

EETS	WATER AND SEWER	PREPARED IN THE OFFICE OF
-	OWNERS ON PROJECT EDGECOMBE COUNTY WATER AND SEWER	Engineers • Planners • Scientists • Construction Mana 4505 Falls of Neuse Road, Suite 400 Raleigh, NC 27609 Phone (919) 783-9214 • Fax (919) 783-9266 License No. C-764
BOLOGY	201 SAINT ANDREW ST. POST OFFICE BOX 10	
STRUCTION SHEET	TARBORO, NC 27886	DINKISSA KEREYU, PEPROJECT ENGINEERMARCO MENENDEZ, PEPROJECT MANAGERANGELICA PURAPROJECT DESIGNER

PROPOSED WATER SYMBOLS

Water Line (Sized as Shown)	
11 ¹ ⁄4 Degree Bend	
$22\frac{1}{2}$ Degree Bend	
45 Degree Bend +**	
90 Degree Bend	
Plug ·····	
Tee	
Cross	
Reducer	
Gate Valve	
Butterfly Valve	
Tapping Valve	
Line Stop	
Line Stop with Bypass	
Blow Off	
Fire Hydrant 🗝	
Relocate Fire Hydrant	
Remove Fire Hydrant	Η
Water Meter PM	
Relocate Water Meter	
Remove Water Meter	М
Water Pump Station PS(W)	
RPZ Backflow Preventer	
DCV Backflow Preventer	
Relocate RPZ Backflow Preventer	
Relocate DCV Backflow Preventer 🔤	

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	ORTH CAR OF HIGHWA		PROJECT REFERENCE NO. B-5671	SHEET NO. UC-2
TIES PLAN	SHEET	SYMBOLS		
	PROPOSED MI	SCELLANOUS UTILITIES SYMBOLS		
Power Pole	δ	Thrust Block		
Telephone Pole	- o -	Air Release Valve	AR •••••	
Joint Use Pole	- b -	Utility Vault	UV	
Telephone Pedestal		Concrete Pier	CP.	
Utility Line by Others (Type as Shown)	PROP O/H POW LINES	Steel Pier	SP	
Trenchless Installation		Plan Note		
Encasement by Open Cut	24" ENCAS BY OC	Pay Item Note		
Encasement	24" ENCASEMENT		PAY ITEM	
	EXIST	TING UTILITIES SYMBOLS		
Power Pole	•••••••••••••••••••••••••••••••••••••••	*Underground Power Line		
Telephone Pole		*Underground Telephone Cable		
Joint Use Pole		*Underground Telephone Conduit		

Power Pole		*Undergrou
Telephone Pole	-•-	*Undergrou
Joint Use Pole	- -	*Undergrou
Utility Pole	•	*Undergrou
Utility Pole with Base		*Undergrou
H-Frame Pole	•—•	*Undergrou
Power Transmission Line Tower	\boxtimes	*Undergrou
Water Manhole	\odot	Abovegrou
Power Manhole	Ø	*Undergrou
Telephone Manhole	\bigcirc	Abovegrou
Sanitary Sewer Manhole		*Undergrou
Hand Hole for Cable	н	Abovegrou
Power Transformer		*Undergrou
Telephone Pedestal	T	Undergrou
CATV Pedestal	C	SUE Test
Gas Valve	\diamond	Water Met
Gas Meter	\diamond	Water Val
Located Miscellaneous Utility Object	\odot	Fire Hydr
Abandoned According to Utility Records	AATUR	Sanitary
End of Information	E.O.I.	

I	
ound Fiber Optics Telephone Cable	
ound TV Cable	
ound Fiber Optics TV Cable	
ound Gas Pipeline	
ound Gas Pipeline	A/G Gas
ound Water Line	
ound Water Line	A/G Water
ound Gravity Sanitary Sewer Line	SS
ound Gravity Sanitary Sewer Line	A/G Sanitary Sewer
ound SS Forced Main Line	
ound Unknown Utility Line	
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GENERAL NOTES:

1. THE PROPOSED UTILITY CONSTRUCTION SHALL MEET THE APPLICABLE REQUIREMENTS OF THE NC DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES" DATED JANUARY 2018.

