING WATER CONDITIONS AT NO COST TO OWNER.
 - CONTRACTOR TO PERPETUATE ANY SUBSURFACE DRAIN TILES OR PIPES ENCOUNTERED DURING CONSTRUCTION AND PROVIDE POSITIVE POSITIVE OUTLET TO DOWNSTREAM RECEIVING SYSTEM. CONTRACTOR TO NOTIFY THE ENGINEER WITH ANY CIRCUMSTANCES WHERE THIS CANNOT BE ACCOMPLISHED.

- ### GENERAL NOTES
- CONTRACTOR TO INSTALL ALL EQUIPMENT IN COMPLETE ACCORDANCE WITH ALL MANUFACTURER'S RECOMMENDATIONS.
 - REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.
 - SEE STRUCTURAL DETAIL AND ELECTRICAL/MECHANICAL SHEETS FOR FURTHER DETAIL.
 - CONTRACTOR TO COORDINATE WITH ALL OTHER APPLICABLE PLAN SHEETS AND SPECIFICATIONS.
 - CONTRACTOR TO VERIFY EQUIPMENT MOUNTING ELEVATIONS AND DIMENSIONS PRIOR TO CONSTRUCTION.
 - TARGET BYPASS FLOWS ARE:
 - A. PEAK DESIGN FLOW: 524 GPM.
 - B. TDH: 153 FT.



BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

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Drawn By: RLH
Checked By: ALG
Date: 08/28/2026



Richard Juan Paredes



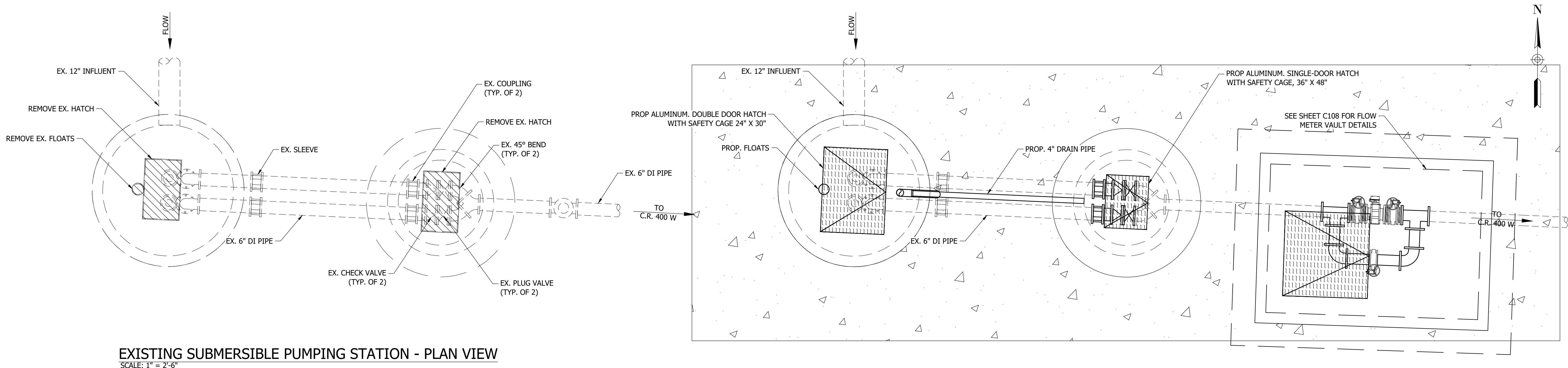
PROPOSED SITE IMPROVEMENTS - KELLY LIFT STATION

C304

PRINT DATE: 8/27/26
PLOT SCALE: 1" = 2'-6"

DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\ACAD\PLAN SHEETS & WORKING DRAWINGS\4006314 LIFT STATION PROPOSED IMPROVEMENTS SECTIONS AND DETAILS.DWG

EDIT DATE: 8/25/26 1:37 PM
EDIT BY: RHUNT

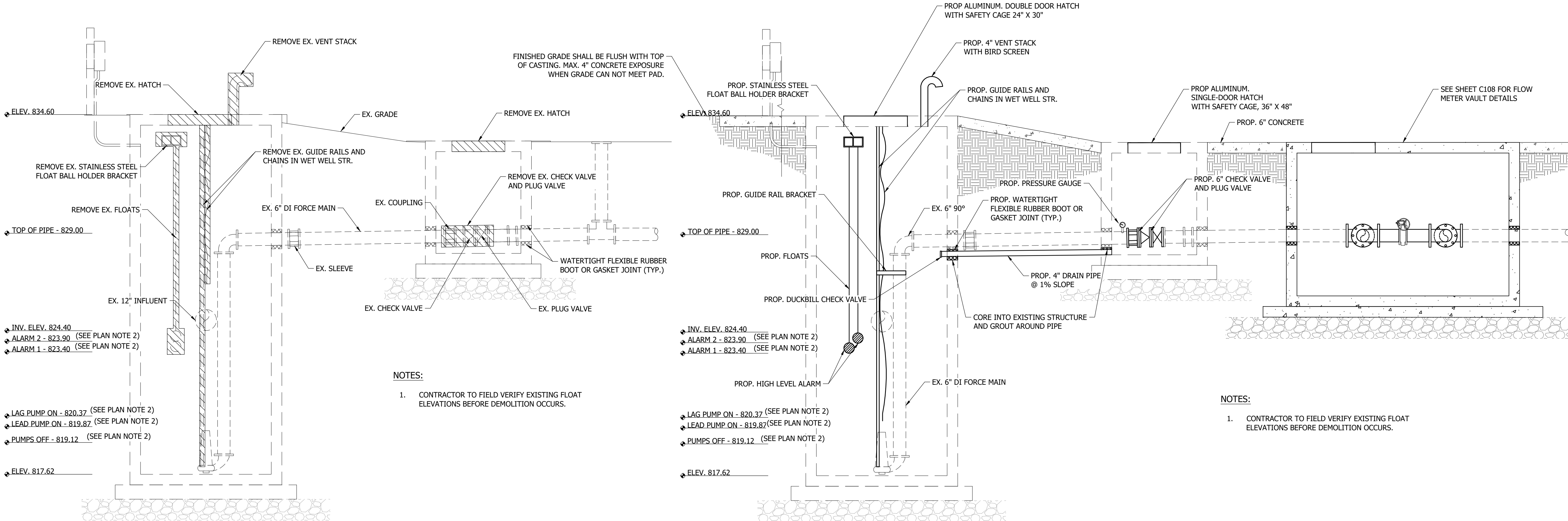


EXISTING SUBMERSIBLE PUMPING STATION - PLAN VIEW
SCALE: 1" = 2'-6"

PROPOSED SUBMERSIBLE PUMPING STATION - PLAN VIEW
SCALE: 1" = 2'-6"

NOTES:

- ALUMINUM HATCHES SHALL BE FLYGT, BILCO OR EJ "SAFE HATCH" OR APPROVED EQUAL. LEAF SHALL BE 1/4" ALUMINUM DIAMOND PLATE. CHANNEL FRAME SHALL BE 1/4" EXTRUDED ALUMINUM WITH A MILL FINISH AND BITUMINOUS COATING ON EXTERIOR SURFACES. HATCH SHALL BE PROVIDED WITH 316 STAINLESS STEEL HARDWARE THROUGHOUT, COMPRESSION SPRING OPERATORS, AUTOMATIC HOLD-OPEN ARM WITH RELEASE HANDLE, RECESSED LOCK HASP WITH FLUSH COVER, SLAM LOCK WITH REMOVABLE HANDLE, FALL PROTECTION GRATING AND 1-1/2" DRAIN COUPLING.
- CONTRACTOR TO VERIFY EXISTING EQUIPMENT MOUNTING ELEVATIONS AND DIMENSIONS PRIOR TO CONSTRUCTION.
- REFER TO SPECIFICATIONS FOR FURTHER INFORMATION REGARDING EAGLE DRIVE, SHORT STREET AND KELLY DRIVE.



EXISTING SUBMERSIBLE PUMPING STATION - SECTION VIEW
SCALE: 1" = 2'-6"

PROPOSED SUBMERSIBLE PUMPING STATION - SECTION VIEW
SCALE: 1" = 2'-6"

NOTES:

- CONTRACTOR TO FIELD VERIFY EXISTING FLOAT ELEVATIONS BEFORE DEMOLITION OCCURS.

NOTES:

- CONTRACTOR TO FIELD VERIFY EXISTING FLOAT ELEVATIONS BEFORE DEMOLITION OCCURS.



BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA 46987

#	Revision	Date

Project #: 400-6314

Designed By: RJPA

Drawn By: RLH

Checked By: ALC

Date: 08/28/2026



Ricardo Juan Paredes

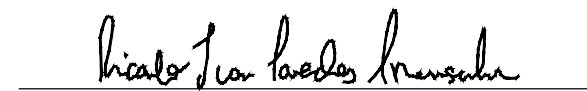


KELLY LIFT STATION
PLAN AND SECTION
VIEWS

C305

SWEETSER, INDIANA, 46987

Date: 08/28/2026



C306

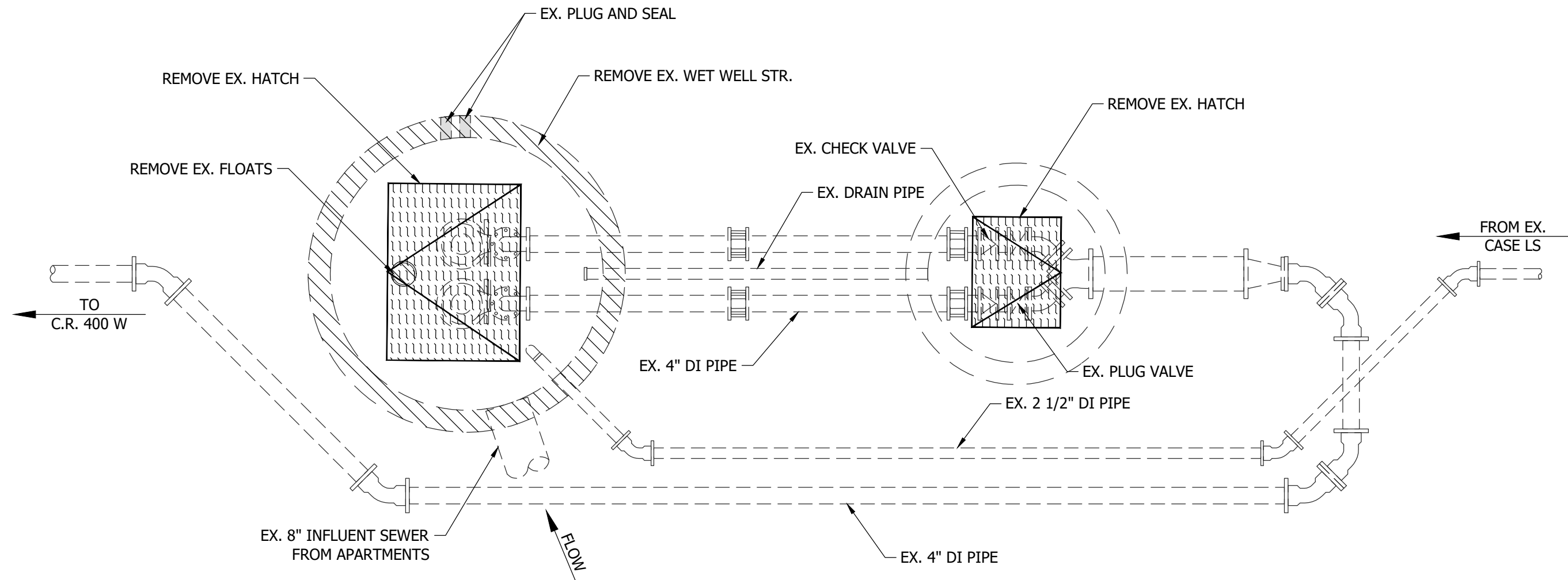


- ## GENERAL NOTES
-
1. CONTRACTOR TO INSTALL ALL EQUIPMENT IN COMPLETE ACCORDANCE WITH ALL MANUFACTURER'S RECOMMENDATIONS.
 2. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.
 3. SEE STRUCTURAL DETAIL AND ELECTRICAL/MECHANICAL SHEETS FOR FURTHER DETAIL.
 4. CONTRACTOR TO COORDINATE WITH ALL OTHER APPLICABLE PLAN SHEETS AND SPECIFICATIONS.
 5. CONTRACTOR TO VERIFY EQUIPMENT MOUNTING ELEVATIONS AND DIMENSIONS PRIOR TO CONSTRUCTION.
 6. TARGET BYPASS FLOWS ARE:
 - A. AVERAGE DESIGN FLOW: 16 GPM.
 - B. PEAK DESIGN FLOW: 62 GPM.
 - C. TDH: 130 FT.

PRINT DATE: 8/27/26
PLOT SCALE: 1" = 2'-6"

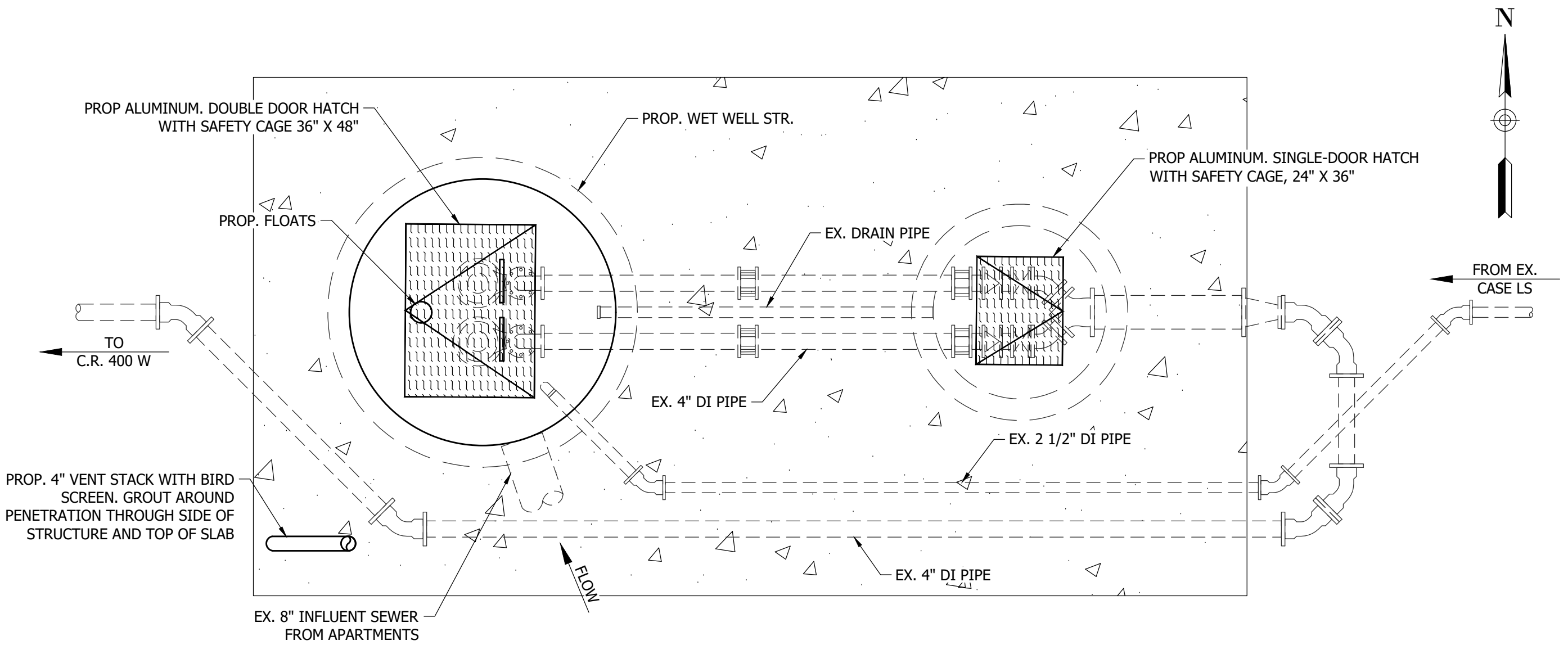
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EDT DATE: 8/25/26 1:37 PM



EXISTING SUBMERSIBLE PUMPING STATION GRADE LEVEL - PLAN VIEW

SCALE: 1" = 2'-6"

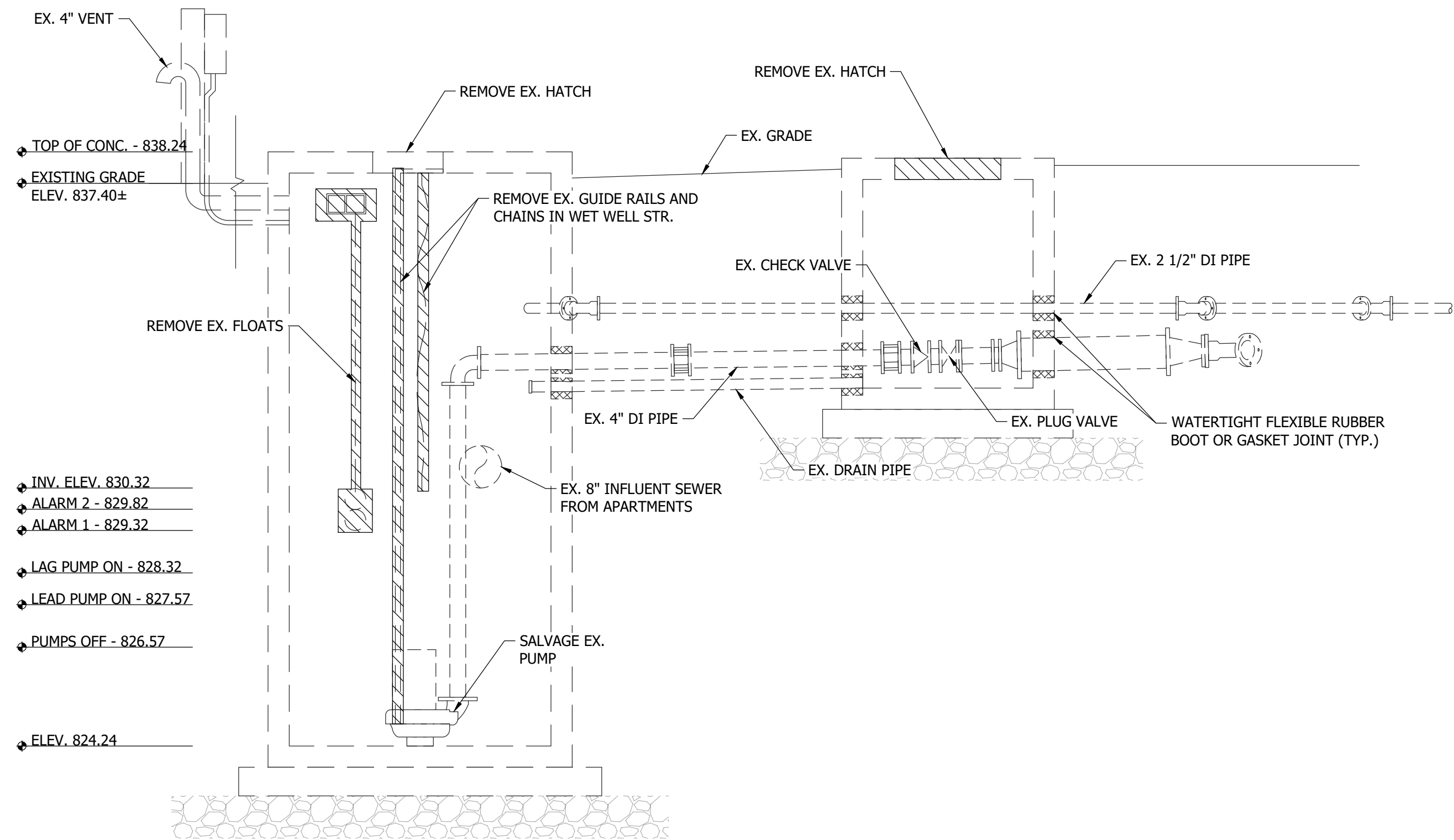


PROPOSED SUBMERSIBLE PUMPING STATION GRADE LEVEL - PLAN VIEW

SCALE: 1" = 2'-6"

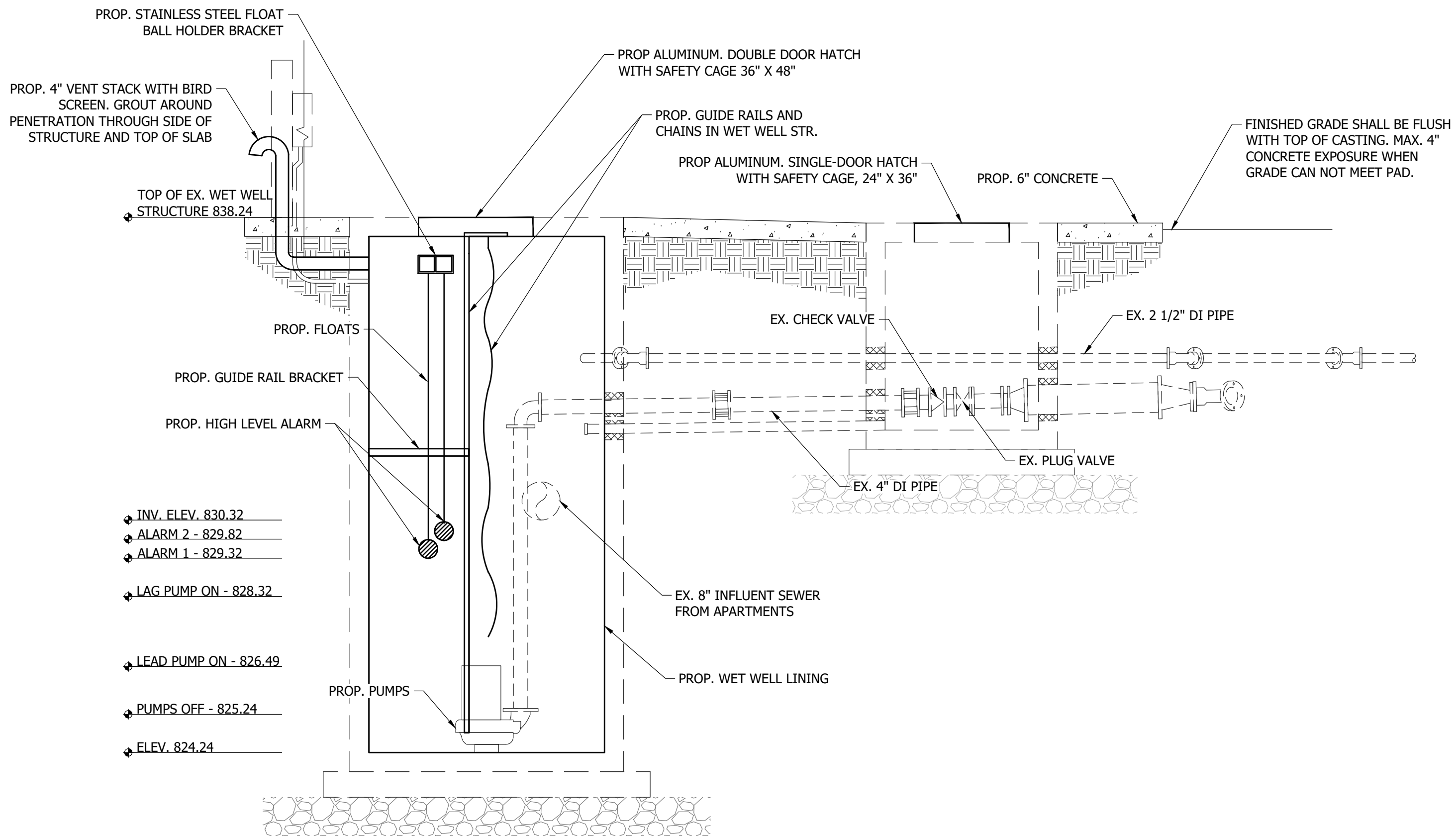
NOTE:

ALUMINUM HATCHES SHALL BE FLYGT, BILCO OR EJ "SAFE HATCH" OR APPROVED EQUAL. LEAF SHALL BE 1/4" ALUMINUM DIAMOND PLATE. CHANNEL FRAME SHALL BE 1/4" EXTRUDED ALUMINUM WITH A MILL FINISH AND BITUMINOUS COATING ON EXTERIOR SURFACES. HATCH SHALL BE PROVIDED WITH 316 STAINLESS STEEL HARDWARE THROUGHOUT, COMPRESSION SPRING OPERATORS, AUTOMATIC HOLD-OPEN ARM WITH RELEASE HANDLE, RECESSED LOCK HASP WITH FLUSH COVER, SLAM LOCK WITH REMOVABLE HANDLE, FALL PROTECTION GRATING AND 1-1/2" DRAIN COUPLING.



EXISTING SUBMERSIBLE PUMPING STATION - SECTION VIEW

SCALE: 1" = 2'-6"



PROPOSED SUBMERSIBLE PUMPING STATION - SECTION VIEW

SCALE: 1" = 2'-6"



BID SET

SWEETSER WASTEWATER
IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

Project #: 400-6314

Designed By: RJPA

Drawn By: RLH

Checked By: ALC

Date: 08/28/2026



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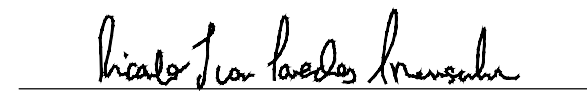
BANK LIFT STATION PLAN
AND SECTION VIEWS

C307

SWEETSER, INDIANA, 46987

#	Revision	Date

Date: 08/28/2026



C308

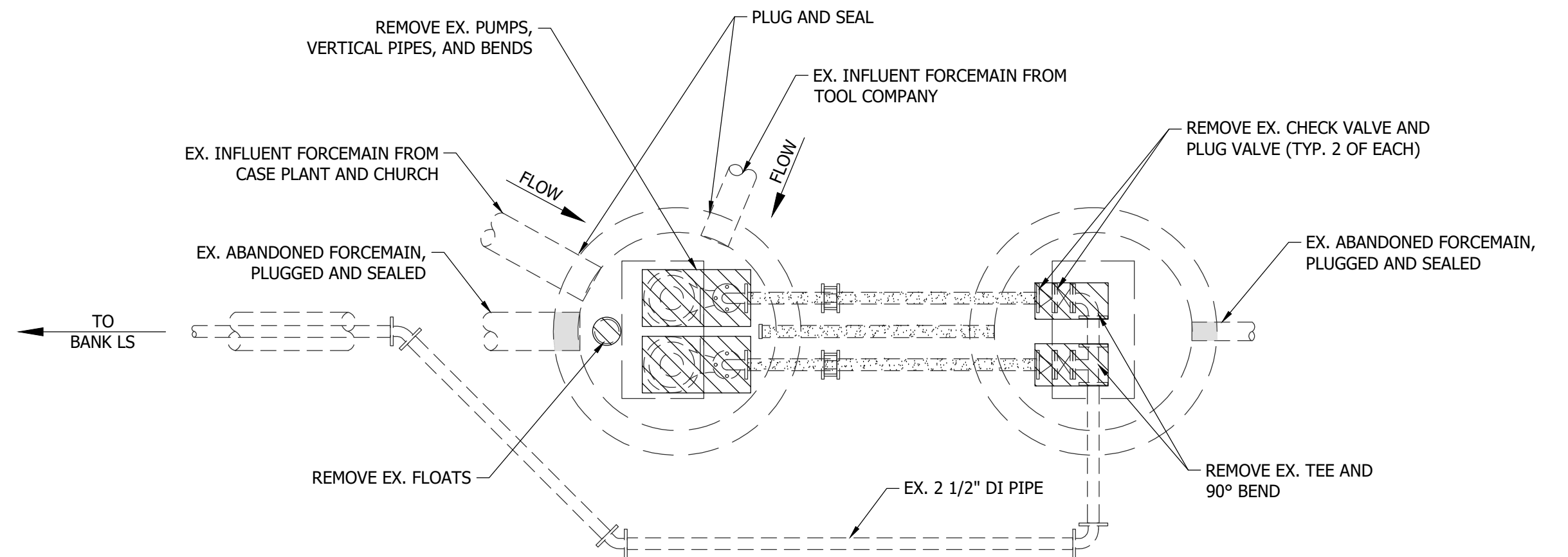


1. CONTRACTOR TO INSTALL ALL EQUIPMENT IN COMPLETE ACCORDANCE WITH ALL MANUFACTURER'S RECOMMENDATIONS.
2. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.
3. SEE STRUCTURAL DETAIL AND ELECTRICAL/MECHANICAL SHEETS FOR FURTHER DETAIL.
4. CONTRACTOR TO COORDINATE WITH ALL OTHER APPLICABLE PLAN SHEETS AND SPECIFICATIONS.
5. CONTRACTOR TO VERIFY EQUIPMENT MOUNTING ELEVATIONS AND DIMENSIONS PRIOR TO CONSTRUCTION.

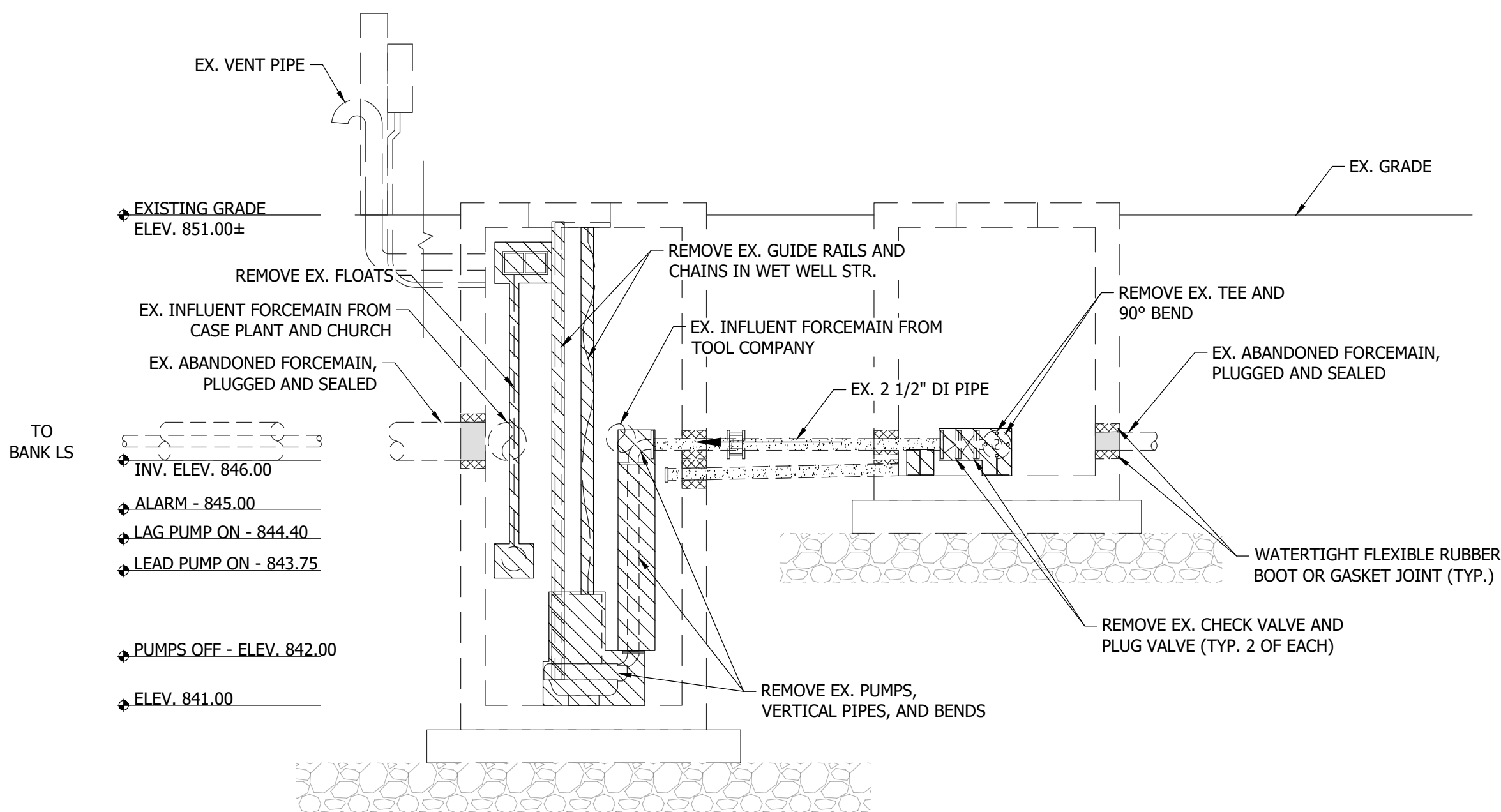
1. CONTRACTOR TO RESTORE GRADING TO MAINTAIN POSITIVE DRAINAGE TO THE NEAREAT ROAD DITCH.

CASE LIFT STATION - PLAN VIEW
SCALE: 1" = 5'-0"

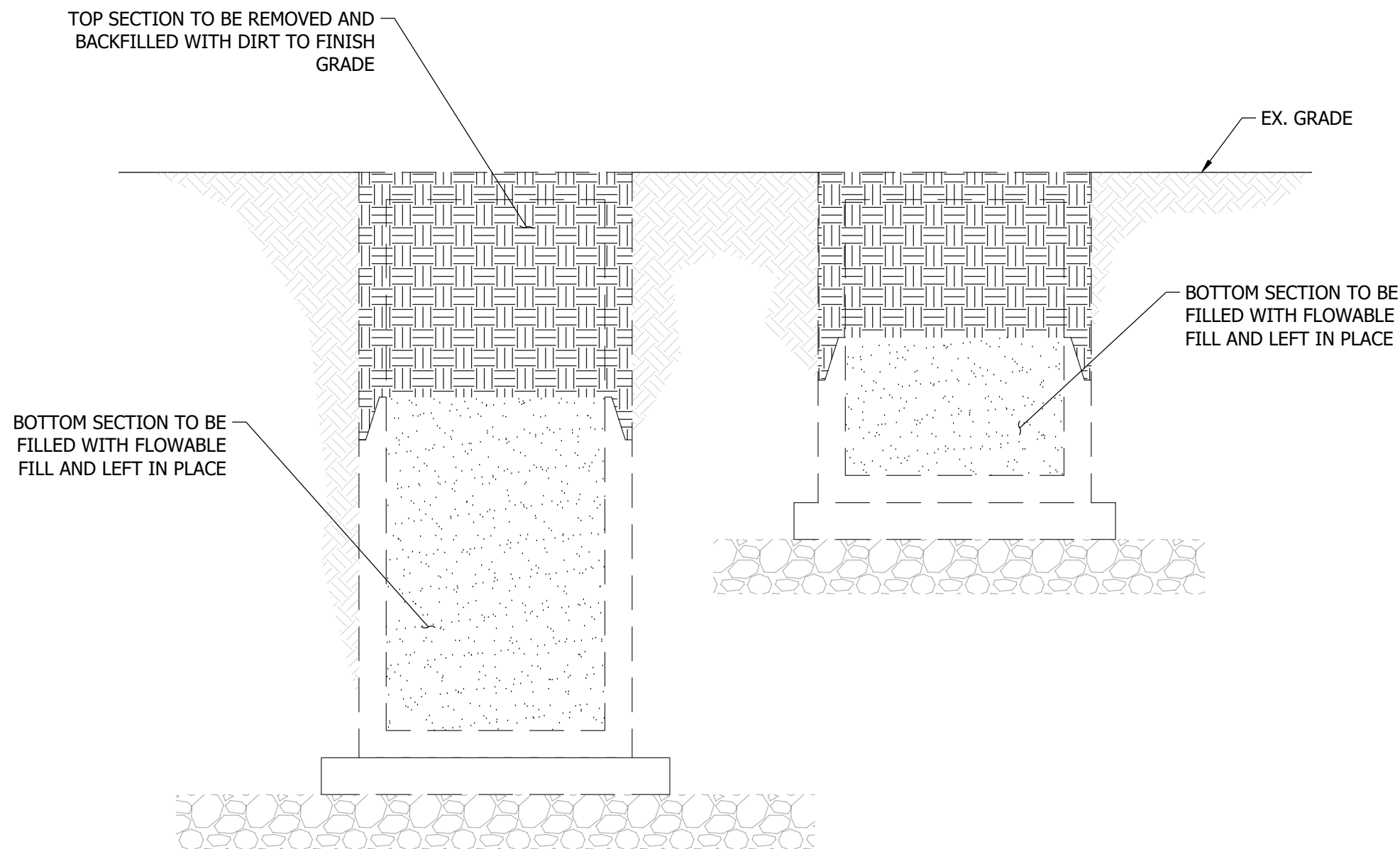
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EXISTING SUBMERSIBLE PUMPING STATION GRADE LEVEL - PLAN VIEW
SCALE: 1" = 2'-6"



EXISTING SUBMERSIBLE PUMPING STATION - SECTION VIEW
SCALE: 1" = 2'-6"



ABANDON STRUCTURE IN PLACE DETAIL
SCALE: 1" = 2'-6"

PLAN NOTE

1. CONTRACTOR TO RECONNECT SERVICES AT TJR EQUIPMENT (3940 W. DELPHI PIKE), FIRST HARVEST CHURCH (2015 N. 300 W.), AND FIRST OPTION TRUCKING (3072 W. DELPHI PIKE) WITH THE PROPOSED GRINDER STATIONS PRIOR TO PERFORMING DEMOLITION WORK AT CASE LIFT STATION.

