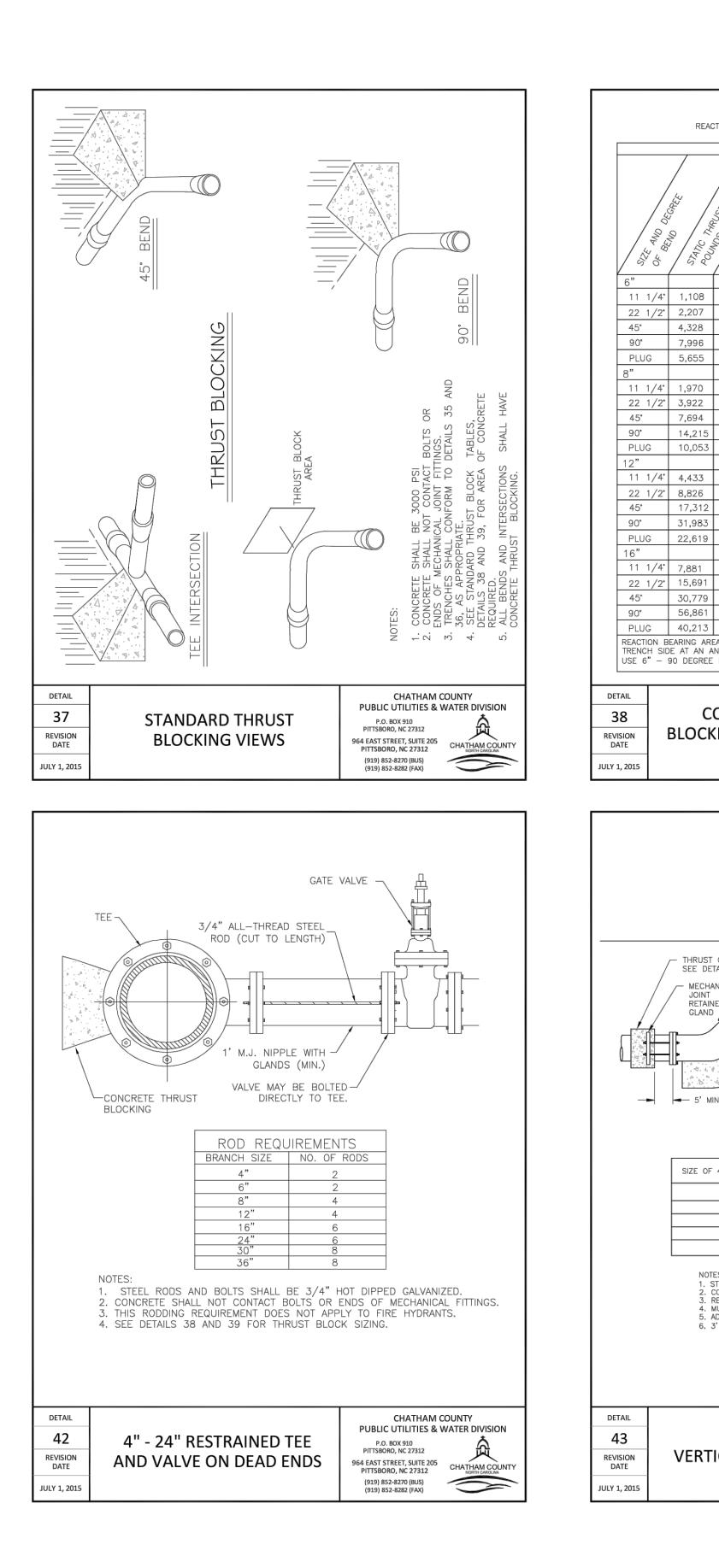


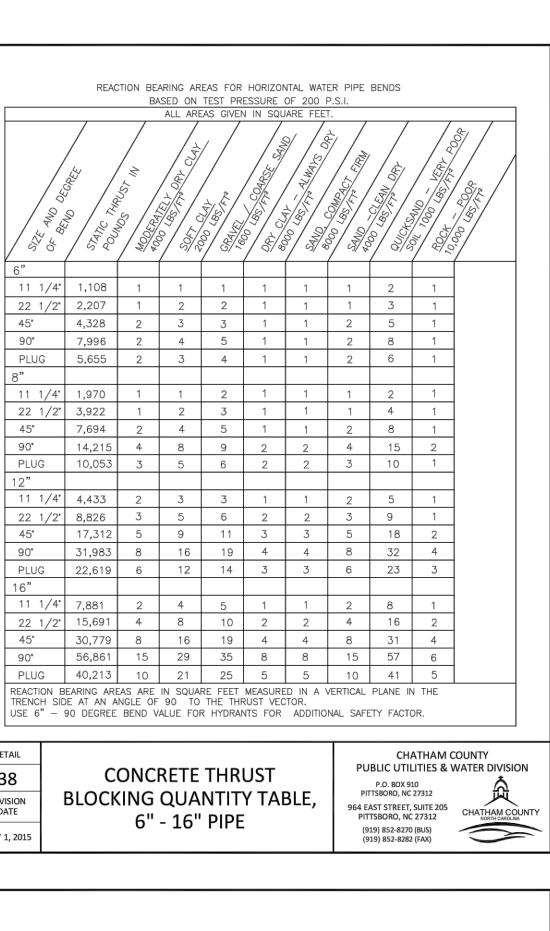
ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL CHATHAM COUNTY, NCDEQ PWSS, AND NCDOT STANDARDS AND SPECIFICATIONS.