2. THE EXISTING UTILITIES BELONG TO EDGECOMBE COUNTY WATER AND SEWER.

3. ALL WATER LINES TO BE INSTALLED WITHIN COMPLIANCE OF THE RULES AND REGULATIONS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY, DIVISION OF WATER RESOURCES, PUBLIC WATER SUPPLY SECTION. ALL SEWER LINES TO BE INSTALLED WITHIN COMPLIANCE OF THE RULES AND REGULATIONS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT QUALITY, DIVISION OF WATER RESOURCES, WATER QUALITY SECTION. PERFORM ALL WORK IN ACCORDANCE WITH THE APPLICABLE PLUMBING CODES.

4. THE UTILITY OWNER OWNS THE EXISTING UTILITY FACILITIES AND WILL OWN THE NEW UTILITY FACILITIES AFTER ACCEPTANCE BY THE DEPARTMENT. THE DEPARTMENT OWNS THE CONSTRUCTION CONTRACT AND HAS ADMINISTRATIVE AUTHORITY. COMMUNICATIONS AND DECISIONS BETWEEN THE CONTRACTOR AND UTILITY OWNER ARE NOT BINDING UPON THE DEPARTMENT OR THIS CONTRACT UNLESS AUTHORIZED BY THE ENGINEER. AGREEMENTS BETWEEN THE UTILITY OWNER AND CONTRACTOR FOR THE WORK THAT IS NOT PART OF THIS CONTRACT OR IS SECONDARY TO THIS CONTRACT ARE ALLOWED, BUT ARE NOT BINDING UPON THE DEPARTMENT.

5. PROVIDE ACCESS FOR THE DEPARTMENT PERSONNEL AND THE OWNER'S REPRESENTATIVES TO ALL PHASES OF CONSTRUCTION. NOTIFY DEPARTMENT PERSONNEL AND THE UTILITY OWNER TWO WEEKS PRIOR TO COMMENCEMENT OF ANY WORK AND ONE WEEK PRIOR TO SERVICE INTERRUPTION. KEEP UTILITY OWNERS' REPRESENTATIVES INFORMED OF WORK PROGRESS AND PROVIDE OPPORTUNITY FOR INSPECTION OF CONSTRUCTION AND TESTING.

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UTILITY CONSTRUCTION

6. THE PLANS DEPICT THE BEST AVAILABLE INFORMATION FOR THE LOCATION, SIZE, AND TYPE OF MATERIAL FOR ALL EXISTING UTILITIES. MAKE INVESTIGATIONS FOR DETERMINING THE EXACT LOCATION, SIZE, AND TYPE MATERIAL OF THE EXISTING FACILITIES AS NECESSARY FOR THE CONSTRUCTION OF THE PROPOSED UTILITIES AND FOR AVOIDING DAMAGE TO EXISTING FACILITIES. REPAIR ANY DAMAGE INCURRED TO EXISTING FACILITIES TO THE ORIGINAL OR BETTER CONDITION AT NO ADDITIONAL COST TO THE DEPARTMENT.

7. MAKE FINAL CONNECTIONS OF THE NEW WORK TO THE EXISTING SYSTEM WHERE INDICATED ON THE PLANS, AS REQUIRED TO FIT THE ACTUAL CONDITIONS, OR AS DIRECTED.

8. MAKE CONNECTIONS BETWEEN EXISTING AND PROPOSED UTILITIES AT TIMES MOST CONVENIENT TO THE PUBLIC, WITHOUT ENDANGERING THE UTILITY SERVICE, AND IN ACCORDANCE WITH THE UTILITY OWNER'S REQUIREMENTS. MAKE CONNECTIONS ON WEEKENDS, AT NIGHT, AND ON HOLIDAYS IF NECESSARY.

9. ALL UTILITY MATERIALS SHALL BE APPROVED PRIOR TO DELIVERY TO THE PROJECT. SEE 1500-7, "SUBMITTALS AND RECORDS" IN SECTION 1500 OF THE STANDARD SPECIFICATIONS.

PROJECT SPECIFIC NOTES:

1. CONTRACTOR'S ATTENTION IS DIRECTED TO SECTIONS 102, 107, AND 1550 OF THE STANDARD SPECIFICATIONS CONCERNING TRENCH LESS INSTALLATION. IT IS CONTRACTOR'S RESPONSIBILITY TO HAVE BORE DESIGNED AND SEALED BY A LICENSED NORTH CAROLINA PROFESSIONAL ENGINEER. NO DAMAGE IS ALLOWED TO RIVER, WETLANDS, OR BUFFER ZONES.