#	Revision	Date

Project #: 400-6314
Designed By: RJPA
Drawn By: RLH
Checked By: ALC
Date: 08/28/2026



Ricardo Juan Paredes



CASE LIFT STATION PLAN
AND SECTION VIEWS

C309

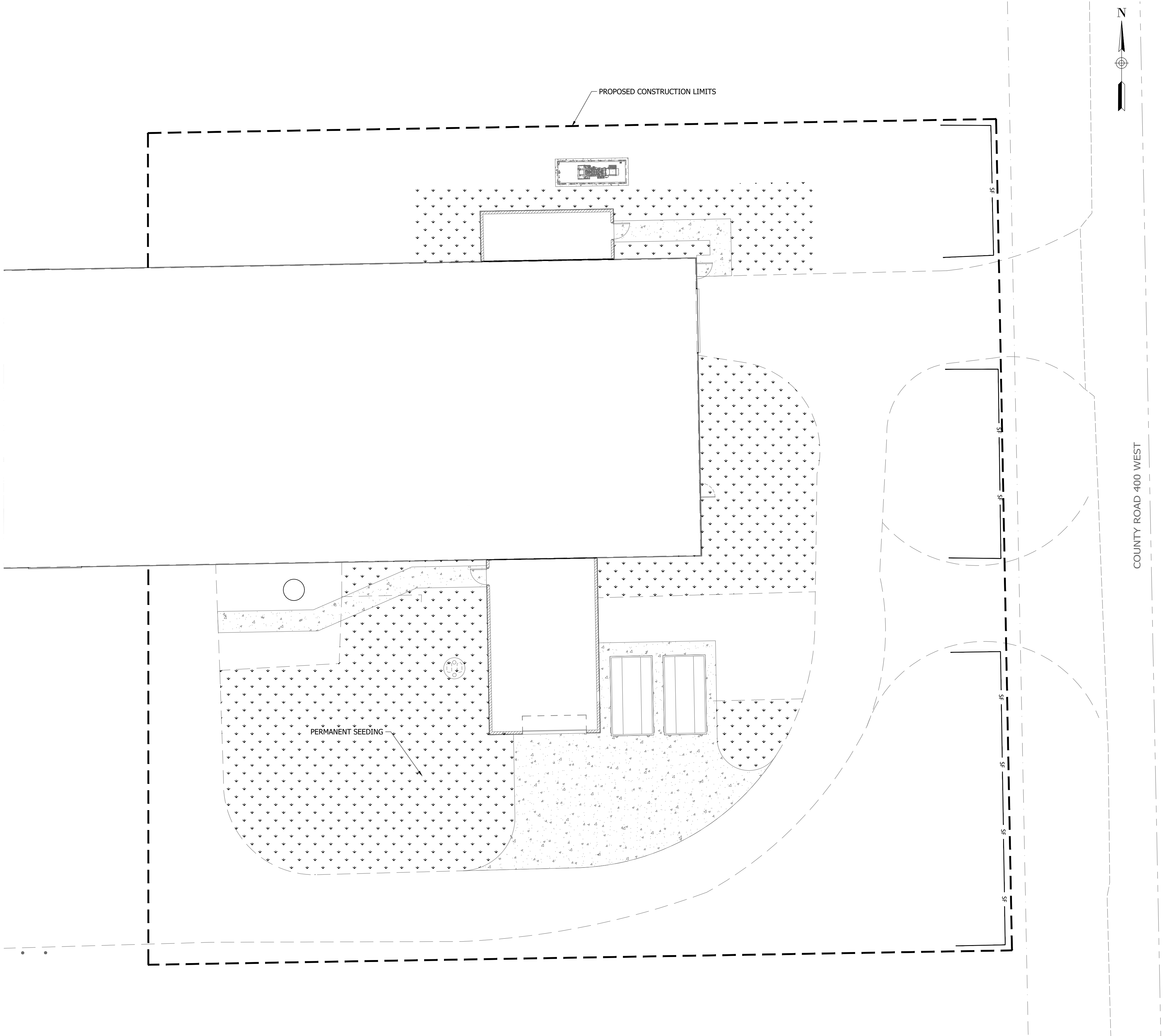
BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987



PRINT DATE: 8/27/26
PLOT SCALE: 1:1
DRAWING FILE: P:400-6314 SWEETSER WW IMPROVEMENTS ACAD/PLAN SHEETS & WORKING DRAWINGS 4006314 EROSION CONTROL PLANS.DWG
EDITED BY: RHUNT
EDT DATE: 8/25/26 7:03 AM



OVERALL EROSION CONTROL SITE PLAN
SCALE: 1" = 10'-0"

EROSION CONTROL LEGEND	
	PROPOSED CONSTRUCTION LIMITS
	EROSION CONTROL SILT FENCE
	EROSION CONTROL FILTER SOCK
	CONCRETE REPLACEMENT
	PERMANENT SEEDING
	ASPHALT REPLACEMENT
	EROSION CONTROL BLANKET
	CURB INLET DROP BAG PROTECTION
	STRUCTURE INLET DROP BAG PROTECTION
	CHECK DAM
	CONCRETE WASHOUT

EROSION CONTROL NOTES	
1.	SEE SHEET C710 FOR SOILS MAP AND FEMA FLOOD MAP.
2.	SEE SHEET C708 - C710 FOR EROSION CONTROL DETAILS.
3.	ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO CONSTRUCTION.
4.	ACCESS TO THE SITE SHALL BE RESTRICTED TO THE LOCATION AS SHOWN. NO OTHER SITE ACCESS IS AVAILABLE UNLESS THE CONTRACTOR OBTAINS APPROVAL FROM ADJACENT PROPERTY OWNER AND APPROVAL FROM THE CITY.
5.	EROSION CONTROL MAINTENANCE - SITE TO BE INSPECTED ONCE A WEEK AND AFTER EVERY RAINFALL EVENT. MAKE REPAIRS IMMEDIATELY.
6.	THE SITE IS NOT LOCATED ON OR ADJACENT TO ANY FLOODWAY/FLOOD PLAIN AREAS.
7.	EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS AND UNTIL ALL DISTURBED AREAS ARE STABILIZED.
8.	AREAS THAT WILL BE DISTURBED FOR MORE THAN 7 DAYS SHALL BE STABILIZED IMMEDIATELY WITH TEMPORARY SEEDING. ALL DISTURBED YARD/GRASS AREAS MUST BE STABILIZED WITH PERMANENT SEEDING MEASURES.
9.	CONTRACTOR SHALL IMPLEMENT AND MAINTAIN ADDITIONAL EROSION CONTROL MEASURES TO REQUEST OF LOCAL AND/OR STATE STORMWATER AND EROSION CONTROL INSPECTORS.
10.	SPOILS TO BE REMOVED FROM SITE, CONTRACTOR TO DETERMINE LOCATION AND COORDINATE WITH THE LOCAL EROSION CONTROL AUTHORITY.
11.	CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE PROJECT SITE.
12.	SEDIMENT LADEN WATER SHALL BE DETAINED BY EROSION CONTROL PRACTICES AS NEEDED TO MINIMIZE SEDIMENTATION IN RECEIVING WATER. NO STORMWATER SHALL BE DISCHARGED FROM THE SITE IN A MANNER THAT CAUSES EROSION AT THE POINT OF DISCHARGE.
13.	PRIOR TO COMPLETION OF THIS PROJECT, CONTRACTOR SHALL CLEAN OUT ALL STORM DRAINAGE STRUCTURES AND RESTORE ALL DITCHES AND BASINS TO DESIGNED GRADES.



BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

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Designed By: RJPA

Drawn By: RLH

Checked By: ALC

Date: 08/28/2026



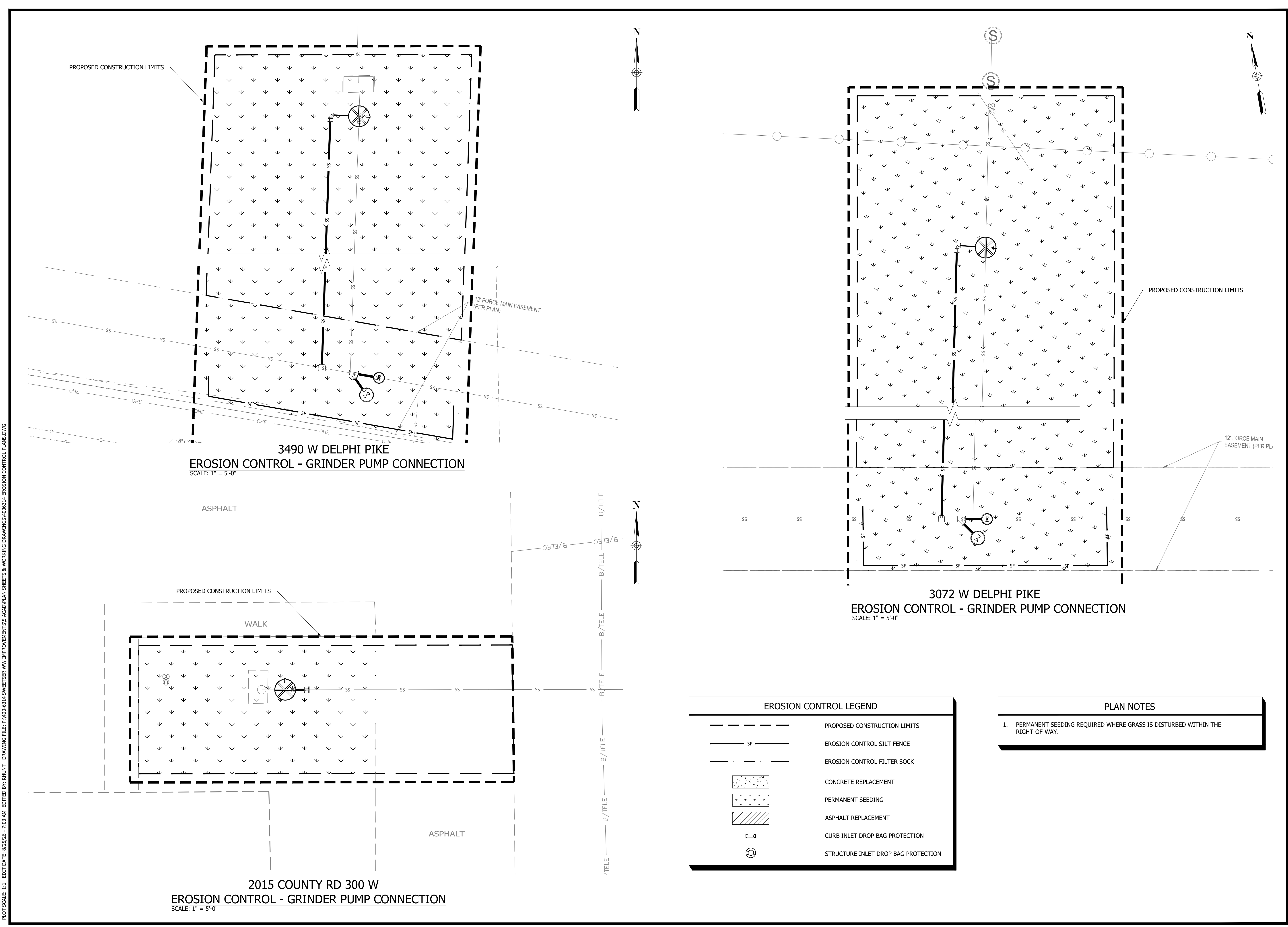
Ricardo Juan Paredes



EROSION CONTROL -
OVERALL SITE LAYOUT

C700

PRINT DATE: 8/27/26
PLOT SCALE: 1" = 5'-0"



BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

Project #: 400-6314

Designed By: RJPA

Drawn By: RLH

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Date: 08/28/2026



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EROSION CONTROL - GRINDER PUMP CONNECTIONS

C701

PRINT DATE: 8/27/26
PLOT SCALE: 1" = 5'-0"



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SWEETSER, INDIANA, 46987

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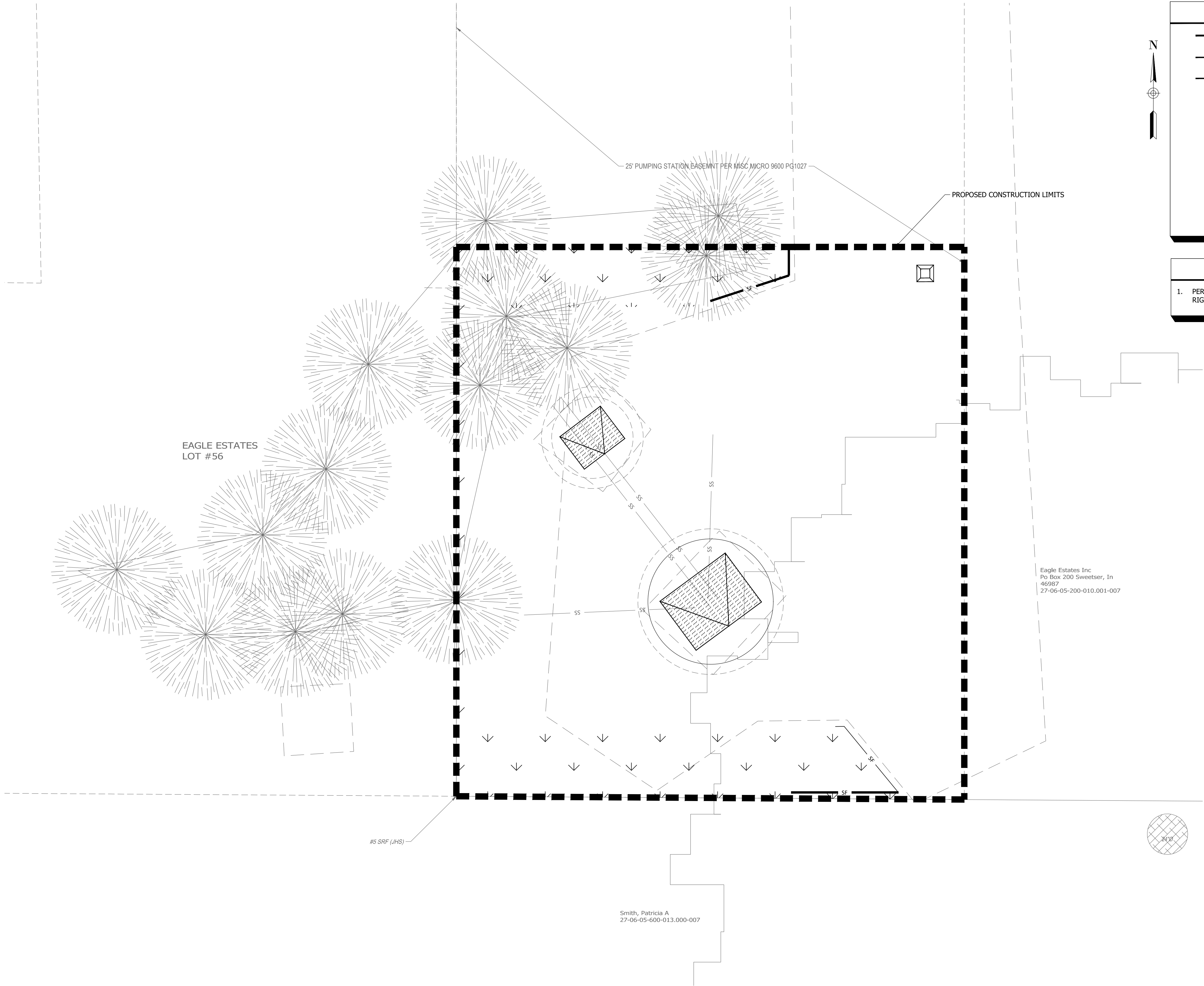
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Date: 08/28/2026

EROSION CONTROL - FLUSHING STATION CONNECTIONS

C702

PRINT DATE: 8/27/26
PLOT SCALE: 1:1
DRAWING FILE: P:400-6314 SWEETSER WW IMPROVEMENTS16 ACAD/PLAN SHEETS & WORKING DRAWINGS 4006314 EROSION CONTROL PLANS.DWG
EDIT DATE: 8/25/26 7:03 AM
EDITED BY: RHUNT



EROSION CONTROL LEGEND

	PROPOSED CONSTRUCTION LIMITS
	EROSION CONTROL SILT FENCE
	EROSION CONTROL FILTER SOCK
	CONCRETE REPLACEMENT
	PERMANENT SEEDING
	ASPHALT REPLACEMENT
	CURB INLET DROP BAG PROTECTION
	STRUCTURE INLET DROP BAG PROTECTION
	CONCRETE WASHOUT

PLAN NOTES

1. PERMANENT SEEDING REQUIRED WHERE GRASS IS DISTURBED WITHIN THE RIGHT-OF-WAY.

EROSION CONTROL - EAGLE DRIVE LIFT STATION - PLAN VIEW
SCALE: 1" = 2'-5"



BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

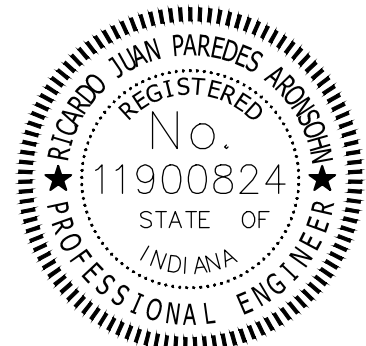
Project #: 400-6314

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Drawn By: RLH

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Date: 08/28/2026



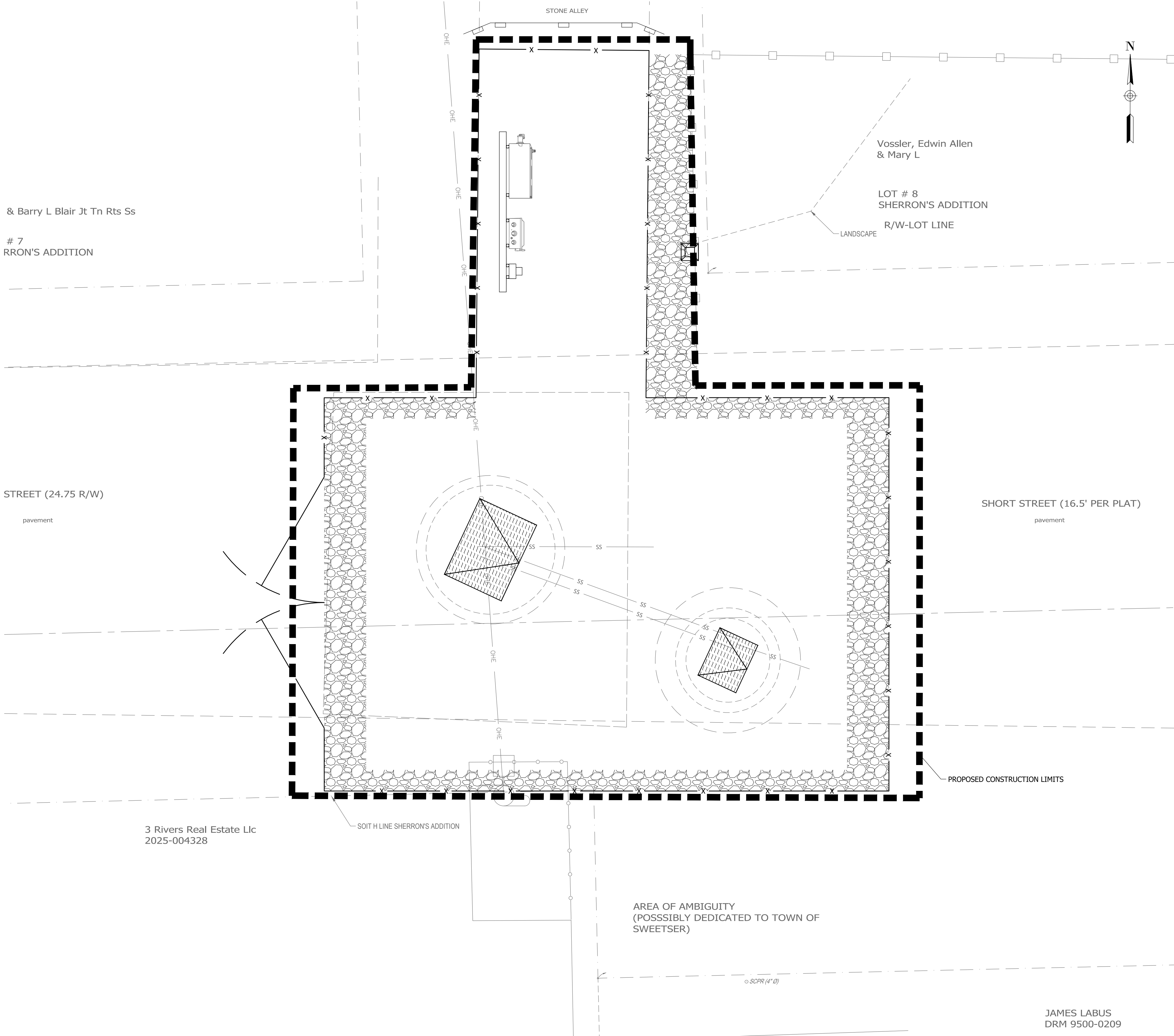
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EROSION CONTROL -
EAGLE DRIVE

C703

PRINT DATE: 8/27/26
PLOT SCALE: 1:1
DRAWING FILE: P:400-6314 SWEETSER WW IMPROVEMENTS ACAD/PLAN SHEETS & WORKING DRAWINGS 4006314 EROSION CONTROL PLANS.DWG



EROSION CONTROL LEGEND

---	PROPOSED CONSTRUCTION LIMITS
— SF —	EROSION CONTROL SILT FENCE
- . - . -	EROSION CONTROL FILTER SOCK
[Pattern]	CONCRETE REPLACEMENT
[Pattern]	PERMANENT SEEDING
[Pattern]	ASPHALT REPLACEMENT
[Symbol]	CURB INLET DROP BAG PROTECTION
[Symbol]	STRUCTURE INLET DROP BAG PROTECTION
[Symbol]	CONCRETE WASHOUT

PLAN NOTES

1. PERMANENT SEEDING REQUIRED WHERE GRASS IS DISTURBED WITHIN THE RIGHT-OF-WAY.

& Barry L Blair Jt Tn Rts Ss
7
RRON'S ADDITION

Vossler, Edwin Allen
& Mary L
LOT # 8
SHERRON'S ADDITION
R/W-LOT LINE

3 Rivers Real Estate Llc
2025-004328

EROSION CONTROL - SHORT STREET LIFT STATION - PLAN VIEW
SCALE: 1" = 2'-5"

JAMES LABUS
DRM 9500-0209

BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

Project #: 400-6314

Designed By: RJPA

Drawn By: RLH

Checked By: ALC

Date: 08/28/2026

Richard Juan Paredes
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

Richard Juan Paredes

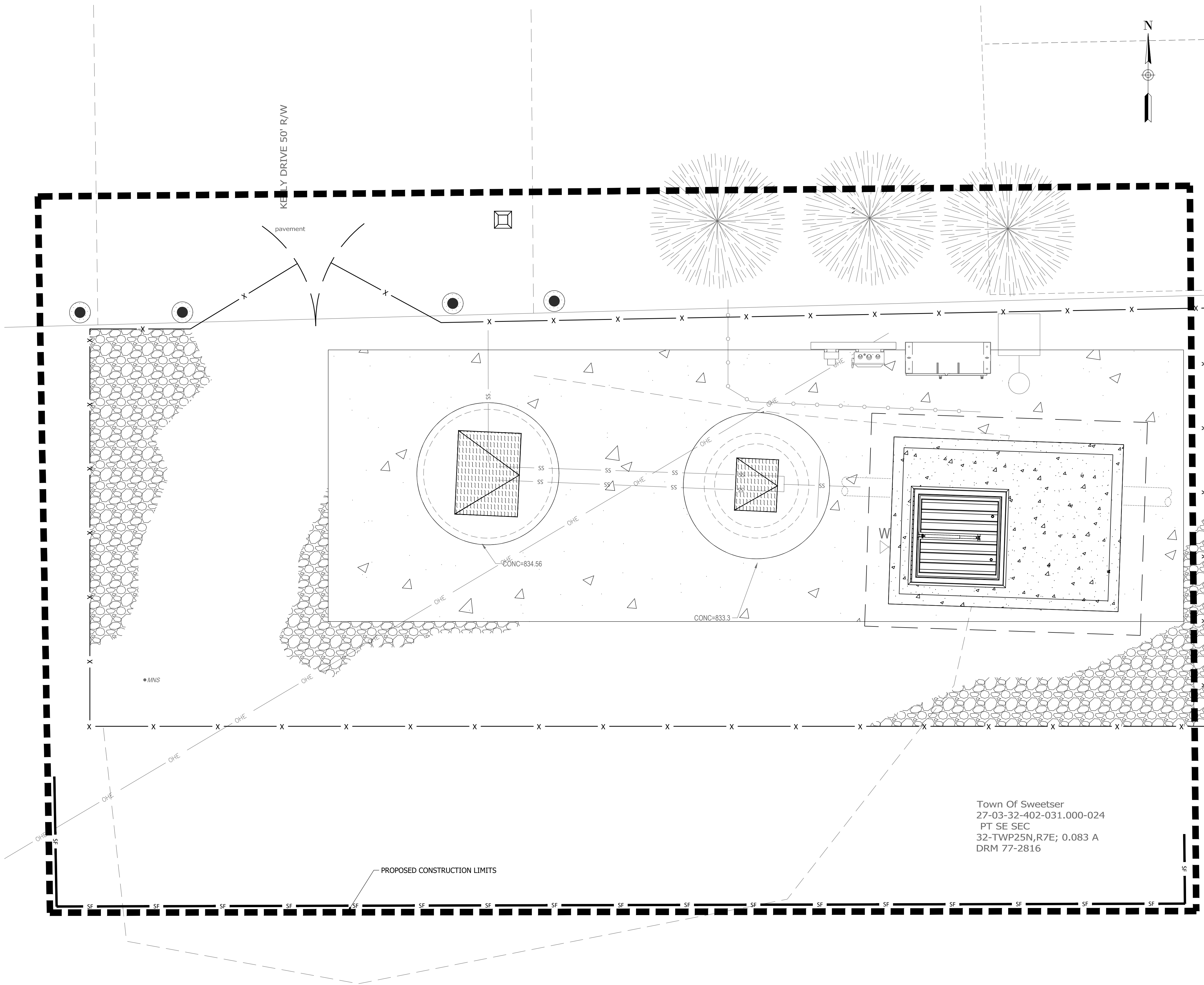
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GRAPHIC SCALE

EROSION CONTROL - SHORT STREET

C704

PRINT DATE: 8/27/26
PLOT SCALE: 1:1
DRAWING FILE: P:400-6314 SWEETSER WW IMPROVEMENTS ACAD/PLAN SHEETS & WORKING DRAWINGS 4006314 EROSION CONTROL PLANS.DWG
EDIT DATE: 8/25/26 7:03 AM
EDITED BY: RHUNT



EROSION CONTROL LEGEND

	PROPOSED CONSTRUCTION LIMITS
	EROSION CONTROL SILT FENCE
	EROSION CONTROL FILTER SOCK
	CONCRETE REPLACEMENT
	PERMANENT SEEDING
	ASPHALT REPLACEMENT
	CURB INLET DROP BAG PROTECTION
	STRUCTURE INLET DROP BAG PROTECTION
	CONCRETE WASHOUT

PLAN NOTES

1. PERMANENT SEEDING REQUIRED WHERE GRASS IS DISTURBED WITHIN THE RIGHT-OF-WAY.

EROSION CONTROL - KELLY LIFT STATION - PLAN VIEW
SCALE: 1" = 2'-5"



BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

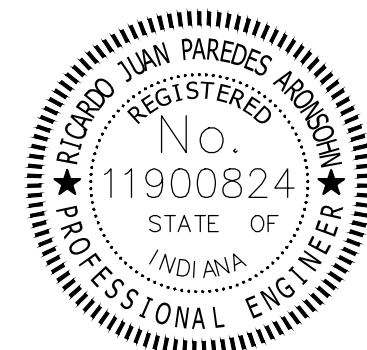
Project #: 400-6314

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Drawn By: RLH

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Date: 08/28/2026



Richard Juan Paredes



EROSION CONTROL -
KELLY LIFT STATION

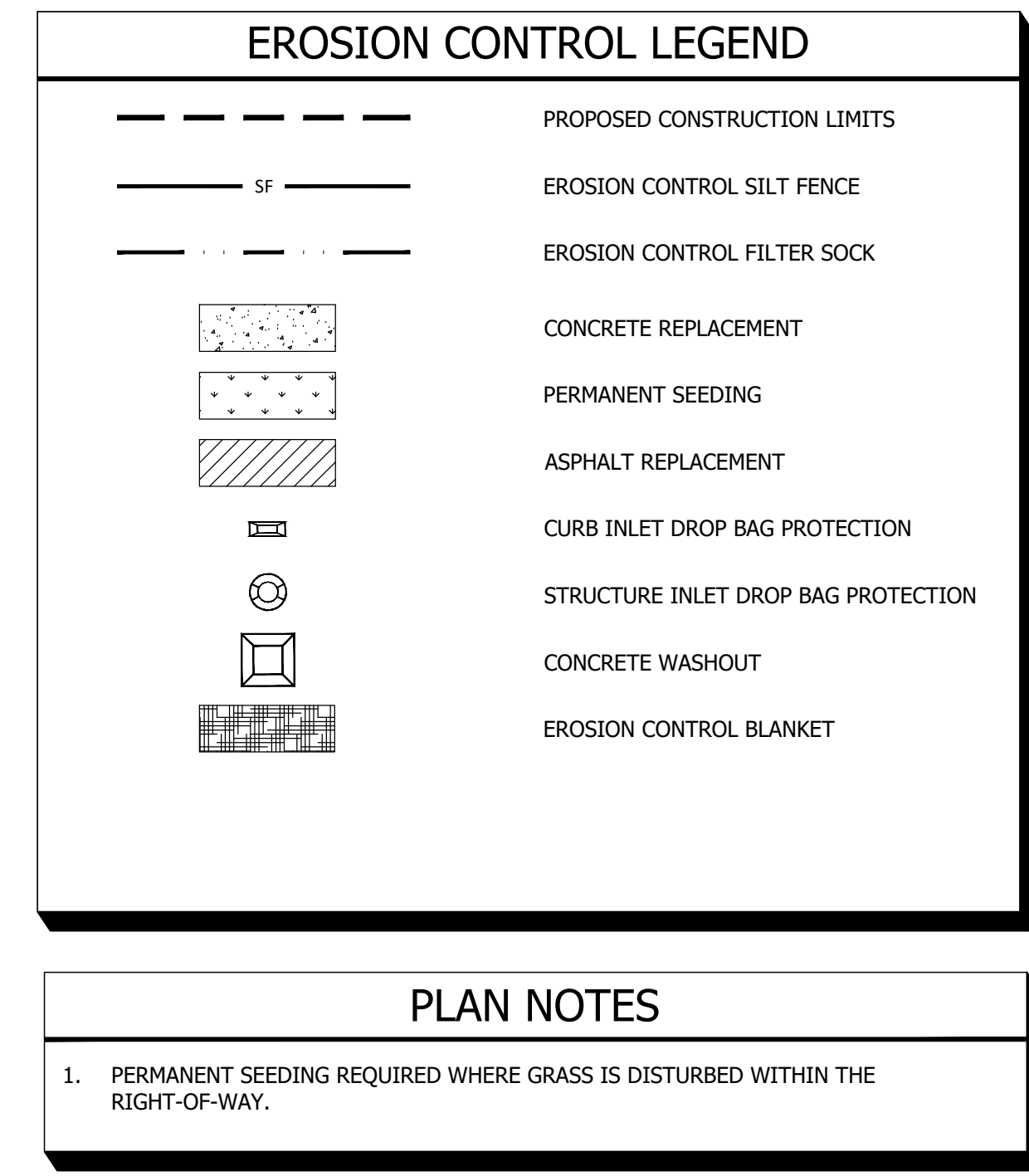
C705

#	Revision	Date

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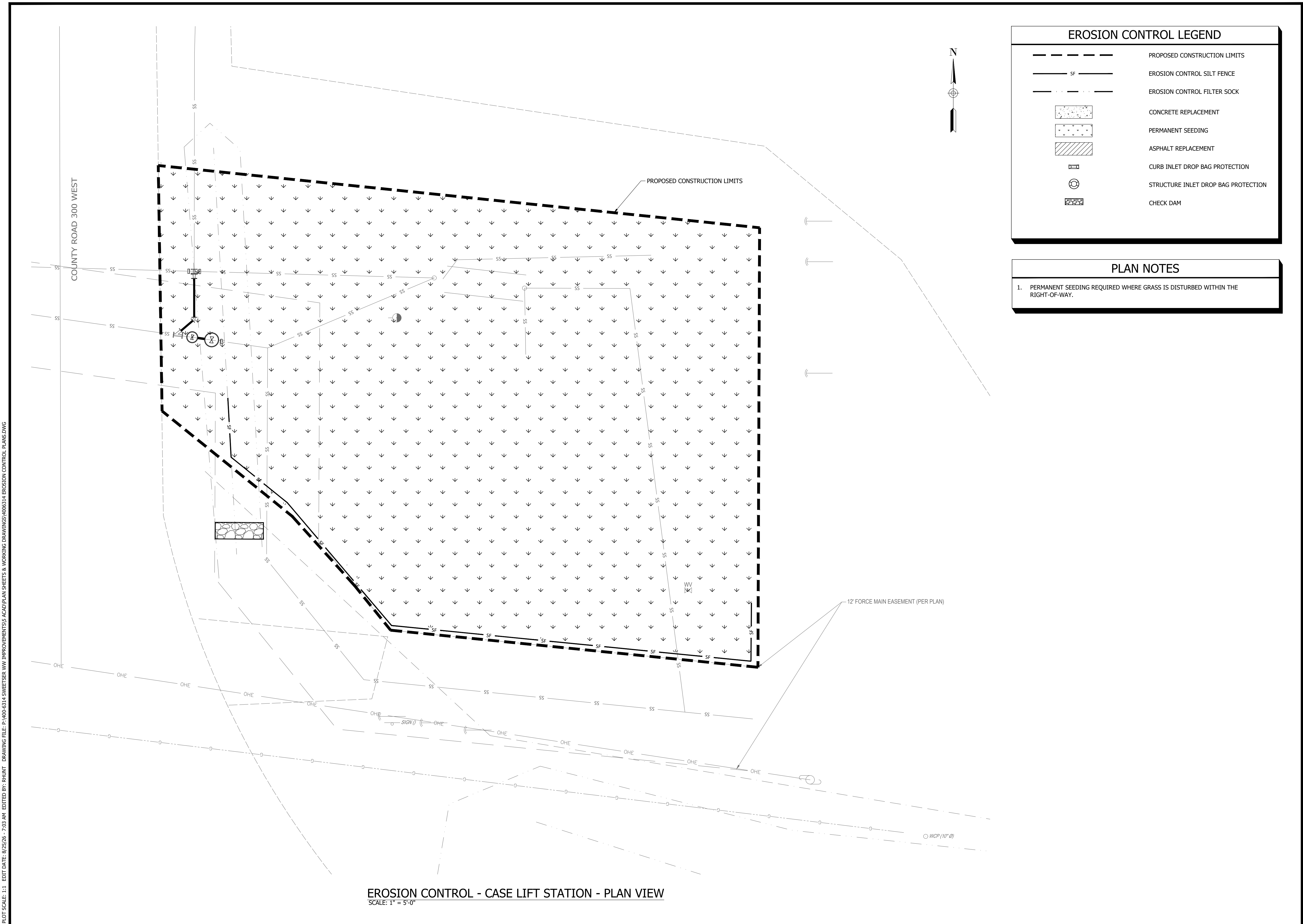
GRAPHIC SCALE

C706



EROSION CONTROL - BANK LIFT STATION - PLAN VIEW
SCALE: 1" = 5'-0"

PRINT DATE: 8/27/26
PLOT SCALE: 1:1
DRAWING FILE: P:400-6314 SWEETSER WW IMPROVEMENTS ACAD/PLAN SHEETS & WORKING DRAWINGS/4006314 EROSION CONTROL PLANS.DWG



EROSION CONTROL LEGEND

- PROPOSED CONSTRUCTION LIMITS
- SF EROSION CONTROL SILT FENCE
- - - EROSION CONTROL FILTER SOCK
- [Stippled Pattern] CONCRETE REPLACEMENT
- [Dotted Pattern] PERMANENT SEEDING
- [Diagonal Hatching] ASPHALT REPLACEMENT
- [Rectangular Box] CURB INLET DROP BAG PROTECTION
- [Circle with Cross] STRUCTURE INLET DROP BAG PROTECTION
- [Cross-hatching] CHECK DAM

PLAN NOTES

- PERMANENT SEEDING REQUIRED WHERE GRASS IS DISTURBED WITHIN THE RIGHT-OF-WAY.

EROSION CONTROL - CASE LIFT STATION - PLAN VIEW
SCALE: 1" = 5'-0"



BID SET

SWEETSER WASTEWATER
IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

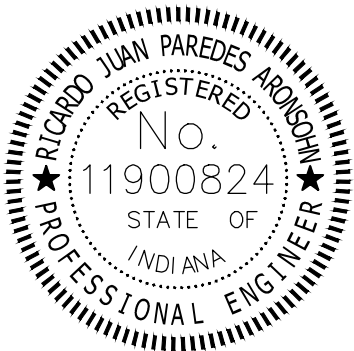
Project #: 400-6314

Designed By: RJPA

Drawn By: RLH

Checked By: ALC

Date: 08/28/2026



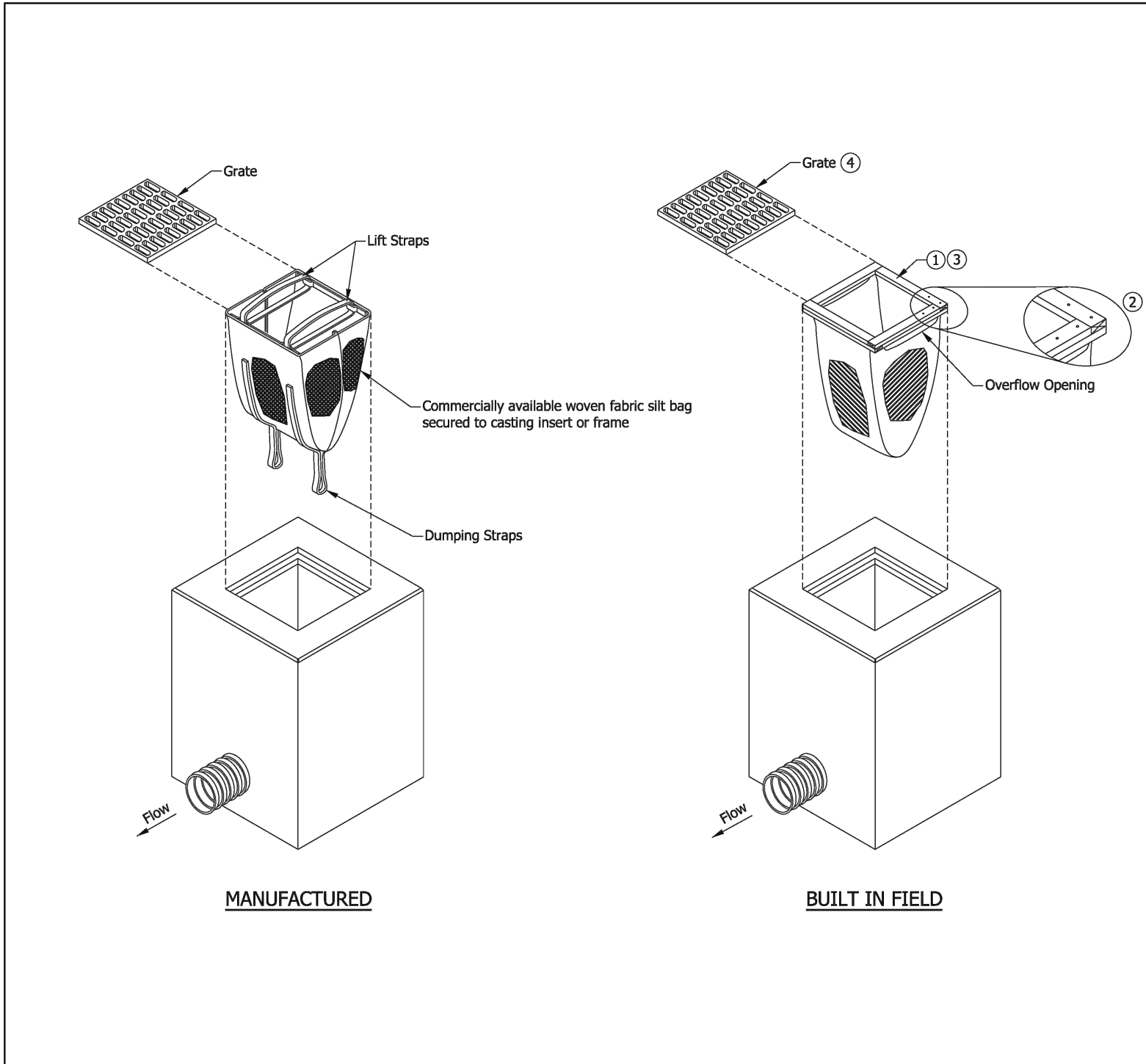
Ricardo Juan Paredes



EROSION CONTROL -
CASE LIFT STATION

C707

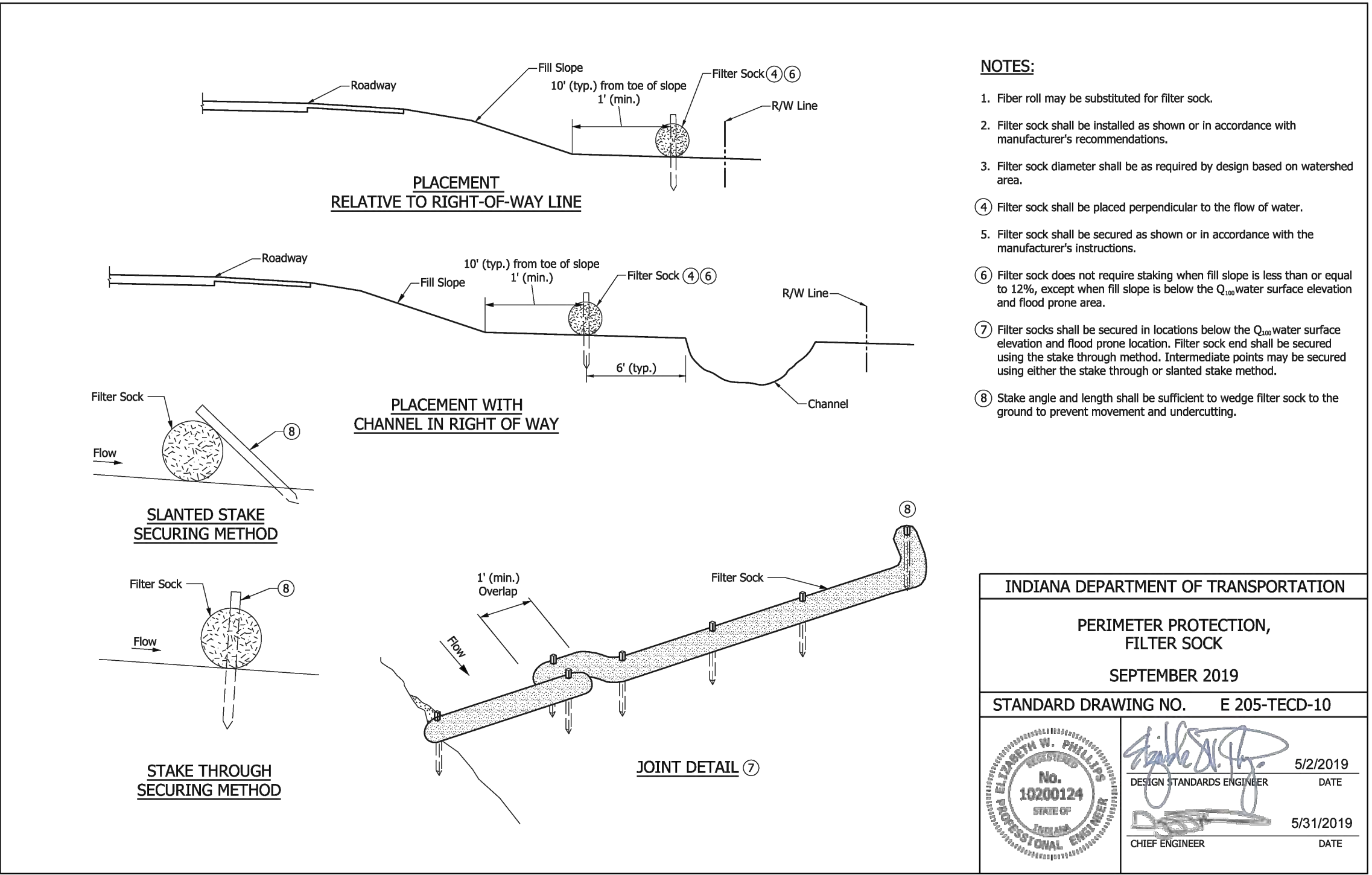
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NOTES:

1. Frame opening size to match inlet opening.
2. Geotextile bag shall be fabricated from a piece of geotextile 2 times the opening size pushed through the opening to form an overflow opening. Secure by nails.
3. Frame with bag to be placed over inlet opening.
4. Bag frame shall be secured in place by weight of inlet grate. Grate may be rotated 45 degrees to the bag's frame.

