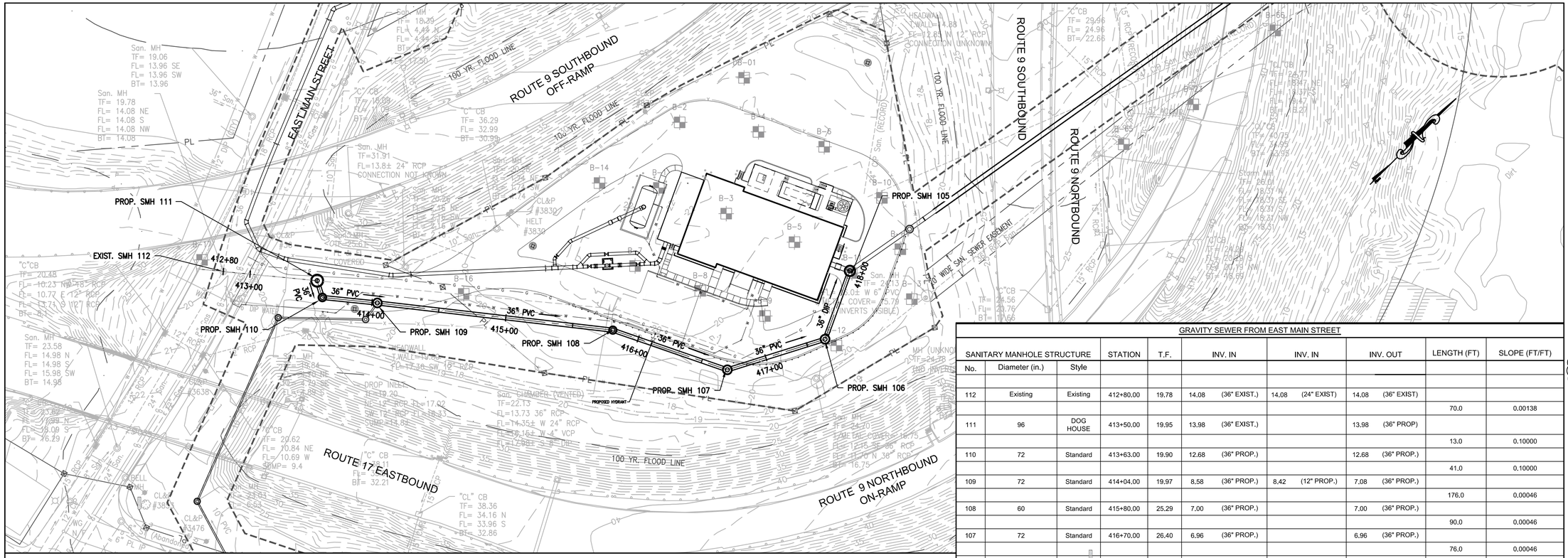

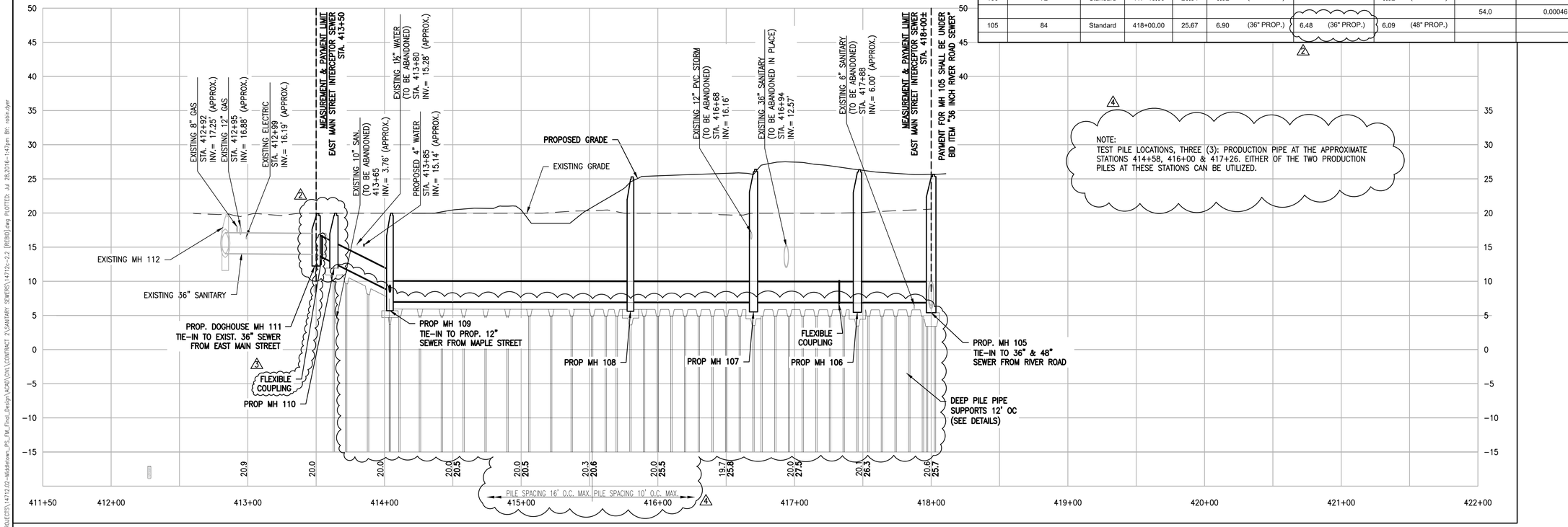

NOTE:
TEST PILE LOCATIONS, THREE (3): PRODUCTION PIPE AT THE APPROXIMATE STATIONS 414+58, 416+00 & 417+26. EITHER OF THE TWO PRODUCTION PILES AT THESE STATIONS CAN BE UTILIZED.

GRAVITY SEWER FROM EAST MAIN STREET

SANITARY MANHOLE STRUCTURE No.	Diameter (in.)	Style	STATION	T.F.	INV. IN	INV. IN	INV. OUT	LENGTH (FT)	SLOPE (FT/FT)
112	Existing	Existing	412+80.00	19.78	14.08 (36" EXIST.)	14.08 (24" EXIST)	14.08 (36" EXIST)		
								70.0	0.00138
111	96	DOG HOUSE	413+50.00	19.95	13.98 (36" EXIST.)		13.98 (36" PROP)		
								13.0	0.10000
110	72	Standard	413+63.00	19.90	12.68 (36" PROP.)		12.68 (36" PROP.)		
								41.0	0.10000
109	72	Standard	414+04.00	19.97	8.58 (36" PROP.)	8.42 (12" PROP.)	7.08 (36" PROP.)		
								176.0	0.00046
108	60	Standard	415+80.00	25.29	7.00 (36" PROP.)		7.00 (36" PROP.)		
								90.0	0.00046
107	72	Standard	416+70.00	26.40	6.96 (36" PROP.)		6.96 (36" PROP.)		
								76.0	0.00046
106	72	Standard	417+46.00	26.34	6.92 (36" PROP.)		6.92 (36" PROP.)		
								54.0	0.00046
105	84	Standard	418+00.00	25.67	6.90 (36" PROP.)	6.48 (36" PROP.)	6.09 (48" PROP.)		

HOR. SCALE IN FEET 0 40 80
VER. SCALE IN FEET 0 8 16

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REVISIONS

Number	Description	Date
1	ADDRESS DEEP REVIEW	5/6/2016
2	BID ADDENDUM 1	7/11/2016
3	BID ADDENDUM 2	7/19/2016
4	BID ADDENDUM 3	7/27/2016