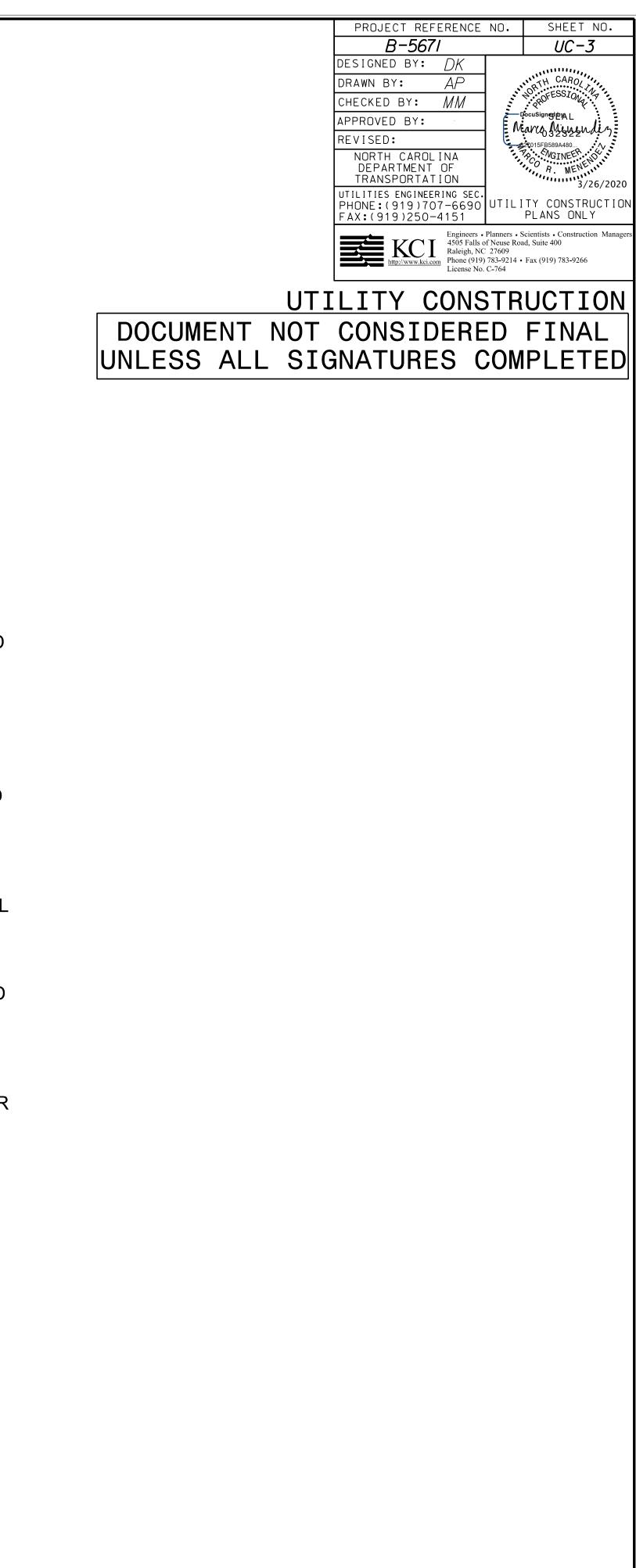
2. THE PROPOSED WATER LINE INSTALLED USING DIRECTIONAL DRILLING SHALL BE DR-9 HDPE WITH BUTT-FUSED JOINTS OR DR18 FUSIBLE PVC PIPES.