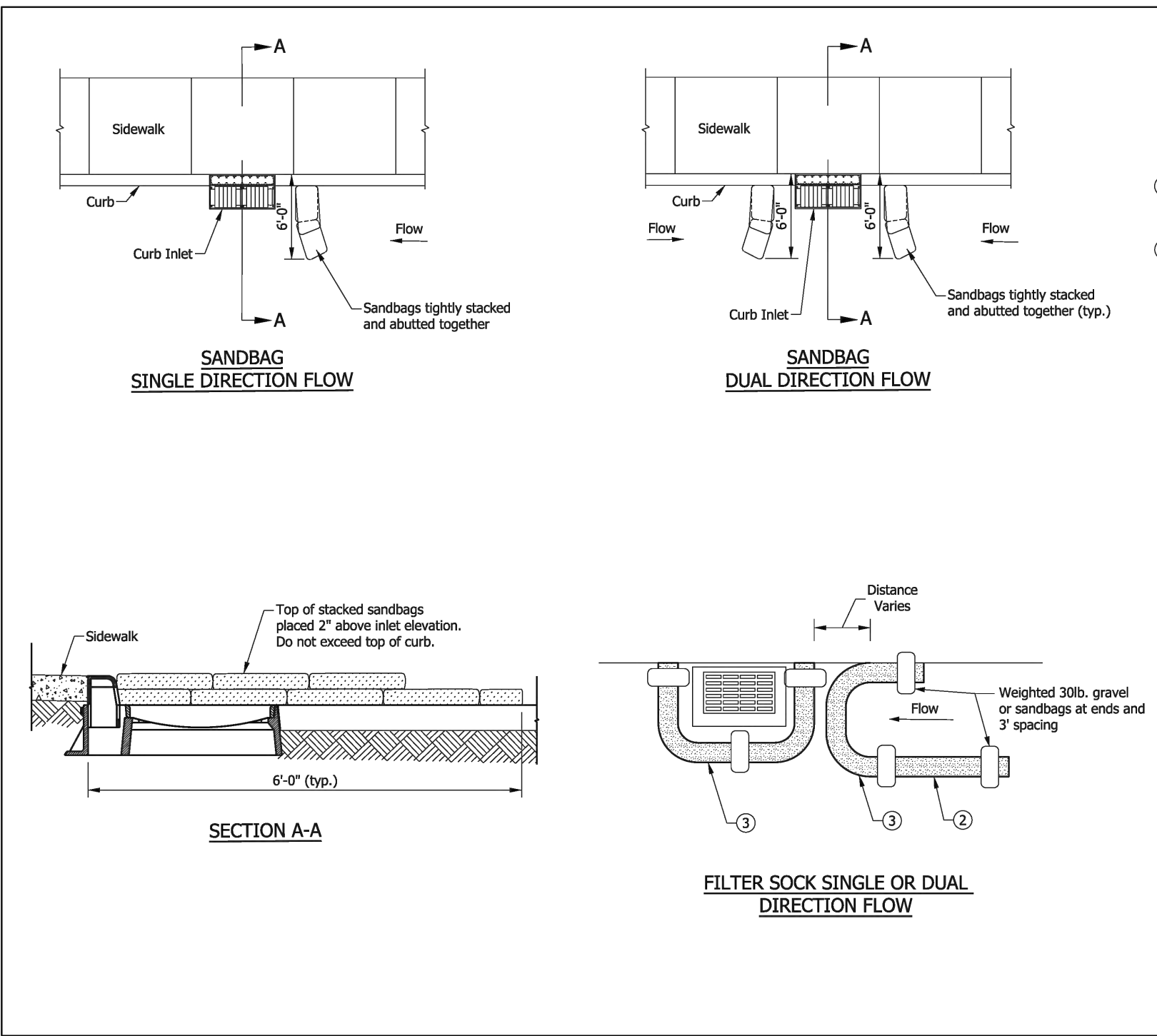
INDIANA DEPARTMENT OF TRANSPORTATION			
TEMPORARY INLET PROTECTION, FILTER BAG INSERT			
SEPTEMBER 2019			
STANDARD DRAWING NO. E 205-TECD-04			
	DESIGN STANDARDS ENGINEER	5/2/2019	DATE
	CHIEF ENGINEER	5/31/2019	DATE



NOTES:

1. Fiber roll may be substituted for filter sock.
2. Filter sock shall be installed as shown or in accordance with manufacturer's recommendations.
3. Filter sock diameter shall be as required by design based on watershed area.
4. Filter sock shall be placed perpendicular to the flow of water.
5. Filter sock shall be secured as shown or in accordance with the manufacturer's instructions.
6. Filter sock does not require staking when fill slope is less than or equal to 12%, except when fill slope is below the Q₁₀₀ water surface elevation and flood prone area.
7. Filter socks shall be secured in locations below the Q₁₀₀ water surface elevation and flood prone location. Filter sock end shall be secured using the stake through method. Intermediate points may be secured using either the stake through or slanted stake method.
8. Stake angle and length shall be sufficient to wedge filter sock to the ground to prevent movement and undercutting.

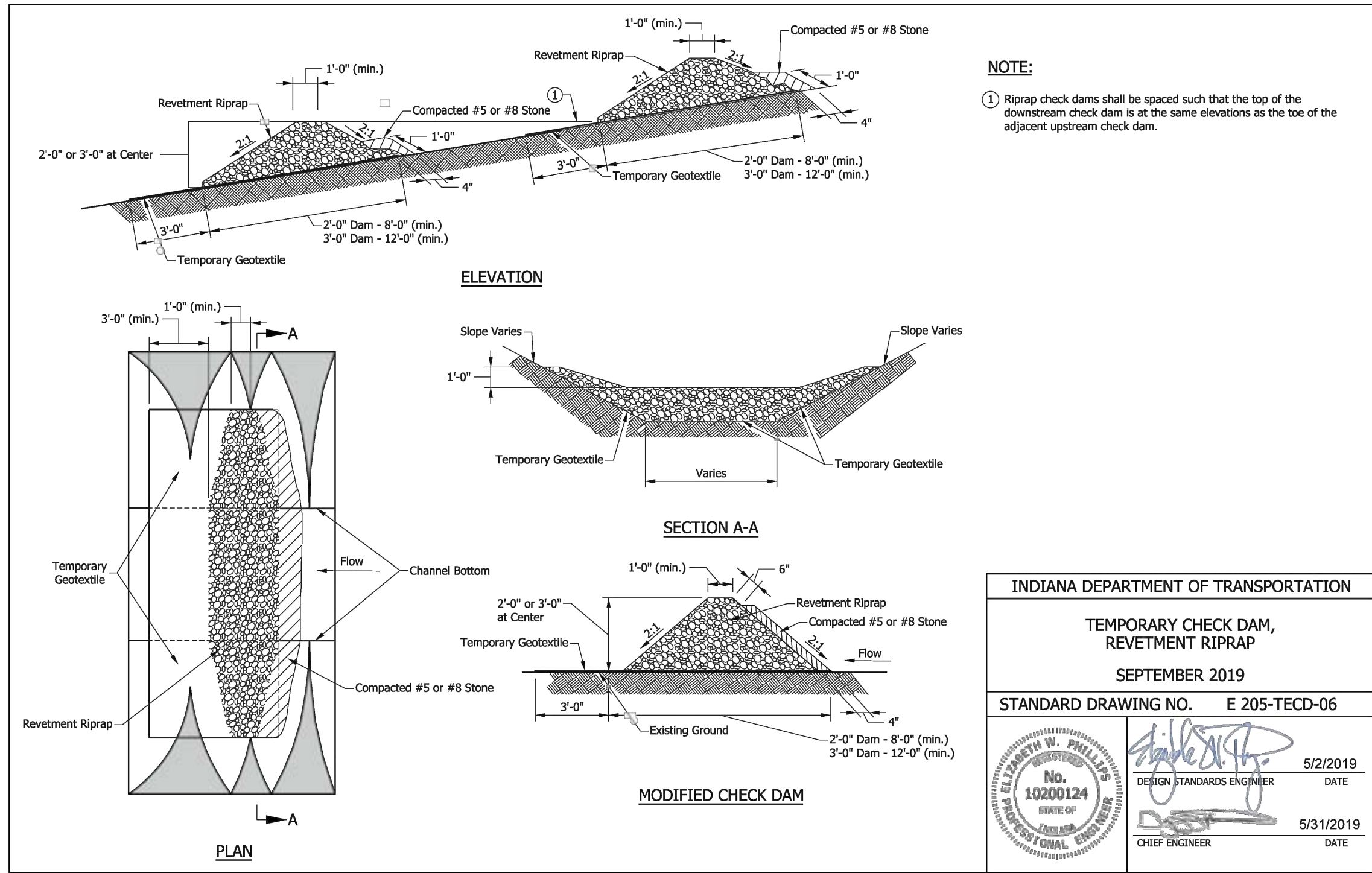
INDIANA DEPARTMENT OF TRANSPORTATION			
PERIMETER PROTECTION, FILTER SOCK			
SEPTEMBER 2019			
STANDARD DRAWING NO. E 205-TECD-10			
	DESIGN STANDARDS ENGINEER	5/2/2019	DATE
	CHIEF ENGINEER	5/31/2019	DATE



NOTES:

1. Curb inlet protection shall be used within a lane or shoulder only when closed to traffic. Curb inlet protection shall not cause water to encroach upon a lane open to traffic.
2. May be used in conjunction with drain inlet protection as a best management practice (BMP) in combination with bag or drop inlet protection inserts.
3. Inlet protection shall be used within a lane or shoulder only when closed to traffic. Inlet protection shall not cause water to encroach upon a lane open to traffic.

INDIANA DEPARTMENT OF TRANSPORTATION			
TEMPORARY CURB INLET PROTECTION			
SEPTEMBER 2019			
STANDARD DRAWING NO. E 205-TECD-05			
	DESIGN STANDARDS ENGINEER	5/2/2019	DATE
	CHIEF ENGINEER	5/31/2019	DATE



NOTE:

1. Riprap check dams shall be spaced such that the top of the downstream check dam is at the same elevations as the toe of the adjacent upstream check dam.

INDIANA DEPARTMENT OF TRANSPORTATION			
TEMPORARY CHECK DAM, REVETMENT RIPRAP			
SEPTEMBER 2019			
STANDARD DRAWING NO. E 205-TECD-06			
	DESIGN STANDARDS ENGINEER	5/2/2019	DATE
	CHIEF ENGINEER	5/31/2019	DATE



BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

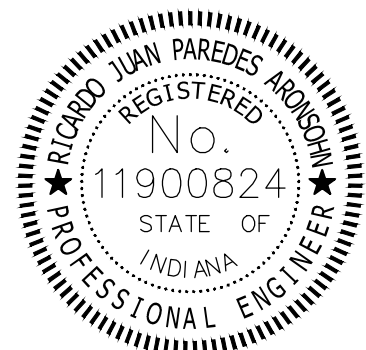
Project #: 400-6314

Designed By: RJPA

Drawn By: RLH

Checked By: ALC

Date: 08/28/2026

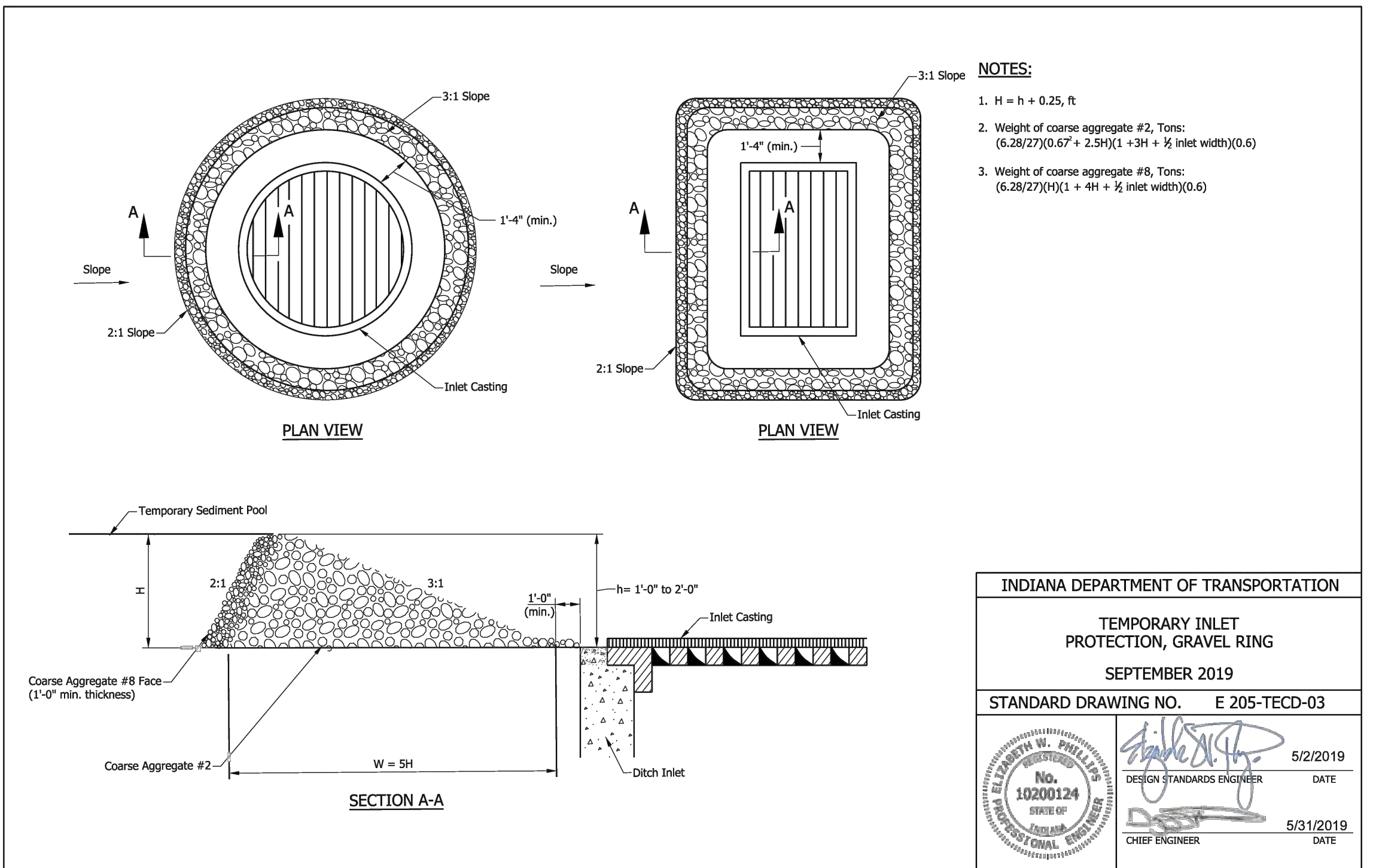
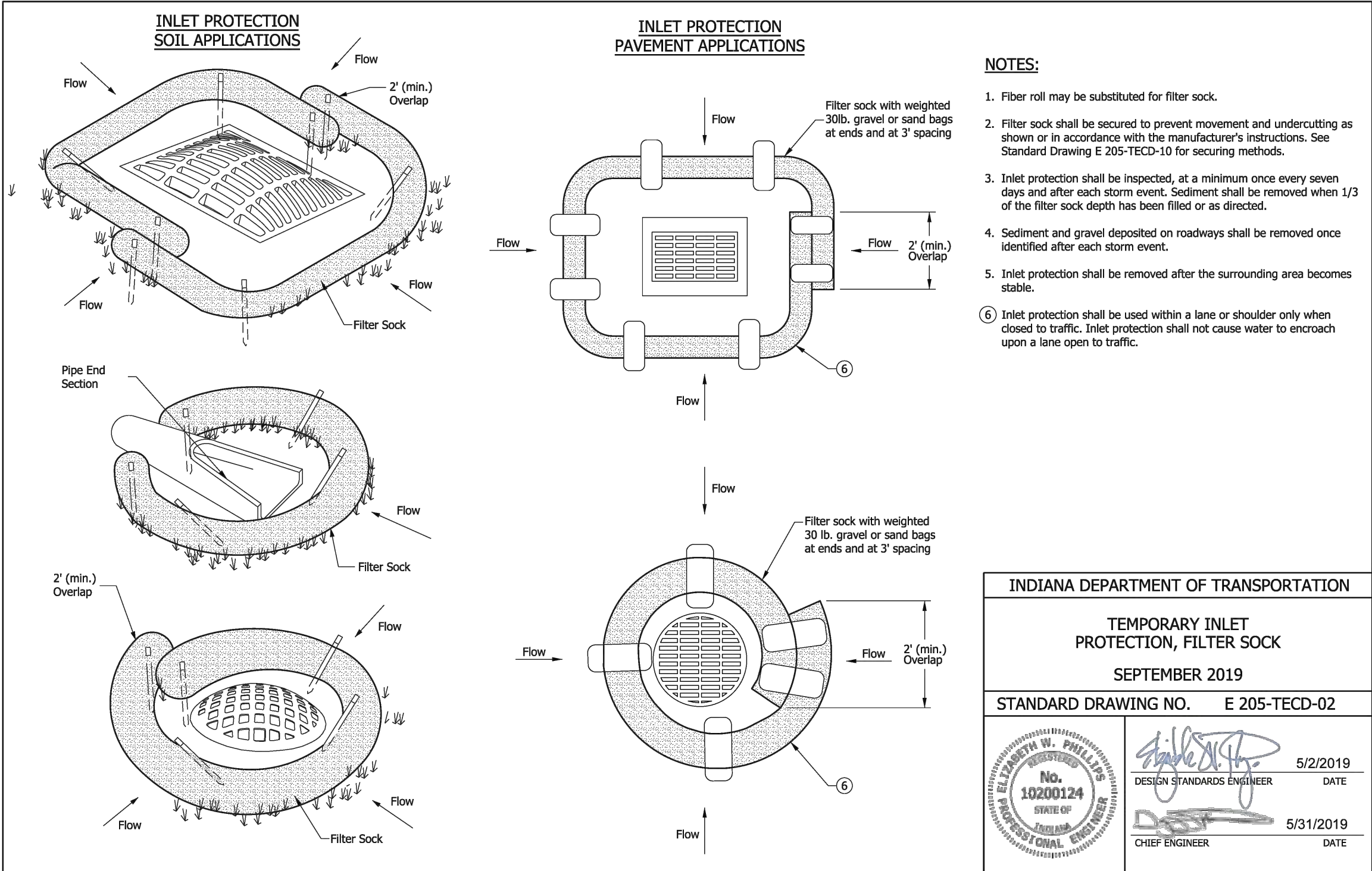
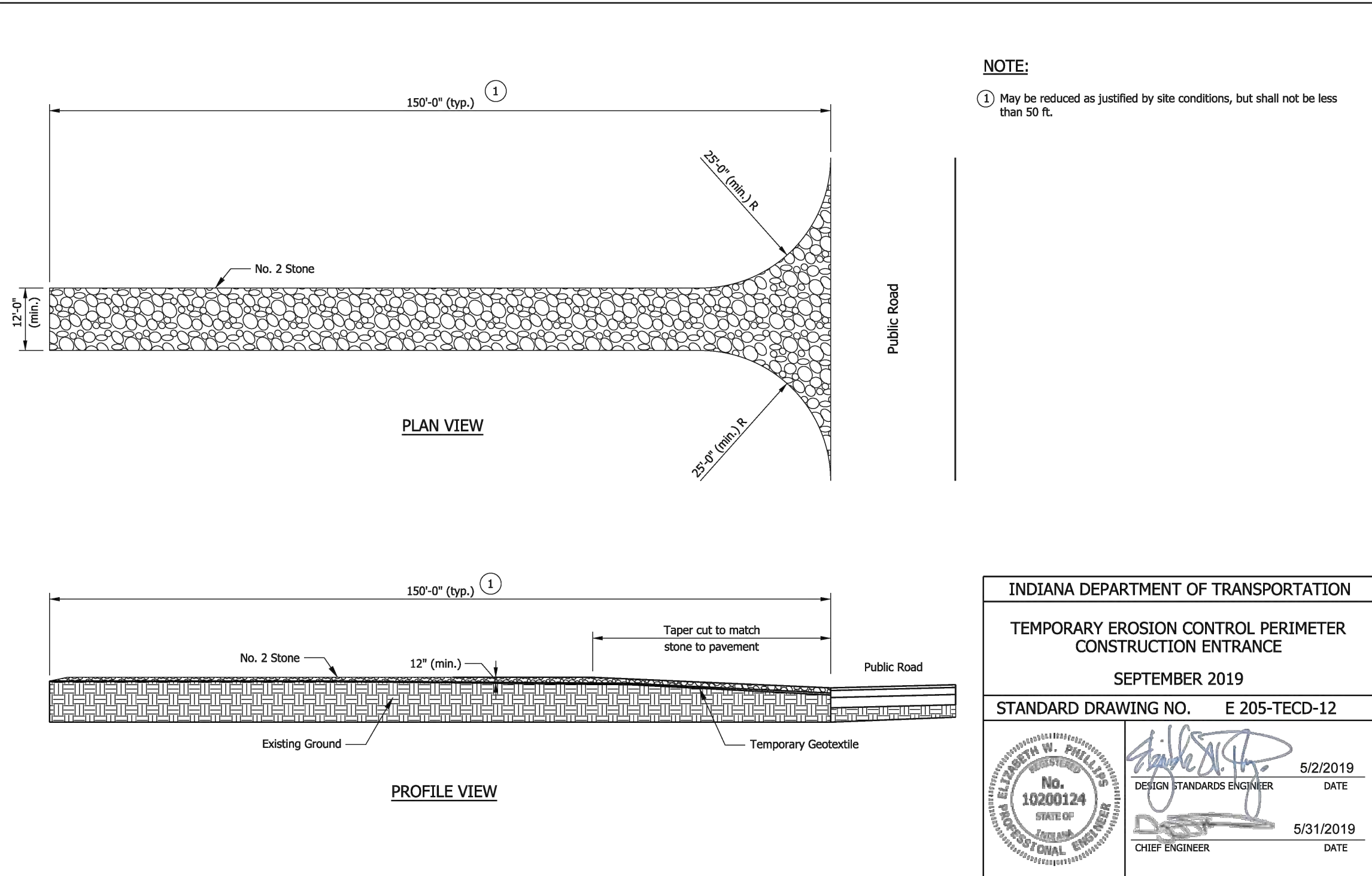
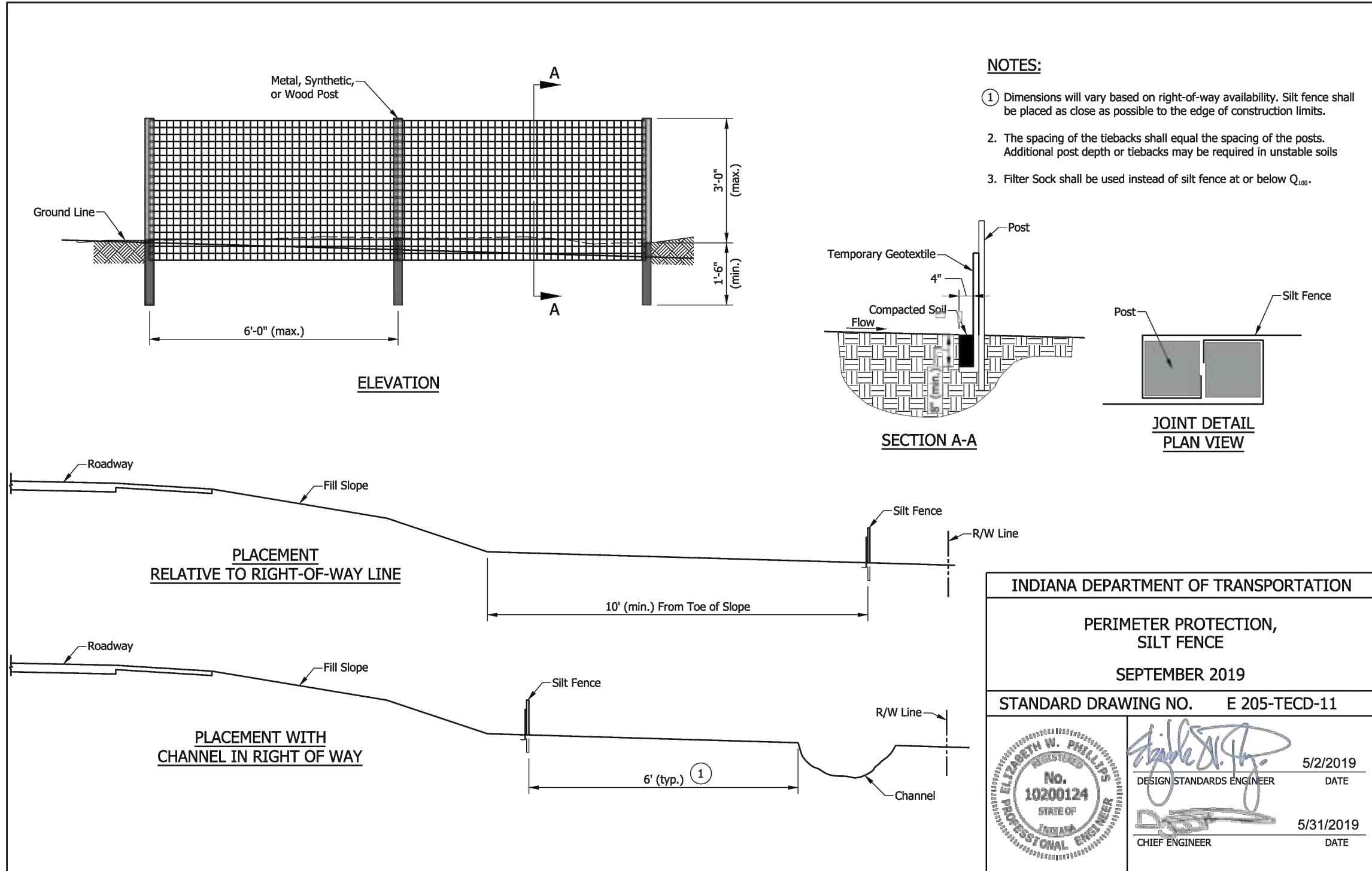


Richard Juan Paredes

EROSION CONTROL DETAILS

C708

PRINT DATE: 8/27/26
PLOT SCALE: 1:1
EDT DATE: 7/27/26 11:19 AM
EDITED BY: RHJUNT
DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\5 ACAD\PLAN SHEETS & WORKING DRAWINGS\4006314 EROSION CONTROL DETAILS.DWG



BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

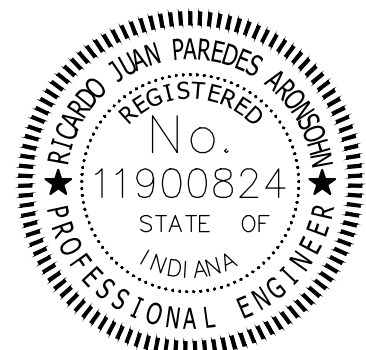
Project #: 400-6314

Designed By: RJPA

Drawn By: RLH

Checked By: ALC

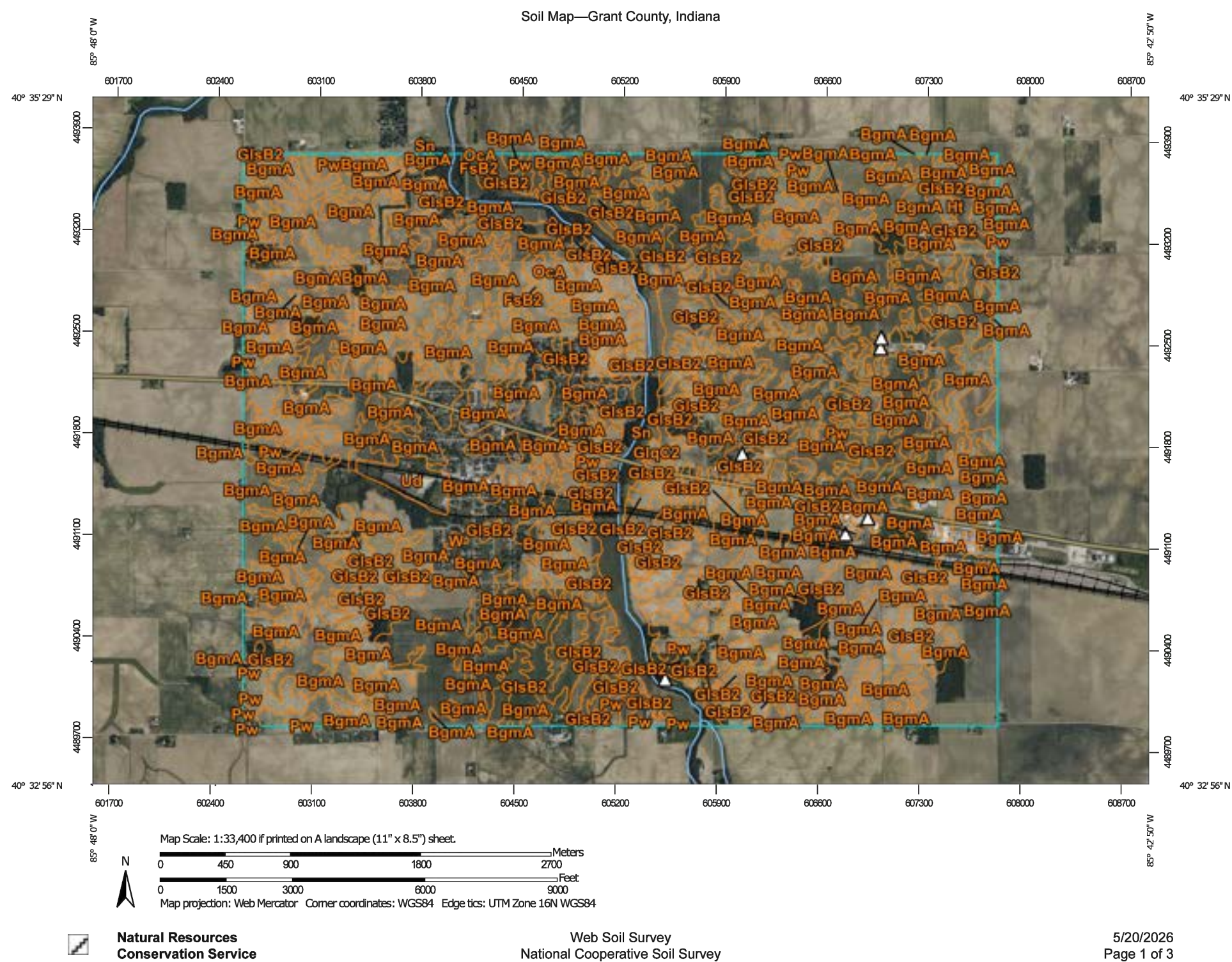
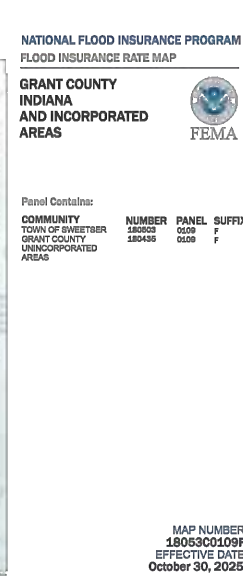
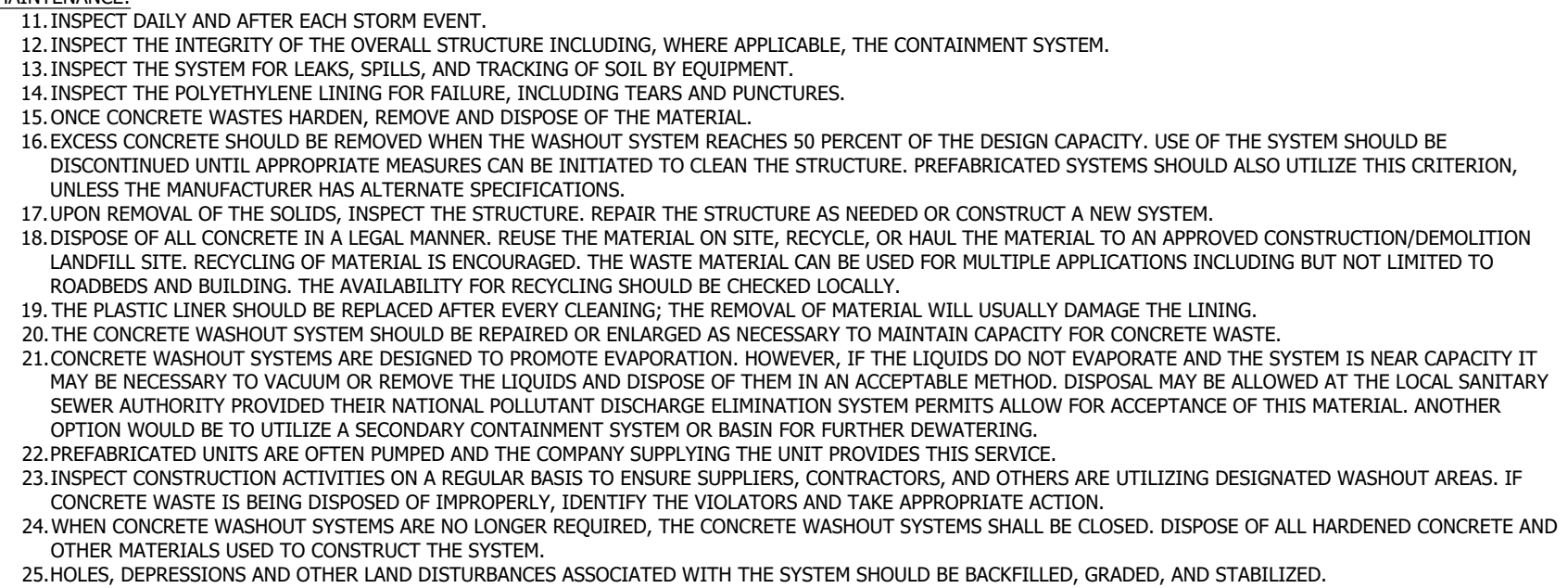
Date: 08/28/2026



Ricardo Juan Paredes

EROSION CONTROL DETAILS

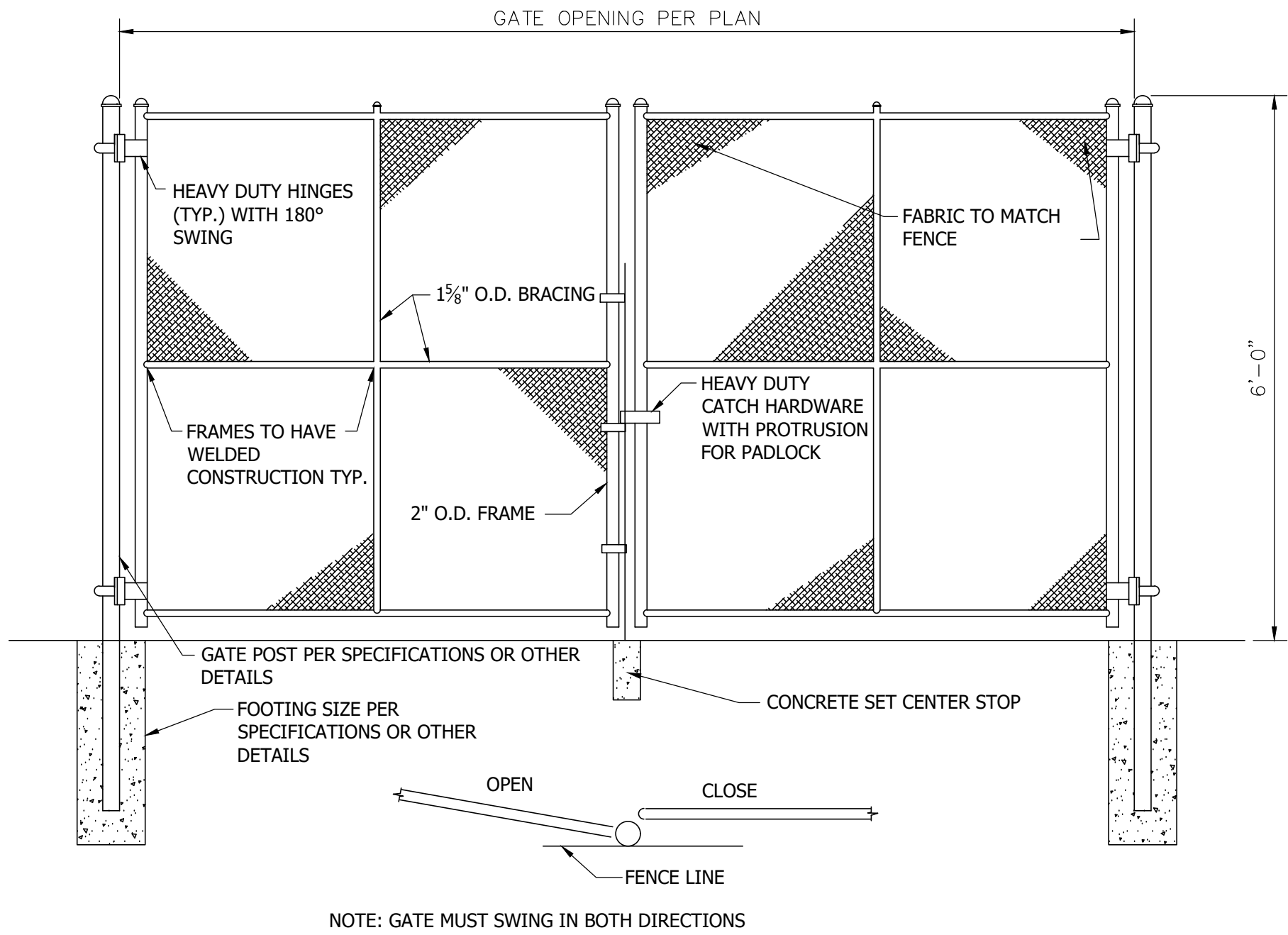
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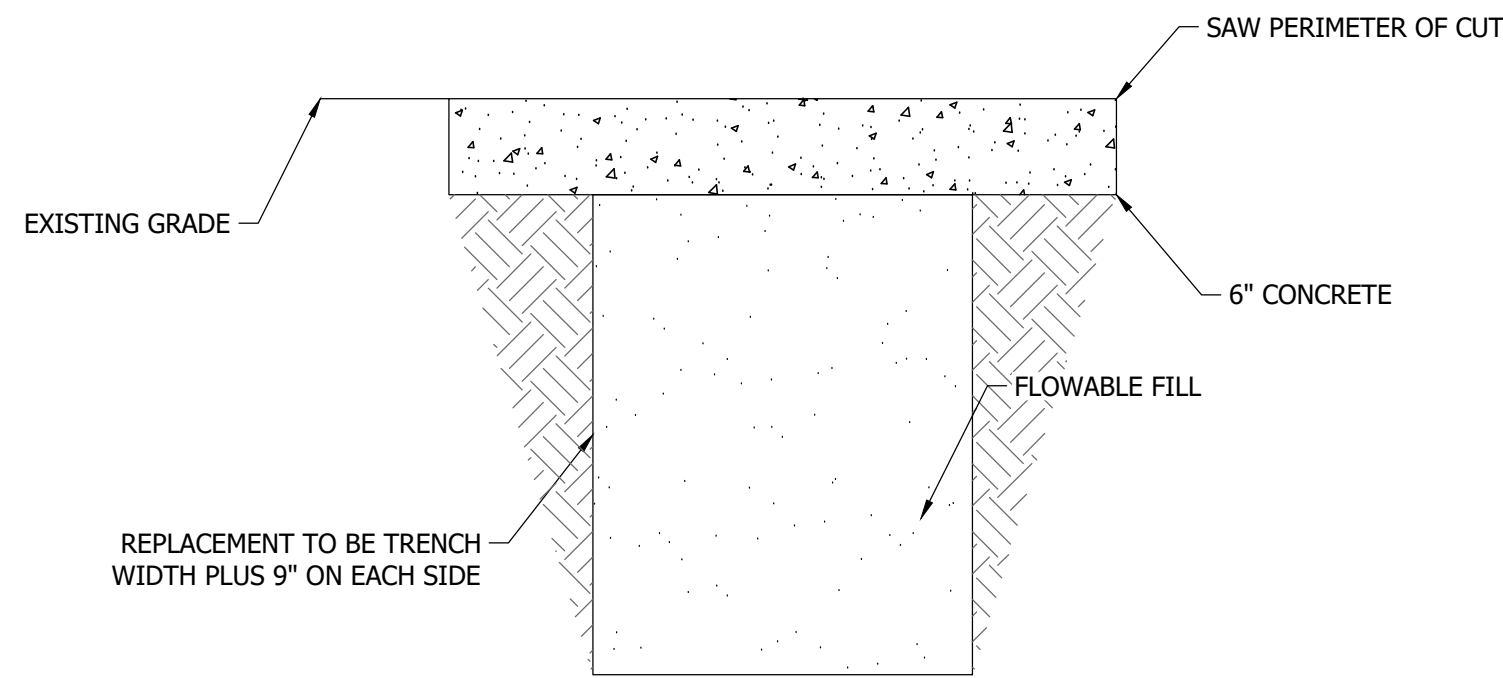
A = KENTUCKY BLUEGRASS 40 LBS/ACRE: CREEPING RED FESCUE 40 LBS/ACRE:
PLUS 2 TONS STRAW MULCH/ACRE, OR ADD ANNUAL RYEGRASS 20 LBS/ACRE
B = KENTUCKY BLUEGRASS 60 LBS/ACRE: CREEPING RED FESCUE 60 LBS/ACRE:
PLUS 2 TONS STRAW MULCH/ACRE, OR ADD ANNUAL RYEGRASS 30 LBS/ACRE
C = SPRING OATS 3 BUSHEL/ACRE
D = WHEAT OR RYE 2 BUSHEL/ACRE
E = ANNUAL RYEGRASS 40 LBS/ACRE (1 LB/1000 SQ.FT.)
F = SOD
G = STRAW MULCH 2 TONS/ACRE
*/**/ IRRIGATION NEEDED DURING JUNE, JULY, AND/OR SEPTEMBER.
** IRRIGATION NEEDED FOR 2 TO 3 WEEKS AFTER APPLYING SOD.

