SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA 46987

PLANS PREPARED FOR:

TOWN OF SWEETSER
113 NORTH MAIN STREET
SWEETSER, IN 46987
TELEPHONE: (765) 384-5065
CONTACT PERSON: KYLE TAYLOR, TOWN COUNCIL PRESIDENT
EMAIL: kyletaylor@sweetser.in

PLANS PREPARED BY:

DCCM
8770 NORTH STREET, SUITE 110
FISHERS, INDIANA 46038
TELEPHONE: (317) 588-1785
CONTACT PERSON: RICARDO PAREDES
EMAIL: rparedes@dccm.com

OPERATING AUTHORITIES:

SANITARY SEWER
TOWN OF SWEETSER
113 N MAIN STREET
SWEETSER, IN 46987
TELEPHONE: (765) 384-5065
CONTACT: PATRICK KENDALL
EMAIL: patrickkendall@sweetser.in

ELECTRIC (DISTRIBUTION)
AMERICAN ELECTRIC POWER
5000 WHEELING AVENUE
MUNCIE, IN 47304
TELEPHONE: (765) 730-7439
CONTACT: TYLER HARMON
EMAIL: trharmon@aep.com

ELECTRIC (TRANSMISSION)
AMERICAN ELECTRIC POWER
8500 SMITHS MILL ROAD
NEW ALBANY, OH 43054
TELEPHONE: (614) 933-2297
CONTACT: JOSHUA ADAMS
EMAIL: jdadams@aep.com

GAS (DISTRIBUTION)
CENTERPOINT ENERGY
8399 ZIONSVILLE ROAD
INDIANAPOLIS, IN 46268
TELEPHONE: (765) 287-2112
CONTACT: THOMAS OCHOA
EMAIL: thomas.ochoa@centerpointenergy.com

GAS (TRANSMISSION)
CENTERPOINT ENERGY
8399 ZIONSVILLE ROAD,
INDIANAPOLIS, IN 46268
TELEPHONE: (765) 287-2119
CONTACT: JON EASTHAM
EMAIL: publicproject@centerpointenergy.com

OIL TRANSMISSION
BUCKEYE PARTNERS, LP
6161 HAMILTON BLVD
ALLENTOWN, PA 18106
TELEPHONE: (260)403-6863
CONTACT: BRYAN NICODEMUS
EMAIL: encroachmentreviews@buckeye.com

COMMUNICATIONS
AT&T INDIANA
116 E TAYLOR STREET
KOKOMO, IN 46901
CONTACT: DAVID SMITH
EMAIL: ds8383@att.com

TELEPHONE
SWEETSER TELEPHONE COMPANY
210 N MAIN STREET
SWEETSER, IN 46987
TELEPHONE: (765) 384-4311

FIBER
AMERICAN ELECTRIC POWER TELECOM
4504 S. LINCOLN BLVD.
MARION, IN 46953
CONTACT: TIMOTHY HOVIOUS
EMAIL: thhovious@aep.com

STORM SEWER
TOWN OF SWEETSER
113 N MAIN STREET
SWEETSER, IN 46987
TELEPHONE: (765) 384-5065
CONTACT: PATRICK KENDALL
EMAIL: patrickkendal@sweetser.in

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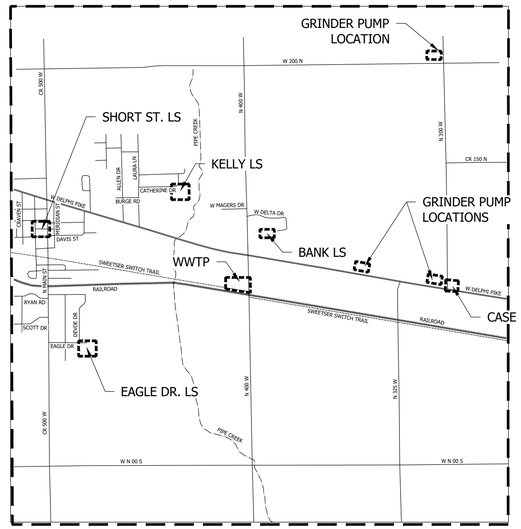
SHEET NUMBER	SHEET TITLE - ELECTRICAL
E100	ELECTRICAL SYMBOLS AND ABBREVIATIONS
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E102A	WWTP BUILDING ELECTRICAL LAYOUT - EXISTING
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SITE VICINITY MAP
NOT TO SCALE



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).

Indiana811 Know what's below. Call before you dig.
CALL 2 WORKING DAYS BEFORE YOU DIG
1-800-382-5544
CALL TOLL FREE
PER INDIANA STATE LAW IC8-1-26.
IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

DCCM

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 ARANCIBIA
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

TITLE SHEET

T001

PRINT DATE: 10/16/26
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GENERAL NOTES

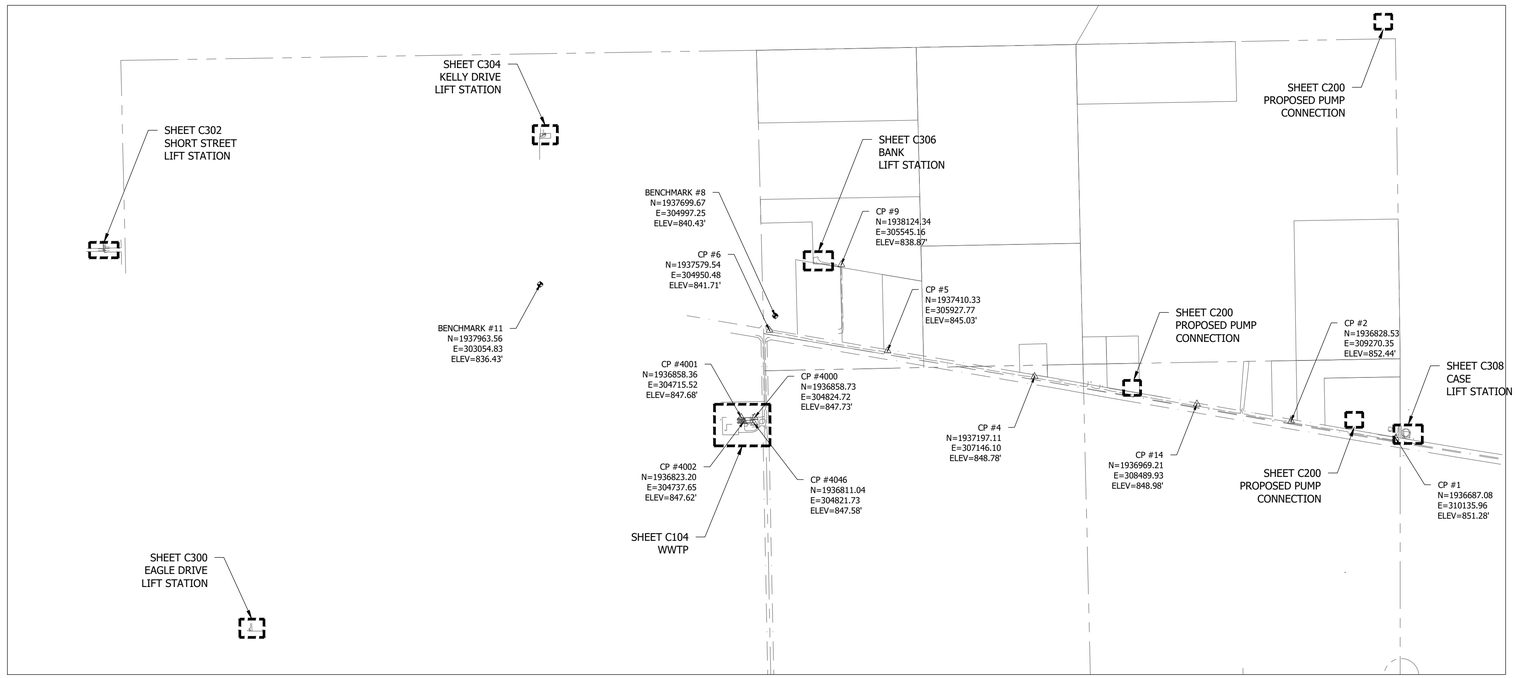
1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS FOR THIS PROJECT. ADDITIONS, DELETIONS, AND/OR REVISIONS SHALL NOT BE MADE WITHOUT PRIOR APPROVAL BY THE ENGINEER. KEEP AND MAINTAIN IN GOOD CONDITION A COMPLETE SET OF THE CONTRACT DOCUMENTS ON THE JOB SITE AT ALL TIMES.
2. ALL WORK SHALL COMPLY WITH LOCAL, STATE, AND FEDERAL CODES, ORDINANCES, RULES, REGULATIONS, ORDERS, AND OTHER LEGAL REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
3. 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.
4. 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.
5. 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.
6. CONSTRUCTION STAKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. PROPERTY LINES AND RIGHT-OF-WAY SHALL BE STAKED FOR THE DURATION OF CONSTRUCTION ACTIVITIES.
7. 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.
8. 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.
9. 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.
10. ALL DISTURBED AREAS, INCLUDING, BUT NOT LIMITED TO, STREETS, DRIVES, WALKS, LAWNS, FENCES, RETAINING WALLS, ETC. SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.
11. 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.
12. PROVIDE TEMPORARY GRASS SEED WITHIN 7-DAYS OF ALL EARTH DISTURBING ACTIVITIES.
13. 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".
14. REGRADE AREAS AS NECESSARY WITHIN THE CONSTRUCTION LIMITS TO ALLOW PROPER DRAINAGE TO EXISTING STORM SEWER STRUCTURES.
15. MAINTAIN 10'-0" HORIZONTAL AND 1'-6" VERTICAL SEPARATION FROM STORM AND SEWER MAIN, UNLESS SPECIFICALLY NOTED IN THE PLANS.
16. PROVIDE FILL AROUND PROPOSED AND EXISTING PIPING AT ALL OPEN-CUT UTILITY CROSSINGS TO ADEQUATELY SUPPORT AND PROTECT EACH CONDUIT.
17. PRESERVE EXISTING RIGHT-OF-WAY MARKERS. IF RIGHT-OF-WAY MARKERS ARE DISTURBED, RESET MARKERS AT NO ADDITIONAL COST TO THE OWNER.
18. 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.
19. 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.
20. DO NOT LEAVE MORE THAN 50 FEET OF TRENCH OPEN AT END OF WORKING DAY. PROTECT OPEN TRENCH TO PREVENT DANGER TO THE PUBLIC.
21. 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.
22. 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.
23. 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 LEGNED

LINETYPE	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
870	EXISTING CONTOUR
	EXISTING CROWN OF ROAD
	EXISTING TOE OF SLOPE
	EXISTING TOP OF BANK
ST	EXISTING STORM SEWER
SS	EXISTING SANITARY SEWER
UT	EXISTING TELEPHONE
FO	EXISTING FIBER OPTIC LINE
E	EXISTING ELECTRICAL
UGT	EXISTING TELECOMMUNICATIONS
W	EXISTING WATER
G	EXISTING GAS
870	PROPOSED CONTOUR
X	PROPOSED FENCE

SYMBOLS LEGEND

	SURVEY BENCHMARK	GM	EXISTING GAS METER
	SURVEY CONTROL POINT		EXISTING TELECOM VAULT
	EXISTING POWER POLE W/ LIGHT	TEL	EXISTING TELECOM CABINET
	EXISTING POWER POLE	T	EXISTING TELECOM PEDESTAL
	EXISTING POWER POLE GUY WIRE	WV	EXISTING WATER VALVE
	EXISTING LIGHT POLE	WM	EXISTING WATER METER
	EXISTING BRACE POLE		EXISTING TREES (CONIF./ DECID.)
	EXISTING ELECTRICAL STRUCTURE		EXISTING BOLLARD
EM	EXISTING ELECTRIC METER		EXISTING STREET SIGN
E	EXISTING ELECTRICAL EQUIPMENT	MB	EXISTING MAILBOX
S	EXISTING SANITARY STRUCTURE		
LS	EXISTING LIFT STATION STRUCTURE		
CO	EXISTING SANITARY CLEANOUT		
	LIFT STATION RISER PIPE		
	EXISTING STORM STRUCTURES		



SHEET INDEX MAP
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SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

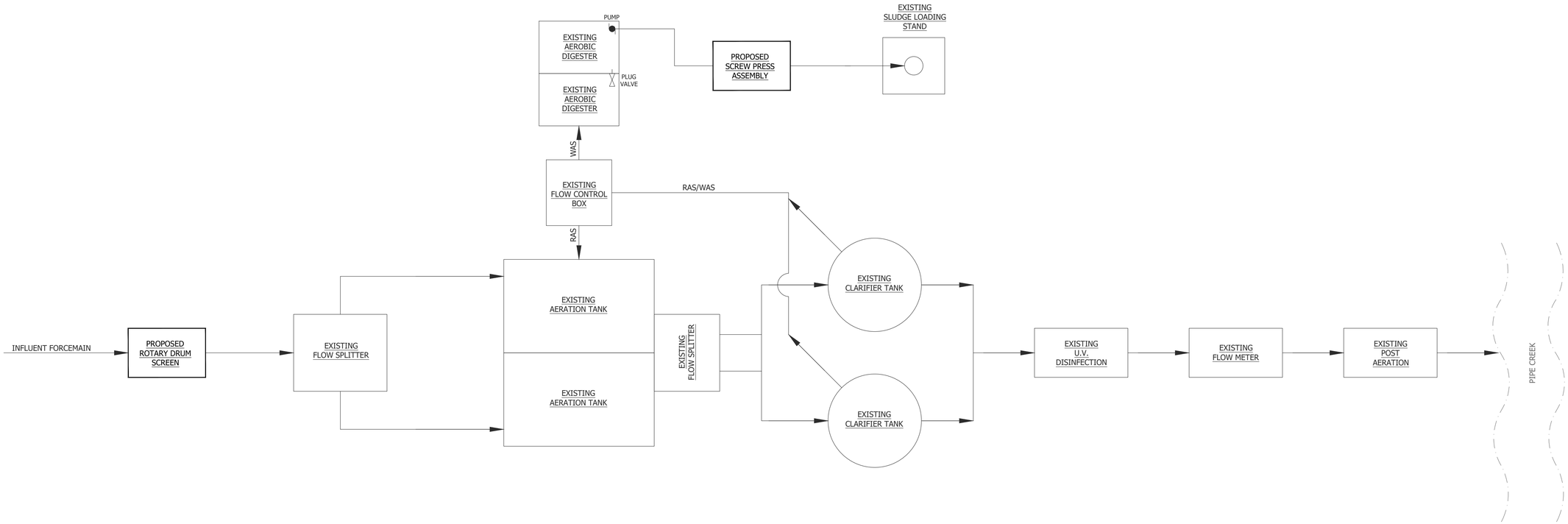
Project #: 400-6314
Designed By: RJPA
Drawn By: RLH
Checked By: ALC
Date: 08/28/2026

RICARDO JUAN PAREDES ARANCIBIA
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

GENERAL NOTES AND SHEET INDEX

G100

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SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

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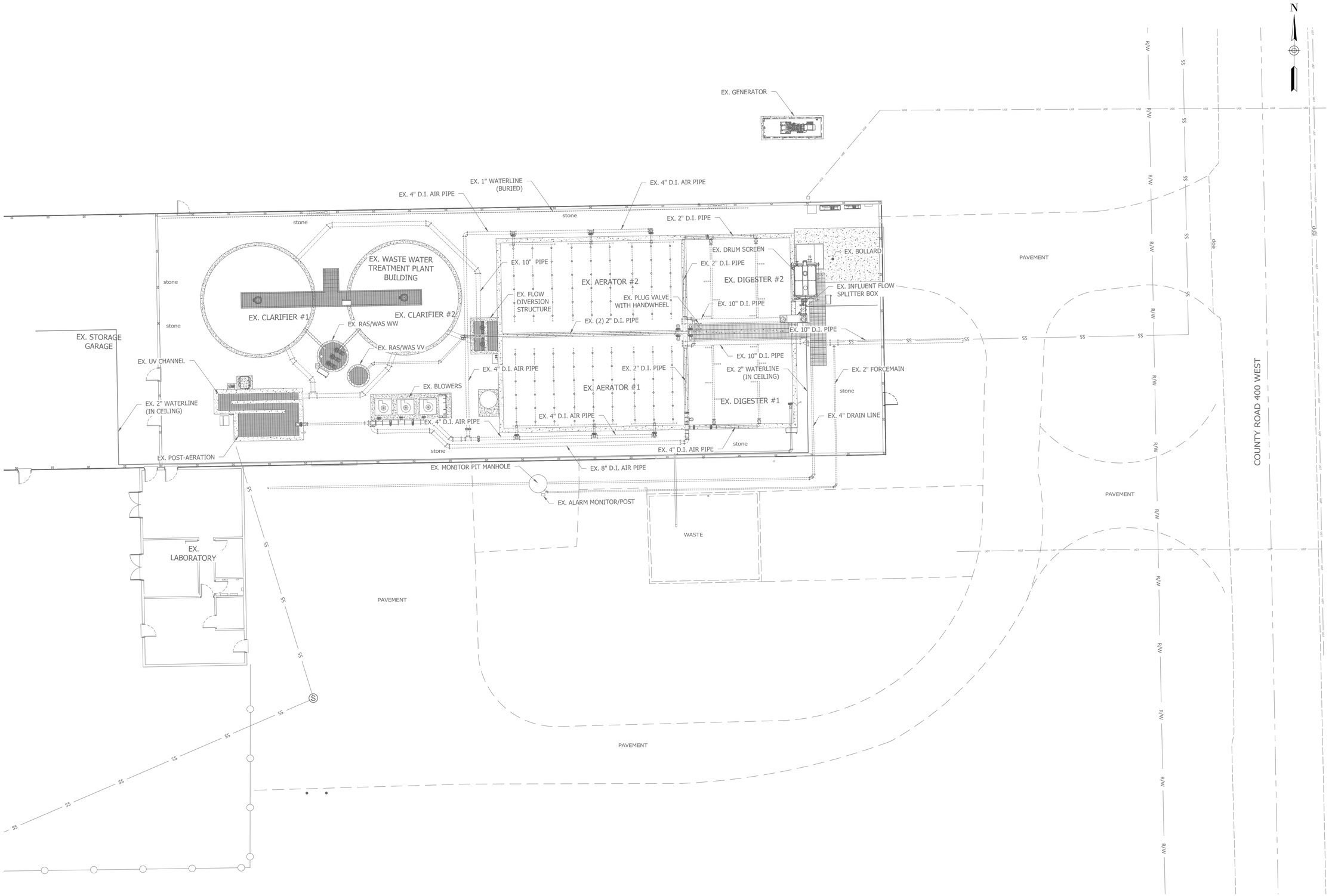
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RICARDO JUAN PAREDES ARANSOLA
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

PROCESS FLOW DIAGRAM

D100

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

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SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

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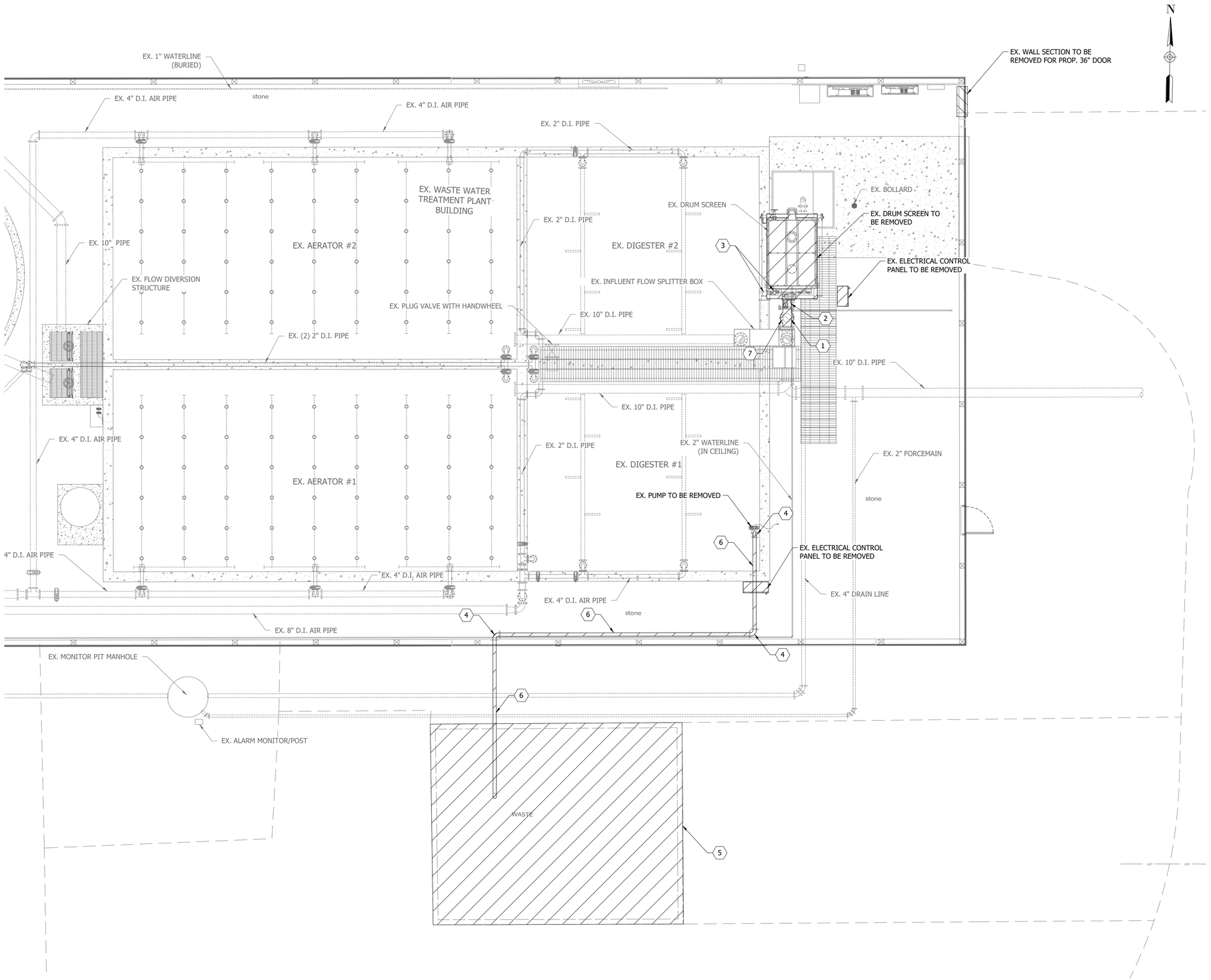
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RICARDO JUAN PAREDES ARONOFSKY
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

10' 0 10' 20'
GRAPHIC SCALE

EXISTING WWTP - OVERALL SITE PLAN

C100



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

DCCM

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SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

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Checked By: ALC
Date: 08/28/2026

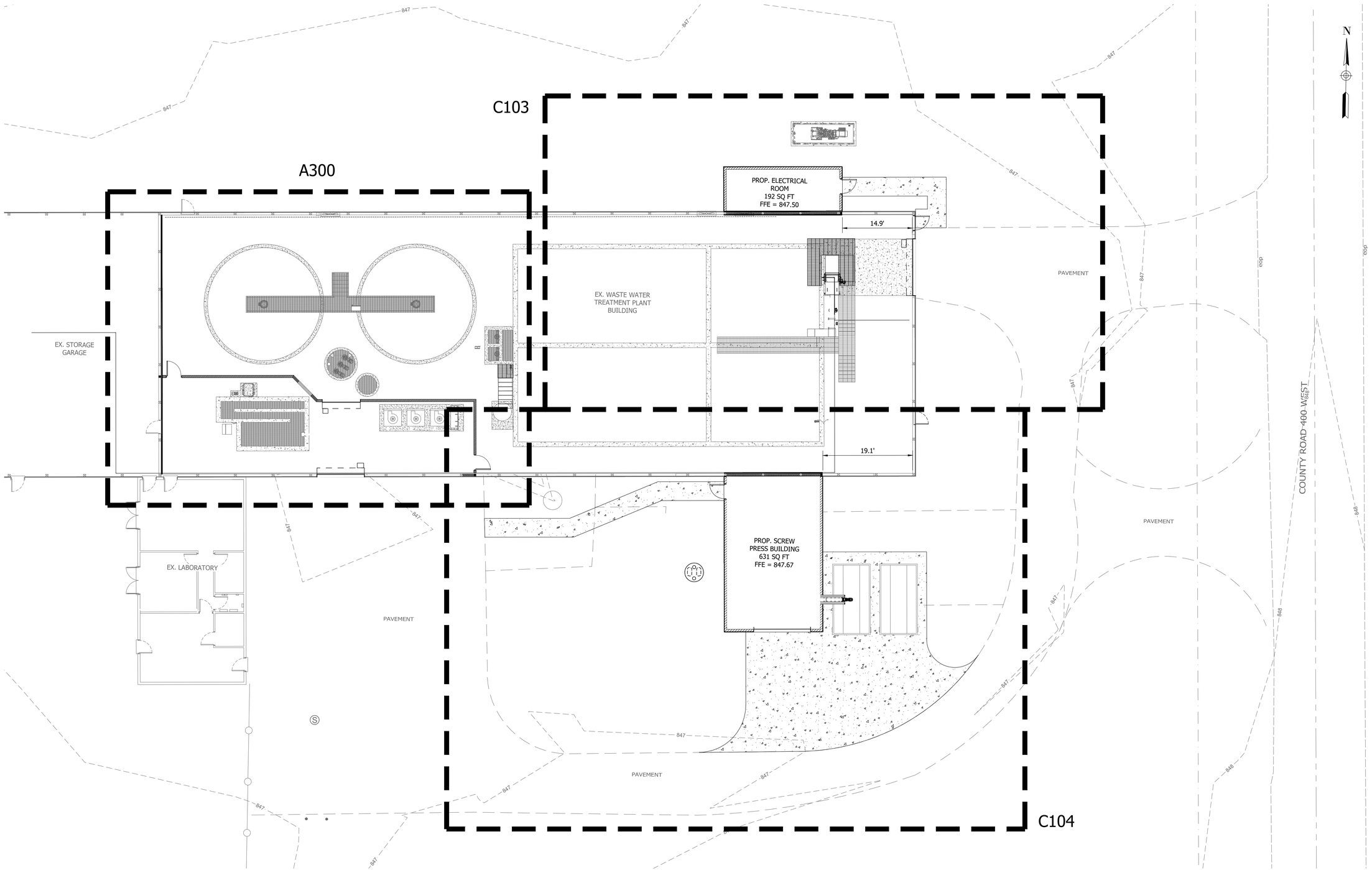
RICARDO JUAN PAREDES ARANGO
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

5' 0 5' 10'
GRAPHIC SCALE

EXISTING WWTP - DEMOLITION PLAN

C101

PRINT DATE: 10/8/26
PLOT SCALE: 1:1 EDIT DATE: 8/24/26 - 9:58 AM EDITED BY: RHUNT DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\5 ACAD\PLAN SHEETS & WORKING DRAWINGS\400631 4 WWTP EXISTING SITE.DWG



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

DCCM

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

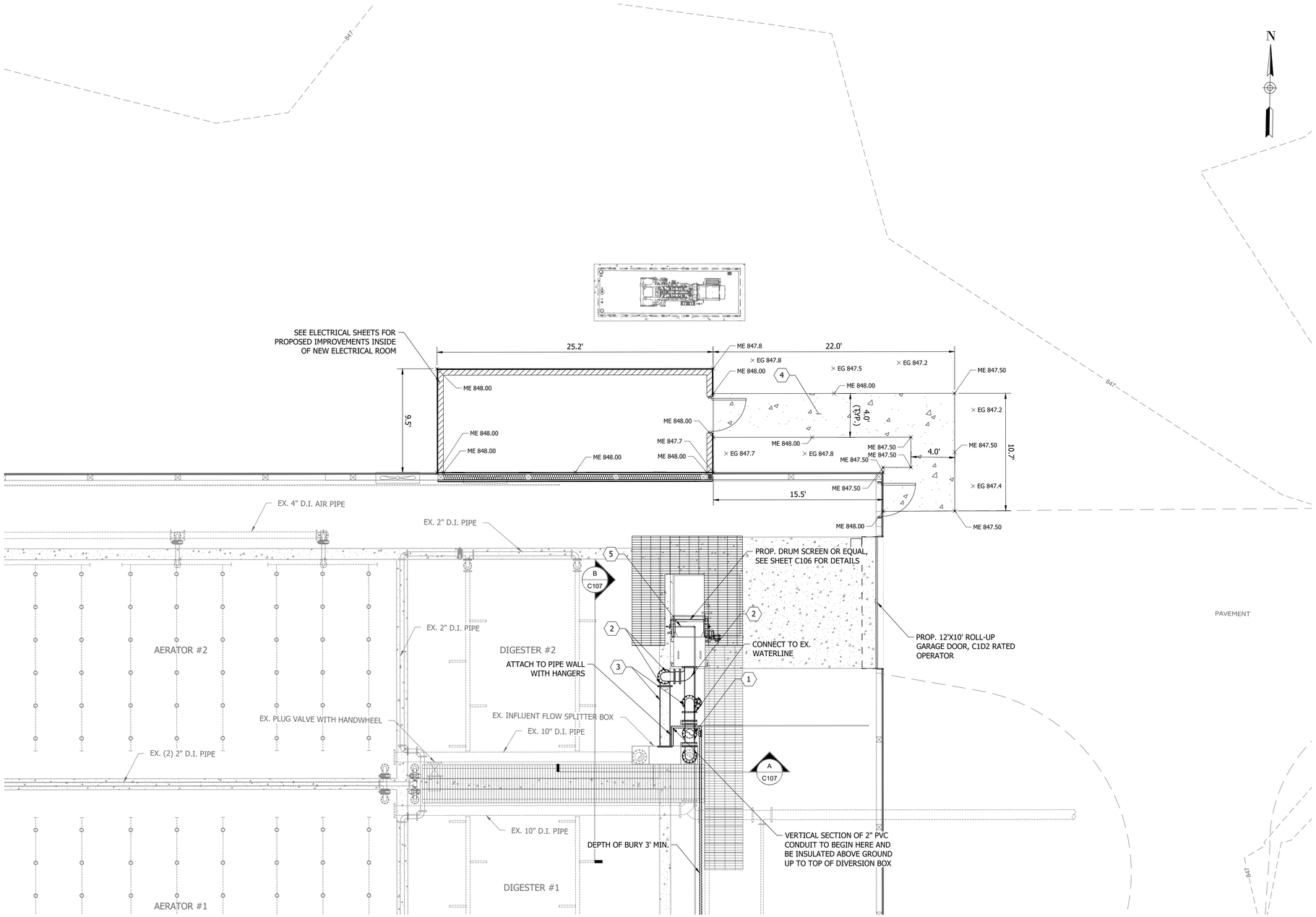
RICARDO JUAN PAREDES ARANGOPPA
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

10' 0 10' 20'
GRAPHIC SCALE

EXISTING WWTP - OVERALL PROPOSED SITE IMPROVEMENTS PLAN

C102

PRINT DATE: 10/8/26
PLOT SCALE: 1:1 EDIT DATE: 10/8/26 - 6:27 AM EDITED BY: RHUNT DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\5 ACAD\PLAN SHEETS & WORKING DRAWINGS\400314 WWTP PROPOSED SITE IMPROVEMENTS AND GRADING.DWG



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

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 ARES 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 OUTLET TO DOWNSTREAM RECEIVING SYSTEM. CONTRACTOR TO NOTIFY THE ENGINEER WITH ANY CIRCUMSTANCES WHERE THIS CANNOT BE ACCOMPLISHED.

SITE PLAN NOTES

1. 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.
2. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES IN THE VICINITY OF THE CONSTRUCTION AREA PRIOR TO STARTING CONSTRUCTION.
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4. ALL CONSTRUCTION ACTIVITY ON THIS SITE IS TO BE PERFORMED IN COMPLIANCE WITH MOST CURRENT APPLICABLE OSHA STANDARDS FOR WORKER SAFETY.
5. ALL RADII AND STREET DIMENSIONS SHALL BE MEASURED TO FACE OF CURB OR FACE OF INTEGRAL CURB AND WALK. ALL DIMENSIONS TO THE BUILDING ARE TO THE OUTSIDE OF BUILDING FOUNDATION WALL.
6. EXISTING PAVEMENT TO BE SAW CUT IN ALL AREAS WHERE INDICATED NEW PAVEMENT TO JOIN EXISTING PAVEMENT.
7. THE EDGE OF THE EXISTING ASPHALT PAVEMENT SHALL BE PROPERLY SEALED WITH A TACK COAT MATERIAL IN ALL AREAS WHERE NEW CONCRETE PAVEMENT IS INDICATED TO JOIN EXISTING ASPHALT.
8. ALL CONSTRUCTION JOINTS SHALL BE SAWED, CLEANED OF DEBRIS, BLOWN DRY AND IMMEDIATELY SEALED WITH THE APPROPRIATE SEALANT ACCORDING TO MANUFACTURER'S DIRECTIONS.
9. BEARINGS, DIMENSIONS AND EASEMENTS ARE SHOWN FOR REFERENCE ONLY. SEE RECORD SURVEYS AND PLATS FOR EXACT INFORMATION.
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11. CONTACT ENGINEER IF ADDITIONAL DIMENSIONS ARE NEEDED FOR CONSTRUCTION.
12. ALL PRESSURIZED PIPING TO UTILIZE D.I.M.J. RESTRAINED JOINT FITTINGS.

DCCM

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 ARANCIBIA REGISTERED No. 11900824 STATE OF INDIANA PROFESSIONAL ENGINEER

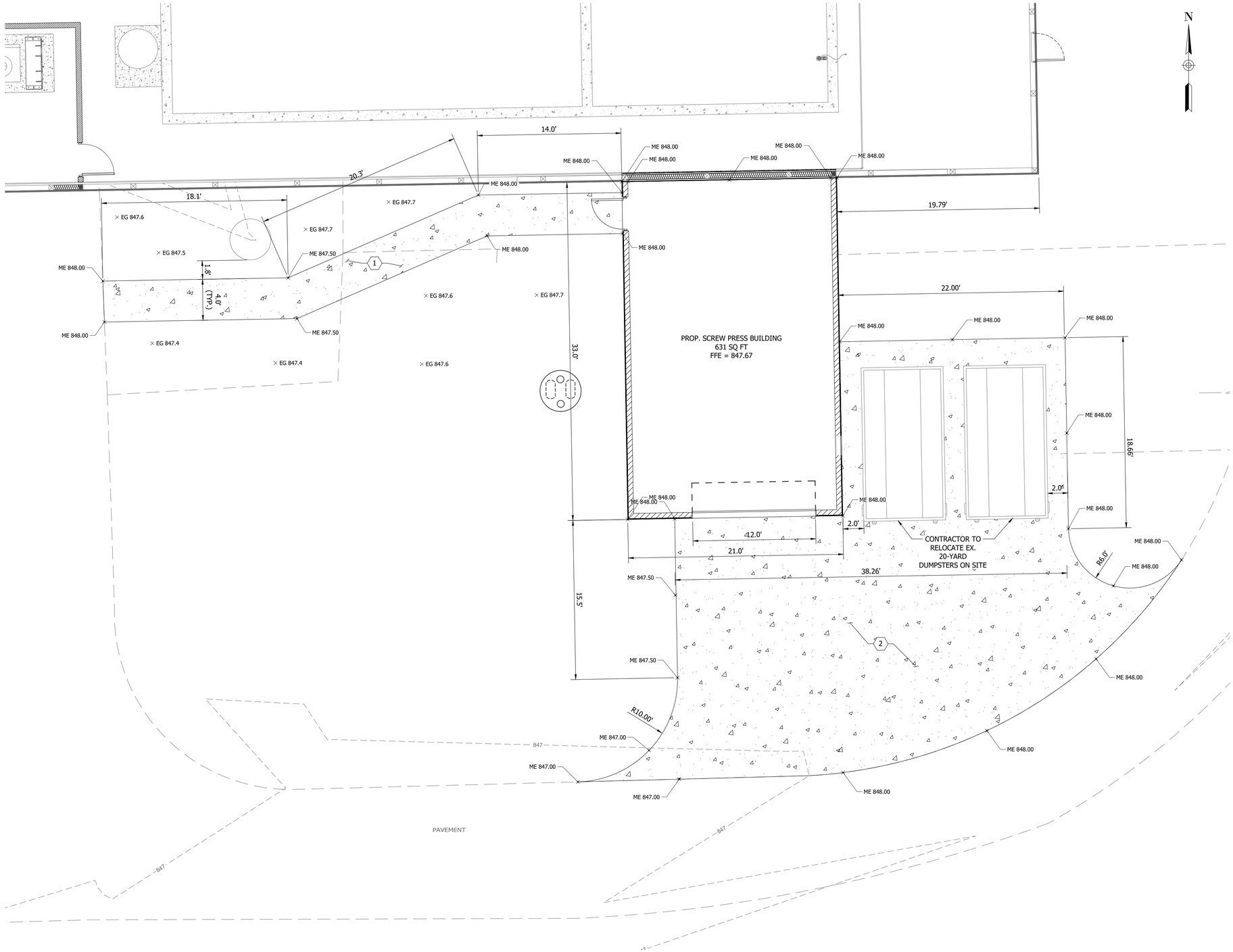
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GRAPHIC SCALE

PROPOSED GRADING AND SITE IMPROVEMENTS PLAN

C103

PRINT DATE: 10/9/26
PLOT SCALE: 1:1 EDIT DATE: 10/8/26 - 6:27 AM EDITED BY: RHUNT DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\5 ACAD\PLAN SHEETS & WORKING DRAWINGS\400631 4 WWTP PROPOSED SITE IMPROVEMENTS AND GRADING.DWG



EXISTING WWTP - PROPOSED GRADING AND SITE IMPROVEMENTS PLAN

SCALE: 1" = 5'-0"

KEY NOTES

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

GRADING PLAN NOTES

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DCCM

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

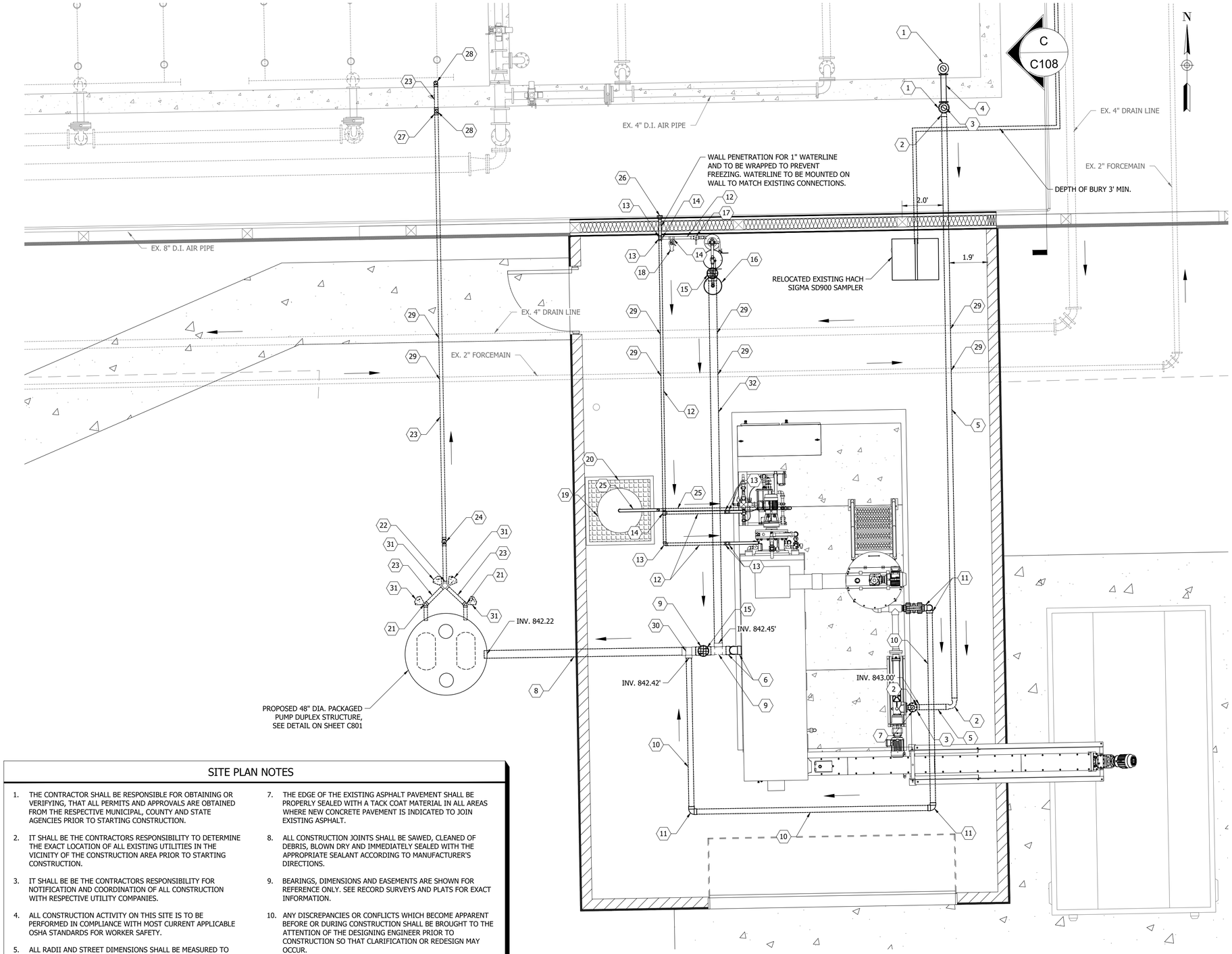
RICARDO JUAN PAREDES ARANGO
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

5' 0 5' 10'
GRAPHIC SCALE

PROPOSED GRADING AND SITE IMPROVEMENTS PLAN

C104

PRINT DATE: 10/8/26
PLOT SCALE: 1:1 EDIT DATE: 10/8/26 - 6:27 AM EDITED BY: RHUNT DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\5 ACAD\PLAN SHEETS & WORKING DRAWINGS\400-6314 WWTP PROPOSED SITE IMPROVEMENTS AND GRADING.DWG



EXISTING WWTP - PROPOSED SITE PIPING PLAN

SCALE: 1" = 2'-6"

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 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
32	PROPOSED 4" SDR 26 PVC PIPE @ 3.00% SLOPE

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.