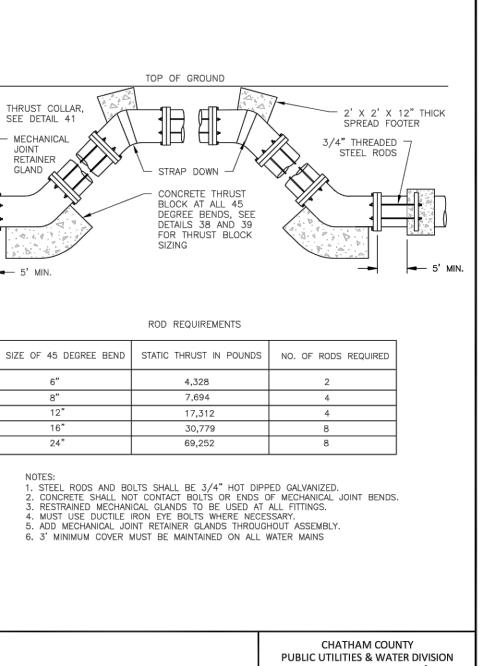
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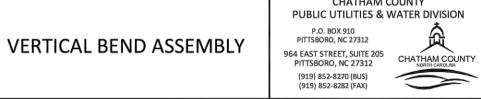


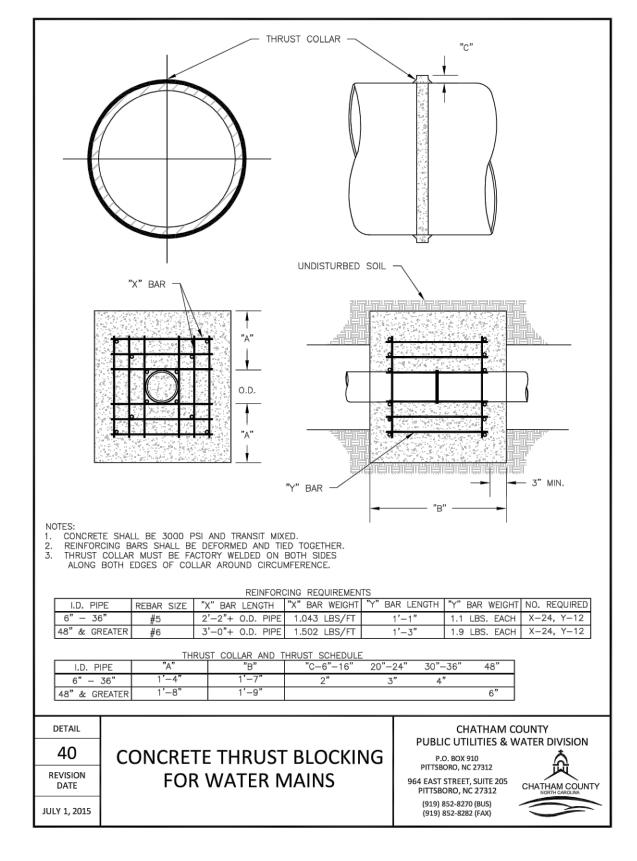


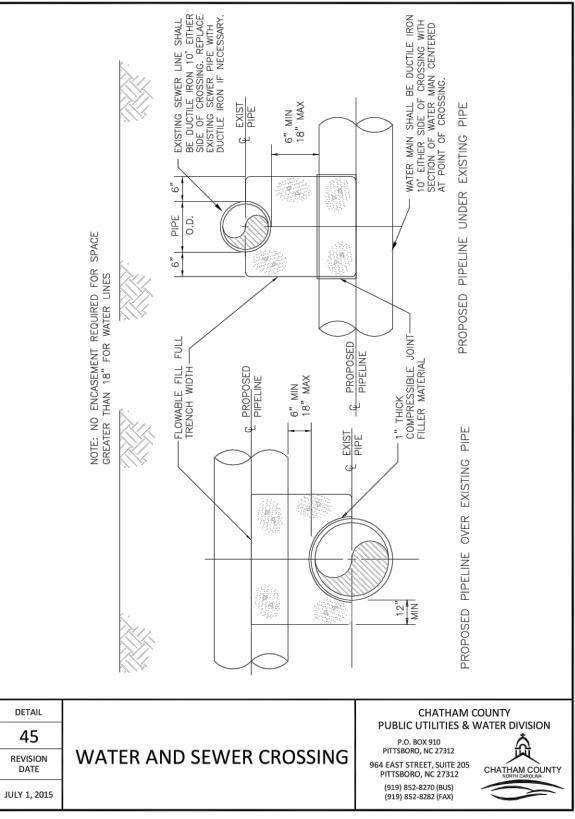