FRANCIS T. PATNAUDE INTER-MUNICIPAL PUMPING STATION

MIDDLETOWN, CT

36" EAST MAIN STREET SEWER PLAN □ PROFILE

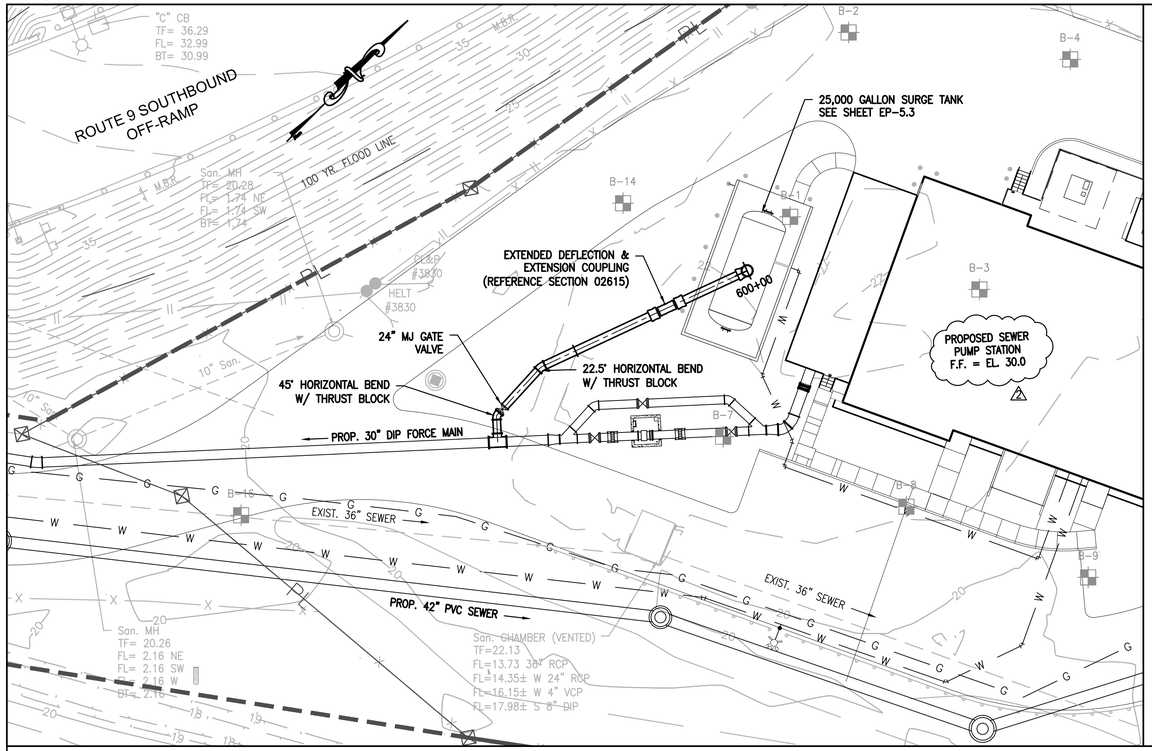
PROJECT NUMBER: 14712
DESIGNED BY: TJC
DRAWN BY: TJC
DATE: FEBRUARY 23, 2016

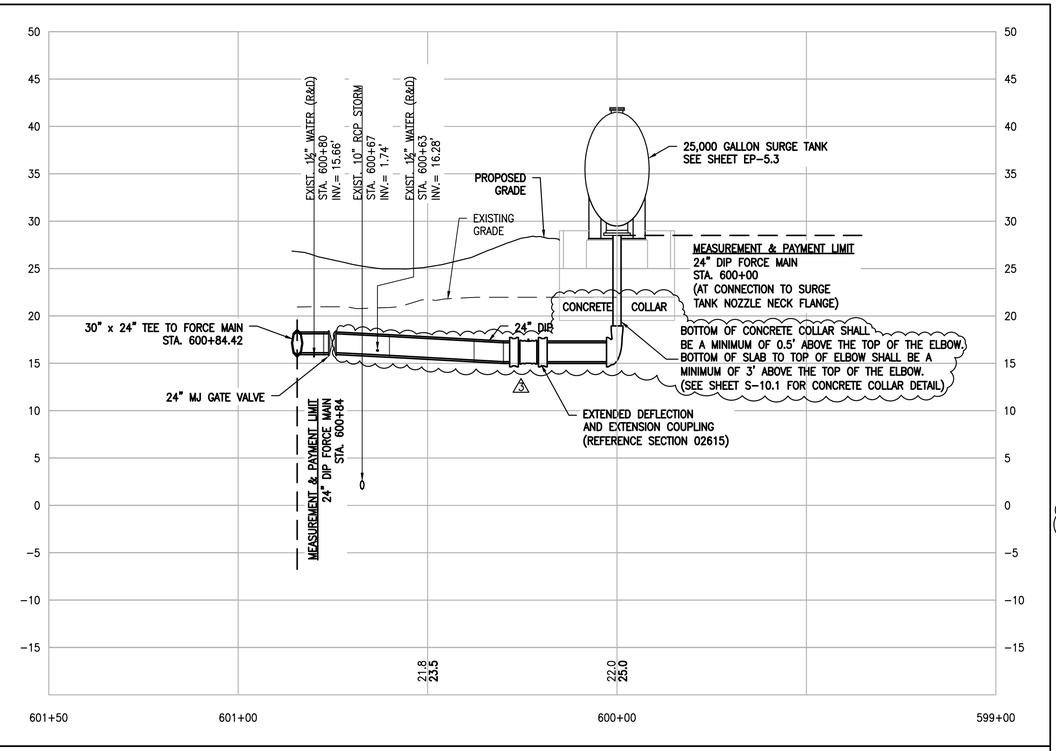
SHEET NUMBER:

C-2.2

SHEET 16 OF 155

DRAWING FILE: G:\PROJECTS\14712.02-Middletown_PS_FM_Prod_Design\ACAD\CIVIL\CONTRACT 2\SANITARY SEWERS\14712c-2.2 [REBID].dwg PLOTTED: Jul 28,2016-1:47pm BY: robin.dyer





HOR. SCALE IN FEET 0 20 40

VER. SCALE IN FEET 0 8 16

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REVISIONS

Number	Description	Date
1	ADDRESS DEEP REVIEW	5/6/2016
2	BID ADDENDUM 2	7/19/2016
3	BID ADDENDUM 3	7/28/2016

FRANCIS T. PATNAUDE INTER-MUNICIPAL PUMPING STATION

MIDDLETOWN, CT

24" SURGE TAN□ CONNECTION TO FORCE MAIN PLAN □ PROFILE

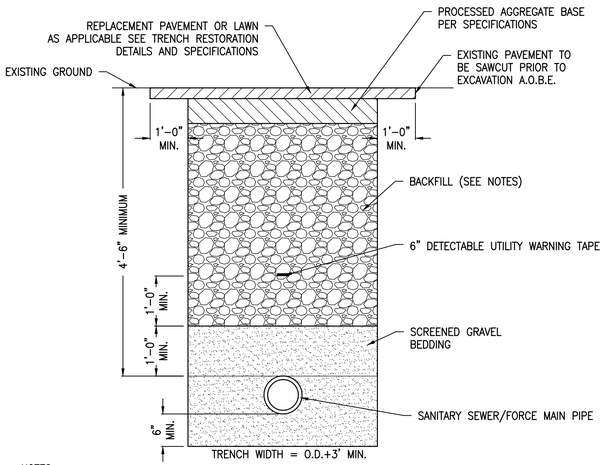
PROJECT NUMBER: 14712
DESIGNED BY: TJC
DRAWN BY: TJC
DATE: FEBRUARY 23, 2016

SHEET NUMBER:

C-2.5

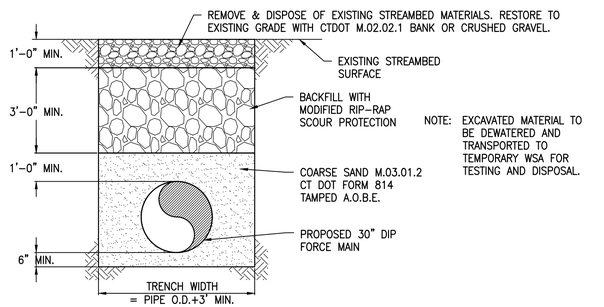
SHEET 19 OF 155

DRAWING FILE: C:\PROJECTS\14712.02-Middletown PS_FM_Final_Design\ACAD\CIVIL\CONTRACT 2\SANITARY SEWERS\14712c-2.5 (REBID).dwg PLOTTED: Jul 27,2016-5:55pm BY: robin.dyer

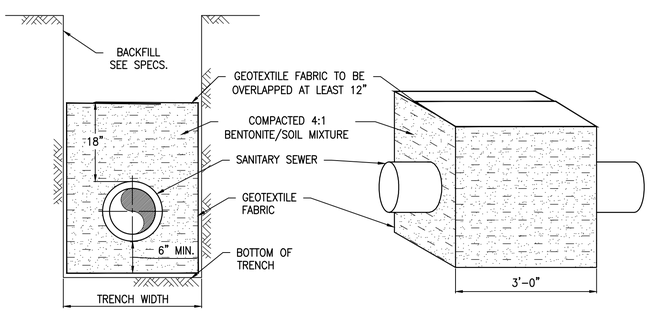


NOTES:
1. IN PAVED AREAS OR AREAS TO BE PAVED OR THE SHOULDER OF A PAVED ROADWAY, BACKFILL MATERIAL SHALL BE BANK-RUN GRAVEL M.02.06 GRADATION C, FORM 816, AS APPROVED BY THE ENGINEER. PROCESSED AGGREGATE CAN BE USED IN LIEU OF BANK-RUN GRAVEL. IN ALL OTHER AREAS, SUITABLE EXCAVATED MATERIAL MAY BE RE-USED IF APPROVED BY THE ENGINEER.
2. SCREENED GRAVEL BEDDING SHALL BE WRAPPED IN GEOTEXTILE FABRIC (12" MIN. OVERLAP)

1 / C-5.3 TYPICAL SANITARY SEWER/FORCE MAIN TRENCH CROSS-SECTION
N.T.S.

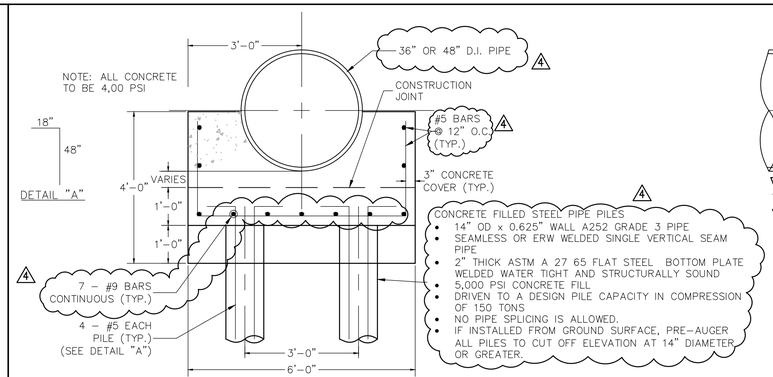


2 / C-5.3 FORCE MAIN TRENCH EXCAVATION FOR SUB-AQUEOUS CROSSINGS
N.T.S.

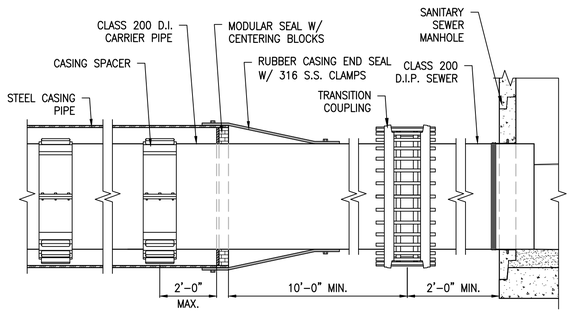


NOTE: PROVIDE TRENCH DAMS 33' ON-CENTER WHEREVER TRENCH GRADE IS 8% AND GREATER

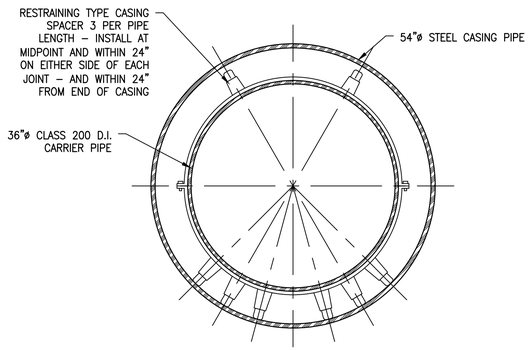
3 / C-5.3 TYPICAL TRENCH DAM
N.T.S.