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BgmA	Blount silt loam, ground moraine, 0 to 2 percent slopes	1,449.7	28.4%
FsB2	Fox silt loam, till plain, 2 to 6 percent slopes, eroded	22.1	0.4%
GlcC2	Glymwood clay loam, ground moraine, 6 to 12 percent slopes, eroded	3.9	0.1%
GlsB2	Glymwood silt loam, ground moraine, 2 to 6 percent slopes, eroded	569.0	11.1%
Ht	Houghton muck, drained	1.6	0.0%
OcA	Ockley silt loam, 0 to 2 percent slopes	7.4	0.1%
Pw	Pewamo silty clay loam, 0 to 1 percent slopes	2,777.3	54.4%
Sn	Sloan silty clay loam, 0 to 1 percent slopes, occasionally flooded	235.9	4.6%
Ud	Udorthents, loamy	34.7	0.7%
W	Water	2.3	0.0%
Totals for Area of Interest		5,104.2	100.0%

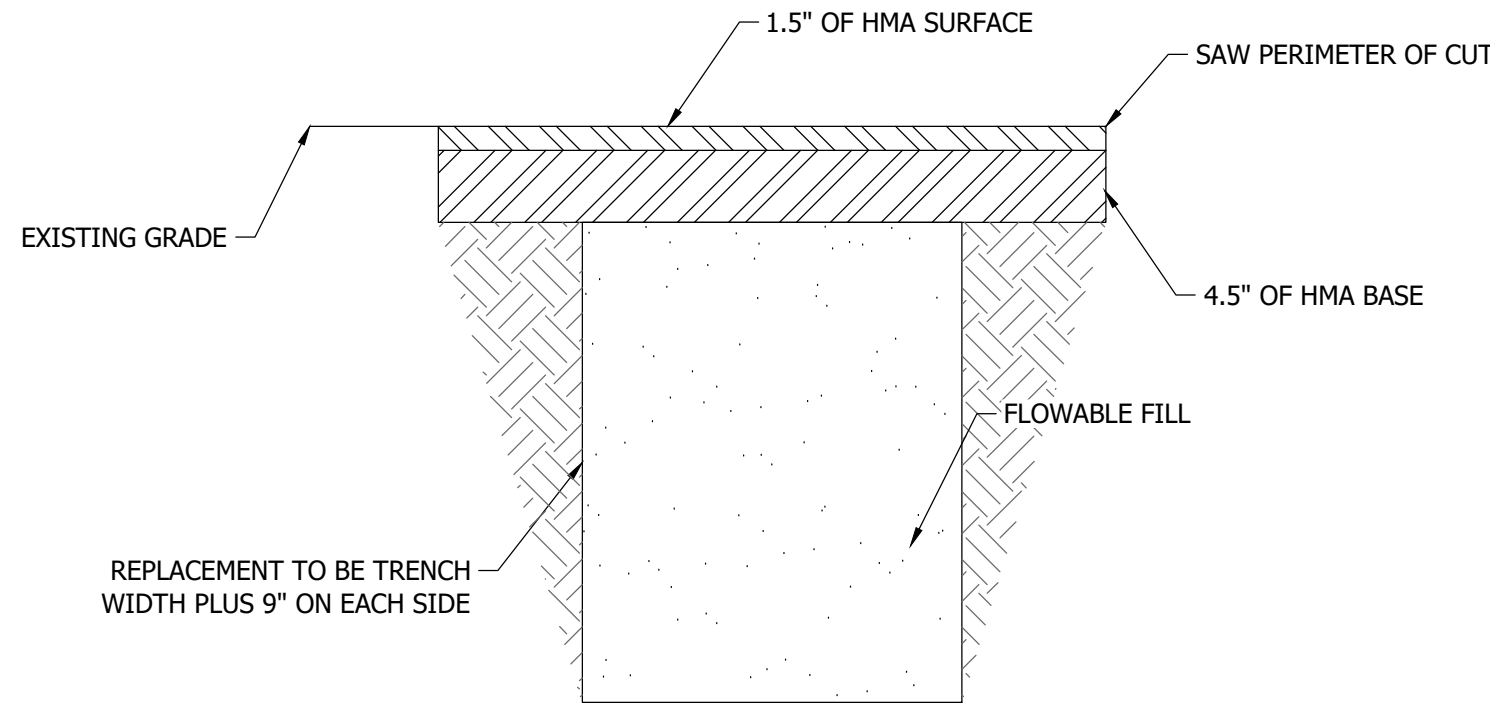
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EDITED BY: RHUNT
DATE: 8/25/26 6:52 AM



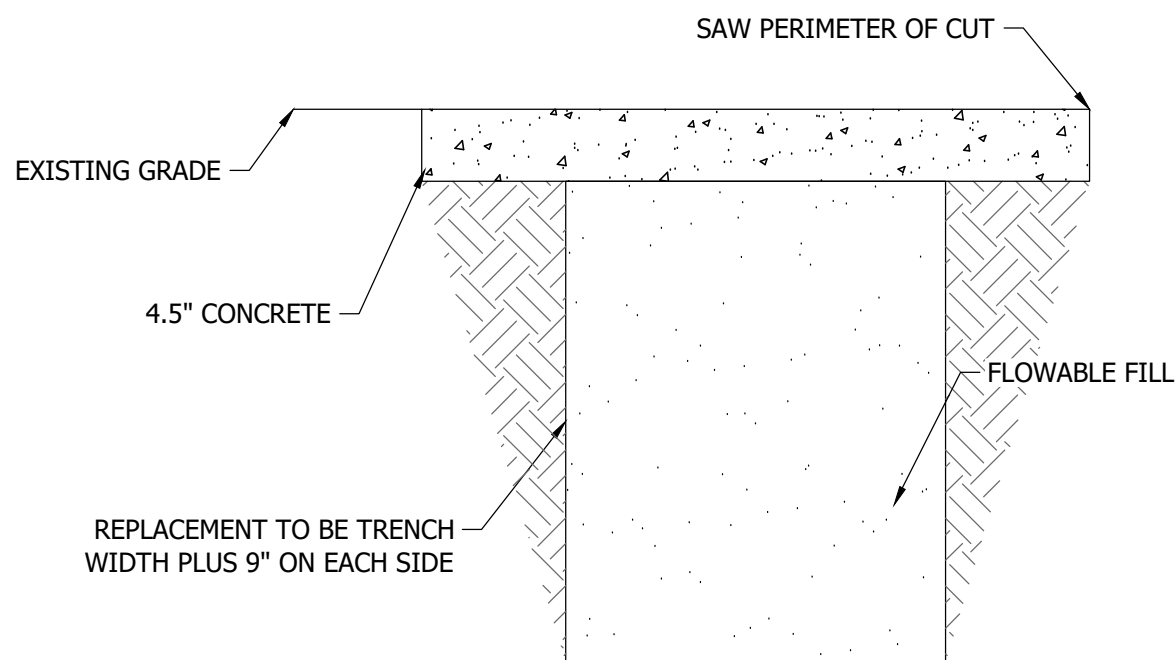
6 DOUBLE SWING GATE DETAIL
NOT TO SCALE



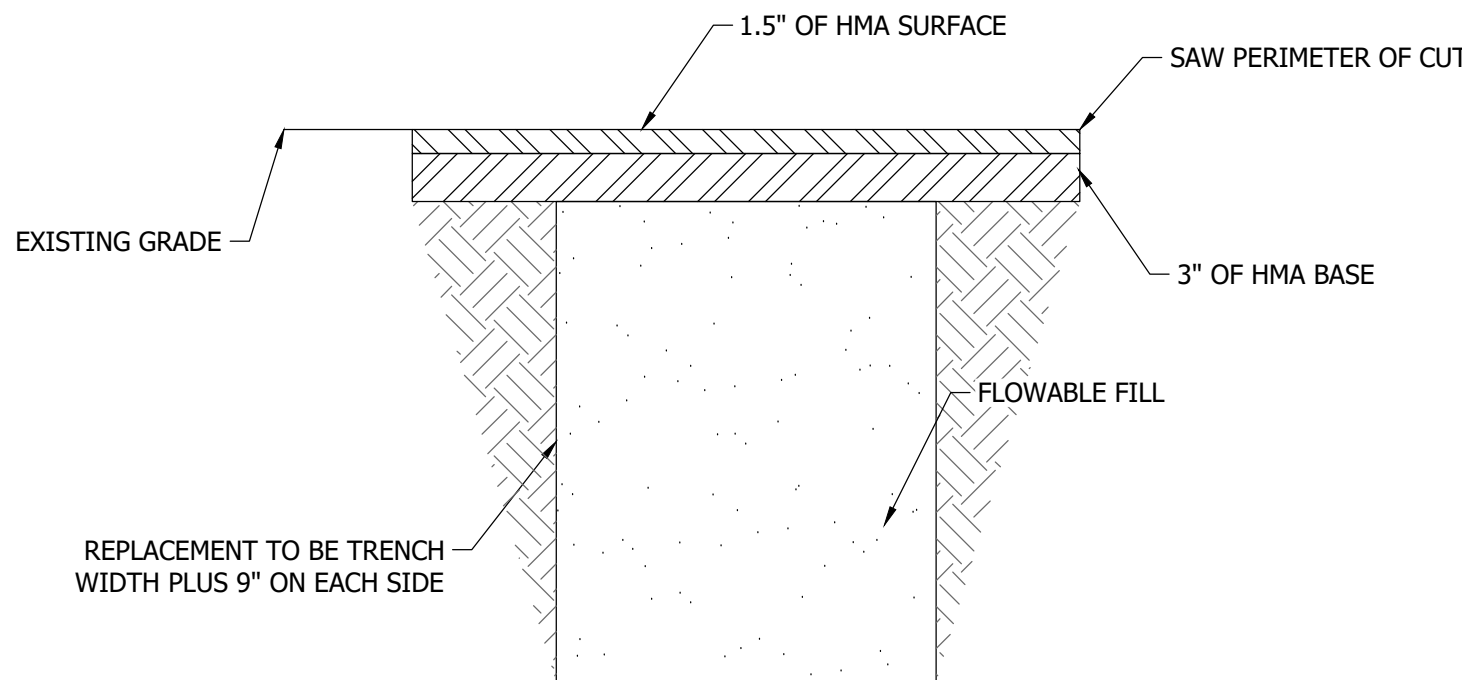
7 (TOWN OF SWEETSER BOUNDARIES)
NON-RESIDENTIAL STREETS, CONCRETE
TO SCALE



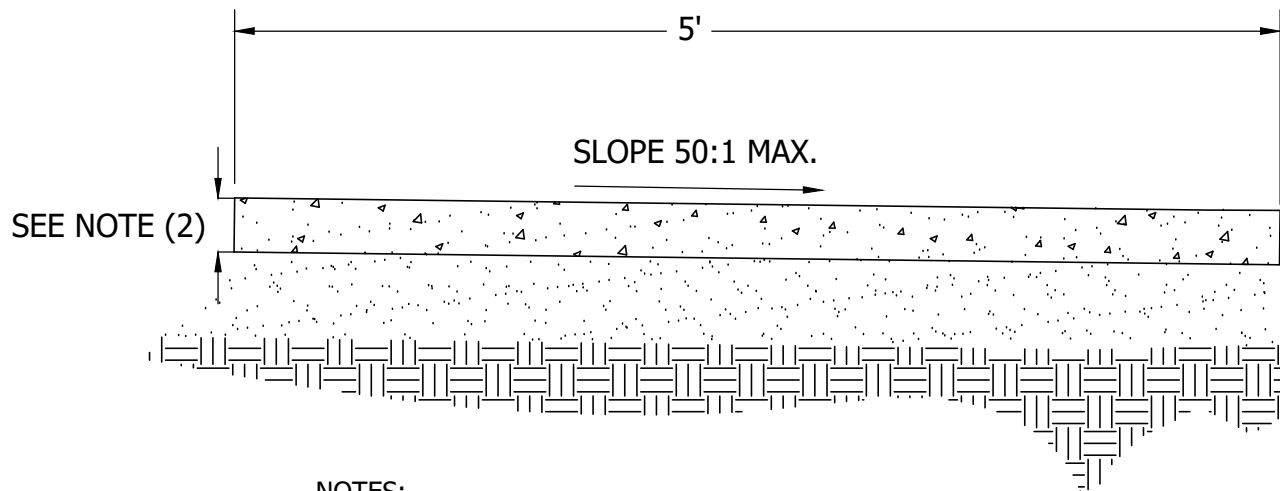
8 (TOWN OF SWEETSER BOUNDARIES)
NONRESIDENTIAL STREETS, ASPHALT
TO SCALE



10 (TOWN OF SWEETSER BOUNDARIES)
RESIDENTIAL STREETS, CONCRETE
TO SCALE



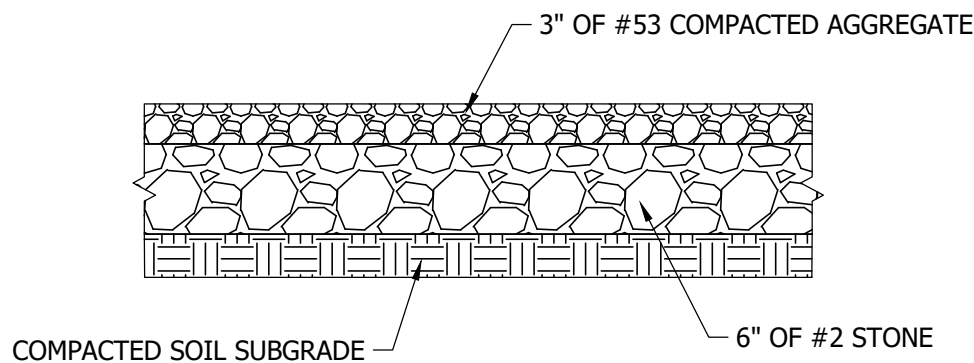
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RESIDENTIAL STREETS, ASPHALT
TO SCALE



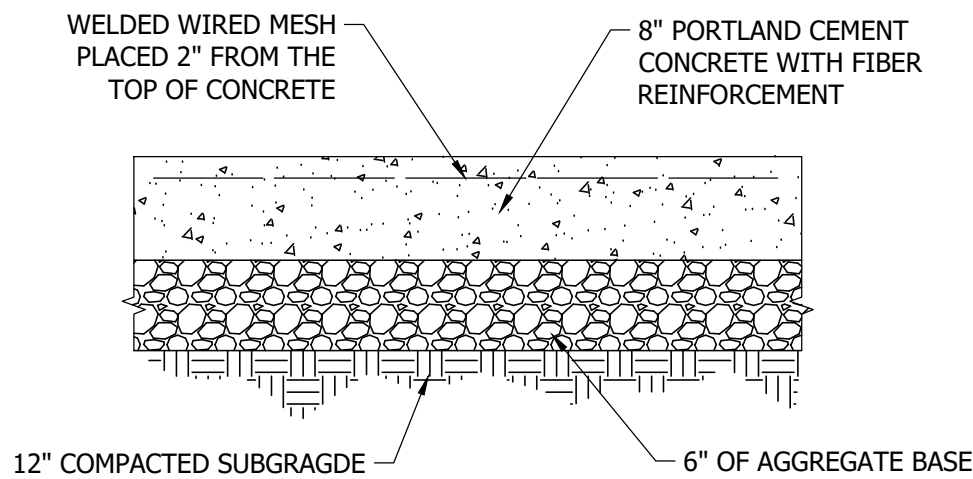
NOTES:

1. NEW SIDEWALK SHALL HAVE CONTRACTION JOINTS (TOOLED) EVERY 5 FOOT AND .5 INCH EXPANSION MATERIAL EVERY 50 FEET.
2. SIDEWALKS SHALL BE 4 INCHES THICK; 6 INCHES THICK IN DRIVE APPROACHES.
3. ALL CONCRETE SHALL BE CLASS A-1 INCH MAX SLUMP.
4. NEW SIDEWALK SHALL BE PLACED ON COMPACTED OR UNDISTURBED BASE AND SHALL BE WETTED BEFORE POURING.
5. NEW SIDEWALKS SHALL BE TROWELLED AND FINISHED TO A BROOM FINISH.
6. EDGING AND DIVIDING TOOLS SHALL BE USED AFTER BROOMING OPERATION ON NEW SIDEWALKS.
7. ALL DISTURBED/FILLED DIRT AREAS SHALL BE GRADED, SEEDED AND STRAWED.
8. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

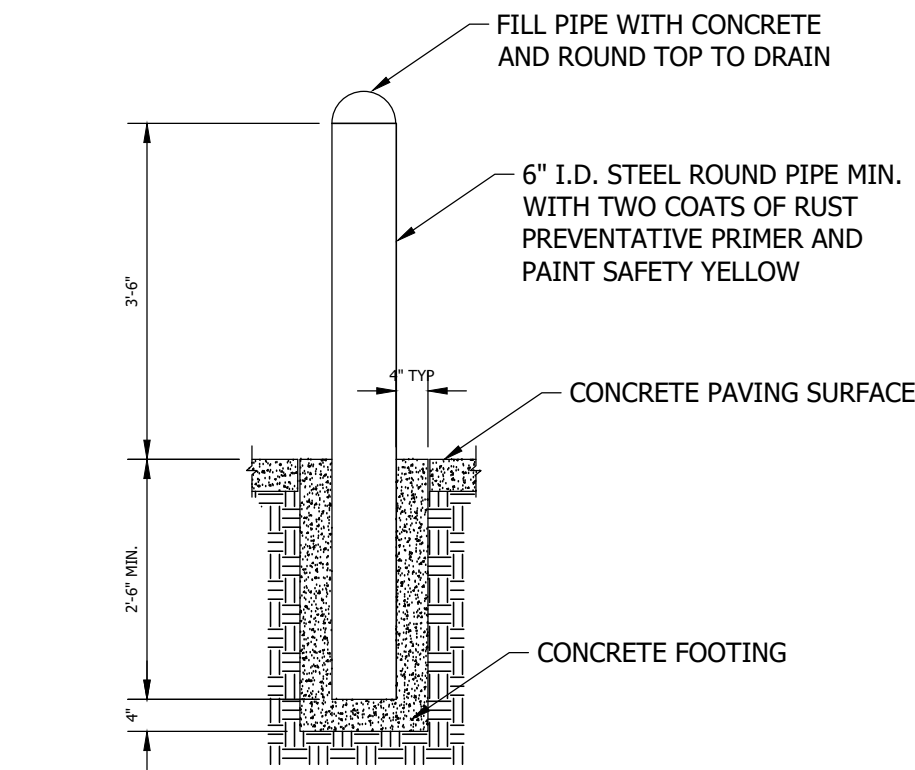
9 STANDARD DUTY SIDEWALK DETAIL
NOT TO SCALE



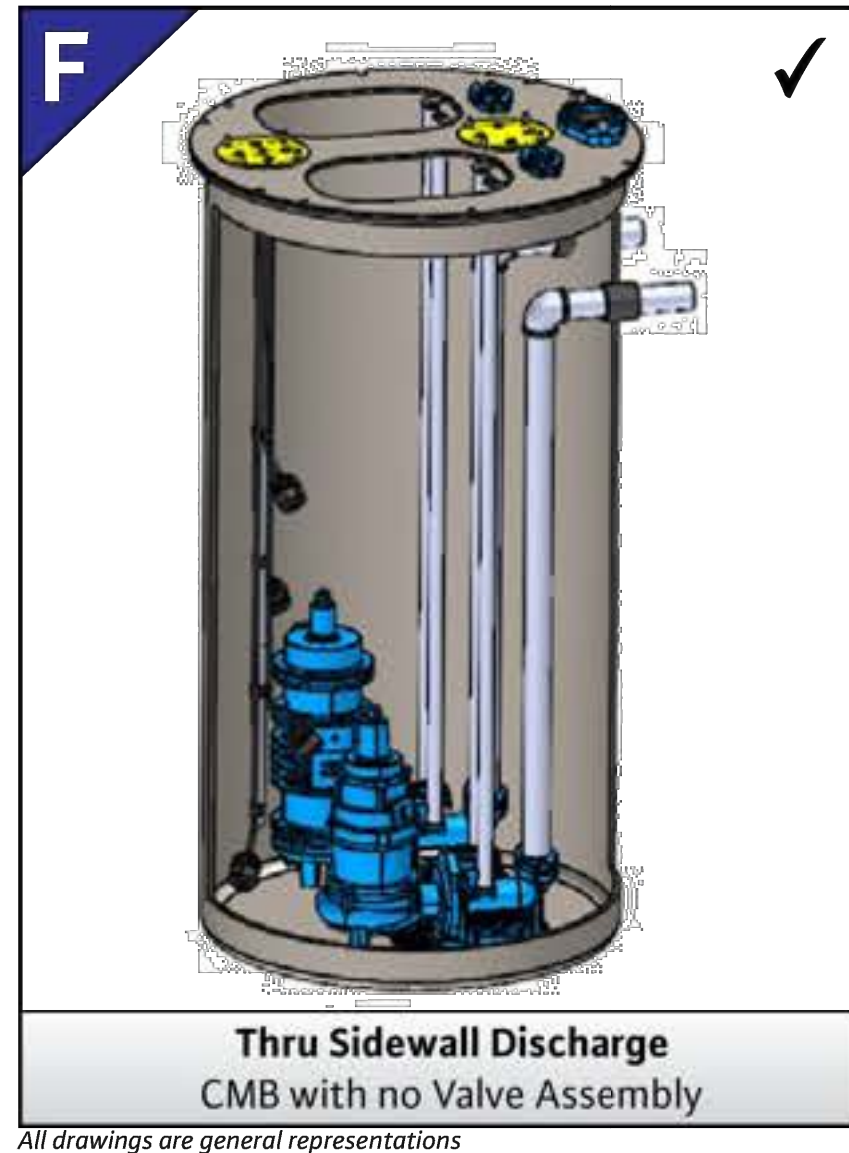
13 STONE PARKING AREA DETAIL
NOT TO SCALE



14 HEAVY DUTY CONCRETE PAVEMENT
NOT TO SCALE



12 6" EXTERIOR BOLLARD DETAIL
NOT TO SCALE



PUMP SYSTEM INFORMATION	
BASIN INSIDE DIAMETER	48"
BASIN DEPTH	96"
PUMP HORSEPOWER	5.00
PUMP VOLTAGE	208-230V
PUMP PHASE	3
PUMP RPM	3500 RPM
DISCHARGE PIPE MATERIAL	SCHEDULE 40 GALVANIZED STEEL
GUIDE PUMP MATERIAL	SCHEDULE 40 GALVANIZED STEEL
LEVEL CONTROL PIPE MATERIAL	SCHEDULE 40 GALVANIZED STEEL
INLET FITTING SIZE	6"
DISCHARGE THRU THE SIDEWALL DIMENSION MEASURED FROM TOP OF BASIN TO PIPE CENTERLINE	51"

15 SCREW PRESS LS - DUPLEX PUMP SYSTEM DETAIL
NOT TO SCALE



BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

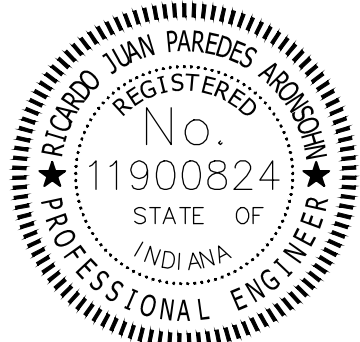
Project #: 400-6314

Designed By: RJPA

Drawn By: RLH

Checked By: ALC

Date: 08/28/2026

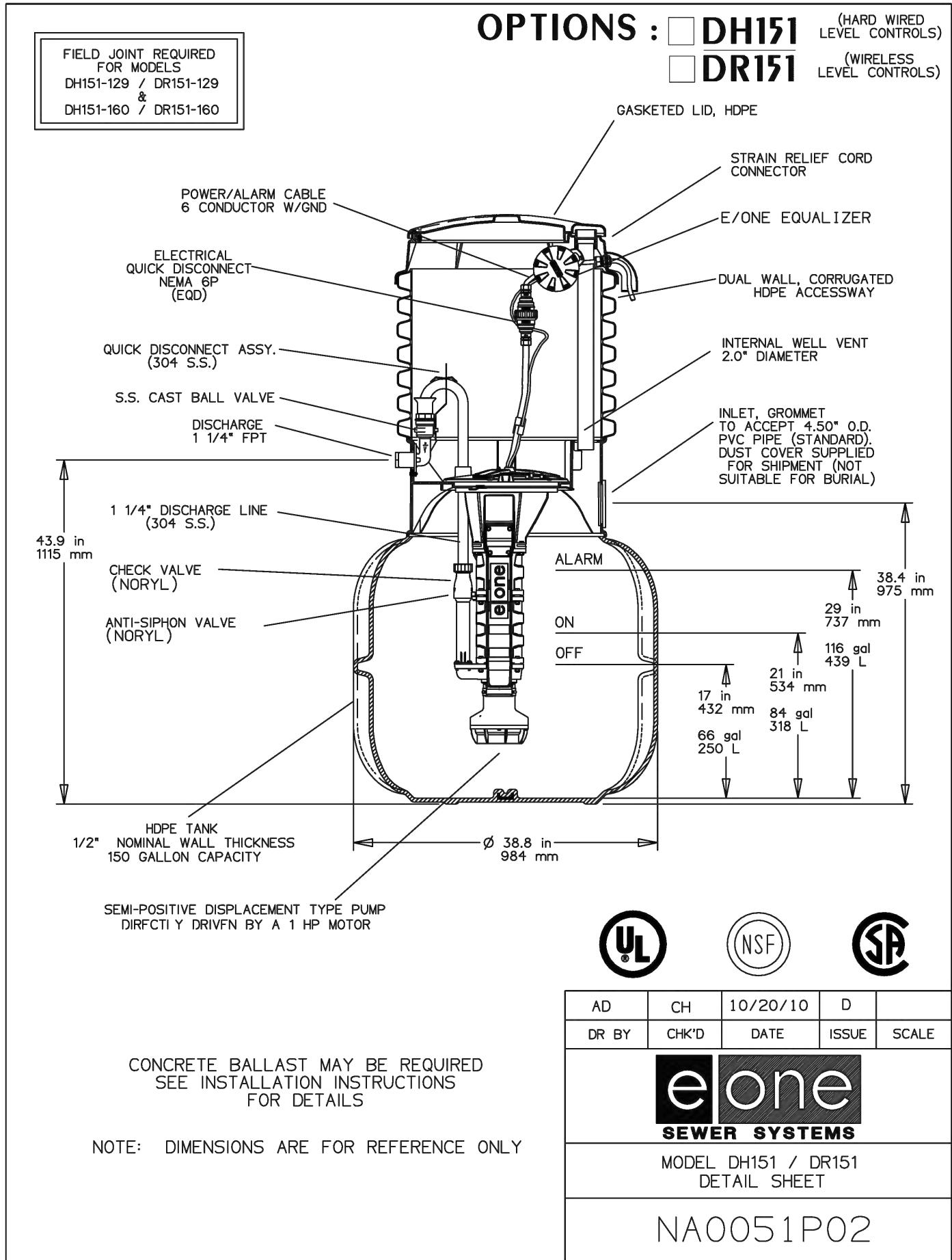


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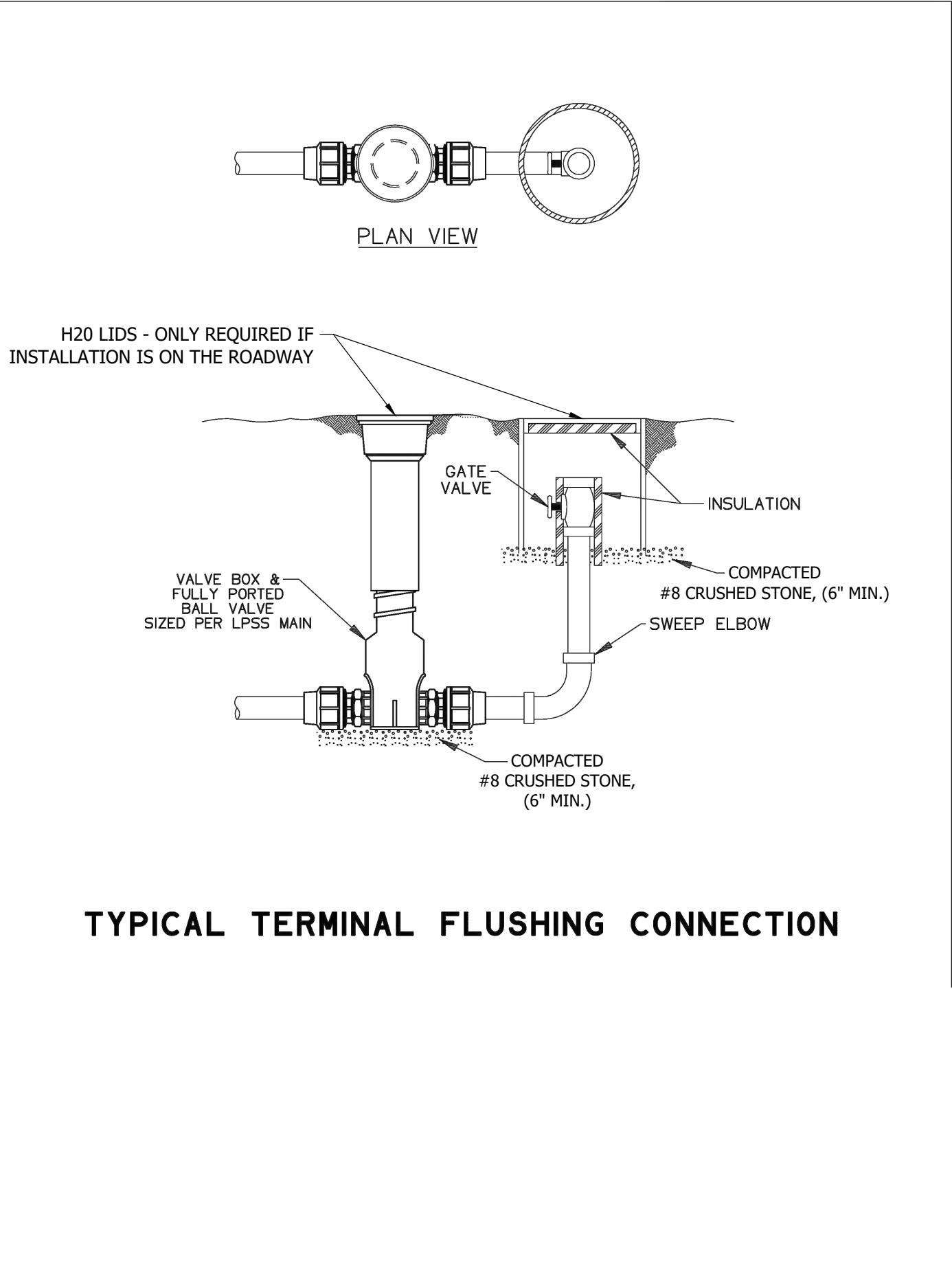
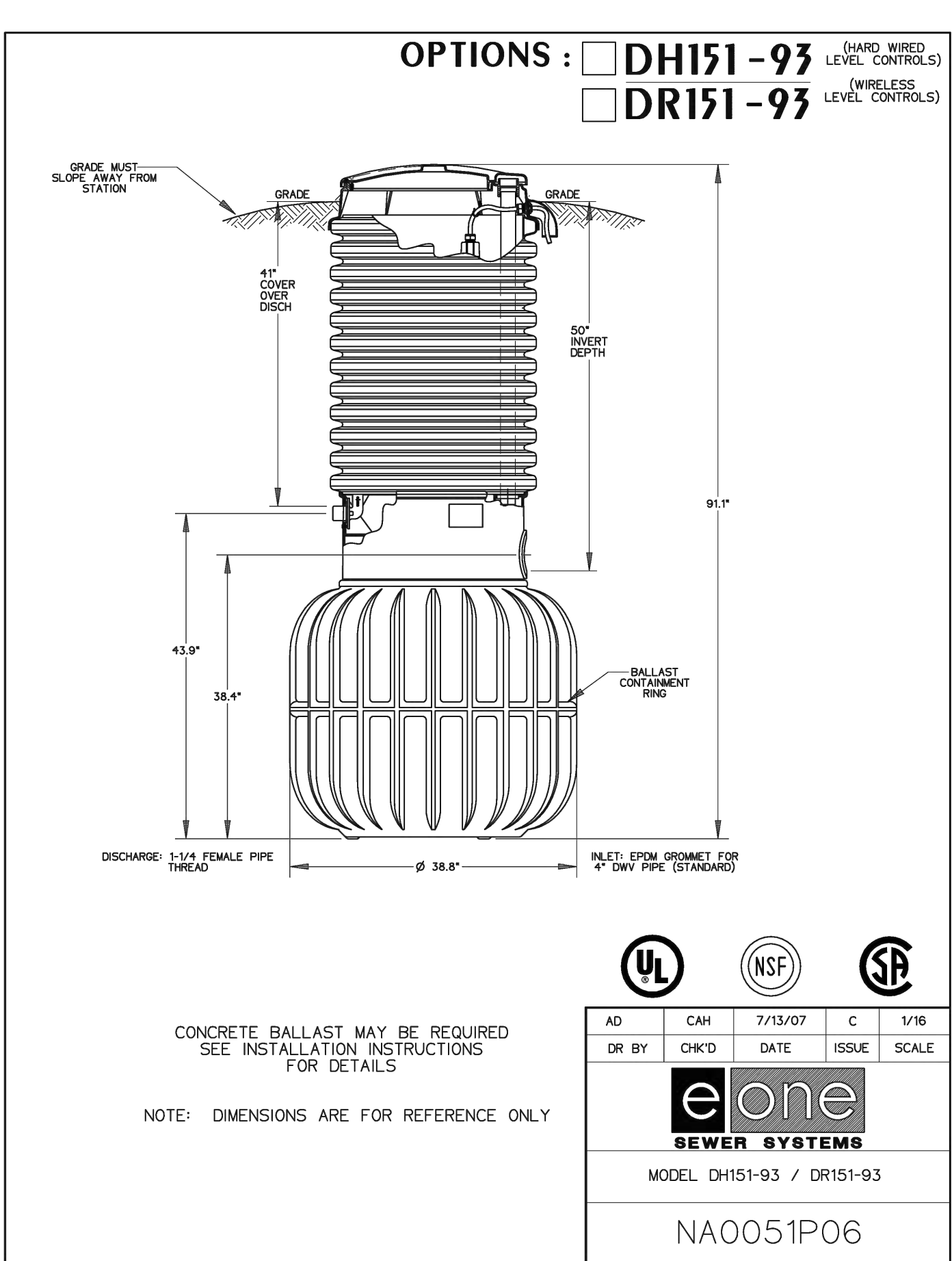
STANDARD CONSTRUCTION DETAILS