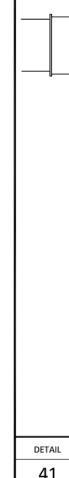
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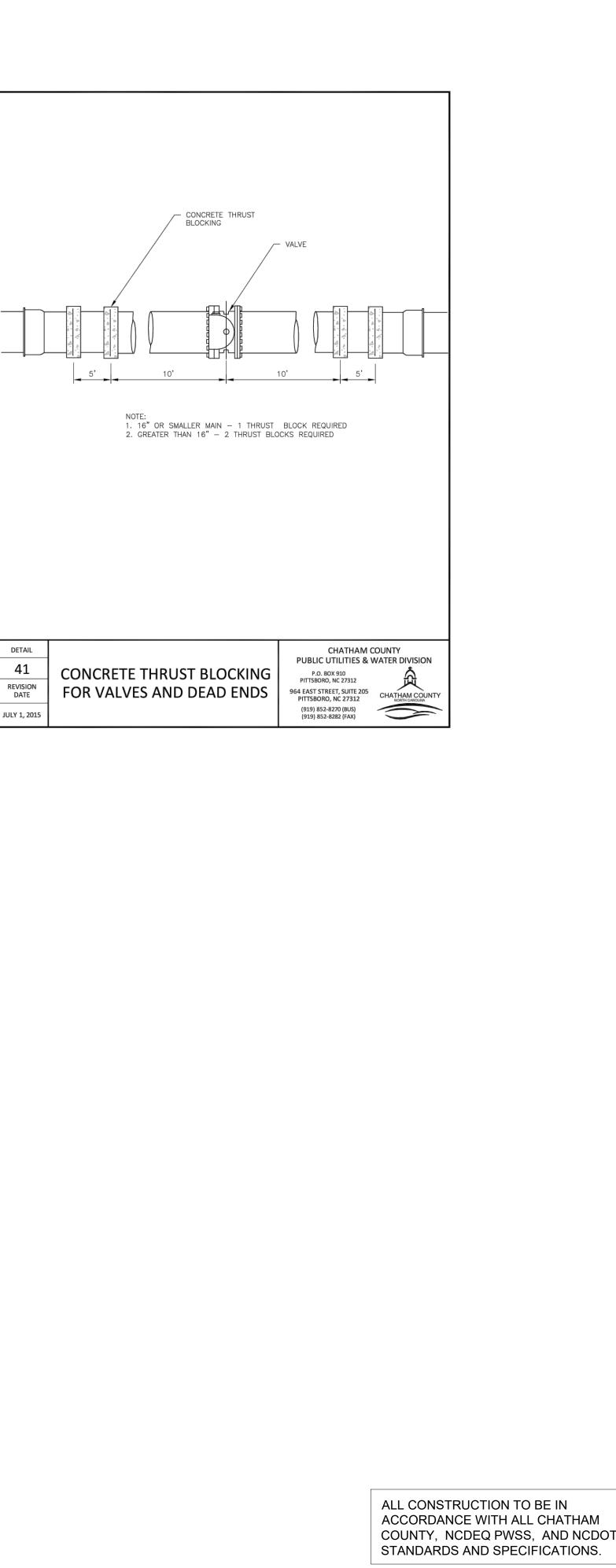


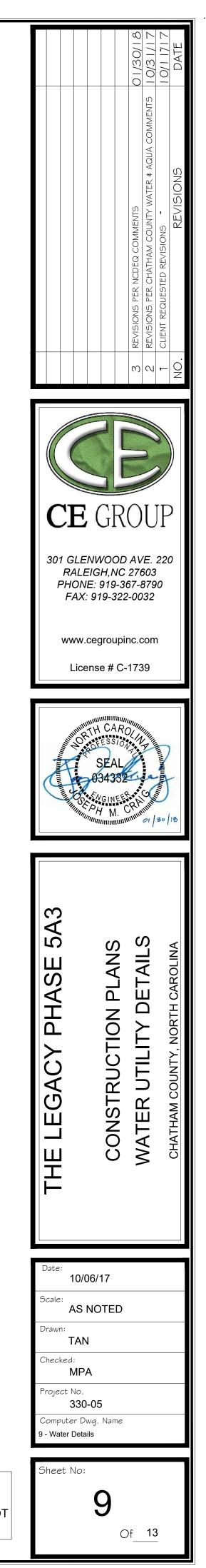


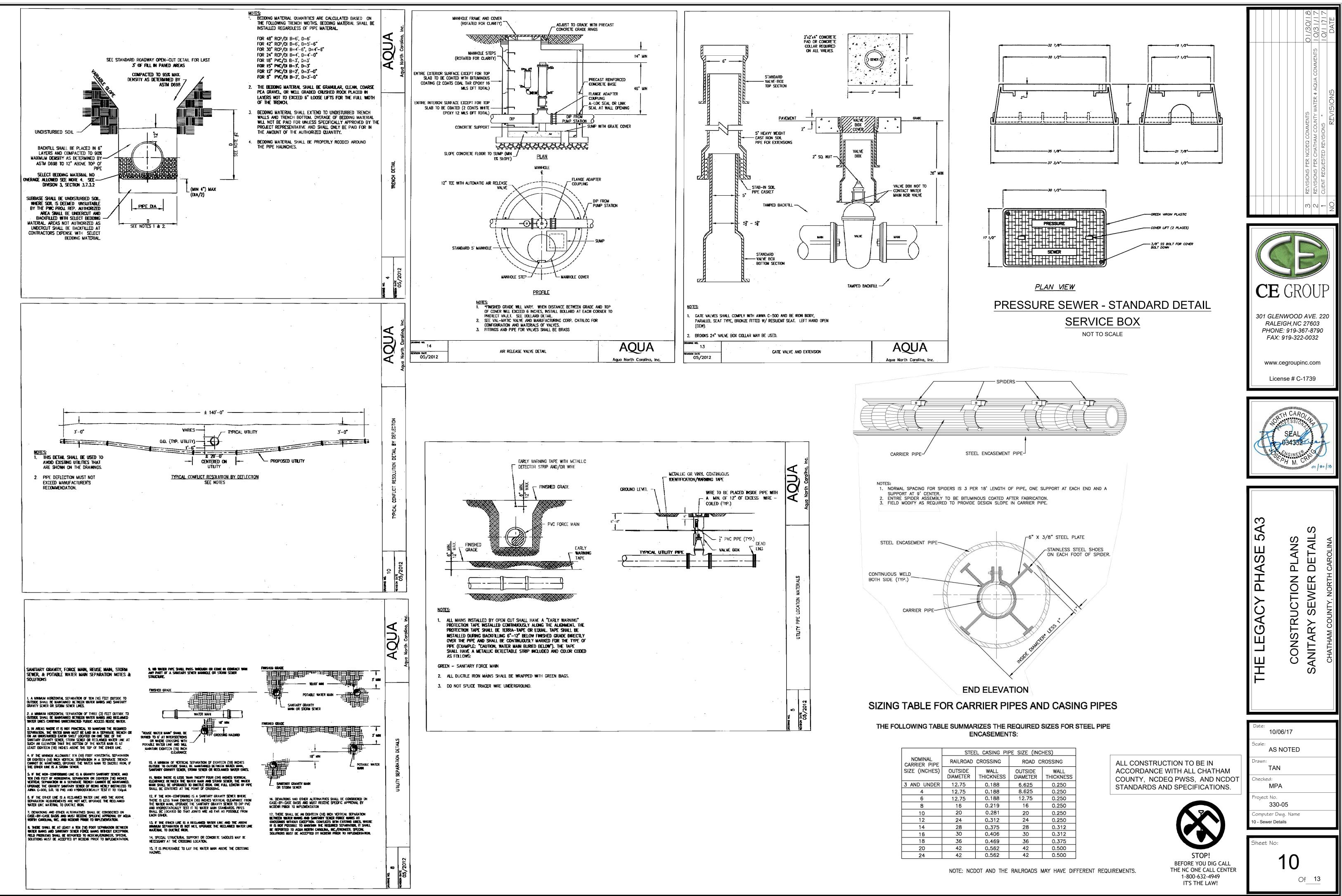




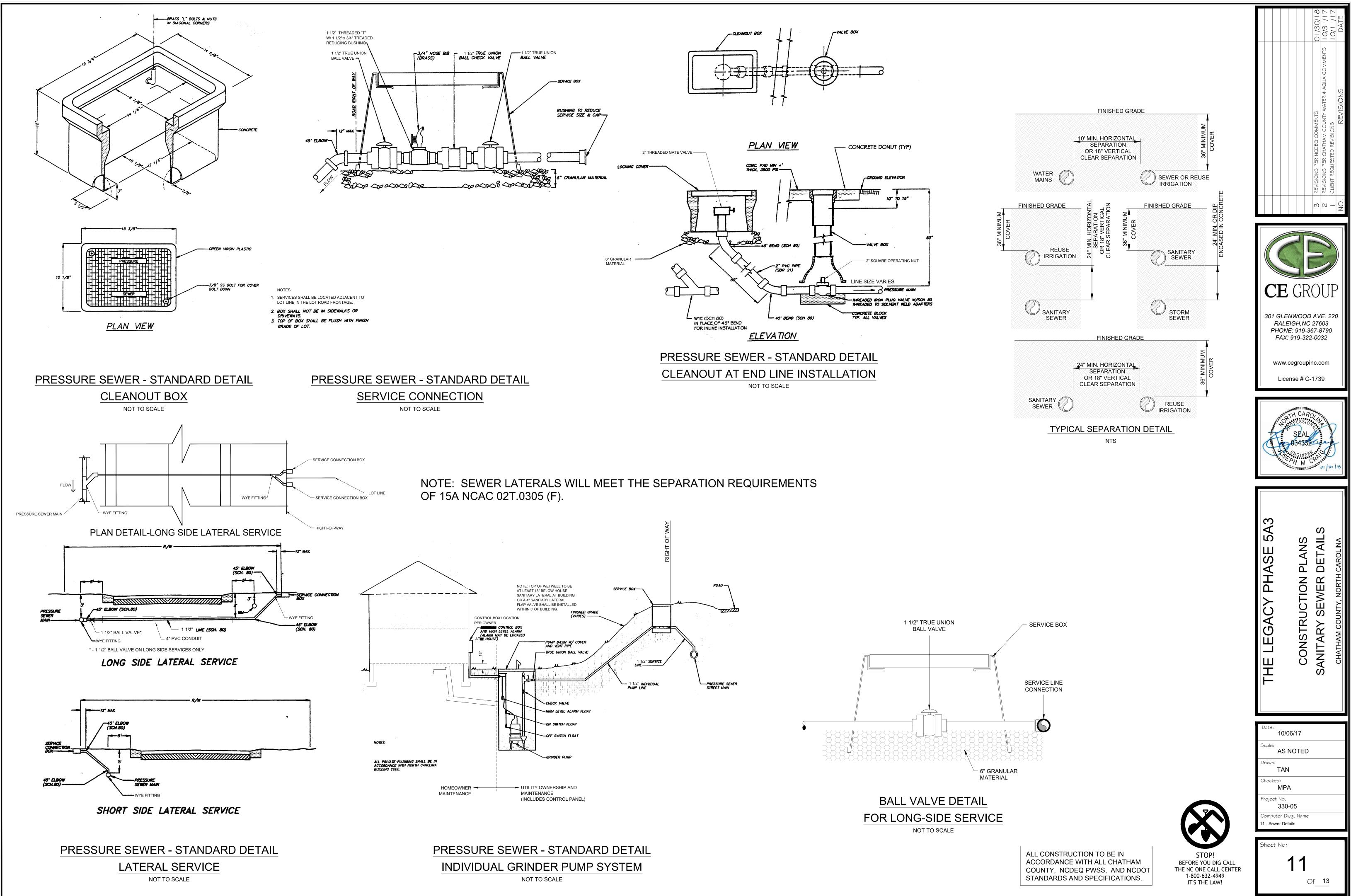


