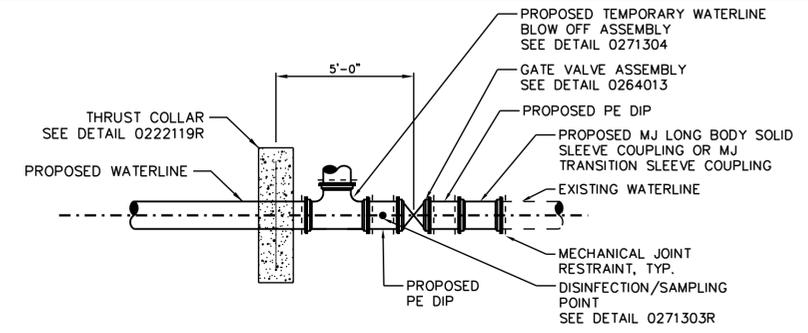


5/14/99

PROJECT REFERENCE NO.	SHEET NO.
U-3308	UC-3A
DESIGNED BY: KFC	
DRAWN BY: JGB	
CHECKED BY: KFC	
APPROVED BY: JJW	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY	

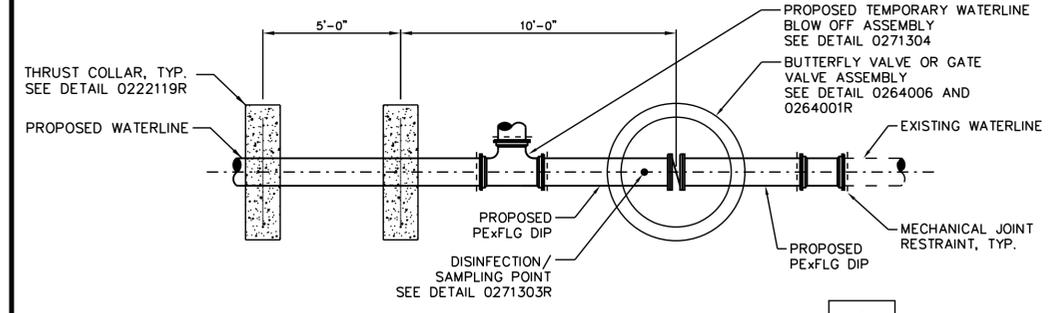
PREPARED IN THE OFFICE OF:  
**Kimley»Horn**  
 P.O. BOX 33068  
 RALEIGH, NORTH CAROLINA 27636-3068  
 PHONE: (919) 677-2000  
 FAX: (919) 677-2050  
 PE NO. F-0102

UTILITY CONSTRUCTION



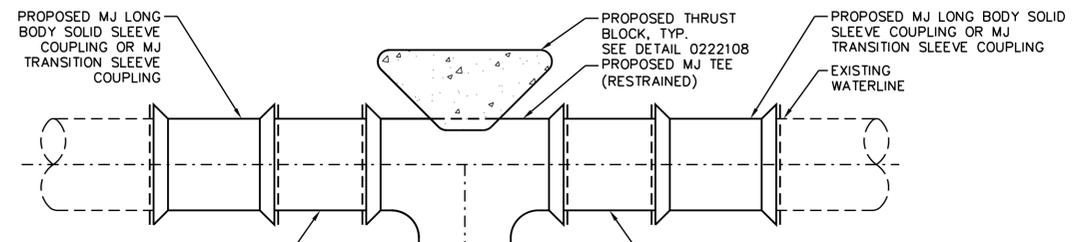
CONNECTION DETAIL NO. 1 (12" DIA AND LESS)  
 SCALE: NTS

