CONSTRUCTION DRAWINGS

FOR

CITY OF VALDOSTA, GEORGIA

VALDOSTA
A City Without Limits

WITHLACOOCHEE WATER POLLUTION CONTROL PLANT

LOCATION MAP
SCALE: NTS

SEPTEMBER 2025

SITE LOCATION
SCALE: NTS

GEORGIA811
www.Georgia811.com
Contact 811 before you dig.

72 HOURS NOTICE IS REQUIRED TO GEORGIA 811 UTILITY PROTECTION CENTER BEFORE ANY PLANNED DIGGING

TELEPHONE NUMBER: 1-800-282-7411

CDM Smith

4651 SALISBURY ROAD, SUITE 420
JACKSONVILLE, FL 32256
TEL: (904) 731-7109
GA COA NO. PEF000106; EXP. DATE 06/30/2026

PROJECT NUMBER: 20790-298446

ISSUED FOR BID

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY IOANNIS M. POLEMATIDIS, P.E. NO. 044163 ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES .

GEORGIA REGISTERED No. PE044163 PROFESSIONAL IOANNIS M. POLEMATIDIS ENGINEER

Digitally signed by Ioannis M Polematidis
DN: C=US, E=PolematidisIM@cdmsmith.com, O=CDM Smith, OU=NAU, CN=Ioannis M Polematidis
Date: 2025.10.03 08:58:11-04'00'

Ioannis M Polematidis

G-0	COVER SHEET AND LOCATION MAP
G-1	INDEX TO DRAWINGS, GENERAL NOTES AND LEGEND
M-1	BELT FILTER PRESS DEMOLITION PLAN
M-2	BELT FILTER PRESS DEMOLITION SECTIONS
M-3	BELT FILTER PRESS MODIFICATION PLAN
M-4	BELT FILTER PRESS MODIFICATIONS SECTION
MD-1	MECHANICAL DETAILS

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY SPENCER J. PERRY, P.E. NO. 036494 ON THE DATE ADJACENT TO THE SEAL.

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GEORGIA REGISTERED No. 036494 PROFESSIONAL SPENCER J. PERRY, JR. ENGINEER

Spencer J Perry
GA PE 36494
2025.10.02 16:17:37-04'00'

E-1	ELECTRICAL LEGEND I
E-2	ELECTRICAL LEGEND II
E-3	ELECTRICAL NOTES
E-4	EXISTING SWBD-WWA AND MCC-DB ONE LINE POWER DIAGRAMS (DEMOLITION)
E-5	EXISTING SWBD-WWA AND MCC-DB ONE LINE POWER DIAGRAMS (MODIFICATIONS)
E-6	RISER DIAGRAMS
E-7	DEWATERING BUILDING ELECTRICAL DEMOLITION PLAN
E-8	DEWATERING BUILDING ELECTRICAL MODIFICATIONS PLAN
ED-1	ELECTRICAL DETAILS

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JUSTIN S. BOGGS, P.E. NO. 001701 ON THE DATE ADJACENT TO THE SEAL.

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GEORGIA REGISTERED No. 001701 STRUCTURAL JUSTIN S. BOGGS ENGINEER

Justin S Boggs
GA SE 001701
2025.10.02 15:32:46-04'00'

S-1	STRUCTURAL GENERAL NOTES
S-2	DEWATERING BUILDING DEMOLITION PLAN, SECTIONS, AND DETAILS
S-3	DEWATERING BUILDING MODIFICATION PLAN, SECTIONS AND DETAILS

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY WILLIAM SCOTT WHITMORE, P.E. NO. 047927 ON THE DATE ADJACENT TO THE SEAL.

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GEORGIA REGISTERED No. PE047927 PROFESSIONAL WILLIAM SCOTT WHITMORE ENGINEER

William S Whitmore
GA PE047927
2025.10.02 14:42:16-04'00'

I-1	INSTRUMENTATION LEGEND I
I-2	INSTRUMENTATION LEGEND II
I-3	PROCESS AND INSTRUMENTATION DIAGRAM - BELT FILTER PRESS AND POLYMER SYSTEM
ID-1	INSTRUMENTATION DETAILS

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: A. MASSAIS
DRAWN BY: S. DALVI
SHEET CHK'D BY: A. MASSAIS
CROSS CHK'D BY: A. MARATHE
APPROVED BY: I. POLEMATIDIS
DATE: SEPTEMBER 2025

CDM Smith
4651 Salsbury Road, Suite 420
Jacksonville, FL 32256
Tel: (904) 731-7109
GA COA No. PEF000106; EXP. DATE 06/30/2024

VALDOSTA A City Without Limits

CITY OF VALDOSTA, GA

WITHLACOOCHEE WATER POLLUTION CONTROL PLANT

SIGNATURE SHEET

PROJECT NO. 20790-298446
FILE NAME: GOOANFSG.DWG

SHEET NO.
G-0-A

ISSUED FOR BID

SHEET INDEX

PROCESS PIPE IDENTIFICATION

PROCESS FLOW STREAMS

DRN	DRAIN
POL	POLYMER SOLUTION
PSW	PLANT SERVICE WATER
WAS	WASTE ACTIVATED SLUDGE

PROCESS EQUIPMENT

BFP	BELT FILTER PRESS
BP	BOOSTER PUMP
CNV	CONVEYOR
GBT	GRAVITY BELT THICKENER
TSL	THICKENED SLUDGE LINE

PIPE MATERIALS

CI	CAST IRON
DI	DUCTILE IRON
HDPE	HIGH DENSITY POLYETHYLENE
PVC	POLYVINYL CHLORIDE PRESSURE PIPE (SCHDULE 80 UON)
SCH 80	SCHEDULE 80 PVC
SST304	304 STAINLESS STEEL
SST316	316 STAINLESS STEEL
STL	CARBON STEEL

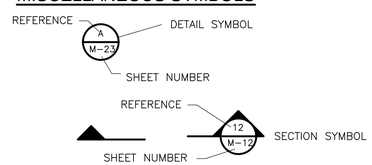
PIPE JOINTS

FLG	FLANGE
MJ	MECHANICAL JOINT
PE	PLAIN END

VALVES

ARV	AIR RELEASE VALVE
AVV	AIR VACUUM VALVE
BFV	BUTTERFLY VALVE
BV	BALL VALVE
CAV	COMBINATION AIR VALVE
CV	CHECK VALVE
GLV	GLOBE VALVE
GV	GATE VALVE
PRV	PRESSURE REGULATING VALVE
SV	SOLENOID VALVE

MISCELLANEOUS SYMBOLS



LEGENDS SYMBOLS AND ABBREVIATIONS SHOWN ON SHEETS M-1 INDICATE STANDARD SYMBOLS AND ABBREVIATIONS AND ARE PERTINENT TO THE CONDITIONS ON THIS SET OF DRAWINGS TO THE EXTENT APPLICABLE.

ADDITIONAL LEGENDS AND/OR ABBREVIATIONS MAY APPEAR IN THIS SET OF DRAWINGS TO INDICATE SPECIFIC CONDITIONS.