C801

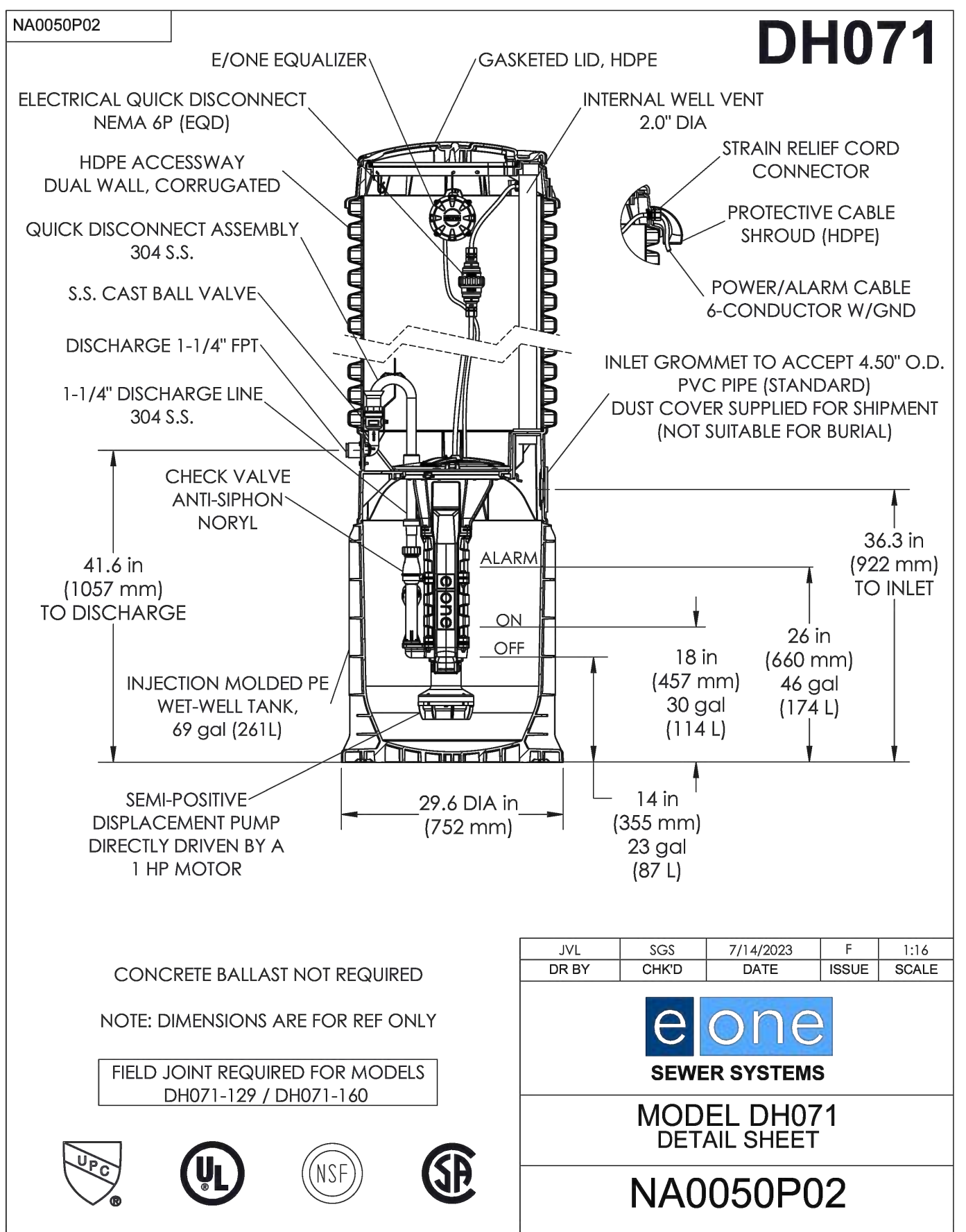
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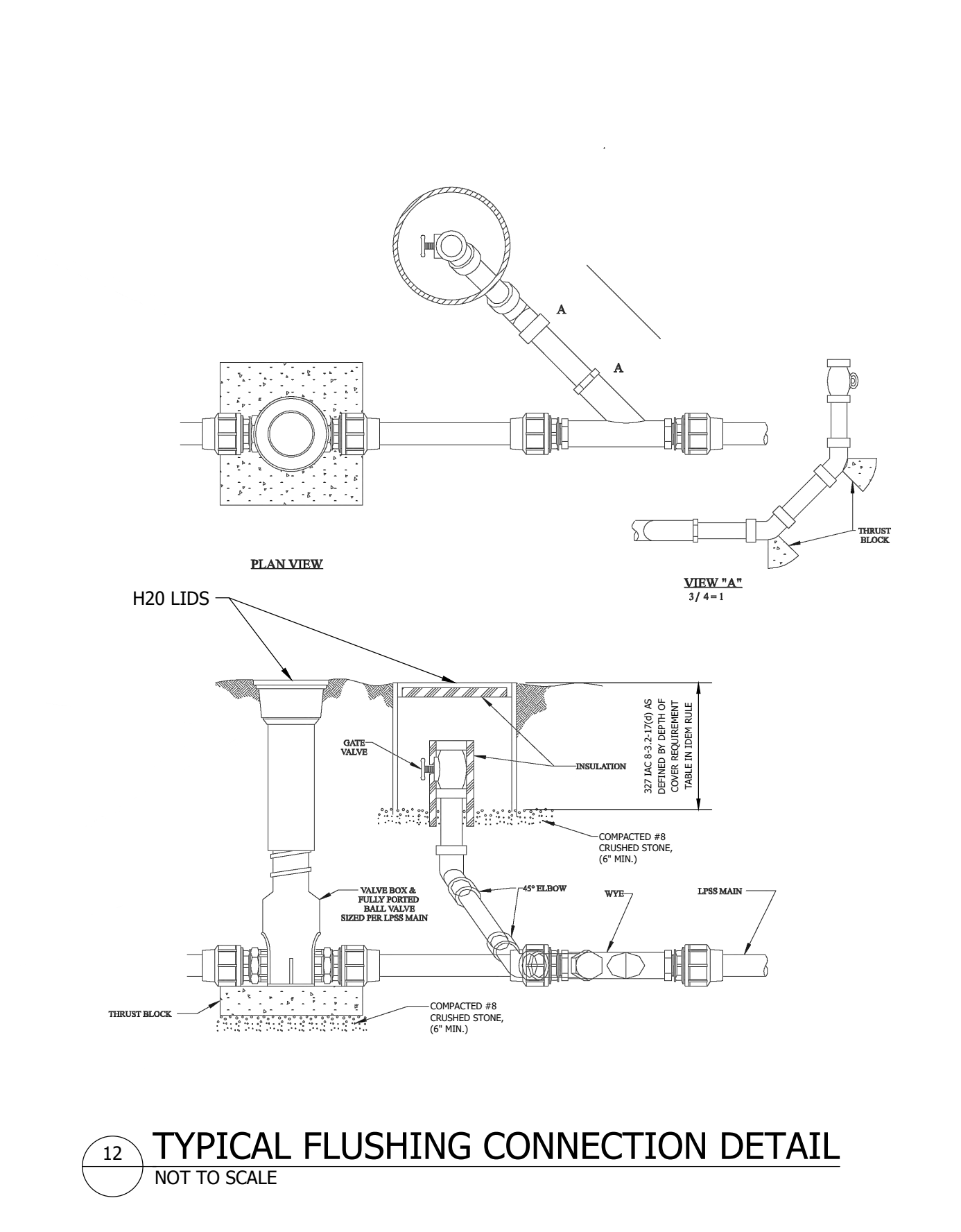
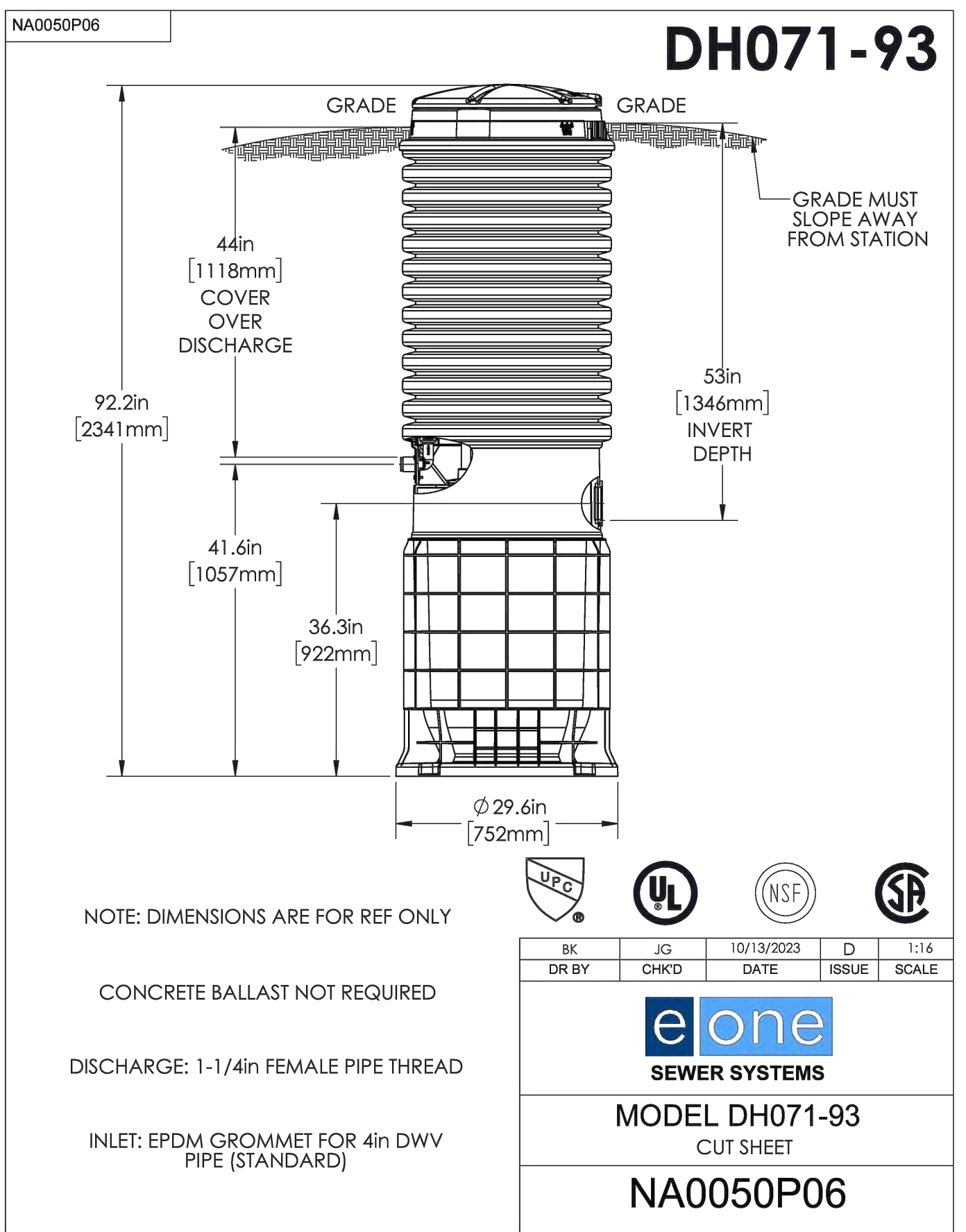
9 2015 COUNTY ROAD 300 W - GRINDER PUMP DETAIL
NOT TO SCALE



11 TYPICAL TERMINAL FLUSHING CONNECTION DETAIL
NOT TO SCALE



10 3490 W DELPHI PIKE & 3072 W DELPHI PIKE - GRINDER PUMP DETAIL
NOT TO SCALE



12 TYPICAL FLUSHING CONNECTION DETAIL
NOT TO SCALE



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SWEETSER, INDIANA, 46987

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Project #: 400-6314

Designed By: RJPA

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Date: 08/28/2026

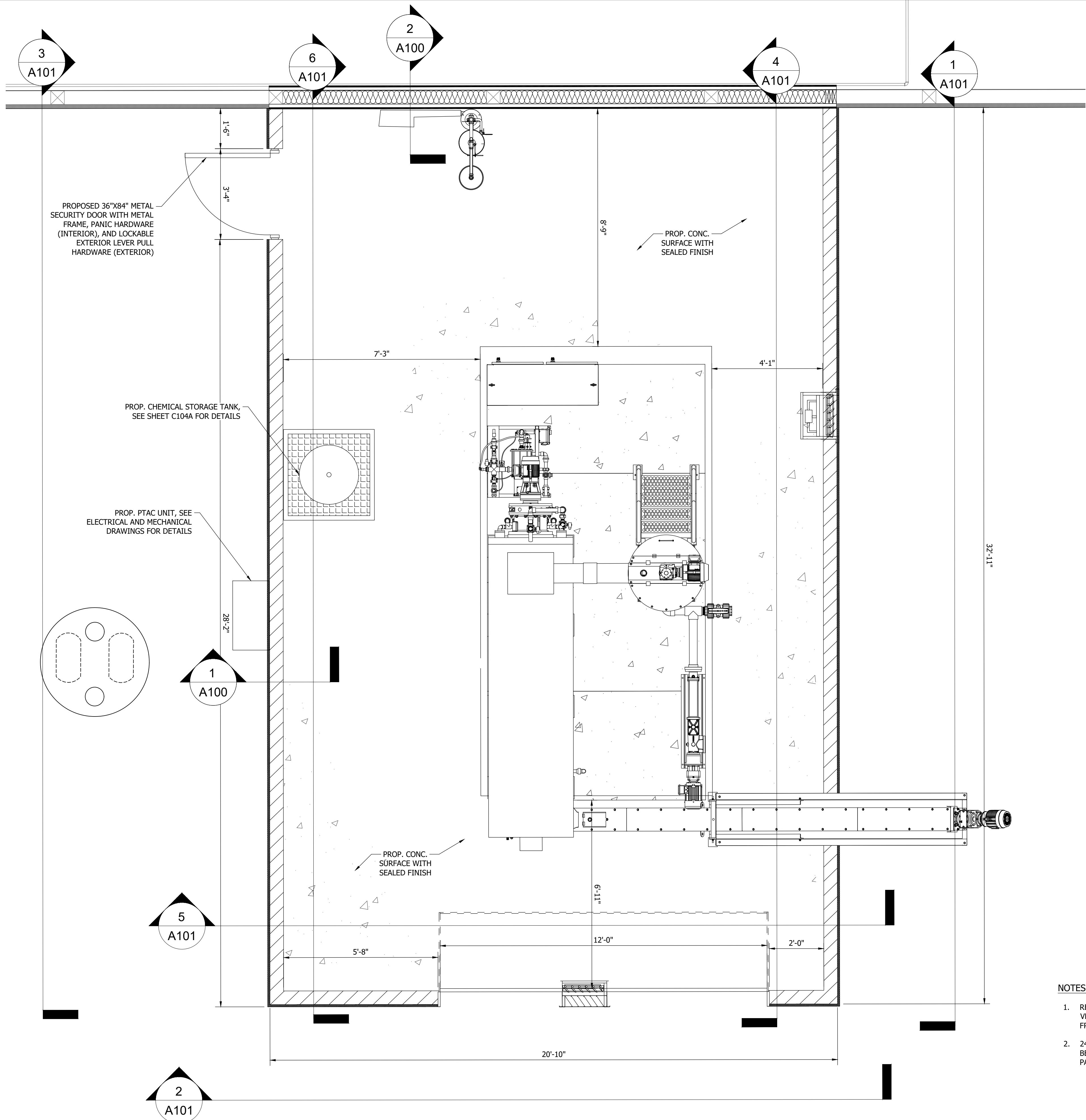


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STANDARD CONSTRUCTION DETAILS

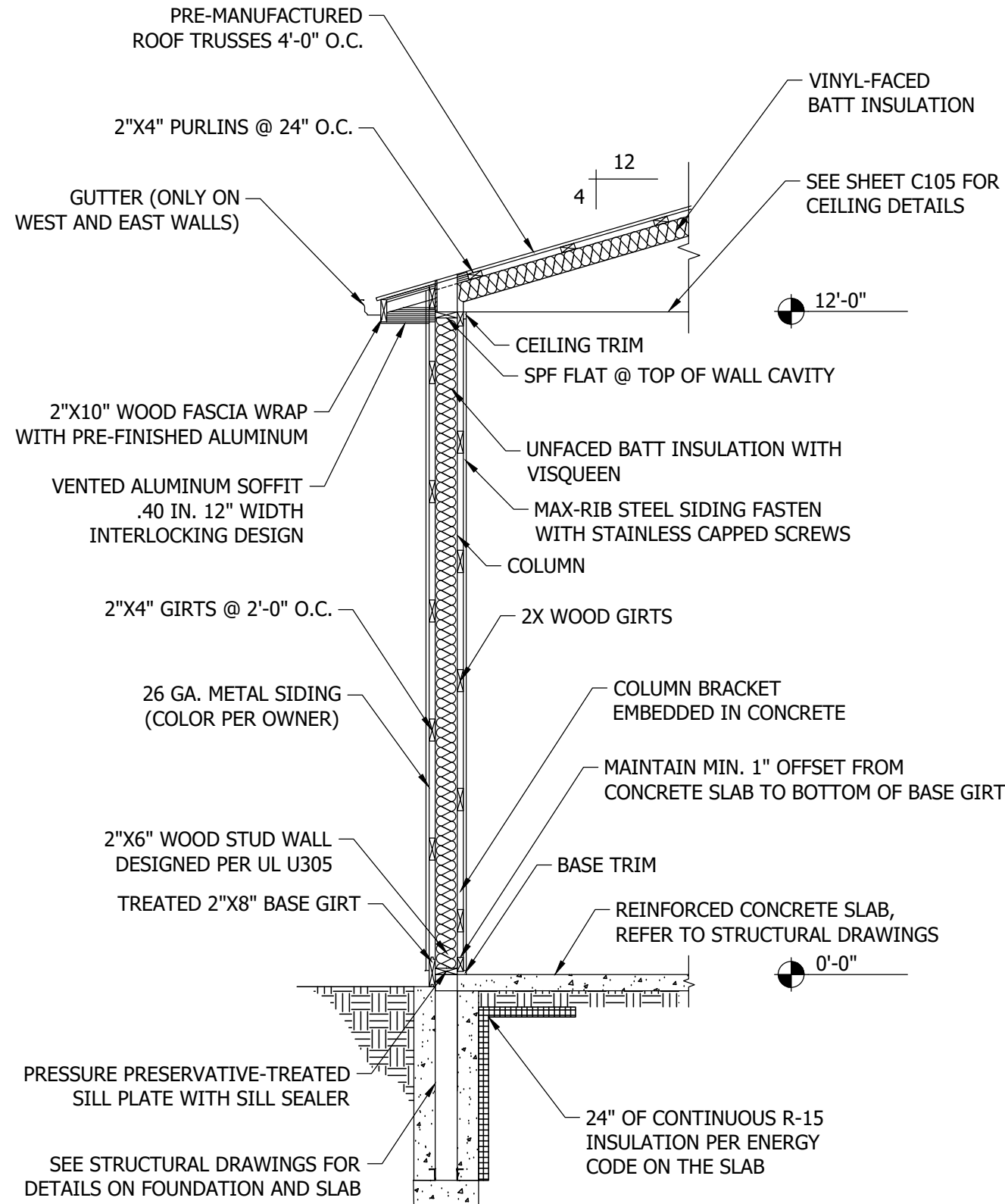
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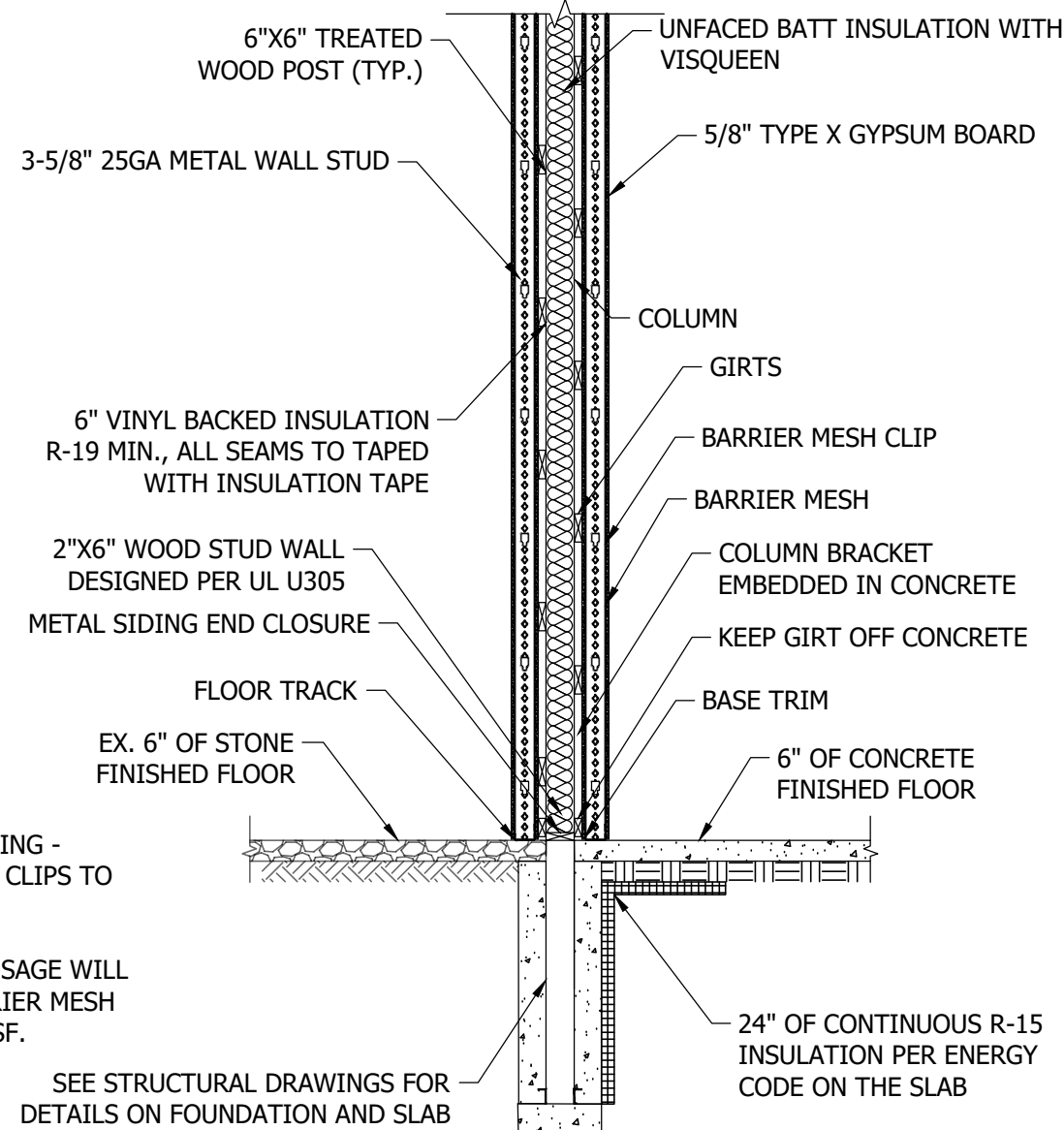


PROPOSED BUILDING FLOOR PLAN
SCALE: 1" = 2'-0"

- | GENERAL NOTES | |
|---------------|---|
| 1. | CONTRACTOR TO INSTALL ALL EQUIPMENT IN COMPLETE ACCORDANCE WITH ALL MANUFACTURER'S RECOMMENDATIONS. |
| 2. | REFER TO SPECIFICATIONS FOR FURTHER INFORMATION. |
| 3. | SEE STRUCTURAL DETAIL AND ELECTRICAL/MECHANICAL SHEETS FOR FURTHER DETAIL. |
| 4. | CONTRACTOR TO COORDINATE WITH ALL OTHER APPLICABLE PLAN SHEETS AND SPECIFICATIONS. |
| 5. | CONTRACTOR TO VERIFY EQUIPMENT MOUNTING ELEVATIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. |



1
A100 WALL SECTION
SCALE: NONE



2
A100 WALL SECTION
SCALE: NONE

NOTES:

- RECOMMENDED CLIP SPACING - VERTICAL SPACING OF BM CLIPS TO FRAMING AT 10"-12" O.C.
- 24" O.C. STUD SPACING: USAGE WILL BE 16 CLIPS PER 4X8 BARRIER MESH PANEL, 50 CLIPS PER 100 SF.

SEE STRUCTURAL DRAWINGS FOR DETAILS ON FOUNDATION AND SLAB



BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

Project #: 400-6314

Designed By: RJPA

Drawn By: RLH

Checked By: ALC

Date: 08/28/2026



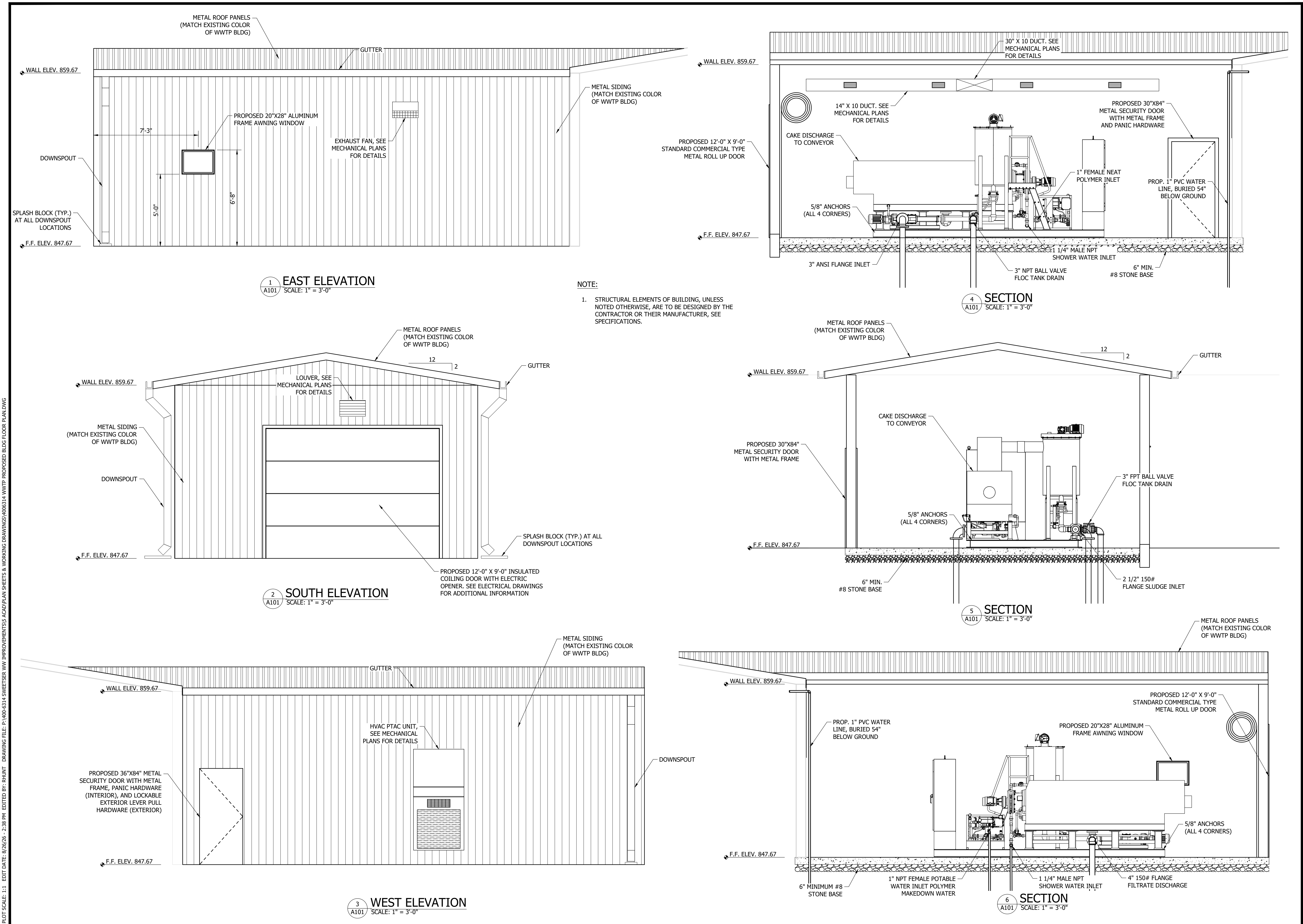
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PROPOSED SCREW PRESS BUILDING FLOOR PLAN

A100

PRINT DATE: 8/27/26
PLOT SCALE: 1" = 3'-0"



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SWEETSER WASTEWATER IMPROVEMENTS

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#	Revision	Date

Project #: 400-6314

Designed By: RJPA

Drawn By: RLH

Checked By: ALC

Date: 08/28/2026



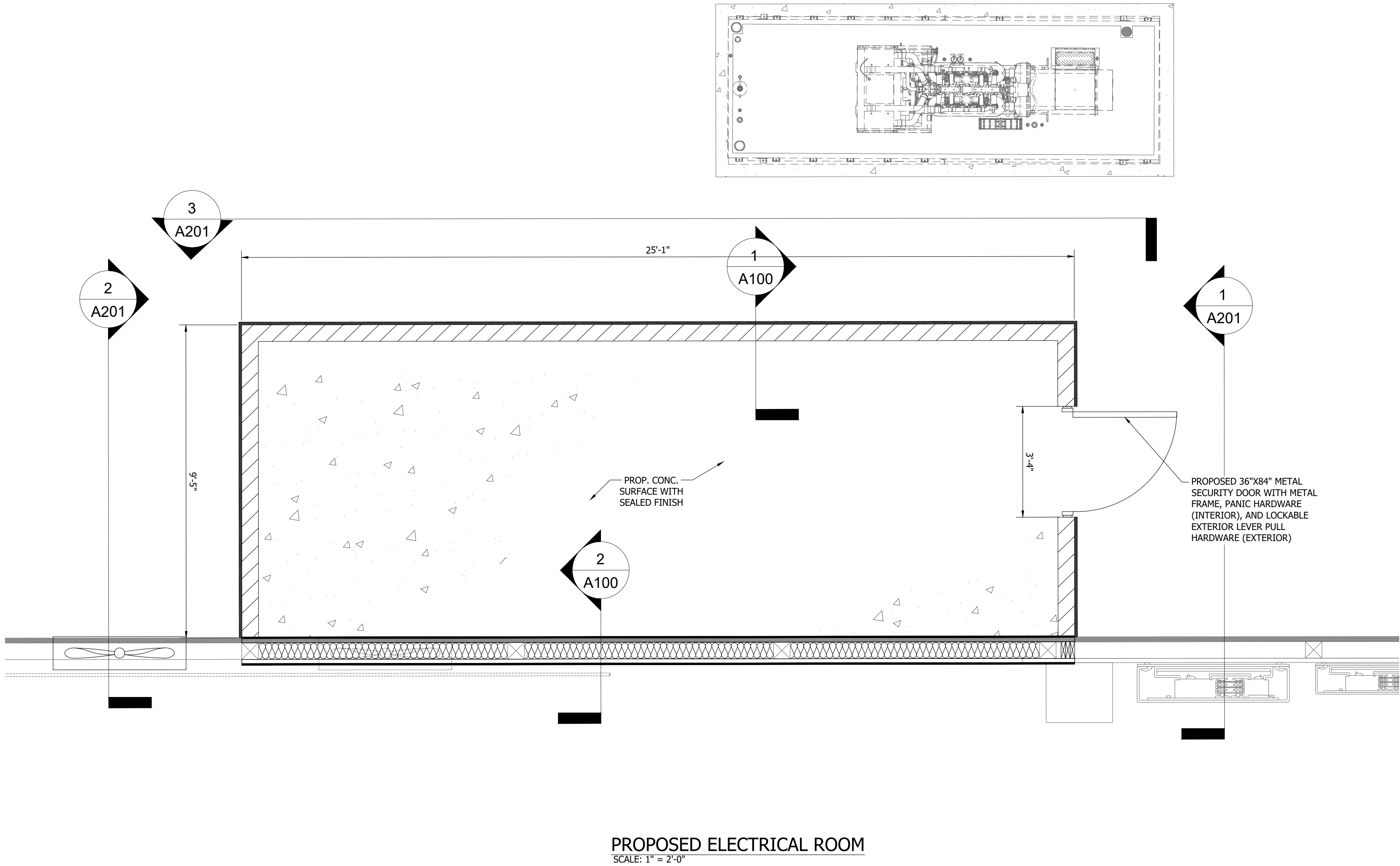
Ricardo Juan Paredes



PROPOSED SCREW PRESS BUILDING SECTIONS & ELEVATIONS

A101

PRINT DATE: 8/27/26
PLOT SCALE: 1:1
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DATE: 8/26/26 1:39 PM

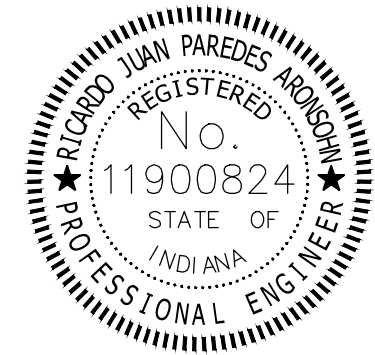


PROPOSED ELECTRICAL ROOM
SCALE: 1" = 2'-0"

- | GENERAL NOTES | |
|---------------|---|
| 1. | CONTRACTOR TO INSTALL ALL EQUIPMENT IN COMPLETE ACCORDANCE WITH ALL MANUFACTURER'S RECOMMENDATIONS. |
| 2. | REFER TO SPECIFICATIONS FOR FURTHER INFORMATION. |
| 3. | SEE STRUCTURAL DETAIL AND ELECTRICAL/MECHANICAL SHEETS FOR FURTHER DETAIL. |
| 4. | CONTRACTOR TO COORDINATE WITH ALL OTHER APPLICABLE PLAN SHEETS AND SPECIFICATIONS. |
| 5. | CONTRACTOR TO VERIFY EQUIPMENT MOUNTING ELEVATIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. |

#	Revision	Date

Project #: 400-6314
Designed By: RJPA
Drawn By: RLH
Checked By: ALC
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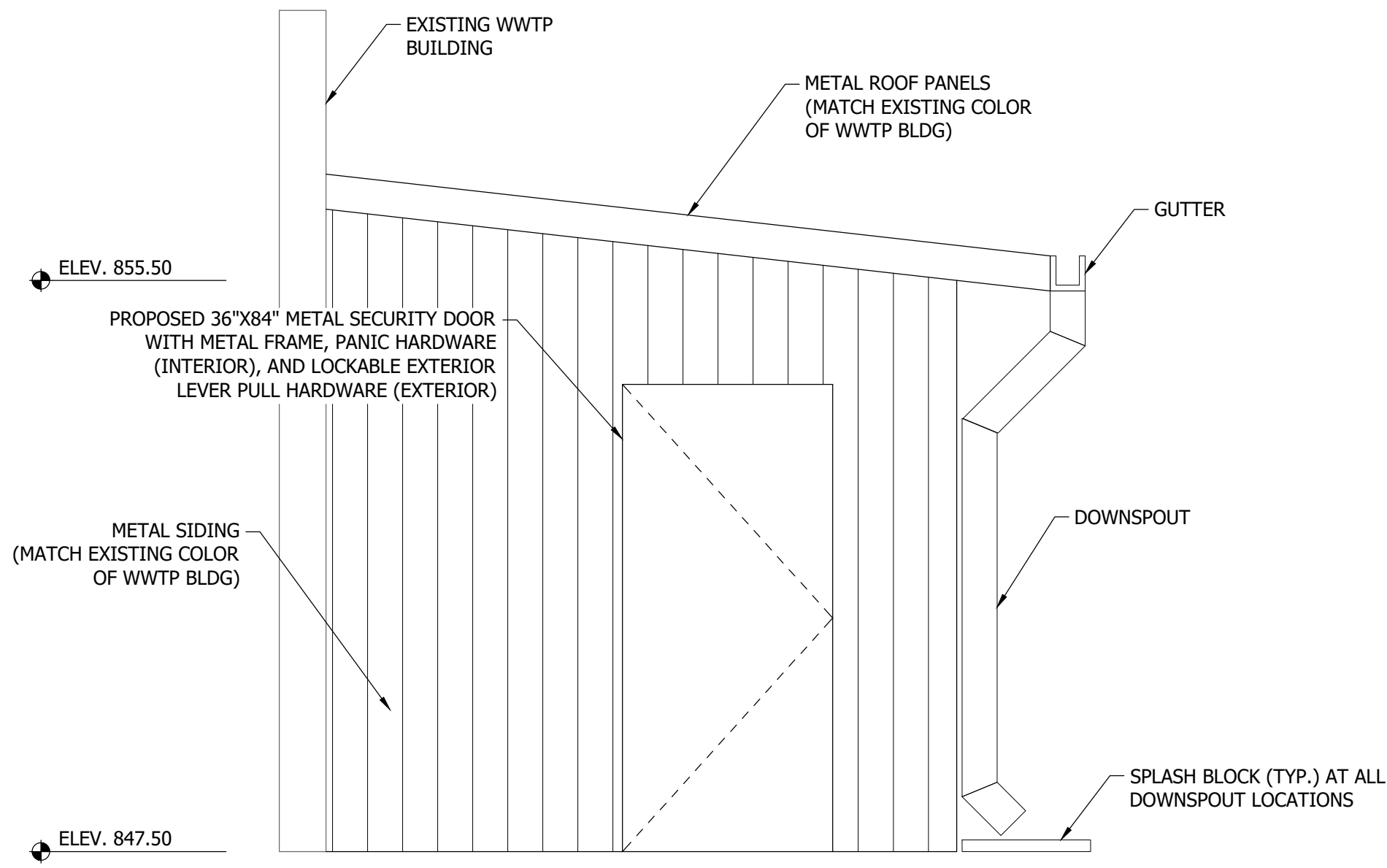


Richard Juan Paredes

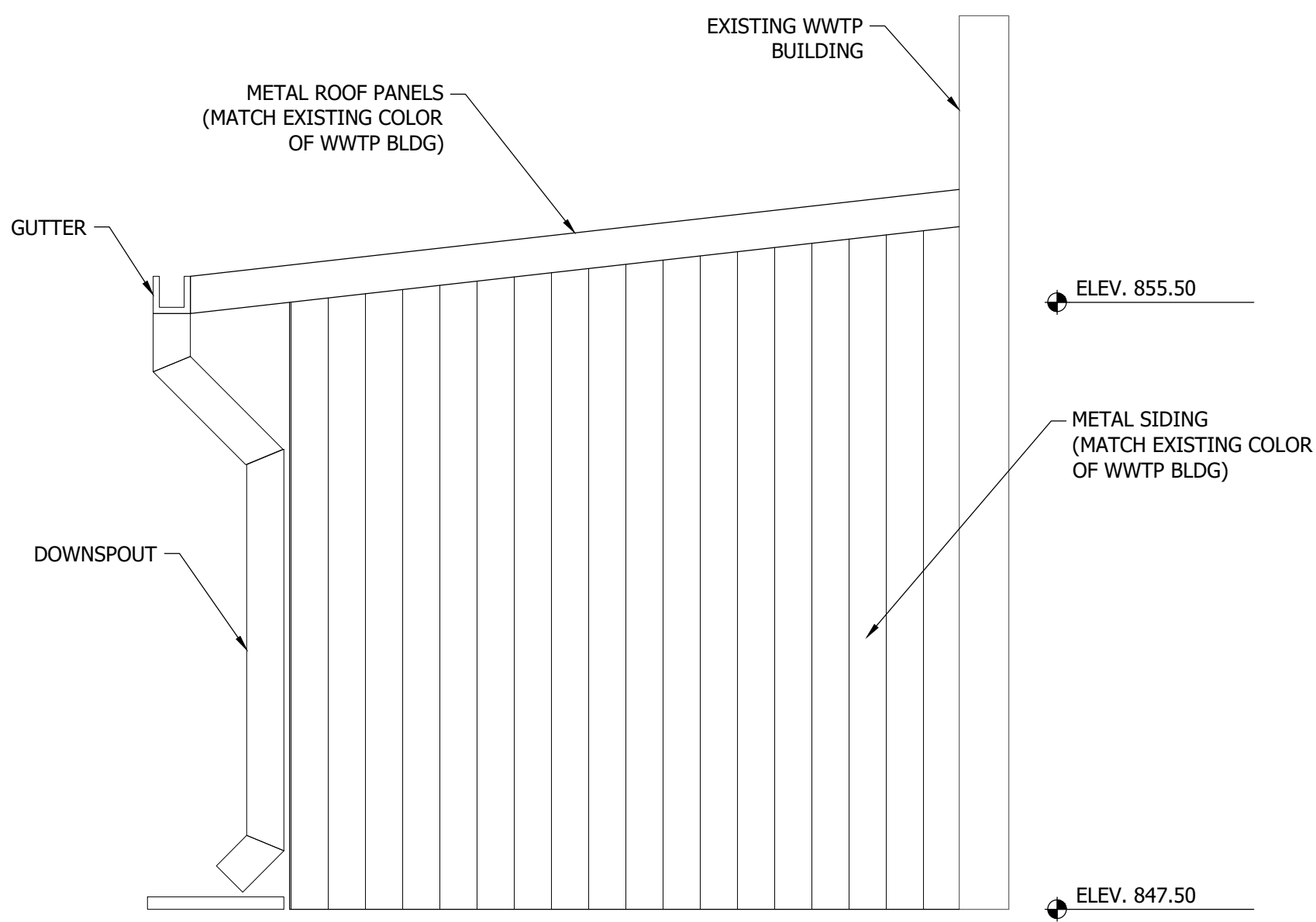


**PROPOSED ELECTRICAL
ROOM FLOOR PLAN**

PRINT DATE: 8/27/26
PLOT SCALE: 1:1
DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\ACAD\PLAN SHEETS & WORKING DRAWINGS\4006314 WWTP PROPOSED ELECTRICAL ROOM ELEVATIONS.DWG
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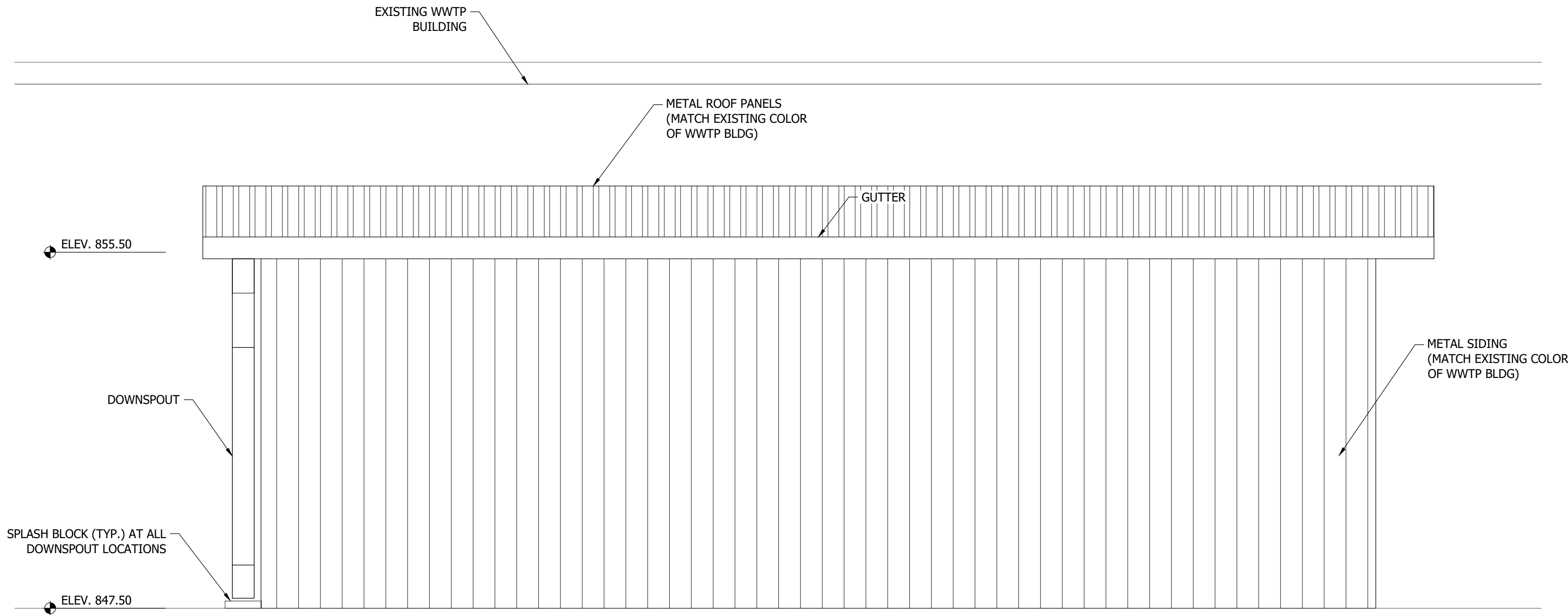


1 EAST ELEVATION
A201 SCALE: 1" = 2'-0"



2 WEST ELEVATION
A201 SCALE: 1" = 2'-0"

NOTE:
STRUCTURAL ELEMENTS OF BUILDING, UNLESS NOTED OTHERWISE, ARE TO BE DESIGNED BY THE CONTRACTOR OR THEIR MANUFACTURER, SEE SPECIFICATIONS.