5 / C-5.3 TYPICAL PILE SUPPORTED PIPES
N.T.S.

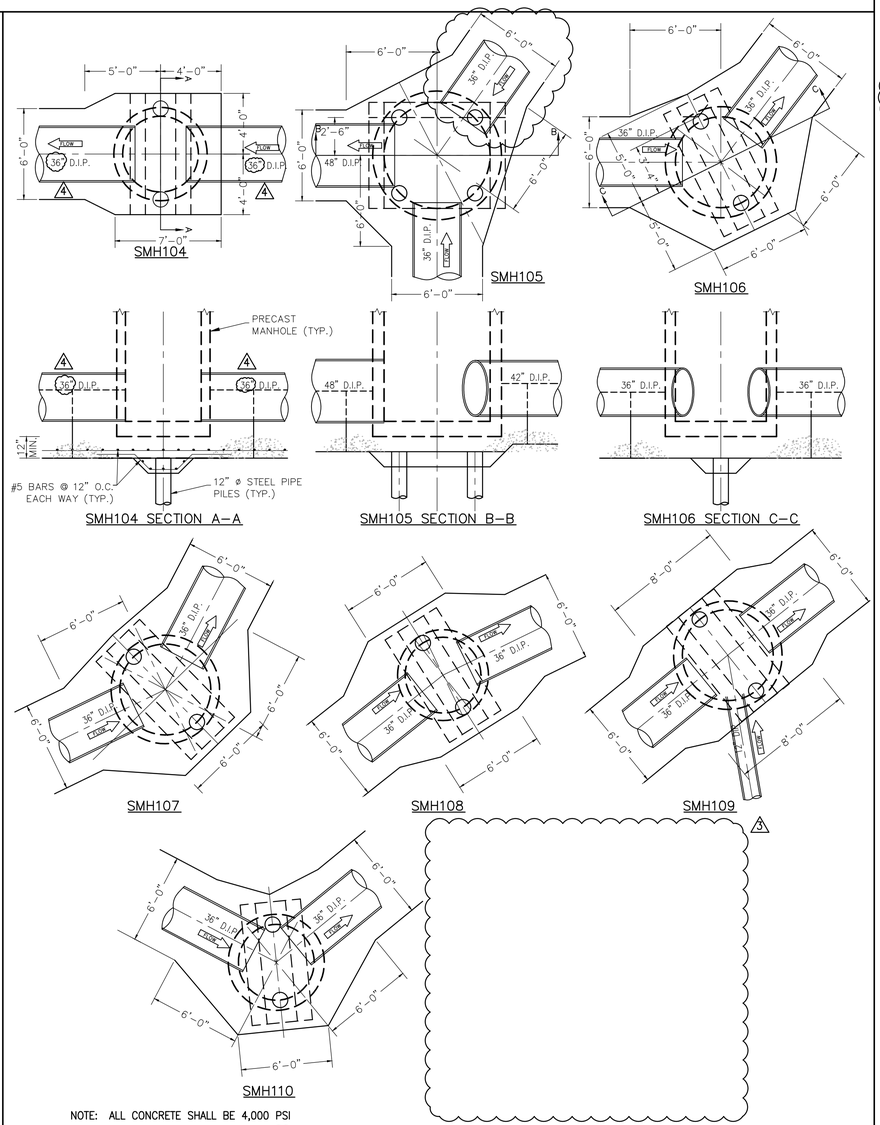


END SEAL □ SPACING



TYPICAL SECTION

4 / C-5.3 CASING PIPE DETAIL
N.T.S.



NOTE: ALL CONCRETE SHALL BE 4,000 PSI

6 / C-5.3 TYPICAL PILE SUPPORTED STRUCTURES
N.T.S.

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REVISIONS

Number	Description	Date
1	ADDRESS DEEP REVIEW	5/6/2016
2	BID ADDENDUM 1	7/11/2016
3	BID ADDENDUM 2	7/19/2016
4	BID ADDENDUM 3	7/27/2016

FRANCIS T. PATNAUDE INTER-MUNICIPAL PUMPING STATION

MIDDLETOWN, CT

SEWER □ FORCE MAIN DETAILS II

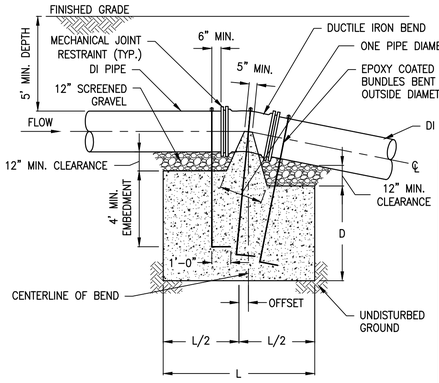
PROJECT NUMBER: 14712
DESIGNED BY: -
DRAWN BY: TJC
DATE: FEBRUARY 23, 2016

SHEET NUMBER:

C-5.3

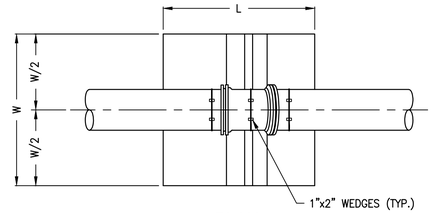
SHEET 22 OF 155

[DRAWING FILE: C:\PROJECTS\14712.02-Middletown_PS_FM_Final_Design\ACAD\CIVIL\CONTRACT 2\DETAILS\14712C-5.3 [BID].dwg PLOTTED: Jul 27,2016-3:37pm BY: robin.dyer



ELEVATION

PIPE BEND		PIPE SIZE 24"	PIPE SIZE 30"
11.25°	L	8'–0"	9'–0"
	W	8'–0"	9'–0"
	D	5'–0"	7'–0"
	OFFSET	0'–6"	0'–6"
	REBAR	2 BUNDLES OF 3–#5 BARS EACH PLUS 1 BUNDLE OF 2–#5 BARS	4 BUNDLES OF 3–#5 BARS EACH
22.5°	L	10'–0"	11'–0"
	W	10'–0"	11'–0"
	D	7'–6"	9'–0"
	OFFSET	1'–0"	1'–0"
	REBAR	2 BUNDLES OF 3–#5 BARS EACH PLUS 2 BUNDLES OF 2–#5 BARS EACH	4 BUNDLES OF 3–#5 BARS EACH

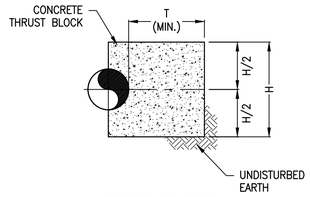


PLAN

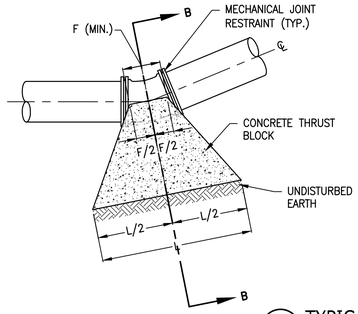
NOTES:

1. CONCRETE THRUST BLOCKING TO BE POURED AGAINST UNDISTURBED EARTH OR STRUCTURAL BACKFILL.
2. WHERE (4) REINFORCING BAR BUNDLES ARE USED, SYMMETRICALLY PLACE (2) BAR BUNDLES ON BEND AND OTHER (2) AS SHOWN.
3. CONCRETE STRENGTH fc'=3,000 PSI AT 28 DAYS

1 C-5.4 TYPICAL ANCHORAGE FOR VERTICAL DOWNWARD BENDS N.T.S.



SECTION B-B

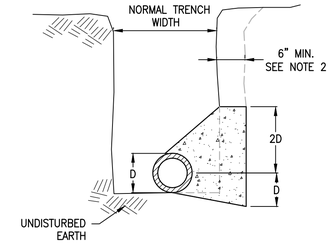


PLAN

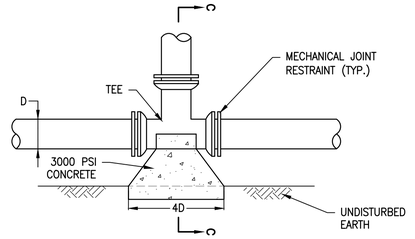
PIPE BEND		PIPE SIZE 24"	PIPE SIZE 30"
11.25°	L	5'–0"	6'–0"
	H	5'–0"	5'–0"
	F	2'–0"	2'–0"
	T	3'–0"	3'–0"
22.5°	L	8'–0"	9'–0"
	H	5'–0"	6'–0"
	F	2'–0"	2'–0"
	T	4'–0"	4'–0"
45°	L	12'–0"	12'–0"
	H	6'–0"	7'–0"
	F	2'–0"	2'–0"
	T	5'–0"	5'–0"

NOTES:

1. CONCRETE THRUST BLOCKING TO BE POURED AGAINST UNDISTURBED EARTH OR STRUCTURAL BACKFILL.
2. CONCRETE STRENGTH fc'=3,000 PSI AT 28 DAYS

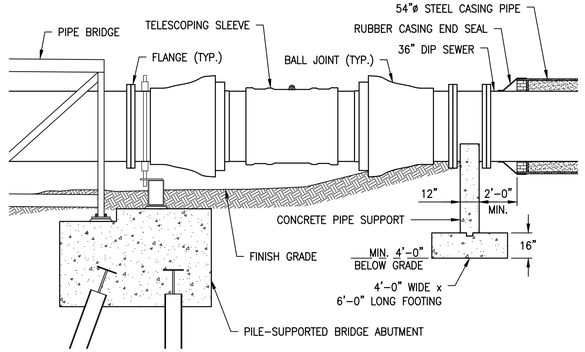


SECTION C-C



PLAN - TEE

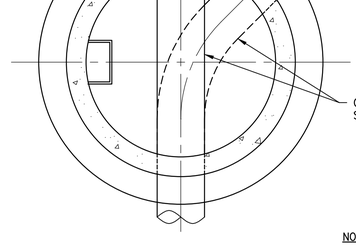
2 C-5.4 TYPICAL THRUST BLOCK FOR HORIZONTAL BENDS N.T.S.