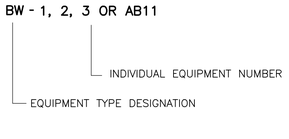
LEGEND

TO BE DEMOLISHED

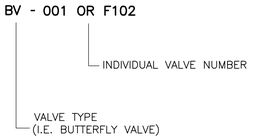
GENERAL NOTES

1. PROCESS EQUIPMENT DIMENSIONS, LOCATIONS AND PIPING SYSTEM LAYOUTS ARE BASED ON EQUIPMENT SELECTED AND SPECIFIED BY THE DESIGN ENGINEER, PER SPECIFICATION SECTION 467621 FOR BELT FILTER PRESS. IF THE CONTRACTOR PROPOSES TO FURNISH EQUIPMENT THAT REQUIRES AN ARRANGEMENT OR SPACE DIFFERING FROM THAT INDICATED ON THE DRAWINGS OR SPECIFIED, THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE ENGINEER AND OWNER FOR APPROVAL DETAILED STRUCTURAL, MECHANICAL, PLUMBING, INSTRUMENTATION, AND ELECTRICAL DRAWINGS AND EQUIPMENT LISTS SHOWING ALL NECESSARY CHANGES AND EMBODYING ALL FEATURES OF THE EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER. THIS INFORMATION SHALL INCLUDE, BUT NOT BE LIMITED TO, PROCESS SYSTEM PROPOSED, PLANS, SECTIONS, DETAILS AND SCHEMATICS OF ALL APPURTENANCES REQUIRED.
2. SIZES OF EQUIPMENT FOUNDATIONS AND EQUIPMENT PADS INDICATED ON THE DRAWINGS ARE APPROXIMATE. EXACT DIMENSIONS SHALL BE DETERMINED BY THE CONTRACTOR FOR THE EQUIPMENT FURNISHED. ALL FLOOR MOUNTED EQUIPMENT SHALL BE SET ON CONCRETE PADS CONFORMING TO DETAILS SHOWN ON THE STRUCTURAL DRAWINGS.
3. CONTRACTOR SHALL COORDINATE EXACT LOCATION AND LENGTHS REQUIRED FOR ALL PIPING CONNECTIONS WITH THE EQUIPMENT SUPPLIERS, AND OWNER.
4. WATER SUPPLY CONNECTIONS TO PROCESS EQUIPMENT AND PROCESS PIPES ARE SHOWN ON THE MECHANICAL DRAWINGS. DETAILS OF CONTROL VALVE STATIONS, MAKE-UP WATER CONNECTIONS, FLUSHING CONNECTIONS ETC. ARE SHOWN ON THE MECHANICAL DRAWINGS. IF APPLICABLE, LIMITS OF WORK ARE SHOWN ON THE MECHANICAL, INSTRUMENTATION, ELECTRICAL AND PLUMBING DRAWINGS.
5. DIELECTRIC COUPLINGS, FLANGES OR UNIONS SHALL BE INSTALLED AT ALL CONNECTIONS OF DISSIMILAR METALS AND AS INDICATED ON DRAWINGS
6. MECHANICAL PLANS AND SECTIONS DO NOT SHOW ALL VALVES, GAUGES, SWITCHES, OPERATORS, DRAINS, VENTS, ETC. REQUIRED FOR THE COMPLETE SYSTEM. CERTAIN SMALL DIAMETER PROCESS PIPING RUNS MAY NOT BE SHOWN IN THEIR ENTIRETY. GENERALLY, SMALL PIPING IS SHOWN DIAGRAMMATICALLY IN THE INSTRUMENTATION DRAWINGS. SHOULD A POTENTIAL ROUTING INTERFERENCE BE DISCOVERED, NOTIFY ENGINEER AND OWNER. THE CONTRACTOR SHALL FURNISH, INSTALL AND TEST ALL PIPING SYSTEMS AS INDICATED ON THE INSTRUMENTATION DRAWINGS AND SPECIFICATIONS TO PROVIDE THE COMPLETE SYSTEM.
7. UNLESS OTHERWISE SHOWN ON THE MECHANICAL DRAWINGS, ALL FLOORSLAB, WALL AND TANK PENETRATIONS SHALL BE AS SHOWN ON THE PENETRATION DETAILS INCLUDED IN THE MECHANICAL CONSTRUCTION DETAILS. ABOVE GROUND EXTERIOR WALL AND ROOF PENETRATIONS SHALL BE AS SHOWN ON THE ARCHITECTURAL DRAWINGS.
8. STANDARD PIPE SUPPORT DETAILS ARE PROVIDED IN THE MECHANICAL DETAIL DRAWINGS. SUPPORT PIPES IN ACCORDANCE WITH SPECIFICATION SECTION 400507, "HANGERS AND SUPPORTS FOR PROCESS PIPING.
9. ALL EQUIPMENT BASES AND PIPING HAVING DRAIN OUTLETS SHALL BE PIPED TO THE NEAREST OPEN END DRAIN (OED) OR TRENCH DRAIN USING SCHEDULE 80 PVC PIPE OF APPROPRIATE DIAMETER AS INDICATED ON THE DRAWINGS AND AS DIRECTED BY THE ENGINEER.
10. PIPING SHALL BE INSTALLED SUCH THAT ANY PIPE, LAYER OF PIPING OR EQUIPMENT CAN BE REMOVED WITHOUT DISTURBING REMAINING PIPES AND SUPPORTS.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAGGING ALL PROCESS PIPING VALVES AND EQUIPMENT AND RECORDING AS-BUILT LOCATIONS FOR THE SAME. PROCESS IDENTIFICATION SYSTEM SHALL BE AS DETAILED IN THE SPECIFICATIONS.
12. PORTIONS OF NON-PROCESS PIPING (PLUMBING) ARE NOT SHOWN FOR CLARITY AND FOR COORDINATION BETWEEN DISCIPLINES. REFER TO APPROPRIATE DRAWINGS AND SPECIFICATIONS.
13. DELEGATED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW DURING THE CONSTRUCTION PHASE OF THE PROJECT. REFER TO SPECIFICATION SECTION 467621 FOR DELEGATED DESIGN.
14. DELEGATED SUBMITTAL ITEMS SHALL BE SIGNED AND SEALED BY A REGISTERED ENGINEER IN THE STATE OF GEORGIA.
15. DELEGATED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THE ENGINEER OF RECORD HAS REVIEWED THE SUBMITTAL DOCUMENTS AND INDICATED THAT THEY HAVE BEEN REVIEWED AND FOUND TO BE IN GENERAL CONFORMANCE WITH THE INTENT OF THE DESIGN.
16. THE LAYOUT DRAWINGS SHOWN IN THIS SET ARE BASED ON THE RECORD DRAWINGS PRODUCED BY PARSONS WATER AND INFRASTRUCTURE, INC. DATED AUGUST 25, 2016.

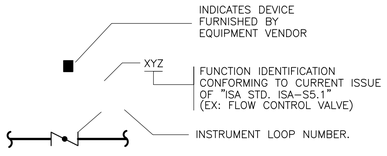
EQUIPMENT TAG



VALVE TAG



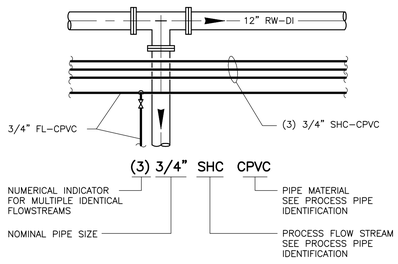
PROCESS VALVE LOOP IDENTIFICATION



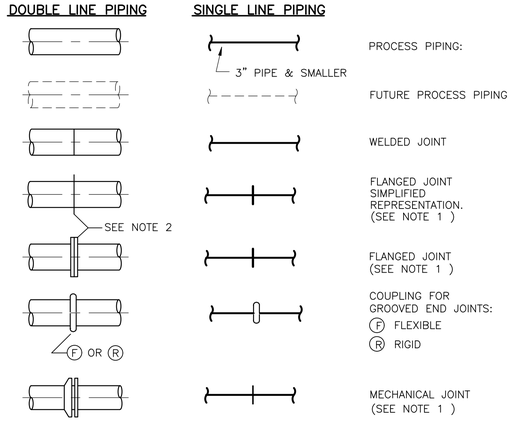
MECHANICAL DRAWINGS SHOW ONLY PRIMARY INSTRUMENT ELEMENTS. FOR ADDITIONAL DETAILS REFER TO INSTRUMENTATION SPECIFICATIONS.

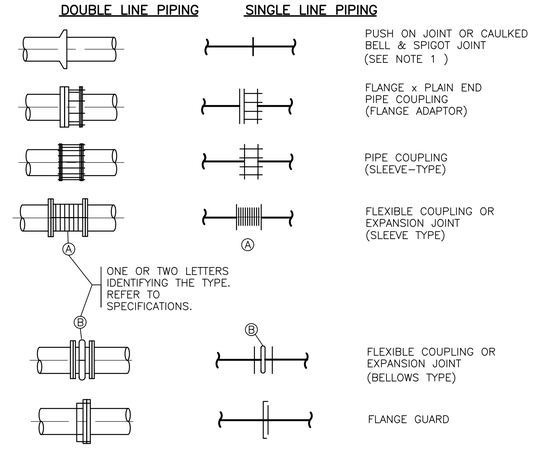
TYPICAL INSTRUMENTATION AND LOOP TAG

PIPE TAG



PIPE AND FITTING SYMBOLS





PIPE AND FITTING SYMBOLS NOTES:

1. GENERIC JOINT SYMBOL IS USED FOR ALL SINGLE LINE PIPING SHOWN ON THE INTERIOR AND EXTERIOR PIPING DRAWINGS.
2. BOTH, DETAILED AND SIMPLIFIED FLANGE REPRESENTATION SYMBOLS MAY BE SHOWN ON THE DRAWINGS.
3. UNLESS MODIFIED BY THE GENERAL PROJECT NOTES OR DETAILED ON THE LAYOUT AND SCHEMATIC DRAWINGS, PIPE AND FITTING JOINT REQUIREMENTS FOR THE VARIOUS PIPE MATERIALS ARE DEFINED IN THE SPECIFICATIONS AND ARE INDICATED ON THE PROCESS PIPE SCHEDULES.

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: A. MASSAIS
DRAWN BY: N. ANSIYA
SHEET CHK'D BY: A. MASSAIS
CROSS CHK'D BY: A. MARATHE
APPROVED BY: I. POLEMATIDIS
DATE: SEPTEMBER 2025

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Tel: (904) 731-7109
GA COA No. PEF000106; EXP. DATE 06/30/2024

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WITHLACOOCHEE WATER POLLUTION CONTROL PLANT

INDEX TO DRAWINGS, GENERAL NOTES AND LEGEND

PROJECT NO. 20790-298446
FILE NAME: G001NFLG.DWG
SHEET NO. G-1

ISSUED FOR BID

GENERAL NOTES

DESIGN CRITERIA:

CODES:

- INTERNATIONAL BUILDING CODE, 2018 EDITION WITH GEORGIA AMENDMENTS
- ENVIRONMENTAL STRUCTURES: ACI 350-06 "CODE REQUIREMENTS FOR ENVIRONMENTAL ENGINEERING CONCRETE STRUCTURES"
- ACI 318-14 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"

DESIGN LOADS:

LIVE LOADS:

- PROCESS SLABS ON GRADE 200 PSF

WIND DESIGN DATA: ASCE 7-16

- ULTIMATE DESIGN WIND SPEED, V_{ult} (3-SECOND GUST): 121 MPH
- NOMINAL DESIGN WIND SPEED, V_{asd}: 94 MPH
- RISK CATEGORY: III
- WIND EXPOSURE CATEGORY: C
- ENCLOSURE CLASSIFICATION: PARTIALLY ENCLOSED
- INTERNAL PRESSURE COEFFICIENT: ±0.55

EARTHQUAKE:

- SEISMIC DESIGN CATEGORY B
- RISK CATEGORY III
- SOIL SITE CLASS D
- SEISMIC IMPORTANCE FACTOR, I_e 1.25
- MAPPED SPECTRAL RESPONSE ACC, S_S 0.09
- MAPPED SPECTRAL RESPONSE ACC, S_1 0.055
- SPECTRAL RESPONSE COEFFICIENT, S_{DS} 0.097
- SPECTRAL RESPONSE COEFFICIENT, S_{D1} 0.088

CONCRETE 28-DAY STRENGTH:

- SLABS 4000 PSI

REINFORCING STEEL:

- ALL BARS ASTM A615, GRADE 60

FOUNDATIONS:

- PRESUMPTIVE VERTICAL BEARING CAPACITY 2000 PSF

GENERAL CONDITIONS:

ALL STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE MECHANICAL, CIVIL, ELECTRICAL AND SHOP DRAWINGS AND SPECIFICATIONS.