DCCM

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



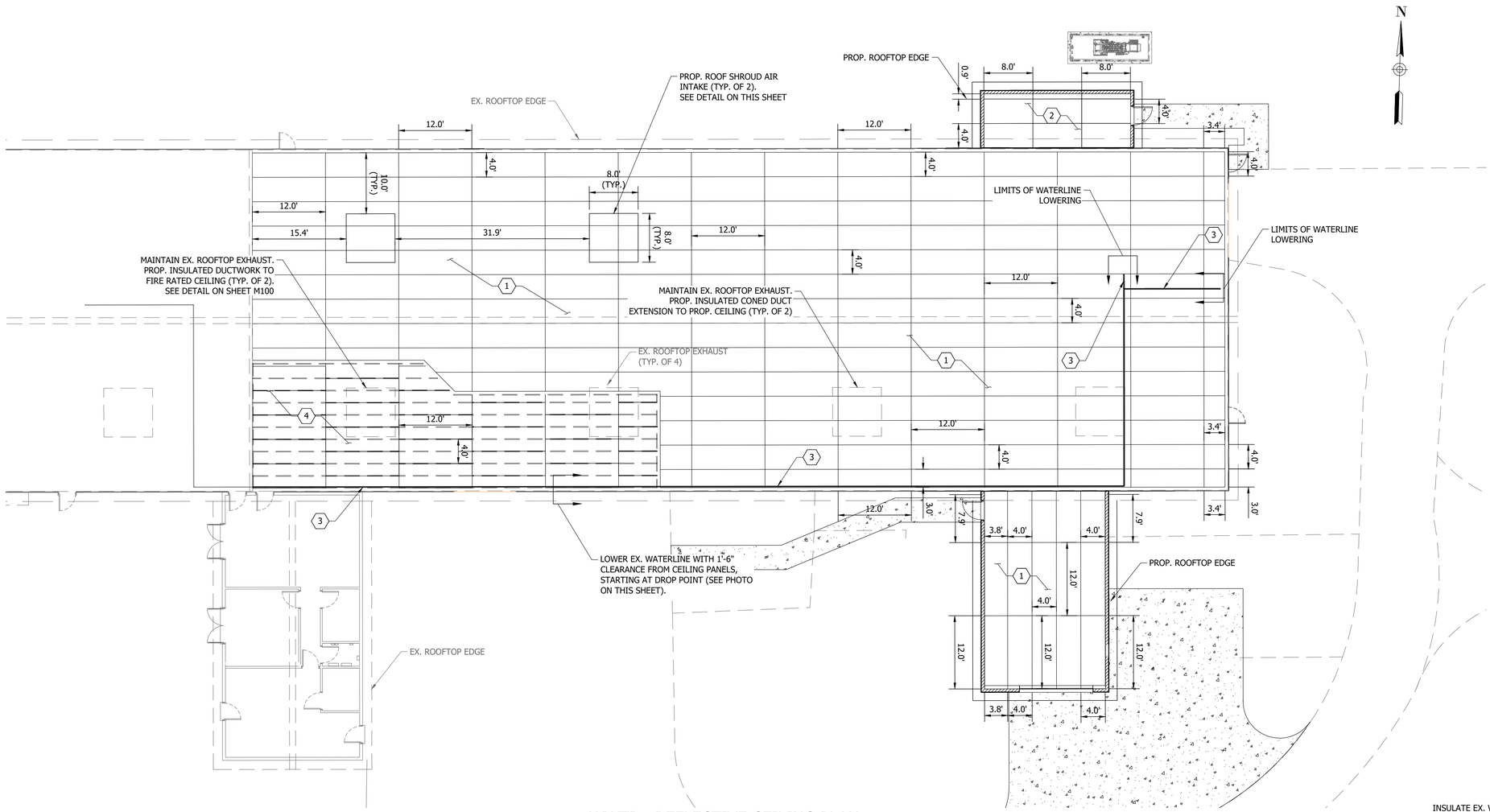
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GRAPHIC SCALE

PROPOSED SITE PIPING PLAN

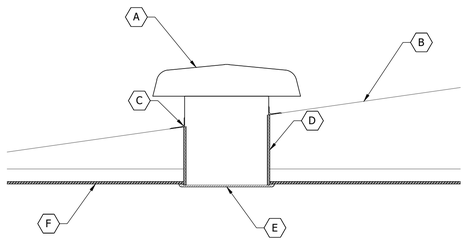
C104A

PRINT DATE: 10/9/26
PLOT SCALE: 1:1 EDIT DATE: 10/8/26 - 6:27 AM EDITED BY: RHUNT DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\5) ACAD\PLAN SHEETS & WORKING DRAWINGS\400-6314 WWTP PROPOSED SITE IMPROVEMENTS AND GRADING.DWG



WWTP - REFLECTIVE CEILING PLAN

SCALE: 1" = 10'



ROOF SHROUD AIR INTAKE DETAIL

NO SCALE

DETAIL KEY NOTES

A	PROPOSED AIR INTAKE AND SHROUD
B	EXISTING ROOF LINE
C	CONTRACTOR TO APPLY GOOD FLASHING/FLANGE SEAL AROUND EACH AIR INTAKE SHROUD TO PREVENT ANY WATER LEAKS
D	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
E	36"X36" ALUMINUM EGGCRATE GRILLE. GRILLE TO HAVE A MAX. PRESSURE DROP OF 0.1 INWC AT 5,500 CFM
F	PROPOSED CEILING

SITE PLAN NOTES

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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

1	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.
2	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.
3	INSULATE EXISTING WATERLINE ABOVE CEILING IN THE WASTEWATER TREATMENT PLANT
4	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)



WWTP - SITE PHOTO

DCCM

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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RICARDO JUAN PAREDES ARANGUREN
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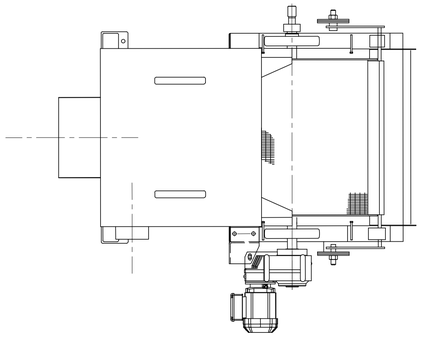
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GRAPHIC SCALE

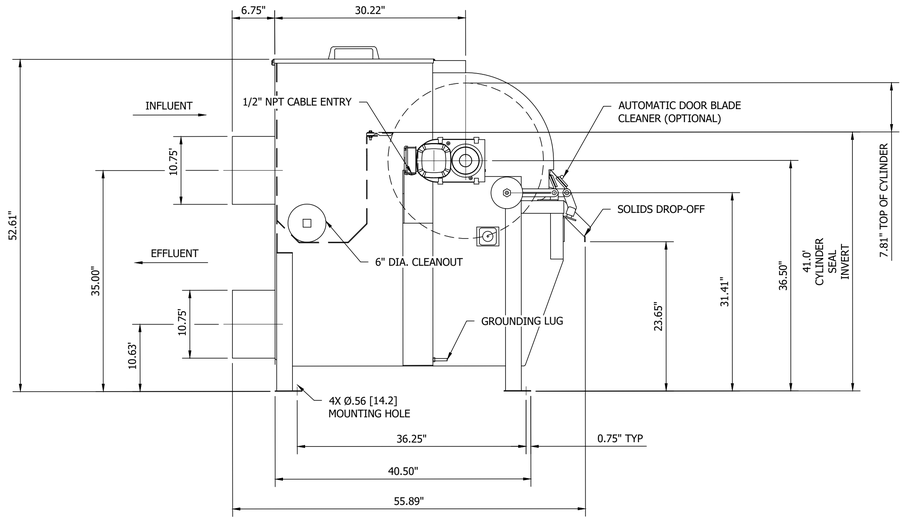
WWTP - REFLECTIVE CEILING PLAN

C105

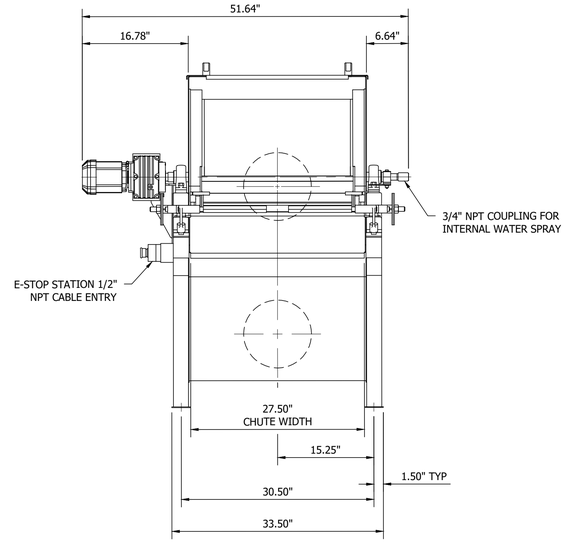
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PLAN VIEW



SIDE VIEW



FRONT VIEW

NOTE:

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

PROPOSED ROTARY DRUM SCREEN

NOT TO SCALE

DCCM

BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

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Drawn By: RLH

Checked By: ALC

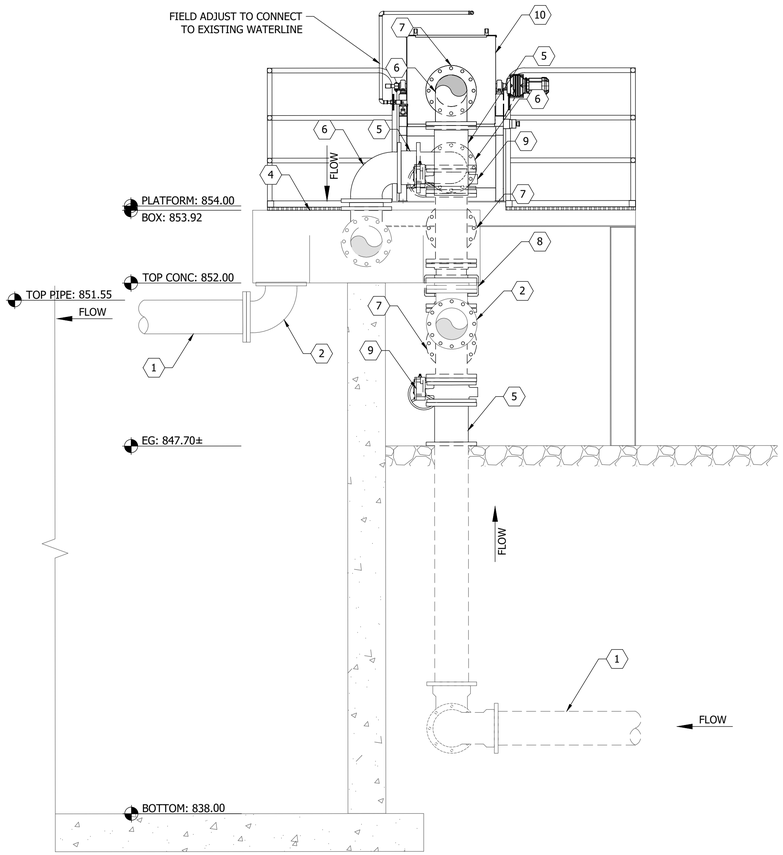
Date: 08/28/2026

RICARDO JUAN PAREDES ARANCIBIA REGISTERED No. 11900824 STATE OF INDIANA PROFESSIONAL ENGINEER

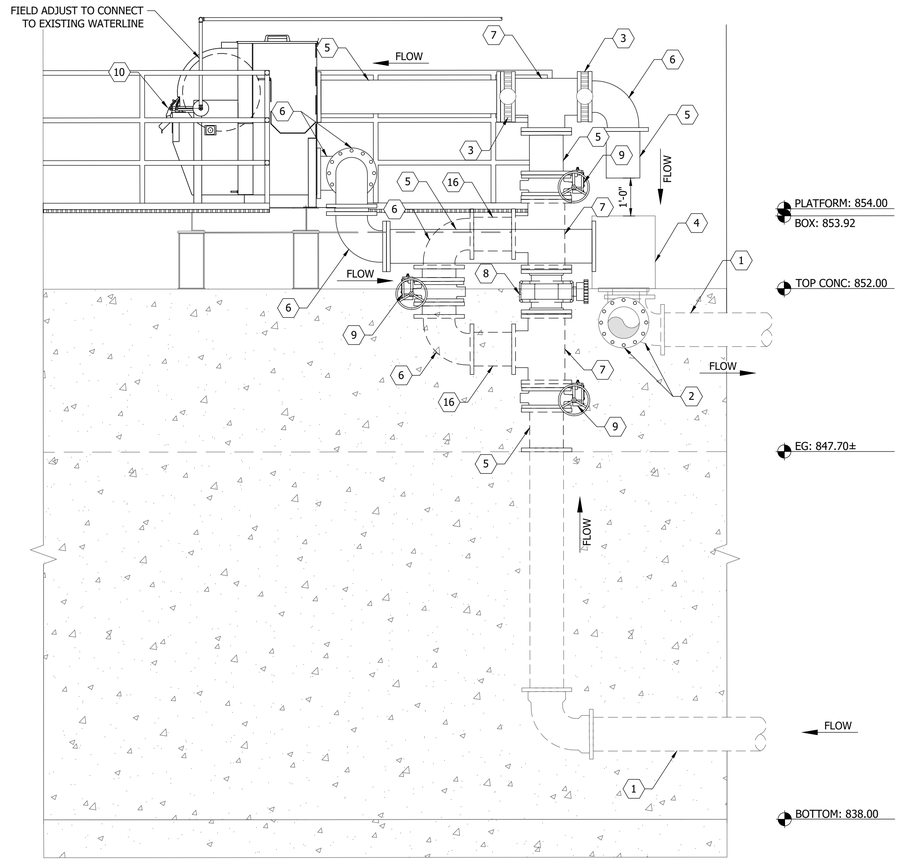
PROPOSED DRUM SCREEN DETAILS

C106

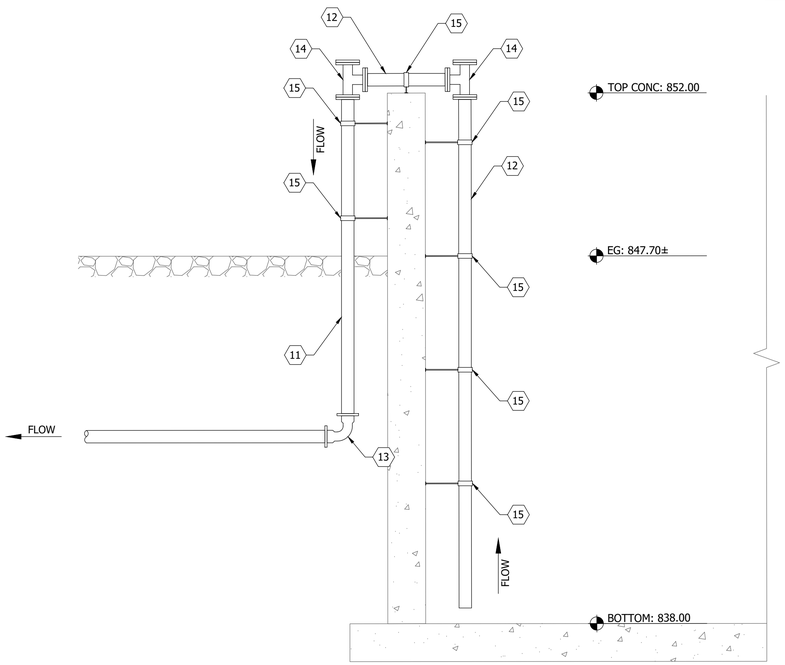
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A C107 SECTION
SCALE: 1/2" = 1'-0"



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



C C107 SECTION
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

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

DCCM

BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

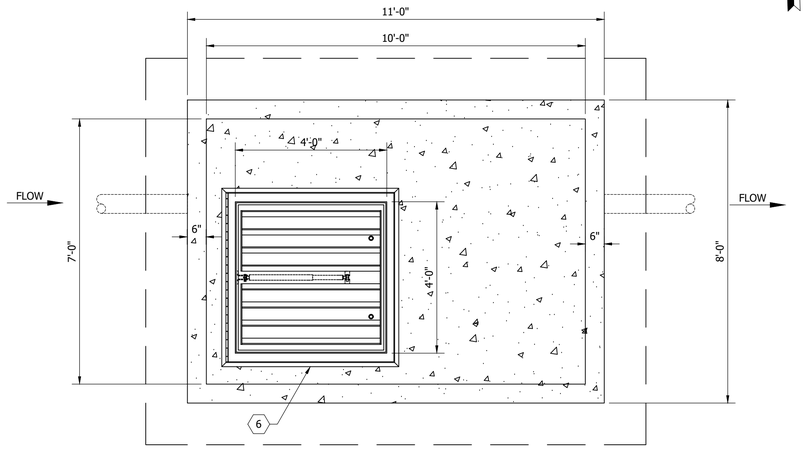
Project #: 400-6314
Designed By: RJPA
Drawn By: RLH
Checked By: ALC
Date: 08/28/2026

RICARDO JUAN PAREDES ARONOWSKI
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

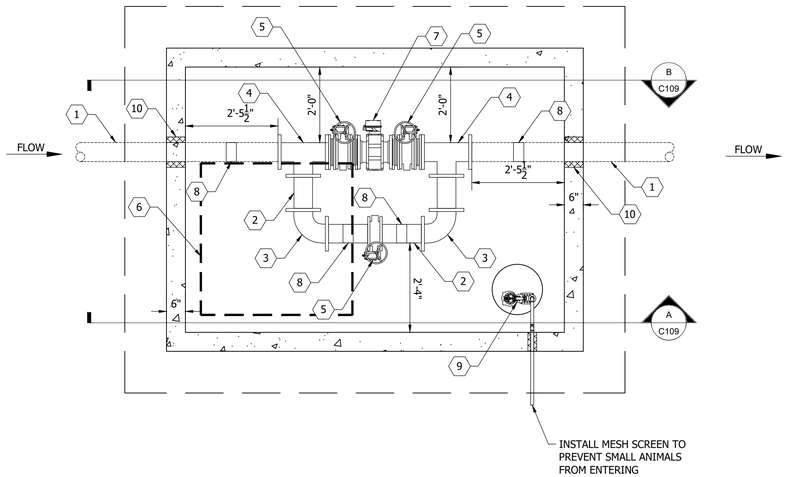
SECTION VIEWS

C107

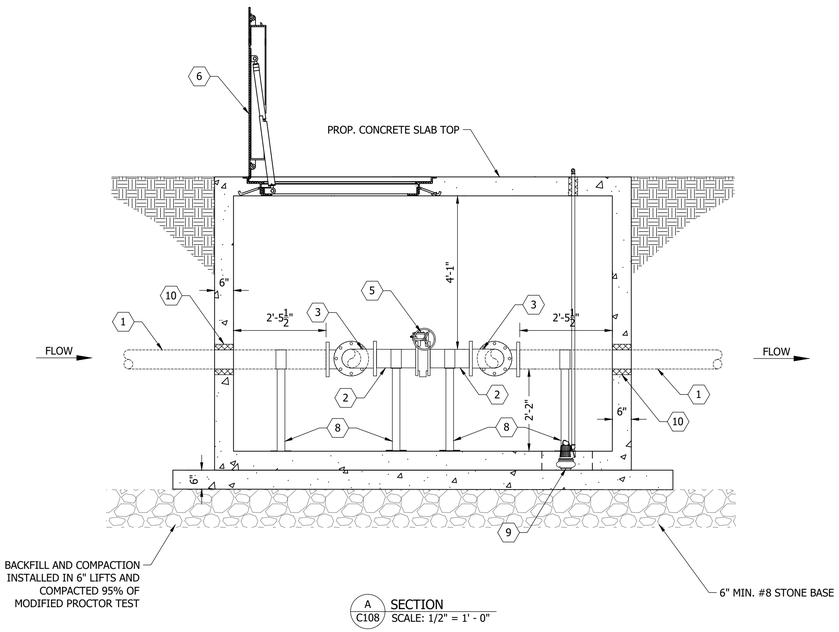
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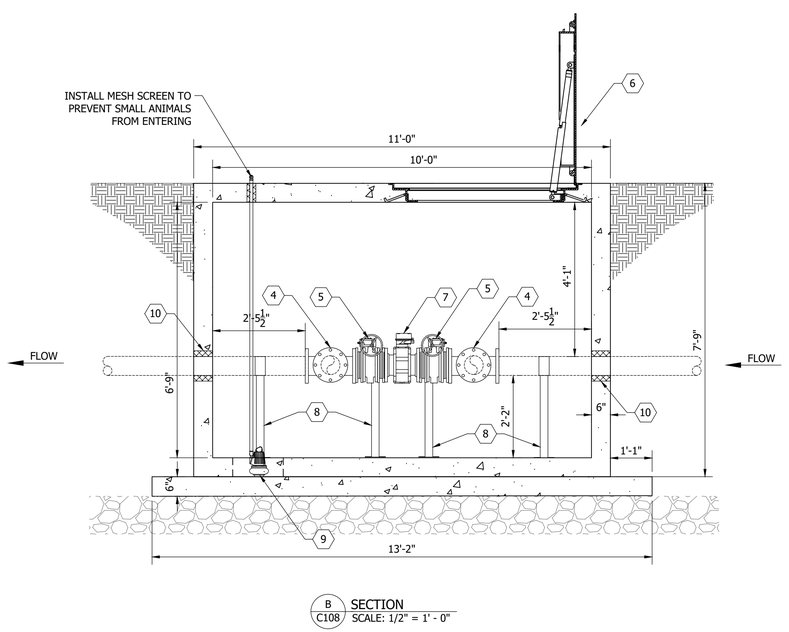
PLAN VIEW - ABOVE SLAB
SCALE: 1/2" = 1' - 0"



PLAN VIEW - BELOW SLAB
SCALE: 1/2" = 1' - 0"



A C108 SECTION
SCALE: 1/2" = 1' - 0"



B C108 SECTION
SCALE: 1/2" = 1' - 0"

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 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.

DCCM

BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

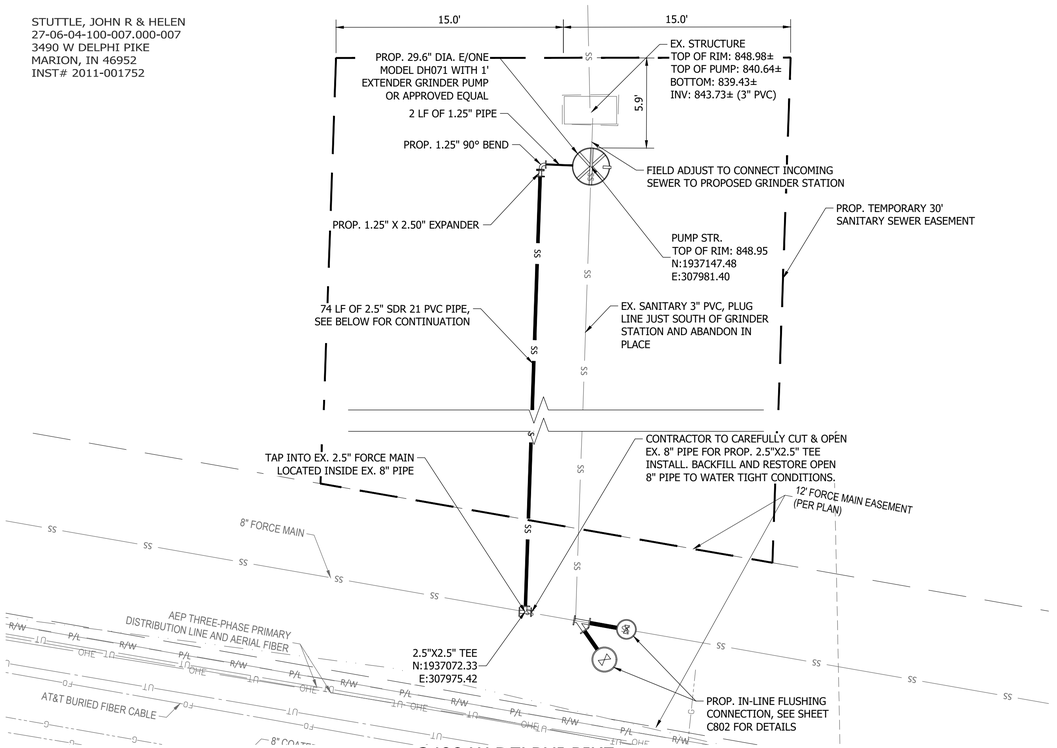
Project #: 400-6314
Designed By: RJPA
Drawn By: RLH
Checked By: ALC
Date: 08/28/2026

RICARDO JUAN PAREDES ARROYO
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No. 11900824
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PROFESSIONAL ENGINEER

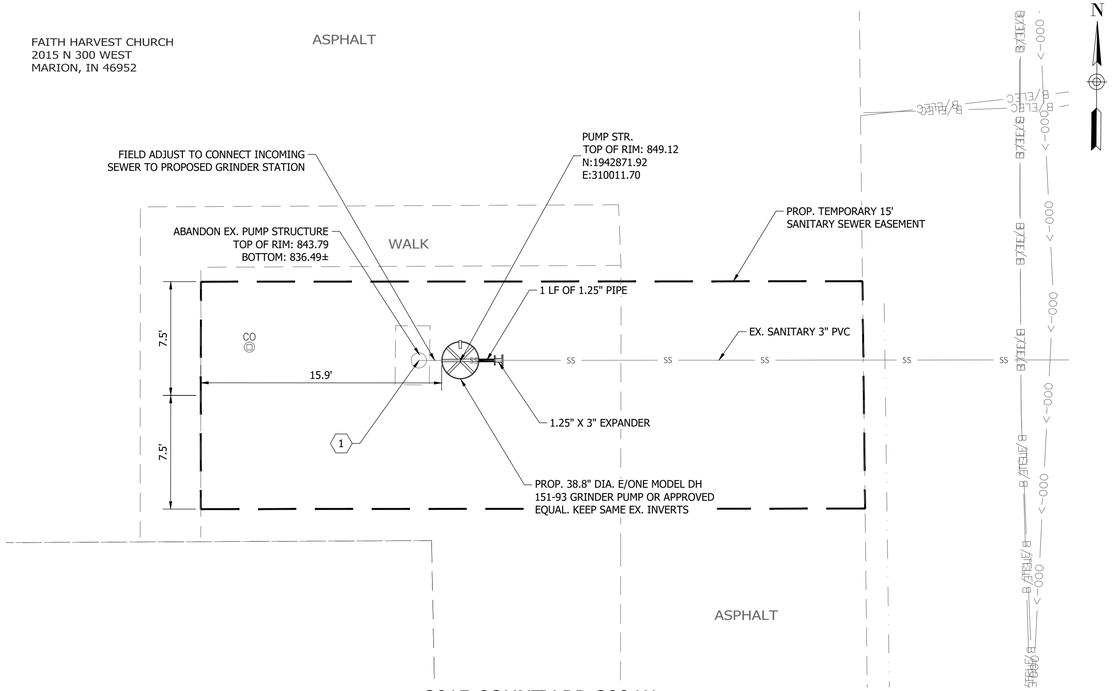
KELLY LIFT STATION METER VAULT DETAILS AND SECTIONS

C108

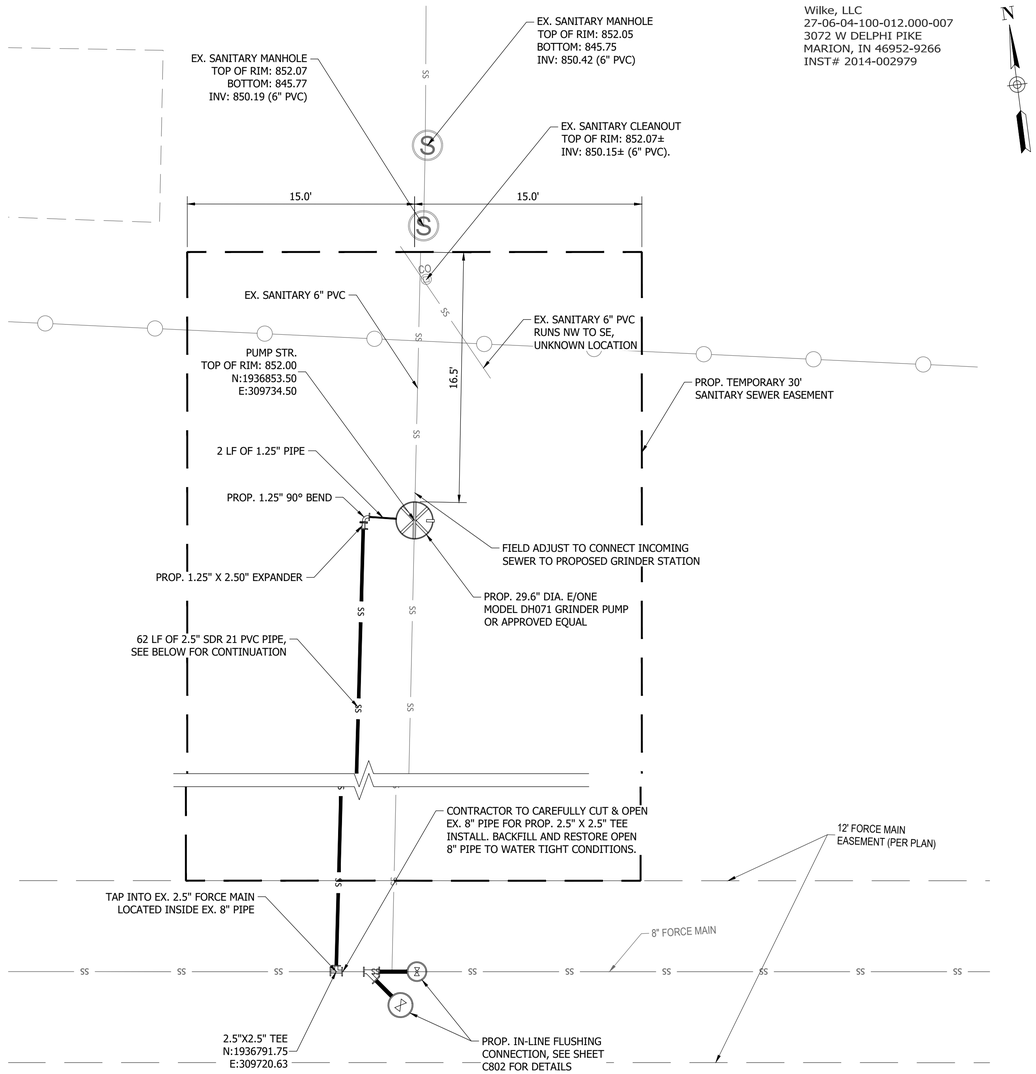
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3490 W DELPHI PIKE
PROPOSED GRINDER PUMP STRUCTURE - PLAN VIEW
SCALE: 1" = 5'-0"



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

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.

KEY NOTES

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

DCCM

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

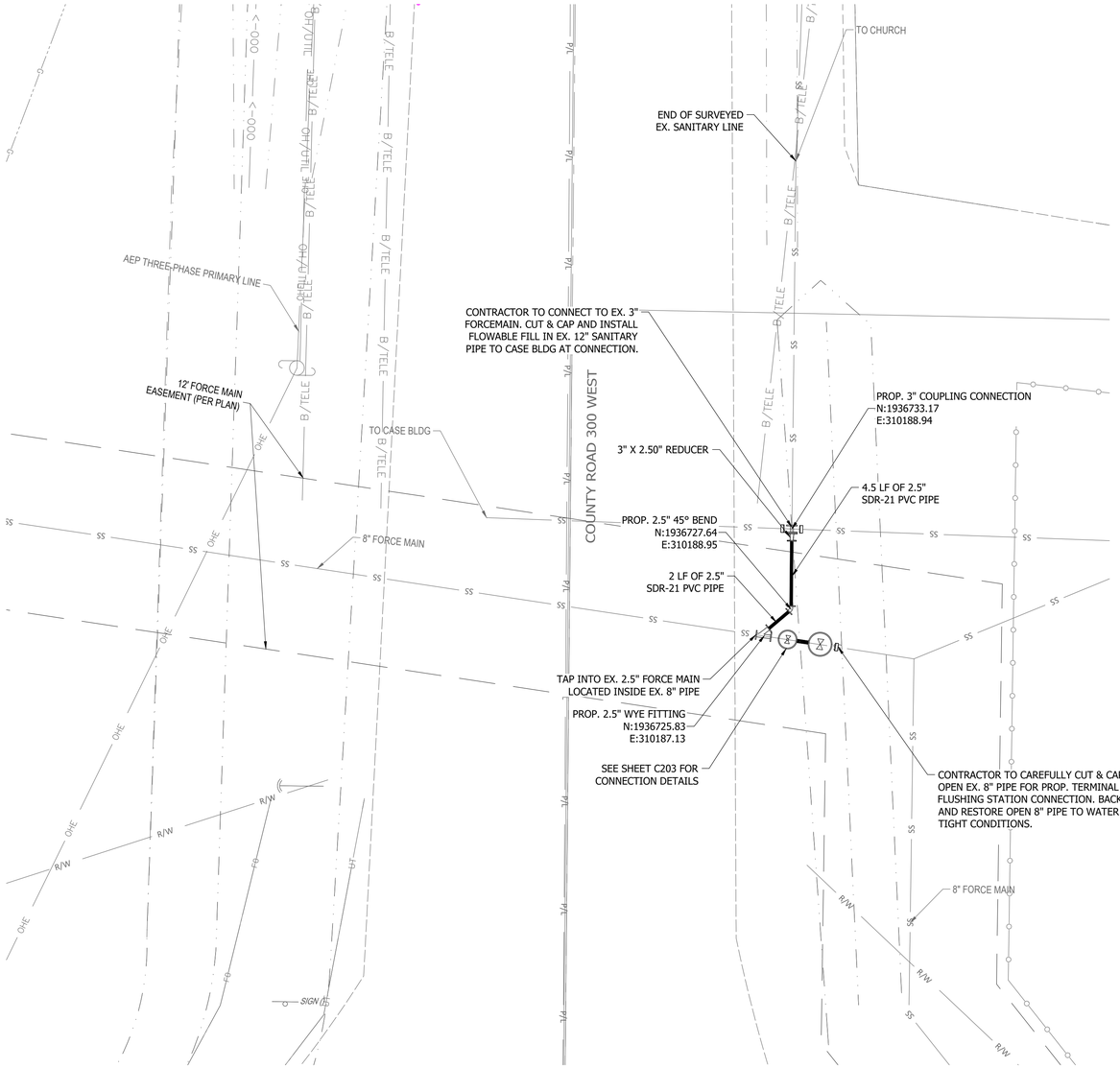
RICARDO JUAN PAREDES ARANCIBIA
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

5' 0 5' 10'
GRAPHIC SCALE

PROPOSED GRINDER PUMP PROPERTY CONNECTIONS PLAN VIEWS

C200

PRINT DATE: 10/8/26
PLOT SCALE: 1:1 EDIT DATE: 8/24/26 - 2:07 PM EDITED BY: RHUNT DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\5 ACAD\PLAN SHEETS & WORKING DRAWINGS\400-6314 PROPOSED LPS PLAN.DWG



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.