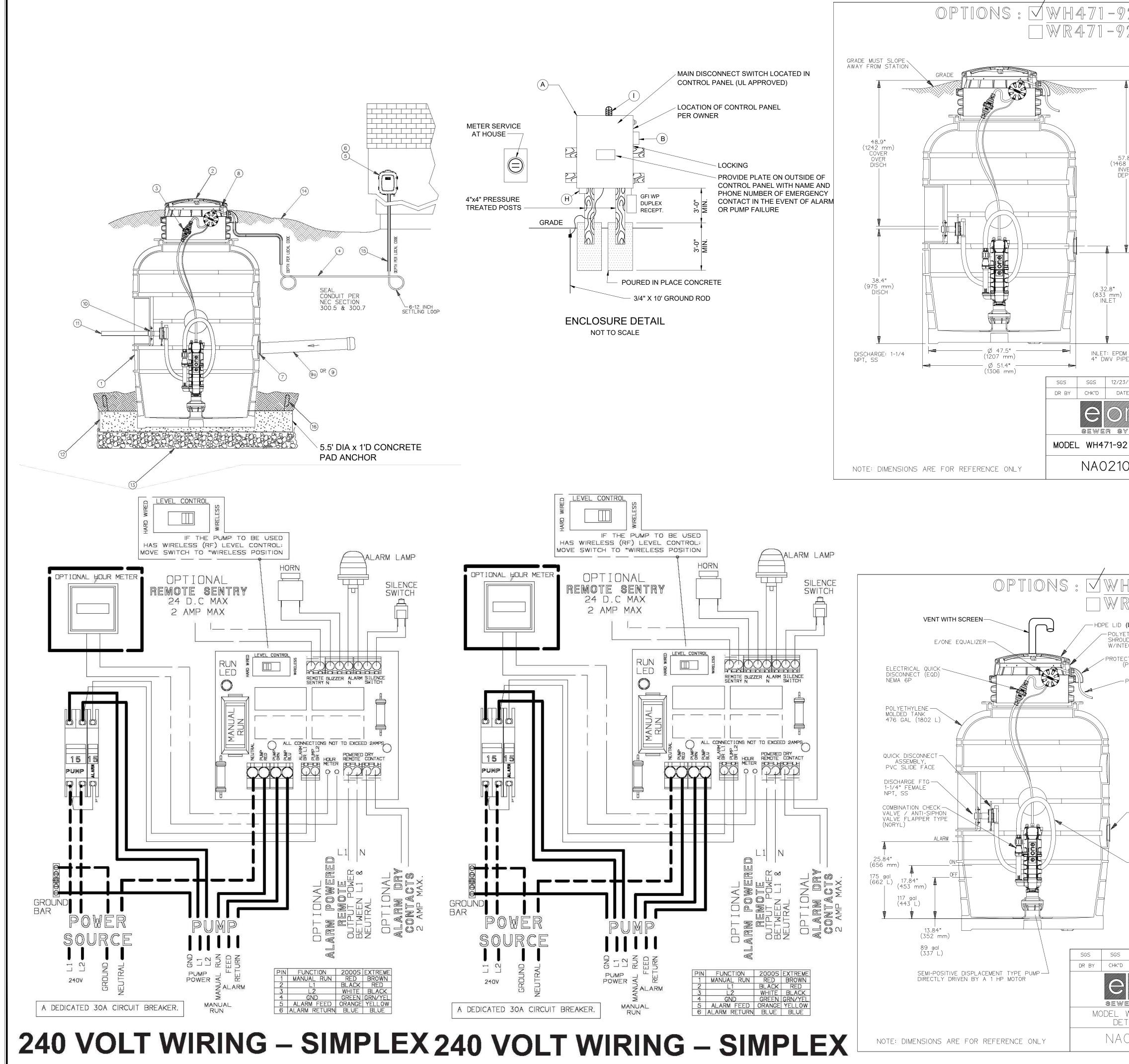




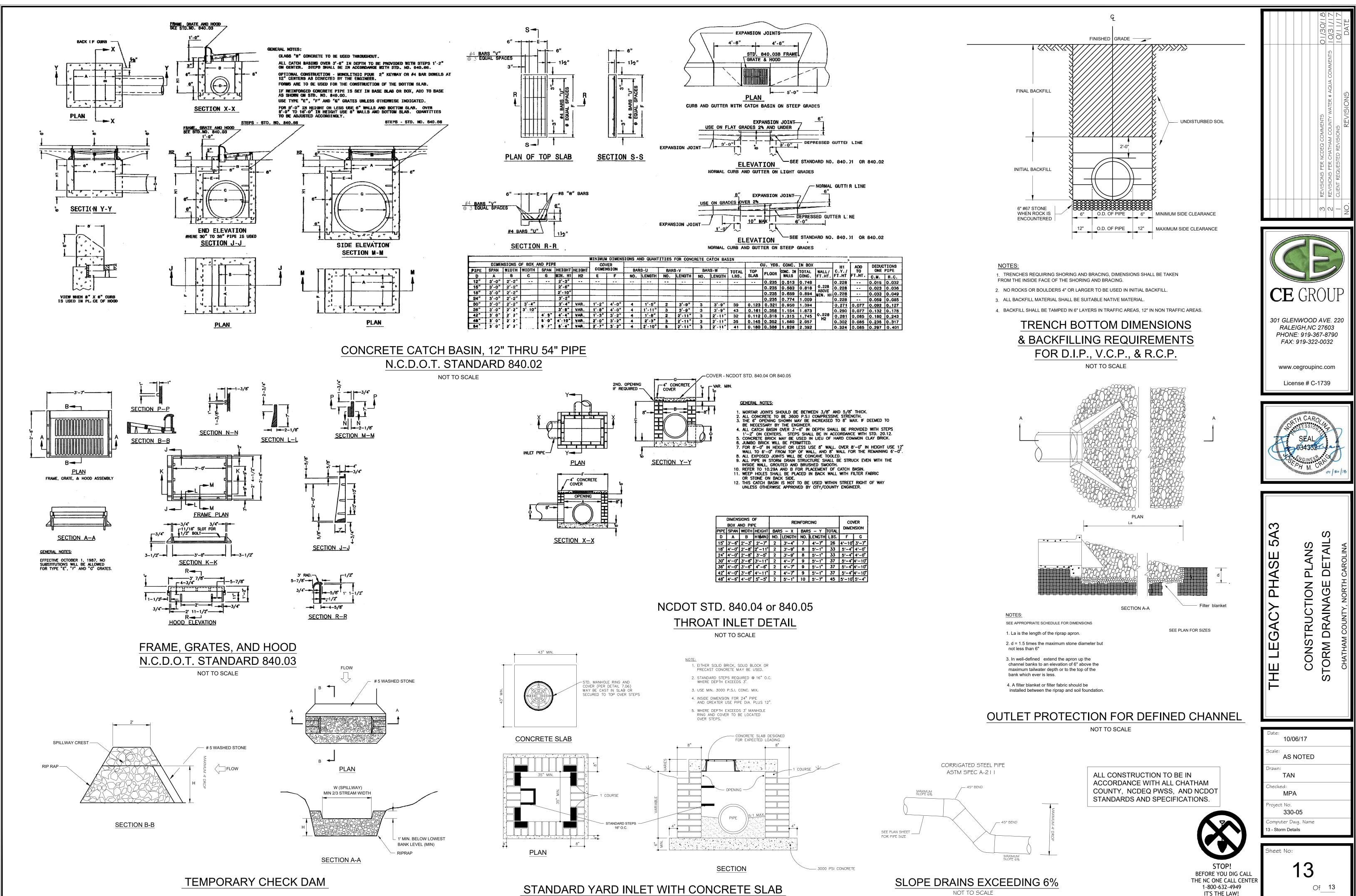


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<pre></pre>	Environment One Grinder Pump Feature Identification		01/30/18 10/31/17 10/11/17 DATE
	1. GRINDER PUMP BASIN – Polyethylene		
F	2. ACCESSWAY COVER – High density polyethylene (HDPE)		COMMENTS
	 3. ELECTRICAL QUICK DISCONNECT (EQD) – Cable from pump core terminates here 4. POWER AND ALARM CABLE – Circuits to be installed in accordance with local codes 		A COM
*	 FOWER AND ALARM CABLE – Circuits to be installed in accordance with local codes ALARM PANEL – NEMA 4X enclosure and equipped with circuit breakers. Locate according to 		¢ AQUA
	local codes.		