NOTE: SEE STRUCTURAL DRAWINGS FOR PIPE BRIDGE, BRIDGE ABUTMENT, AND PIPE SUPPORT DETAILS.

EXTENDED DEFLECTION AND EXTENSION COUPLING DETAIL AT PIPE UTILITY BRIDGE

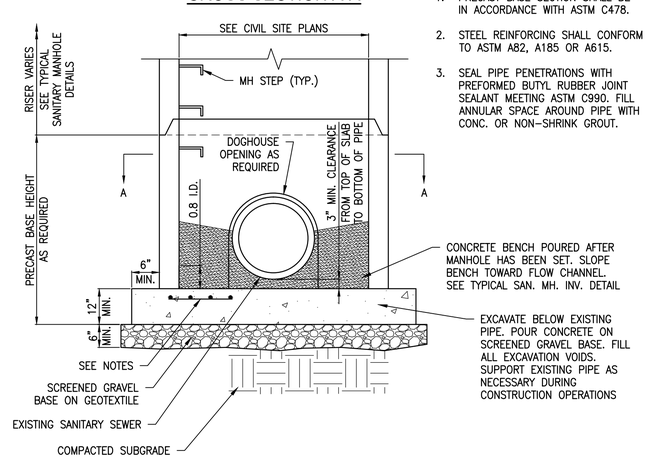
4 C-5.4 N.T.S



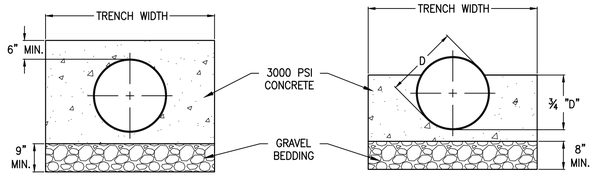
CROSS SECTION A-A

NOTES:

1. PRECAST BASE SECTION SHALL BE IN ACCORDANCE WITH ASTM C478.
2. STEEL REINFORCING SHALL CONFORM TO ASTM A82, A185 OR A615.
3. SEAL PIPE PENETRATIONS WITH PREFORMED BUTYL RUBBER JOINT SEALANT MEETING ASTM C990. FILL ANNULAR SPACE AROUND PIPE WITH CONC. OR NON–SHRINK GROUT.

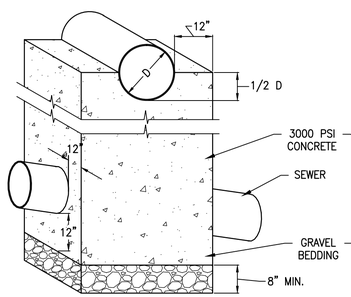


6 C-5.4 TYPICAL SANITARY PRECAST DOG HOUSE MANHOLE DETAIL N.T.S.

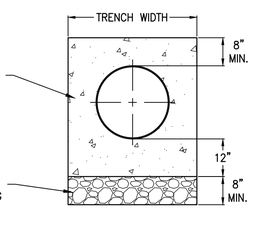


FULL CRADLE

HALF CRADLE



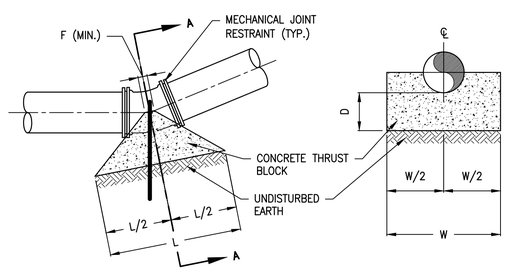
CROSSING PIPE CRADLE



PIPE ENCASEMENT

NOTES: CONCRETE SHALL BE MIN. 3000 PSI @ 28 DAYS. PROVIDE CONCRETE CRADLE WHERE PROPOSED SEWER CROSSES UNDER EXISTING UTILITY PIPELINES WITH LESS THAN 18" VERTICAL CLEARANCE

3 C-5.4 CONCRETE CRADLE AND ENCASEMENT DETAILS N.T.S.



ELEVATION SECTION A-A

PIPE BEND		PIPE SIZE 24"	PIPE SIZE 30"
11.25°	L	4'–0"	5'–0"
	W	4'–0"	5'–0"
	D	2'–0"	2'–0"
	F	0'–6"	0'–6"
22.5°	L	7'–0"	8'–0"
	W	6'–0"	6'–0"
	D	2'–0"	2'–0"
	F	0'–6"	0'–6"

NOTES:
1. CONCRETE THRUST BLOCKING TO BE POURED AGAINST UNDISTURBED EARTH OR STRUCTURAL BACKFILL.
2. CONCRETE STRENGTH fc'=3,000 PSI AT 28 DAYS

5 C-5.4 TYPICAL THRUST BLOCK FOR VERTICAL UPWARD BENDS N.T.S.

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REVISIONS

Number	Description	Date
1	ADDRESS DEEP REVIEW	5/6/2016
2	BID ADDENDUM 3	7/28/2016

FRANCIS T. PATNAUDE INTER-MUNICIPAL PUMPING STATION

MIDDLETOWN, CT

SEWER ☐ FORCE MAIN DETAILS III

PROJECT NUMBER: 14712
DESIGNED BY: -
DRAWN BY: TJC
DATE: FEBRUARY 23, 2016

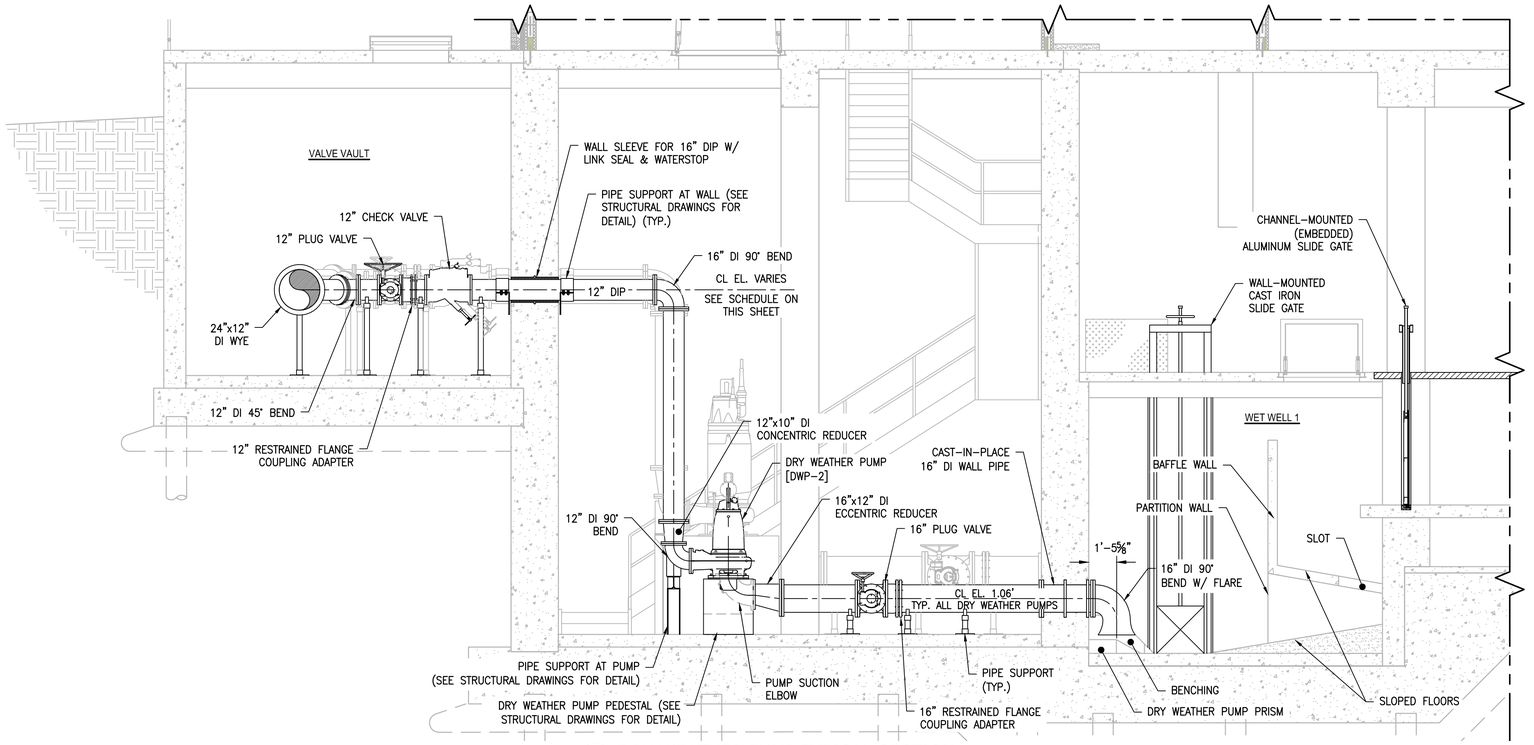
SHEET NUMBER:

C-5.4

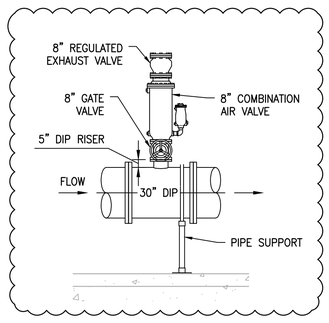
SHEET 23 OF 155

DRAWING FILE: G:\PROJECTS\14712.02-Middletown_IPS_EM_Final_Design\VCAD\CIVIL\CONTRACT 2\DETAILS\14712C-5.4 [Bill].dwg PLOTTED: Jul 27,2016–3:03pm BY: robin.dyer