DCCM

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

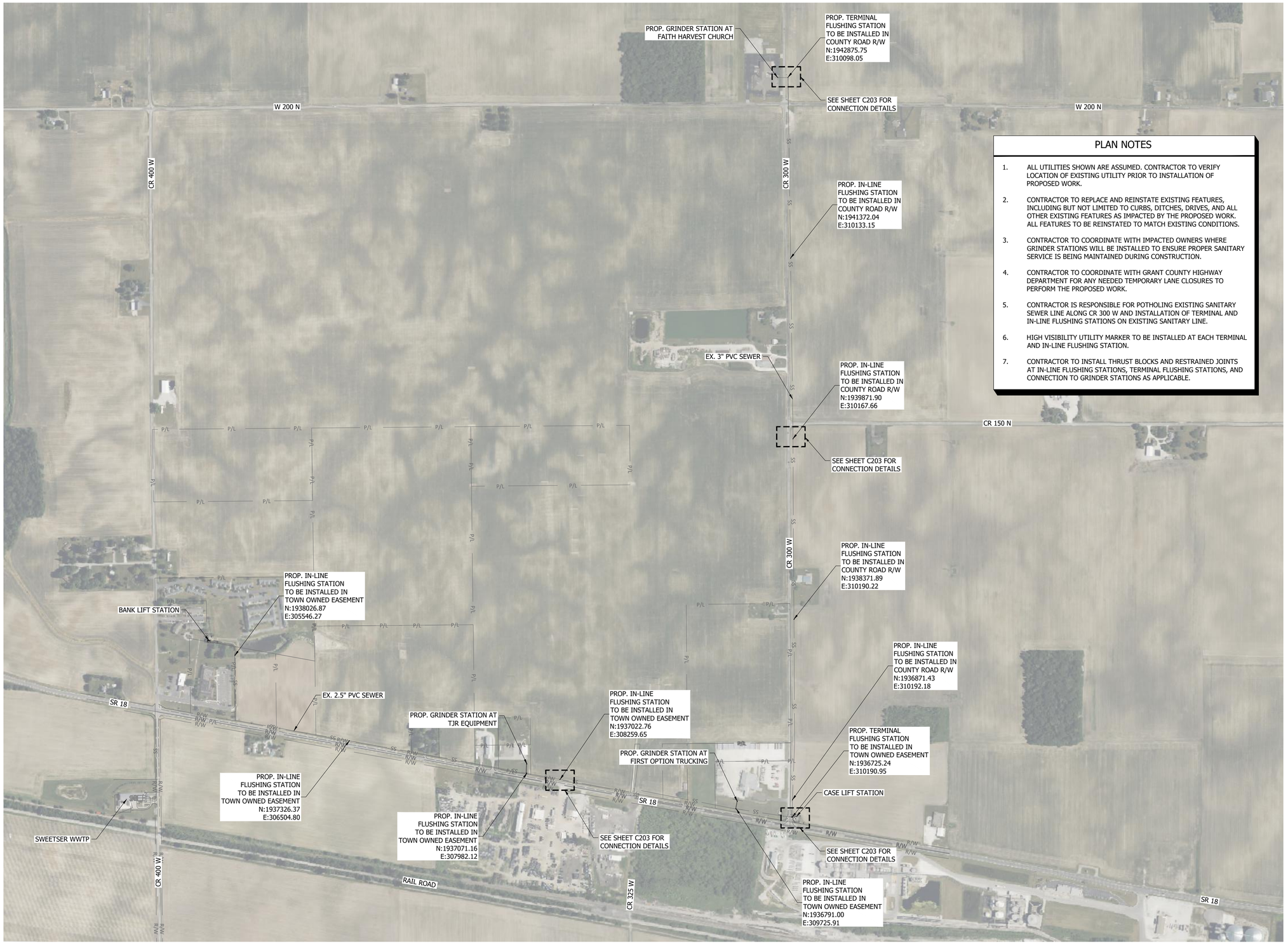
RICARDO JUAN PAREDES ARANGUREN
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

5' 0 5' 10'
GRAPHIC SCALE

PROPOSED LPS CONNECTION PLAN

C201

PRINT DATE: 10/8/26
PLOT SCALE: 1:1 EDIT DATE: 8/24/26 - 2:07 PM EDITED BY: RHUNT DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\5 ACAD\PLAN SHEETS & WORKING DRAWINGS\400631# PROPOSED LPS PLAN.DWG



PLAN NOTES

1. ALL UTILITIES SHOWN ARE ASSUMED. CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITY PRIOR TO INSTALLATION OF PROPOSED WORK.
2. CONTRACTOR TO REPLACE AND REINSTATE EXISTING FEATURES, INCLUDING BUT NOT LIMITED TO CURBS, DITCHES, DRIVES, AND ALL OTHER EXISTING FEATURES AS IMPACTED BY THE PROPOSED WORK. ALL FEATURES TO BE REINSTATED TO MATCH EXISTING CONDITIONS.
3. CONTRACTOR TO COORDINATE WITH IMPACTED OWNERS WHERE GRINDER STATIONS WILL BE INSTALLED TO ENSURE PROPER SANITARY SERVICE IS BEING MAINTAINED DURING CONSTRUCTION.
4. CONTRACTOR TO COORDINATE WITH GRANT COUNTY HIGHWAY DEPARTMENT FOR ANY NEEDED TEMPORARY LANE CLOSURES TO PERFORM THE PROPOSED WORK.
5. CONTRACTOR IS RESPONSIBLE FOR POTHOLING EXISTING SANITARY SEWER LINE ALONG CR 300 W AND INSTALLATION OF TERMINAL AND IN-LINE FLUSHING STATIONS ON EXISTING SANITARY LINE.
6. HIGH VISIBILITY UTILITY MARKER TO BE INSTALLED AT EACH TERMINAL AND IN-LINE FLUSHING STATION.
7. CONTRACTOR TO INSTALL THRUST BLOCKS AND RESTRAINED JOINTS AT IN-LINE FLUSHING STATIONS, TERMINAL FLUSHING STATIONS, AND CONNECTION TO GRINDER STATIONS AS APPLICABLE.

PROPOSED FLUSHING STATION CONNECTIONS - OVERALL VIEW

SCALE: 1" = 400'-0"

DCCM

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

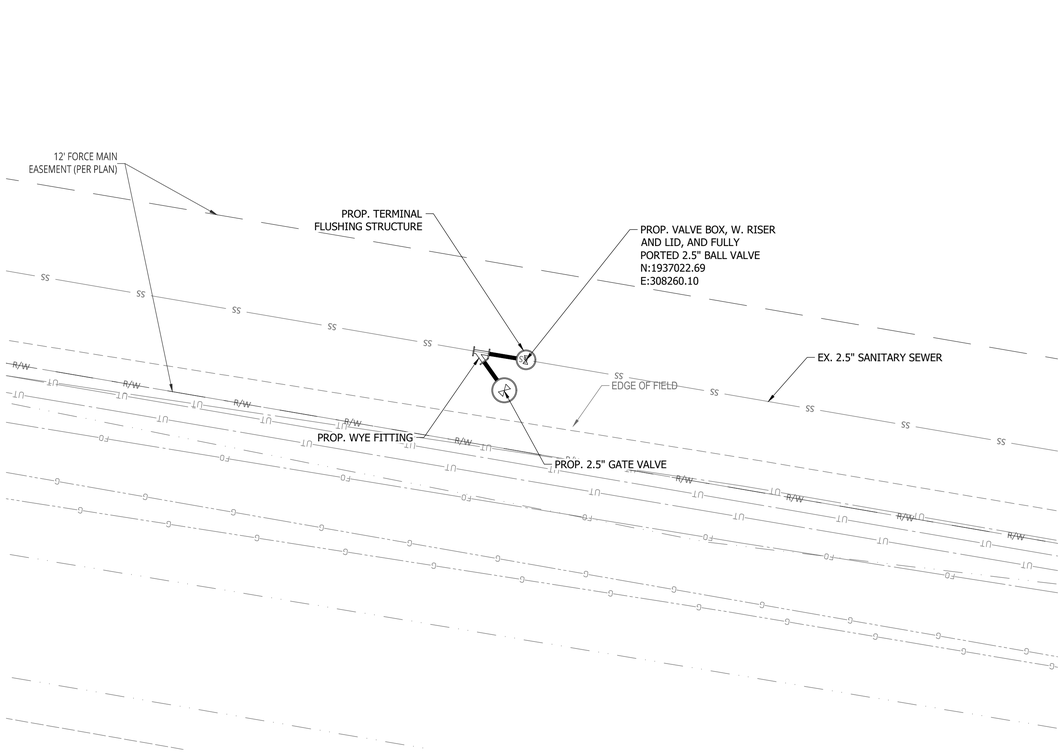
RICARDO JUAN PAREDES ARANCIBIA
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

400' 0 400' 800'
GRAPHIC SCALE

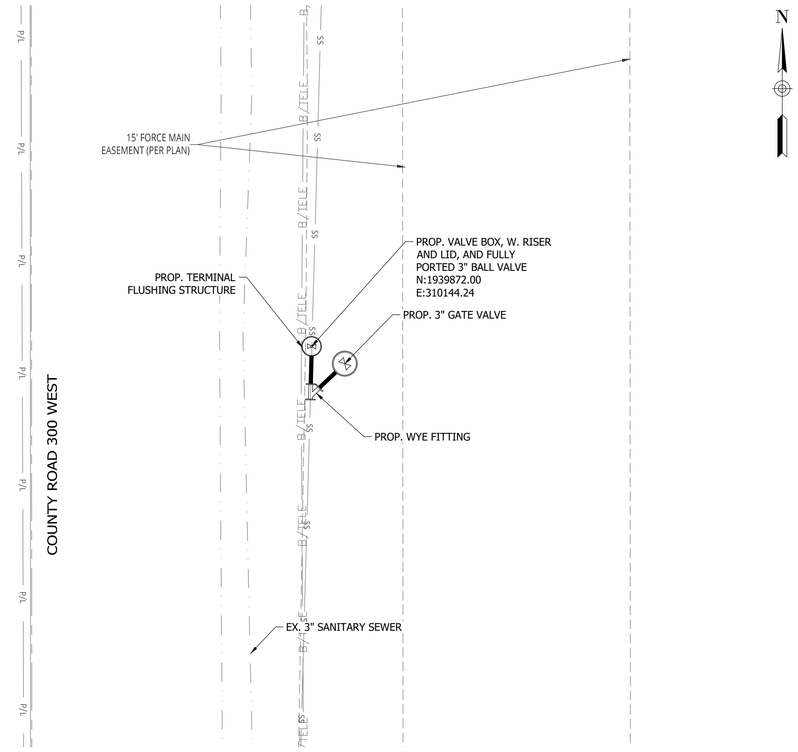
PROPOSED LPS FLUSHING STATION CONNECTIONS - OVERALL VIEW

C202

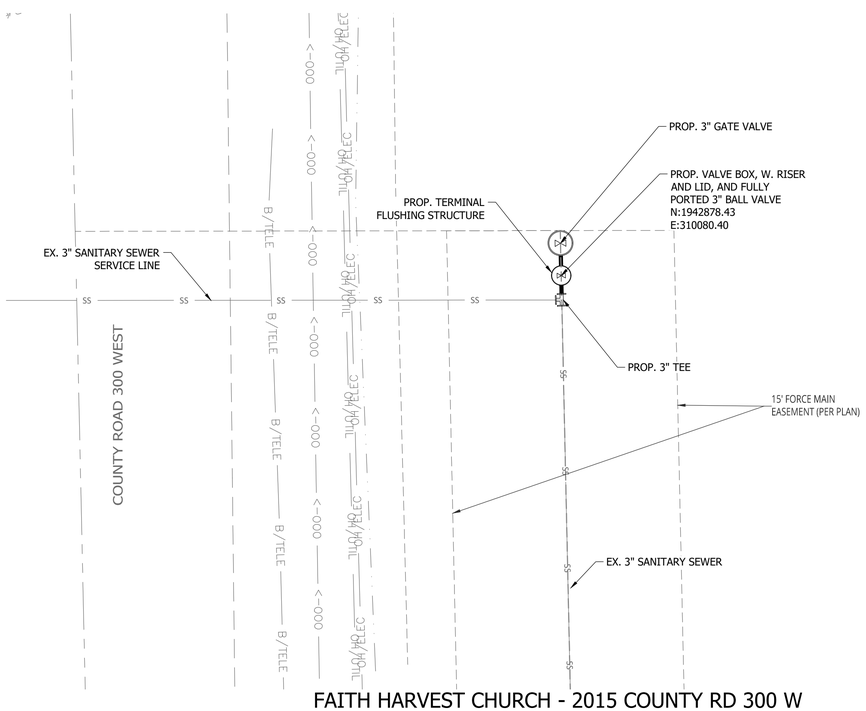
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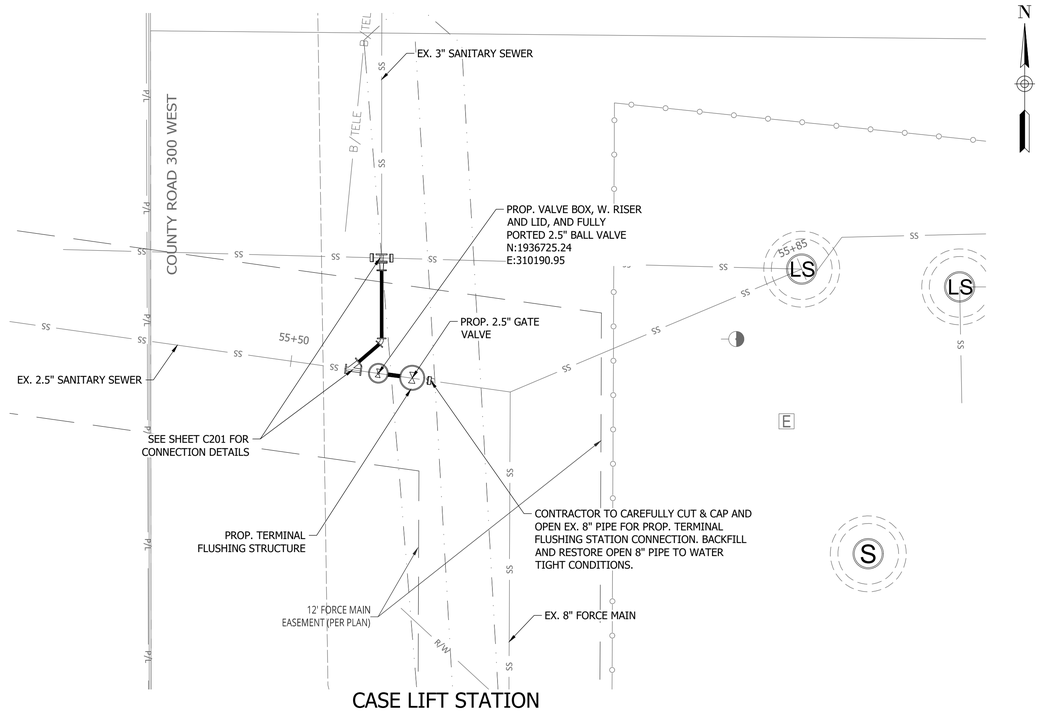
TYPICAL IN-LINE FLUSHING CONNECTION ON 2.5" LPS MAIN
SCALE: 1" = 5'-0"



TYPICAL IN-LINE FLUSHING CONNECTION ON 3" 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"

DCCM

BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

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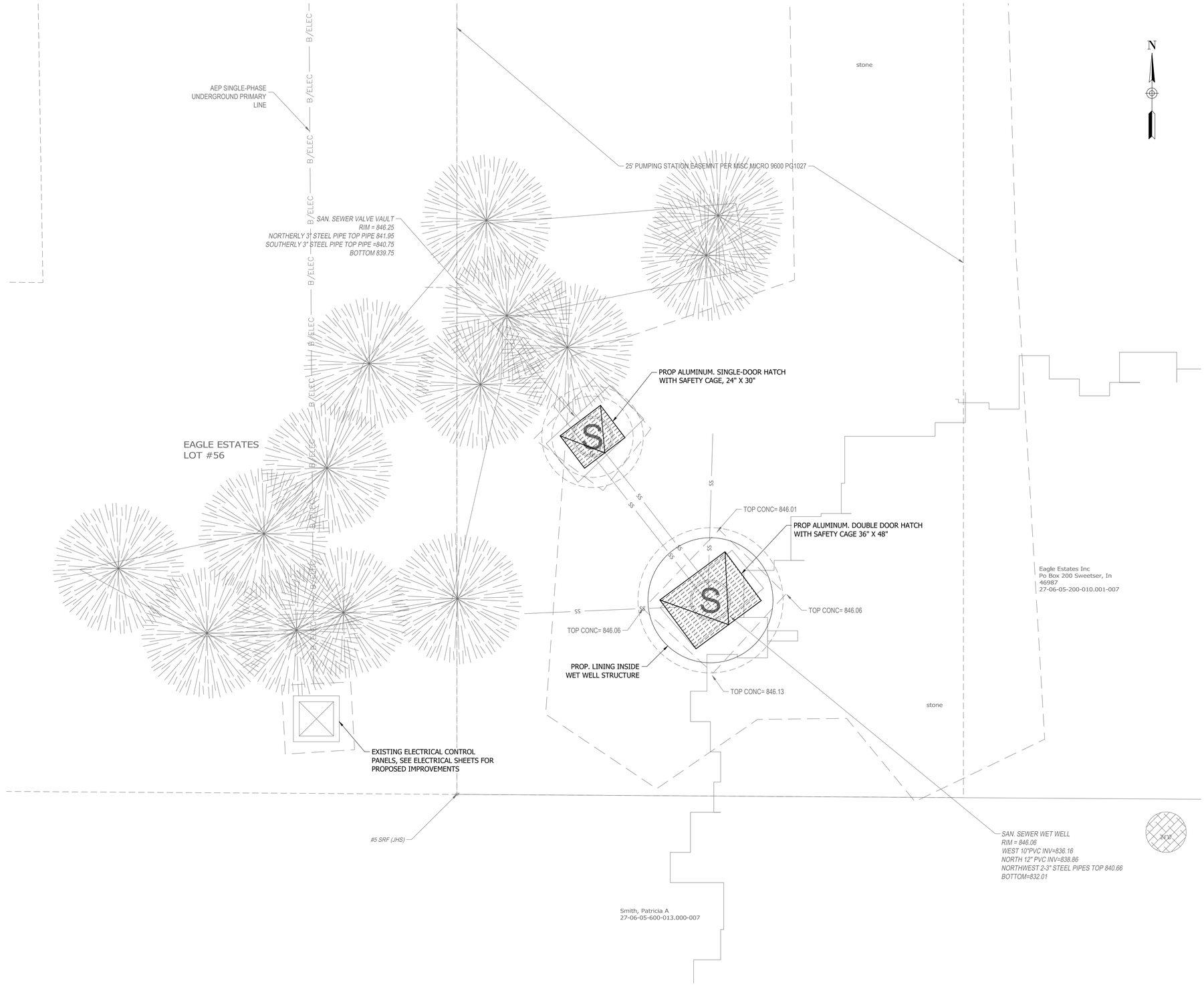
RICARDO JUAN PAREDES ARMSTRONG
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

5' 0 5' 10'
GRAPHIC SCALE

PROPOSED FLUSHING STATION CONNECTIONS - PLAN VIEWS

C203

PRINT DATE: 10/8/26
PLOT SCALE: 1:1 EDIT DATE: 8/24/26 - 2:07 PM EDITED BY: RHUNT DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\5 ACAD\PLAN SHEETS & WORKING DRAWINGS\400-6314 PROPOSED LPS PLAN.DWG



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'

DCCM

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

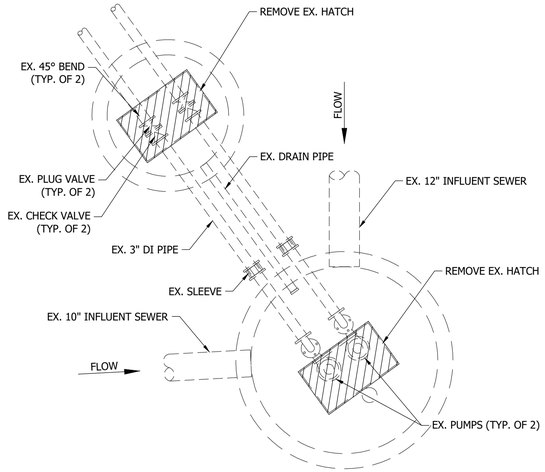
RICARDO JUAN PAREDES ARCHULETA
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

2.5' 0 2.5' 5'
GRAPHIC SCALE

PROPOSED SITE IMPROVEMENTS - EAGLE DRIVE LIFT STATION

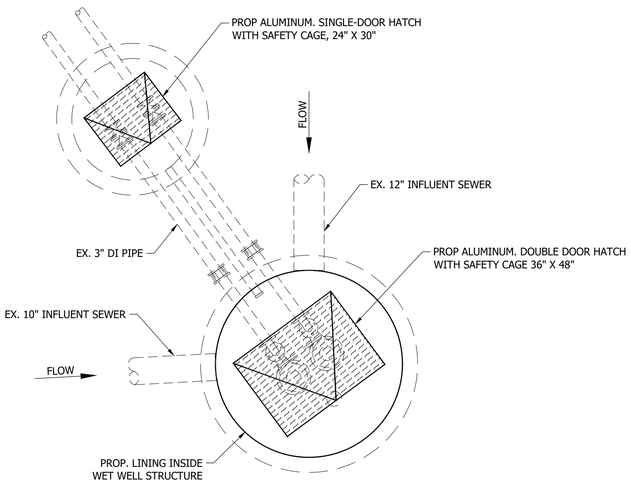
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EXISTING SUBMERSIBLE PUMPING STATION GRADE LEVEL - PLAN VIEW

SCALE: 1" = 2'-6"

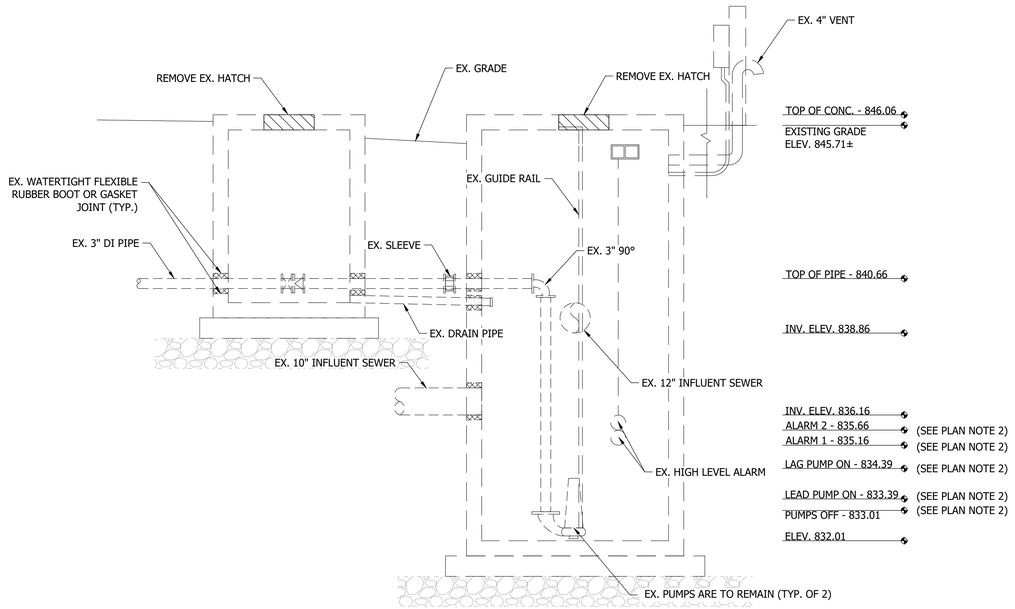


PROPOSED SUBMERSIBLE PUMPING STATION - PLAN VIEW

SCALE: 1" = 2'-6"

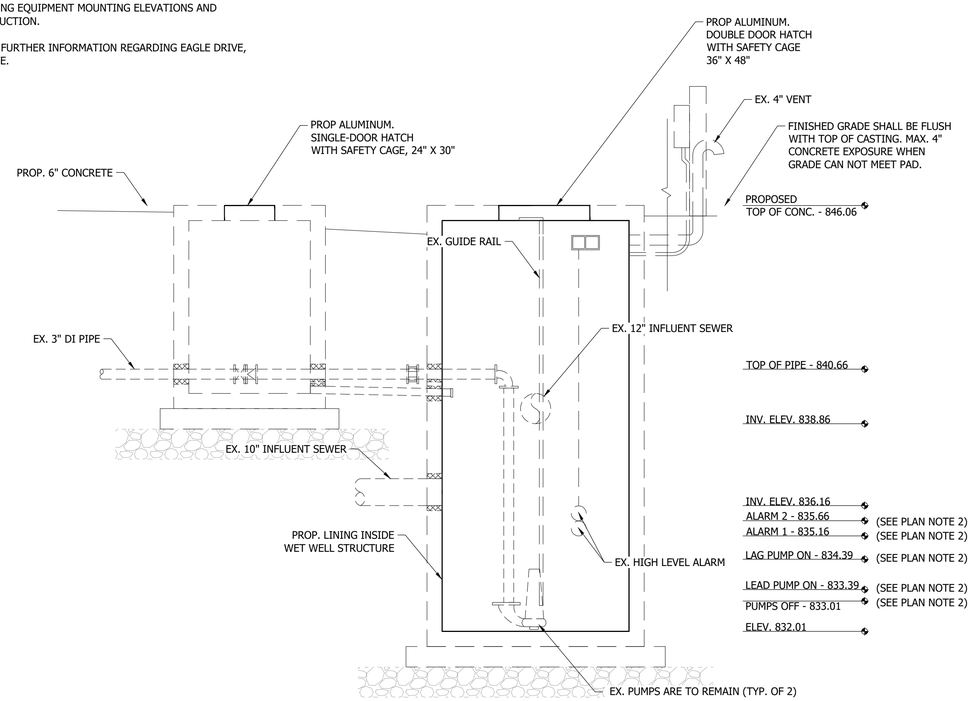
NOTES:

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 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"

N

DCCM

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 ARANCIBIA REGISTERED NO. 11900824 STATE OF INDIANA PROFESSIONAL ENGINEER

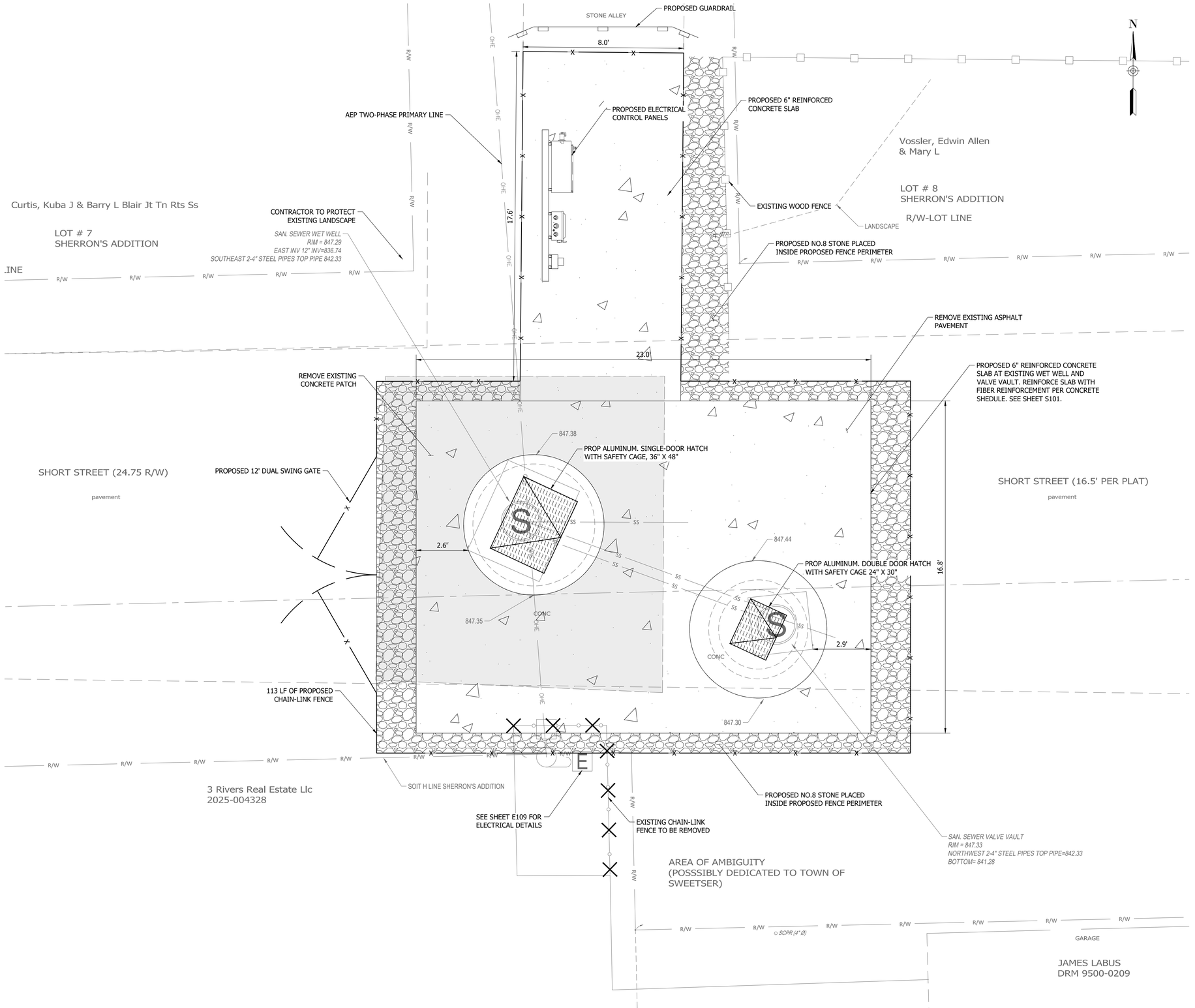
2.5' 0 2.5' 5'

GRAPHIC SCALE

EAGLE DRIVE LIFT STATION PLAN AND SECTION VIEWS

C301

PRINT DATE: 10/8/26
PLOT SCALE: 1:1 EDIT DATE: 8/25/26 - 1:37 PM EDITED BY: RHUNT DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\5 ACAD\PLAN SHEETS & WORKING DRAWINGS\400631 4 LIFT STATION PROPOSED IMPROVEMENTS SECTIONS AND DETAILS.DWG



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

DCCM

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

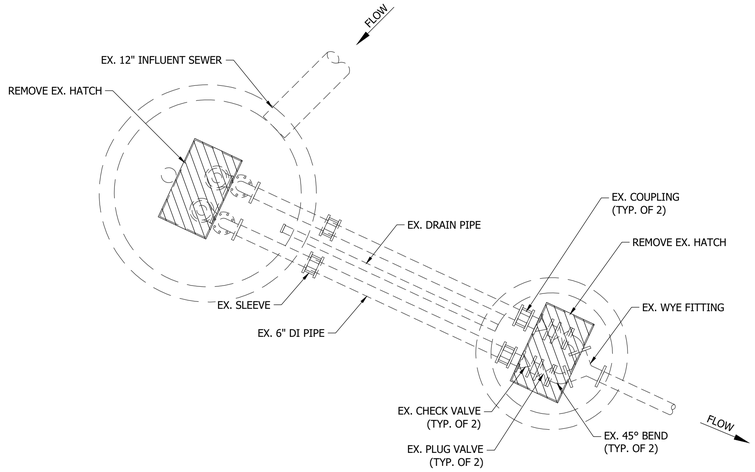
RICARDO JUAN PAREDES ARMSPON
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

2.5' 0 2.5' 5'
GRAPHIC SCALE

PROPOSED SITE IMPROVEMENTS - SHORT STREET LIFT STATION

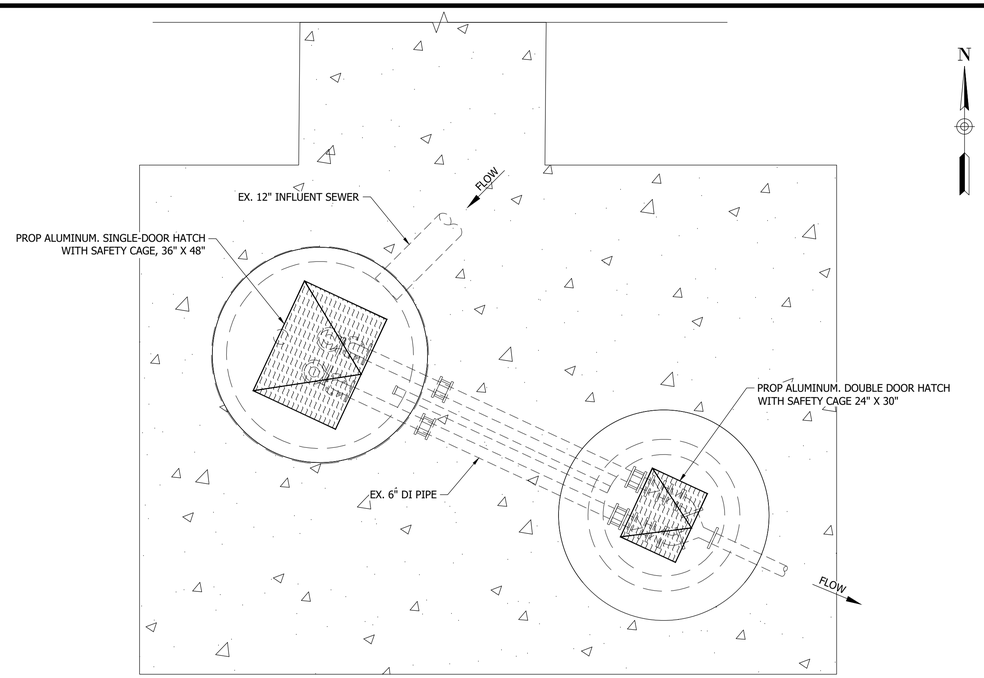
C302

PRINT DATE: 10/8/26
PLOT SCALE: 1:1 EDIT DATE: 8/25/26 - 1:37 PM EDITED BY: RHUNT DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\5 ACAD\PLAN SHEETS & WORKING DRAWINGS\400631 4 LIFT STATION PROPOSED IMPROVEMENTS SECTIONS AND DETAILS.DWG



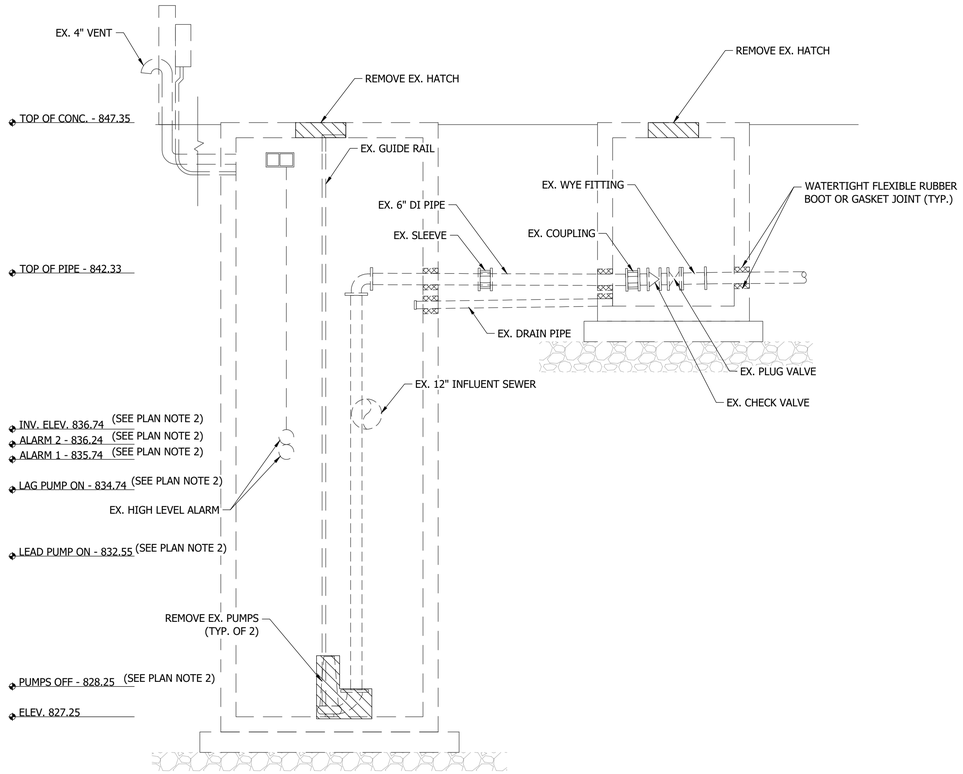
EXISTING SUBMERSIBLE PUMPING STATION GRADE LEVEL - PLAN VIEW

SCALE: 1" = 2'-6"



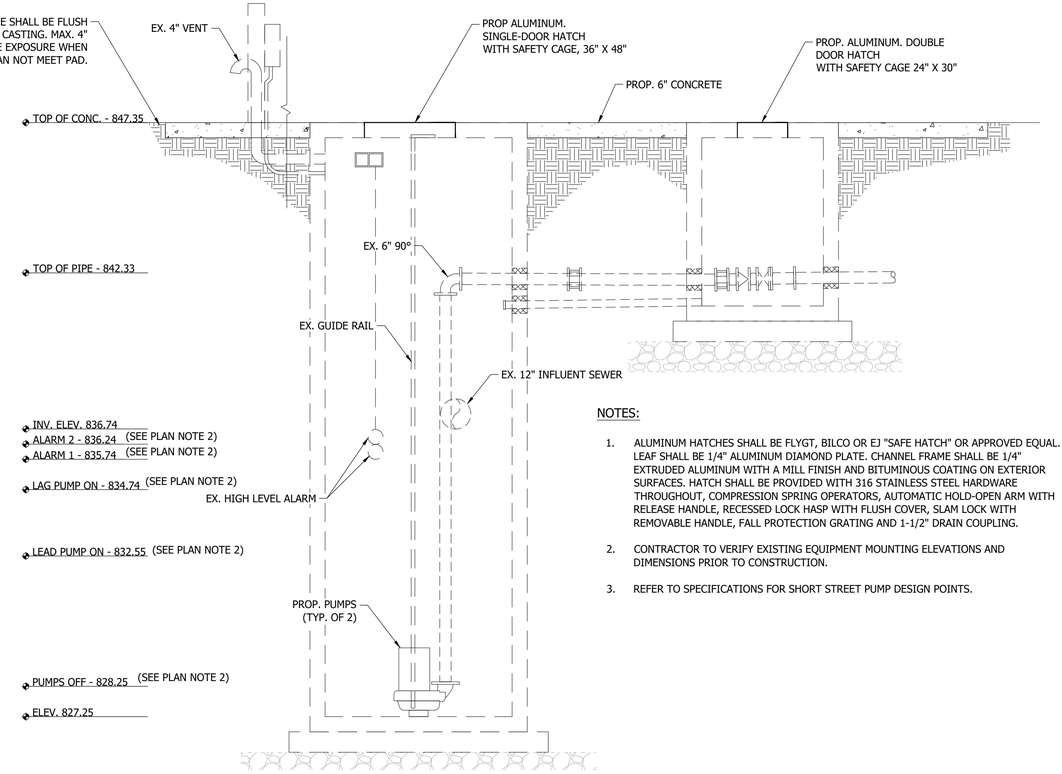
PROPOSED SUBMERSIBLE PUMPING STATION - PLAN VIEW

SCALE: 1" = 2'-6"



EXISTING SUBMERSIBLE PUMPING STATION - SECTION VIEW A-A

SCALE: 1" = 2'-6"



PROPOSED SUBMERSIBLE PUMPING STATION - SECTION VIEW B-B

SCALE: 1" = 2'-6"

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.

DCCM

BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

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Checked By: ALC

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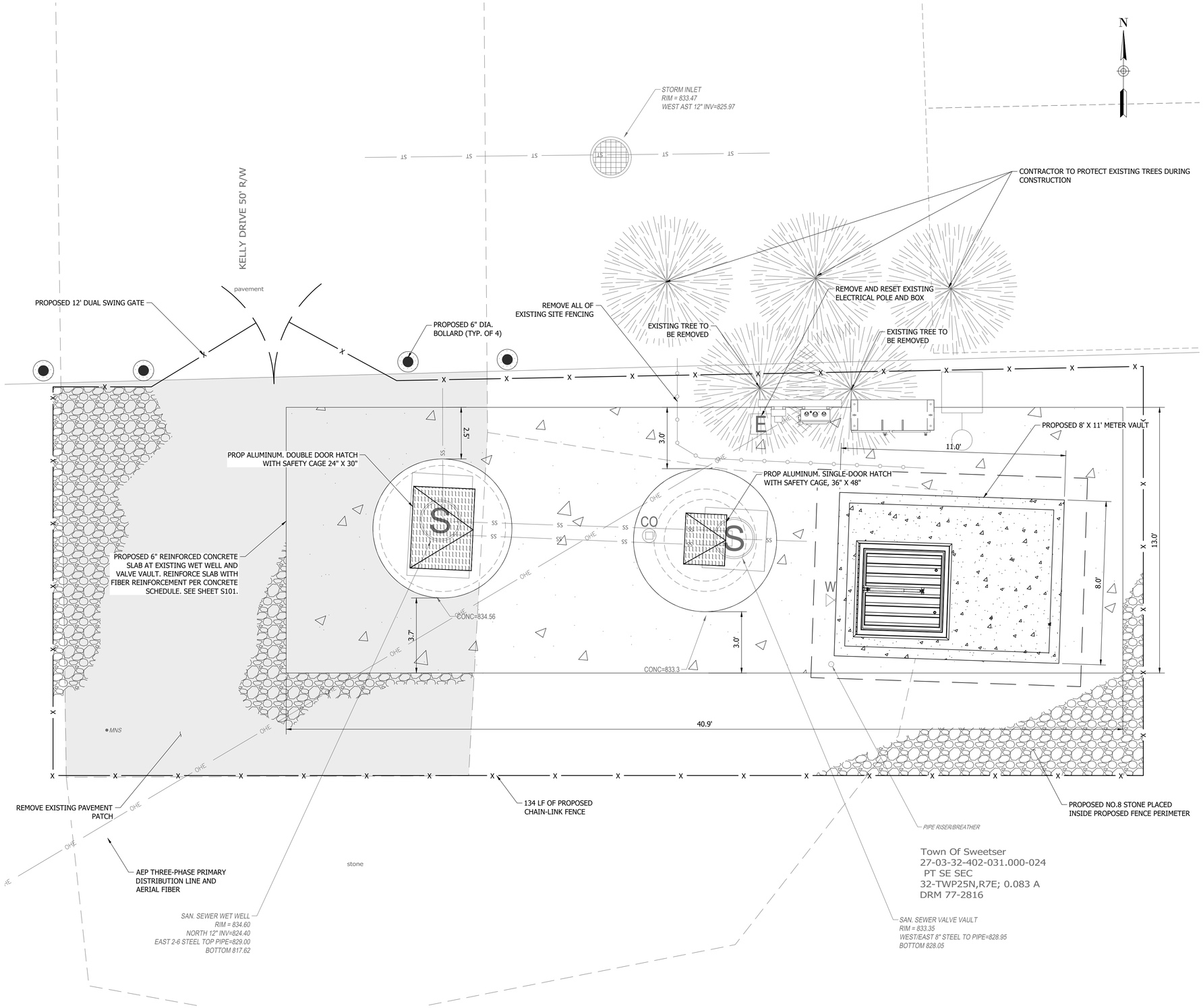
RICARDO JUAN PAREDES ARANCIBIA
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

2.5' 0 2.5' 5'
GRAPHIC SCALE

SHORT STREET LIFT STATION PLAN AND SECTION VIEWS

C303

PRINT DATE: 10/8/26
PLOT SCALE: 1:1 EDIT DATE: 8/25/26 - 1:37 PM EDITED BY: RHUNT DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\6 ACAD\PLAN SHEETS & WORKING DRAWINGS\400631 4 LIFT STATION PROPOSED IMPROVEMENTS SECTIONS AND DETAILS.DWG



KELLY 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. PEAK DESIGN FLOW: 524 GPM.
   B. TDH: 153 FT.