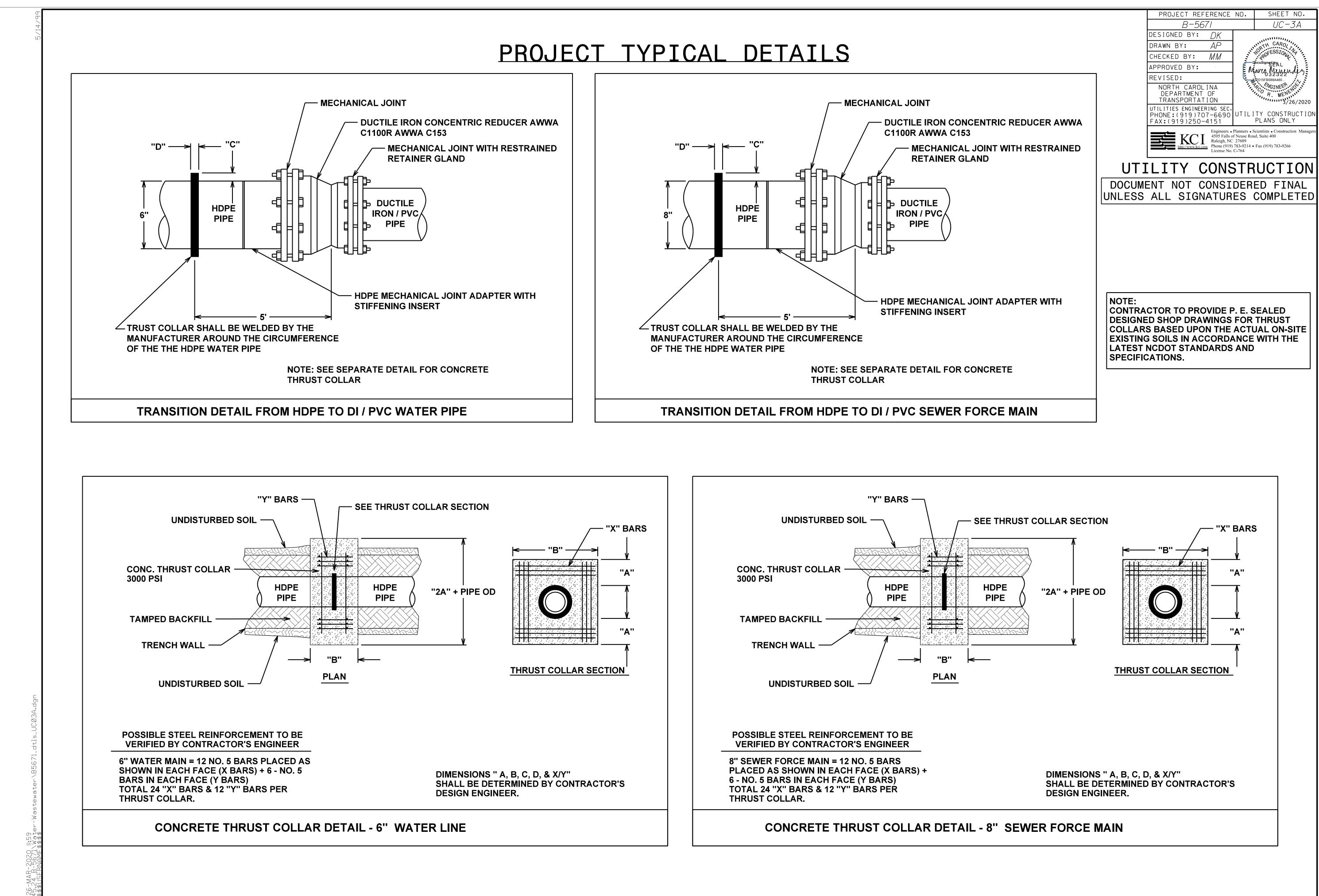
3. THE INTERNAL DIAMETER OF HDD PIPES SHALL BE EQUAL OR GREATER THAT THE EXISTING DIAMETER OF EXISTING WATER AND SEWER LINES.