3 NORTH ELEVATION
A201 SCALE: 1" = 2'-0"



BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

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Project #: 400-6314
Designed By: RJPA
Drawn By: RLH
Checked By: ALC
Date: 08/28/2026



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PROPOSED ELECTRICAL ROOM ELEVATIONS

A201

BID SET

**SWEETSER WASTEWATER
IMPROVEMENTS**

BID SET

SWEETSER, INDIANA, 46987

#	Revision	Date

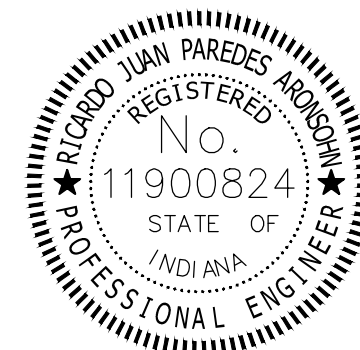
Project #: 400-6314

Designed By: RJPA

Drawn By: RLH

Checked By: ALC

Date: 08/28/2026

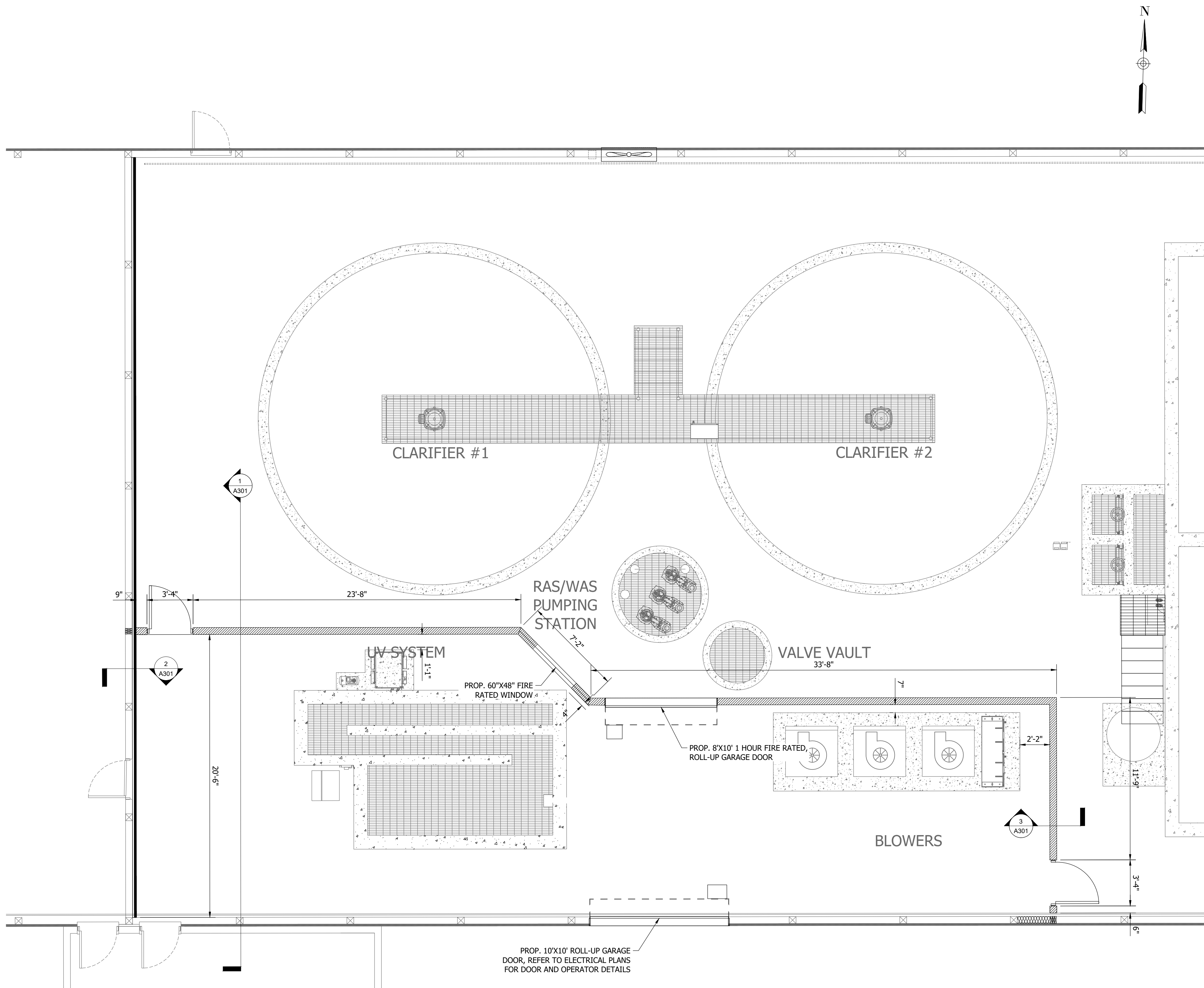


Ricardo José Laredo Hernández



PROPOSED UV AND BLOWERS FLOOR PLAN

A300



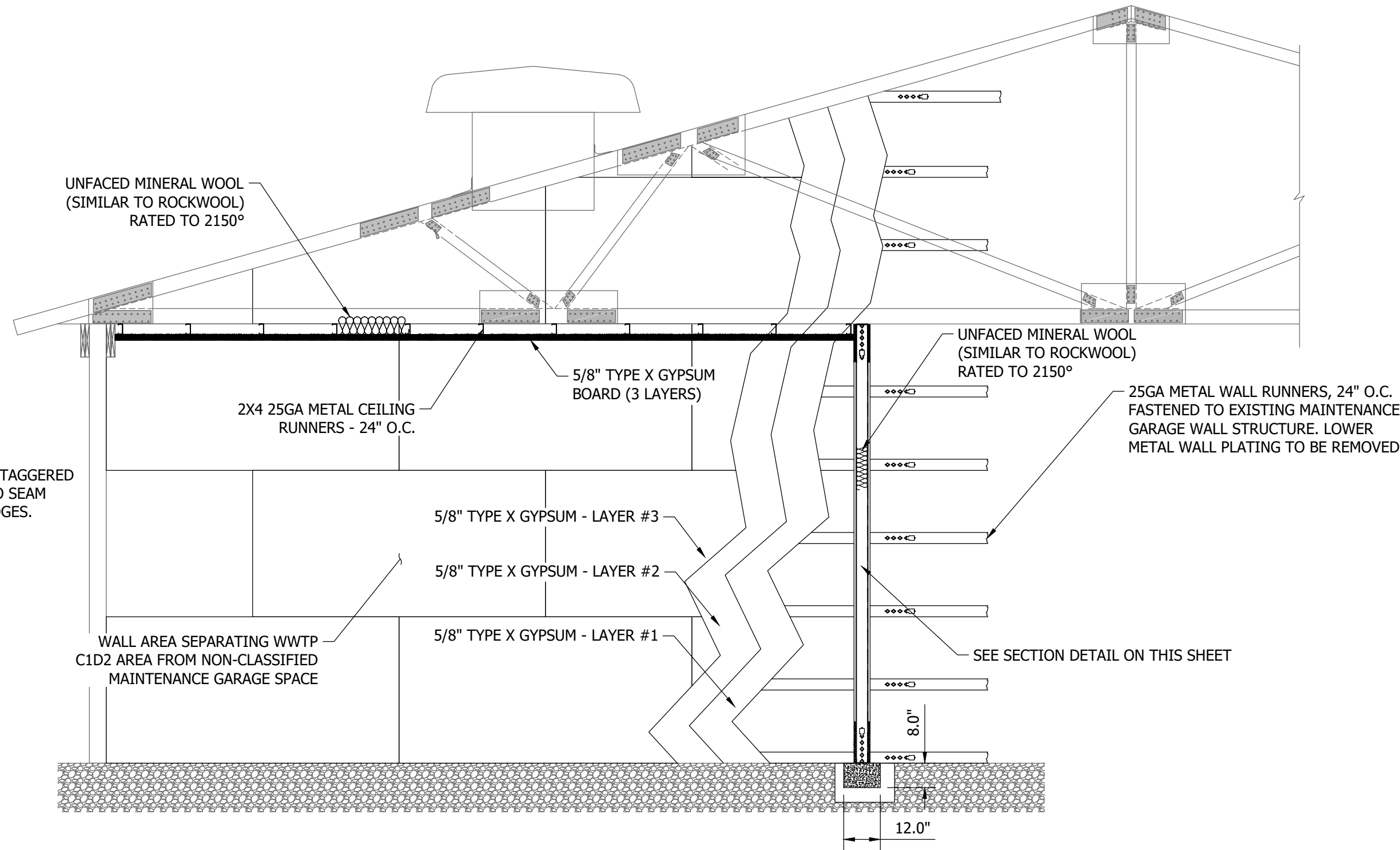
PROPOSED U.V. AND BLOWER ROOM FLOOR PLAN
SCALE: 1" = 4'-0"

- ## GENERAL NOTES
1. CONTRACTOR TO INSTALL ALL EQUIPMENT IN COMPLETE ACCORDANCE WITH ALL MANUFACTURER'S RECOMMENDATIONS.
 2. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.
 3. SEE STRUCTURAL DETAIL AND ELECTRICAL/MECHANICAL SHEETS FOR FURTHER DETAIL.
 4. CONTRACTOR TO COORDINATE WITH ALL OTHER APPLICABLE PLAN SHEETS AND SPECIFICATIONS.
 5. CONTRACTOR TO VERIFY EQUIPMENT MOUNTING ELEVATIONS AND DIMENSIONS PRIOR TO CONSTRUCTION.

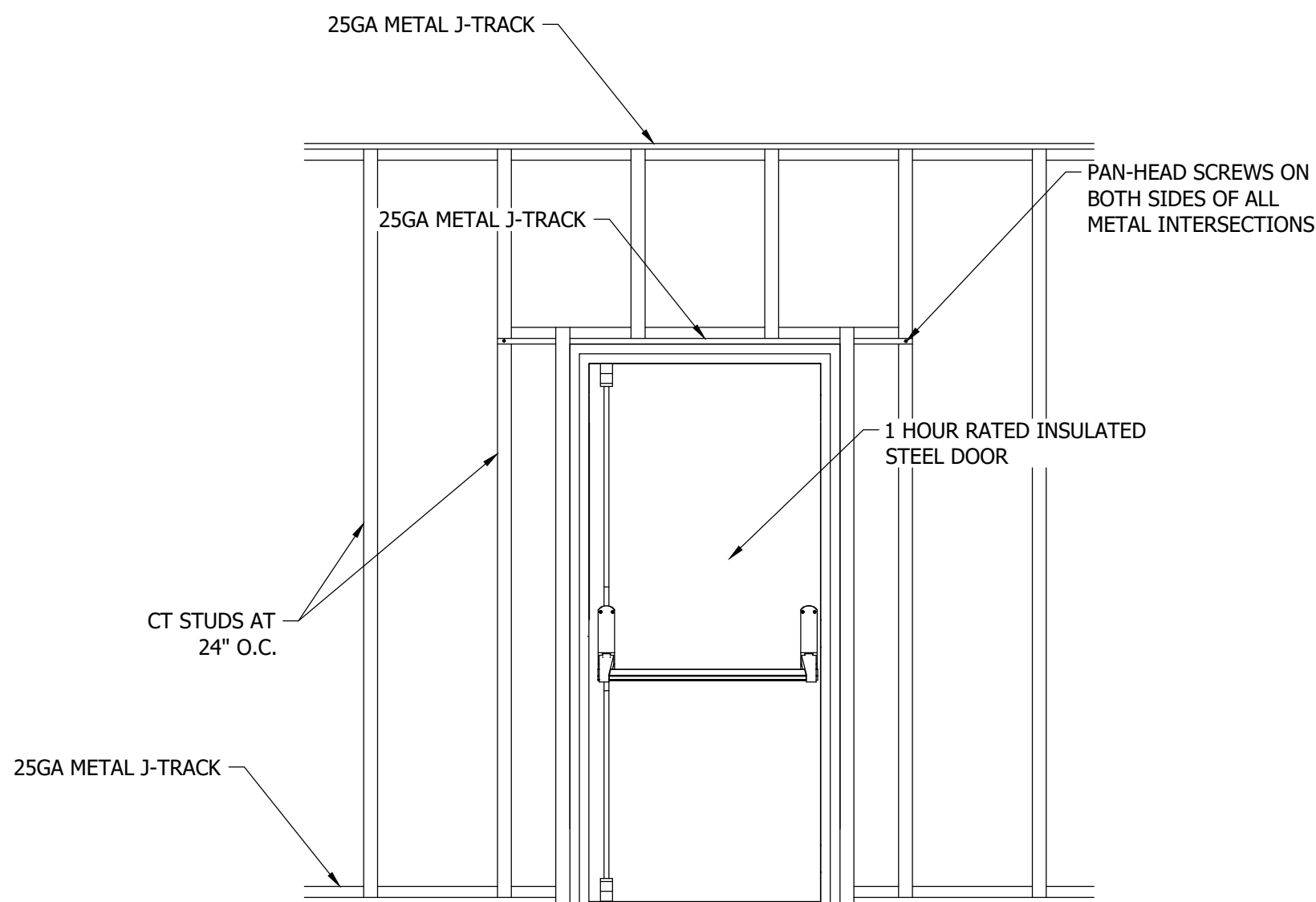
PRINT DATE: 8/27/26 PLOT SCALE: 1:1 EDIT DATE: 8/27/26 2:18 PM EDITED BY: RHUNT DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\5 A301\PLAN SHEETS & WORKING DRAWINGS\4006314 WWTP PROPOSED UV AND BLOWERS FLOOR PLAN.DWG

NOTE:

- LAYER WALL SEAMS SHALL BE STAGGERED BY MIN. 12" SEPARATION SO NO SEAM OVERLAPS ANOTHER ON ALL EDGES.



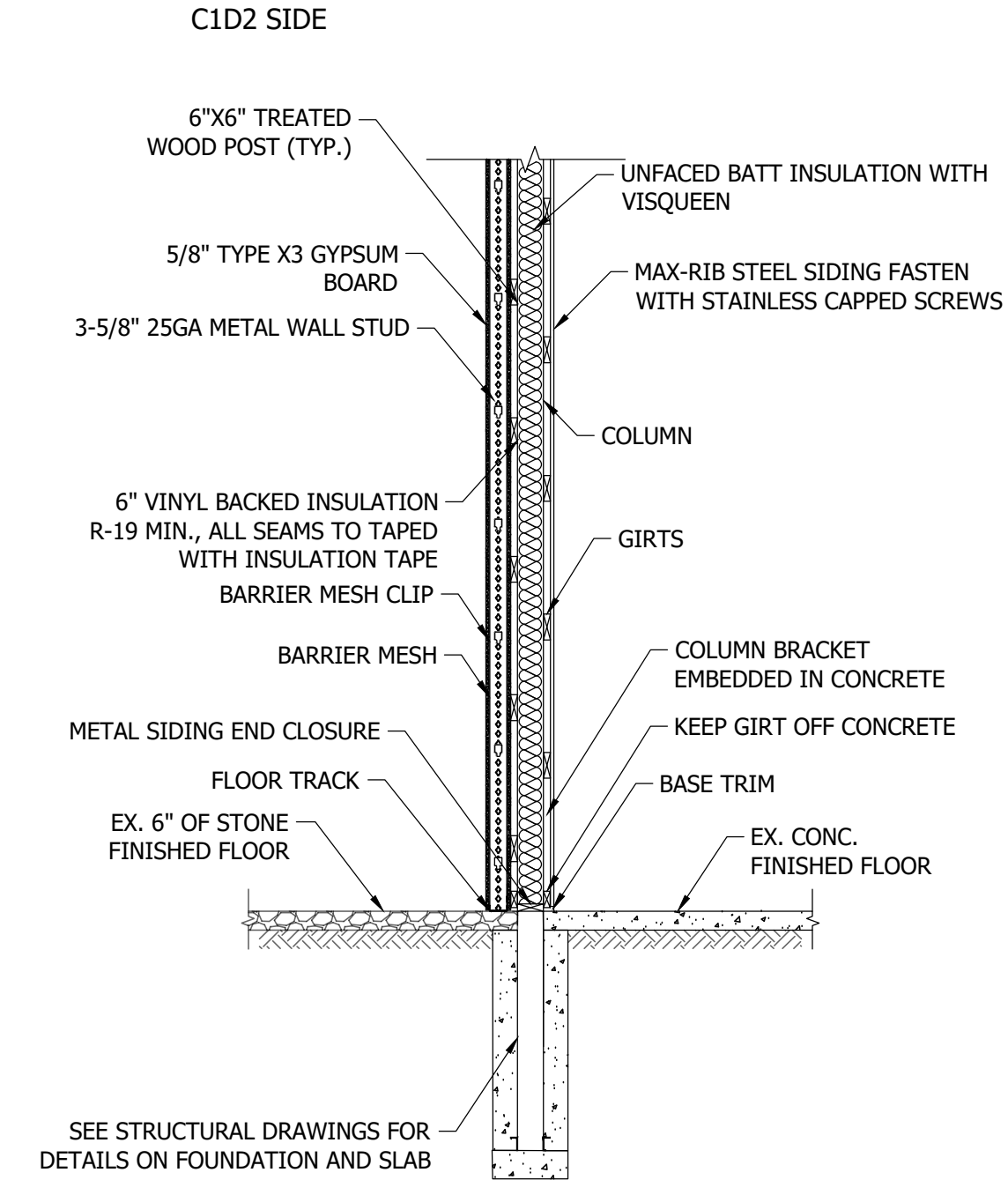
1 SECTION
A301 SCALE: 1" = 3'-0"



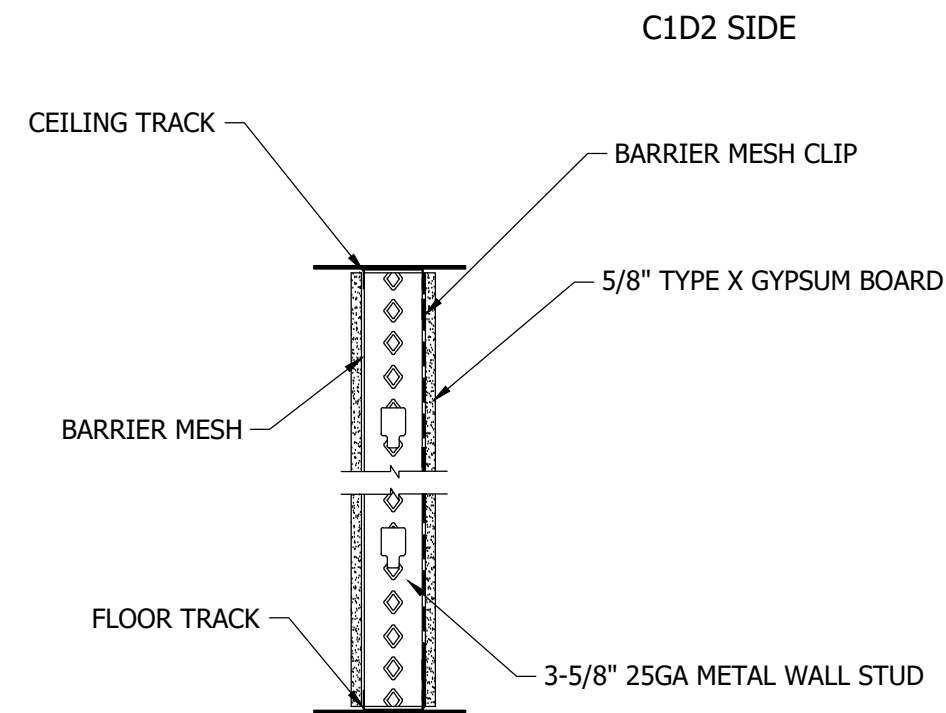
DOOR DETAIL (OPENING ROOM SIDE)
SCALE: NONE

NOTES:

- RECOMMENDED CLIP SPACING - VERTICAL SPACING OF BM CLIPS TO FRAMING AT 10"-12" O.C.
- 24" O.C. STUD SPACING: USAGE WILL BE 16 CLIPS PER 4X8 BARRIER MESH PANEL, 50 CLIPS PER 100 SF.



2 SECTION
A301 SCALE: NONE



3 SECTION DETAIL
A301 SCALE: NONE



BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

Project #: 400-6314

Designed By: RJPA

Drawn By: RLH

Checked By: ALC

Date: 08/28/2026



Richard Juan Paredes

PROPOSED UV AND BLOWERS ROOM SECTIONS AND DETAILS

A301

GENERAL STRUCTURAL NOTES

All notes hereafter are typically applicable unless noted otherwise on plans, sections, or details.

GENERAL

- The structure has been designed for the in-service loads only. The methods, procedures, and sequences of construction are the responsibility of the Contractor. Supporting formwork for concrete construction shall not be removed before the concrete has gained sufficient strength to safely support the dead and superimposed loads which will be subsequently applied. The Contractor shall take all necessary precautions to maintain and ensure the integrity of the structure at all stages of construction.
- All work shall be performed in accordance with the Indiana Building Code, 2014 Edition (2012 International Building Code, first printing, with Indiana Amendments).
- Where new work is to be fitted to old work, the Contractor shall check all dimensions and conditions in the field, and report any errors or discrepancies to the Structural Engineer prior to the fabrication and erection of any new members.
- Do not determine dimensions by "scaling" off the plans. The Contractor shall accept all risk associated with "scaling" and shall be responsible for all inadequate work resulting therefrom. Questions regarding missing or conflicting dimensions shall be directed, in writing, to the Structural Engineer.
- All work shall be performed without damage to adjacent retained work. Adequate protection of areas nearby work against dust, dirt and debris accumulation shall be maintained at all times.
- Principal openings in the structure are indicated on the structural drawings. Refer to the architectural, mechanical, electrical, and plumbing drawings for sleeves, curbs, inserts, etc. not herein indicated. Openings in slabs with a maximum side dimension or diameter of 10 inches or less shall not require additional framing or reinforcement, unless noted otherwise. The location of sleeves or openings not shown in structural members shall be approved by the Structural Engineer.
- The Contractor shall relocate all mechanical piping, ducts, equipment, electrical conduits, wiring and plumbing that interfere with the proposed construction. Service shall be maintained to all equipment that is served by mechanical, electrical or plumbing conduit being relocated.
- The Contractor shall relocate all utilities which interfere with the proposed construction. Service shall be maintained at all times during utility relocation unless otherwise noted.
- The shoring and/or re-shoring design is the responsibility of the Contractor. Temporary shoring for slabs, beams, and girders shall be adequate to carry the total weight of the slab-beam-girder system and any temporary construction loads to be imposed on the structural system. Shoring for a level shall not be removed until the concrete at that level has attained the specified 28 day compressive strength (f_c). Removal of shoring and/or reshoring shall not cause overstress in any structural element.

FOUNDATIONS

- Exterior footings shall bear 3'-0" minimum below finish grade and shall bear on undisturbed soil.
- Foundation and soils related work shall be performed under the direct supervision of a qualified Geotechnical Engineer.
- Foundation excavations shall be made to plan elevations. The soil conditions beneath foundations shall then be inspected by a qualified Geotechnical Engineer. If the underlying soils are found to be unacceptable, one of the following procedures shall be followed:
 - Remove the unacceptable soil and backfill with an engineered structural fill in accordance with the geotechnical engineering report or inspecting Geotechnical Engineer.
 - Lower the footing to an acceptable soil. Contact the Structural Engineer for potential modifications to the foundation system.
- Subgrade structural elements subjected to differential lateral soil pressure shall be adequately braced until the structural elements which provide lateral restraint have been placed and allowed to cure for a minimum of 7 days.
- Excavations for spread footings, combined footings, continuous footings and/or mat foundations shall be cleaned and hand tamped to a uniform surface. Foundation excavations shall be adequately protected against detrimental change in condition from disturbance, rain, freezing, etc. Surface runoff shall not be allowed to enter the excavation.
- Foundation conditions noted during construction, which differ from those described in the geotechnical report shall be reported to the Structural Engineer and Geotechnical Engineer before further construction is attempted.
- Center all column and wall footings under the column or wall above unless otherwise indicated.

CONCRETE

- Reinforced concrete has been designed in accordance with the latest edition of the Building Code Requirements for Reinforced Concrete (ACI 318) by the American Concrete Institute (ACI).
- Slabs-on-grade shall be constructed in accordance with the latest edition of the Guide for Concrete Floor and Slab Construction (ACI 302.1R).
- Mixing, transporting, and placing of concrete shall conform to the latest edition of the Standard Practice for Selecting Proportions for Normal, Heavyweight, and Mass Concrete (ACI 211.1) and the Standard Specifications for Structural Concrete (ACI 301). Concrete curing shall conform to the latest editions of the Standard Practice for Concrete Curing (ACI 308) and the Standard Specification for Curing Concrete (ACI 308.1). In case of a discrepancy, the plans and specifications shall govern.
- Unless noted otherwise, concrete shall have natural sand fine aggregate and normal weight coarse aggregates conforming to ASTM C33, and Type I or III Portland Cement conforming to ASTM C150.
- Unless noted otherwise, fly ash may be used as a pozzolan to replace a portion of the Portland Cement in a concrete mix. Fly ash, when used, shall conform to ASTM C618, Type C. Concrete mixes using fly ash shall be proportioned to account for the properties of the specific fly ash used and to account for the specific properties of the fly ash concrete thus resulting. The ratio of the amount of the fly ash to the total amount of fly ash plus cement in the mix shall not exceed 20 percent.
- Unless noted otherwise, ground granulated blast-furnace slag (GBFS) may be used to replace a portion of the Portland Cement in a concrete mix. Ground granulated blast-furnace slag, when used, shall conform to ASTM C989, Grade 100 or 120. Concrete mixes using GBFS shall be proportioned to account for the properties of the specific GBFS used and to account for the specific properties of the GBFS concrete thus resulting. The ratio of the amount of the GBFS to the total amount of GBFS plus cement in the mix shall not exceed 40 percent.
- Water-reducing admixtures conforming to ASTM C494 may be used in the concrete mix design. Maximum slump shall be 5 inches for mixes containing water-reducing admixtures and 5 to 8 inches for mixes containing high range water-reducing admixtures.
- Concrete compressive strength tests shall be performed in accordance with ASTM C39. The tests shall be performed by an independent testing company at the Owner's expense. Copies of the test results shall be forwarded to the Structural Engineer. One set of specimens shall be taken for each day's pour of appreciable size and for each 50 cubic yards in accordance with the latest edition of ASTM C31. Each set shall include one specimen tested at 7 days, 2 specimens tested at 28 days and one specimen retained in reserve. These test cylinders shall be laboratory cured.
- When the ambient temperature is expected to fall below 40 degrees during the course of a concrete pour or subsequent curing period, it shall be placed and cured in accordance with the latest edition of Cold Weather Concreting (ACI 306R) and an additional set of concrete test cylinders shall be made. These cylinders shall be stored immediately adjacent to, and cured under the same conditions as the building concrete. Special curing boxes are not permitted for these test cylinders.
- Concrete mixed, transported, placed, and cured under conditions of high ambient temperature, low humidity, solar radiation, or high winds shall conform to the latest edition of Hot Weather Concreting (ACI 305R) and an additional set of concrete test cylinders shall be made. These cylinders shall be stored immediately adjacent to, and cured under the same conditions as the building concrete. Special curing boxes are not permitted for these test cylinders.
- Slump tests shall be made prior to and following the addition of plasticizers. Where concrete is placed by pumping methods, concrete for test cylinders and slump tests shall be taken at the point of final placement.

- Water shall not be added to the concrete at the job site. The Contractor is responsible for coordinating a pumpable and workable mix without the addition of water at the job site. The use of plasticizers, retardants and other additives shall be at the option of the Contractor subject to the approval of the Structural Engineer. Follow the recommendations of the manufacturer for the proper use of additives. Use of calcium chloride or other chloride bearing salts is prohibited.
- Place concrete in a manner so as to prevent segregation of the mix. Delay floating and trowelling operations until the concrete has lost surface water sheen or all free water. Do not sprinkle free cement on the slab surface. Finishing of slab surfaces shall conform to the latest editions of ACI 302.1R and ACI 304R (Guide for Measuring, Mixing, Transporting and Placing Concrete).
- Where an epoxy adhesive is specified for bonding plastic concrete to hardened concrete, it shall conform to the latest edition of the Standard Specification for Bonding Plastic Concrete to Hardened Concrete with a Multi-Component Epoxy Adhesive (ACI 503.2).
- Maintain concrete in a moist condition for at least 5 days at ambient temperatures above 70 degrees, and at least 7 days at ambient temperatures above 50 degrees. Curing compounds or moisture retention covers shall be used for all non-formed surfaces. Formed surfaces shall be cured by leaving forms in place. During hot, dry weather, keep forms moist by sprinkling. When forms are removed prior to the end of the curing period, apply curing compound to the exposed surfaces.
- All interior slabs shall receive a hard "troweled finish". Exterior slabs, sidewalks, and stoops shall receive a "broom (or other type of slip resistant) finish". All formed surfaces not exposed to public view shall receive a "rough form finish", exposed surfaces shall receive a "smooth form finish" or patterned finish (using a form liner or other approved method) where specified. Concrete finishes shall be as defined in ACI 301.
- The Contractor shall be responsible for any difficulties in concrete finishing that may arise due to the use of the fiber reinforced concrete
- Protect finished concrete surfaces from damage, rain, hail, running water, other injurious effects.
- Protect the concrete surface between finishing operations on hot, dry days or any time plastic shrinkage cracks could develop by using wet burlap, plastic membranes or fogging.
- Construction joints at locations other than where indicated shall be submitted to the Structural Engineer for approval.
- Construction joints shall be prepared by roughening the contact surface in an approved manner to a full amplitude of approximately 1/4 inch leaving the contact surface clean and free of laitance.
- Contraction joints shall be made in concrete slabs-on-grade at major column centerlines, at points of discontinuity, at reentrant corners, and at other locations shown on the plans.
- Provide 3/4-inch chamfers on all exposed corners of concrete except those abutting masonry.
- The Contractor shall verify the location of sleeves, openings, embedded items, etc. and shall ensure that they are in place prior to the placement of the concrete.
- Earth cuts shall not be used as forms ("bank forming") for vertical or sloping surfaces unless otherwise approved by the Structural Engineer. Where bank forming is permitted, the concrete element shall be increased at least 3 inches on all sides exposed to earth to account for possible soil contamination during concrete placement.

CONCRETE SCHEDULE						
CLASS	f' _c	AIR CONTENT	MIN. CEMENT: LB/CY (SACKS/CY)	MAX. WATER: CEMENT RATIO	CONCRETE PLACEMENT	REMARKS
A	3,000 psi	OPTIONAL	423 (4.5)	0.58	FOOTINGS, PILE CAPS, GRADE BEAMS, STEM WALLS, BASE SLABS BELOW FROST LINE	
B	4,000 psi	OPTIONAL	517 (5.5)	0.48	INTERIOR SLABS-ON-GRADE	SYNTHETIC FIBERS (1.5 LB/CY)

REINFORCING STEEL

- Reinforcing bar detailing, fabricating, and placing shall conform to the latest edition of the following standards: Specifications for Structural Concrete for Buildings (ACI 301), ACI Detailing Manual (SP66). The latest editions of Concrete Reinforcing Steel Institute's Reinforcing Bar Detailing and Placing Reinforcing Bars may also be used.
- Provide standard bar chairs, slab bolsters, spacers, etc. as required to maintain concrete protection specified. Reinforcing steel shall be tied to prevent displacement during concrete placement. Pulling up of welded wire fabric in slabs-on-grade and on metal deck is not permitted.
- Reinforcement bars shall not be tack welded, welded, heated or cut unless otherwise indicated or approved by the Structural Engineer.
- Welding of reinforcement bars, when approved by the Structural Engineer, shall conform to the latest edition of American Welding Society Standard D1.4. Electrodes for shop and field welding of reinforcement bars shall conform to ASTM A233, Class E90XX.
- Synthetic fibers shall be used for temperature and shrinkage reinforcement in concrete slabs-on-ground. Synthetic fibers shall be virgin (non-recycled) nylon or polypropylene fibers conforming to ASTM C1116, Type III. Fibers shall be introduced into the mix at the plant in accordance with the manufacturer's recommendations. The Contractor shall submit the mix design, including the fiber size and quantity, to the Structural Engineer for approval prior to construction. The Contractor shall take adequate measures to manage any difficulty in concrete finishing associated with the use of the fibers.
- Concrete cover over reinforcement, unless otherwise noted, shall be as specified in the latest edition of ACI 318.
- Welded wire fabric in slabs on metal deck shall be placed anywhere from 3/4" to 1 1/4" down from the top of the slab unless otherwise noted.

CONCRETE REINFORCING STEEL LAP SPLICE SCHEDULE			
BAR SIZE	TENSION SPLICE		COMPRESSION SPLICE
	TOP BAR	OTHER	
#3	21"	16"	12"
#4	28"	24"	15"
#5	35"	30"	19"
#6	42"	36"	23"
#7	49"	42"	26"
#8	56"	48"	30"
#9	63"	57"	34"
#10	76"	66"	38"
#11	93"	72"	42"

- Unless noted otherwise, splicing of reinforcing bars shall conform to the latest edition of ACI 318.
- Horizontal bars in walls, masonry bond beams, and continuous wall footings shall be bent at corners and intersections in such a way that continuity is provided through the joint. Separate corner bars of the same size and spacing as the horizontal reinforcing may be substituted for the bent portion of the continuous bars.
- Unless noted otherwise, provide 2-#5 bars (one each face) around unframed openings and diagonally at reentrant corners of vertical height offsets in concrete walls. Place bars parallel to the sides of the opening and extend 24 inches beyond corners.
- The Contractor shall prepare detailed working or shop drawings to enable him to fabricate, erect and construct all parts of the work in accordance with the drawings and specifications and shall submit one reproducible copy and one blue line copy to the Structural Engineer for review prior to fabrication. These shop drawings will be reviewed for design concepts only. The Contractor shall be responsible for all dimensions, accuracy, and fit of work.

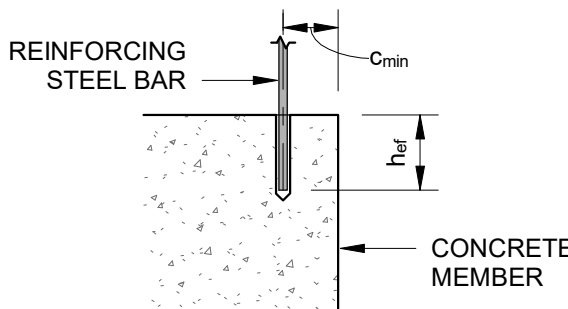
STRUCTURAL STEEL

- Structural steel detailing, fabrication and erection shall conform to the latest editions of the AISC Specification for Structural Steel Buildings, Allowable Stress Design and Plastic Design and the AISC Code of Standard Practice for Steel Buildings and Bridges.
- Erector shall maintain minimum temporary bracing at each bay in each direction until the roof diaphragm and permanent lateral load resisting system construction are complete.
- Structural steel shall be shop-painted with a rust inhibiting primer. Steel which will be exposed to weather shall be hot-dip galvanized (G90 finish). Steel that will be normally visible to the building's occupants or exposed to weather shall receive a field applied finish coat matching the existing surrounding surfaces. All abrasions caused by handling after shop painting shall be touched-up after erection is complete.
- Design connections not shown in accordance with the latest AISC Specification and Manual of Steel Construction (allowable stress design method). Design simple span non-composite beam connections not shown to support one-half the beam load capacity as given in the AISC Uniform Load Constants for Beams Laterally Supported tables. Connection angles shall be double web angles, 5/16" minimum thickness.
- Unless otherwise noted, bolted connections for structural steel members shall be bearing-type using 3/4" diameter ASTM A325 high strength bolts with standard 13/16" diameter holes tightened to the snug tight condition. Bolted wind brace connections shall be slip-critical-type (SC) using 3/4" diameter ASTM A325 high strength bolts with oversized 15/16" diameter holes tightened using the turn-of-nut method unless noted otherwise.
- High strength bolted connections shall conform to the latest edition of the Specification for Structural Joints Using ASTM A325 or A490 Bolts, approved by the Research Council on Structural Connections of the Engineering Foundation. Faying surfaces of slip-critical-type (SC) connections shall be free of paint and meet the minimum requirements for a Class A surface condition (mean slip coefficient not less than 0.33).
- Welding procedures shall conform to the latest edition of the American Welding Society's (AWS) Structural Welding Codes for: Steel ANSI/AWS D1.1 and Sheet Steel ANSI/AWS D1.3, and Reinforcing Steel ANSI/AWS D1.4.
- Welded connections using ASTM A572 and A992 steel as a base metal shall be made with E70XX Low Hydrogen electrodes. Unless otherwise noted, other welded connections shall be made with regular E70XX electrodes. Welding shall be performed only where shown and to the extent indicated.
- Field drilled holes shall be reamed, cleaned and deburred prior to assembly of the connection.
- Thermal cutting shall preferably be done by machine. Hand thermally cut edges which will be subjected to substantial stress, or which are to have weld metal deposited on them, shall be reasonably free from notches or gouges. Notches or gouges greater than 3/16" that remain from cutting shall be removed by grinding. Re-entrant corners shall be shaped notch-free to a radius of at least 1/2".
- Surfaces within 2" of any field weld shall be free of materials that would prevent proper welding or produce toxic fumes while welding is being done.
- Splicing of structural steel members where not detailed is prohibited without the prior approval of the Structural Engineer as to location, type of splice and connection to be made.

POST-INSTALLED EXPANSION/ADHESIVE ANCHORS

- Post-installed anchors shall only be used where specified on the Construction Documents. The Contractor shall obtain approval from the Structural Engineer prior to installing the post-installed anchors in place of missing or misplaced cast-in-placed anchors.
- Care shall be taken in placing post-installed anchors to avoid conflicts with existing reinforcing steel.
- Post-installed anchors shall be installed by qualified personnel in accordance with the Manufacturer's Printed Installation Instructions (MPII), the drawings and specifications. Installation of post-installed anchors shall be performed by personnel trained by manufacturers' representatives to install adhesive anchors. Contractor shall submit installer training cards with anchor package.
- Post-installed anchors shall be HILTI type as manufactured by HILTI. Substitution requests for alternate products must be submitted by the Contractor to the Structural Engineer for review. Provide back-up technical data that demonstrates that the substituted product is capable of achieving the equivalent performance values (minimum) of specified products using the appropriate design procedure and/or standard(s) as required by the building code.
 - The Contractor shall inspect the masonry or concrete surface at each proposed post-installed anchor location prior to installation. If the anchor locations align with mortar joints or the masonry or concrete is honeycombed, cracked or otherwise unsound, the anchors shall be repositioned so as to be located in sound material and be in accordance with the manufacturer's minimum spacing and edge distance requirements.
- Anchors shall be subject to the following additional requirements:
 - Anchors shall meet the requirements of ACI 355.2 (mechanical anchors) and ACI 355.4 (adhesive anchors).
 - Anchors shall not be installed in concrete that has cured less than 28-days unless receiving prior approval from the Structural Engineer.
 - Anchors shall not be installed until the concrete has reached a minimum compressive strength of 2,500 psi.
 - Concrete temperature must be within the permitted range included in the MPII.
 - Anchors shall be installed in holes drilled with the HILTI Hollow Drill Bit (TE-CD (SDS Plus) or TE-YD (SDS Max)) and HILTI VC 150/300 Vacuum. Follow the MPII for size and depth of holes required.
 - Adhesive anchors installed in horizontal or upwardly inclined orientations to resist sustained tension loads shall be continuously inspected during installation by an inspector specially approved for that purpose by the building official. The special inspector shall furnish a report to the licensed design professional and building official that the work covered by the report has been performed and that the materials used and the installation procedures used conform to the approved contract documents and MPII.

REINFORCING STEEL EPOXY DOWEL SCHEDULE							
BAR SIZE	#3	#4	#5	#6	#7	#8	
STANDED EFFECTIVE EMBED, h _{ef}	3-3/8"	4-1/2"	5-5/8"	6-3/4"	7-7/8"	9"	
MINIMUM EDGE DISTANCE, c _{min}	2"	2-1/2"	3-1/8"	3-3/4"	4-3/8"	5"	



TYPICAL EPOXY DOWEL

NOTES:

- EPOXY DOWELS SHALL UTILIZE HILTI HIT-HY 200 ADHESIVE SYSTEM OR APPROVED EQUIVALENT
- STANDARD EMBED DEPTH AND MIN EDGE DISTANCES PROVIDED IN THIS SCHEDULE APPLY AT ALL LOCATIONS UNLESS OTHERWISE NOTED ON SECTIONS AND DETAILS.