DCCM

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

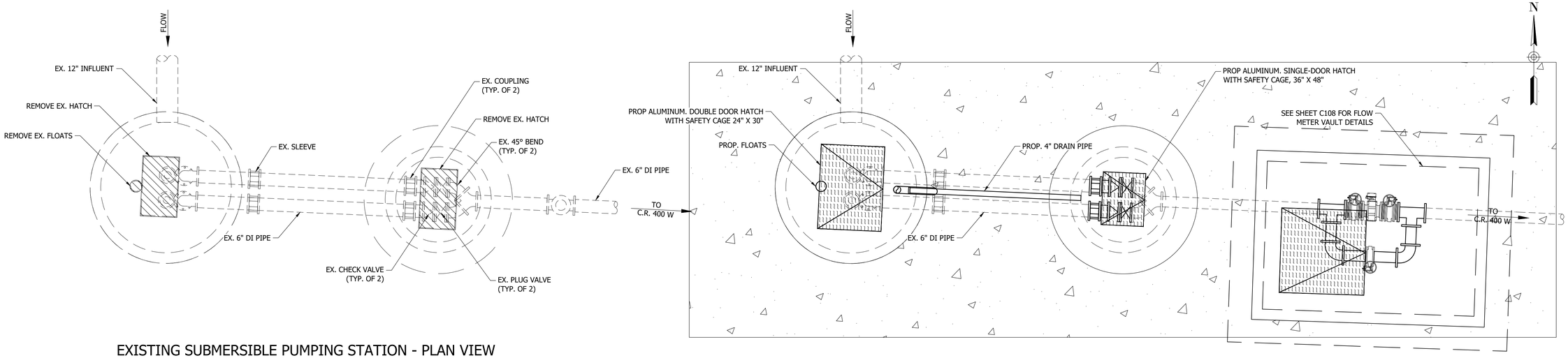
RICARDO JUAN PAREDES ARROYO
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

2.5' 0 2.5' 5'
GRAPHIC SCALE

PROPOSED SITE IMPROVEMENTS - KELLY LIFT STATION

C304

PRINT DATE: 10/8/26
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EXISTING SUBMERSIBLE PUMPING STATION - PLAN VIEW

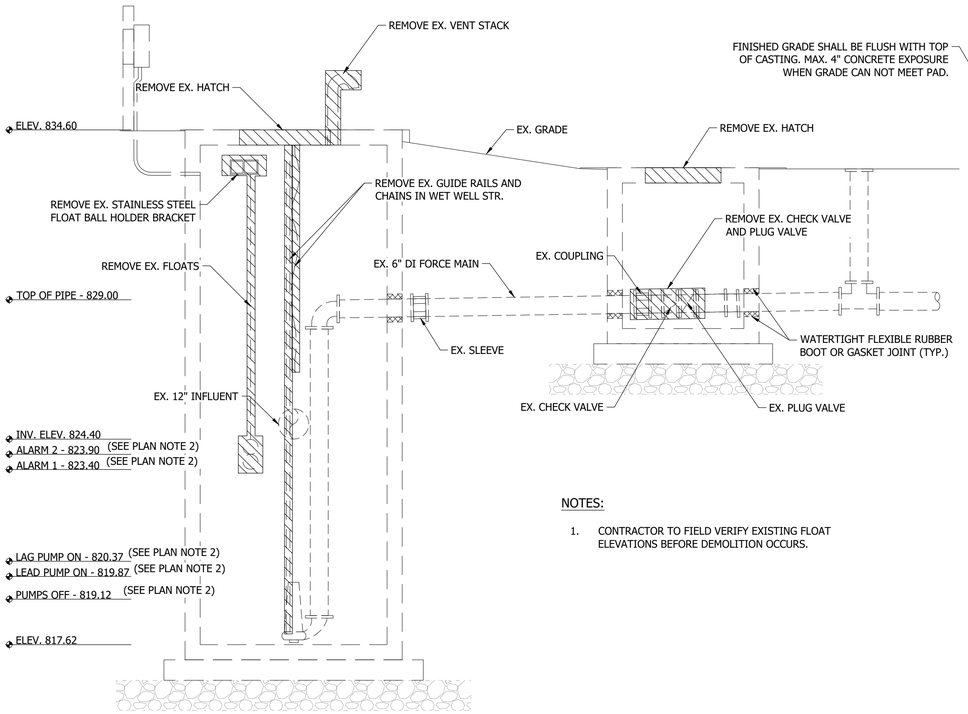
SCALE: 1" = 2'-6"

PROPOSED SUBMERSIBLE PUMPING STATION - PLAN VIEW

SCALE: 1" = 2'-6"

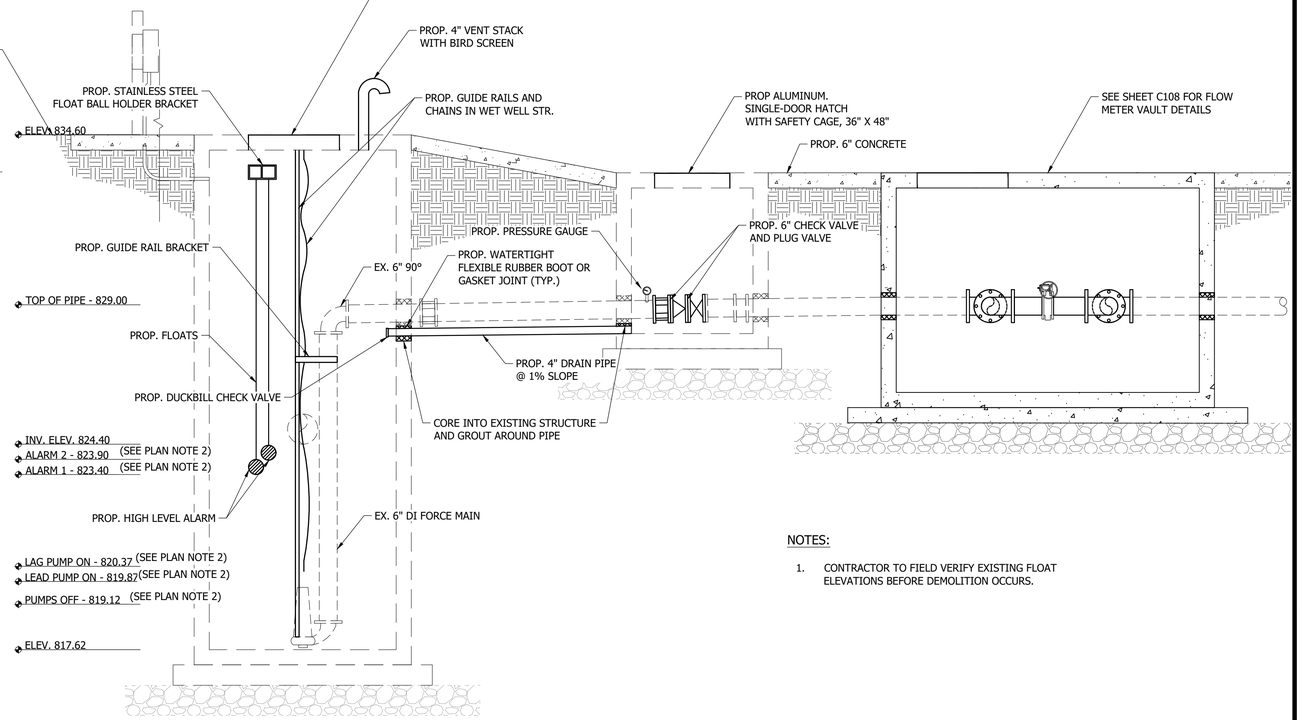
NOTES:

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 FURTHER INFORMATION REGARDING EAGLE DRIVE, SHORT STREET AND KELLY DRIVE.



NOTES:

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



NOTES:

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

EXISTING SUBMERSIBLE PUMPING STATION - SECTION VIEW

SCALE: 1" = 2'-6"

PROPOSED SUBMERSIBLE PUMPING STATION - SECTION VIEW

SCALE: 1" = 2'-6"

DCCM

BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

Project #: 400-6314

Designed By: RJPA

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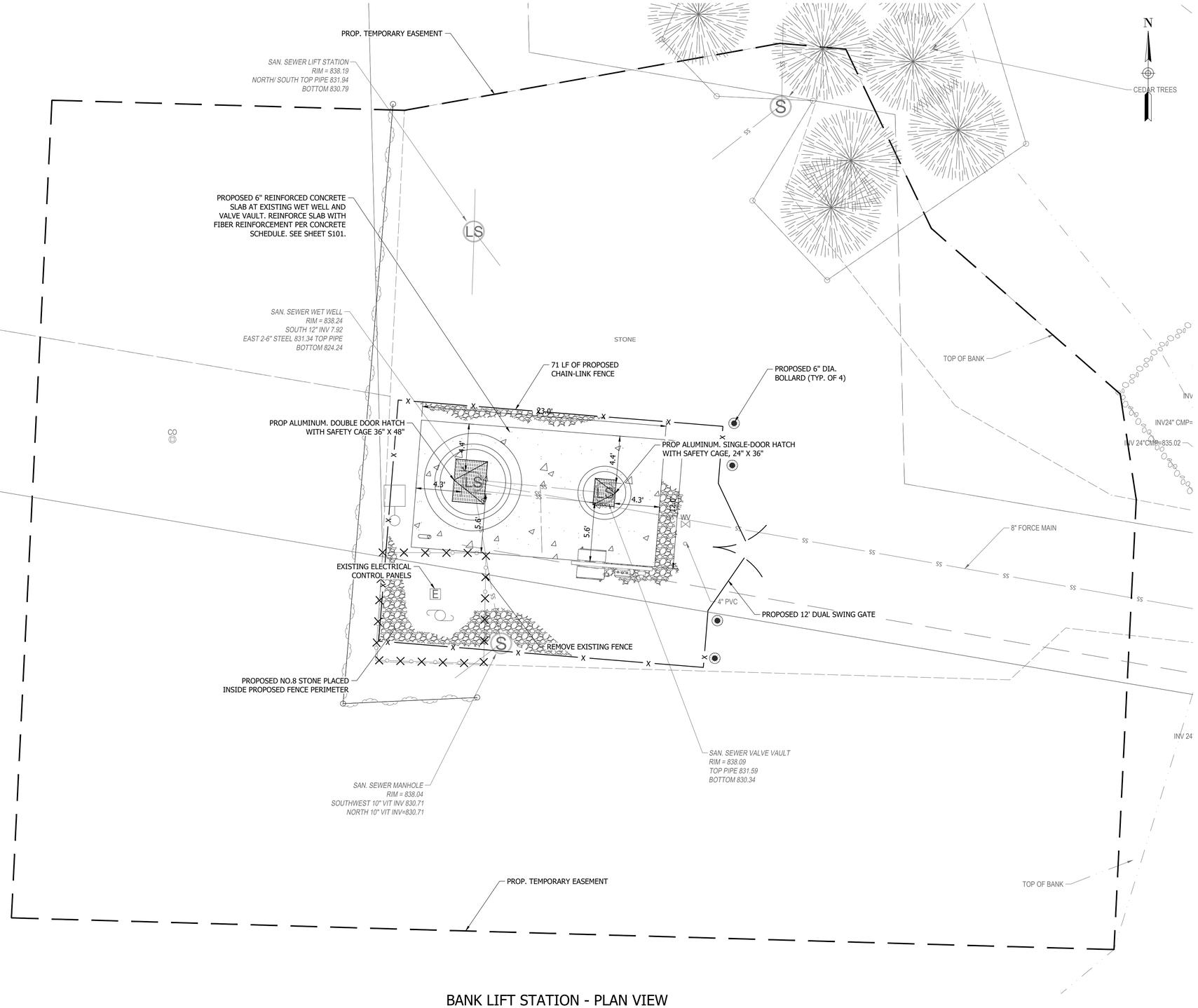
RICARDO JUAN PAREDES ARANCIBIA
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

2.5' 0 2.5' 5'
GRAPHIC SCALE

KELLY LIFT STATION PLAN AND SECTION VIEWS

C305

PRINT DATE: 10/9/26
PLOT SCALE: 1:1 EDIT DATE: 9/25/26 - 1:37 PM EDITED BY: RHUNT DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\6 ACAD\PLAN SHEETS & WORKING DRAWINGS\400631 4 LIFT STATION PROPOSED IMPROVEMENTS SECTIONS AND DETAILS.DWG



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

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.
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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.

DCCM

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

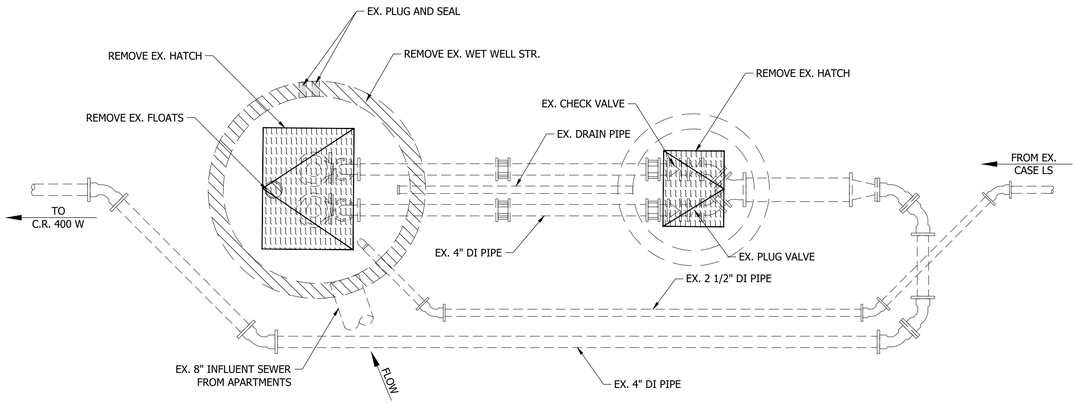
RICARDO JUAN PAREDES ARANCIBIA
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

5' 0 5' 10'
GRAPHIC SCALE

PROPOSED SITE IMPROVEMENTS - BANK LIFT STATION

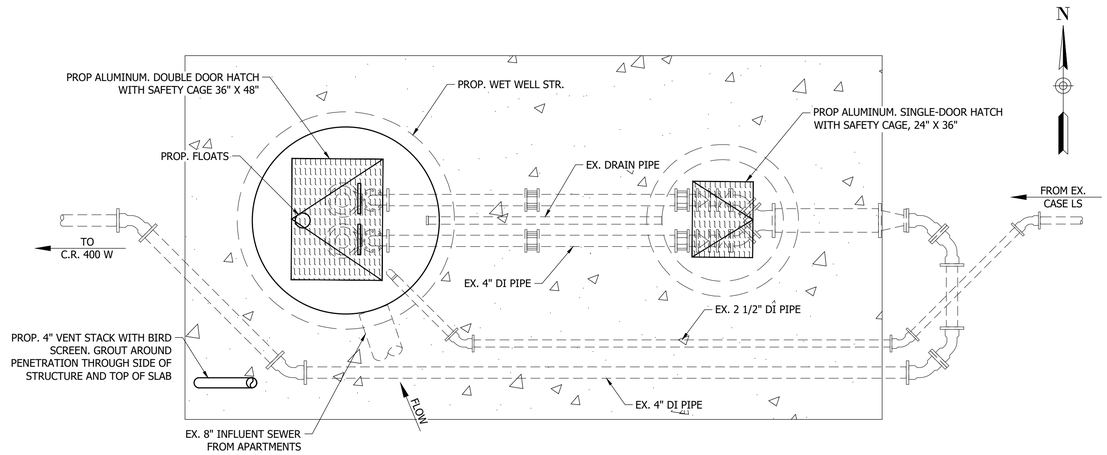
C306

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EXISTING SUBMERSIBLE PUMPING STATION GRADE LEVEL - PLAN VIEW

SCALE: 1" = 2'-6"

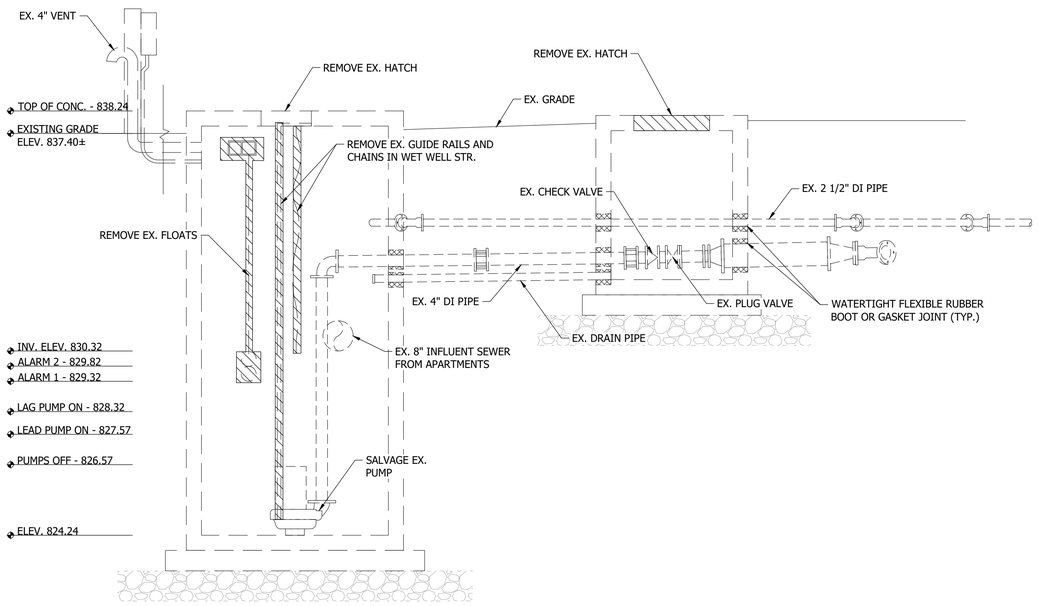


PROPOSED SUBMERSIBLE PUMPING STATION GRADE LEVEL - PLAN VIEW

SCALE: 1" = 2'-6"

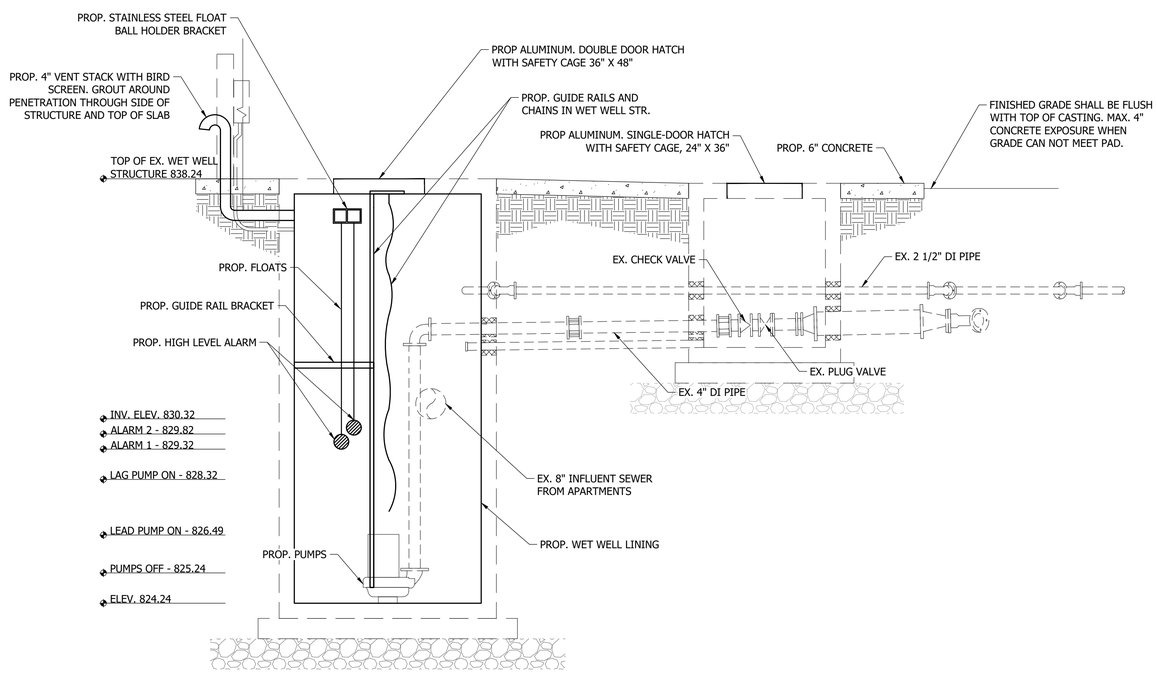
NOTE:

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"

DCCM

BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

Project #: 400-6314

Designed By: RJPA

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Date: 08/28/2026

RICARDO JUAN PAREDES ARANCIBIA REGISTERED No. 11900824 STATE OF INDIANA PROFESSIONAL ENGINEER

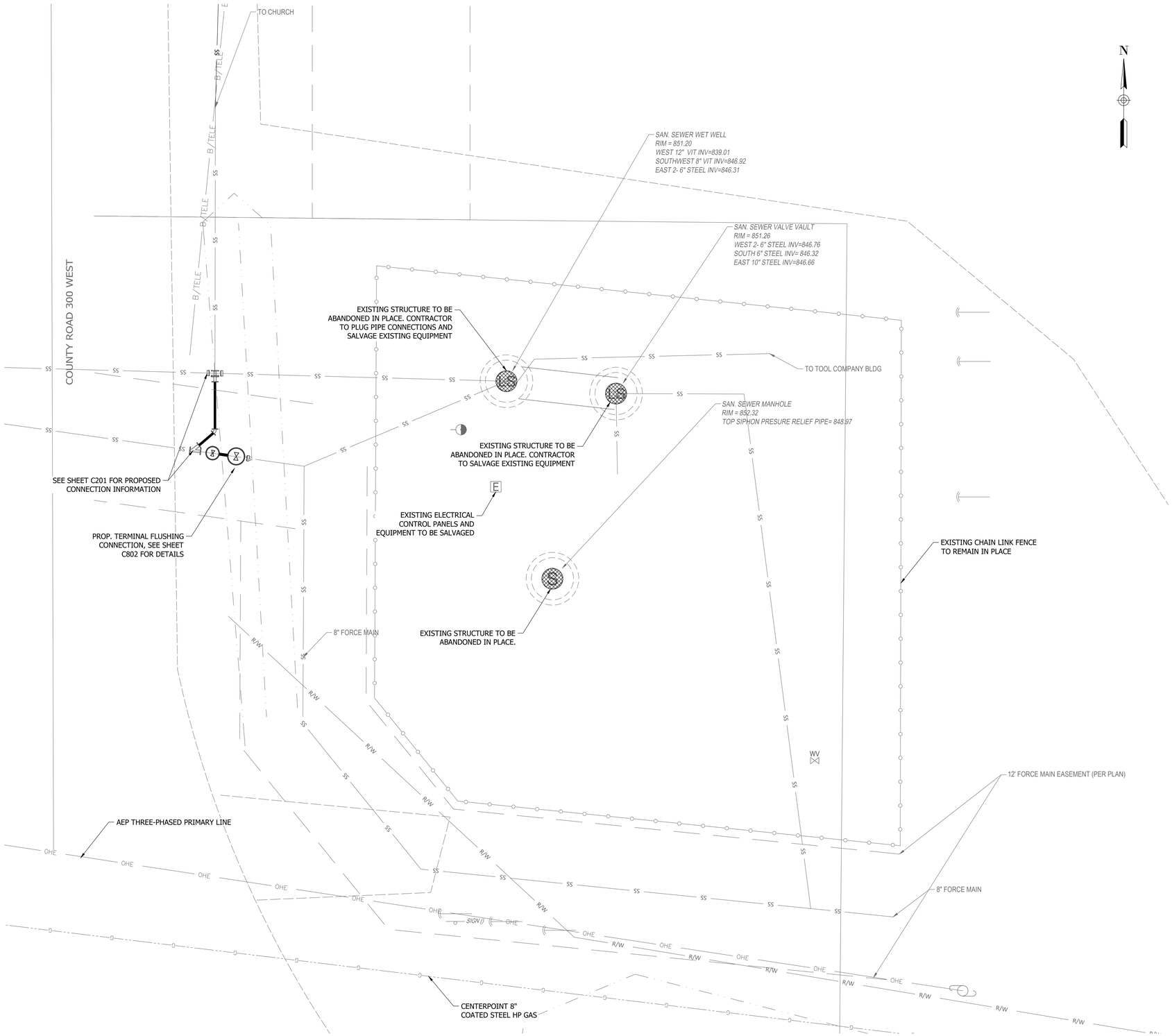
2.5' 0 2.5' 5'

GRAPHIC SCALE

BANK LIFT STATION PLAN AND SECTION VIEWS

C307

PRINT DATE: 10/8/26
PLOT SCALE: 1:1 EDIT DATE: 8/25/26 - 1:37 PM EDITED BY: RHUNT DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\6 ACAD\PLAN SHEETS & WORKING DRAWINGS\400631 4 LIFT STATION PROPOSED IMPROVEMENTS SECTIONS AND DETAILS.DWG



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

PLAN NOTES

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

DCCM

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

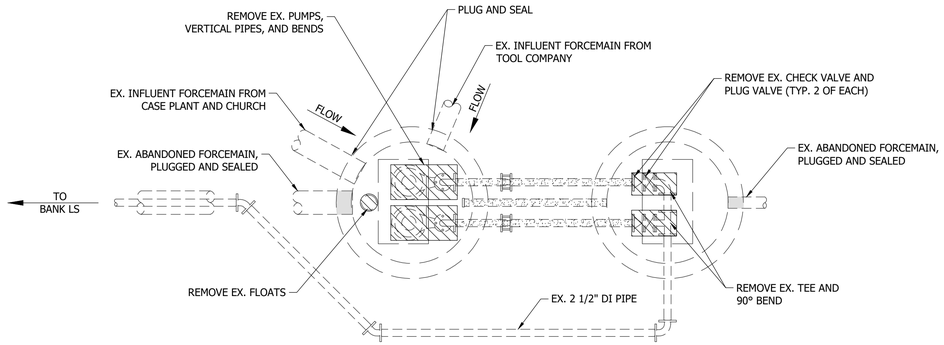
RICARDO JUAN PAREDES ARANGOPPA
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

5' 0 5' 10'
GRAPHIC SCALE

PROPOSED SITE IMPROVEMENTS - CASE LIFT STATION

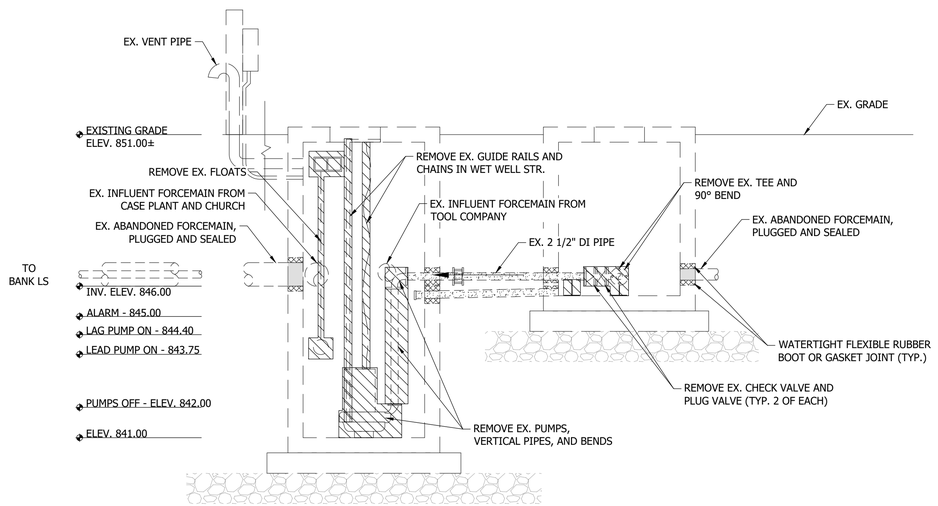
C308

PRINT DATE: 10/8/26
PLOT SCALE: 1:1 EDIT DATE: 8/25/26 - 1:37 PM EDITED BY: RHUNT DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\5 ACAD\PLAN SHEETS & WORKING DRAWINGS\400631 4 LIFT STATION PROPOSED IMPROVEMENTS SECTIONS AND DETAILS.DWG



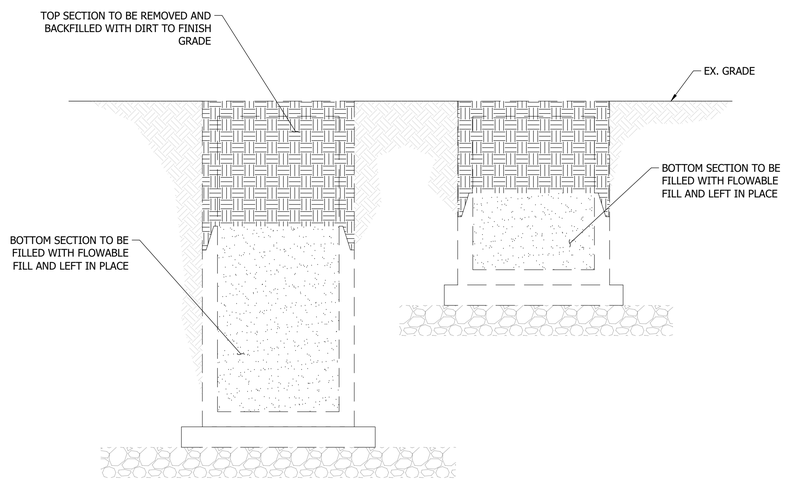
EXISTING SUBMERSIBLE PUMPING STATION GRADE LEVEL - PLAN VIEW

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.

DCCM

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 ARROYO
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

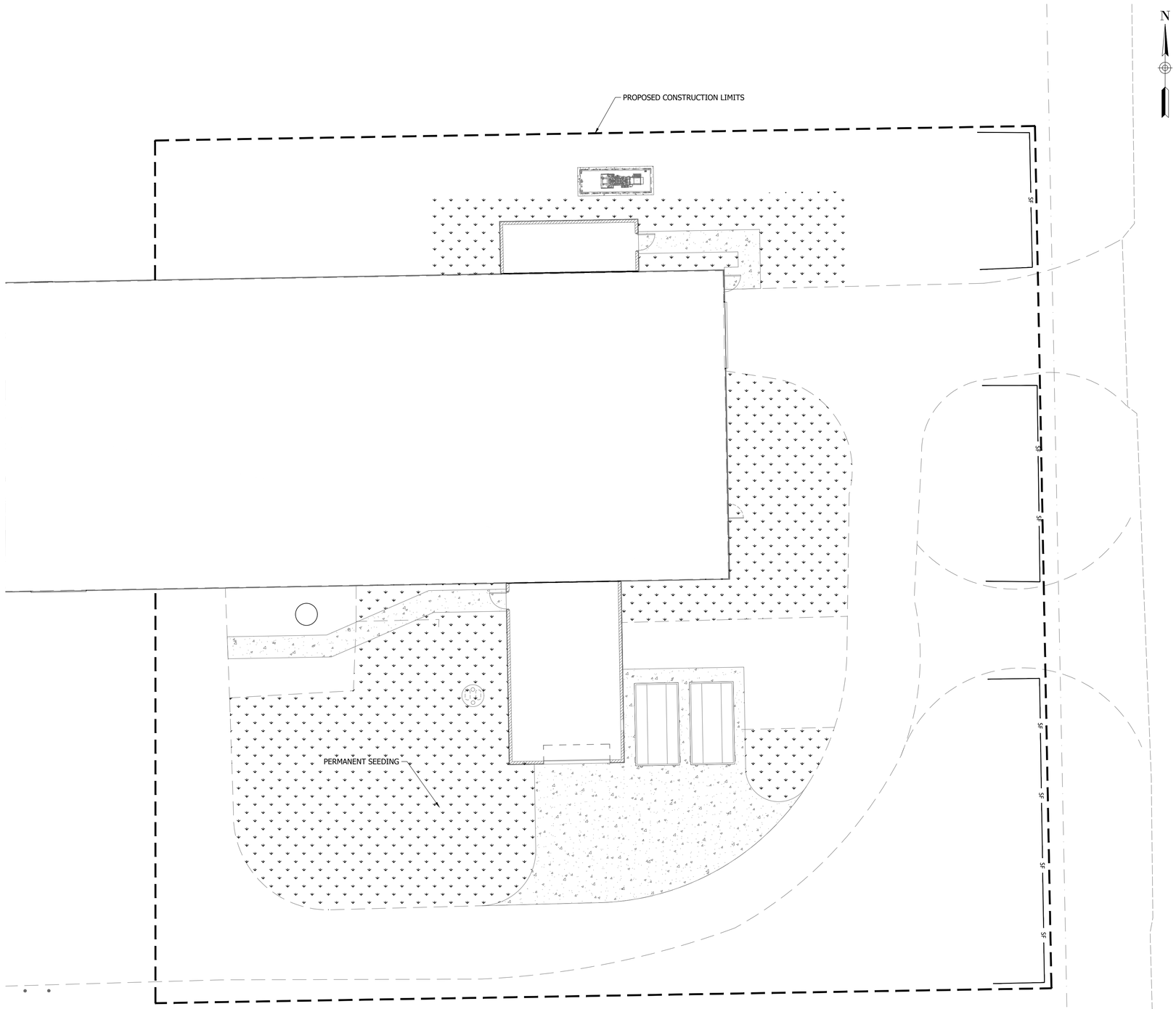
2.5' 0 2.5' 5'

GRAPHIC SCALE

CASE LIFT STATION PLAN AND SECTION VIEWS

C309

PRINT DATE: 10/9/26
PLOT SCALE: 1:1 EDIT DATE: 9/25/26 - 1:37 PM EDITED BY: RHUNT DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\6 ACAD\PLAN SHEETS & WORKING DRAWINGS\400631 4 LIFT STATION PROPOSED IMPROVEMENTS SECTIONS AND DETAILS.DWG



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.