4. ALL PIPES AND FITTINGS JOINTS SHALL BE RESTRAINED WITH RESTRAINED JOINTS.

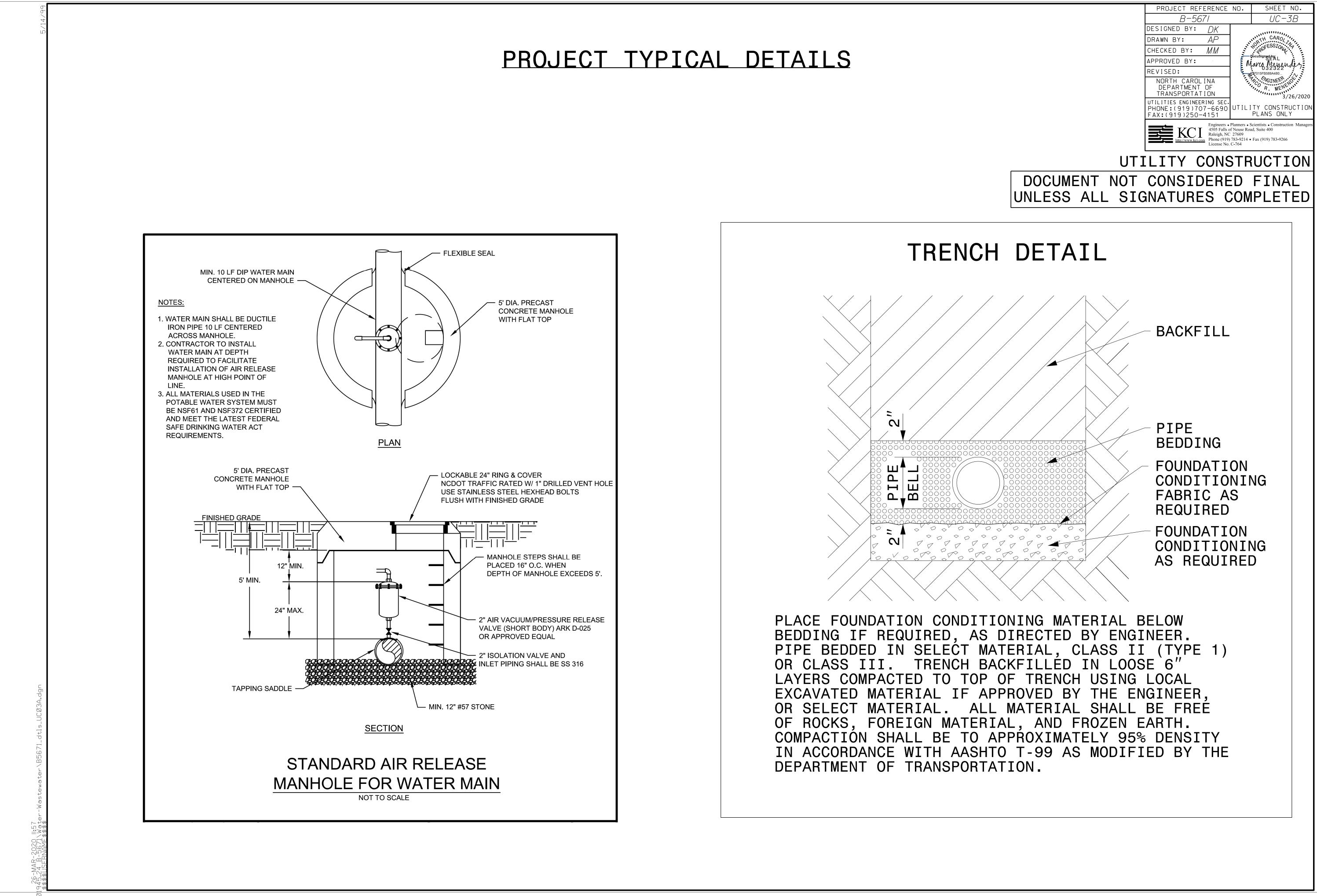
5. CONTRACTOR SHALL COORDINATE WITH EDGECOMBE COUNTY WATER AND SEWER TO SHUTDOWN EXISTING WATER AND SANITARY SEWER LINES. SHUTTING DOWN OF THE PUMPING STATION FOR THE FORCE MAIN SANITARY SEWER SHALL BE LIMITED TO NOT MORE THAN 8 HOURS. THE CONTRACTOR WILL BE ALLOWED TO SHUT DOWN THE PUMPING STATION ONLY FOR CONNECTING THE NEW SEWER LINE WITH THE EXISTING ONE AFTER COMPLETING ALL OTHER ACTIVITIES RELATED TO FORCE MAIN INSTALLATION.