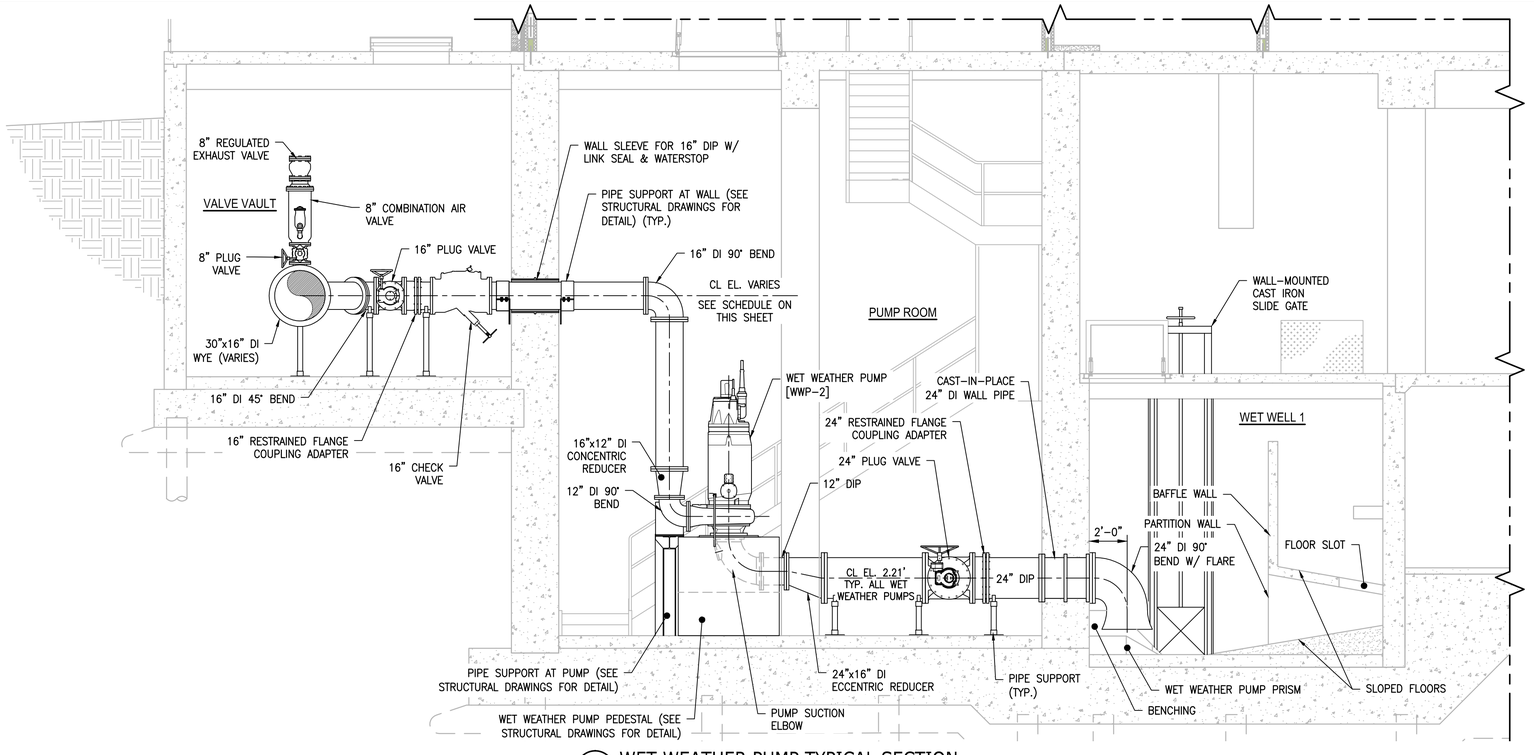
PUMP DISCHARGE PIPE ELEVATIONS	
ID	CL ELEVATION
WWP–1	17.11'
WWP–2	17.11'
DWP–1	17.37'
DWP–2	17.37'
WWP–3	17.37'
WWP–4	17.72'



1 DRY WEATHER PUMP TYPICAL SECTION
Scale: 1/4" = 1'-0"



AIR RELEASE VALVE
Scale: 1/4" = 1'-0"



2 WET WEATHER PUMP TYPICAL SECTION
Scale: 1/4" = 1'-0"

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REVISIONS

Number	Description	Date
1	ADDRESS DEEP REVIEW	5/6/2016
2	BID ADDENDUM 2	7/1 /2016

FRANCIS T. PATNAUDE INTER-MUNICIPAL PUMPING STATION

MIDDLETOWN, CT

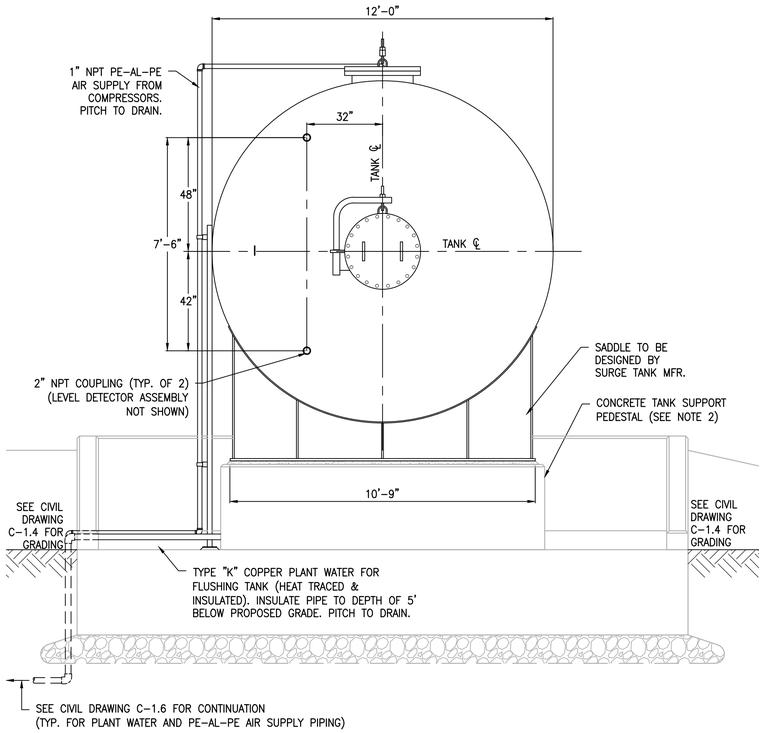
PROCESS E□UIPMENT AND PIPING SECTIONS II

PROJECT NUMBER: 14712
DESIGNED BY: TJC
DRAWN BY: TJC
DATE: FEBRUARY 23, 2016

SHEET NUMBER:

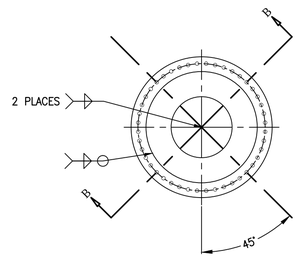
EP-3.2

DRAWING FILE: C:\Users\TConn\Desktop\Middletown\WATER\PROCESS DRAWINGS\Revised\14712.02rev-3.2 [REBID].dwg PLOTTED: Jul 28,2016-8:58am BY: Tom.Conn



NORTH ELEVATION

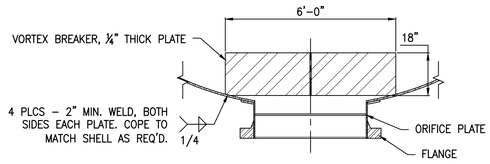
N.T.S.



NOTE: ROTATE VORTEX BREAKER 45° TO NORMAL ℄ OF CYLINDRICAL VESSELS SUCH THAT FOUR ENDS CONTACT SHELL.

VIEW A-A

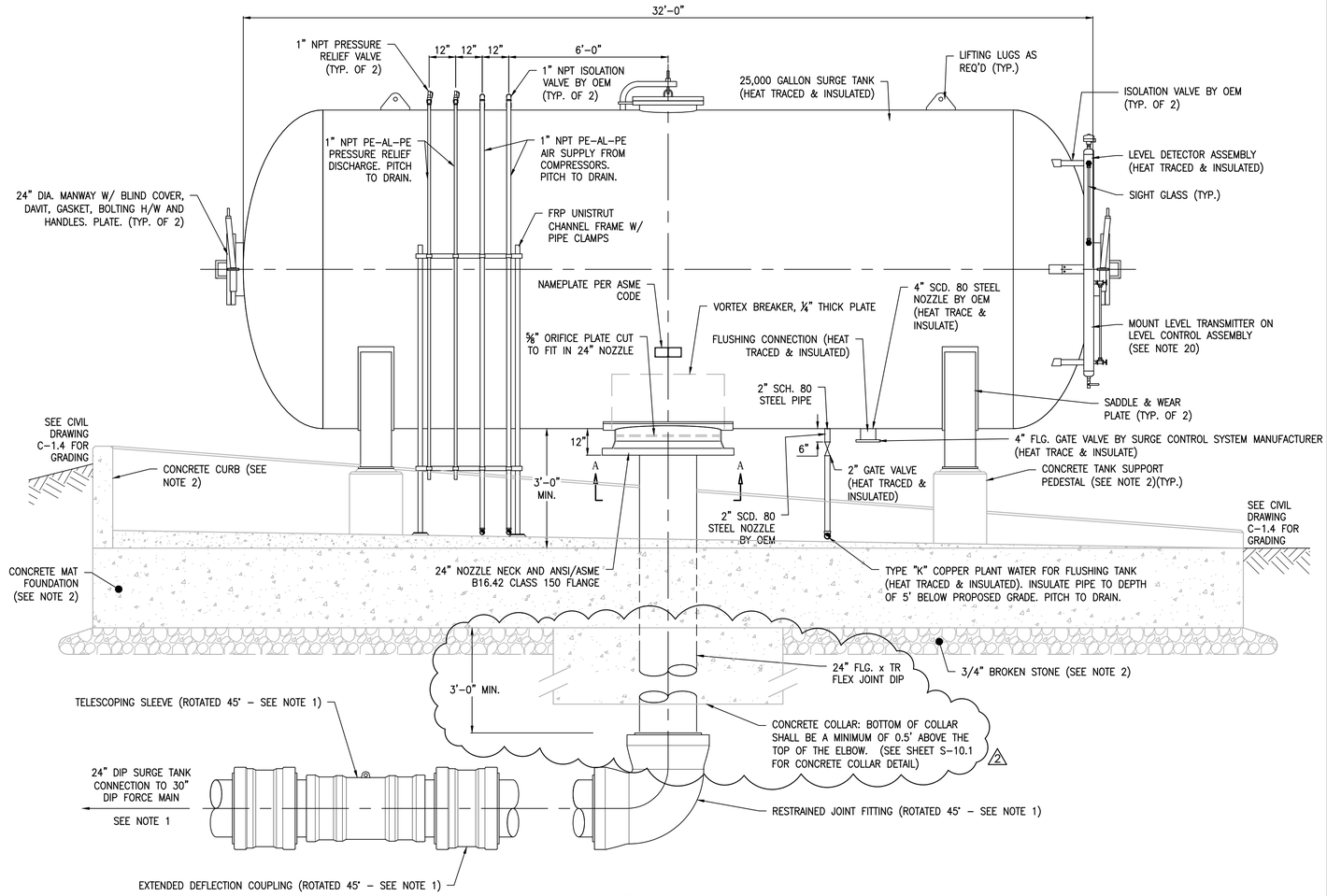
N.T.S.