DCCM

BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

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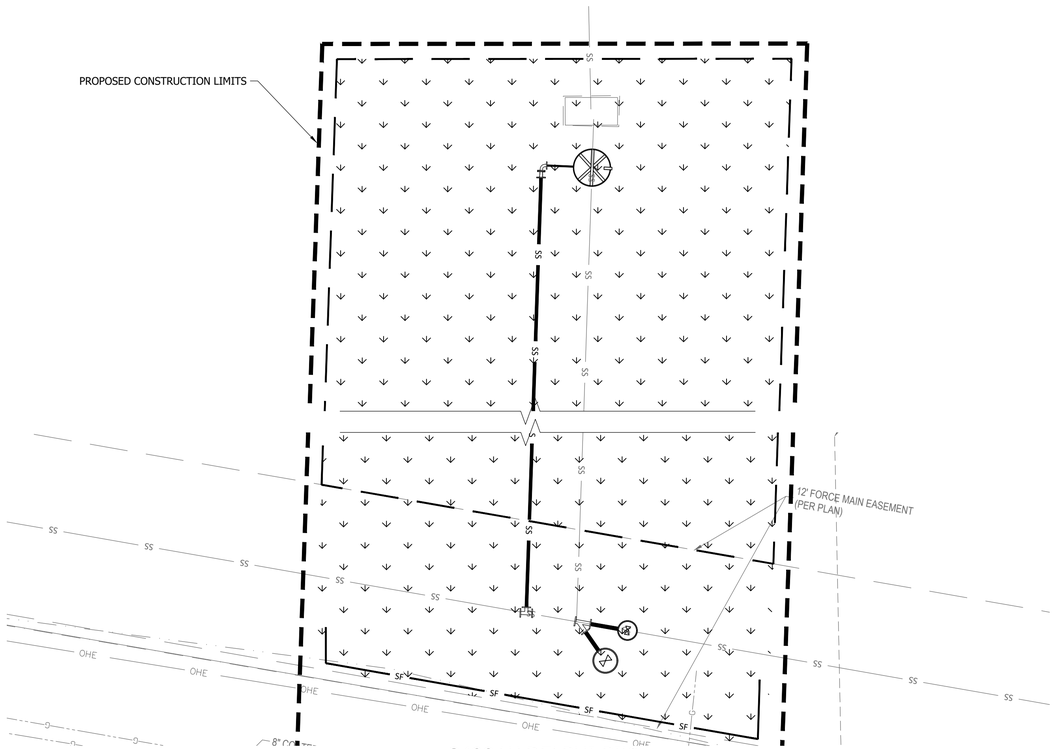
RICARDO JUAN PAREDES ARROYO
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

10' 0 10' 20'
GRAPHIC SCALE

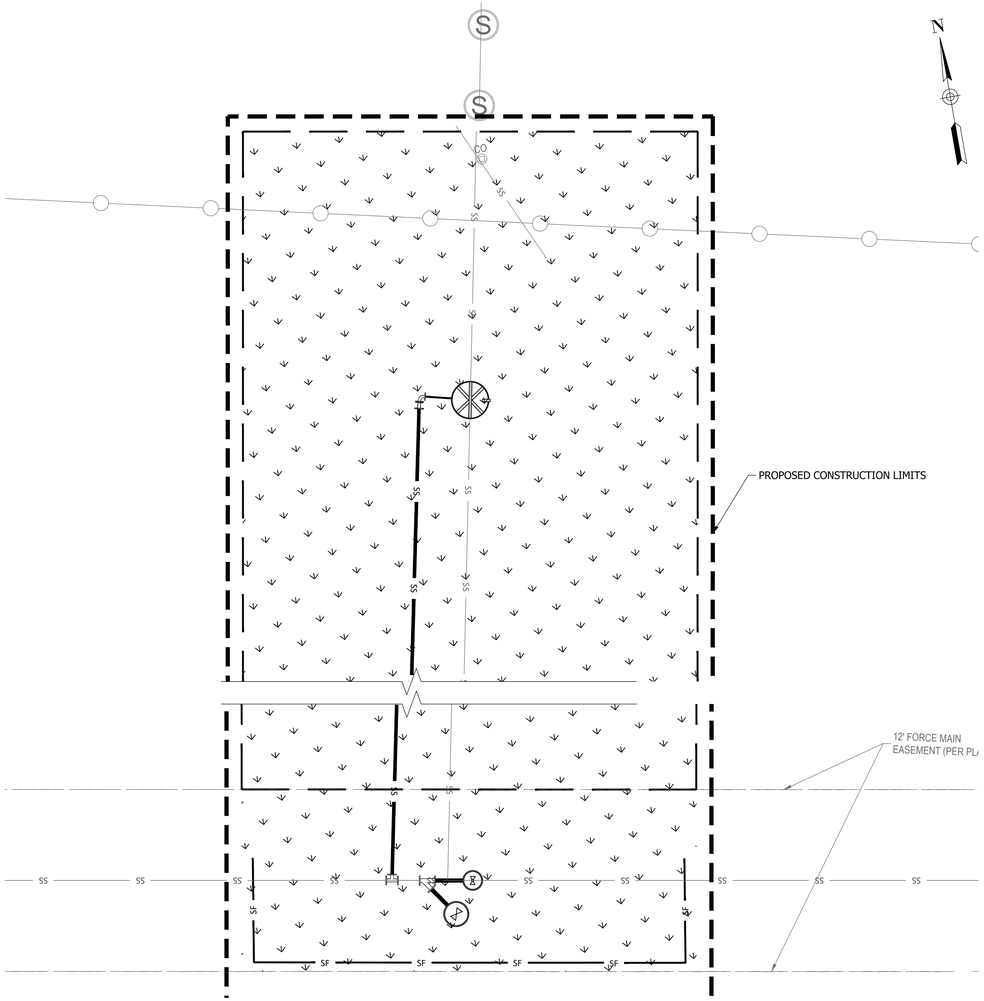
EROSION CONTROL - OVERALL SITE LAYOUT

C700

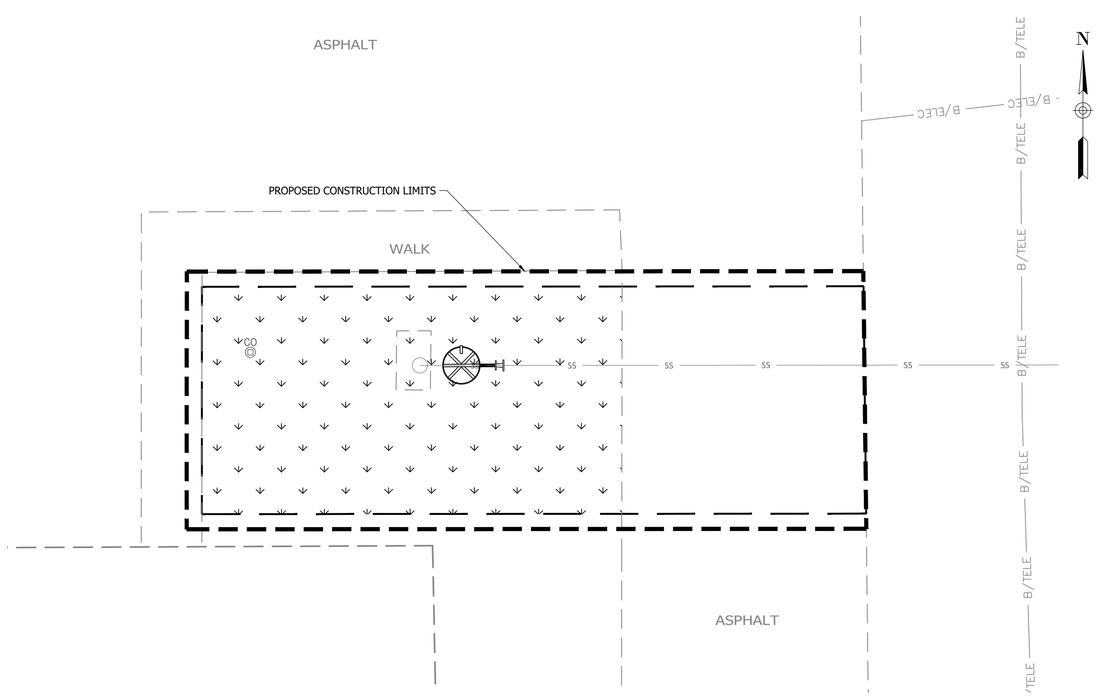
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PLOT SCALE: 1:1 EDIT DATE: 8/25/26 - 7:03 AM EDITED BY: RHUNT DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\5 ACAD\PLAN SHEETS & WORKING DRAWINGS\400631 4 EROSION CONTROL PLANS.DWG



3490 W DELPHI PIKE
EROSION CONTROL - GRINDER PUMP CONNECTION
SCALE: 1" = 5'-0"



3072 W DELPHI PIKE
EROSION CONTROL - GRINDER PUMP CONNECTION
SCALE: 1" = 5'-0"



2015 COUNTY RD 300 W
EROSION CONTROL - GRINDER PUMP CONNECTION
SCALE: 1" = 5'-0"

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

PLAN NOTES

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

DCCM

BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

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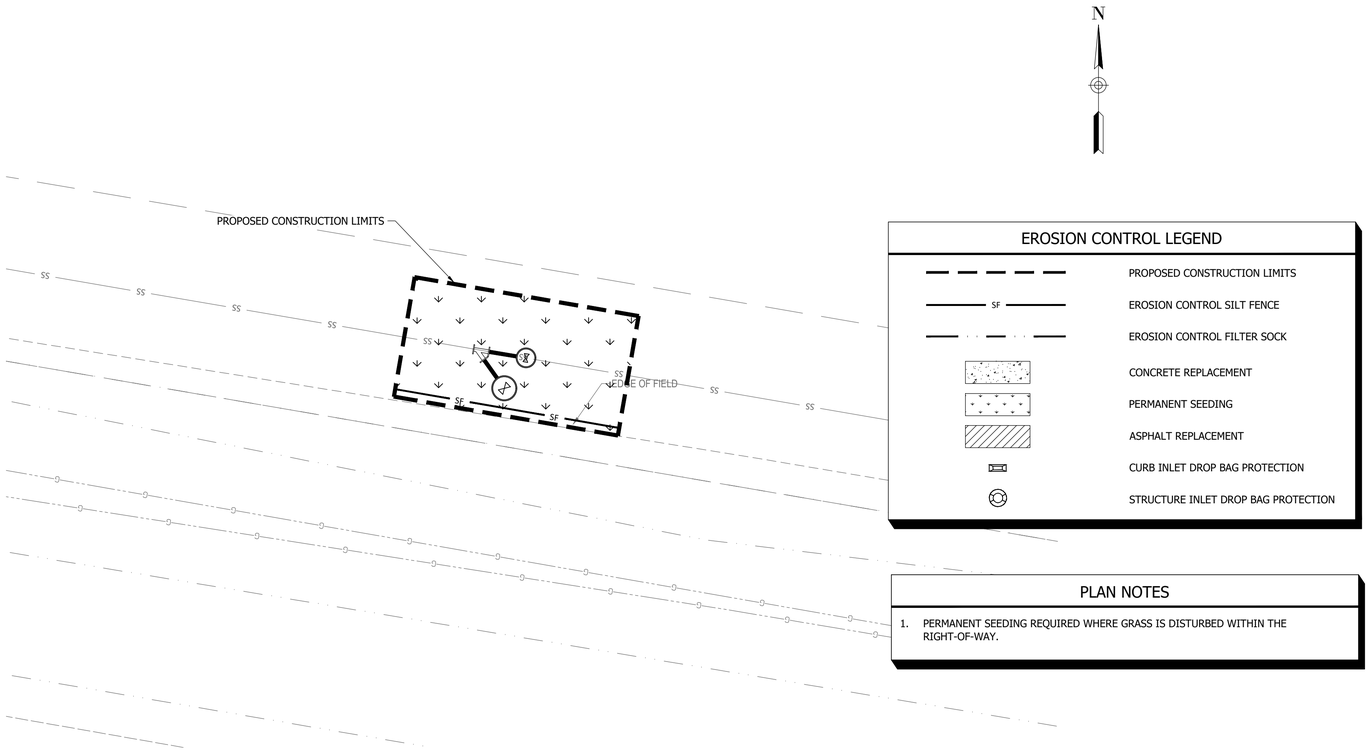
RICARDO JUAN PAREDES ARMSPOKK
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

5' 0 5' 10'
GRAPHIC SCALE

EROSION CONTROL - GRINDER PUMP CONNECTIONS

C701

PRINT DATE: 10/8/26
PLOT SCALE: 1:1 EDIT DATE: 8/25/26 - 7:03 AM EDITED BY: RHUNT DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\5 ACAD\PLAN SHEETS & WORKING DRAWINGS\400631 4 EROSION CONTROL PLANS.DWG



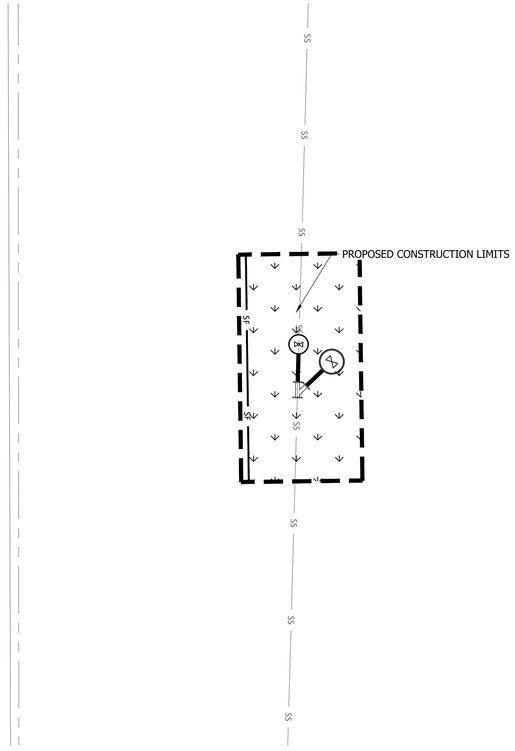
EROSION CONTROL LEGEND

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

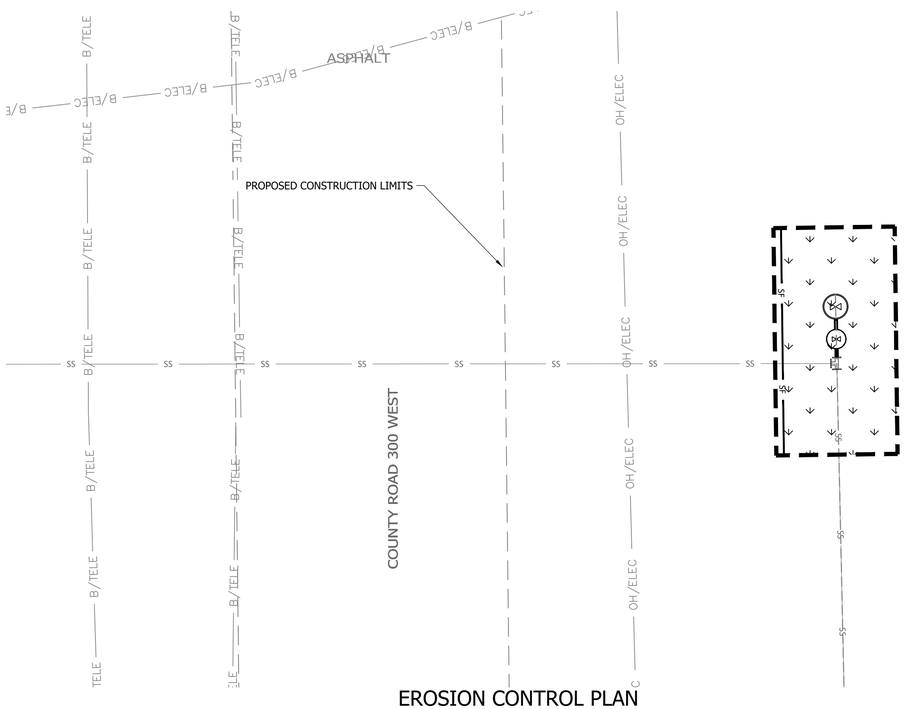
PLAN NOTES

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

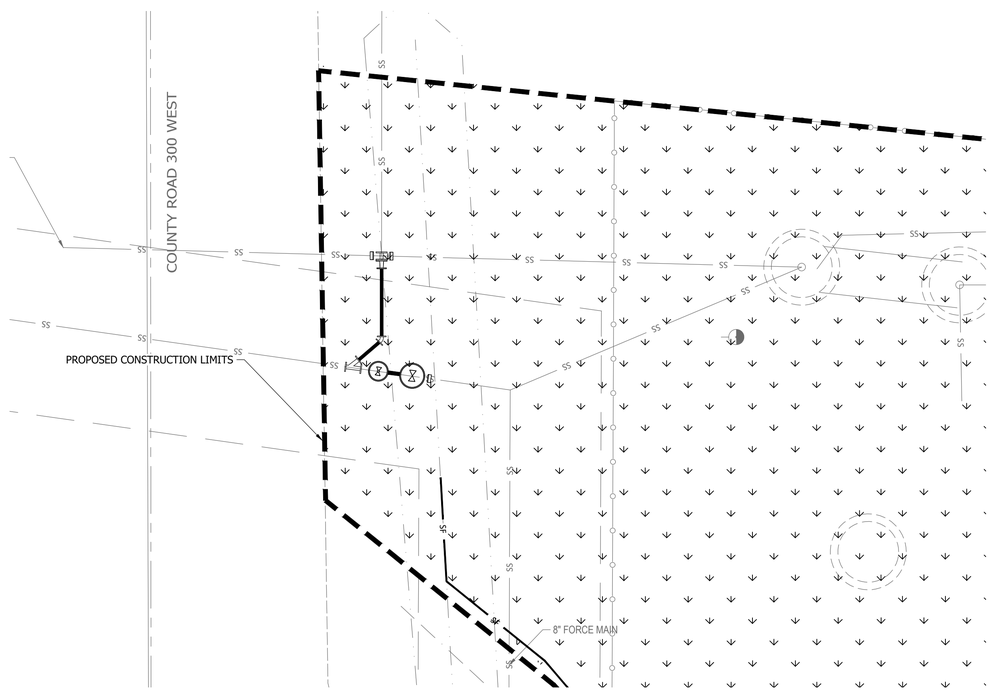
TYPICAL EROSION CONTROL DETAIL ON 2.5" LPS MAIN
SCALE: 1" = 5'-0"



TYPICAL EROSION CONTROL DETAIL ON 3" LPS MAIN
SCALE: 1" = 5'-0"



EROSION CONTROL PLAN
FAITH HARVEST CHURCH - 2015 COUNTY RD 300 W
SCALE: 1" = 5'-0"



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

DCCM

BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

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Drawn By: RLH
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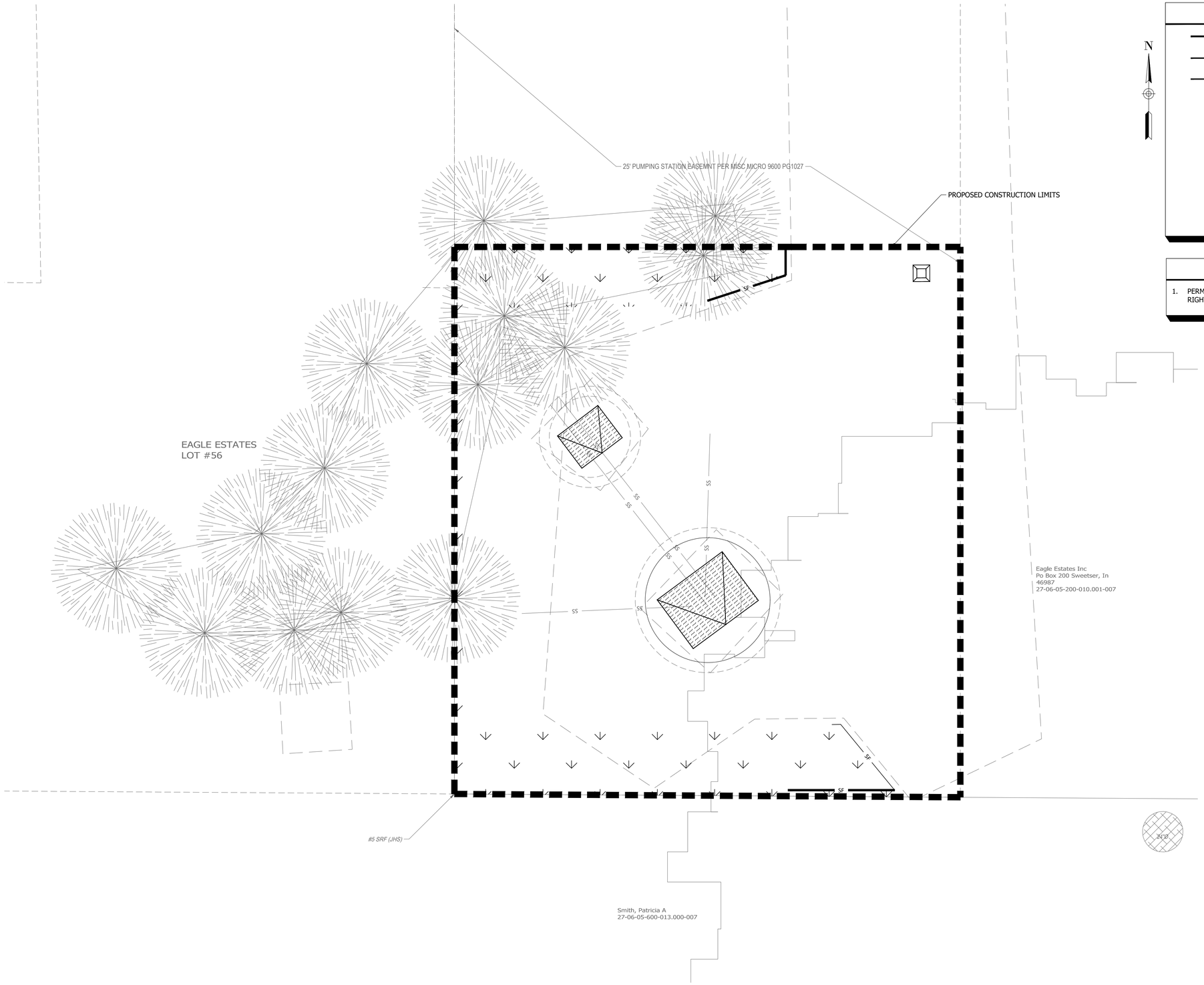
RICARDO JUAN PAREDES ARONOFSKY
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

5' 0 5' 10'
GRAPHIC SCALE

EROSION CONTROL - FLUSHING STATION CONNECTIONS

C702

PRINT DATE: 10/8/26
PLOT SCALE: 1:1 EDIT DATE: 8/25/26 - 7:03 AM EDITED BY: RHUNT DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\S ACAD\PLAN SHEETS & WORKING DRAWINGS\400631 4 EROSION CONTROL PLANS.DWG



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

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.

DCCM

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

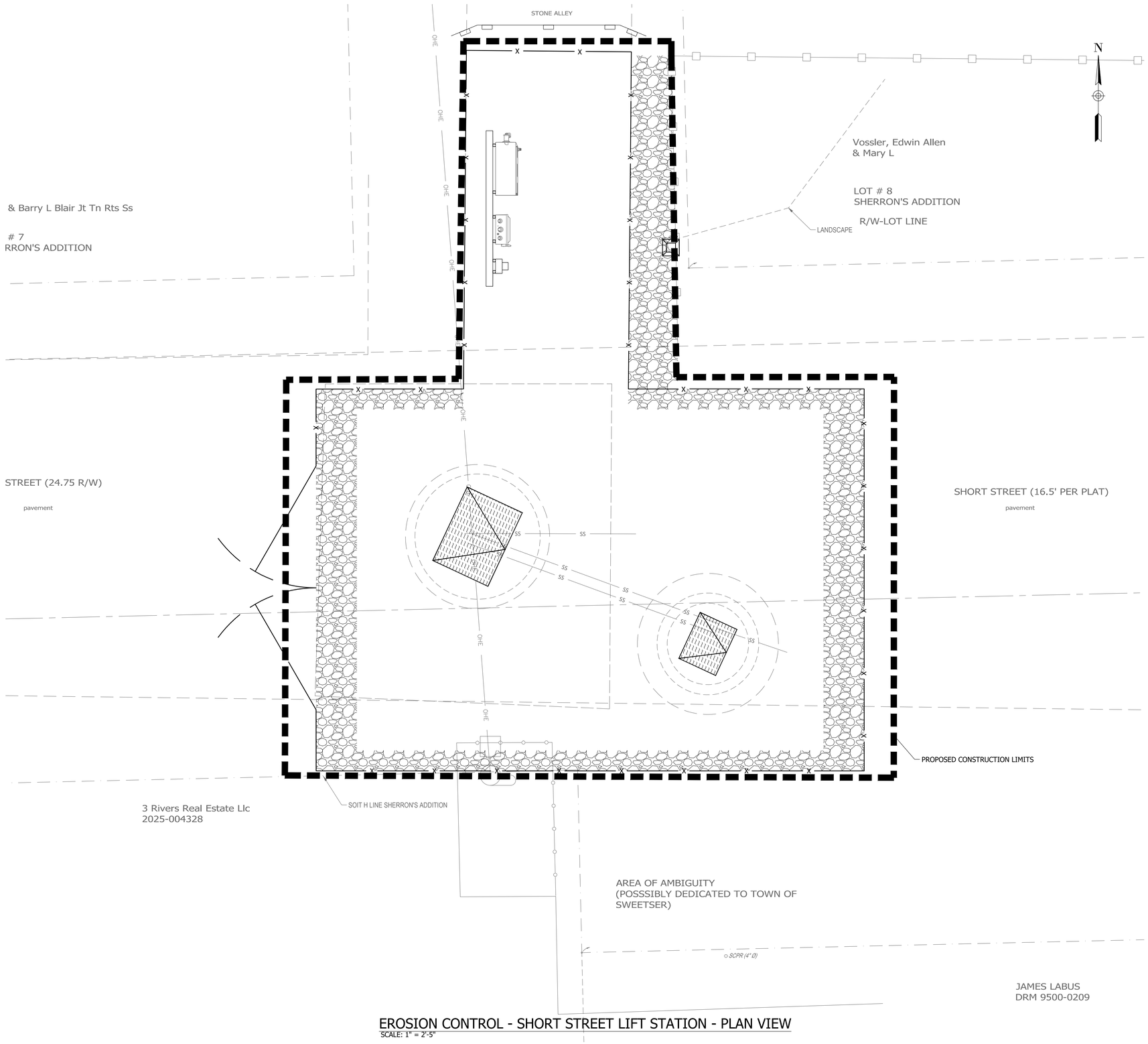
RICARDO JUAN PAREDES ARANCIBIA
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

2.5" 0 2.5' 5'
GRAPHIC SCALE

EROSION CONTROL - EAGLE DRIVE

C703

PRINT DATE: 10/8/26
PLOT SCALE: 1:1 EDIT DATE: 8/25/26 - 7:03 AM EDITED BY: RHUNT DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\5 ACAD\PLAN SHEETS & WORKING DRAWINGS\400-6314 EROSION CONTROL PLANS.DWG



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

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.

DCCM

BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

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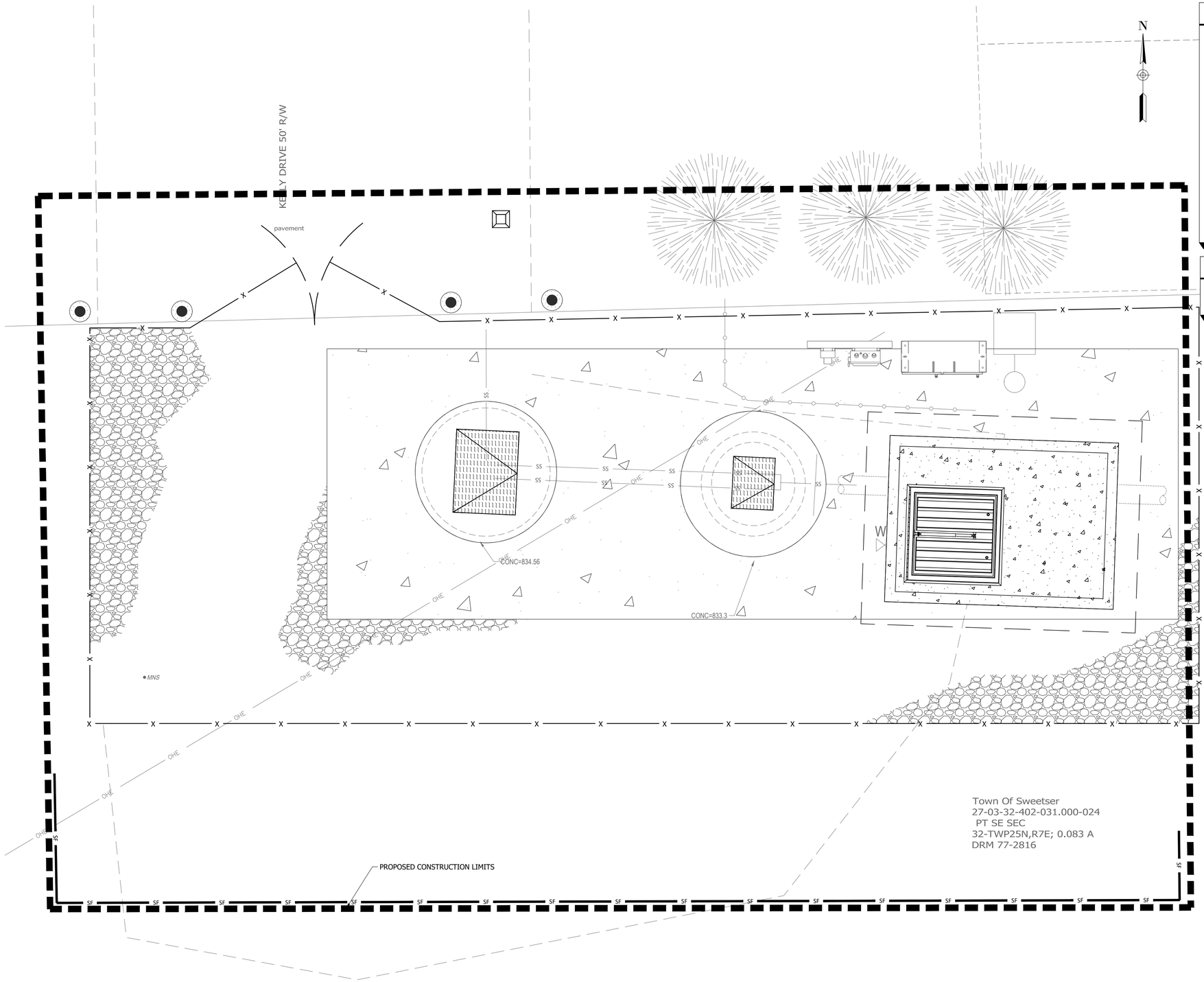
RICARDO JUAN PAREDES ARANSOPAN
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

2.5' 0 2.5' 5'
GRAPHIC SCALE

EROSION CONTROL - SHORT STREET

C704

PRINT DATE: 10/8/26
PLOT SCALE: 1:1 EDIT DATE: 8/25/26 - 7:03 AM EDITED BY: RHUNT DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\5 ACAD\PLAN SHEETS & WORKING DRAWINGS\400-6314 EROSION CONTROL PLANS.DWG



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"

DCCM

BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

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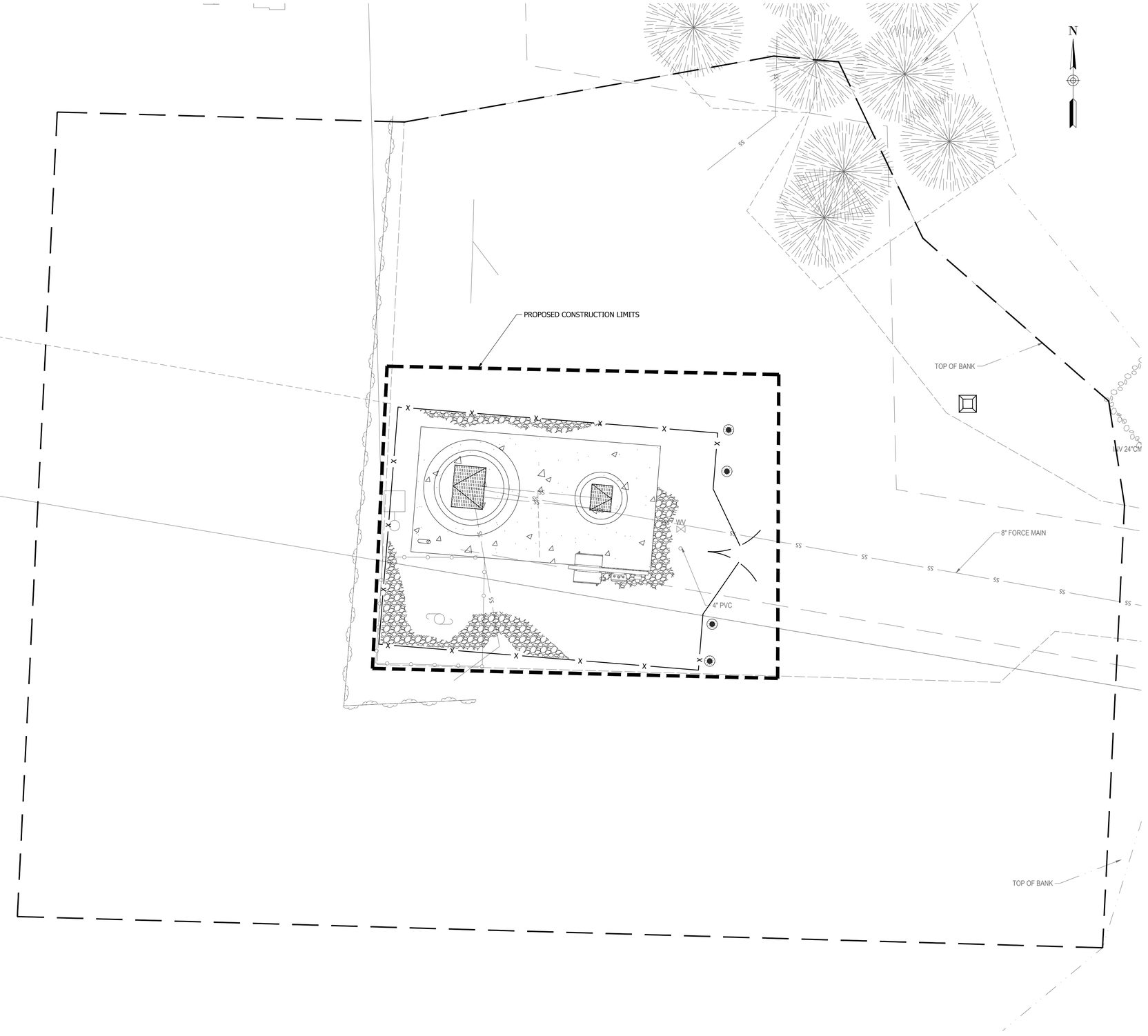
RICARDO JUAN PAREDES ARONOWSKI
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

2.5' 0 2.5' 5'
GRAPHIC SCALE

EROSION CONTROL - KELLY LIFT STATION

C705

PRINT DATE: 10/8/26
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EROSION CONTROL LEGEND

- PROPOSED CONSTRUCTION LIMITS
- SF — 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
- EROSION CONTROL BLANKET

PLAN NOTES

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

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

DCCM

BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

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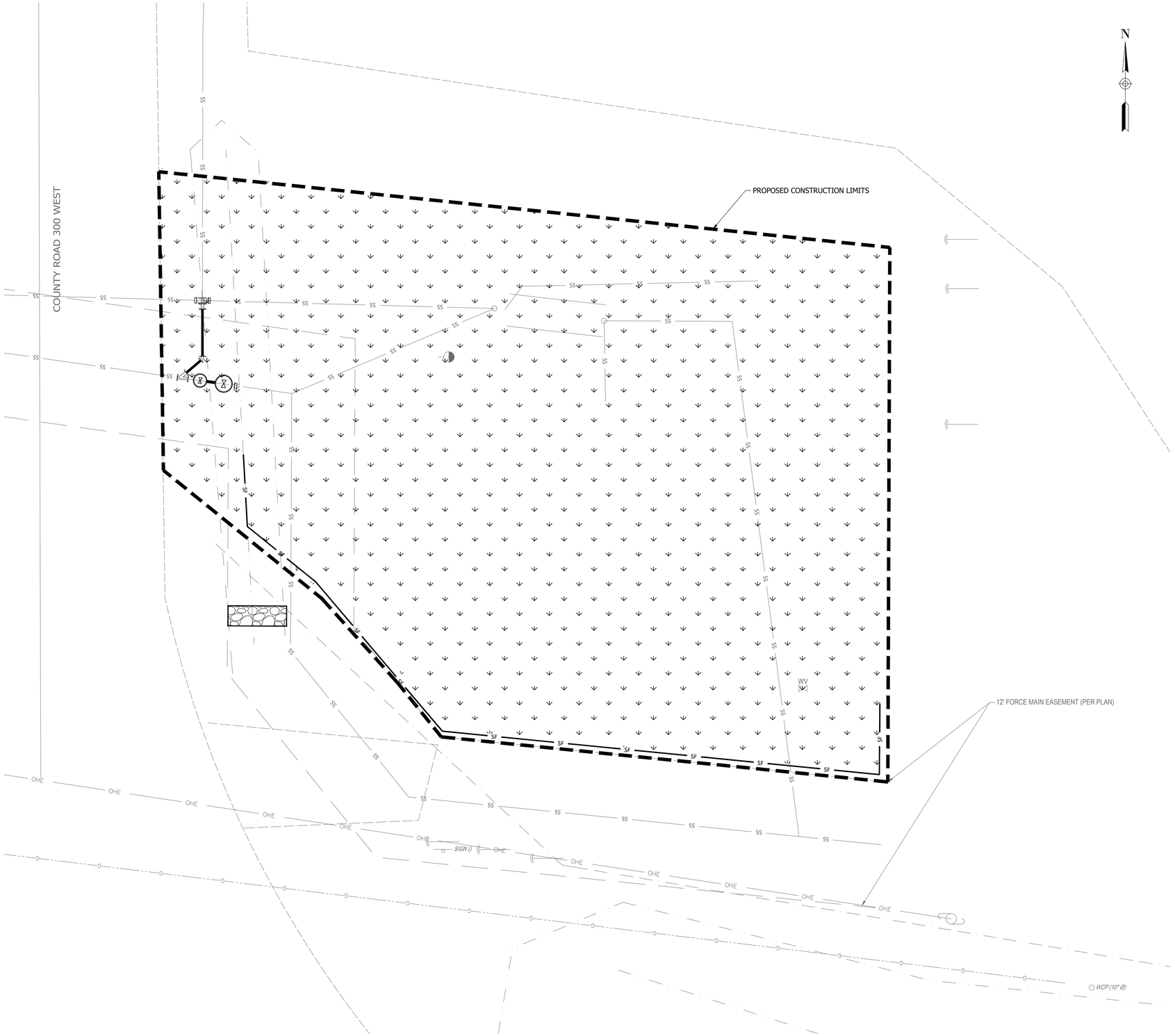
RICARDO JUAN PAREDES ARANCIBIA
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

5' 0 5' 10'
GRAPHIC SCALE

EROSION CONTROL - BANK LIFT STATION

C706

PRINT DATE: 10/8/26
PLOT SCALE: 1:1 EDIT DATE: 8/25/26 - 7:03 AM EDITED BY: RHUNT DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\5 ACAD\PLAN SHEETS & WORKING DRAWINGS\400631X EROSION CONTROL PLANS.DWG



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

N

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
- CHECK DAM

PLAN NOTES

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

DCCM

BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

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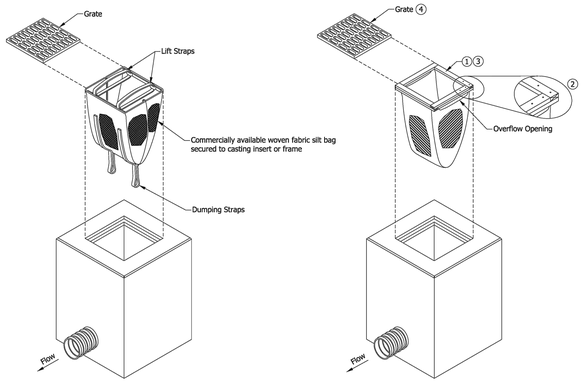
RICARDO JUAN PAREDES ARONOFSKY
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

5' 0 5' 10'
GRAPHIC SCALE

EROSION CONTROL - CASE LIFT STATION

C707

PRINT DATE: 10/8/26
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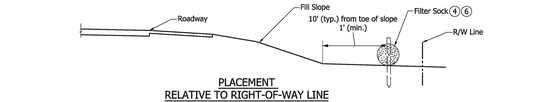
MANUFACTURED

BUILT IN FIELD

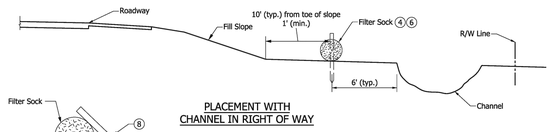
NOTES:

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	
ELIZABETH W. PHILLIPS No. 10200124 STATE OF INDIANA PROFESSIONAL ENGINEER	5/2/2019 DESIGN STANDARDS ENGINEER DATE 5/31/2019 CHIEF ENGINEER DATE



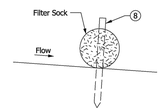
PLACEMENT
RELATIVE TO RIGHT-OF-WAY LINE



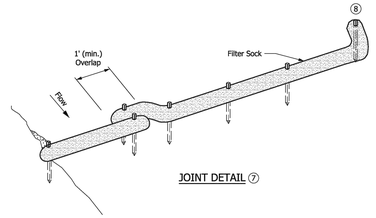
PLACEMENT WITH
CHANNEL IN RIGHT OF WAY



SLANTED STAKE
SECURING METHOD



STAKE THROUGH
SECURING METHOD

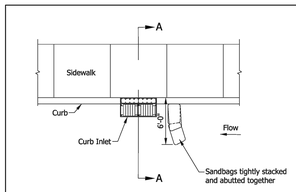


JOINT DETAIL 7

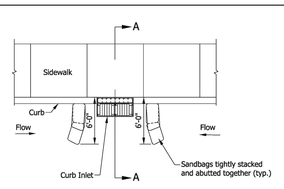
NOTES:

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 Q_{100} water surface elevation and flood prone area.
7. Filter socks shall be secured in locations below the Q_{100} 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.

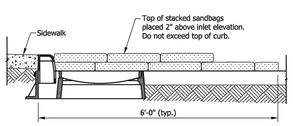
INDIANA DEPARTMENT OF TRANSPORTATION	
PERIMETER PROTECTION, FILTER SOCK SEPTEMBER 2019	
STANDARD DRAWING NO. E 205-TECD-10	
ELIZABETH W. PHILLIPS No. 10200124 STATE OF INDIANA PROFESSIONAL ENGINEER	5/2/2019 DESIGN STANDARDS ENGINEER DATE 5/31/2019 CHIEF ENGINEER DATE



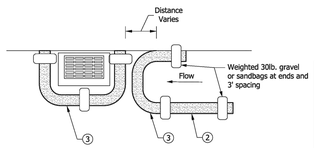
SANDBAG
SINGLE DIRECTION FLOW



SANDBAG
DUAL DIRECTION FLOW



SECTION A-A

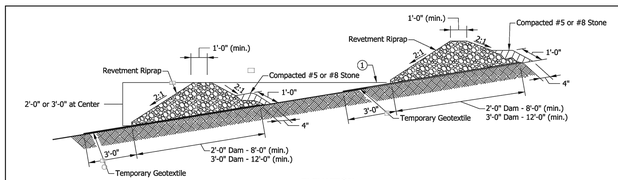


FILTER SOCK SINGLE OR DUAL
DIRECTION FLOW

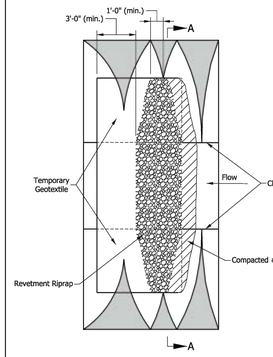
NOTES:

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.