THE CONTRACTOR SHALL REVIEW AND VERIFY DIMENSIONS SHOWN IN ALL PLANS AND REVIEW ALL FIELD CONDITIONS THAT MAY AFFECT THE INSTALLATION OF THE FACILITY, SHOULD DISCREPANCIES APPEAR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING TO OBTAIN ENGINEER'S CLARIFICATION BEFORE COMMENCING WITH THE WORK.

FOR ALL ITEMS EMBEDDED IN OR PASSED THROUGH CONCRETE, THE CONTRACTOR SHALL INITIALLY REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR TYPE, SIZE, LOCATION AND SPECIAL INSTALLATION REQUIREMENTS FOR THESE ITEMS.

THE CONTRACTOR SHALL TAKE ANY AND ALL NECESSARY MEASURES TO PROTECT EXISTING STRUCTURES FROM DAMAGE WHEN WORKING IN AND AROUND EXISTING STRUCTURES PERFORMING WORK SUCH AS DEMOLITION, FOUNDATION EXCAVATION AND OTHERS.

SIZE AND LOCATION OF EQUIPMENT PADS AND ANCHOR BOLTS SHALL BE PER EQUIPMENT MANUFACTURER'S REQUIREMENTS.

ANY EQUIPMENT THAT MAY INDUCE VIBRATION TO THE STRUCTURE SHALL BE ADEQUATELY ISOLATED FROM THE STRUCTURES.

ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSE-WHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN.

CONCRETE:

ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 350 REQUIREMENTS.

ALL CONCRETE SHALL BE AIR-ENTRAINED AT 28 DAYS UNLESS OTHERWISE NOTED.

WATER REDUCING AGENT SHALL BE IN ACCORDANCE WITH ASTM C494.

ALL CONCRETE SURFACES EXPOSED TO AIR, UNLESS OTHERWISE NOTED IN SPECIFICATIONS, SHALL BE TREATED WITH AN APPROPRIATE CURING COMPOUND AS SOON AS CEMENT FINISHING IS COMPLETED OR FORMS ARE REMOVED.

ALL EXPOSED CORNERS OF CONCRETE SHALL HAVE A MINIMUM CHAMFER OF ¾" UNLESS OTHERWISE NOTED.

THE CONTRACTOR SHALL OBTAIN ENGINEER'S APPROVAL FOR THE LOCATION OF CONSTRUCTION JOINTS THAT ARE NOT SHOWN ON THE DRAWING.

DELEGATED SUBMITTALS

1. THE FOLLOWING PORTIONS OF THE PROJECT ARE DELEGATED SUBMITTAL ITEMS AND HAVE NOT BEEN DESIGNED BY THE ENGINEER OF RECORD:
   a. EQUIPMENT AND CONDUIT SUPPORT ANCHORAGES
2. DELEGATED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW DURING THE CONSTRUCTION PHASE OF THE PROJECT.
3. DELEGATED SUBMITTAL ITEMS SHALL BE SIGNED AND SEALED BY A CIVIL OR STRUCTURAL ENGINEER REGISTERED IN THE STATE OF GEORGIA.
4. DELEGATED SUBMITTAL ITEMS SHALL NOT BE ERECTED OR INSTALLED UNTIL THE ENGINEER OF RECORD HAS REVIEWED THE SUBMITTAL DOCUMENTS AND INDICATED THAT THEY HAVE BEEN REVIEWED AND FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE STRUCTURE.

ABBREVIATIONS:

AL	ALUMINUM	MIN	MINIMUM
BLDG	BUILDING	MISC	MISCELLANEOUS
BOT	BOTTOM	NF	NEAR FACE
℄	CENTER LINE	NTS	NOT TO SCALE
CC	CENTER TO CENTER	OC	ON CENTER
CJ	CONTROL JOINT	PCJ	PARTIAL CONTRACTION JOINT
CMU	CONCRETE MASONRY UNIT	PL	PLATE
CONC	CONCRETE	PLF	POUNDS PER LINEAR FOOT
CONST JT	CONSTRUCTION JOINT	PROJ	PROJECTION
CONT	CONTINUOUS	PSF	POUNDS PER SQUARE FOOT
DIA	DIAMETER	PSI	POUNDS PER SQUARE INCH
DWG	DRAWING	REINF	REINFORCEMENT
EF	EACH FACE	SIM	SIMILAR
EJ	EXPANSION JOINT	SPECS	SPECIFICATIONS
EL	ELEVATION	SS	STAINLESS STEEL
EW	EACH WAY	STD	STANDARD
FF	FAR FACE	T&B	TOP AND BOTTOM
FTG	FOOTING	T/STRUCTURE	TOP OF STRUCTURE
HORIZ	HORIZONTAL	TYP	TYPICAL
HP	HIGH POINT	UON	UNLESS OTHERWISE NOTED
ID	INSIDE DIAMETER	VERT	VERTICAL
LP	LOW POINT	WSTP	WATERSTOP
MAT'L	MATERIAL	WWF	WELDED WIRE FABRIC
MAX	MAXIMUM		

NOTE: THESE ABBREVIATIONS ARE FOR USE ON STRUCTURAL DRAWINGS ONLY.

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: K. FRANCOFORTE
DRAWN BY: K. FRANCOFORTE
SHEET CHK'D BY: P. KALARIA
CROSS CHK'D BY: M. TRAPP
APPROVED BY: J. BOGGS
DATE: SEPTEMBER 2025

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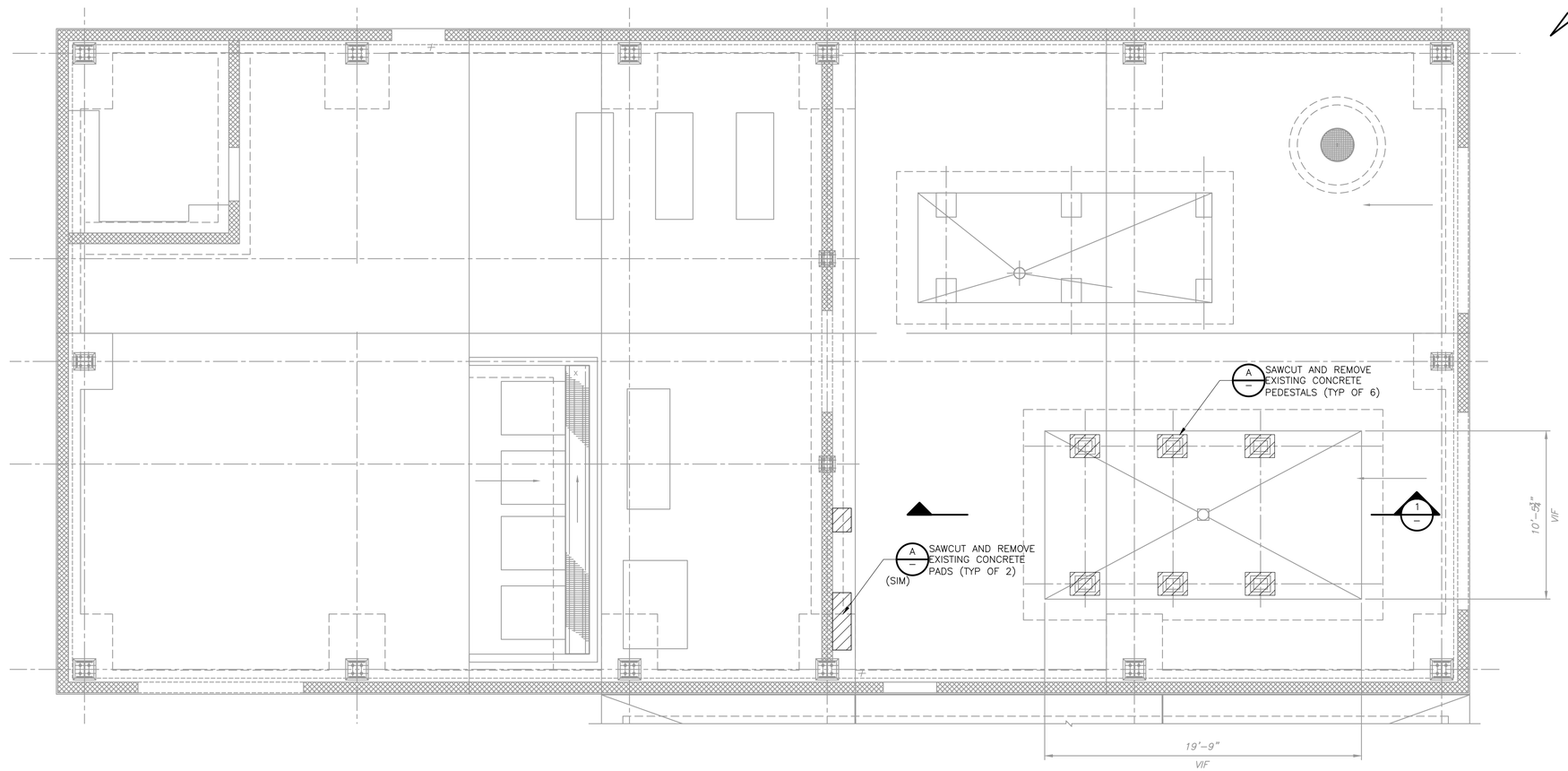
WITHLACOOCHEE WATER POLLUTION CONTROL PLANT