WOOD FRAMING

- Structural lumber shall be detailed, fabricated and erected in accordance with the latest editions of the Timber Construction Manual by the American Institute of Timber Construction (AITC) and the National Design Specification for Wood Construction by the American Forest & Paper Association (ANSI/NFPA NDS).
- Bolts, lag screws, nails and other wood fastenings, unless otherwise noted, shall conform to the latest edition of the National Design Specification for Wood Construction. Standard cut washers shall be used between the wood and bolt head and the wood and nut.
- All nails are common nails unless noted otherwise. All nails shall be carefully driven and not overdriven. Submit all proposed fasteners for approval prior to construction. Installation of all fasteners shall meet the requirements of NDS and ISANTA guidelines, including those in ESR 1539, and Section 2303.6 of the IBC.
- All exposed framing and wood members in contact with concrete or masonry shall be pressure preservative treated wood (PPT) as described in the Specifications. All PPT wood to be kiln dried after treatment (KDAT). Hardware used with PPT wood to be hot-dip galvanized or stainless steel.
- Rough sawn timbers shall be treated and finished where specified. Ends exposed to weather shall be treated with CCA.
- Connections not specifically detailed herein shall be per Table 2304.9.1 of the 2012 International Building Code.
- Truss load carrying capacities, repair design and details were based on an assumed structural lumber species and grade of Southern Pine, No. 2.
- Coordinate final floor and roof framing including joist or truss layout & truss member configuration with Mechanical, Electrical, & Plumbing (MEP) drawings. Obtain additional MEP information as needed for complete coordination. Keep all mechanical chases free of framing. Do not locate joists or trusses at parallel plumbing walls.

DESIGN

Building Code:	Indiana Building Code, 2014 Edition (2012 International Building Code, first printing, with Indiana Amendments)		
Soil information:	Allowable net bearing pressure:	3,000 psf (assumed)	
	Spread footings	2,500 psf (assumed)	
	Continuous wall footings		
Concrete:	28 day compressive strength (f _c)	see schedule	
Reinforcing steel (deformed bars of new billet steel):	Stirrup and tie	ASTM A615, Grade 60	
	Weldable (Low-Alloy)	ASTM A706, Grade 60	
	Otherwise	ASTM A615, Grade 60	
	Welded wire fabric (smooth)	ASTM A185	
	Welded wire fabric (deformed)	ASTM A497	
Structural Steel:	Structural tubing members	ASTM A500, Grade B, Fy = 46 ksi	
	Structural steel pipe members	ASTM A53, Type E or S, Grade B, Fy = 35 ksi	
	Structural steel rolled wide flange W shapes	ASTM A992, Fy = 50ksi	
	(as an alternate,	ASTM A572, Grade 50 may be used)	
	Structural steel rolled S, M, and HP shapes & channels	ASTM A36	
	Structural steel rolled plates & angles	ASTM A36	
	All other members	ASTM A36	
	Connection bolts	ASTM A325N	
	Anchor bolts	ASTM A36	
	Stainless steel members	ASTM A493, Fy = 60 ksi	
Structural Lumber (surfaced dry, used at 19% moisture content):	Decking	Southern Pine, No. 2	
	Bolts/Lag Screws	ANSI/ASME B18.2	
	Nails	FF-N-105B	
Plywood/Performance Rated Panels:	Roof:		
	Span Rating	32/16	
	Thickness	1/2"	
	Exposure	1	
	IBC Grade	2-M-W	
Non-shrink grout:	28 day compressive strength	8,000 psi	
Live loads:	Roof:	20 psf	
Wind loads:	Basic wind speed [(3-second gust)]	115 mph	
	Importance factor, I _w	1.0	
	Exposure	B	
Seismic loads:	Seismic zone	1.0	
	Importance factor	1.0	
	Mapped MCE Seismic Spectral Response Acceleration at Short Periods, S _s	18.0% g	
	Mapped MCE Seismic Spectral Response Acceleration at 1 Second, S ₁	8.1% g	
	Site Class	D (assumed)	
	Seismic Design Category	B	



SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

Project # : 25-197

Designed By: JRS

Drawn By: JRS

Checked By: LKL

Date: 08/28/2026

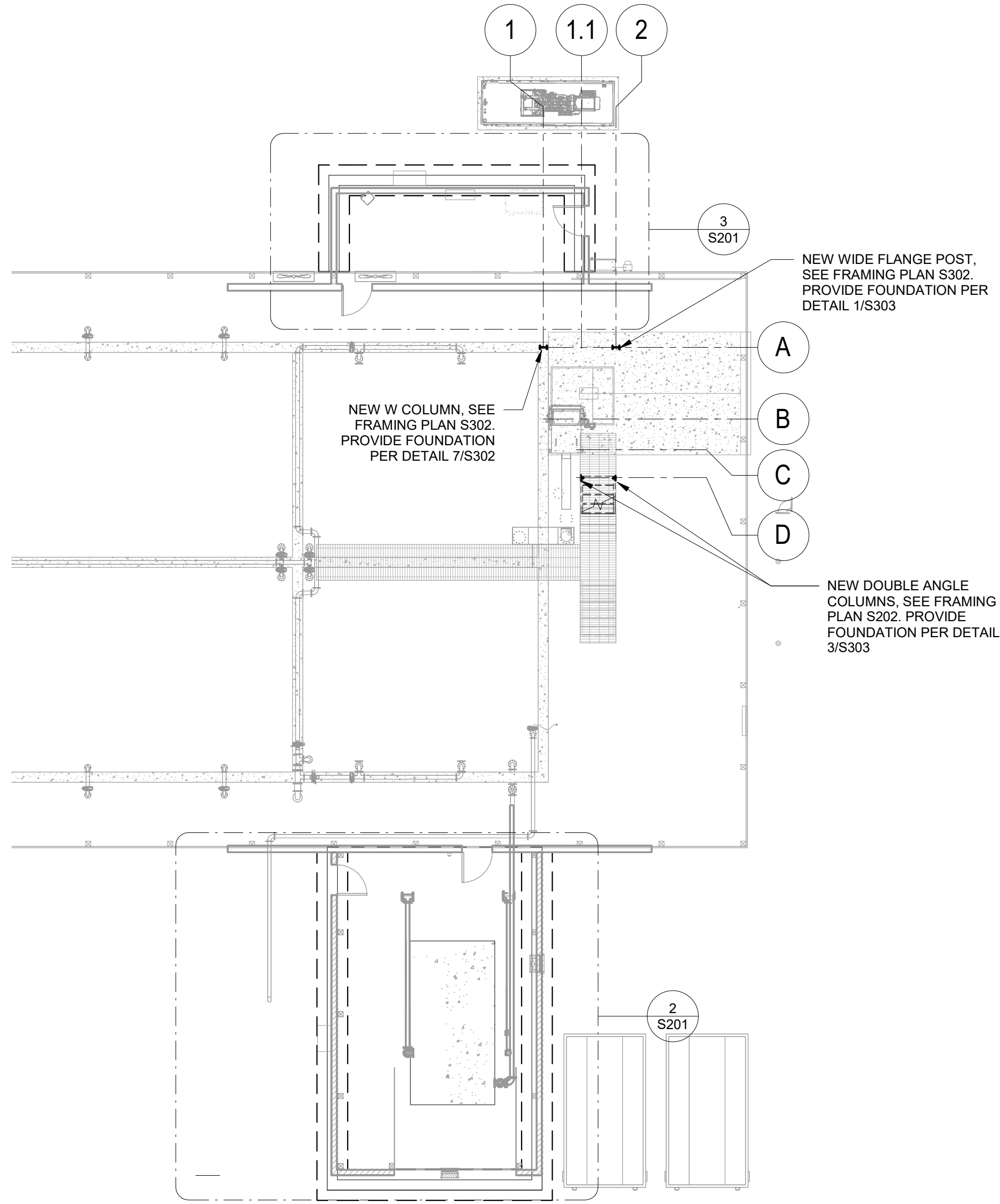
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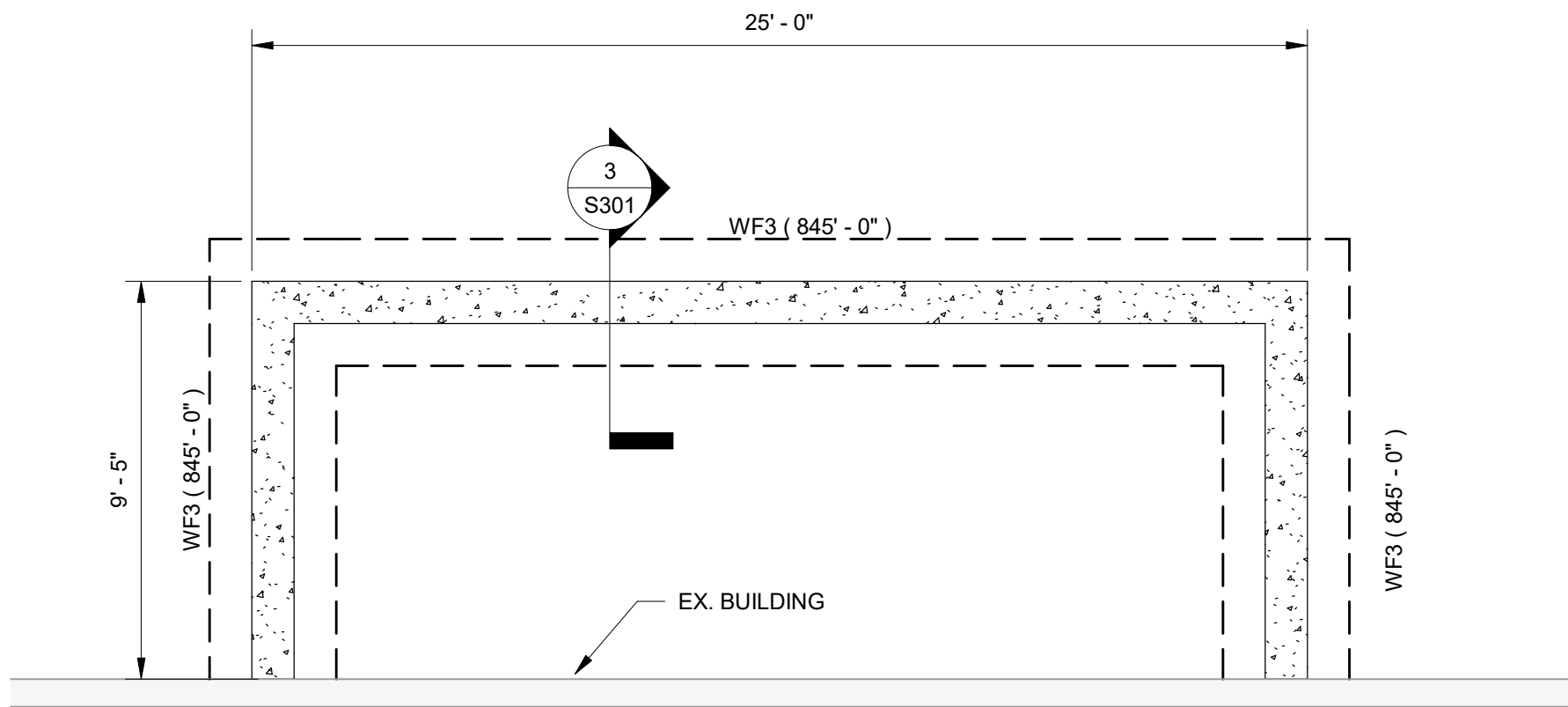
Lauren Lai

GENERAL STRUCTURAL NOTES

S101



1 OVERALL WORK PLAN

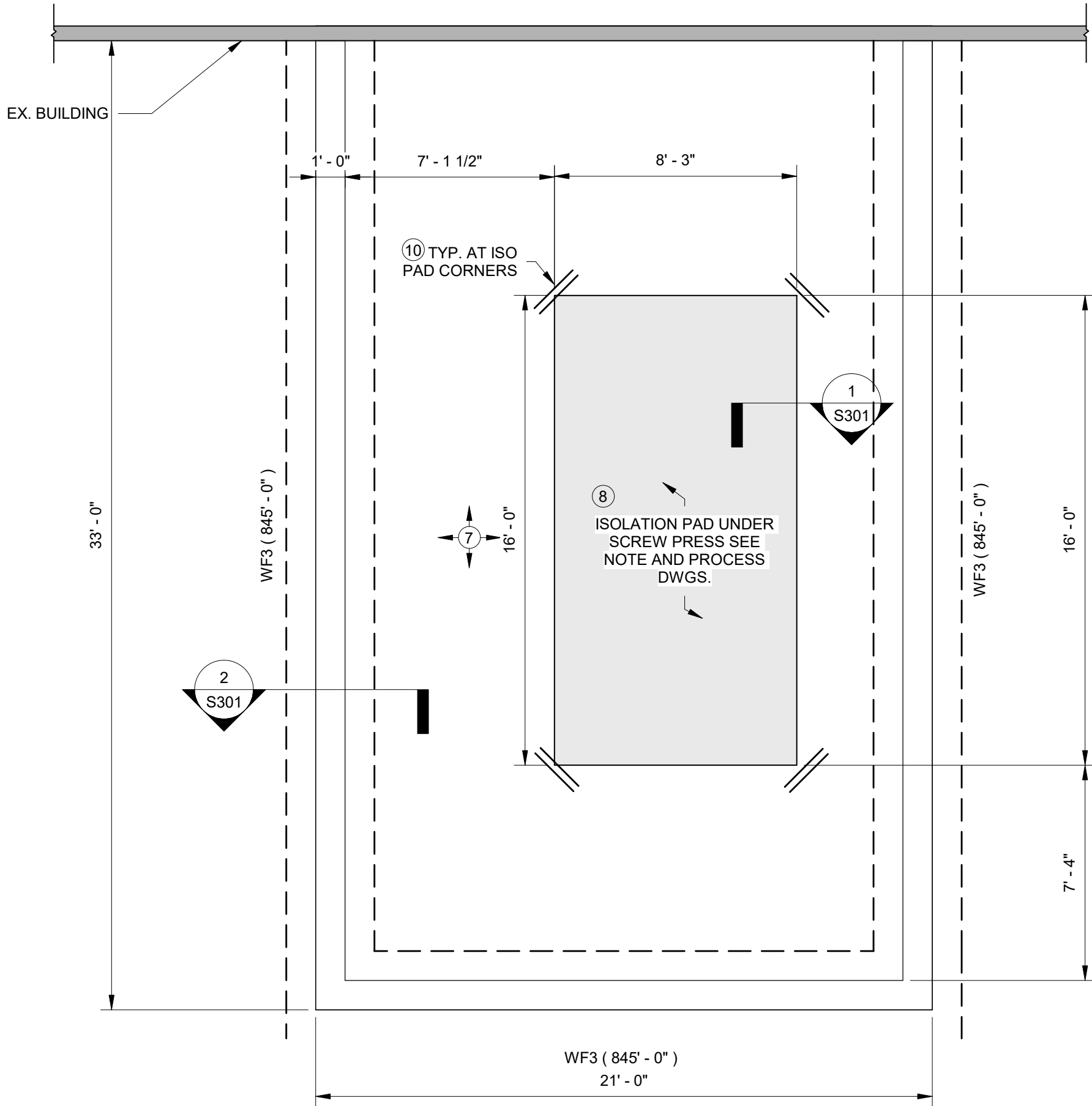


3 ELECTRICAL BUILDOUT FOUNDATION PLAN

2 SCREW PRESS BUILDOUT FOUNDATION PLAN

- FOUNDATION PLAN NOTES
- INDICATES NOTE REFERENCED IN PLAN
- SEE GENERAL STRUCTURAL NOTES (S101) FOR ADDITIONAL INFORMATION.
 - T/SLAB ELEVATION = +848'-0" STRUCTURAL DRAWINGS, UNLESS NOTED OTHERWISE
T/FOOTING ELEVATION = SEE PLAN AND SCHEDULE
T/PEDESTAL ELEVATION = SEE PLAN AND SCHEDULE
 - SEE SITE PLAN FOR ALL FINAL GRADE ELEVATIONS. REFER TO THE CIVIL DRAWINGS FOR THE EXACT ELEVATION FOR THE FINISH FLOOR. ELEVATIONS SHOWN ON THE STRUCTURAL DRAWINGS DO NOT ESTABLISH THE EXACT ELEVATION OF THE BUILDING WITH RESPECT TO SEA LEVEL.
 - FX (X'-X") OR WFX (X'-X") DENOTES FOOTING MARK AND ELEVATION, SEE FOOTING SCHEDULES.
 - ALL EXTERIOR FOOTINGS ARE TO BEAR A MINIMUM 3'-0" BELOW FINISH GRADE.
 - ALL FOOTINGS ARE CENTERED BENEATH BEARING WALLS AND COLUMNS UNLESS NOTED OTHERWISE.
 - FLOOR SLAB SHALL CONSIST OF A 6-INCH CONCRETE SLAB-ON-GROUND OVER 6-INCHES OF COMPACTED AGGREGATE FILL AND A 10-MIL VAPOR RETARDER. REINFORCE SLAB WITH FIBER REINFORCEMENT PER CONCRETE SCHEDULE
 - ISOLATION PAD SHALL CONSIST OF A 12-INCH CONCRETE SLAB-ON-GROUND OVER 10-INCHES OF COMPACTED AGGREGATE FILL AND A 10-MIL VAPOR RETARDER. REINFORCE SLAB PER SECTION
 - MAINTAIN SLAB THICKNESSES AT ALL FLOOR SLOPES AND DEPRESSIONS.
 - AT RE-ENTRANT SLAB CORNER CONDITIONS, PROVIDE (2) #4 x 4'-0" LONG AT 3-INCHES O.C. PLACED 2-INCHES CLEAR FROM CORNER, CENTERED IN SLAB, TYPICAL.
 - GENERAL CONTRACTOR MAY SUBMIT ALTERNATE CONSTRUCTION / CONTRACTION JOINT PLAN TO ACCOMMODATE CONSTRUCTION. APPROVAL IS REQUIRED ON ALTERNATE PLANS PRIOR TO CONSTRUCTION.
 - ALL FLOOR SLABS SHALL CONFORM TO THE FOLLOWING ACI F-NUMBER REQUIREMENTS:
SPECIFIC OVERALL VALUE: F1-30 / F1-20
MINIMUM LOCAL VALUE: F1-15 / F1-10

WALL FOOTING SCHEDULE					
MARK	WIDTH	LENGTH	THICK	BOTT. LONG. REINF.	BOTT. TRANS. REINF.
WF3	3'-0"	CONT.	1'-0"	3 - #5	#5 AT 12" O.C.



SWEETSER WASTEWATER
IMPROVEMENTS

SWEETSER, INDIANA, 46987

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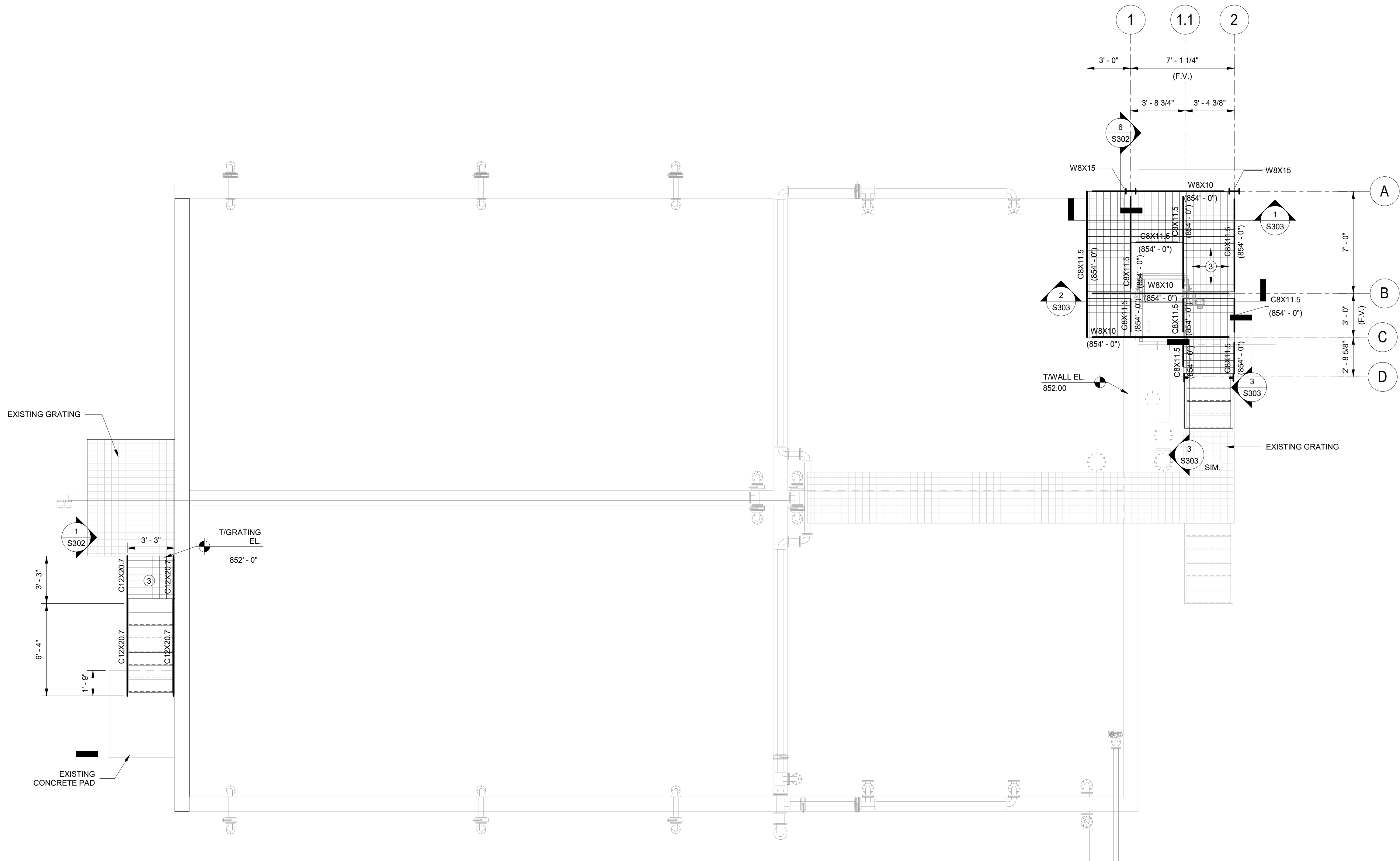
Date: 08/28/2026

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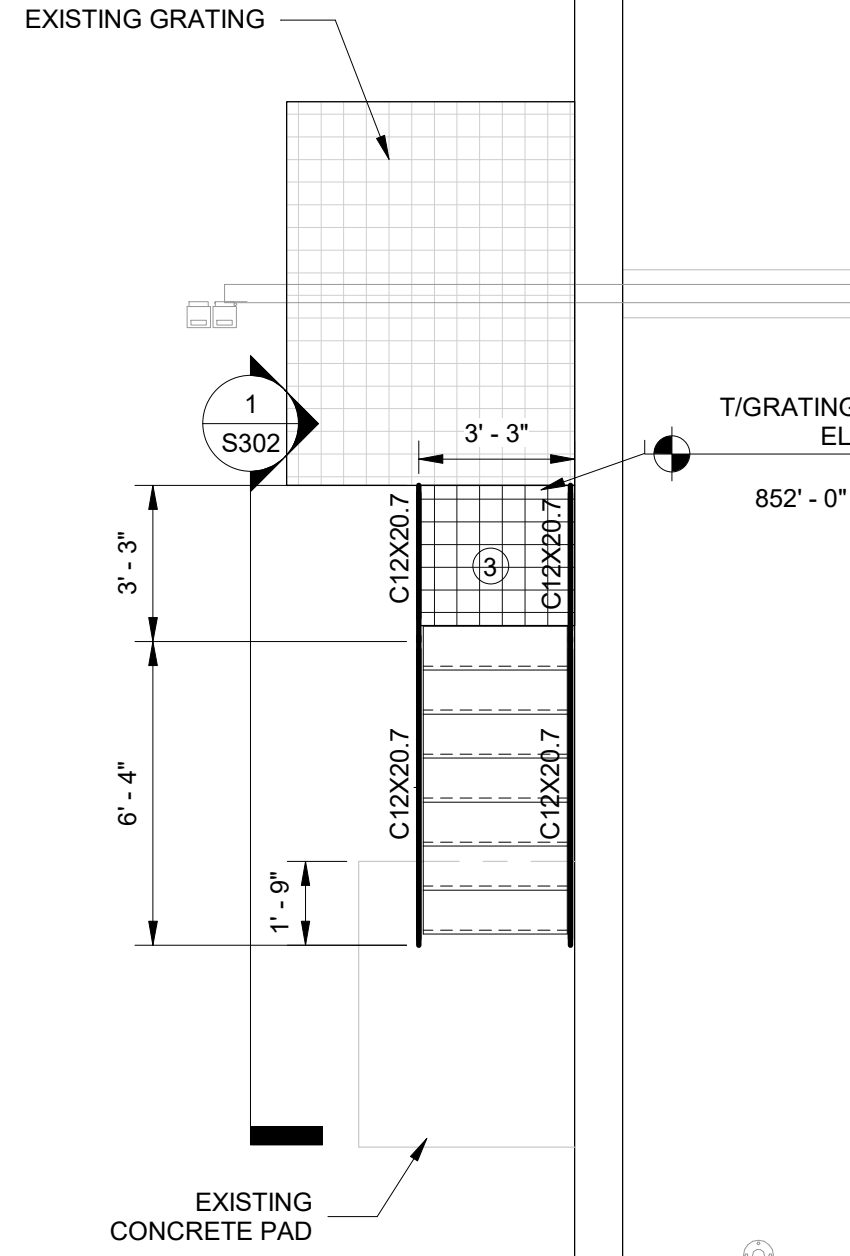


FOUNDATION /
SLAB-ON-GRADE PLAN

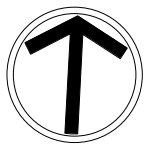
S201



- FRAMING PLAN NOTES**
- INDICATES NOTE REFERENCED IN PLAN
 - 1. SEE GENERAL STRUCTURAL NOTES (S101), TYPICAL FRAMING DETAILS (S104), AND TYPICAL MASONRY DETAILS (S103) FOR ADDITIONAL INFORMATION.
 - 2. ALL STRUCTURAL STEEL EXPOSED TO WEATHER SHALL BE HOT-DIP GALVANIZED PER SPECIFICATIONS.
 - ③ 2" THICK MOLDED FIBER REINFORCED PLATFORM GRATING EXTENTS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION
 - 4. STAIR TREADS SHALL BE 2" THICK PULTRUDED FIBER REINFORCED POLYMER GRATING UNLESS OTHERWISE NOTED. CONTRACTOR SHALL DETERMINE REQUIRED STAIR STRINGER RISE/RUN LAYOUT. SEE DETAIL 6/S302 AND TYPICAL STAIR DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.



1
S202
WALKWAY PLAN
1/4" = 1'-0"



SWEETSER WASTEWATER IMPROVEMENTS

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WALKWAY PLAN

S202

SWEETSER WASTEWATER
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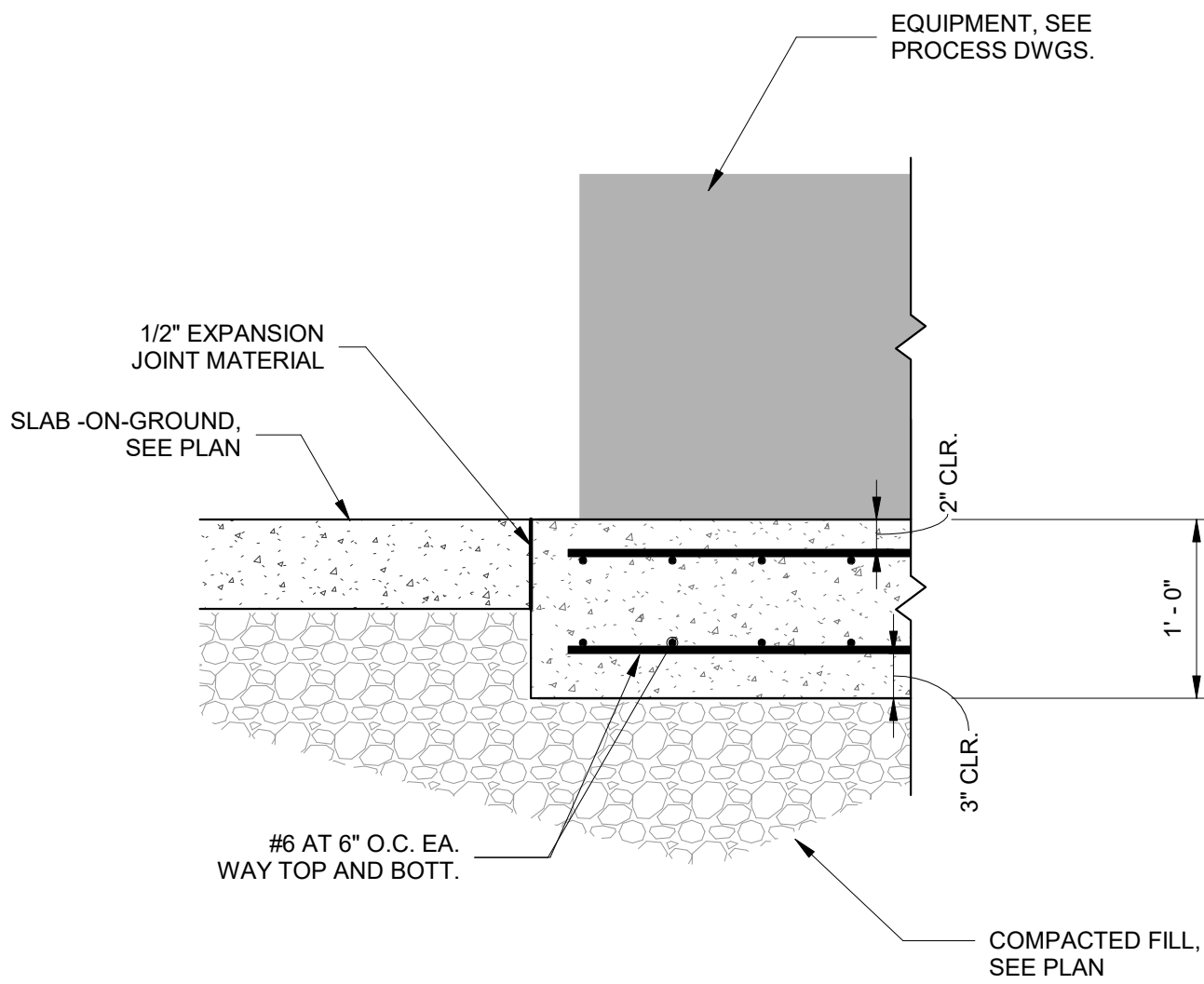
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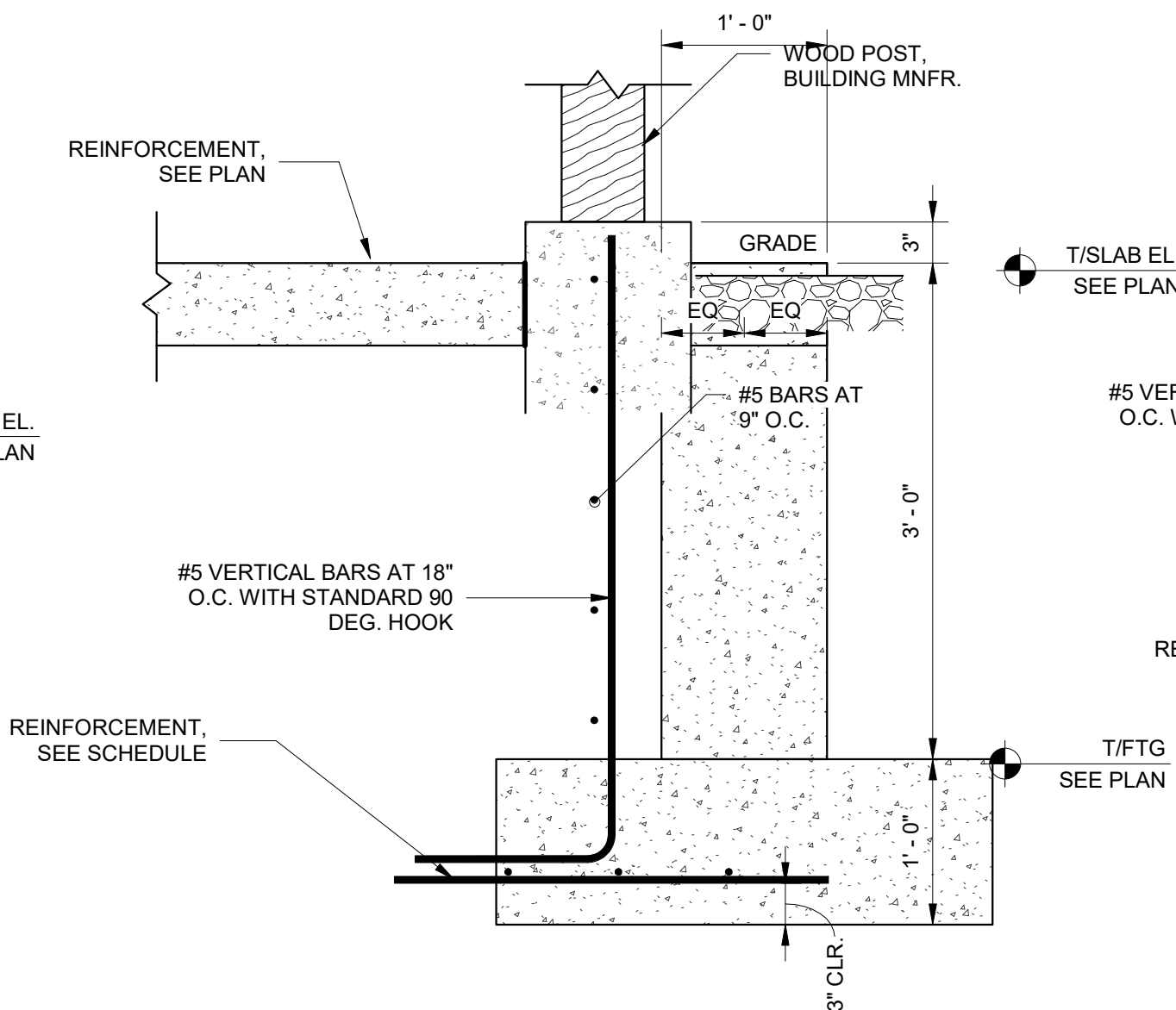


FOUNDATION
SECTIONS AND
DETAILS

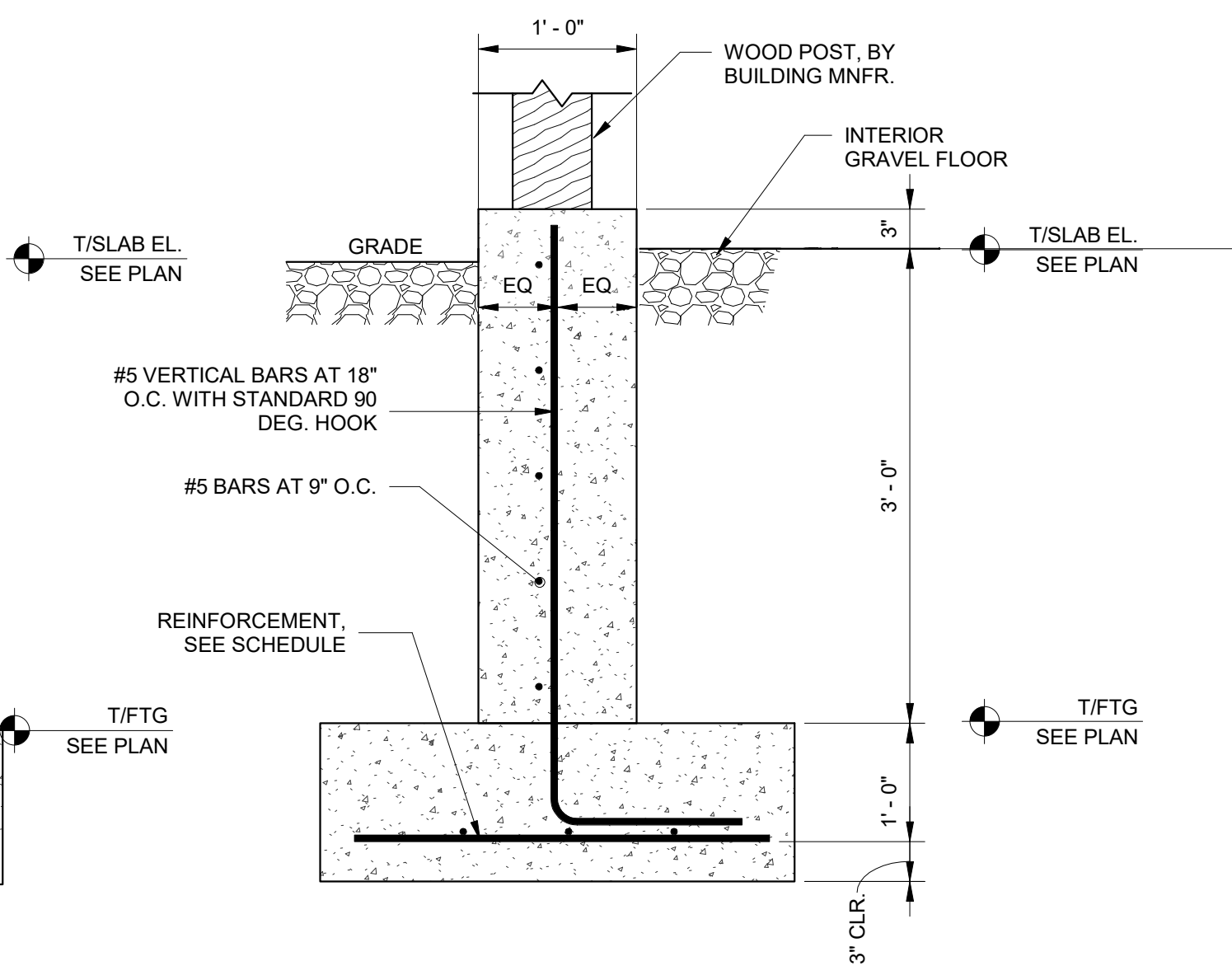
S301



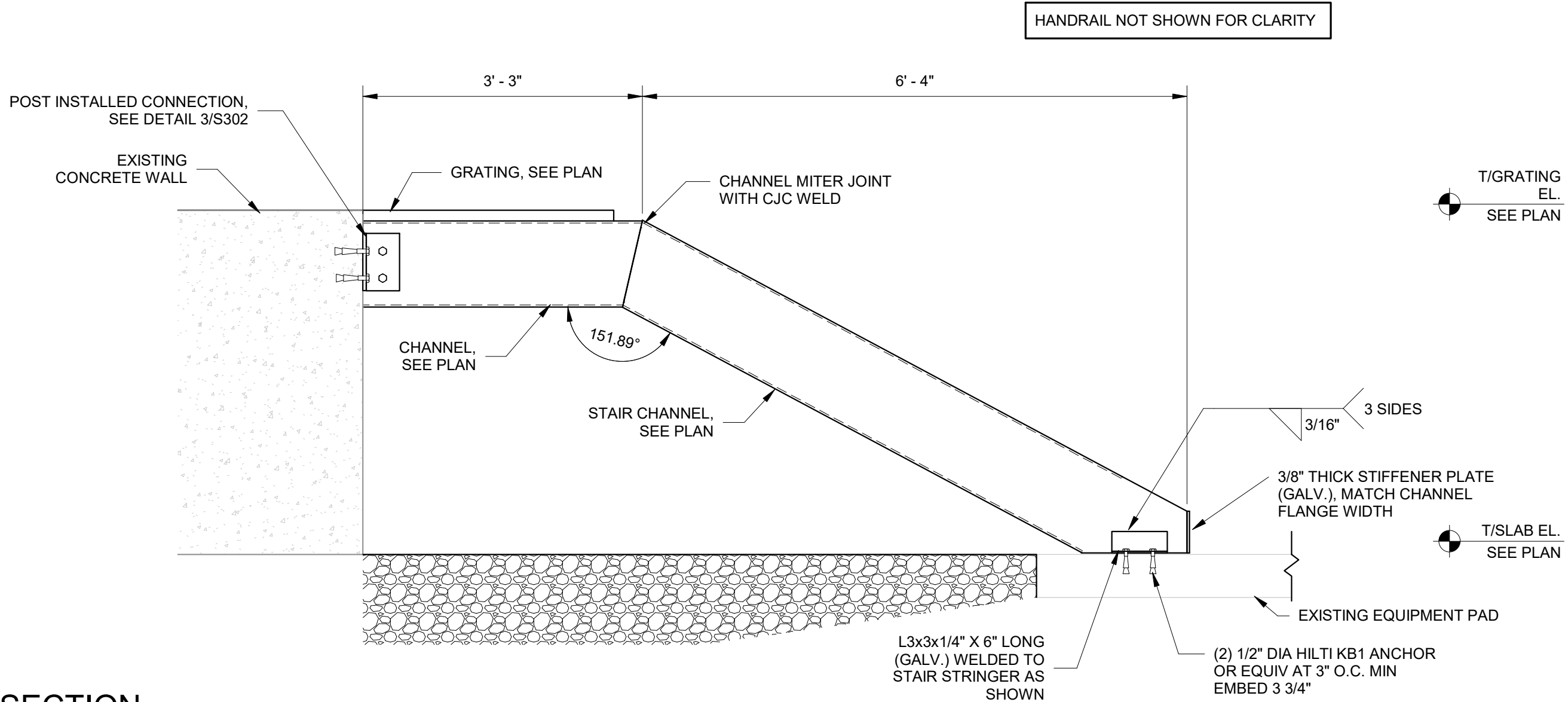
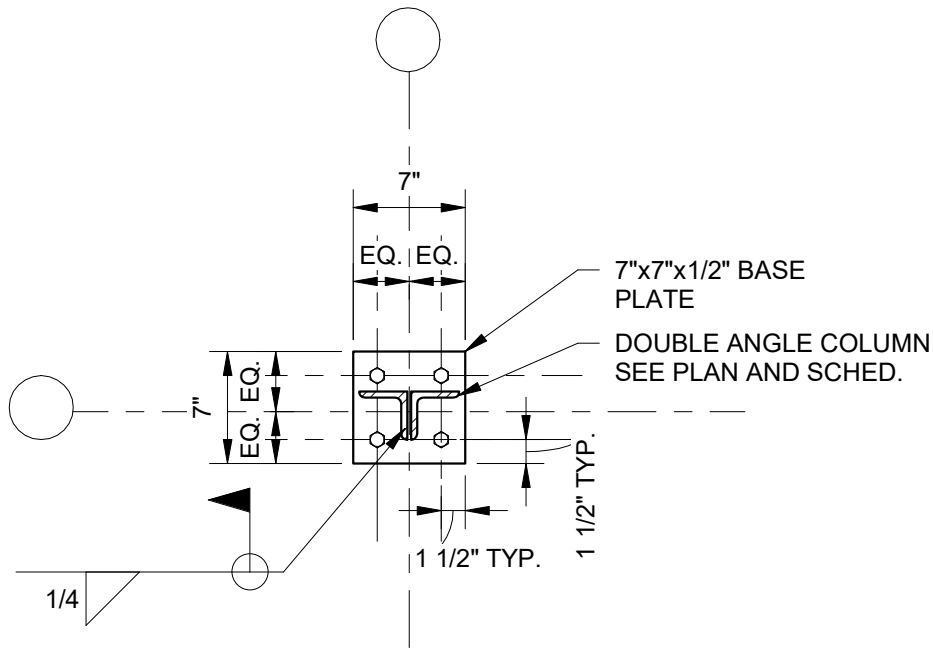
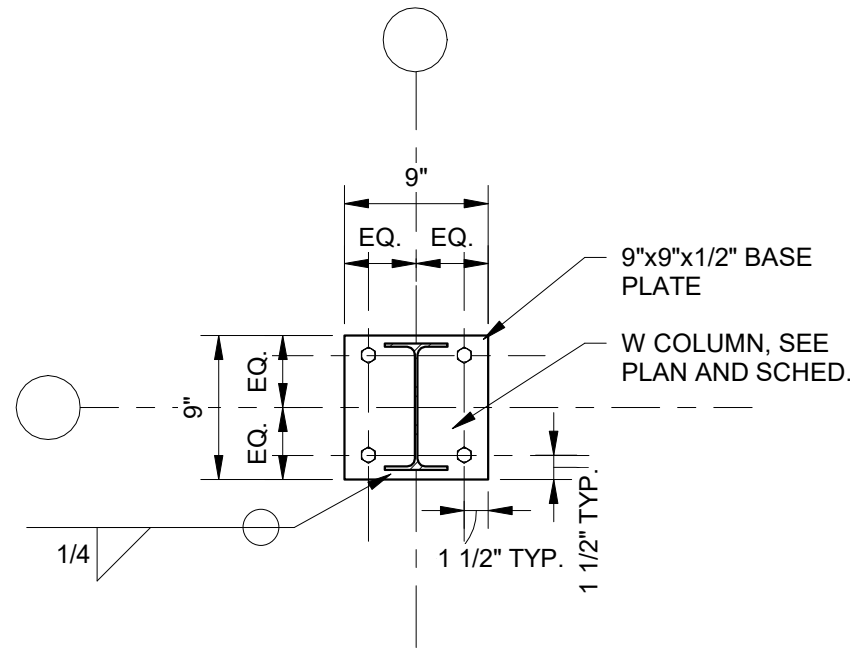
1 SECTION AT ISOLATION PAD
S301 1" = 1'-0"