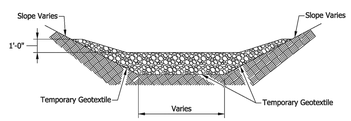
INDIANA DEPARTMENT OF TRANSPORTATION	
TEMPORARY CURB INLET PROTECTION SEPTEMBER 2019	
STANDARD DRAWING NO. E 205-TECD-05	
ELIZABETH W. PHILLIPS No. 10200124 STATE OF INDIANA PROFESSIONAL ENGINEER	5/2/2019 DESIGN STANDARDS ENGINEER DATE 5/31/2019 CHIEF ENGINEER DATE



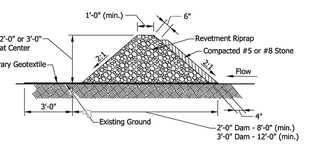
ELEVATION



PLAN



SECTION A-A



MODIFIED CHECK DAM

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	
ELIZABETH W. PHILLIPS No. 10200124 STATE OF INDIANA PROFESSIONAL ENGINEER	5/2/2019 DESIGN STANDARDS ENGINEER DATE 5/31/2019 CHIEF ENGINEER DATE

DCCM

BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

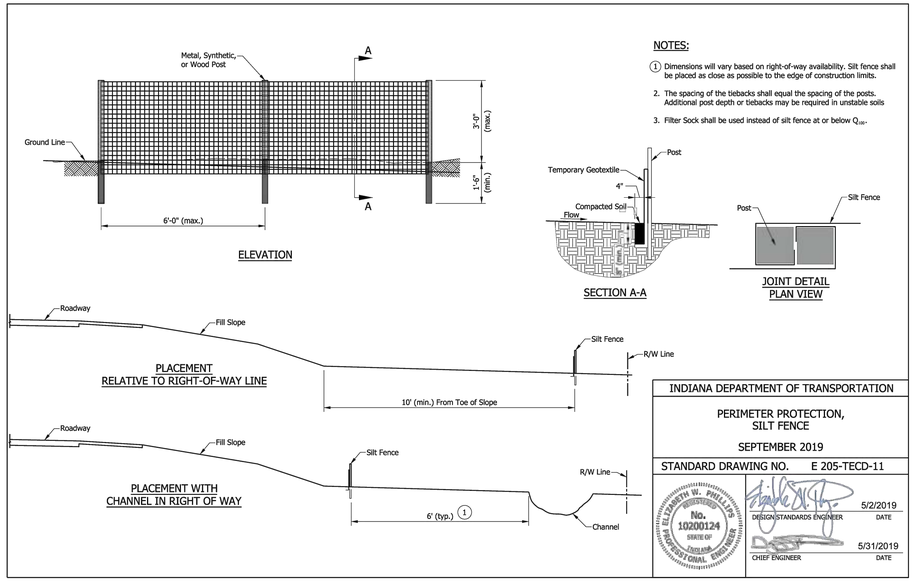
Project #: 400-6314
Designed By: RJPA
Drawn By: RLH
Checked By: ALC
Date: 08/28/2026

RICARDO JUAN PAREDES ARROYO REGISTERED No. 11900824 STATE OF INDIANA PROFESSIONAL ENGINEER

EROSION CONTROL DETAILS

C708

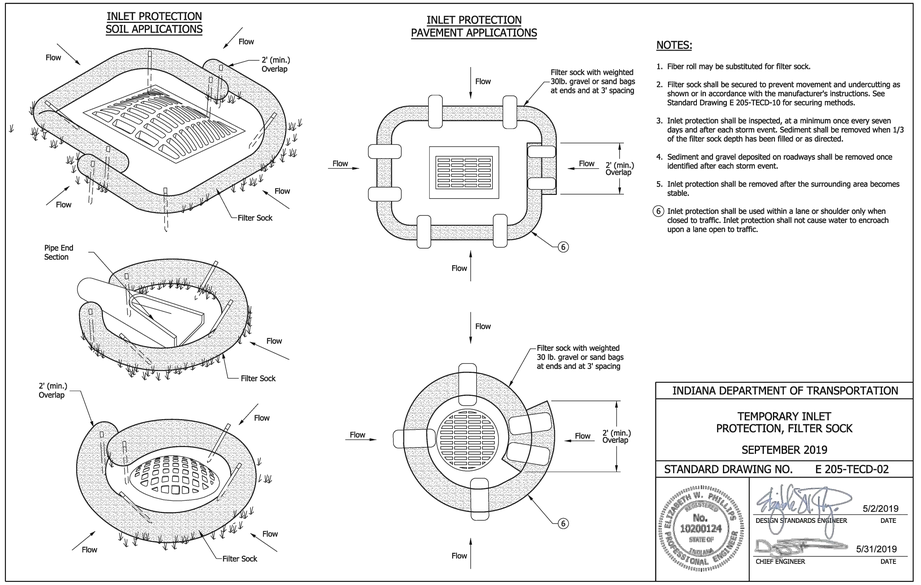
PRINT DATE: 10/9/26
PLOT SCALE: 1:1 EDIT DATE: 7/27/26 - 11:19 AM EDITED BY: RHUNT DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\5 ACAD\PLAN SHEETS & WORKING DRAWINGS\400X314 EROSION CONTROL DETAILS.DWG



NOTES:

1. Dimensions will vary based on right-of-way availability. Silt fence shall be placed as close as possible to the edge of construction limits.
2. The spacing of the tiebacks shall equal the spacing of the posts. Additional post depth or tiebacks may be required in unstable soils
3. Filter Sock shall be used instead of silt fence at or below Q_{10}.

INDIANA DEPARTMENT OF TRANSPORTATION	
PERIMETER PROTECTION, SILT FENCE SEPTEMBER 2019	
STANDARD DRAWING NO. E 205-TECD-11	
ELIZABETH W. PHILLIPS REGISTERED No. 10200124 STATE OF INDIANA PROFESSIONAL ENGINEER	5/2/2019 DESIGN STANDARDS ENGINEER DATE 5/31/2019 CHIEF ENGINEER DATE

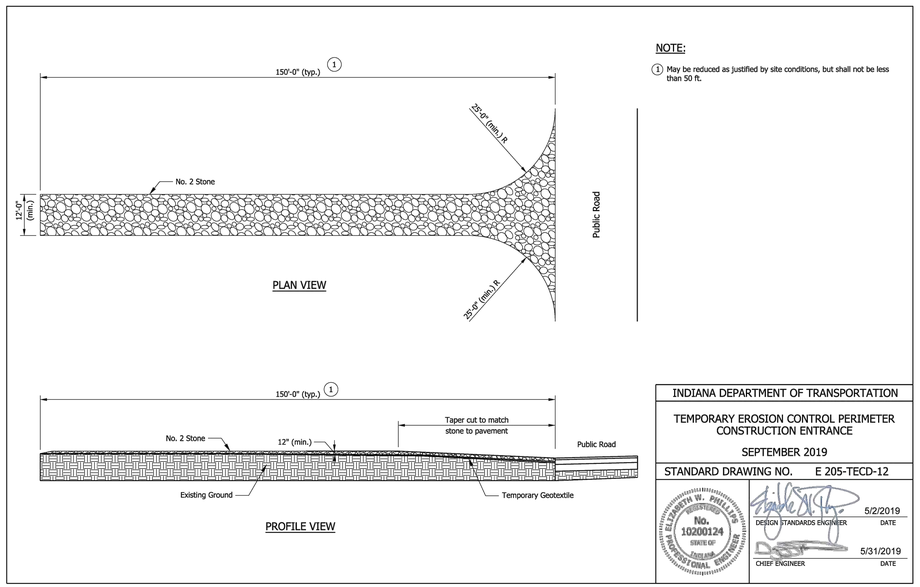


NOTES:

1. Fiber roll may be substituted for filter sock.
2. Filter sock shall be secured to prevent movement and undercutting as shown or in accordance with the manufacturer's instructions. See Standard Drawing E 205-TECD-10 for securing methods.
3. Inlet protection shall be inspected, at a minimum once every seven days and after each storm event. Sediment shall be removed when 1/3 of the filter sock depth has been filled or as directed.
4. Sediment and gravel deposited on roadways shall be removed once identified after each storm event.
5. Inlet protection shall be removed after the surrounding area becomes stable.

6 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.

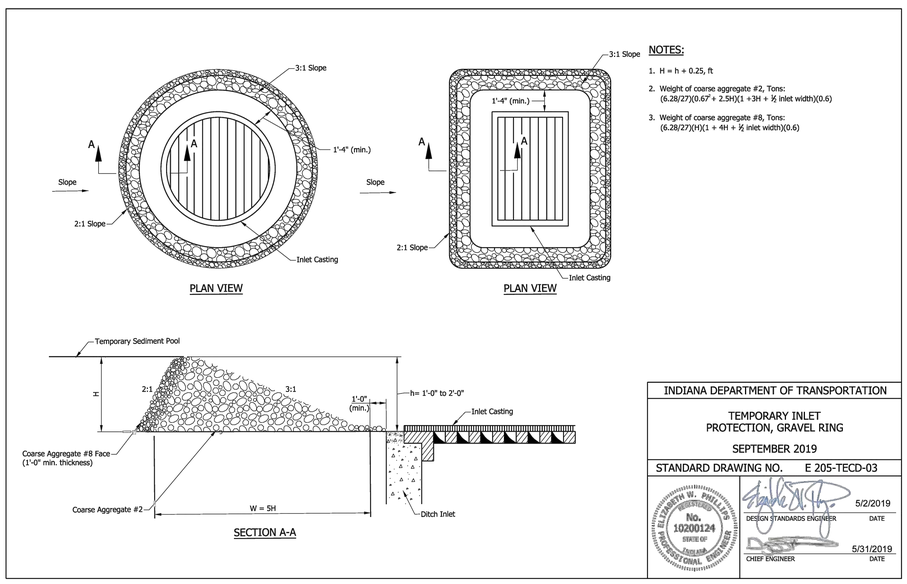
INDIANA DEPARTMENT OF TRANSPORTATION	
TEMPORARY INLET PROTECTION, FILTER SOCK SEPTEMBER 2019	
STANDARD DRAWING NO. E 205-TECD-02	
ELIZABETH W. PHILLIPS REGISTERED No. 10200124 STATE OF INDIANA PROFESSIONAL ENGINEER	5/2/2019 DESIGN STANDARDS ENGINEER DATE 5/31/2019 CHIEF ENGINEER DATE



NOTE:

1 May be reduced as justified by site conditions, but shall not be less than 50 ft.

INDIANA DEPARTMENT OF TRANSPORTATION	
TEMPORARY EROSION CONTROL PERIMETER CONSTRUCTION ENTRANCE SEPTEMBER 2019	
STANDARD DRAWING NO. E 205-TECD-12	
ELIZABETH W. PHILLIPS REGISTERED No. 10200124 STATE OF INDIANA PROFESSIONAL ENGINEER	5/2/2019 DESIGN STANDARDS ENGINEER DATE 5/31/2019 CHIEF ENGINEER DATE



NOTES:

1. H = h + 0.25, ft
2. Weight of coarse aggregate #2, Tons: (6.28/27)(0.67' + 2.5H)(1 +3H + ½ inlet width)(0.6)
3. Weight of coarse aggregate #8, Tons: (6.28/27)(H)(1 + 4H + ½ inlet width)(0.6)

INDIANA DEPARTMENT OF TRANSPORTATION	
TEMPORARY INLET PROTECTION, GRAVEL RING SEPTEMBER 2019	
STANDARD DRAWING NO. E 205-TECD-03	
ELIZABETH W. PHILLIPS REGISTERED No. 10200124 STATE OF INDIANA PROFESSIONAL ENGINEER	5/2/2019 DESIGN STANDARDS ENGINEER DATE 5/31/2019 CHIEF ENGINEER DATE

DCCM

BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

Project #: 400-6314

Designed By: RJPA

Drawn By: RLH

Checked By: ALC

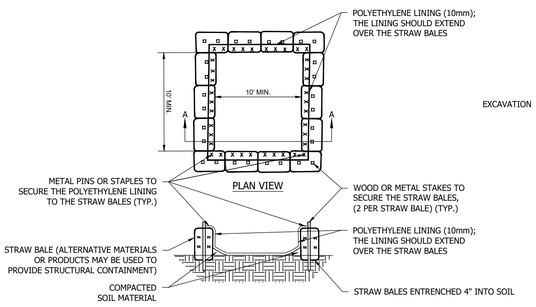
Date: 08/28/2026

RICARDO JUAN PAREDES ARONOWSKI REGISTERED No. 11900824 STATE OF INDIANA PROFESSIONAL ENGINEER

EROSION CONTROL DETAILS

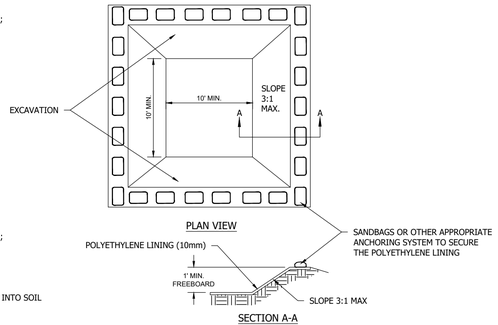
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SECTION A-A

CONCRETE WASHOUT (ABOVE GRADE)



SECTION A-A

CONCRETE WASHOUT (BELOW GRADE)

INSTALLATION:

PREFABRICATED WASHOUT SYSTEMS/CONTAINERS:

1. INSTALL AND LOCATE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

DESIGNED AND INSTALLED SYSTEMS:

2. UTILIZE AND FOLLOW THE DESIGN IN THE STORM WATER POLLUTION PREVENTION PLAN TO INSTALL THE SYSTEM.
3. DEPENDENT UPON THE TYPE OF SYSTEM, EITHER EXCAVATE THE PIT OR INSTALL THE CONTAINMENT SYSTEM.
4. A BASE SHALL BE CONSTRUCTED AND PREPARED THAT IS FREE OF ROCKS AND OTHER DEBRIS THAT MAY CAUSE TEARS OR PUNCTURES IN THE POLYETHYLENE LINING.
5. INSTALL THE POLYETHYLENE LINING. FOR EXCAVATED SYSTEMS, THE LINING SHOULD EXTEND OVER THE ENTIRE EXCAVATION. THE LINING FOR BERMED SYSTEMS SHOULD BE INSTALLED OVER THE POOLING AREA WITH ENOUGH MATERIAL TO EXTEND THE LINING OVER THE BERM OR CONTAINMENT SYSTEM. THE LINING SHOULD BE SECURED WITH PINS, STAPLES, OR OTHER FASTENERS.
6. PLACE FLAGS, SAFETY FENCING, OR EQUIVALENT TO PROVIDE A BARRIER TO CONSTRUCTION EQUIPMENT AND OTHER TRAFFIC.
7. PLACE A NON-COLLAPSING, NON-WATER HOLDING COVER OVER THE WASHOUT FACILITY PRIOR TO A PREDICTED RAINFALL EVENT TO PREVENT ACCUMULATION OF WATER AND POSSIBLE OVERFLOW OF THE SYSTEM (OPTIONAL).
8. INSTALL SIGNAGE THAT IDENTIFIES CONCRETE WASHOUT AREAS.
9. POST SIGNS DIRECTING CONTRACTORS AND SUPPLIERS TO DESIGNATED LOCATIONS.
10. WHERE NECESSARY, PROVIDE STABLE INGRESS AND EGRESS OR ALTERNATIVE APPROACH PAD FOR CONCRETE WASHOUT SYSTEMS.

MAINTENANCE:

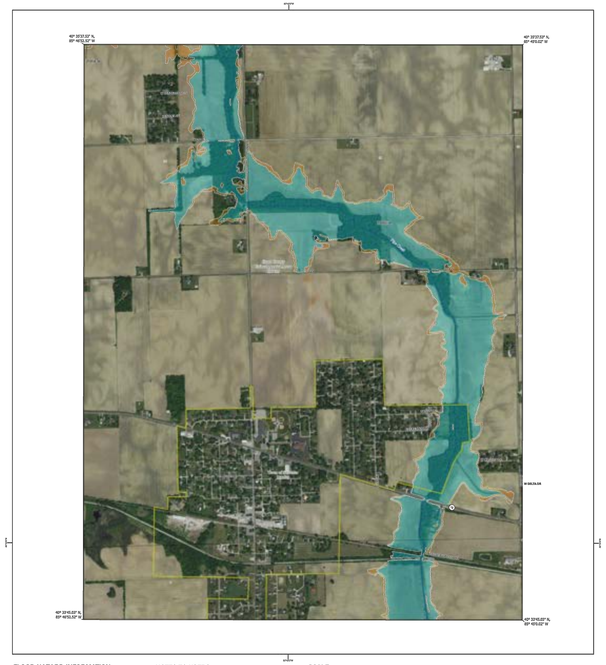
11. INSPECT DAILY AND AFTER EACH STORM EVENT.
12. INSPECT THE INTEGRITY OF THE OVERALL STRUCTURE INCLUDING, WHERE APPLICABLE, THE CONTAINMENT SYSTEM.
13. INSPECT THE SYSTEM FOR LEAKS, SPILLS, AND TRACKING OF SOIL BY EQUIPMENT.
14. INSPECT THE POLYETHYLENE LINING FOR FAILURE, INCLUDING TEARS AND PUNCTURES.
15. ONCE CONCRETE WASTES HARDEN, REMOVE AND DISPOSE OF THE MATERIAL.
16. EXCESS CONCRETE SHOULD BE REMOVED WHEN THE WASHOUT SYSTEM REACHES 50 PERCENT OF THE DESIGN CAPACITY. USE OF THE SYSTEM SHOULD BE DISCONTINUED UNTIL APPROPRIATE MEASURES CAN BE INITIATED TO CLEAN THE STRUCTURE. PREFABRICATED SYSTEMS SHOULD ALSO UTILIZE THIS CRITERION, UNLESS THE MANUFACTURER HAS ALTERNATE SPECIFICATIONS.
17. UPON REMOVAL OF THE SOLIDS, INSPECT THE STRUCTURE. REPAIR THE STRUCTURE AS NEEDED OR CONSTRUCT A NEW SYSTEM.
18. DISPOSE OF ALL CONCRETE IN A LEGAL MANNER. REUSE THE MATERIAL ON SITE, RECYCLE, OR HAUL THE MATERIAL TO AN APPROVED CONSTRUCTION/DEMOLITION LANDFILL SITE. RECYCLING OF MATERIAL IS ENCOURAGED. THE WASTE MATERIAL CAN BE USED FOR MULTIPLE APPLICATIONS INCLUDING BUT NOT LIMITED TO ROADBEDS AND BUILDING. THE AVAILABILITY FOR RECYCLING SHOULD BE CHECKED LOCALLY.
19. THE PLASTIC LINER SHOULD BE REPLACED AFTER EVERY CLEANING; THE REMOVAL OF MATERIAL WILL USUALLY DAMAGE THE LINING.
20. THE CONCRETE WASHOUT SYSTEM SHOULD BE REPAIRED OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR CONCRETE WASTE.
21. CONCRETE WASHOUT SYSTEMS ARE DESIGNED TO PROMOTE EVAPORATION. HOWEVER, IF THE LIQUIDS DO NOT EVAPORATE AND THE SYSTEM IS NEAR CAPACITY IT MAY BE NECESSARY TO VACUUM OR REMOVE THE LIQUIDS AND DISPOSE OF THEM IN AN ACCEPTABLE METHOD. DISPOSAL MAY BE ALLOWED AT THE LOCAL SANITARY SEWER AUTHORITY PROVIDED THEIR NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMITS ALLOW FOR ACCEPTANCE OF THIS MATERIAL. ANOTHER OPTION WOULD BE TO UTILIZE A SECONDARY CONTAINMENT SYSTEM OR BASIN FOR FURTHER DEWATERING.
22. PREFABRICATED UNITS ARE OFTEN PUMPED AND THE COMPANY SUPPLYING THE UNIT PROVIDES THIS SERVICE.
23. INSPECT CONSTRUCTION ACTIVITIES ON A REGULAR BASIS TO ENSURE SUPPLIERS, CONTRACTORS, AND OTHERS ARE UTILIZING DESIGNATED WASHOUT AREAS. IF CONCRETE WASTE IS BEING DISPOSED OF IMPROPERLY, IDENTIFY THE VIOLATORS AND TAKE APPROPRIATE ACTION.
24. WHEN CONCRETE WASHOUT SYSTEMS ARE NO LONGER REQUIRED, THE CONCRETE WASHOUT SYSTEMS SHALL BE CLOSED. DISPOSE OF ALL HARDENED CONCRETE AND OTHER MATERIALS USED TO CONSTRUCT THE SYSTEM.
25. HOLES, DEPRESSIONS AND OTHER LAND DISTURBANCES ASSOCIATED WITH THE SYSTEM SHOULD BE BACKFILLED, GRADED, AND STABILIZED.

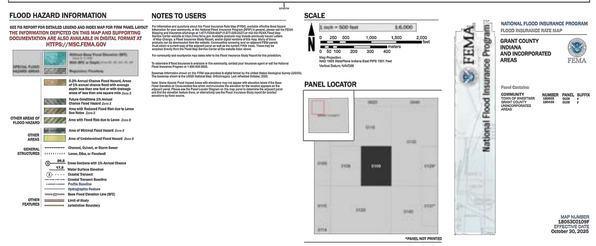
9 CONCRETE WASHOUT DETAIL
NOT TO SCALE

STABILIZATION PRACTICE:	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
PERMANENT SEEDING	A ——— */ / / /I/ / / /* ——— */I/* ——►											
DORMANT SEEDING	B ——►									B ——►		
TEMPORARY SEEDING	C ——►						D ——►					
	E ——— */ / / /I/ / / /* ——►											
SODDING	F** ——— */ / / /I/ / / /* ——►											
MULCHING	G ——————————————————————————►											

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
/I/ IRRIGATION NEEDED DURING JUNE, JULY, AND/OR SEPTEMBER.
** IRRIGATION NEEDED FOR 2 TO 3 WEEKS AFTER APPLYING SOD.

10 SEASONAL SOIL PROTECTION CHART
NOT TO SCALE

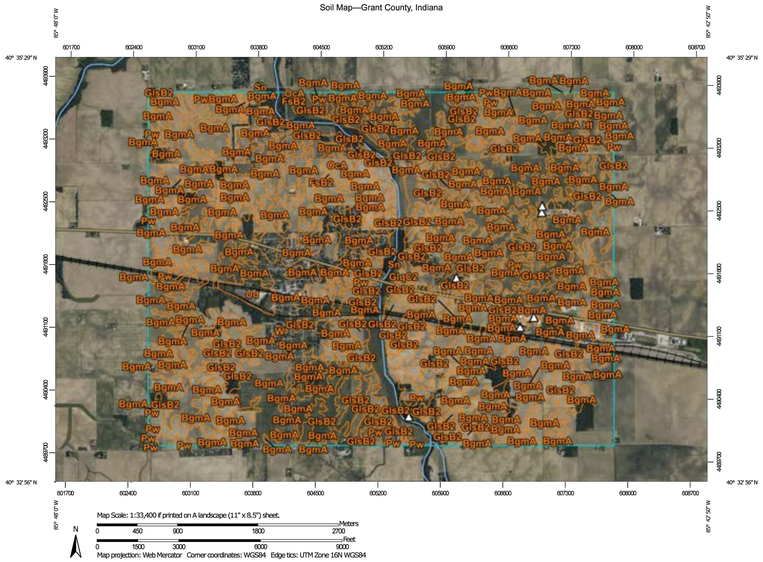




11 FEMA FLOOD MAP
NOT TO SCALE

Map Unit Legend

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%
GlqC2	Glynwood clay loam, ground moraine, 6 to 12 percent slopes, eroded	3.9	0.1%
GlsB2	Glynwood 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%**



DCCM

BID SET

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Drawn By: RLH

Checked By: ALC

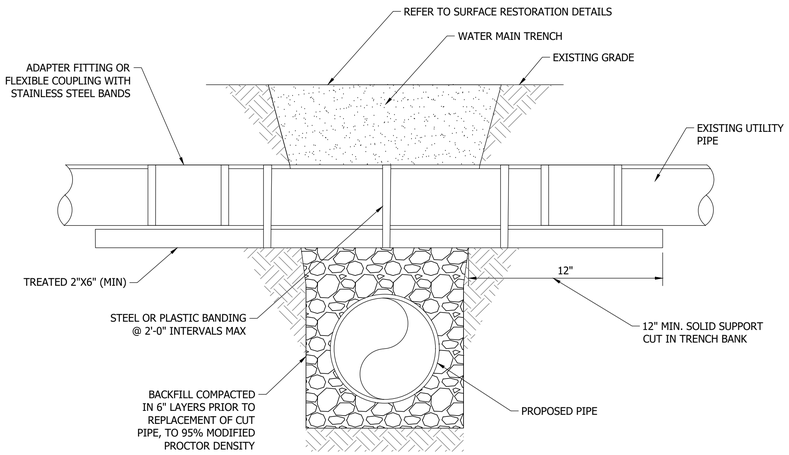
Date: 08/28/2026

RICARDO JUAN PAREDES ARANCIBIA
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

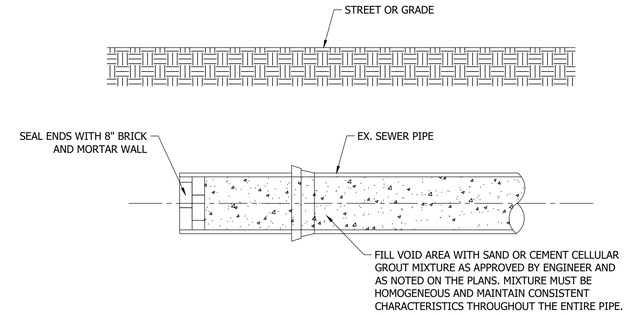
EROSION CONTROL DETAILS

C710

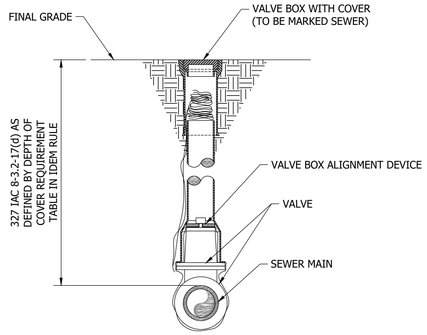
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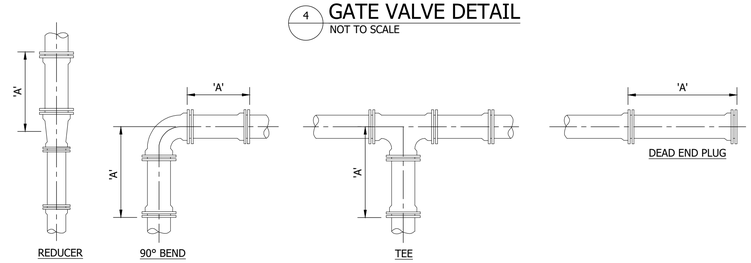
1 REPAIR AND SUPPORT OF EXPOSED UTILITY DETAIL
NOT TO SCALE



3 ABANDONED SEWER DETAIL
NOT TO SCALE

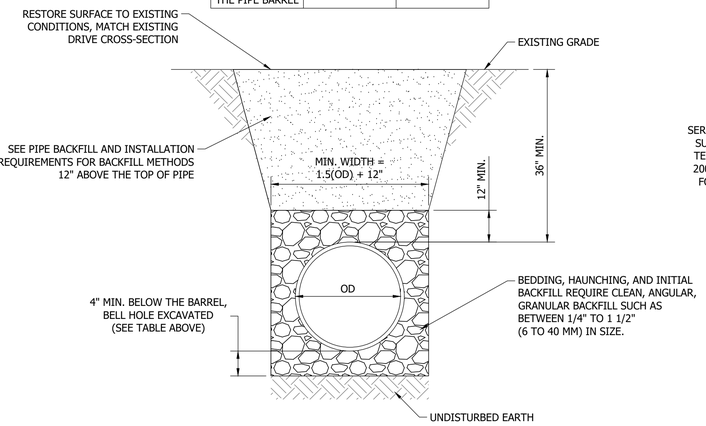


4 GATE VALVE DETAIL
NOT TO SCALE



NOTE:
1. TABLE VALUES BASED UPON A 4' MINIMUM BURY, GRANULAR BACKFILL, TYPE 2 LAYING CONDITION. 150 psig TEXT PRESSURE AND A 2:1 FACTOR OR SAFETY FOR POLY WRAPPED DUCTILE IRON OR PVC PIPE.
2. FITTINGS TO BE RESTRAINED WITH EBBA IRON MEGA-LUG SERIES OR APPROVED EQUAL.
3. DUCTILE IRON PIPE SHALL BE RESTRAINED WITH EBBA IRON, INC. SERIES 1100 AT MECHANICAL JOINTS, AND SERIES 1700 AT PIPE BELLS.
4. PVC PIPE SHALL BE RESTRAINED WITH EBBA IRON, INC. SERIES 2000 AT MECHANICAL JOINTS, AND SERIES 1600 OR 2800 AT PIPE BELLS.
5. TO STABILIZE THE JOINTS AT TEES, THE CONTRACTOR SHALL PROVIDE RESTRAINT DEVICES ON BOTH RUN JOINTS OF ALL TEES. FULL LENGTHS OF PIPE SHOULD BE USED AT TEES.

PIPE SIZE	3" TO 15"	18" TO 30"
BEDDING BELOW THE PIPE BARREL	4"	OD / 4"



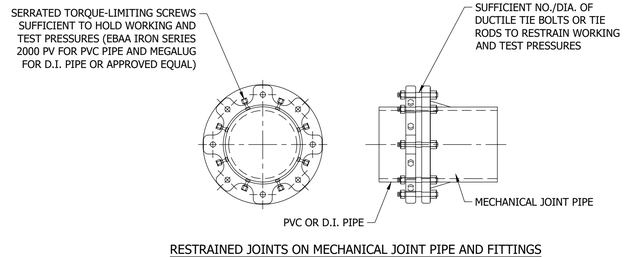
NOTE:
PIPE BEDDING AND BACKFILL WITHIN 5' OF, OR UNDER DRIVABLE SURFACES:

ALL BACKFILL PLACED WITHIN TRAFFIC INFLUENCE ZONES SHALL CONFORM TO THE FOLLOWING CRITERIA:
1. INSTALLED IN LIFTS NOT EXCEEDING SIX (6) INCHES
2. COMPACTED TO 95% MAXIMUM DRY DENSITY IN ACCORDANCE WITH AASHTO T 99 AS SPECIFIED IN INDOT SS SECTION 203 OR AS DIRECTED BY THE CITY ENGINEERING OR COUNTY ENGINEERING DEPARTMENT.
3. SHALL CONSIST OF MANUFACTURED, CLEAN, ANGULAR, GRANULAR MATERIAL SUCH AS CRUSHED STONE, WITH GRADATION BETWEEN ¼" TO 1 ½" (6 TO 40 MM) IN SIZE.

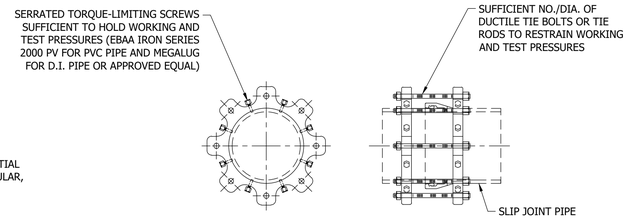
PIPE BEDDING AND BACKFILL MORE THAN 5' FROM PAVEMENT:

FINAL BACKFILL REQUIREMENTS, NOT SUBJECT TO THE INFLUENCE OF TRAFFIC AS NOTED ABOVE, SHALL GENERALLY BE BACKFILLED WITH ACCEPTABLE, EXCAVATED TRENCH IN-SITU SOIL MATERIALS IN ACCORDANCE WITH THE FOLLOWING:
1. IN-SITU SOIL MATERIALS SHALL BE PLACED AND COMPACTED IN TWELVE (12) INCH LIFTS AND/OR MOUNDED TO ACCOMMODATE SETTLEMENT DURING PROJECT DEVELOPMENT. THE MOUNDED AREAS SHALL MEET PROPOSED GRADE NO MORE THAN 30 DAYS AFTER PIPE INSTALLATION AND BACKFILL IS COMPLETE.
2. IN-SITU SOIL MATERIALS SHALL BE FREE FROM ROCKS (THREE INCHES IN DIAMETER OR GREATER) CONCRETE, ROOTS, STUMPS, LARGE AMOUNTS OF SOD OR OTHER ORGANIC MATERIALS, RUBBISH, FROZEN MATERIALS AND OTHER SIMILAR ARTICLES WHOSE PRESENCE IN THE BACKFILL WOULD CAUSE EXCESSIVE SETTLEMENT.
3. TO ALLOW FOR SETTLEMENT, THE SURFACE OF THE TRENCH SHALL GENERALLY BE LEFT IN A SLIGHTLY ROUNDED CONDITION

2 PVC, HDPE AND D.I. PIPE DETAIL
NOT TO SCALE



RESTRAINED JOINTS ON MECHANICAL JOINT PIPE AND FITTINGS



RESTRAINED JOINTS ON SLIP JOINT PIPE
(USING GRIPPING TYPE RETAINERS)

RESTRAINED LENGTHS FOR 3" DIA. DI PIPE				
DEPTH OF PIPE	4.5'	4.5'	4.5'	4.5'
BEND ANGLE	11.25°	22.5°	45°	90°
RESTRAINED LENGTH	1'	2'	3'	7'

RESTRAINED LENGTHS FOR 3" DIA. PVC PIPE				
DEPTH OF PIPE	11'	11'	11'	11'
BEND ANGLE	11.25°	22.5°	45°	90°
RESTRAINED LENGTH	1'	1'	2'	3'

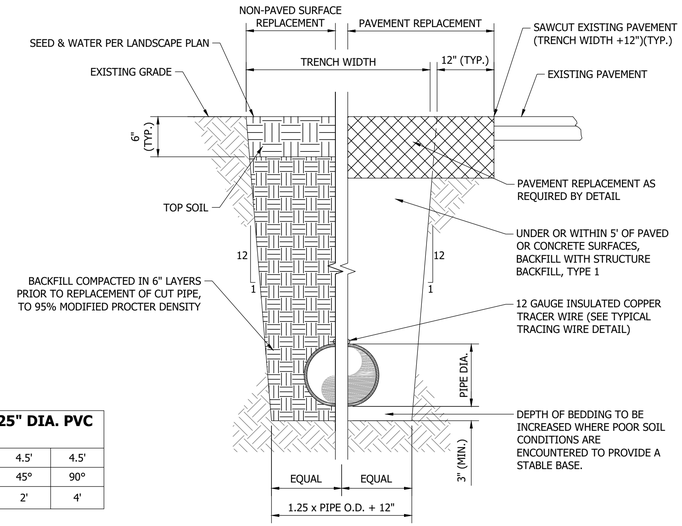
RESTRAINED LENGTHS FOR 2" DIA. PIPE				
DEPTH OF PIPE	4.5'	4.5'	4.5'	4.5'
BEND ANGLE	11.25°	22.5°	45°	90°
RESTRAINED LENGTH	1'	1'	2'	5'

RESTRAINED LENGTHS FOR 2.5" DIA. PVC PIPE				
DEPTH OF PIPE	4.5'	4.5'	4.5'	4.5'
BEND ANGLE	11.25°	22.5°	45°	90°
RESTRAINED LENGTH	1'	2'	3'	6'

REDUCERS AND TEES					
SIZE OF PIPE	2.5"	3"	2.5"x3"	1.25"x3"	1.25"x2.5"
DEPTH OF PIPE	4.5'	11'	8'	2'	4.5'
FITTING TYPE	TEE	TEE	REDUCER	REDUCER	REDUCER
RESTRAINED LENGTH	11'	6'	3'	30'	9'

RESTRAINED LENGTHS FOR 1.25" DIA. PVC PIPE				
DEPTH OF PIPE	4.5'	4.5'	4.5'	4.5'
BEND ANGLE	11.25°	22.5°	45°	90°
RESTRAINED LENGTH	1'	1'	2'	4'

4 PIPE JOINT RESTRAINT DETAIL
NOT TO SCALE



* CONTRACTOR TO UTILIZE INDOT STANDARD DETAILS FOR ANY SECTIONS OF PAVEMENT REPAIR INSIDE INDOT ROW.

5 PIPE TRENCH DETAIL
NOT TO SCALE

DCCM

BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

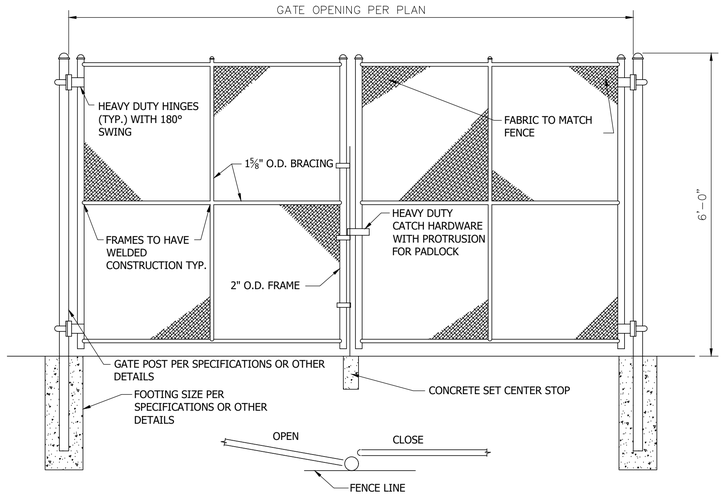
Project #: 400-6314
Designed By: RJPA
Drawn By: RLH
Checked By: ALC
Date: 08/28/2026

RICARDO JUAN PAREDES ARONOWSKI
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

STANDARD CONSTRUCTION DETAILS

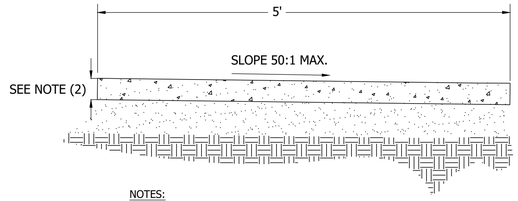
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PRINT DATE: 10/8/26
PLOT SCALE: 1:1 EDIT DATE: 8/28/26 - 11:59 AM EDITED BY: RHUNT DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\5 ACAD\PLAN SHEETS & WORKING DRAWINGS\400631 STANDARD CONSTRUCTION DETAILS.DWG



NOTE: GATE MUST SWING IN BOTH DIRECTIONS

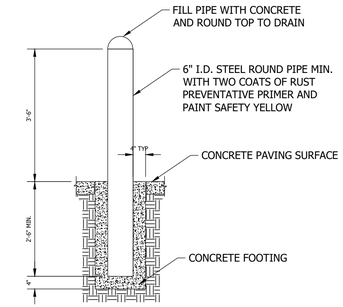
6 DOUBLE SWING GATE DETAIL
NOT TO SCALE



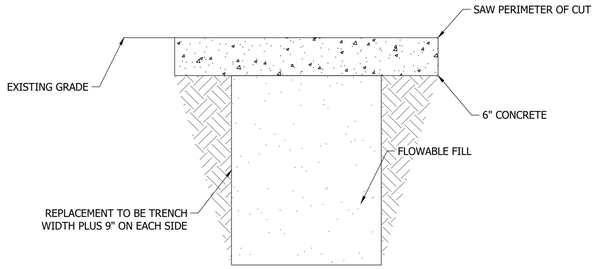
NOTES:

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.