STRUCTURAL GENERAL NOTES

PROJECT NO. 20790-298446
FILE NAME: S001STNT.DWG

SHEET NO.
S-1

ISSUED FOR BID



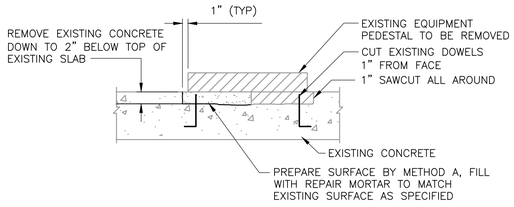
DEMOLITION

PLAN

1/4" = 1'-0"

NOTES:

1. SLANTED AND SCREENED TEXT INDICATES INFORMATION OR DIMENSIONS TAKEN FROM DRAWINGS PRODUCED BY PARSONS WATER & INFRASTRUCTURE, INC., TITLED "NEW WITHLACOOCHEE WATER POLLUTION CONTROL – PACKAGE 4" DATED MAY 2015. ALL EXISTING INFORMATION AND DIMENSIONS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO FABRICATION AND CONSTRUCTION.

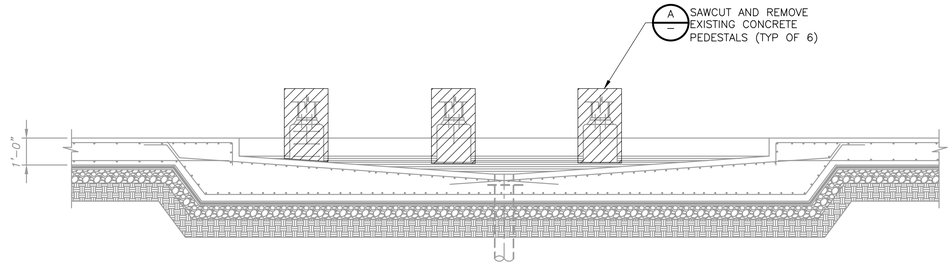


NOTE: REFER TO MODIFICATION TO CONCRETE SPECIFICATION 030130.71

EXISTING EQUIPMENT PAD REMOVAL

DETAIL A

NTS



SECTION 1

3/8" = 1'-0"

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: K. FRANCOFORTE
DRAWN BY: K. FRANCOFORTE
SHEET CHK'D BY: P. KALARIA
CROSS CHK'D BY: M. TRAPP
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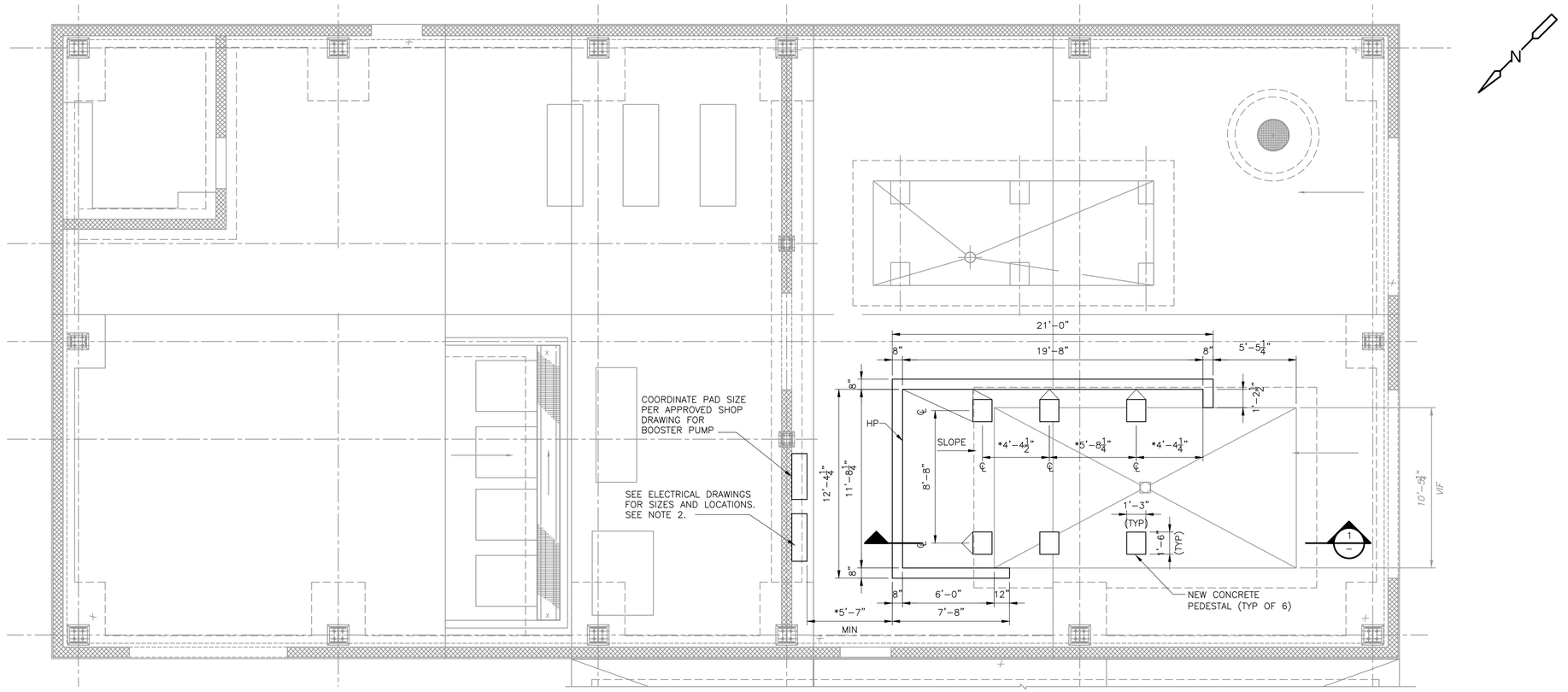
WITHLACOOCHEE WATER POLLUTION CONTROL PLANT

DEWATERING BUILDING
DEMOLITION PLAN, SECTIONS AND DETAILS

PROJECT NO. 20790-298446
FILE NAME: S002BFDM.DWG

SHEET NO.
S-2

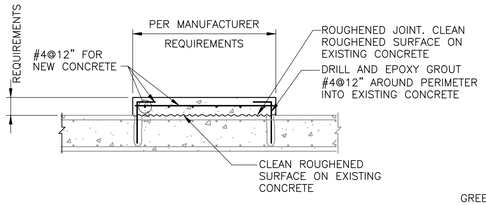
ISSUED FOR BID



NOTES:

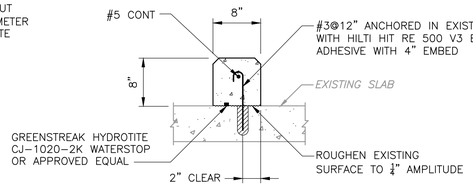
1. SLANTED AND SCREENED TEXT INDICATES INFORMATION OR DIMENSIONS TAKEN FROM DRAWINGS PRODUCED BY PARSONS WATER & INFRASTRUCTURE, INC., TITLED "NEW WITHLACOOCHEE WATER POLLUTION CONTROL – PACKAGE 4" DATED MAY 2015. ALL EXISTING INFORMATION AND DIMENSIONS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO FABRICATION AND CONSTRUCTION.
2. * INDICATES DIMENSIONS AND/OR INFORMATION TO BE COORDINATED BY THE CONTRACTOR WITH THE MANUFACTURER OF THE APPROVED EQUIPMENT PRIOR TO FABRICATION AND CONSTRUCTION.
3. HP = EL 197.67.