2 SECTION
S301 1" = 1'-0"



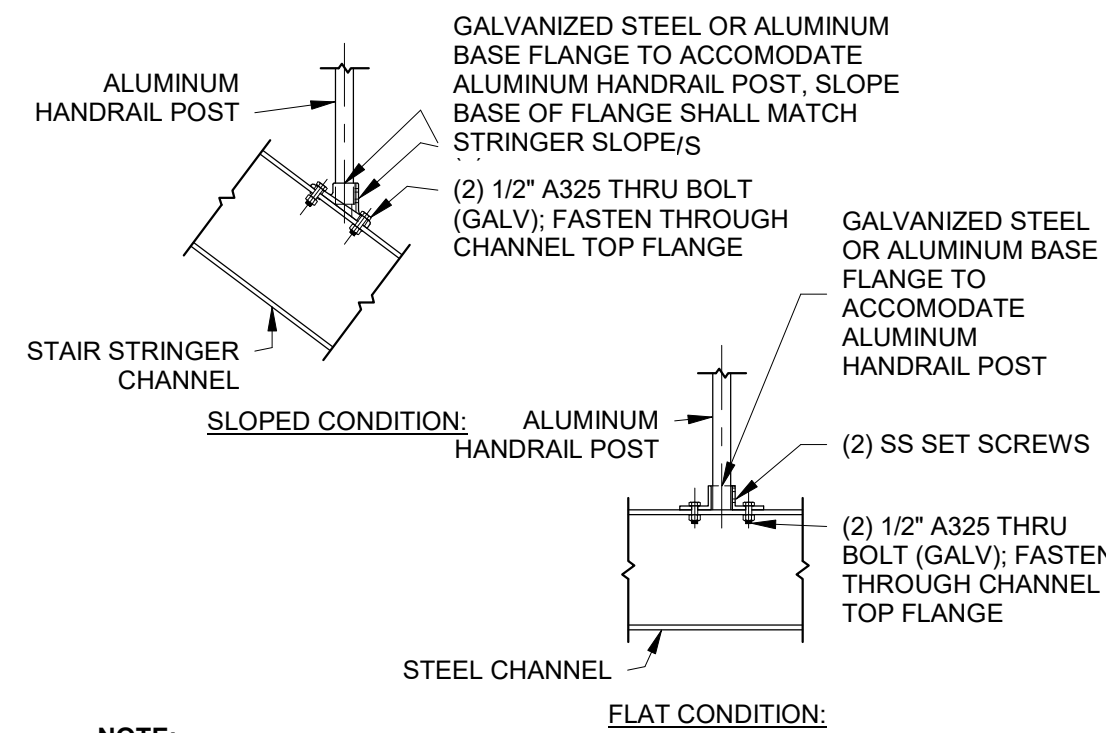
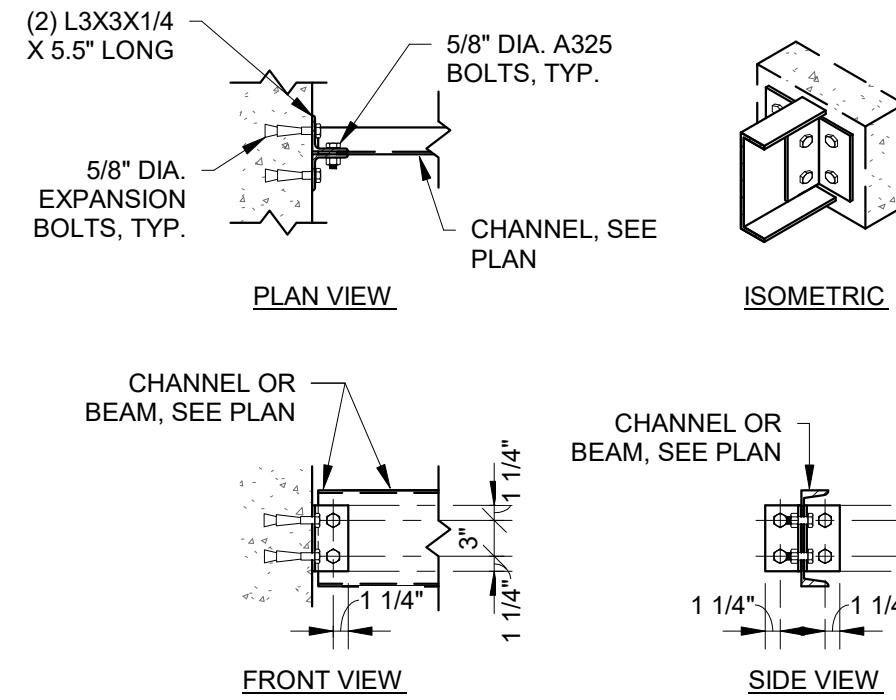
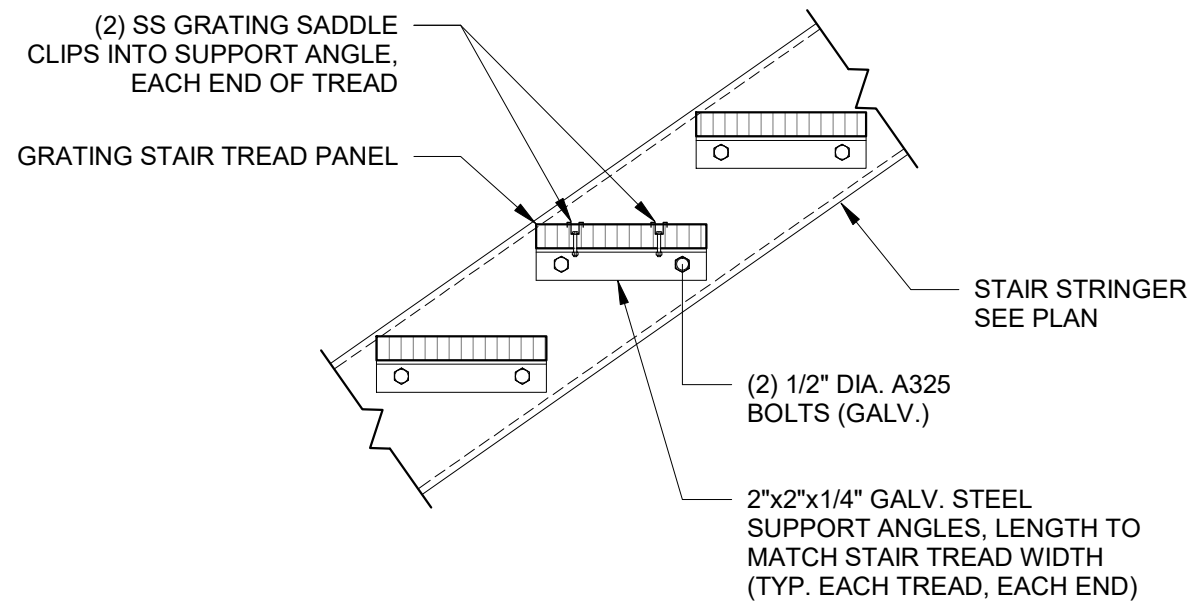
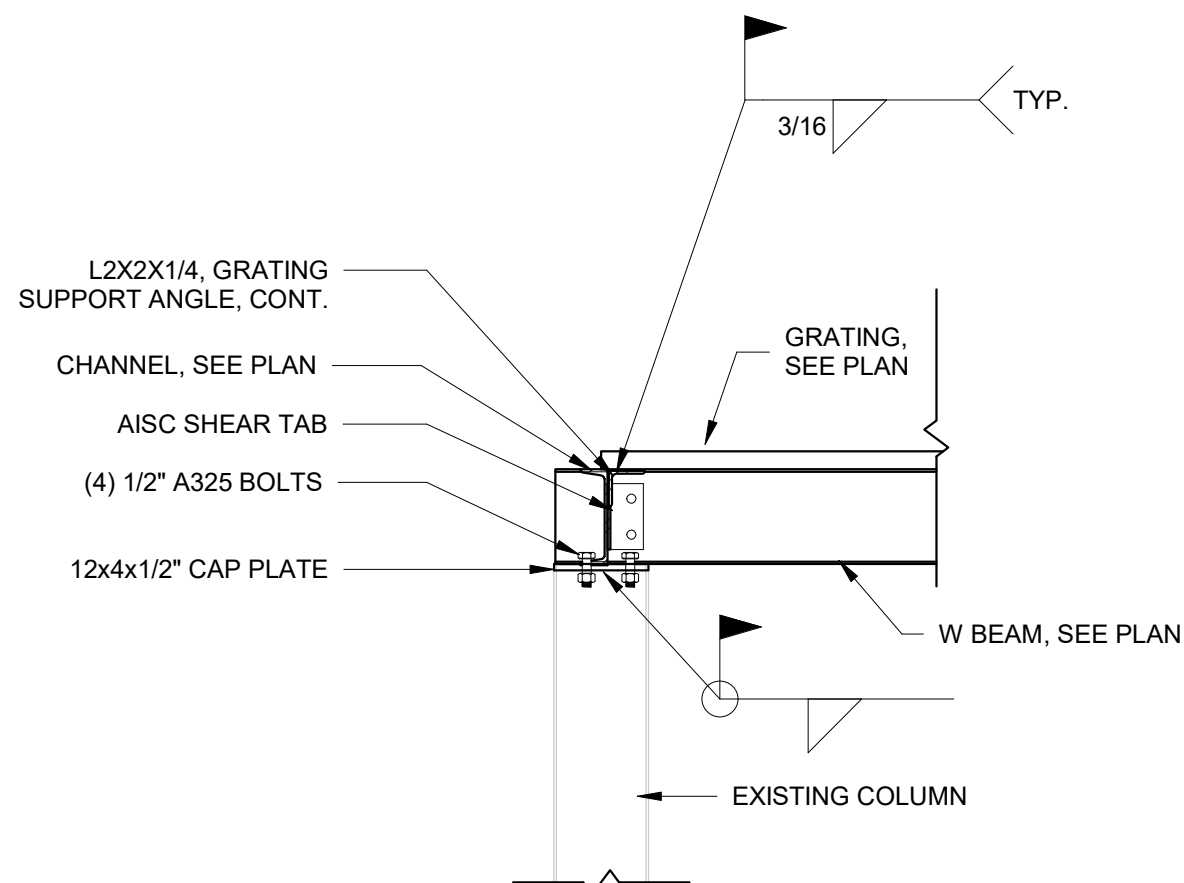
3 SECTION
S301 1" = 1'-0"



7
S302
BASE PLATE DETAIL
1" = 1'-0"

4
S302
BASE PLATE DETAIL
1" = 1'-0"

1
S302
SECTION
3/4" = 1'-0"

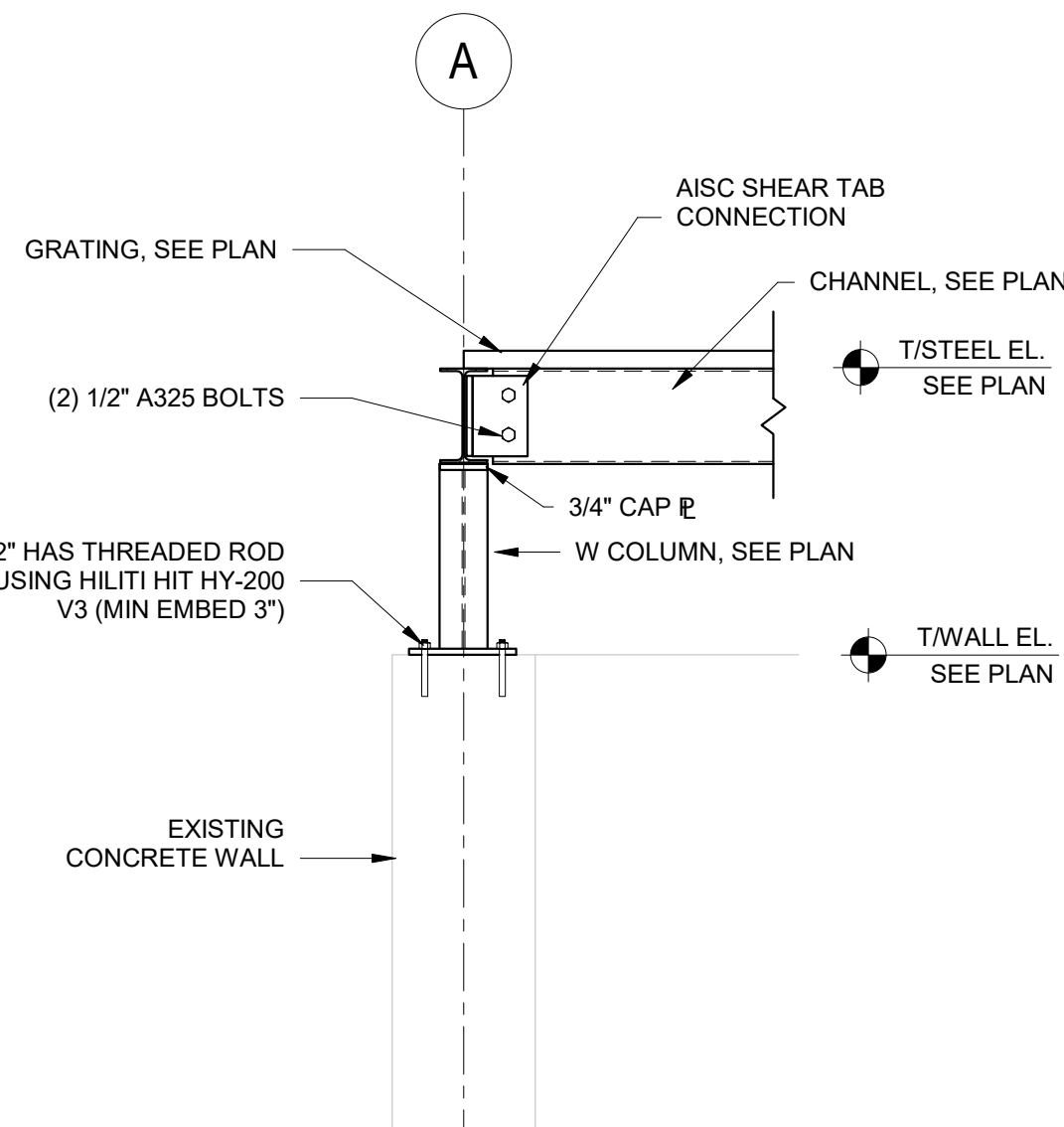
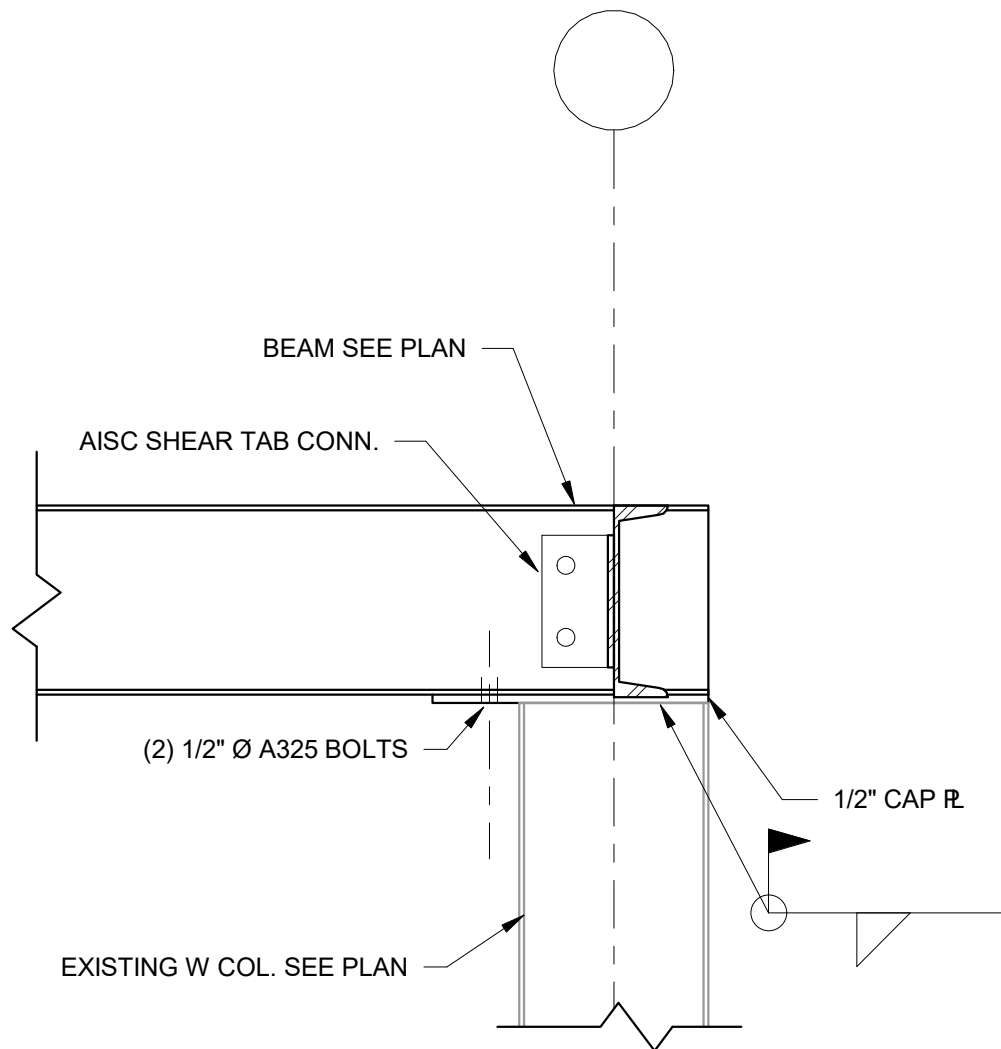


8
S302
SECTION
3/4" = 1'-0"

5
S302
TYP. STAIR TREADS
1" = 1'-0"

3
S302
TYP. CHANNEL TO WALL
3/4" = 1'-0"

2
S302
HANDRAIL BASE FLANGE - AT STEEL
3/4" = 1'-0"



9
S302
BEAM TO W COLUMN CONNECTION
1 1/2" = 1'-0"

6
S302
SECTION
3/4" = 1'-0"

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

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WALKWAY SECTIONS AND DETAILS

S302

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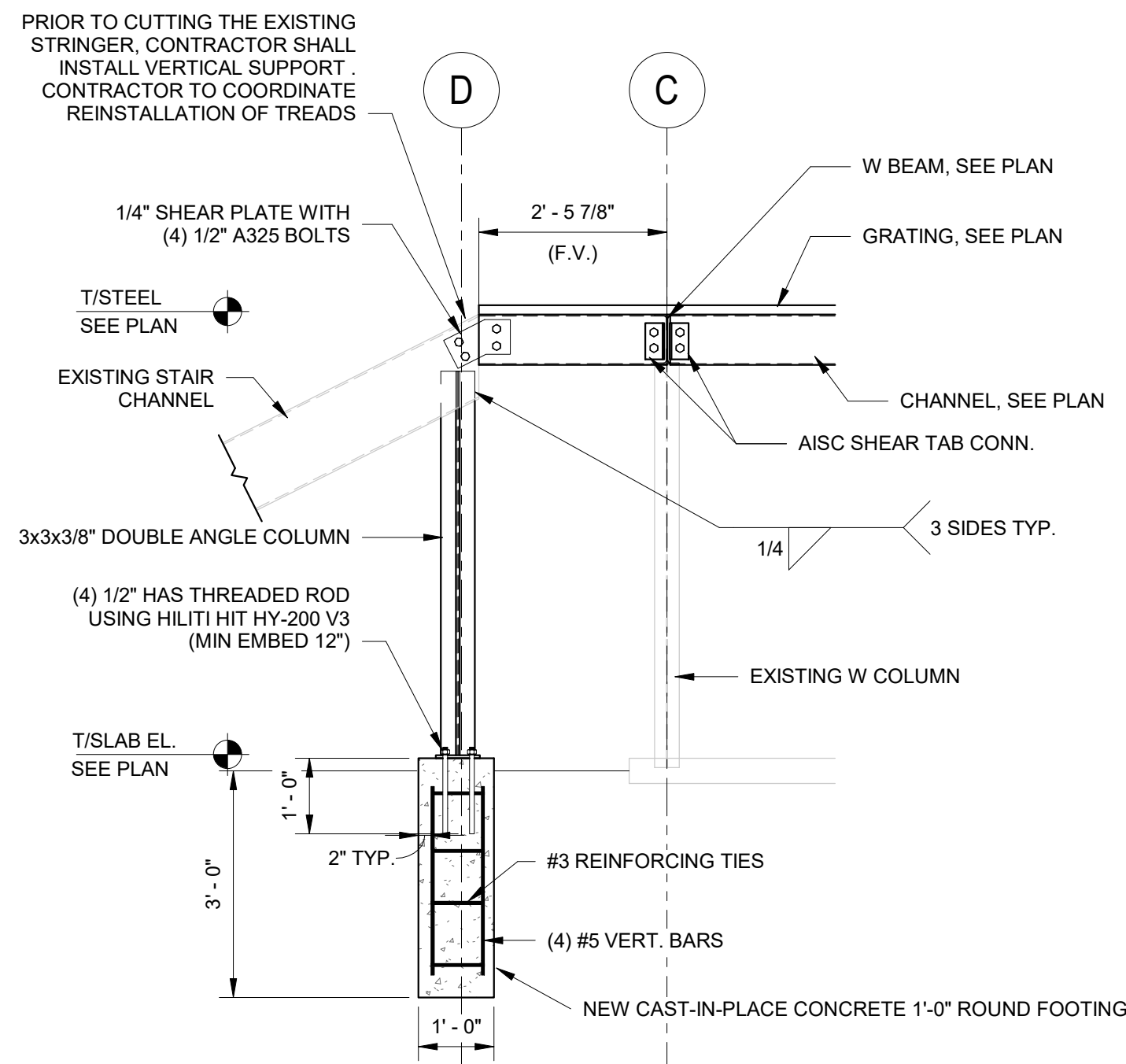
Date: 08/28/2026

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WALKWAY SECTIONS AND DETAILS

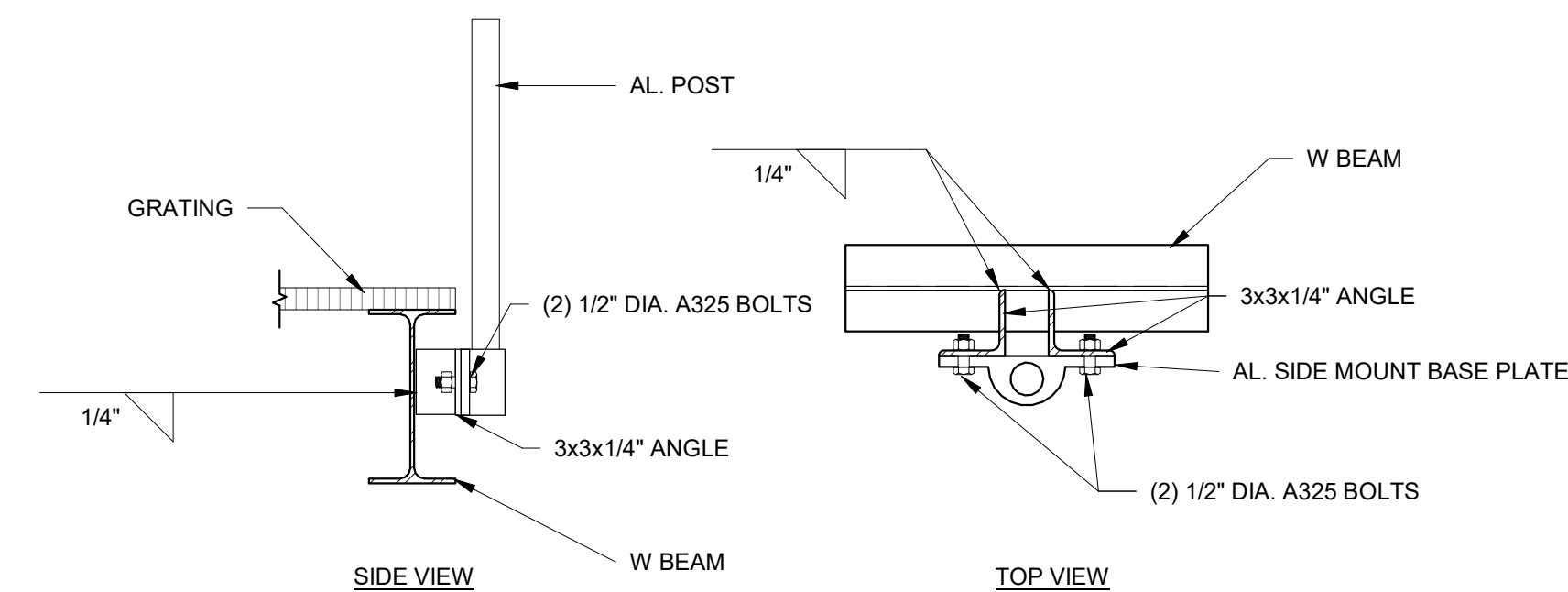
S303



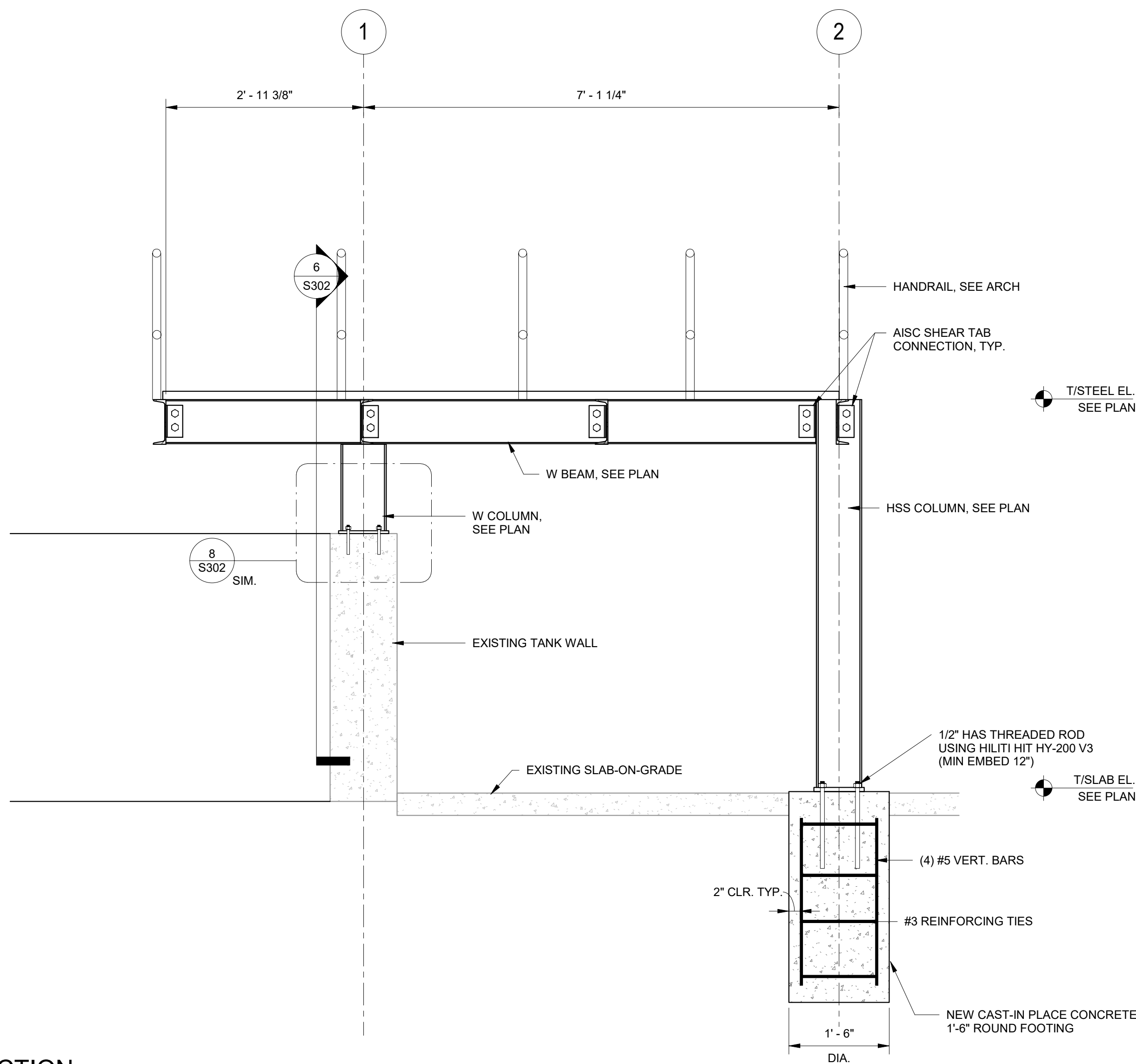
SECTION
3 S303 1/2" = 1'-0"

NOTE:

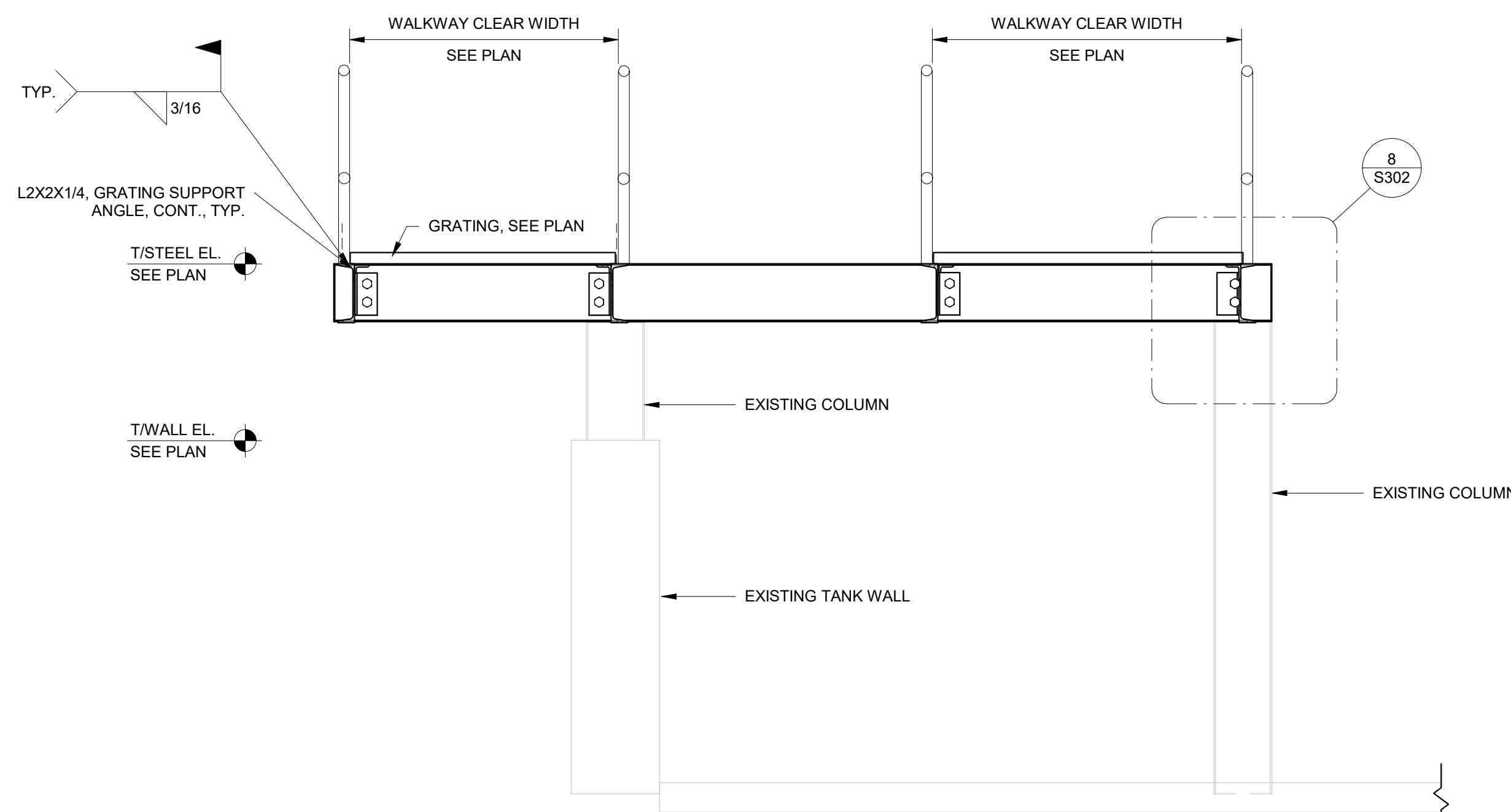
1. ALUMINUM SURFACES IN CONTACT WITH CONCRETE, GROUT, OR DISSIMILAR METALS SHALL BE PROTECTED WITH A COAT OF BITUMINOUS PAINT, MYLAR ISOLATORS OR OTHER APPROVED MATERIAL.



HANDRAIL TO W-BEAM
4 S303 1 1/2" = 1'-0"



SECTION
1 S303 3/4" = 1'-0"



SECTION
2 S303 3/4" = 1'-0"

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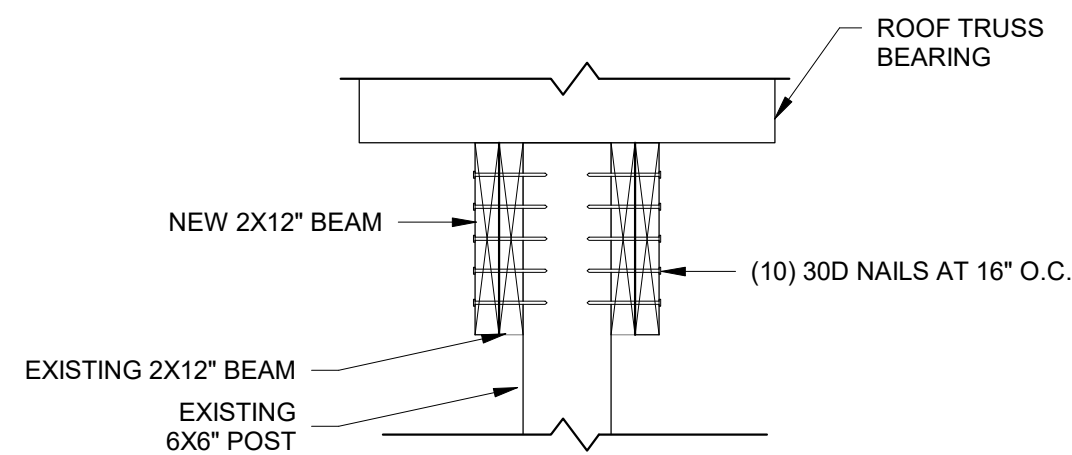
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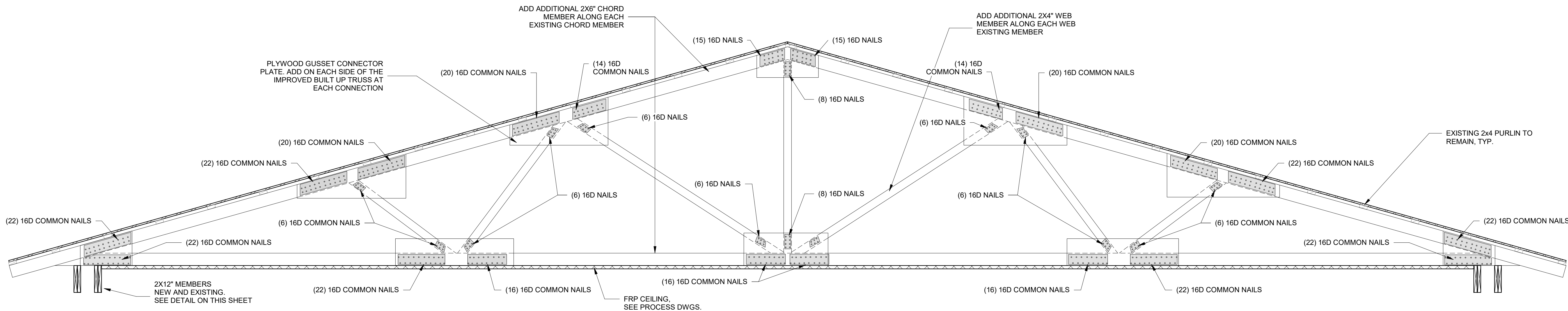
TRUSS
REINFORCEMENT FOR
SOLAR PANELS

S401



2
S401
HEADER REPAIR
1" = 1'-0"

NOTE: ALL TRUSSES UNDER PROPOSED NEW FRP CEILING
SYSTEM TO BE STRENGTHENED ACROSS ROOF.



1
S401
TRUSS REPAIR
1/2" = 1'-0"