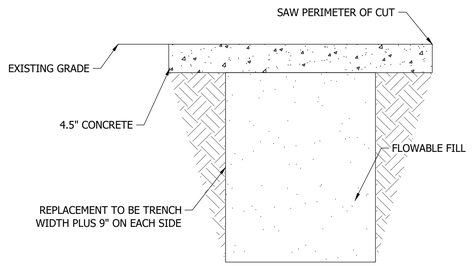
9 STANDARD DUTY SIDEWALK DETAIL
NOT TO SCALE



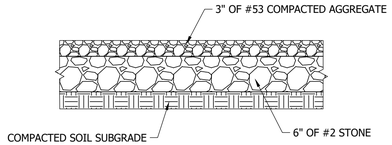
12 6" EXTERIOR BOLLARD DETAIL
NOT TO SCALE



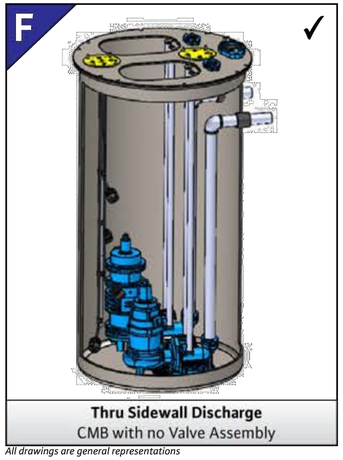
(TOWN OF SWEETSER BOUNDARIES)
7 NON-RESIDENTIAL STREETS, CONCRETE
TO SCALE



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



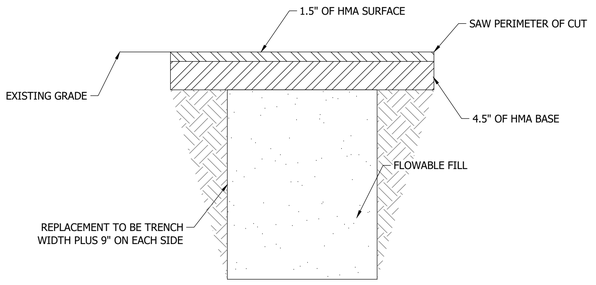
13 STONE PARKING AREA DETAIL
NOT TO SCALE



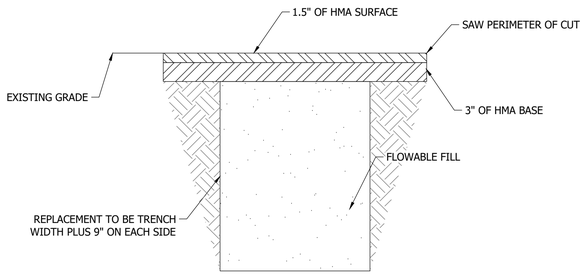
All drawings are general representations

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"

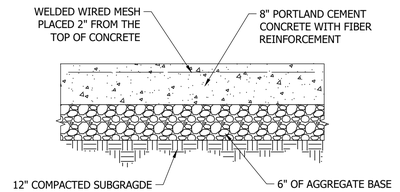
15 SCREW PRESS LS - DUPLEX PUMP SYSTEM DETAIL
NOT TO SCALE



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



(TOWN OF SWEETSER BOUNDARIES)
11 RESIDENTIAL STREETS, ASPHALT
TO SCALE



14 HEAVY DUTY CONCRETE PAVEMENT
NOT TO SCALE

DCCM

BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

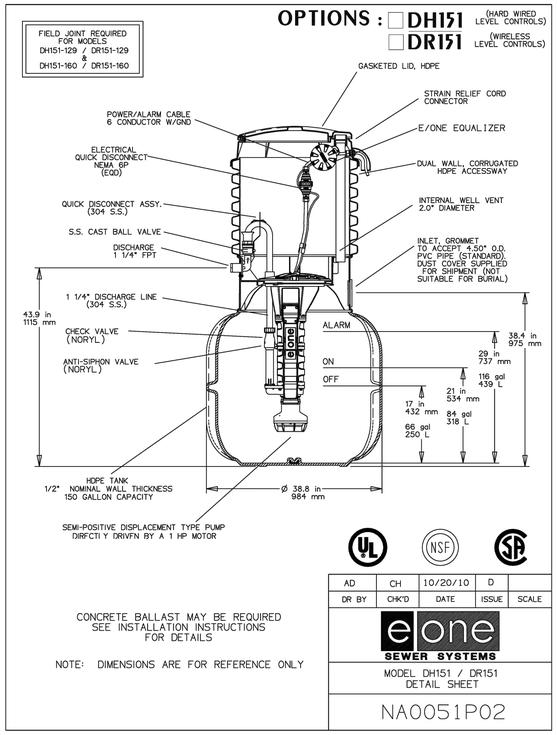
Project #: 400-6314
Designed By: RJPA
Drawn By: RLH
Checked By: ALC
Date: 08/28/2026

RICARDO JUAN PAREDES ARMSTRONG
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

STANDARD CONSTRUCTION DETAILS

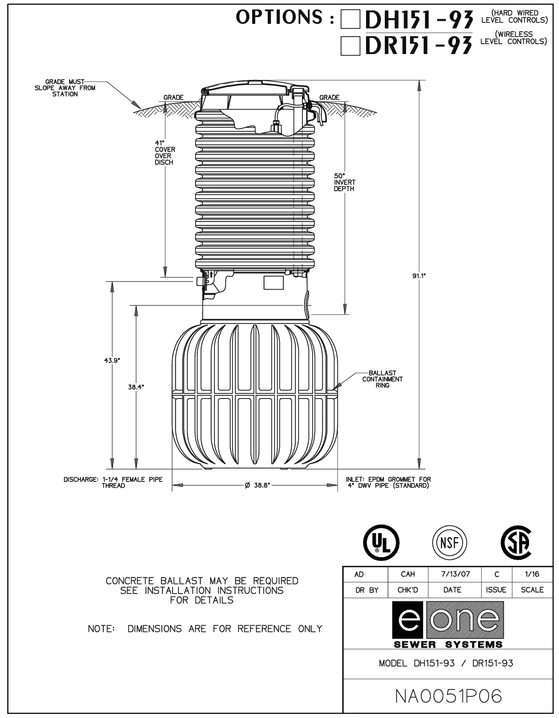
C801

PRINT DATE: 10/8/26
PLOT SCALE: 1:1 EDIT DATE: 8/28/26 - 11:59 AM EDITED BY: RHUNT DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\5 ACAD\PLAN SHEETS & WORKING DRAWINGS\400631# STANDARD CONSTRUCTION DETAILS.DWG



CONCRETE BALLAST MAY BE REQUIRED SEE INSTALLATION INSTRUCTIONS FOR DETAILS

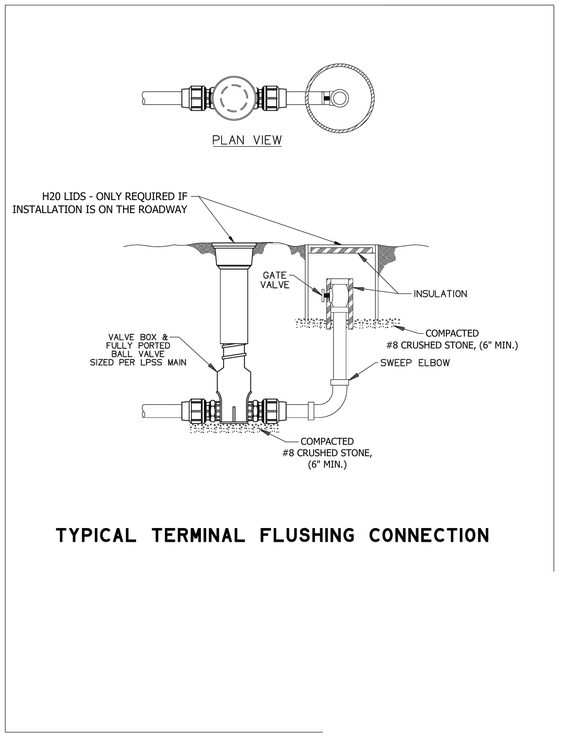
NOTE: DIMENSIONS ARE FOR REFERENCE ONLY



CONCRETE BALLAST MAY BE REQUIRED SEE INSTALLATION INSTRUCTIONS FOR DETAILS

NOTE: DIMENSIONS ARE FOR REFERENCE ONLY

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

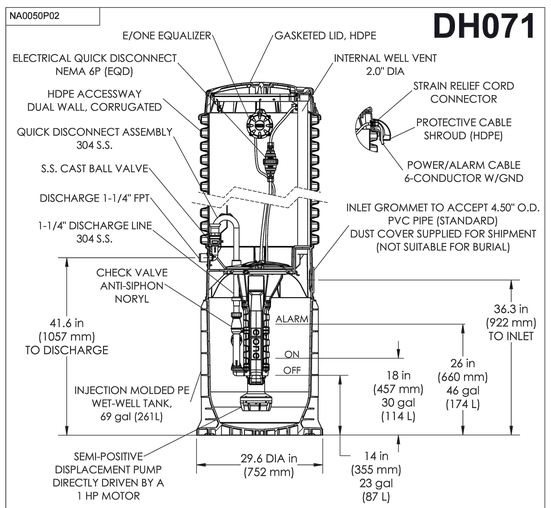


TYPICAL TERMINAL FLUSHING CONNECTION

11 TYPICAL TERMINAL FLUSHING CONNECTION DETAIL
NOT TO SCALE

NA0050P02

DH071



CONCRETE BALLAST NOT REQUIRED

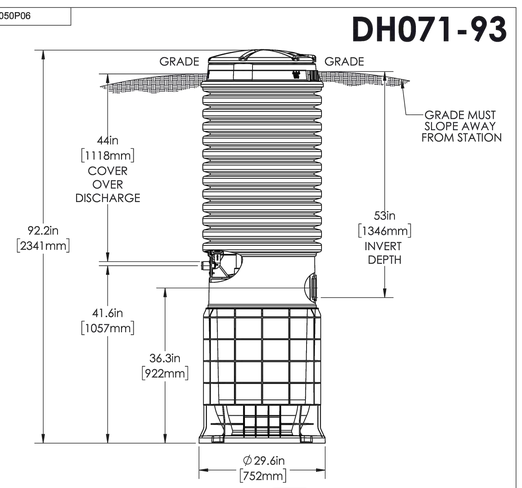
NOTE: DIMENSIONS ARE FOR REF ONLY

FIELD JOINT REQUIRED FOR MODELS DH071-129 / DH071-160

JVL | SGS | 7/14/2023 | F | 1:16
DR BY | CHK'D | DATE | ISSUE | SCALE
e one SEWER SYSTEMS
MODEL DH071 DETAIL SHEET
NA0050P02

NA0050P06

DH071-93



NOTE: DIMENSIONS ARE FOR REF ONLY

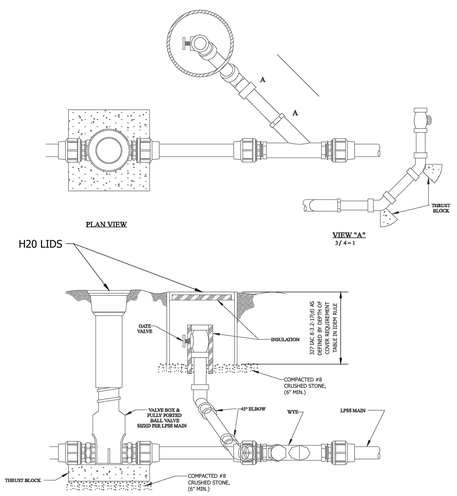
CONCRETE BALLAST NOT REQUIRED

DISCHARGE: 1-1/4in FEMALE PIPE THREAD

INLET: EPDM GROMMET FOR 4in DWV PIPE (STANDARD)

BK | JG | 10/13/2023 | D | 1:16
DR BY | CHK'D | DATE | ISSUE | SCALE
e one SEWER SYSTEMS
MODEL DH071-93 CUT SHEET
NA0050P06

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



12 TYPICAL FLUSHING CONNECTION DETAIL
NOT TO SCALE

DCCM

BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

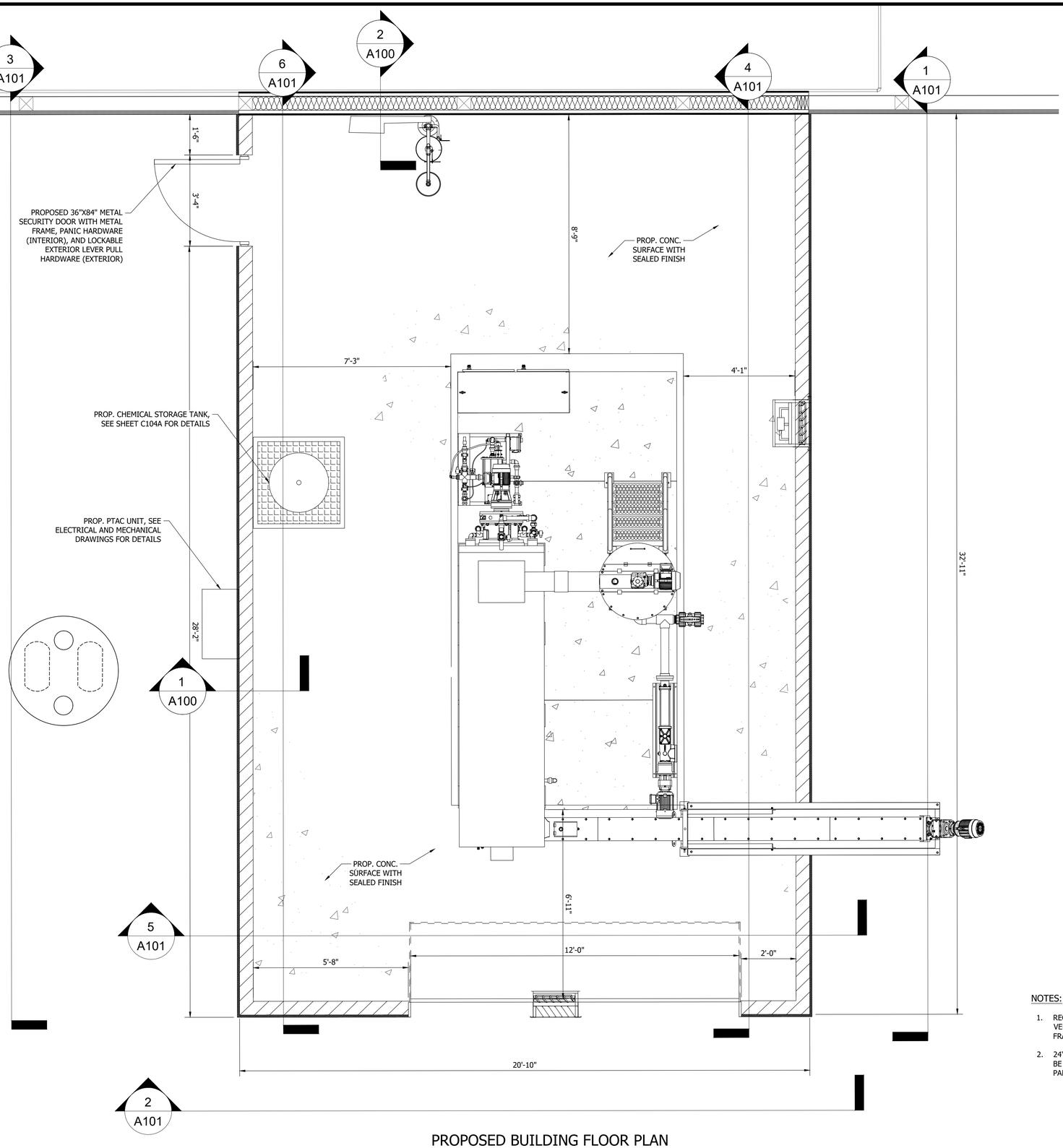
Project #: 400-6314
Designed By: RJPA
Drawn By: RLH
Checked By: ALC
Date: 08/28/2026

RICARDO JUAN PAREDES ARONOWSKI REGISTERED No. 11900824 STATE OF INDIANA PROFESSIONAL ENGINEER

STANDARD CONSTRUCTION DETAILS

C802

PRINT DATE: 10/8/26
PLOT SCALE: 1:1 EDIT DATE: 9/29/26 - 11:59 AM EDITED BY: RHUNT DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\5 ACAD\PLAN SHEETS & WORKING DRAWINGS\400-6314 STANDARD CONSTRUCTION DETAILS.DWG



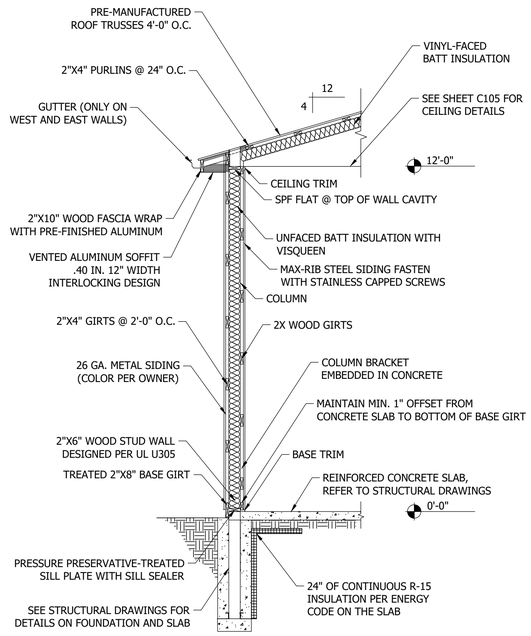
PROPOSED BUILDING FLOOR PLAN

SCALE: 1" = 2'-0"

N

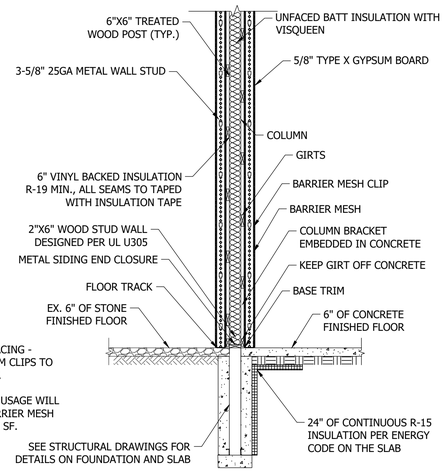
GENERAL NOTES

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



NOTES:

1. RECOMMENDED CLIP SPACING - VERTICAL SPACING OF BM CLIPS TO FRAMING AT 10"-12" O.C.
2. 24" O.C. STUD SPACING: USAGE WILL BE 16 CLIPS PER 4X8 BARRIER MESH PANEL, 50 CLIPS PER 100 SF.

2 A100 WALL SECTION

SCALE: NONE

DCCM

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 ARANGO REGISTERED No. 11900824 STATE OF INDIANA PROFESSIONAL ENGINEER

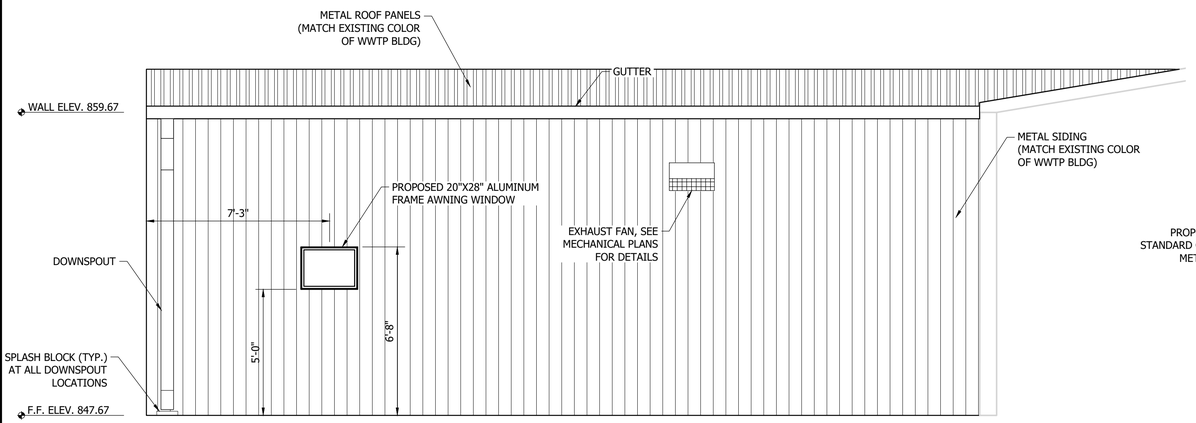
2' 0 2' 4'

GRAPHIC SCALE

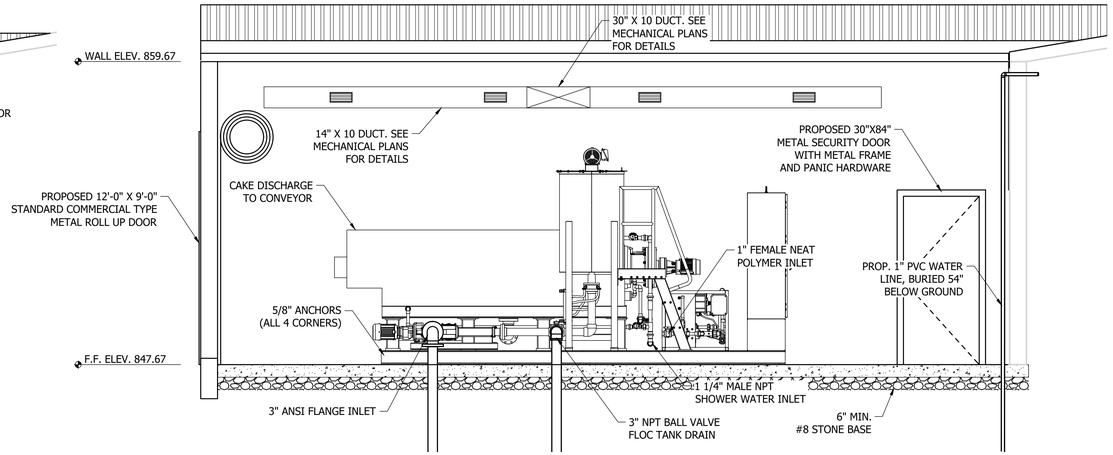
PROPOSED SCREW PRESS BUILDING FLOOR PLAN

A100

PRINT DATE: 10/8/26
PLOT SCALE: 1:1 EDIT DATE: 8/26/26 - 2:38 PM EDITED BY: RHUNT DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\5 ACAD\PLAN SHEETS & WORKING DRAWINGS\400-6314 WWTP PROPOSED BLDG FLOOR PLAN.DWG



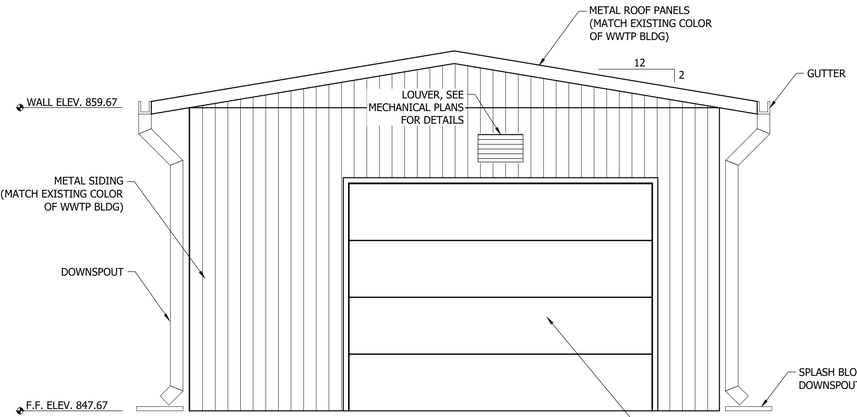
1 A101 EAST ELEVATION
SCALE: 1" = 3'-0"



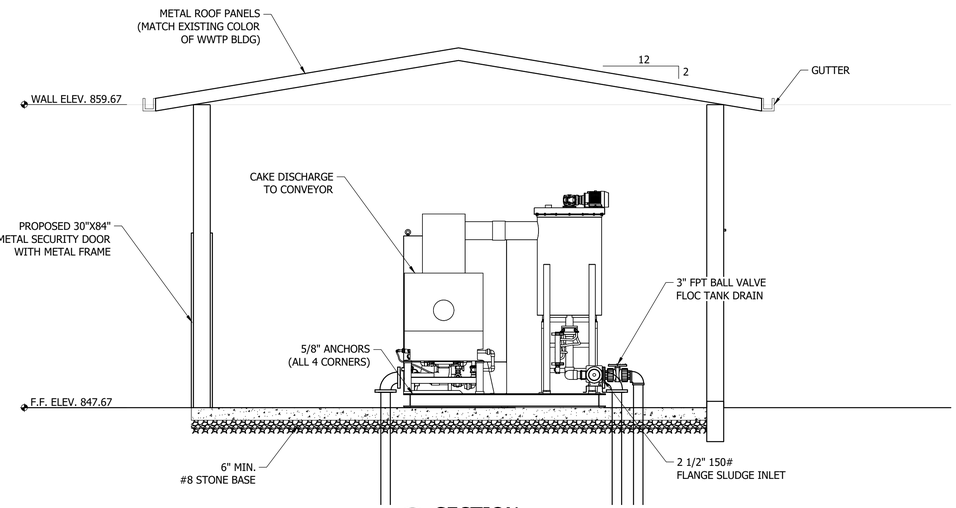
4 A101 SECTION
SCALE: 1" = 3'-0"

NOTE:

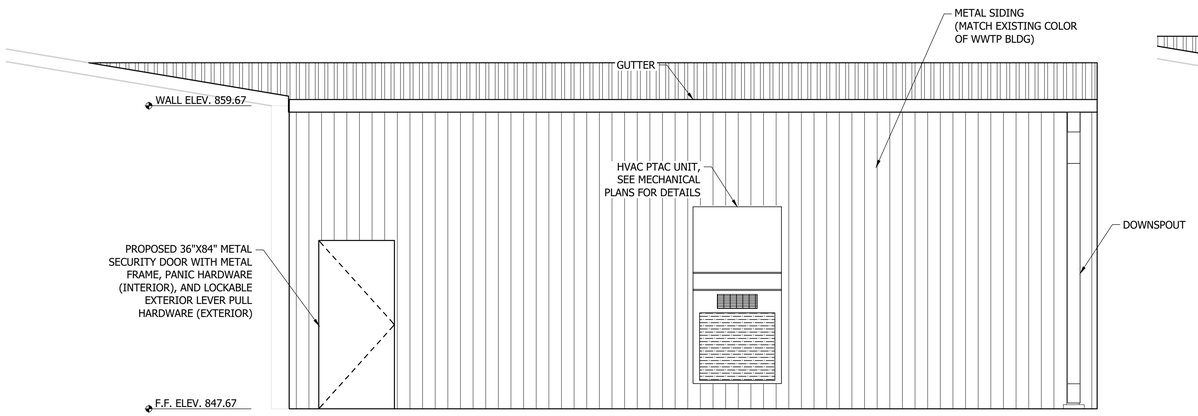
1. STRUCTURAL ELEMENTS OF BUILDING, UNLESS NOTED OTHERWISE, ARE TO BE DESIGNED BY THE CONTRACTOR OR THEIR MANUFACTURER, SEE SPECIFICATIONS.



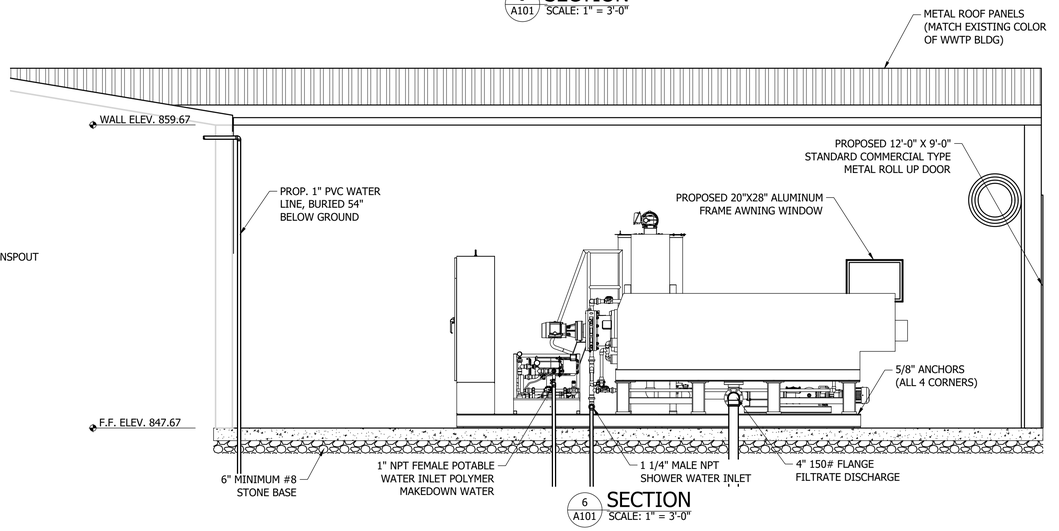
2 A101 SOUTH ELEVATION
SCALE: 1" = 3'-0"



5 A101 SECTION
SCALE: 1" = 3'-0"



3 A101 WEST ELEVATION
SCALE: 1" = 3'-0"



6 A101 SECTION
SCALE: 1" = 3'-0"

DCCM

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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RICARDO JUAN PAREDES ARANCIBIA
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

3' 0 3' 6'
GRAPHIC SCALE

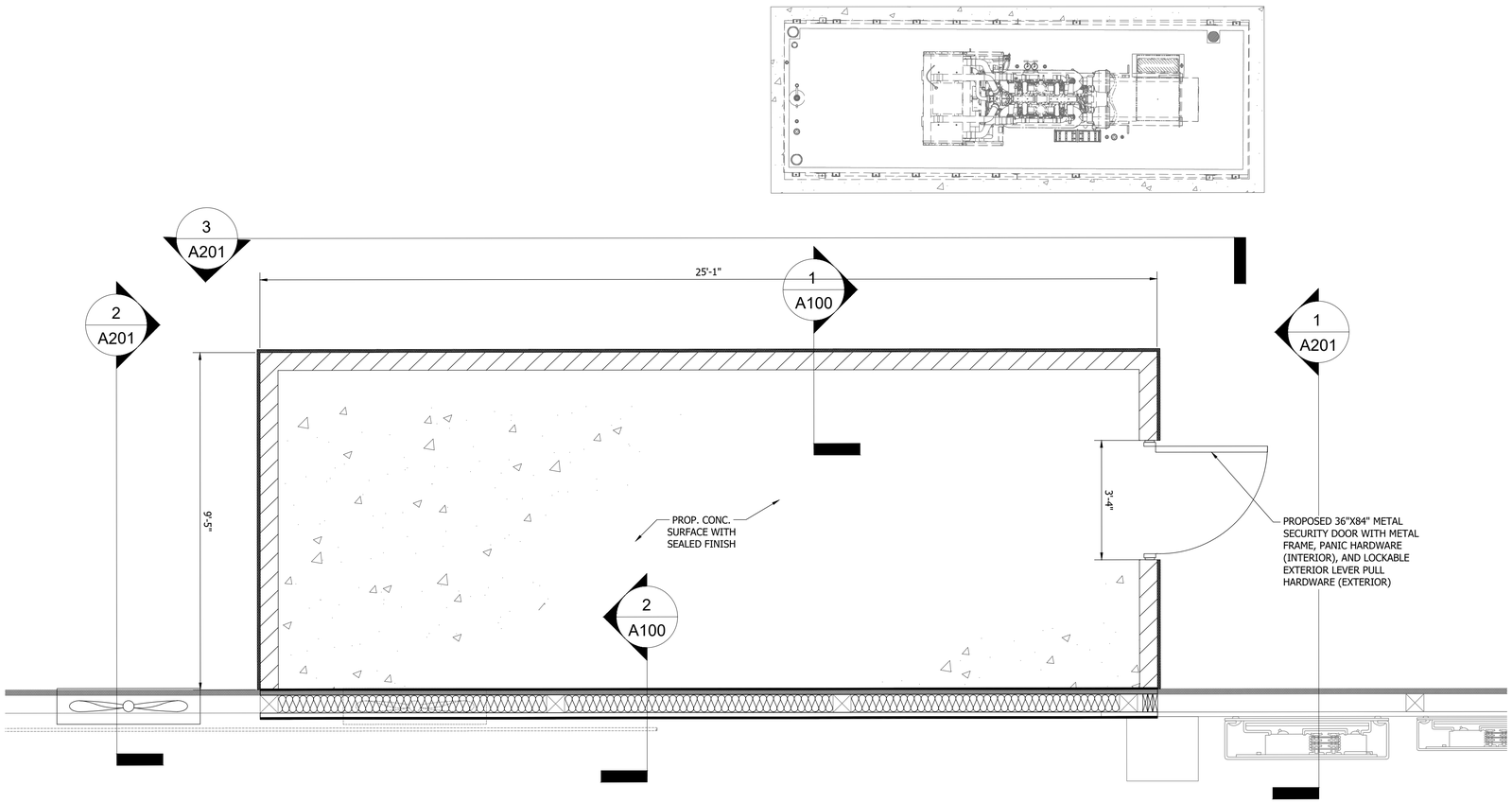
PROPOSED SCREW PRESS BUILDING SECTIONS & ELEVATIONS

A101

PRINT DATE: 10/9/26
PLOT SCALE: 1:1 EDIT DATE: 9/26/26 - 2:38 PM EDITED BY: RHUNT DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\5 ACAD\PLAN SHEETS & WORKING DRAWINGS\400631 4 WWTP PROPOSED BLDG FLOOR PLAN.DWG

GENERAL NOTES

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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.



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

DCCM

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

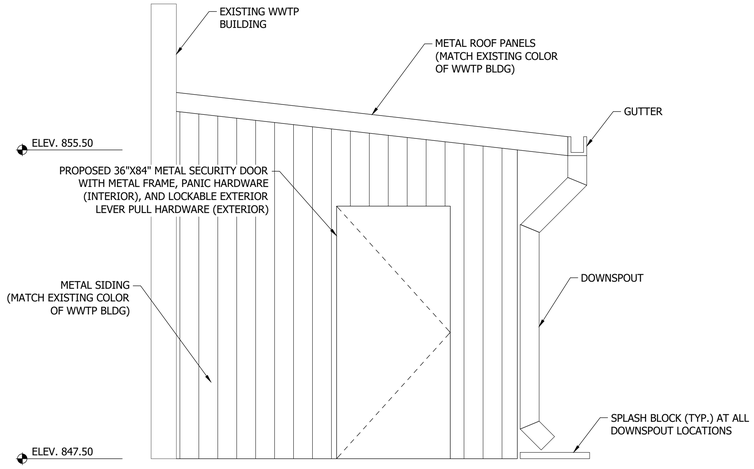
RICARDO JUAN PAREDES ARANCIBIA
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

2' 0 2' 4'
GRAPHIC SCALE

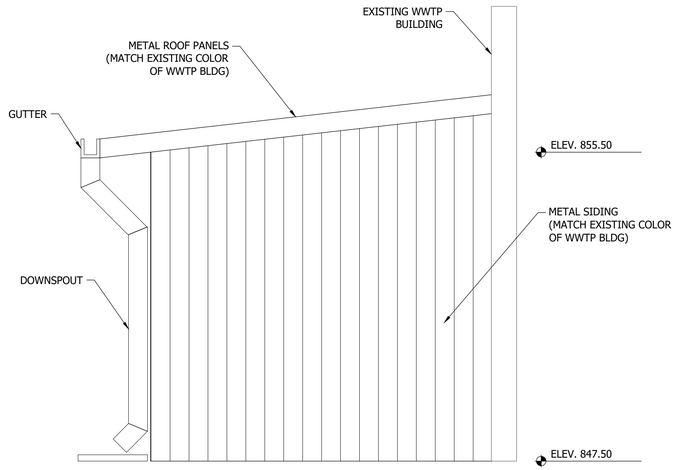
PROPOSED ELECTRICAL ROOM FLOOR PLAN

A200

PRINT DATE: 10/9/26
PLOT SCALE: 1:1 EDIT DATE: 9/26/26 - 1:59 PM EDITED BY: RHUNT DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\5 ACAD\PLAN SHEETS & WORKING DRAWINGS\400631 4 WWTP PROPOSED ELECTRICAL ROOM ELEVATIONS.DWG



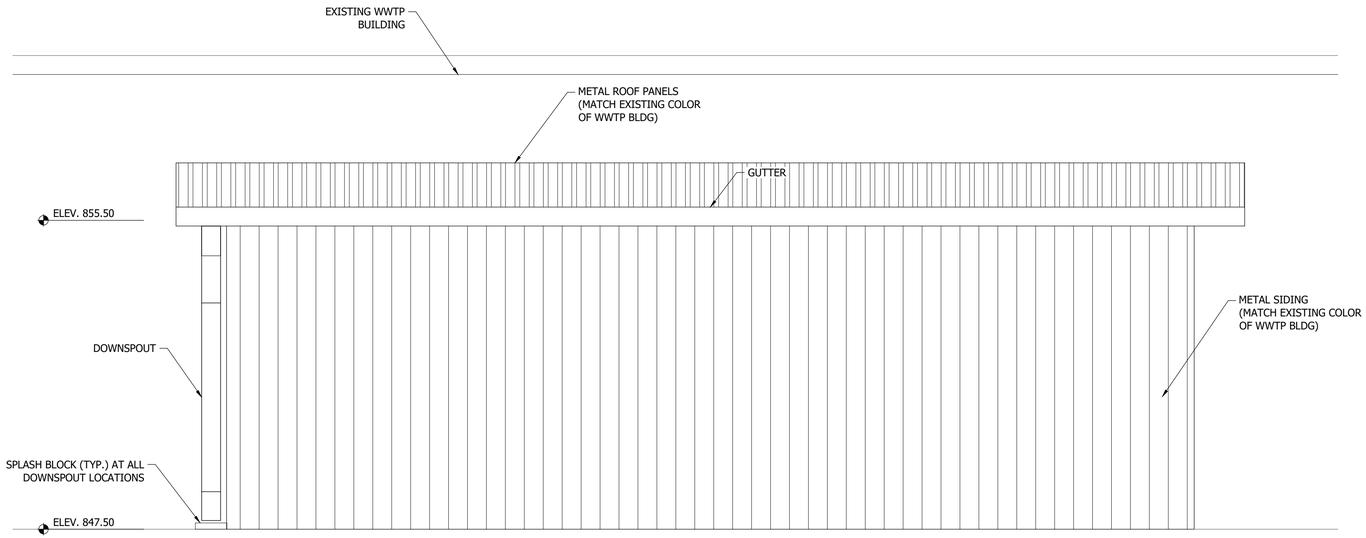
1 A201 EAST ELEVATION
SCALE: 1" = 2'-0"



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

DCCM

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SWEETSER, INDIANA, 46987

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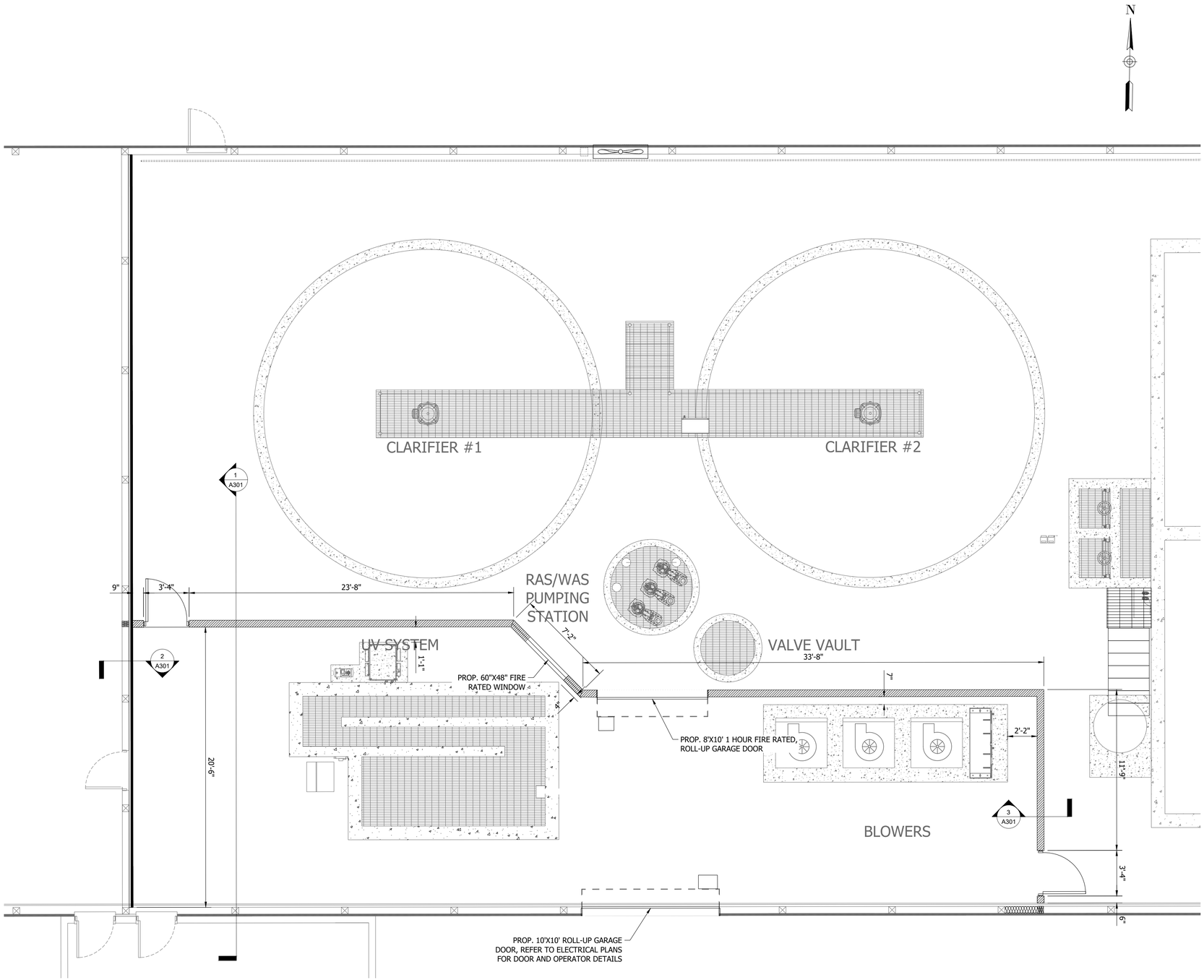
RICARDO JUAN PAREDES ARANCIBIA
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

2' 0 2' 4'
GRAPHIC SCALE

PROPOSED ELECTRICAL ROOM ELEVATIONS

A201

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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.