MODIFICATION PLAN
1/4" = 1'-0"

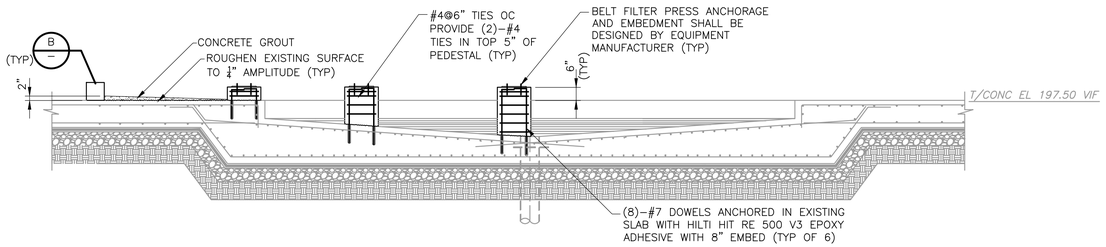


SEE SPECIFICATION SECTION 030130.71 FOR MODIFICATION AND REPAIR DETAILS

HOUSEKEEPING PAD FOR EXISTING SLAB
DETAIL A
NTS



CURB ON EXISTING SLAB
DETAIL B
NTS



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

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: K. FRANCOFORTE
DRAWN BY: K. FRANCOFORTE
SHEET CHK'D BY: P. KALARIA
CROSS CHK'D BY: M. TRAPP
APPROVED BY: J. BOGGS
DATE: SEPTEMBER 2025

CDM Smith
4651 Salsbury Road, Suite 420
Jacksonville, FL 32256
Tel: (904) 731-7109
GA COA No. PEF000106; EXP. DATE 06/30/2024

VALDOSTA A City Without Limits

CITY OF VALDOSTA, GA

WITHLACOOCHEE WATER POLLUTION CONTROL PLANT

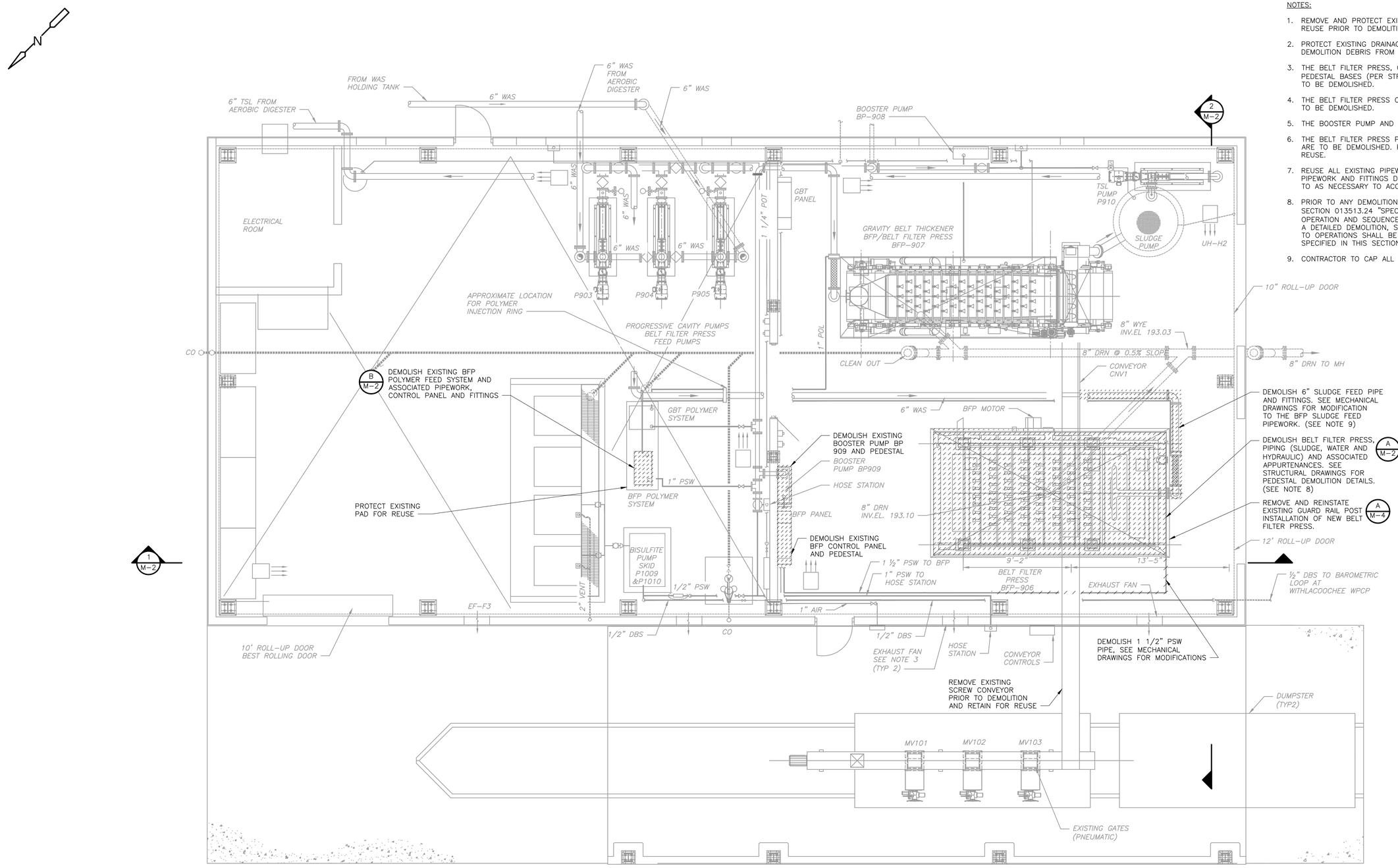
DEWATERING BUILDING
MODIFICATION PLAN, SECTIONS AND DETAILS

PROJECT NO. 20790-298446
FILE NAME: S003BFPL.DWG
SHEET NO. S-3

ISSUED FOR BID

NOTES:

1. REMOVE AND PROTECT EXISTING SCREW CONVEYOR NO. 1 AND 2 FOR REUSE PRIOR TO DEMOLITION.
2. PROTECT EXISTING DRAINAGE BASIN FOR REUSE. PLUG TO PREVENT DEMOLITION DEBRIS FROM ENTERING EXISTING DRAIN SYSTEM.
3. THE BELT FILTER PRESS, CONNECTING PIPE TO EXTENTS SHOWN, AND PEDESTAL BASES (PER STRUCTURAL DRAWINGS AND SPECIFICATIONS) ARE TO BE DEMOLISHED.
4. THE BELT FILTER PRESS CONTROL PANEL AND HOUSEKEEPING PAD ARE TO BE DEMOLISHED.
5. THE BOOSTER PUMP AND HOUSEKEEPING PAD ARE TO BE DEMOLISHED.
6. THE BELT FILTER PRESS POLYMER FEED SYSTEM AND CONTROL PANEL ARE TO BE DEMOLISHED. PROTECT THE EXISTING HOUSEKEEPING PAD FOR REUSE.
7. REUSE ALL EXISTING PIPEWORK AND FITTINGS WHERE POSSIBLE. ALL PIPEWORK AND FITTINGS DEMOLITION IS TO EXTENTS SHOWN OR LIMITED TO AS NECESSARY TO ACCOMMODATE OR CONNECT TO NEW EQUIPMENT.
8. PRIOR TO ANY DEMOLITION WORK, CONTRACTOR SHALL REFER TO SECTION 013513.24 "SPECIAL PROCEDURES FOR MAINTENANCE OF PLANT OPERATION AND SEQUENCE OF CONSTRUCTION" AND SUBMIT TO ENGINEER A DETAILED DEMOLITION, STARTUP, AND TESTING PLAN. ANY INTERRUPTION TO OPERATIONS SHALL BE SCHEDULED WITH ADVANCED NOTICE AS SPECIFIED IN THIS SECTION.
9. CONTRACTOR TO CAP ALL EXISTING ABANDONED CONDUITS AND PIPES.



PLAN
1/4" = 1'-0"

1/4" = 1'- 0"
2 1 0 2 4

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: A. MARATHE
DRAWN BY: A. MANIMARAN
SHEET CHK'D BY: H. KALE
CROSS CHK'D BY: A. MARATHE
APPROVED BY: I. POLEMATIDIS
DATE: SEPTEMBER 2025

CDM Smith
4651 Salsbury Road, Suite 420
Jacksonville, FL 32256
Tel: (904) 731-7109
GA COA No. PEF000106; EXP. DATE 06/30/2024

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CITY OF VALDOSTA, GA

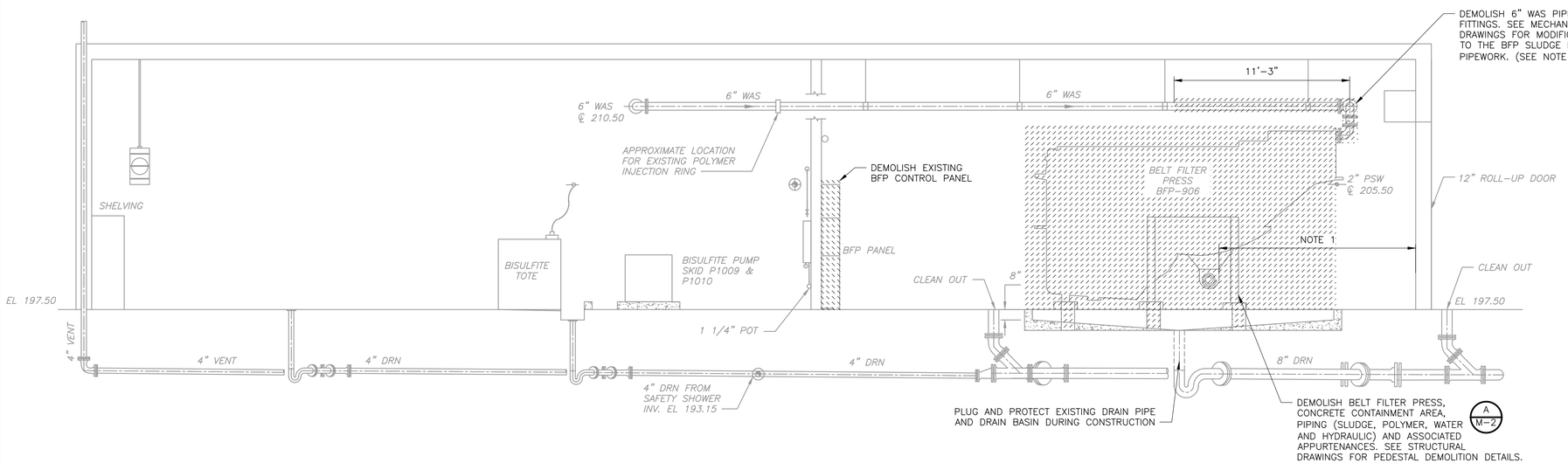
WITHLACOOCHEE WATER POLLUTION CONTROL PLANT