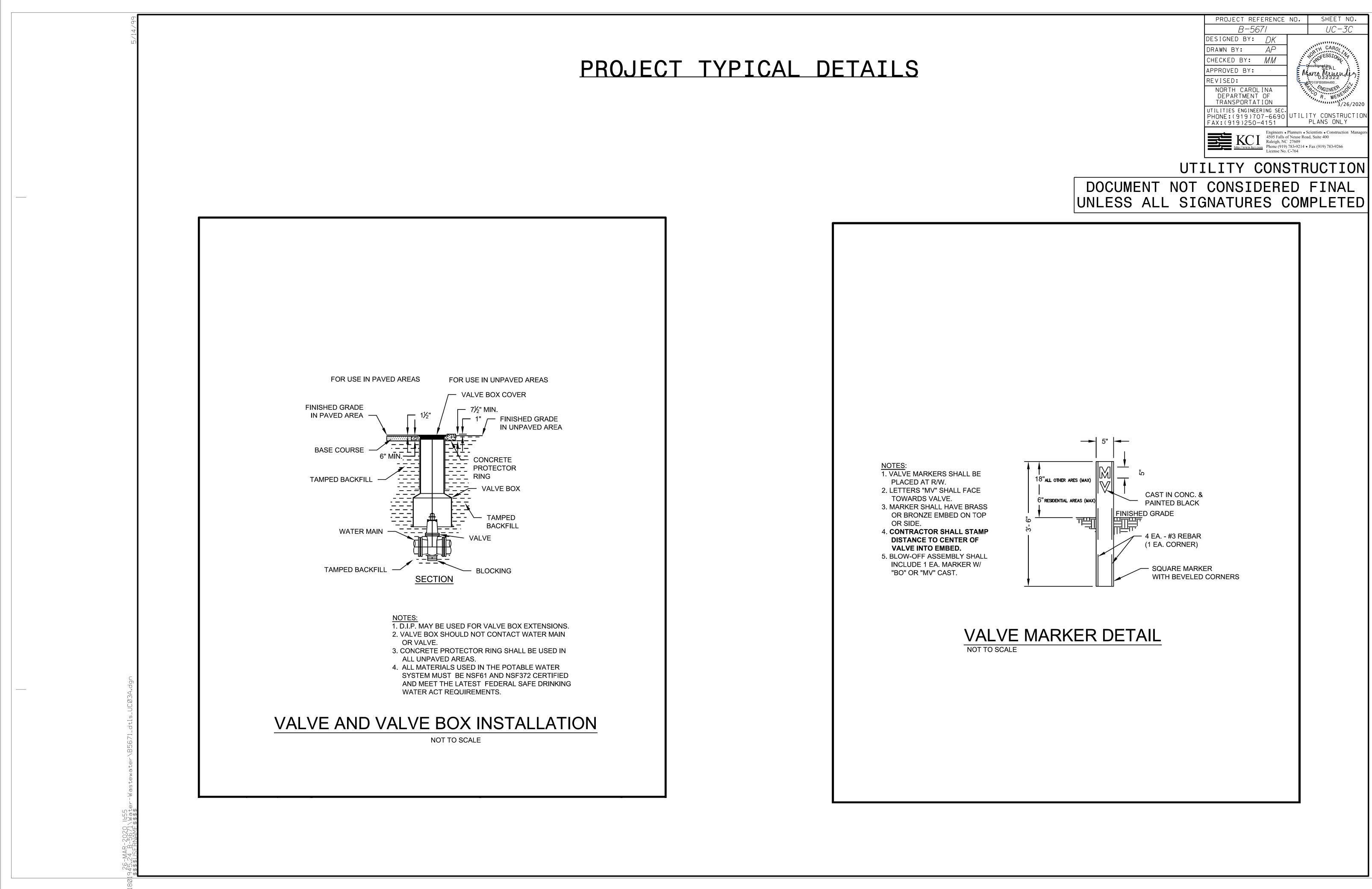
6. THE CONTRACTOR SHALL ALLOW SUFFICIENT LENGTHS OF PIPE TO EXTEND PAST THE TERMINATION POINT TO ALLOW FOR CONTRACTION. PULLED HDD PIPES SHALL BE ALLOWED TO RELAX FOR A MINIMUM OF 48 HOURS.