DCCM

BID SET

SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

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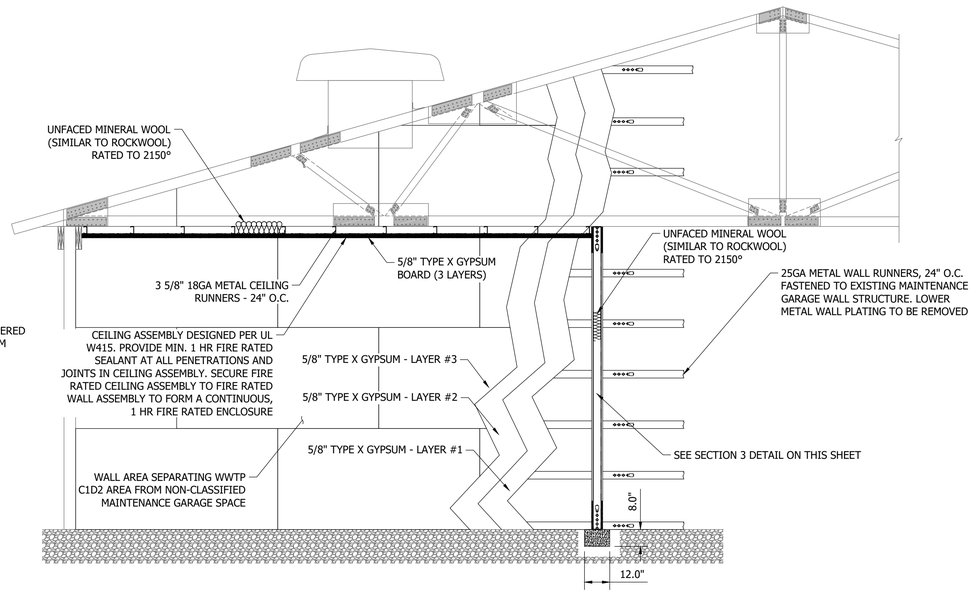
RICARDO JUAN PAREDES ARANGUREN
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

4' 0 4' 8'
GRAPHIC SCALE

PROPOSED UV AND BLOWERS FLOOR PLAN

A300

PRINT DATE: 10/8/26
PLOT SCALE: 1:1 EDIT DATE: 10/8/26 - 6:28 AM EDITED BY: RHUNT DRAWING FILE: P:\400-6314 SWEETSER WW IMPROVEMENTS\5 ACAD\PLAN SHEETS & WORKING DRAWINGS\400631 4 WWTP PROPOSED UV AND BLOWERS FLOOR PLAN.DWG

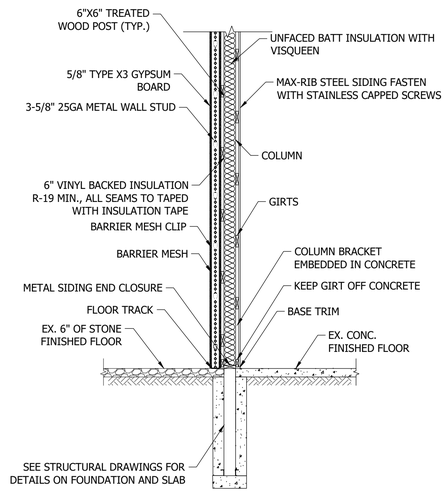


1 A301 SECTION
SCALE: 1" = 3'-0"

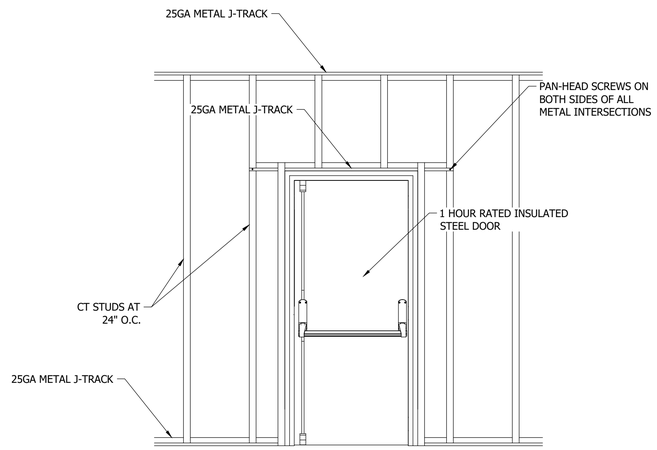
NOTE:

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

C1D2 SIDE

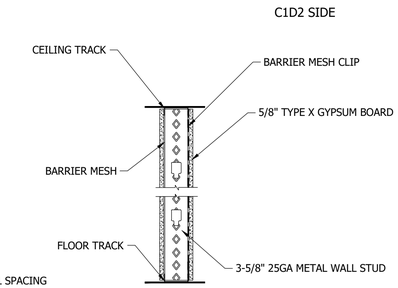


2 A301 SECTION
SCALE: NONE



DOOR DETAIL (OPENING ROOM SIDE)
SCALE: NONE

C1D2 SIDE



NOTES:

1. RECOMMENDED CLIP SPACING - VERTICAL SPACING OF 8M CLIPS TO FRAMING AT 10"-12" O.C.
2. 24" O.C. STUD SPACING: USAGE WILL BE 16 CLIPS PER 4X8 BARRIER MESH PANEL, 50 CLIPS PER 100 SF.
3. WALL ASSEMBLY DESIGNED PER UL U419, 1 HR RATED CONFIGURATION. PROVIDE MIN. 1 HR FIRE RATED SEALANT AT ALL PENETRATIONS AND JOINTS IN WALL ASSEMBLY. SECURE FIRE RATED WALL ASSEMBLY TO FIRE RATED CEILING ASSEMBLY TO FORM A CONTINUOUS, 1 HR FIRE RATED ENCLOSURE.

3 A301 SECTION DETAIL
SCALE: NONE

DCCM

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RICARDO JUAN PAREDES ARANCIBIA
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

PROPOSED UV AND BLOWERS ROOM SECTIONS AND DETAILS

A301

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GENERAL STRUCTURAL NOTES

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

GENERAL

1. 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.
2. All work shall be performed in accordance with the Indiana Building Code, 2014 Edition (2012 International Building Code, first printing, with Indiana Amendments).
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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

1. Exterior footings shall bear 3'-0" minimum below finish grade and shall bear on undisturbed soil.
2. Foundation excavations shall be made to plan elevations. If any unexpected conditions are present, notify Engineer and Owner and retain Geotechnical engineer for evaluation. If the underlying soils are found to be unacceptable, one of the following procedures shall be followed:
   A. Remove the unacceptable soil and backfill with an engineered structural fill in accordance with the geotechnical engineering report or inspecting Geotechnical Engineer.
   B. Lower the footing to an acceptable soil. Contact the Structural Engineer for potential modifications to the foundation system.
3. 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.
4. 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.
5. Foundation conditions noted during construction that are unexpected shall be reported to the Structural Engineer and Geotechnical Engineer before further construction is attempted.
6. Center all column and wall footings under the column or wall above unless otherwise indicated.

CONCRETE

1. 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).
2. Slabs-on-grade shall be constructed in accordance with the latest edition of the Guide for Concrete Floor and Slab Construction (ACI 302.1R).
3. 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.
4. 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.
5. 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.
6. Unless noted otherwise, ground granulated blast-furnace slag (GGBFS) 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 GGBFS shall be proportioned to account for the properties of the specific GGBFS used and to account for the specific properties of the GGBFS concrete thus resulting. The ratio of the amount of the GGBFS to the total amount of GGBFS plus cement in the mix shall not exceed 40 percent.
7. 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.
8. 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.
9. 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.
10. 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.
11. 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.
12. 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.
13. 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).
14. 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).
15. 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.
16. 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.
17. The Contractor shall be responsible for any difficulties in concrete finishing that may arise due to the use of the fiber reinforced concrete
18. Protect finished concrete surfaces from damage, rain, hail, running water, other injurious effects.
19. 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.
20. Construction joints at locations other than where indicated shall be submitted to the Structural Engineer for approval.
21. 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.
22. 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.
23. Provide 3/4-inch chamfers on all exposed corners of concrete except those abutting masonry.
24. 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.
25. 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

1. 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.
2. 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.
3. Reinforcement bars shall not be tack welded, welded, heated or cut unless otherwise indicated or approved by the Structural Engineer.
4. 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.
5. 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.
6. Concrete cover over reinforcement, unless otherwise noted, shall be as specified in the latest edition of ACI 318.
7. 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"

8. Unless noted otherwise, splicing of reinforcing bars shall conform to the latest edition of ACI 318.
9. 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.
10. 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.
11. 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

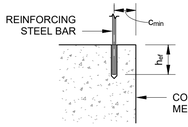
1. Structural steel detailing, fabrication and erection shall conform to the latest editions of the AISC Specification for Structural Steel Buildings, Allowable Stress Design and Plastic Design and the AISC Code of Standard Practice for Steel Buildings and Bridges.
2. Erector shall maintain minimum temporary bracing at each bay in each direction until the roof diaphragm and permanent lateral load resisting system construction are complete.
3. 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.
4. 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.
5. 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.
6. 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).
7. 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.
8. 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.
9. Field drilled holes shall be reamed, cleaned and deburred prior to assembly of the connection.
10. 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".
11. 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.
12. 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

1. 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.
2. Care shall be taken in placing post-installed anchors to avoid conflicts with existing reinforcing steel.
3. 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.
4. 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 the specified products using the appropriate design procedure and/or standard(s) as required by the building code.
5. 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.
6. Anchors shall be subject to the following additional requirements:
   A. Anchors shall meet the requirements of ACI 355.2 (mechanical anchors) and ACI 355.4 (adhesive anchors).
   B. Anchors shall not be installed in concrete that has cured less than 28-days unless receiving prior approval from the Structural Engineer.
   C. Anchors shall not be installed until the concrete has reached a minimum compressive strength of 2,500 psi.
   D. Concrete temperature must be within the permitted range included in the MPII.
   E. 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.
   F. 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:

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

WOOD FRAMING

1. 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/NFoPA NDS).
2. 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.
3. 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.
4. 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.
5. Rough sawn timbers shall be treated and finished where specified. Ends exposed to weather shall be treated with CCA.
6. Connections not specifically detailed herein shall be per Table 2304.9.1 of the 2012 International Building Code.
7. Truss load carrying capacities, repair design and details were based on an assumed structural lumber species and grade of Southern Pine, No. 2.
8. 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:
Spread footings — 1,500 psf (assumed)
Continuous wall footings — 1,500 psf (assumed)

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 (as an alternate, — ASTM A992, Fy = 50ksi
Structural steel rolled S, M, and HP shapes & channels — ASTM A572, Grade 50 may be used)
Structural steel rolled plates & angles — ASTM A36
All other members — ASTM A36
Connection bolts — ASTM A36
Anchor bolts — ASTM A325N
Stainless steel members — ASTM A36
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, Ss — 18.0% g
Mapped MCE Seismic Spectral Response Acceleration at 1 Second, S — 8.1% g
Site Class — D (assumed)
Seismic Design Category — B

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SWEETSER WASTEWATER IMPROVEMENTS

SWEETSER, INDIANA, 46987

#	Revision	Date

Project #: 25-197

Designed By: JRS

Drawn By: JRS

Checked By: LKL

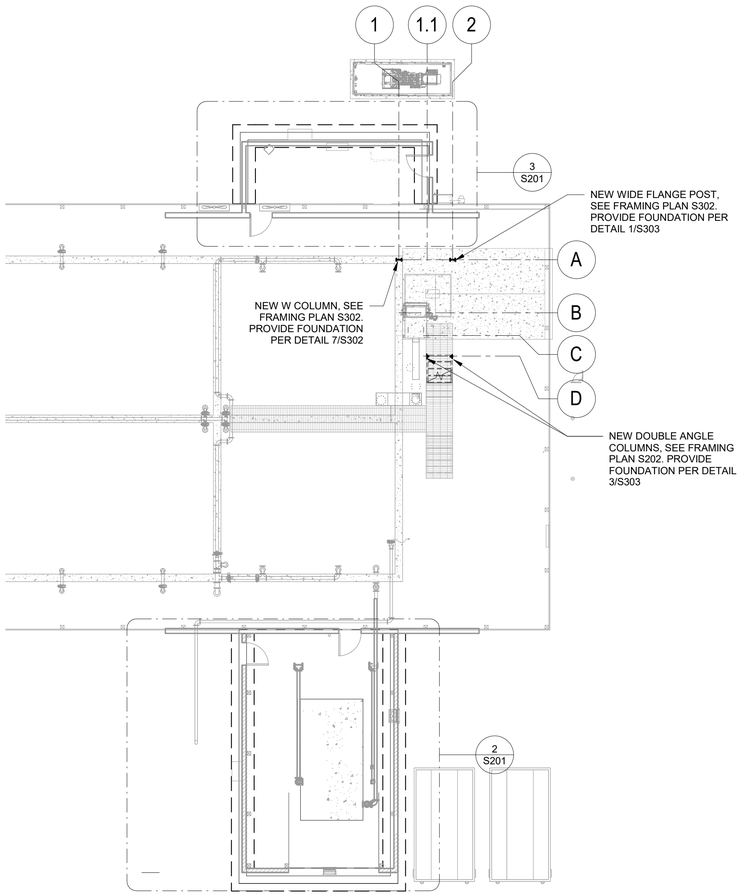
Date: 08/28/2026

10/12/2026

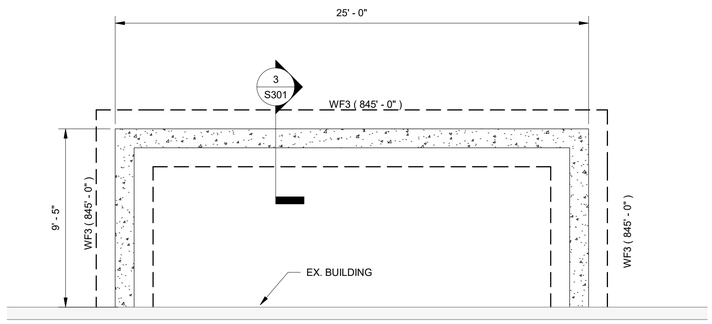
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GENERAL STRUCTURAL NOTES

S101



1 S201 OVERALL WORK PLAN
1" = 10'-0"



3 S201 ELECTRICAL BUILDOUT FOUNDATION PLAN
1/4" = 1'-0"

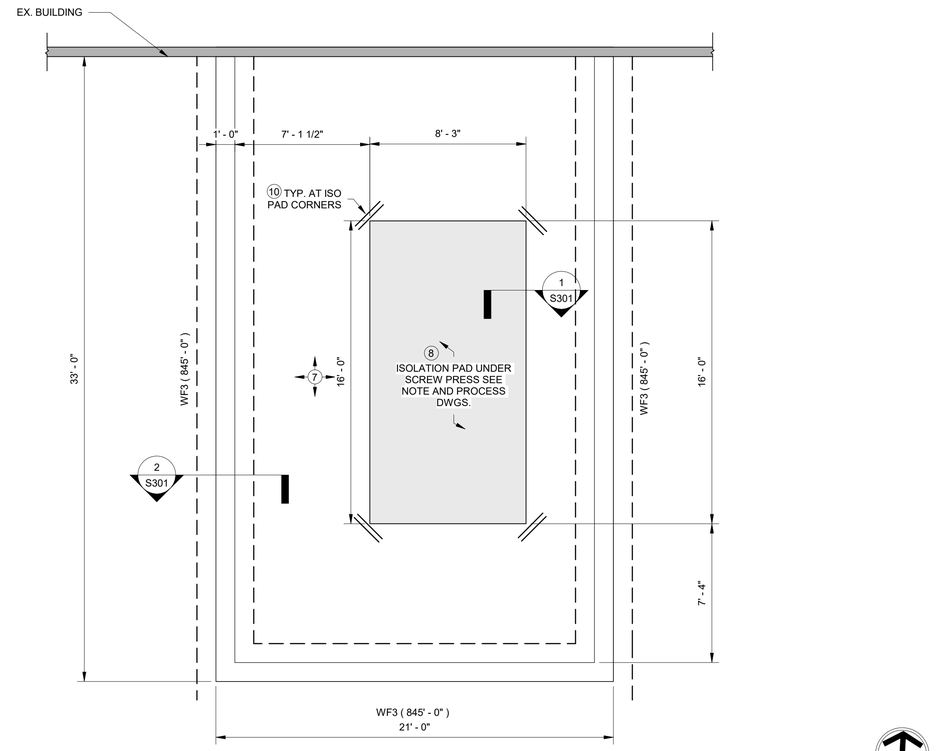
FOUNDATION PLAN NOTES

○ INDICATES NOTE REFERENCED IN PLAN

1. SEE GENERAL STRUCTURAL NOTES (S101) FOR ADDITIONAL INFORMATION.
2. T/SLAB ELEVATION = +848'-0" STRUCTURAL DRAWINGS, UNLESS NOTED OTHERWISE
   T/FOOTING ELEVATION = SEE PLAN AND SCHEDULE
   T/PEDESTAL ELEVATION = SEE PLAN AND SCHEDULE
3. 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.
4. FX (X'-X") OR WFX (X'-X") DENOTES FOOTING MARK AND ELEVATION, SEE FOOTING SCHEDULES.
5. ALL EXTERIOR FOOTINGS ARE TO BEAR A MINIMUM 3'-0" BELOW FINISH GRADE.
6. ALL FOOTINGS ARE CENTERED BENEATH BEARING WALLS AND COLUMNS UNLESS NOTED OTHERWISE.
7. 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
8. 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
9. MAINTAIN SLAB THICKNESSES AT ALL FLOOR SLOPES AND DEPRESSIONS.
10. 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.
11. GENERAL CONTRACTOR MAY SUBMIT ALTERNATE CONSTRUCTION / CONTRACTION JOINT PLAN TO ACCOMMODATE CONSTRUCTION. APPROVAL IS REQUIRED ON ALTERNATE PLANS PRIOR TO CONSTRUCTION.
12. ALL FLOOR SLABS SHALL CONFORM TO THE FOLLOWING ACI F-NUMBER REQUIREMENTS:
    SPECIFIC OVERALL VALUE: FF-30 / FL-20
    MINIMUM LOCAL VALUE: FF-15 / FL-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.



2 S201 SCREW PRESS BUILDOUT FOUNDATION PLAN
1/4" = 1'-0"

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SWEETSER WASTEWATER IMPROVEMENTS

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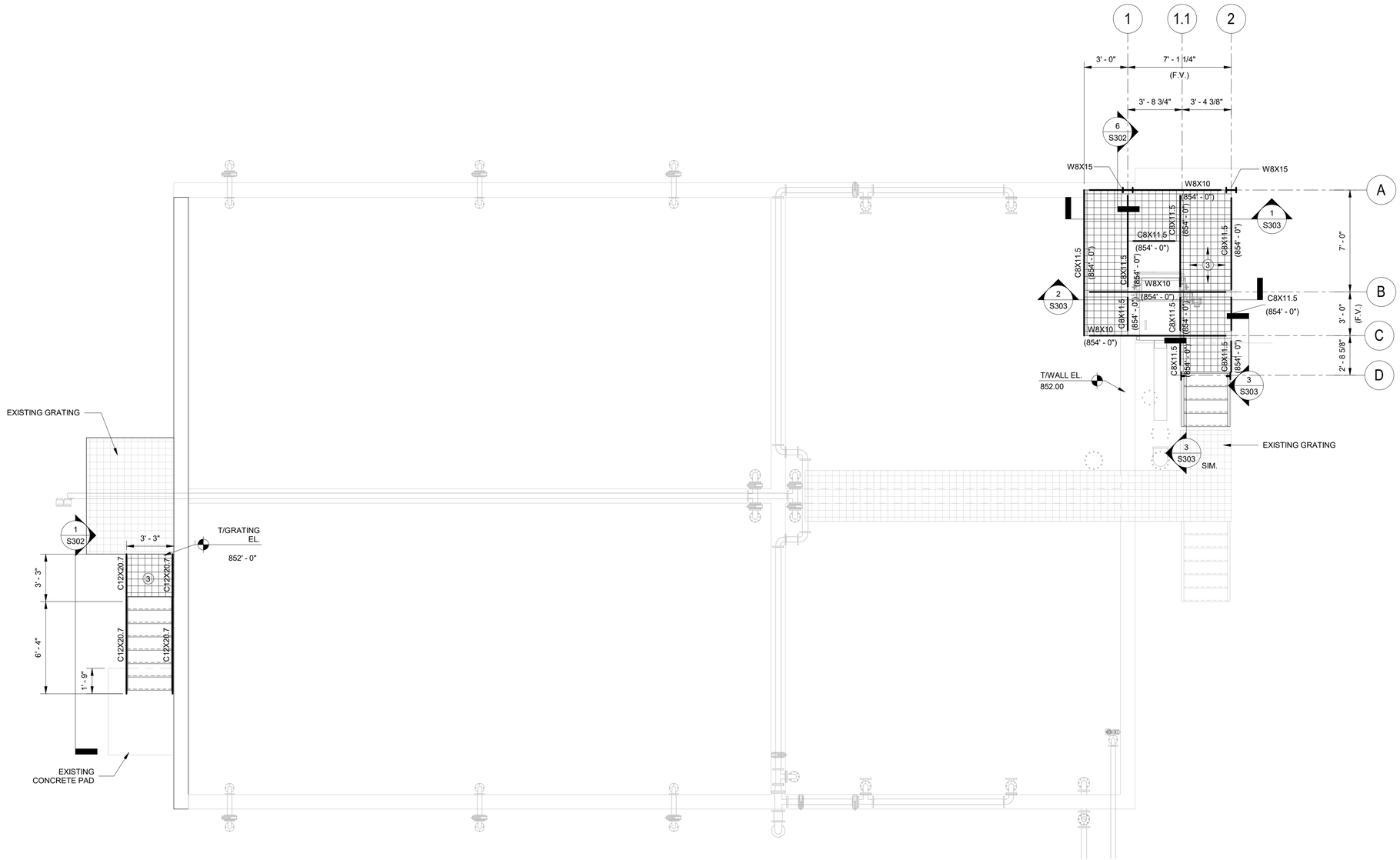
FOUNDATION / SLAB-ON-GRADE PLAN

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. 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"

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WALKWAY PLAN

S202

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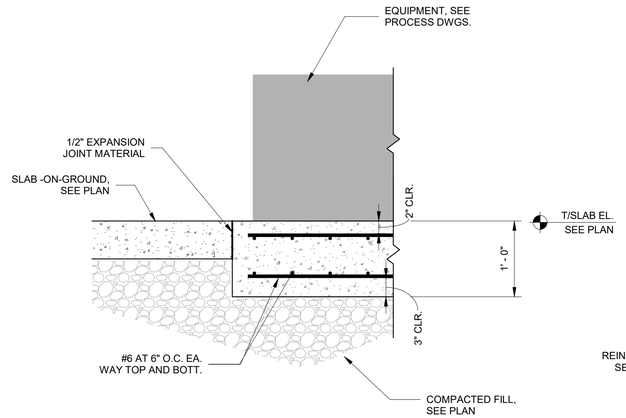
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Checked By: LKL

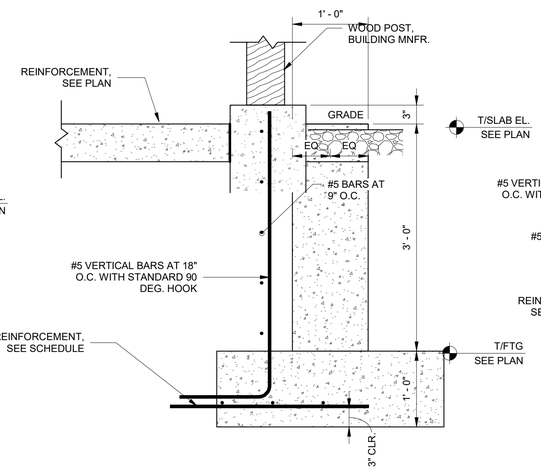
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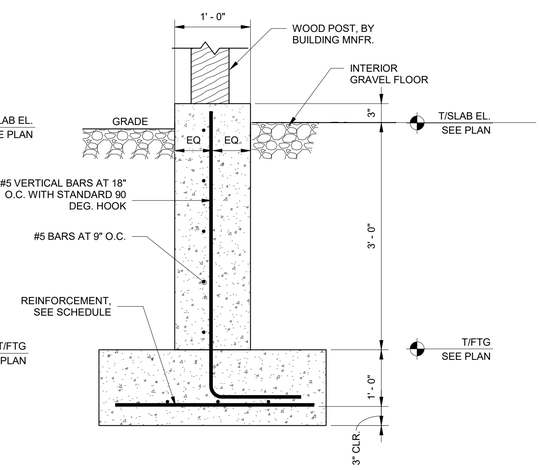
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REGISTERED
No. PE11700794
STATE OF INDIANA
PROFESSIONAL ENGINEER



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



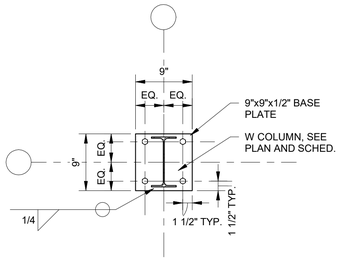
2 S301 SECTION
1" = 1'-0"



3 S301 SECTION
1" = 1'-0"

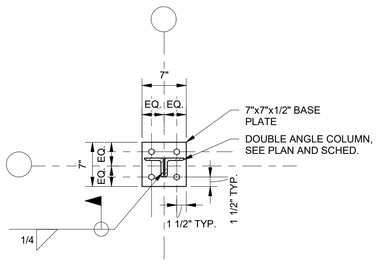
FOUNDATION SECTIONS AND DETAILS

S301



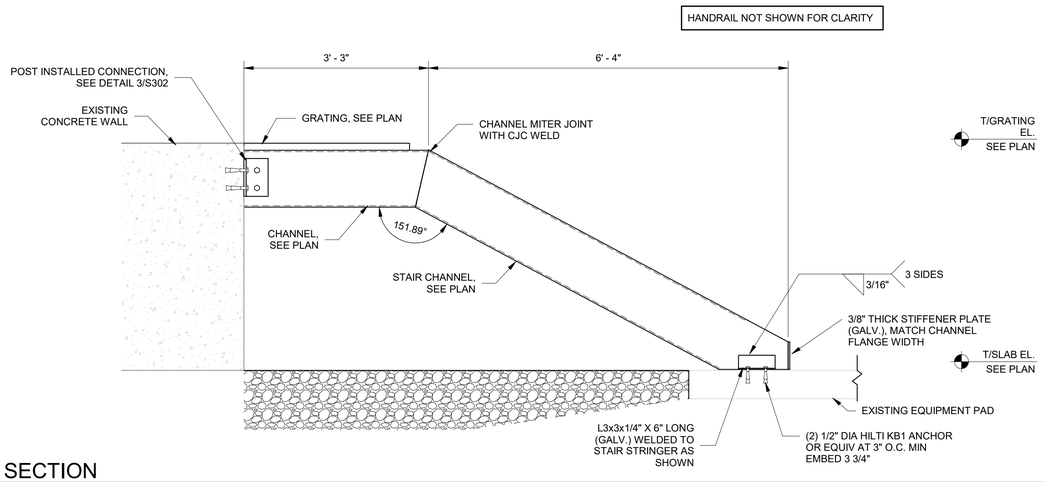
7 BASE PLATE DETAIL

S302 1" = 1'-0"



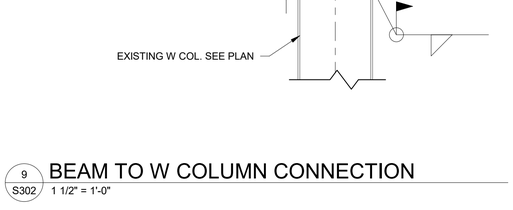
4 BASE PLATE DETAIL

S302 1" = 1'-0"



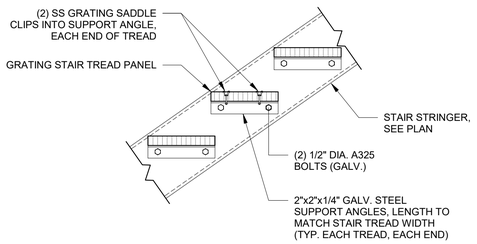
1 SECTION

S302 3/4" = 1'-0"



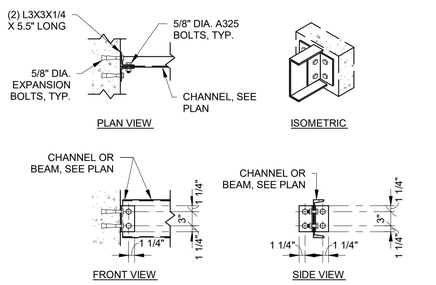
8 SECTION

S302 3/4" = 1'-0"



5 TYP. STAIR TREADS

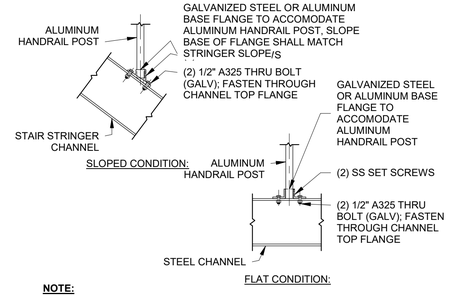
S302 1" = 1'-0"



NOTE: ALL STEEL AND ACCESSORIES TO BE HOT-DIP GALVANIZED

3 TYP. CHANNEL TO WALL

S302 3/4" = 1'-0"

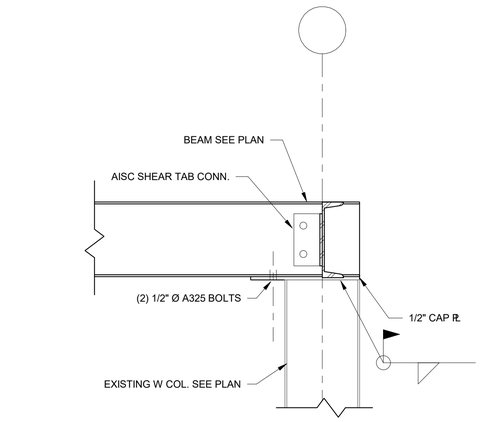


NOTE:

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.

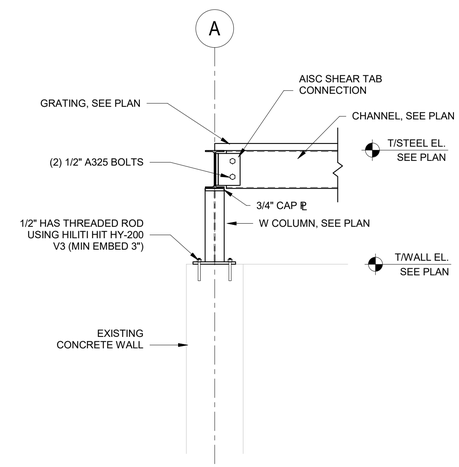
2 HANDRAIL BASE FLANGE - AT STEEL

S302 3/4" = 1'-0"



9 BEAM TO W COLUMN CONNECTION

S302 1 1/2" = 1'-0"



6 SECTION

S302 3/4" = 1'-0"

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CE Solutions structural engineers

SWEETSER WASTEWATER IMPROVEMENTS

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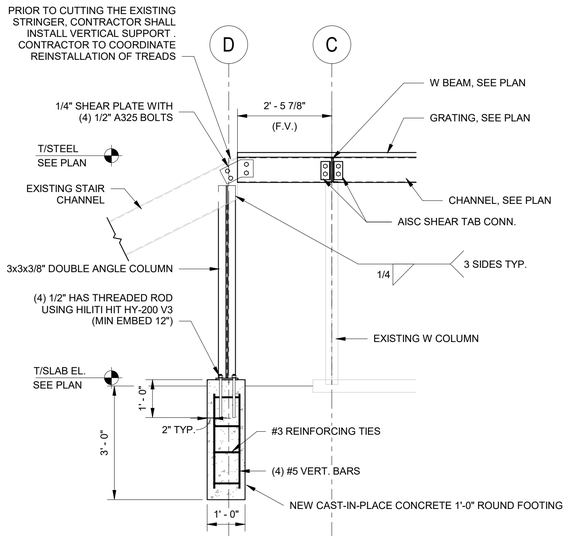
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WALKWAY SECTIONS AND DETAILS

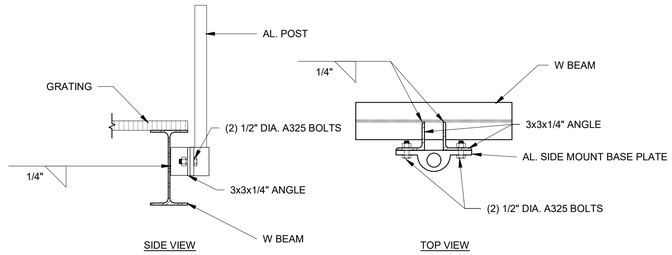
S302



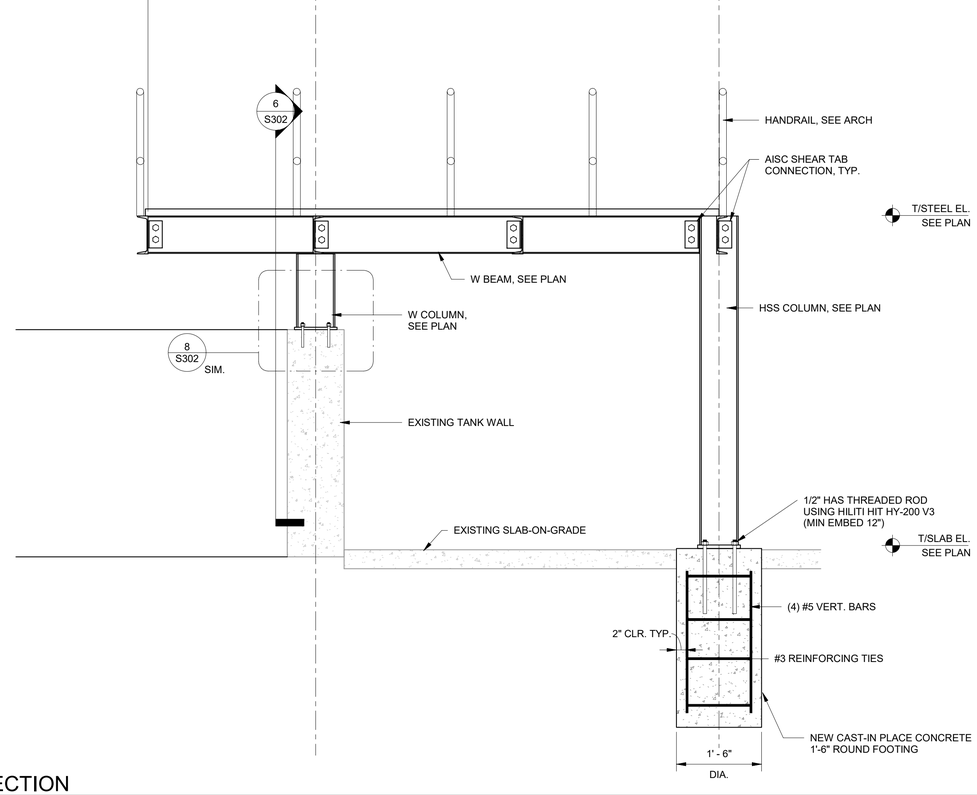
3 S303 SECTION
1/2" = 1'-0"

NOTE:

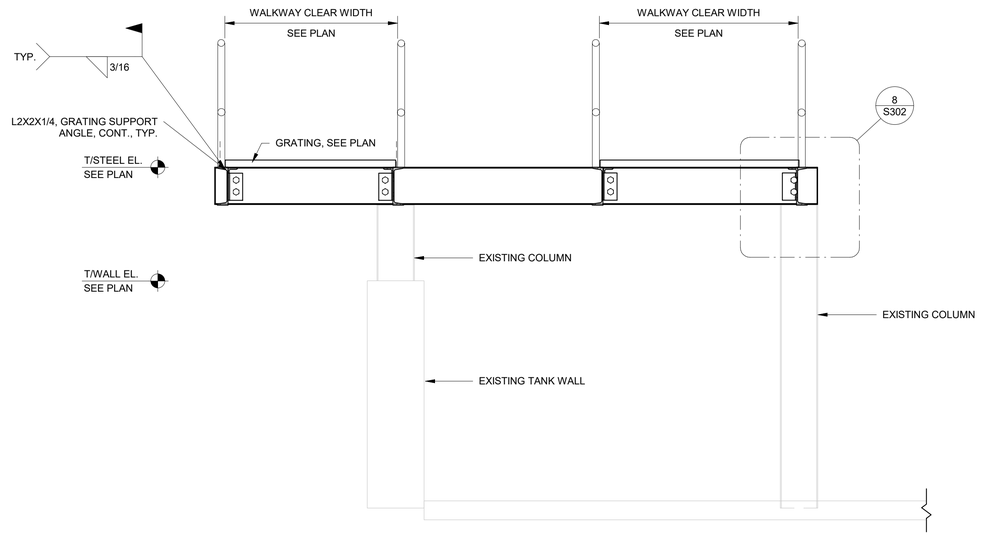
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4 S303 HANDRAIL TO W-BEAM
1 1/2" = 1'-0"



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



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

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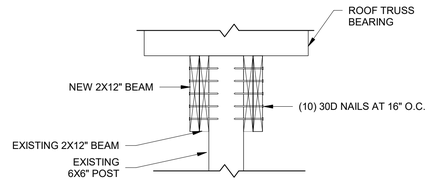
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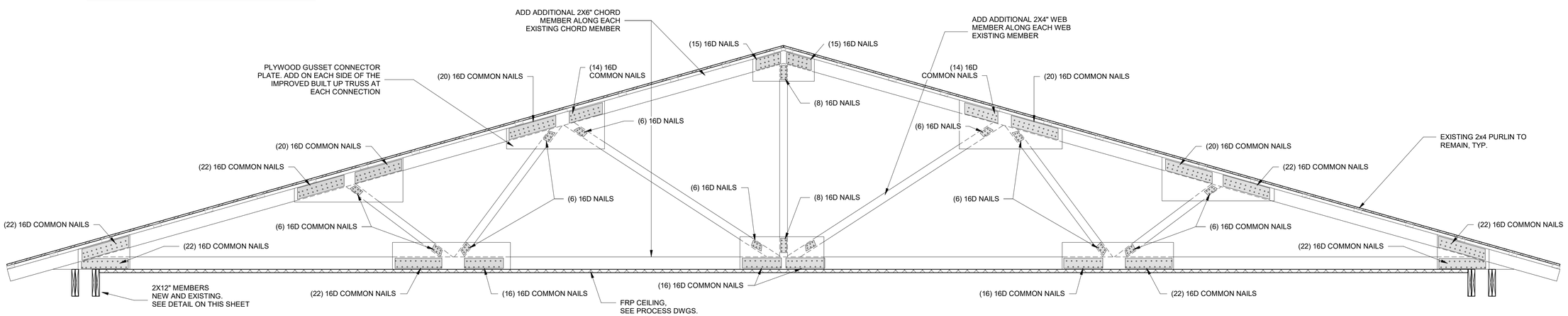
WALKWAY SECTIONS AND DETAILS

S303



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"

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TRUSS REINFORCEMENT

S401