VIEW B-B

N.T.S.

VORTE□ BREA□ER AND ORIFICE DETAIL



EAST ELEVATION

N.T.S.

NOTES:

1. REFER TO CIVIL DRAWING C-2.5 FOR 24" DIP SURGE TANK CONNECTION TO 30" DIP FORCE MAIN PLAN & PROFILE.
2. REFER TO STRUCTURAL DRAWING S-10.1 FOR CONSTRUCTION PLAN AND DETAILS OF CONCRETE MAT FOUNDATION, CURB, AND TANK SUPPORT PEDESTALS.
3. ANCHOR SURGE TANK WITH 1¼" DIA. THREADED TYPE 304 S.S. ANCHOR BOLTS. ANCHOR BOLT MATERIALS PER PROJECT SPECIFICATIONS. ANCHOR BOLTS TO BE FURNISHED BY CONTRACTOR.
4. SEISMIC REQUIREMENTS PER STRUCTURAL DRAWINGS.
5. MANWAY BOLTING HARDWARE TO BE TYPE 316 STAINLESS STEEL.
6. PROVIDE BLIND FLANGE, GASKET, AND HARDWARE.
7. ALL INTERNAL WETTED SURFACES OF THE NOZZLE SHALL BE COATED PER SPECIFICATION 099600 – HIGH PERFORMANCE COATINGS.
8. FLANGE BOLT HOLES TO STRADDLE TANK CENTERLINES.
9. REFER TO SECTION 02615 FOR DEFLECTION AND EXPANSION JOINTS. VERTICAL PIPE JOINT SHALL BE FULLY EXTENDED.
10. COLORS TO BE SELECTED FROM PAINT MFR.'S COLOR GUIDE. REFER TO SECTION 099600 FOR COATINGS AND SURFACE PREPARATION. APPLY COATING IN ACCORDANCE WITH PAINT MFR.'S INSTRUCTIONS.
11. REFER TO SECTION 13965 FOR SCOPE OF SURGE TANK AND APPURTENANCES.
12. FABRICATOR IS RESPONSIBLE FOR MATERIAL SELECTION AND THICKNESS TO MEET THE REQUIREMENTS OF CODE; SADDLES TO MEET SPECIFIC LOCAL SUPPORTS REQUIREMENTS.
13. VESSEL SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASME BOILER & PRESSURE VESSEL CODE, SECTION VIII DIV. 1, LATEST EDITION, "U" STAMP REQUIRED.
14. VESSEL FLOODED WEIGHT: 273,000 LBS. (EST.); OPERATING WEIGHT (60% WATER, 40% AIR): 190,000 LBS.
15. VESSEL SHIPPING WEIGHT: 64,000 LBS. (EST.)
16. HYDROSTATIC TEST PRESSURE: 195 PSIG.
17. MAWP: 100 PSIG. TANK NOM CAPACITY: 25,000 USG (3343 CU. FT.).
18. DESIGN TEMPERATURE: 120°F, 0°F MINIMUM.
19. CORROSION ALLOWANCE: 0.0 IN.
20. MOUNT LEVEL TRANSMITTER IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AT BASE OF LEVEL DETECTOR ASSEMBLY. MOUNTING HARDWARE SHALL BE 316 S.S.
21. SURGE TANK, DISCHARGE PIPING, PLANT FLUSH WATER, LEVEL DETECTOR ASSEMBLY SHALL BE INSULATED AND HEAT TRACED AS SPECIFIED IN SECTION 13965. INSULATION NOT SHOWN FOR CLARITY. CONTRACTOR TO COORDINATE ALL FITTINGS AND APPURTENANCES TO PENETRATE INSULATION TO ALLOW UNIMPEDED VISIBILITY, OPERATION, AND MAINTENANCE.

25,000 GALLON SURGE TANK DETAIL

N.T.S.

CDR MAGUIRE
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REVISIONS

Number	Description	Date
1	ADDRESS DEEP REVIEW	5/6/2016
2	BID ADDENDUM 3	7/28/2016

FRANCIS T. PATNAUDE INTER-MUNICIPAL PUMPING STATION

MIDDLETOWN, CT

SURGE TAN□ DETAIL

PROJECT NUMBER: 14712
DESIGNED BY: TJC
DRAWN BY: TJC
DATE: FEBRUARY 23, 2016

SHEET NUMBER:

EP-5.3

SHEET 115 OF 155

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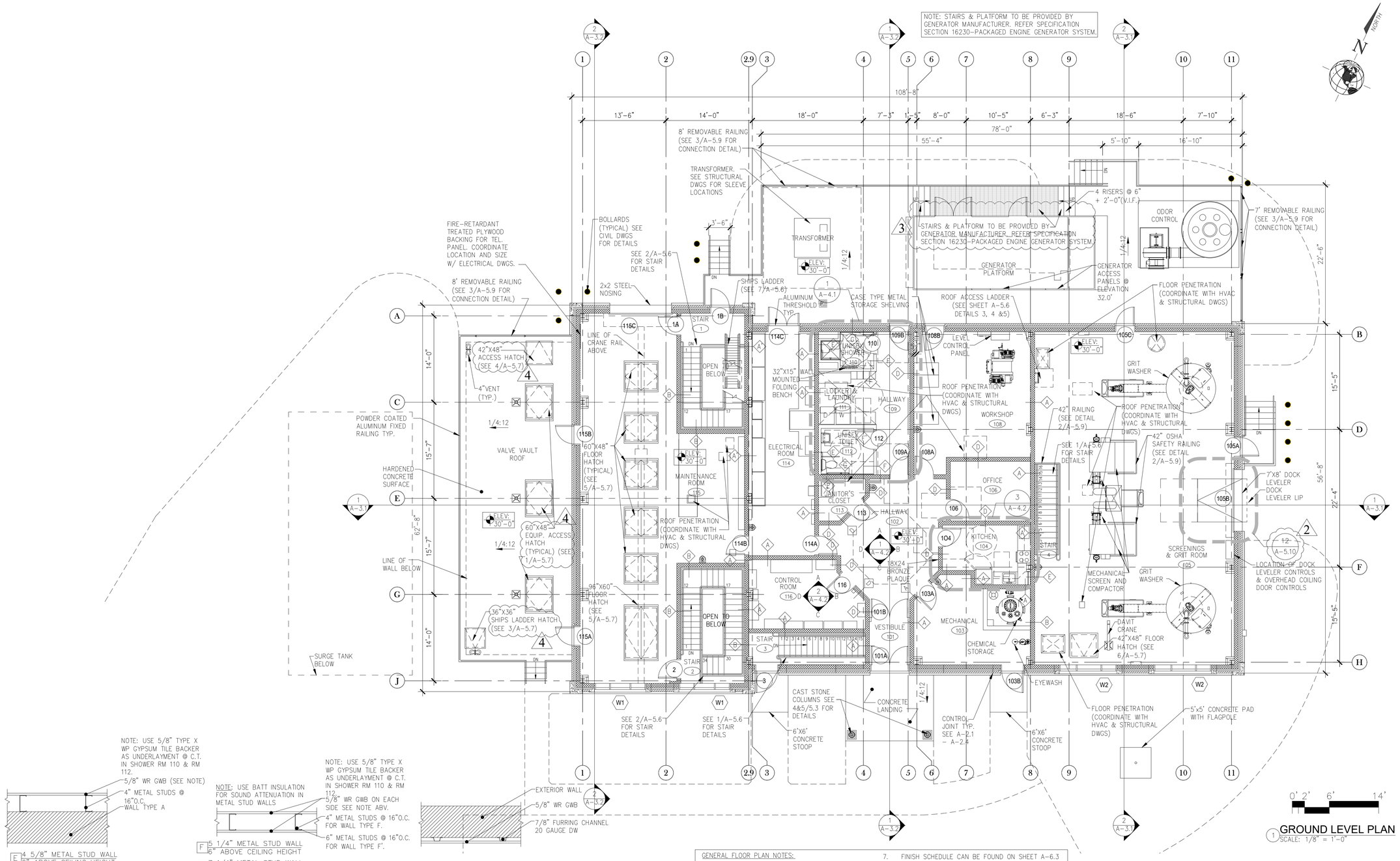

NOTE: USE 5/8" TYPE X WP GYPSUM TILE BACKER AS UNDERLAYMENT @ C.T. IN SHOWER RM 110 & RM 112.