	 ALARM DEVICE – Every installation is to have an alarm device to alert the homeowner of a potential malfunction. Visual devices should be placed in very conspicuous locations. 		
	7. INLET – EPDM grommet (4.5" ID). For 4.5" OD DWV pipe (standard).		DEC COMMENTS THAM COUNTY REVISIONS REV
.8" mm) /ERT	8. WET WELL VENT – 2.0" tank vent		DEQ.
PTH	9. GRAVITY SERVICE LINE – 4" DWV, (4.5 OD). Supplied by others.		NIS PER NCI DNS PER CHI
93.0"	9a. STUB-OUT – 4" X 5' long watertight stub-out, to be installed at time of burial unless the gravity serviceline is connected during installation. Supplied by others.		
(2362 mm)	10. DISCHARGE FTG – 1-1/4" Female NPT, stainless steel		REVISIONS REVISIONS CLIENT REG
	11. DISCHARGE LINE – 1 1/2" Nominal pipe size. Supplied by others.		<u>ω</u> ω <u>-</u>
7	12. CONCRETE ANCHOR – See Ballast DETAIL for specific weight for your station height.		
	12 REDDING MATERIAL 6" minimum donth round organogoto (group) Supplied by others		
	 13. BEDDING MATERIAL – 6" minimum depth, round aggregate, (gravel). Supplied by others. 14. FINISHED GRADE – Grade line to be 1" to 2" below removable lid and slope away from the 		
	station.		
	15. CONDUIT – 1" or 1-1/4", material and burial depth as required per national and local codes. Conduit must enter panel from bottom and be sealed per NEC section 300.5 & 300.7. Supplied by		
	others.	CE	
GROMMET FOR E (STANDARD)	16. REBAR – For use with precast concrete ballast. Required to lift tank after ballast (concrete anchor) has been attached, 4 places, evenly spaced around tank.		GROUP
	PUMP SERVICE LINE AND TANK		IWOOD AVE. 220 GH,NC 27603
/10 A 1/16 E ISSUE SCALE	1. PUMP CHAMBER: SHALL BE 47.5" Ø FIBERGLASS BASIN,	PHONE	: 919-367-8790 919-322-0032
	AS MANUFACTURED BY PUMP MANUFACTURER. 2. <u>PVC PIPE FOR SERVICE</u> : SHALL BE PRESSURE CLASS 160 PER ASTM D2241	FAA.S	919-322-0032
	AS INDICATED ON THE DRAWINGS. FITTINGS SHALL BE SOLVENT WELD SOCKET-TYPE CONFORMING TO ASTM D2467 AND ASTM D2855.	WWW.C	egroupinc.com
/stems 2 / WR471-92	 <u>CHECK VALVES</u>: SHALL BE MADE OF PVC THERMOPLASTIC. <u>PVC PIPE IN DOSING TANK</u>: SHALL BE SCHEDULE 80. 		nse # C-1739
	PUMPS CONTROL INFORMATION: 1. SIMPLEX PUMP CONTROL PANEL: INCLUDES INDIVIDUAL CIRCUIT BREAKERS, MOTOR		
)P04	STARTER, TERMINAL STRIP AND GROUND BUS IN A LOCKABLE NEMA 4X ENCLOSURE. THE CONTROLLER SHALL HAVE THREE LEVEL SENSING POINTS: PUMP OFF, PUMP ON,		
	HIGH WATER ALARM. CONTROL PANEL AND CONTROLS SHALL BE SUPPLIED BY PUMP MANUFACTURER THE CONTROL PANEL AND ALARM MAY BE ATTACHED TO THE HOME	unununun RT	HCAROL
	EXTERIOR AT THE OWNERS OPTION OR POST-MOUNTED 36" ABOVE GRADE AT A LOCATION CONVENIENT TO THE OWNER. THE ALARM CIRCUIT SHALL SENSE HIGH WATER LEVEL AND	IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	SEAL