BELT FILTER PRESS DEMOLITION PLAN

PROJECT NO. 20790-298446
FILE NAME: M001BFDM.DWG

SHEET NO.
M-1

ISSUED FOR BID



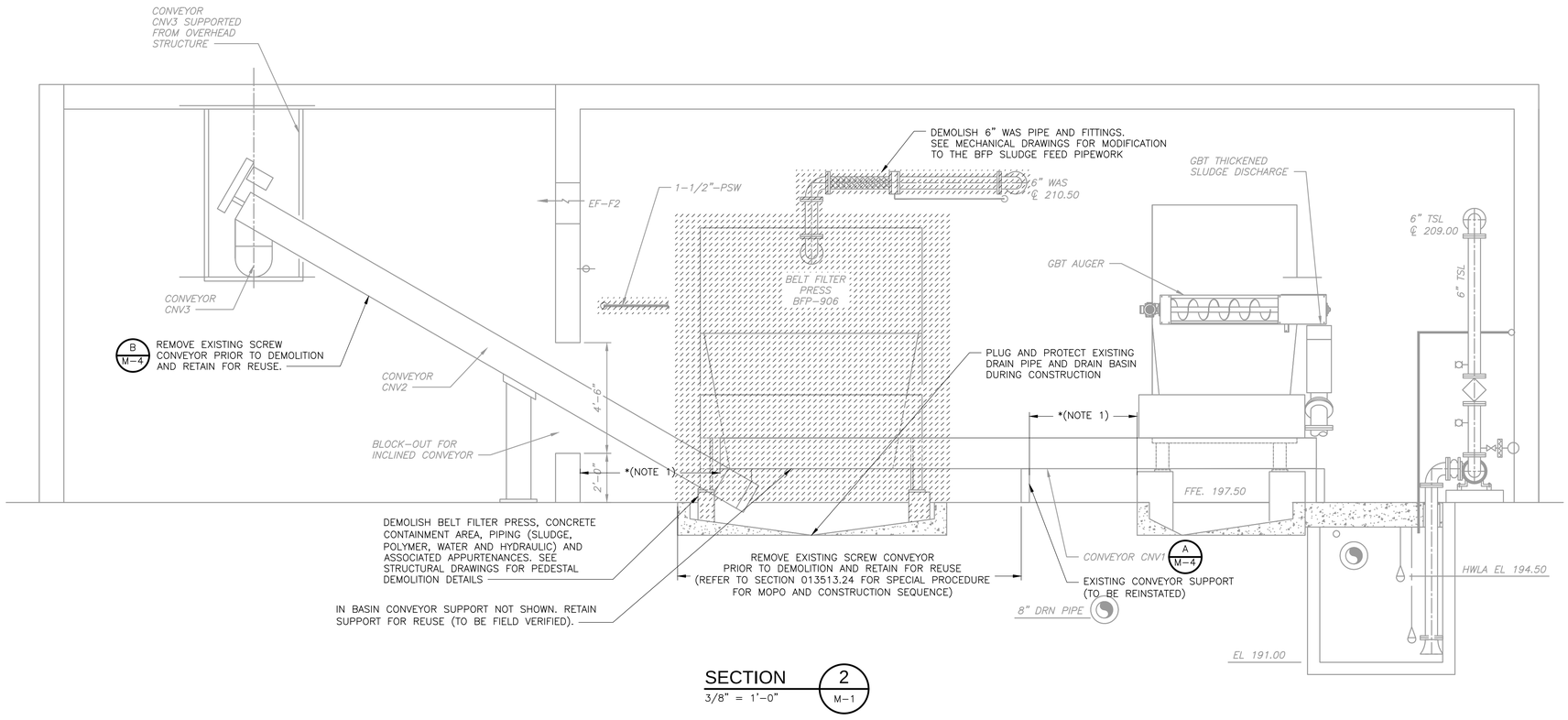
SECTION 1
1/4" = 1'-0" M-1

EXISTING BELT FILTER PRESS – TO BE DEMOLISHED

DETAIL A
NTS –

EXISTING POLYMER SKID – TO BE DEMOLISHED

DETAIL B
NTS –



SECTION 2
3/8" = 1'-0" M-1

NOTES:

1. FIELD VERIFY AND RECORD MEASUREMENT PRIOR TO CONVEYOR REMOVAL FOR PROPER REINSTALLATION AND ALIGNMENT OF CONVEYORS NO. 1 AND 2. PROTECT CONVEYOR STRUCTURAL SUPPORTS OR MARK FOR REINSTALLATION AFTER DEMOLITION/ CONSTRUCTION.
2. CONTRACTOR TO FIELD VERIFY EXTENT OF DEMOLITION TO ACCOMMODATE CONNECTION TO NEW BFP.

3/8" = 1'- 0"
2 0 2 4

1/4" = 1'- 0"
2 1 0 2 4

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: A. MARATHE
DRAWN BY: A. MANIMARAN
SHEET CHK'D BY: H. KALE
CROSS CHK'D BY: A. MARATHE
APPROVED BY: I. POLEMATIDIS
DATE: SEPTEMBER 2025

CDM Smith
4651 Salsbury Road, Suite 420
Jacksonville, FL 32256
Tel: (904) 731-7109
GA COA No. PEF000106; EXP. DATE 06/30/2024

VALDOSTA
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CITY OF VALDOSTA, GA

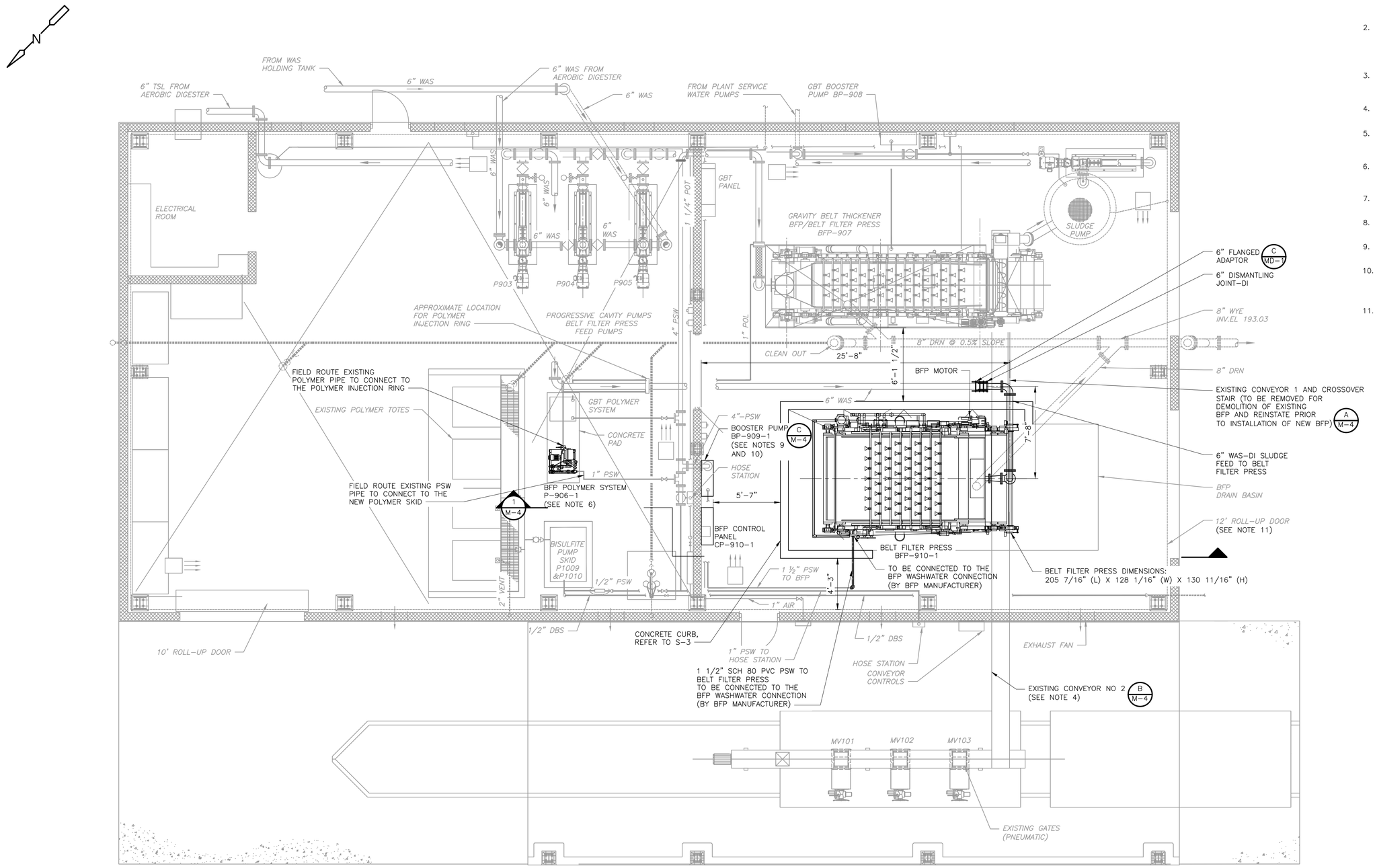
WITHLACOOCHEE WATER POLLUTION CONTROL PLANT