5/8" WR GWB (SEE NOTE)
4" METAL STUDS @ 16"O.C.
WALL TYPE A

E 4 5/8" METAL STUD WALL
6" ABOVE CEILING HEIGHT

NOTE: USE BATT INSULATION FOR SOUND ATTENUATION IN METAL STUD WALLS

NOTE: USE 5/8" TYPE X WP GYPSUM TILE BACKER AS UNDERLAYMENT @ C.T. IN SHOWER RM 110 & RM 112.

5/8" WR GWB ON EACH SIDE SEE NOTE ABV.
4" METAL STUDS @ 16"O.C. FOR WALL TYPE F.
6" METAL STUDS @ 16"O.C. FOR WALL TYPE F'.

F 5 1/4" METAL STUD WALL
6" ABOVE CEILING HEIGHT

F' 7 1/4" METAL STUD WALL
6" ABOVE CEILING HEIGHT

EXTERIOR WALL
5/8" WR GWB
7/8" FURRING CHANNEL 20 GAUGE DW

G FURRING WALL AT SHOWER ROOM #110
6" ABOVE CEILING HEIGHT

8" NOM. STRUCTURAL MASONRY WALL
ALL EXPOSED MASONRY GROUT JOINTS SHALL BE TOOLED CONCAVE

A 3 HOUR FIRE SEPARATION WALL UL# U907
UPTO BOTTOM OF DECK

A' 2 HOUR FIRE SEPARATION WALL UL# U906
UPTO BOTTOM OF DECK

8" NOM. STRUCTURAL MASONRY WALL
ALL EXPOSED MASONRY GROUT JOINTS SHALL BE TOOLED CONCAVE

B 1 HOUR FIRE SEPARATION WALL
UPTO BOTTOM OF DECK

C NOT USED

8" NOM. STRUCTURAL MASONRY WALL
ALL EXPOSED MASONRY GROUT JOINTS SHALL BE TOOLED CONCAVE

D 8" CMU BLOCK WALL
1 FULL COURSE ABOVE CEILING HEIGHT

2 WALL TYPES
SCALE: NTS

GENERAL FLOOR PLAN NOTES:

1. ANY NOTES, KEYS, TAGS THAT SPECIFY ONE SOLE PRODUCT/MANUFACTURER SHALL BE CONSIDERED THE BASIS OF DESIGN AND SIMILAR PRODUCTS CAN BE SUBMITTED FOR APPROVAL AS SIMILAR OR EQUAL UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS ARE SHOWN TO THE FACE OF MASONRY/STUD.
3. WALL TYPE SCHEDULE CAN BE FOUND ON SHEET A-1.1
4. ABBREVIATIONS CAN BE FOUND ON SHEET A-00.2
5. SECTIONS CAN BE FOUND ON A-3.1 – A-3.3 AND DETAILS ON A-5.1 – A-5.10
6. INTERIOR ELEVATIONS CAN BE FOUND ON SHEETS A-4.1 – A-4.2
7. FINISH SCHEDULE CAN BE FOUND ON SHEET A-6.3 DOOR AND WINDOW SCHEDULE AND DETAILS CAN BE FOUND ON SHEETS A-6.1 & A-6.2.
8. COORDINATE ALL WALL, FLOOR, AND ROOF FRAMING/OPENINGS WITH PLUMBING, HVAC, ELECTRICAL, AND STRUCTURAL DRAWINGS
9. COORDINATE BLOCKING INSTALLATIONS FOR BATHROOMS AND OTHER AREAS WHERE HANDRAILS AND OR CASE WORK WOULD BE ATTACHED TO WALLS.
10. ALL BATHROOMS, LAUNDRY ROOM, AND JANITOR'S CLOSET SHALL BE OUTFITTED WITH 5/8" WR GWB.
11. SEE MECHANICAL PROCESS DRAWINGS FOR ALL FINAL PROCESS EQUIPMENT & PIPING LOCATIONS.
12. CONTRACTORS TO COORDINATE ALL CONCRETE SLEEVE LOCATIONS WITH ALL TRADES.

SEE SHEET A-1.12 FOR FULLY DIMENSIONED FLOOR PLAN

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REVISIONS

Number	Description	Date
1	ADDRESS DEEP REVIEW	5/6/2016
2	BID ADDENDUM-1	7/11/2016
3	BID ADDENDUM-2	7/19/2016
4	BID ADDENDUM-3	7/28/2016

FRANCIS T. PATNAUDE INTER-MUNICIPAL PUMPING STATION

MIDDLETOWN, CT

GROUND LEVEL ARCHITECTURAL PLAN

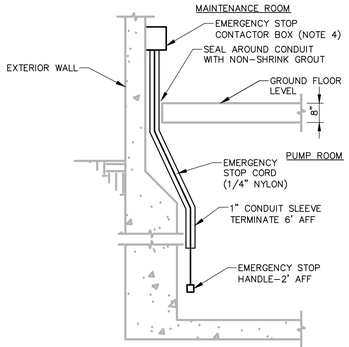
PROJECT NUMBER: 14712
DESIGNED BY: PSP
DRAWN BY: LRE
DATE: FEBRUARY 23, 2016

SHEET NUMBER:

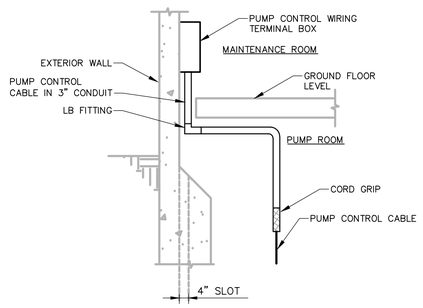
A-1.1

SHEET 42 OF 155

DRAWING FILE: L:\A13005 Middletown Pump Station\Contract Documents\A-1.1 (Ground Plan) (MG).dwg PLOTTED: Jul 25,2016-4:17pm BY: Saltzwer



PUMP EMERGENCY STOP DETAIL (TYPICAL)
NO SCALE



PUMP CONTROL WIRING TERMINAL BOX DETAIL (TYPICAL)
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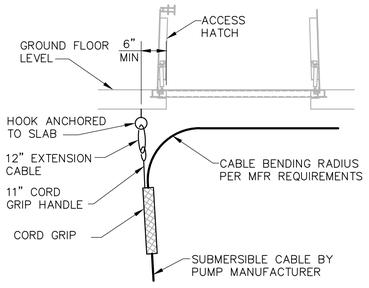
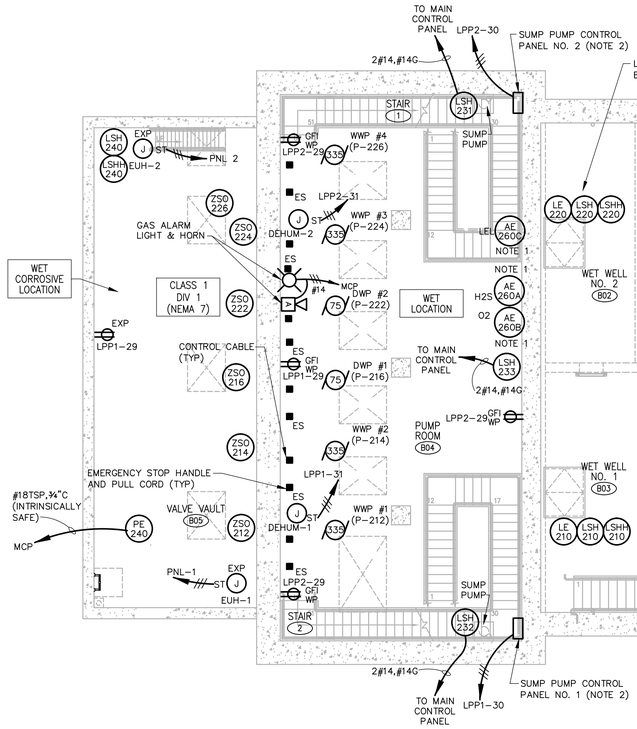
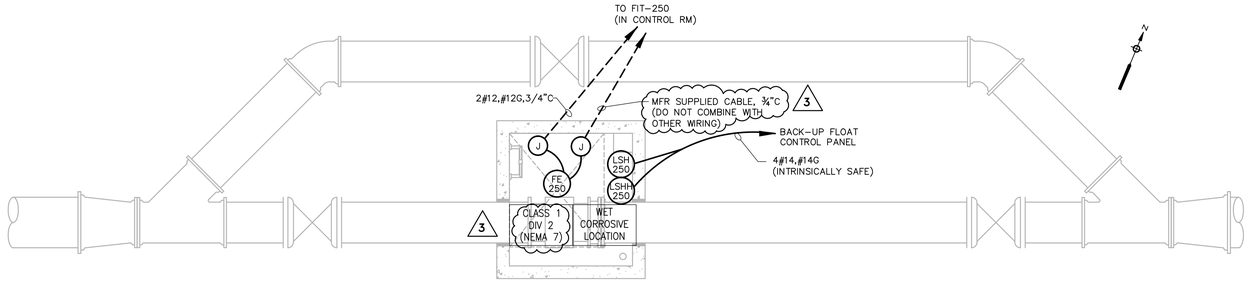


PUMP POWER CABLE SUPPORT DETAIL
NO SCALE



LOWER LEVEL POWER PLAN
1/8"=1'-0"



FLOW METER VAULT
1/4"=1'-0"

NOTES:
1. MOUNT AT ELEVATION RECOMMENDED BY MANUFACTURER.
2. RUN 2#12,#12G,3/4"C FROM 1/2HP SUMP PUMP TO SUMP PUMP CONTROL PANEL.
3. EQUIPMENT IN THIS LOCATION SHALL BE RATED FOR CLASS 1, DIV 1 LOCATIONS AND SHALL BE SUITABLE FOR WET, CORROSIVE LOCATIONS. INTRINSICALLY SAFE ENCLOSURES SHALL BE NEMA 4X.
4. PROVIDE DOUBLE POLE, SINGLE THROW CONTACTOR THAT ACTIVATES WHEN PULLCORD IS PULLED.