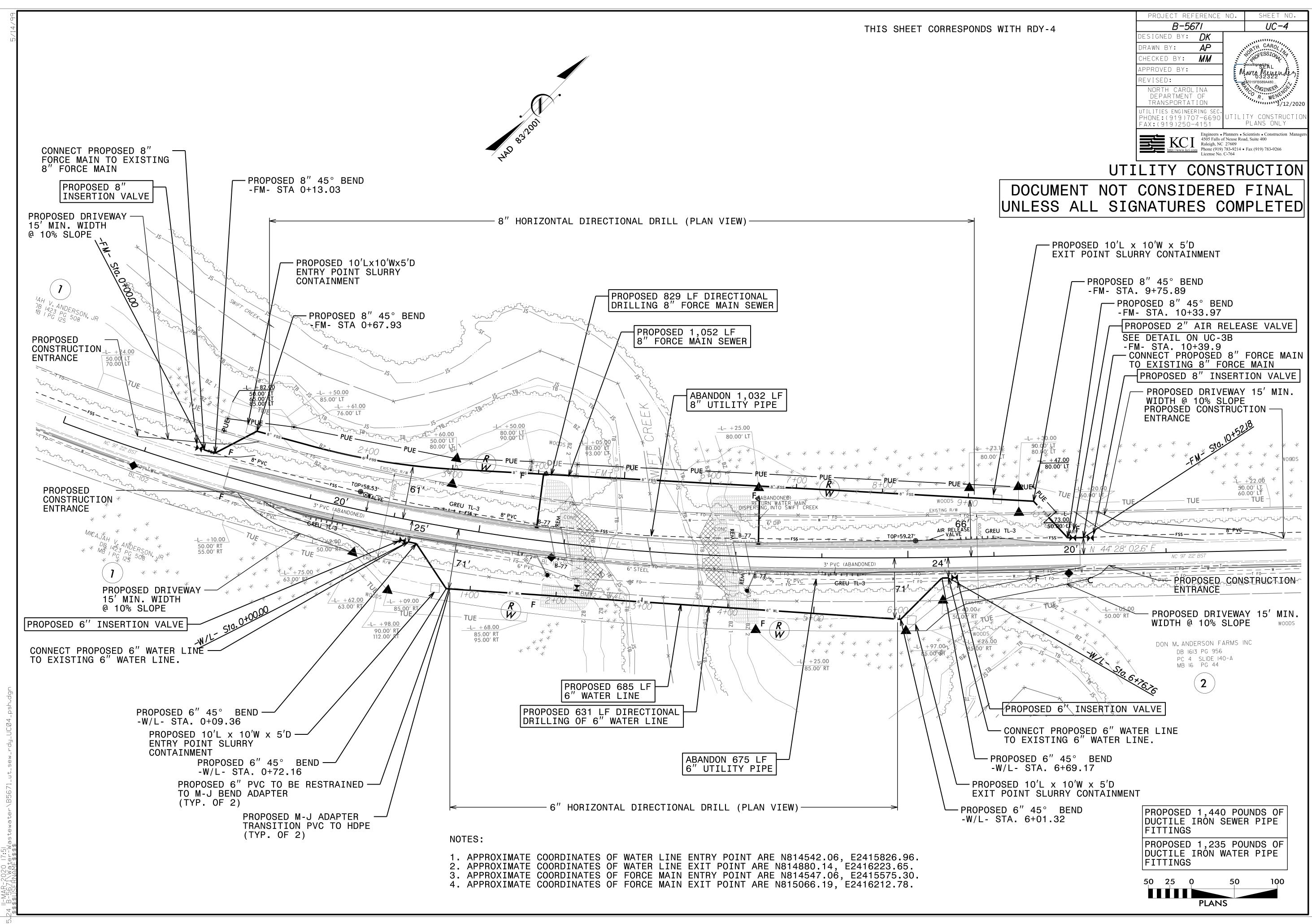


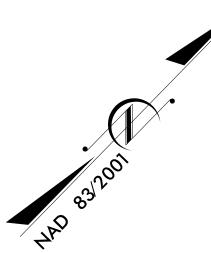












1.	APPROXIMATE	COORDINATES	0F	WATER	LINE	ENTRY POINT ARE N814542.06, E2415826.96.
						EXIT POINT ARE N814880.14, E2416223.65.
						ENTRY POINT ARE N814547.06, E2415575.30.
						EXIT POINT ARE N815066.19, E2416212.78.