BELT FILTER PRESS DEMOLITION SECTIONS

PROJECT NO. 20790-298446
FILE NAME: M002BFDM.DWG

SHEET NO.
M-2

ISSUED FOR BID



PLAN
1/4" = 1'-0"

NOTES:

1. CONTRACTOR SHALL CLEAN AND FLUSH EXISTING FLOOR DRAIN SYSTEM SCHEDULED TO REMAIN. CONTRACTOR SHALL PROTECT AND PLUG EXISTING FLOOR DRAIN SYSTEM DURING CONSTRUCTION AND DEMOLITION ACTIVITIES.
2. NOT ALL PIPE SUPPORTS ARE SHOWN. WHERE STANDARD MECHANICAL PIPE SUPPORT DETAILS DO NOT APPLY AND STRUCTURAL DRAWINGS DO NOT ADDRESS, CONTRACTOR SHALL DESIGN PIPE SUPPORTS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
3. EXISTING SOLENOID VALVES FOR WASHWATER SHALL BE INCORPORATED INTO THE BELT FILTER PRESS AUTOMATIC START/STOP SEQUENCE. CONTRACTOR SHALL WIRE AND CONNECT.
4. REMOVE EXISTING SCREW CONVEYOR PRIOR TO DEMOLITION AND RETAIN FOR REUSE.
5. REFER TO 013513.24 "SPECIAL PROCEDURE FOR MOPO AND CONSTRUCTION SEQUENCE" FOR DETAILED CONSTRUCTION SEQUENCING.
6. CONTRACTOR TO CONNECT PROPOSED POLYMER SKID TO EXISTING POLYMER FEED PIPE. FIELD ROUTE PIPING AS NEEDED AND INCLUDE ALL NECESSARY FITTINGS FOR THE CONNECTION.
7. REFER TO SPECIFICATION SECTION 467621 FOR BELT FILTER PRESS DETAILS.
8. REFER TO SPECIFICATION SECTION 463333 FOR POLYMER SKID AND METERING PUMP DETAILS.
9. FIELD ROUTE SUCTION AND DISCHARGE PIPING TO THE NEW BOOSTER PUMP.
10. BOOSTER PUMP WILL BE A DELEGATED DESIGN PER SPECIFICATION SECTION 467621 FOR BELT FILTER PRESS. CONTRACTOR TO COORDINATE WITH APPROVED PUMP SHOP DRAWING TO PROVIDE HOUSE KEEPING PAD.
11. THE NEW BELT FILTER PRESS AND EXISTING BELT FILTER PRESS NEED TO PASS THROUGH 10' WIDE AND 12' HIGH ROLL UP DOOR. CONTRACTOR TO FIELD VERIFY DIMENSIONS. BELT FILTER PRESS PIPING AND ACCESSORIES SHALL BE REMOVABLE TO FACILITATE PASSING THROUGH THE ROLL UP DOOR.

1/4" = 1'- 0"
2 1 0 2 4

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: A. MARATHE
DRAWN BY: A. MANIMARAN
SHEET CHK'D BY: H. KALE
CROSS CHK'D BY: A. MARATHE
APPROVED BY: I. POLEMATIDIS
DATE: SEPTEMBER 2025

CDM Smith
4651 Salsbury Road, Suite 420
Jacksonville, FL 32256
Tel: (904) 731-7109
GA COA No. PEF000106; EXP. DATE 06/30/2024

VALDOSTA
A City Without Limits

CITY OF VALDOSTA, GA

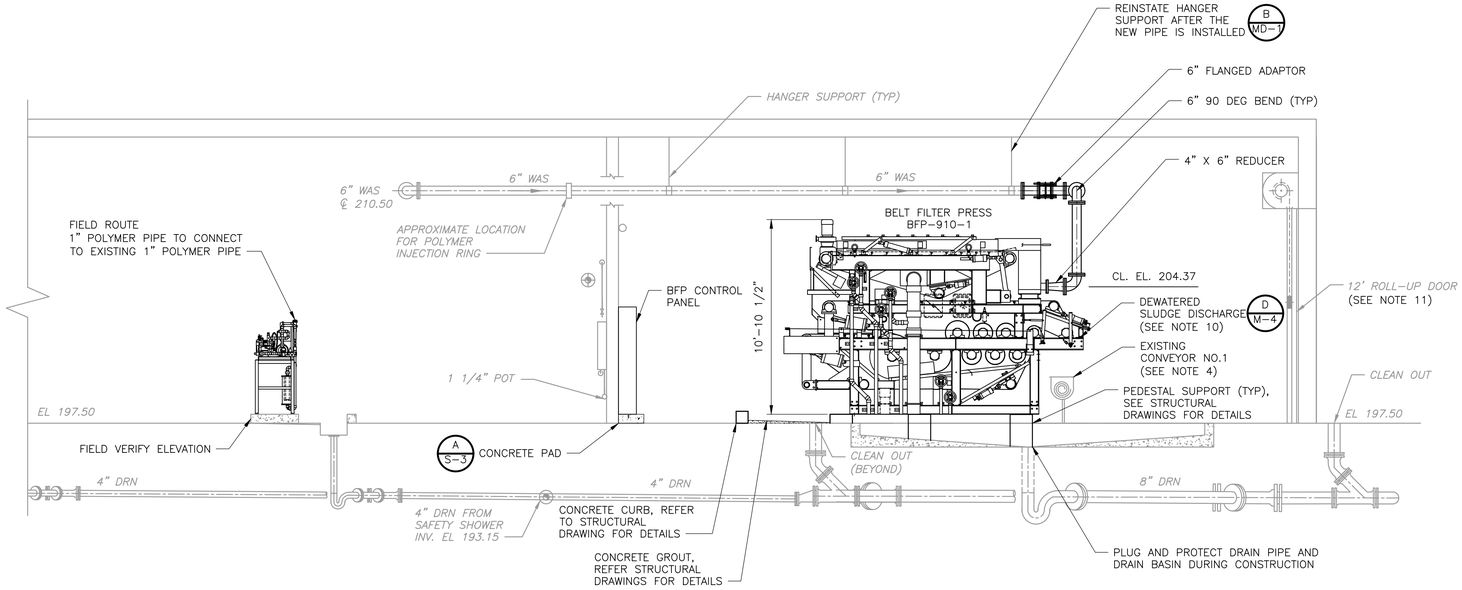
WITHLACOOCHEE WATER POLLUTION CONTROL PLANT

BELT FILTER PRESS MODIFICATION PLAN

PROJECT NO. 20790-298446
FILE NAME: M003BFPL.DWG

SHEET NO.
M-3

ISSUED FOR BID

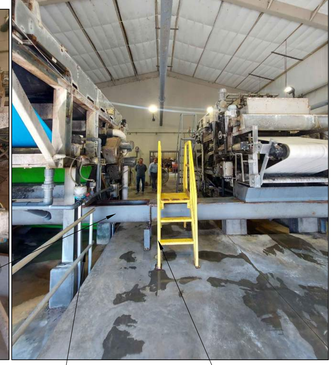


SECTION 1/M-3

1/4" = 1'-0"

NOTES:

1. CONTRACTOR SHALL CLEAN AND FLUSH EXISTING FLOOR DRAIN SYSTEM SCHEDULED TO REMAIN. CONTRACTOR SHALL PROTECT AND PLUG EXISTING FLOOR DRAIN SYSTEM DURING CONSTRUCTION AND DEMOLITION ACTIVITIES.
2. NOT ALL PIPE SUPPORTS ARE SHOWN. WHERE STANDARD MECHANICAL PIPE SUPPORT DETAILS DO NOT APPLY AND STRUCTURAL DRAWINGS DO NOT ADDRESS. CONTRACTOR SHALL DESIGN PIPE SUPPORTS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
3. EXISTING SOLENOID VALVE FOR WASHWATER SHALL BE INCORPORATED INTO THE BELT FILTER PRESS AUTOMATIC START/STOP SEQUENCE. CONTRACTOR SHALL WIRE AND CONNECT. REFER TO DRAWING I-3.
4. REMOVE EXISTING SCREW CONVEYOR PRIOR TO DEMOLITION AND RETAIN FOR REUSE.
5. REFER TO 013513.24 "SPECIAL PROCEDURE FOR MOPO AND CONSTRUCTION SEQUENCE" FOR DETAILED CONSTRUCTION SEQUENCING.
6. CONTRACTOR TO CONNECT PROPOSED POLYMER SKID TO EXISTING POLYMER FEED PIPE. FIELD ROUTE PIPING AS NEEDED AND INCLUDE ALL NECESSARY FITTINGS FOR THE CONNECTION.
7. REFER TO SECTION 467621 FOR BELT PRESS DETAILS
8. REFER TO SECTION 463333 FOR POLYMER SKID AND METERING PUMP DETAILS.
9. FIELD ROUTE NEW SCH 80 PVC SUCTION AND DISCHARGE PIPING AND VALVES TO THE NEW BOOSTER PUMP.
10. CONTRACTOR TO PROVIDE MIN 1/4 INCH THICK STAINLESS STEEL FABRICATED DEWATERED SLUDGE DISCHARGE CHUTE TO CONNECT TO THE EXISTING CONVEYOR NO 1. PROVIDE SHOP DRAWING FOR REVIEW.
11. THE NEW BELT FILTER PRESS AND EXISTING BELT FILTER PRESS NEED TO PASS THROUGH 10' WIDE AND 12' HIGH ROLL UP DOOR. CONTRACTOR TO FIELD VERIFY DIMENSIONS.