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Number	Description	Date
1	ADDRESS DEEP REVIEW	5/6/2016
2	BID ADDENDUM 2	7/12/2016
3	BID ADDENDUM 3	7/28/2016

FRANCIS T. PATNAUDE INTER-MUNICIPAL PUMPING STATION

MIDDLETOWN, CT

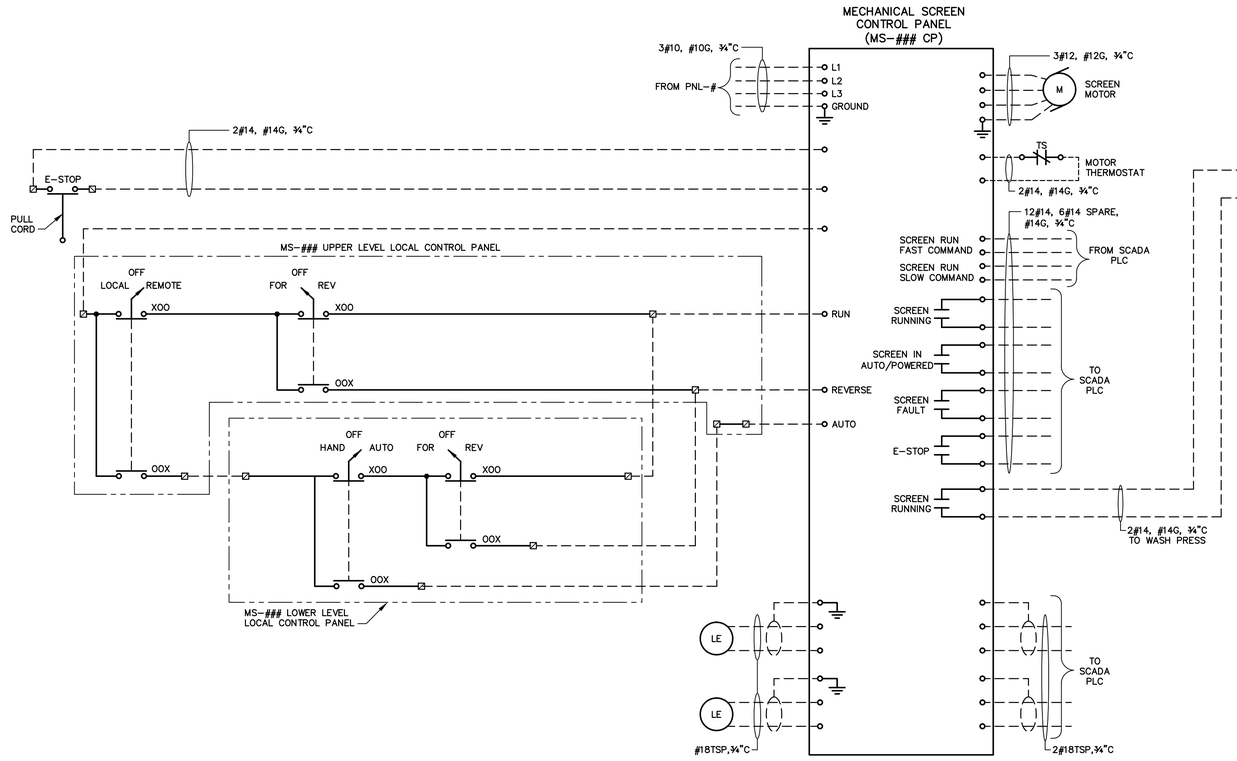
LOWER LEVEL, FLOW METER VAULT ELECTRICAL POWER PLAN

PROJECT NUMBER: 14712
DESIGNED BY: MJR
DRAWN BY: REJ
DATE: FEBRUARY 23, 2016

SHEET NUMBER:

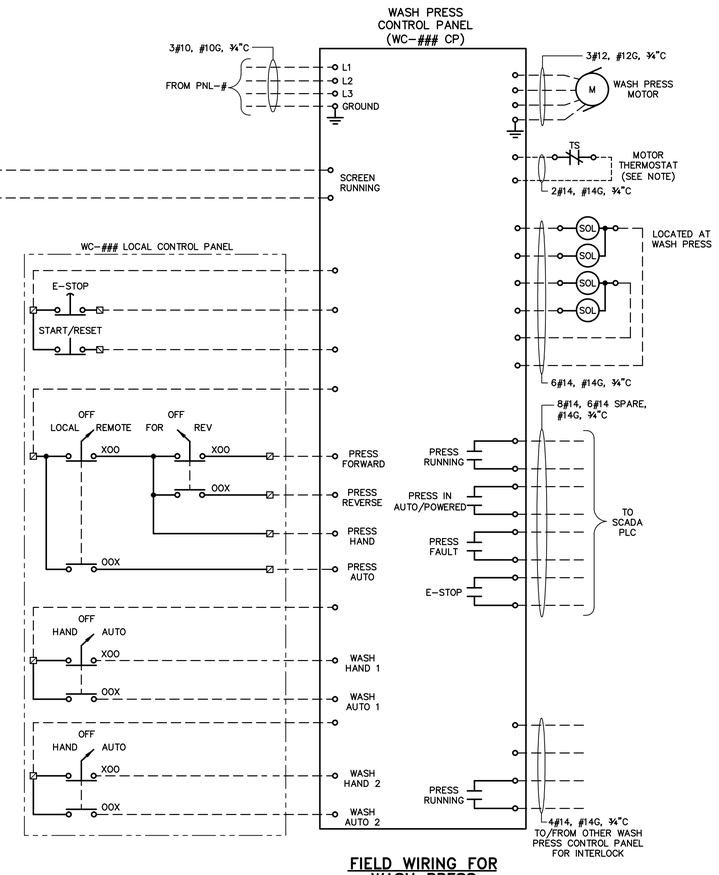
E-2.2

DRAWING FILE: O:\Projects\MJM\1325\E-2.2.dwg PLOTTED: Jul 27,2016-11:42am BY: tmp



FIELD WIRING FOR MECHANICAL SCREEN

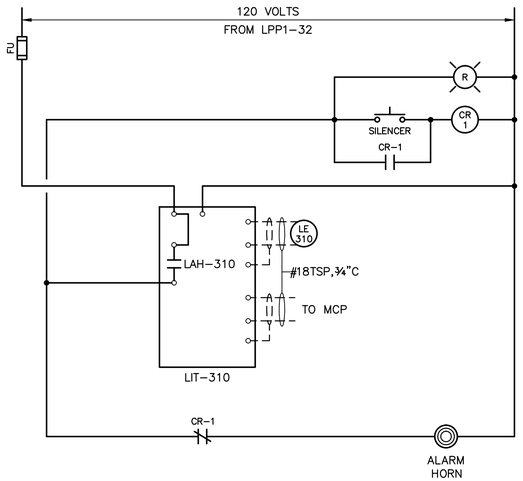
TYPICAL FOR MS-112 (WITH LE-112 AND LE-113) AND FOR MS-114 (WITH LE-114 AND LE-115)



FIELD WIRING FOR WASH PRESS

TYPICAL FOR WC-112 AND FOR WC-114

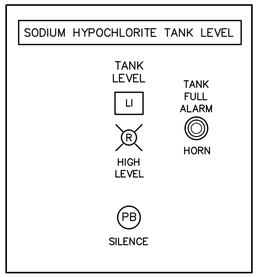
NOTE:
IF MOTOR THERMOSTAT IS REPLACED BY ULTRASONIC LEVEL SENSOR, PROVIDE #18TSP IN ¾" C.



SODIUM HYPOCHLORITE TRANSMITTER & LEVEL ALARM HORN WIRING DIAGRAM

NOTES:
1. LAH SHALL CLOSE WHEN ANY INPUT ENTERS ALARM.
2. PROVIDED BY DIVISION 16.
3. LIT-310 AND LE 310 FURNISHED BY DIVISION 13.

2



PROVIDED BY DIVISION 16
NEMA 4X S.S. ENCLOSURE

SODIUM HYPOCHLORITE LEVEL ALARM HORN PANEL

TYPICAL OF LAH-310

GENERAL NOTES:

1. PRIOR TO INSTALLING ANY CONDUITS OR PULLING ANY WIRE, CONFIRM WIRING REQUIREMENTS WITH THE EQUIPMENT AND/OR SYSTEM SUPPLIER'S SUBMITTED WIRING DIAGRAMS. CONTACT THE ENGINEER TO RESOLVE ANY DISCREPANCIES.
2. PRIOR TO PERFORMING WIRING ON VENDOR SUPPLIED CONTROL PANELS AND VENDOR SUPPLIED EQUIPMENT, THE CONTRACTOR SHALL COORDINATE EXACT WIRING CONNECTIONS FROM VENDOR SUPPLIED WIRING DIAGRAMS. IF THERE ARE ANY DISCREPANCIES, REPORT THIS TO THE ENGINEER AND THE ENGINEER WILL PROVIDE DIRECTION ON HOW TO PROCEED.

WIRING DIAGRAM SYMBOLS

- FIELD WIRING
- DEVICE TERMINAL
- PLC OR I/O TERMINAL
- CONTROL PANEL TERMINAL
- LOCATED IN MAIN CONTROL PANEL
- LOCATED IN BACK-UP FLOAT CONTROL PANEL
- MCC TERMINAL

NOTES:
1. EVERYTHING SHOWN ON THIS DRAWING, EXCEPT FOR FIELD WIRING AND CONDUIT, AND OTHER ITEMS AS NOTED, FURNISHED UNDER DIVISION 11.

2

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2	BID ADDENDUM 3	7/28/2016

FRANCIS T. PATNAUDE INTER-MUNICIPAL PUMPING STATION

MIDDLETOWN, CT

WIRING DIAGRAMS 5

PROJECT NUMBER: 14712
DESIGNED BY: MJR
DRAWN BY: REJ
DATE: FEBRUARY 23, 2016

SHEET NUMBER:

E-7.5

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