	INITATE THE ALARM. AN ALARM RESET SWITCH AND ALARM TEST SWITCH SHALL BE PROVIDED ON THE CONTROL PANEL DOOR. A HIGH VISIBILITY RED ALARM LIGHT AND AUDIBLE ALARM	Chy	034332
	SHALL BE MOUNTED ON THE EXTERIOR OF THE PANEL.		WGINEER RANNING
	2. <u>LIQUID LEVEL SENS</u> OR: SHALL BE ADJUSTABLE LEVEL MERCURY FLOAT SWITCH SUPPLIED BY THE MANUFACTURER.		1/ W
	3. <u>DUPLEX RECEPTACLE:</u> A RECEPTACLE (120 VOLTS) WITH GROUND FAULT PROTECTION AND A WATER PROOF COVER SHALL BE MOUNTED ON THE EXTERIOR OF THE PUMP		
Level CO	4. ELECTRIC CONDUIT: UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC DIRECT		
(LOCKABLE) THYLENE COVER D ASSEMBLY	 <u>GENERAL</u>: ALL CONTROLS AND WIRING SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND ANY APPLICABLE STATE AND LOCAL CODES. 	5A3	S ₹
EGRAL VENT CTIVE CABLE SHROUD	TESTING:	Ш	
POWER/ALARM CABLE (6 CONDUCTOR)	1. <u>GENERAL</u> : FINAL TESTING OF PUMP STATION SHALL BE MADE AFTER ITS COMPLETION. THE CONTRACTOR SHALL NOTIFY THE OWNER AND COUNTY INSPECTOR A MINIMUM OF 72 HOURS PRIOR TO INSPECTION.	PHAS	TION PLANS DETAILS , NORTH CAROLINA
DIRECT BURY	2. PUMPING: THE CONTRACTOR SHALL PROVIDE SUFFICIENT WATER TO ALLOW FULL DEMONSTRATION OF THE PUMPING CYCLES AND ALARM SEQUENCE TO THE SATISFACTION OF THE OWNER AND COUNTY INSPECTOR.		
	3. PUMP TANK: SHALL BE TESTED FOR INFILTRATION/EXFILTRATION PRIOR TO THE COMPLETION OF THE SYSTEM. TANKS SHALL BE FILLED TO THE TOP OF	GACY	NSTRUC SEWER HAM COUNT
	INFLUENT LINE WITH WATER AND TESTED FOR 24 HOURS. IF WATER LEVEL EITHER INCREASES OR DECREASES MORE THAN 1/2" DURING THIS TIME THE TANKS WILL HAVE	Ċ	ST EV
	FAILED THE INFILTRATION/EXFILTRATION TEST. THE CONTRACTOR MAY OPT TO PERFORM A VACCUUM TEST TO SATISFY REQUIREMENTS.	Ш	ON. S
	ELECTRICAL NOTES	Ш	CH CH
	A. 14" HIGH x 12" WIDE x 6" DEEP NEMA - 4X FIBERGLASS ENCLOSURE.	Ë	
- INLET, EPDM GROMME TO ACCEPT 4.50" (114 mm) OD PVC	B. DUPLEX CONVENIENCE RECEPTACLE, GROUND FAULT INTERRUPT,		
PIPE (STANDARD). DUST COVER SUPPLI FOR SHIPMENT (NOT			
SUITABLE FOR BURI			
∽ 1-1/4 (32 mm) FLE> DISCHARGE HOSE	KIBLE D. CONTROL PANEL FURNISHED BY PUMP MANUFACTURER. E. AUDIBLE - VISIBLE HIGH-LEVEL ALARM WITH HORN, FURNISHED	Date: 10/06	6/17
	BY PUMP MANUFACTURER.	Scale: AS N	IOTED
	F. ALL CONTROL WIRING TO BE FURNISHED BY PUMP MANUFACTURER.	Drawn:	
	G. DISCONNECT SWITCH, SERVICE ENTRANCE RATED, 60A/2P,W/40AF.	TAN Checked:	
	H. ALARM BUZZER	MPA	
12/23/10 B	23/10 B 1/16 I. ALARM LIGHT		05
DATE ISSUE	SCALE 7	Computer Dwa	g. Name
		12 - Sewer Deta	lið
ER SYSTEMS		Sheet No:	
WH471 / WR471 TAIL SHEET	STOP! ALL CONSTRUCTION TO BE IN	-	12
D210P02	BEFORE YOU DIG CALL THE NC ONE CALL CENTER 1-800-632-4949 ACCORDANCE WITH ALL CHATHAM COUNTY, NCDEQ PWSS, AND NCDOT	1	
	IT'S THE LAW! STANDARDS AND SPECIFICATIONS.	1	Of <u>13</u>



STANDARD YARD INLET WITH CONCRETE SLAB

IT'S THE LAW!