EXISTING CONVEYOR NO.1 AND CROSS OVER STAIR

DETAIL A – NTS

EXISTING CONVEYOR NO. 2

DETAIL B – NTS

EXISTING BOOSTER PUMP SUCTION AND DISCHARGE PIPE

DETAIL C – NTS

EXISTING DEWATERED SLUDGE DISCHARGE CONNECTION TO THE CONVEYOR

DETAIL D – NTS

1/4" = 1'- 0"

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: A. MARATHE
DRAWN BY: S. DALVI
SHEET CHK'D BY: H. KALE
CROSS CHK'D BY: A. MARATHE
APPROVED BY: I. POLEMATIDIS
DATE: SEPTEMBER 2025

CDM Smith
4651 Salsbury Road, Suite 420
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GA COA No. PEF000106; EXP. DATE 06/30/2024

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CITY OF VALDOSTA, GA

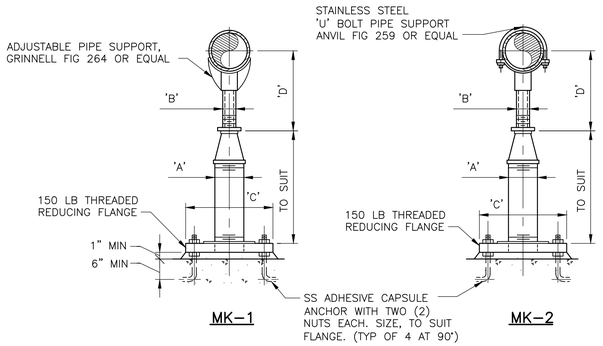
WITHLACOOCHEE WATER POLLUTION CONTROL PLANT

BELT FILTER PRESS MODIFICATION SECTION

PROJECT NO. 20790-298446
FILE NAME: M004BFSC.DWG

SHEET NO. M-4

ISSUED FOR BID

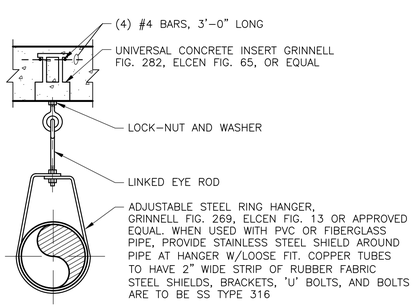


ADJUSTABLE PIPE SUPPORT APPROX DIMENSIONS IN INCHES					
PIPE SIZE	A	B	C	D MIN	D MAX
2 1/2	2 1/2	1 1/2	9	8	11 1/2
3	2 1/2	1 1/2	9	8 1/4	11 3/4
3 1/2	2 1/2	1 1/2	9	8 1/2	12
4	3	2 1/2	9	10 1/4	14
6	3	2 1/2	9	11 5/8	15 1/4
8	3	2 1/2	9	13 5/8	16 1/2
10	3	2 1/2	9	14 5/8	18 1/4
12	3	2 1/2	9	15 5/8	19 3/4
14	4	3	11	18 5/8	20 3/4
16	4	3	11	19 7/8	22 1/4
18	6	3 1/2	13 1/2	21 1/4	24
20	6	3 1/2	13 1/2	23 1/4	25 1/2
24	6	4	13 1/2	26 1/2	28 1/4
30	6	4	13 1/2	29 5/8	31 1/4
32	6	4	13 1/2	30 5/8	32 3/4
36	6	4	13 1/2	32 5/8	34 3/4

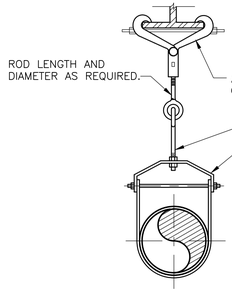
NOTES:

1. UNDER VALVES, METERS OR OTHER SPECIAL APPURTENANCES, A FABRICATED SUPPORT PIECE MAY BE UTILIZED AS ACCEPTABLE TO ENGINEER.
2. CONTRACTOR SHALL COAT/PAINT THE SUPPORT IMMEDIATELY AFTER INSTALLATION.

ADJUSTABLE PIPE SUPPORT
DETAIL A
NTS



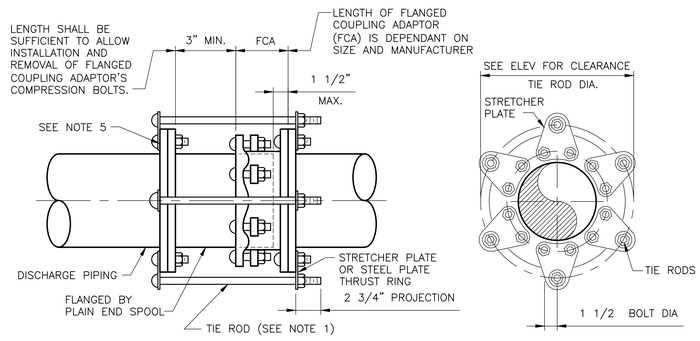
TYPE 'A'
FOR HANGER RODS
3/4" DIA AND SMALLER



TYPE 'B'
FOR HANGER RODS 7/8" DIA
AND LARGER

PIPE HANGER RODS & SUPPORT SPACING					
PIPE DIA (INCHES)	ROD DIA (INCHES)	MAX SUPPORT SPACING (FEET)		WEIGHT LIMIT (LBS)	
		STL PIPE	CI/DI PIPE	TYPE 'A'	TYPE 'B'
1 & SMALLER	3/8	5	MIN 1 HANGER PER PIPE LENGTH AND FITT MAX ADJACENT SPACING FEET. LOCATE HANGER CLOSE TO EACH CONNECTION	610	---
1 1/4 TO 2	3/8	5		610	---
2 1/2 TO 3 1/2	1/2	10		610	---
4 TO 5	5/8	10		610	---
6	3/4	10		610	---
8, 10, 12	7/8	10		610	---
14, 16	1	10		610	---

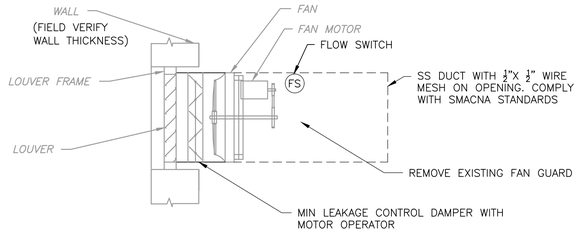
PIPE HANGER
DETAIL B
NTS



NOTES:

1. EVENLY SPACE INSTALLATION OF THE TIE RODS. LENGTH OF TIE RODS TO BE DETERMINED BY CONTRACTOR BASED ON SIZE AND FLANGED COUPLING ADAPTOR AND FINAL LENGTH OF SPOOL PIECE.
2. PROVIDE STRETCHER PLATE FOR ATTACHMENT OF TIE RODS.
3. MATERIALS – BOLTS: 316 STAINLESS STEEL. STRETCHER PLATE: ASTM A36 STEEL HOT DIP GALVANIZED. FLEXIBLE COUPLING: PER SPECIFICATIONS
4. WELD TO DEVELOP MIN. THE STRENGTH OF PIPE. REPAIR COATINGS AS REQUIRED.
5. WHERE CALLED OUT AND/OR SHOWN, PROVIDE HARNESS LUG.
6. WRAP ALL COUPLING BURIED BELOW GRADE IN PROTECTIVE TAPE.
7. AFTER ASSEMBLY, BACK OUT THE NUT ON ONE END OF THE THRUST ROD BY A FEW REVOLUTIONS TO ALLOW EXPANSION AND CONTRACTION.

FLANGE ADAPTOR
DETAIL C
NTS



NOTE:

1. PROVIDE FLUID COMPONENTS INTERNATIONAL MODEL FLT93B FLOW SWITCH, OR APPROVED EQUAL. INSTALL IN ACCORDANCE WITH MANUFACTURER INSTRUCTIONS.

FLOW SWITCH
DUCTED WALL FAN
DETAIL D
NTS

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: A. MARATHE
DRAWN BY: S. DALVI
SHEET CHK'D BY: H. KALE
CROSS CHK'D BY: A. MARATHE
APPROVED BY: I. POLEMATIDIS
DATE: SEPTEMBER 2025

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GA COA No. PEF000106; EXP. DATE 06/30/2024

CITY OF VALDOSTA, GA

WITHLACOOCHEE WATER POLLUTION CONTROL PLANT

MECHANICAL DETAILS

PROJECT NO. 20790-298446
FILE NAME: MZ001DT.DWG

SHEET NO.
MD-1

ISSUED FOR BID