1	UC-3A
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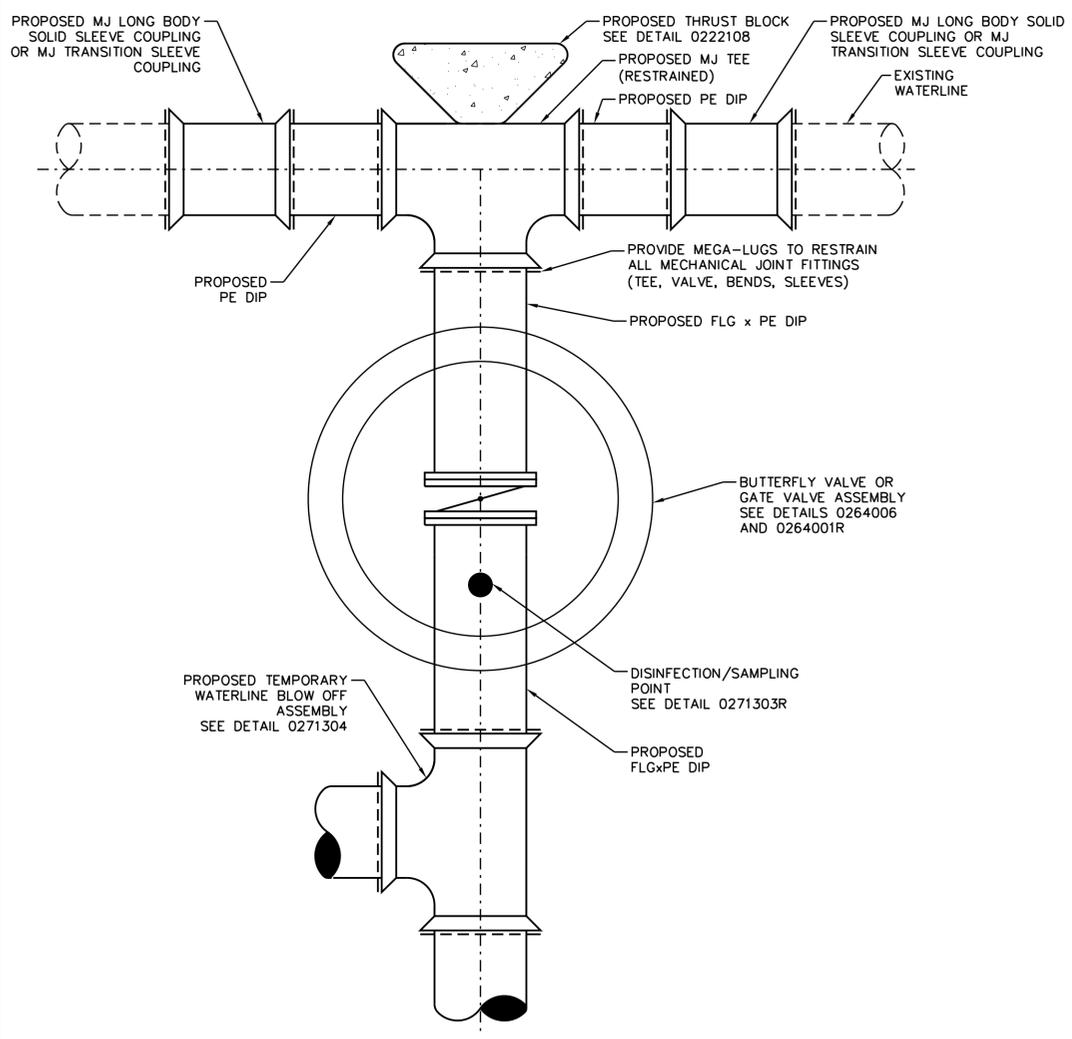
CONNECTION DETAIL NO. 2 (GREATER THAN 12" DIA)  
 SCALE: NTS

2	UC-3A
---	-------



CONNECTION DETAIL NO. 3 (12" DIA AND LESS)  
 SCALE: NTS

3	UC-3A
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CONNECTION DETAIL NO. 4 (GREATER THAN 12" DIA)  
 SCALE: NTS

4	UC-3A
---	-------

- NOTES:
1. THE CONTRACTOR SHALL FIELD VERIFY EXACT ELEVATION, LOCATION, ORIENTATION, DIMENSION, AND MATERIAL OF PIPING TO BE CONNECTED TO PRIOR TO ORDERING MATERIALS.
  2. THE CONTRACTOR SHALL PROVIDE A MEANS TO KEEP ALL NEW PIPING COMPLETELY ISOLATED FROM EXISTING PIPING UNTIL ALL NEW PIPING HAS BEEN TESTED, DISINFECTED, AND ACCEPTED BY NCDOT AND THE CITY OF DURHAM FOR SERVICE.
  3. DESIGN PRESSURE IS 350 PSI.
  4. 12" OF NCDOT NO. 67 STONE BEDDING SHALL EXTEND UNDER ENTIRE LENGTH OF DIP IN THE CONNECTION PAY ITEM LIMIT.
  5. ALL CONNECTION FITTINGS AND JOINTS SHALL BE RESTRAINED DIP USING MECHANICAL JOINT RESTRAINT.
  6. CONCRETE THRUST COLLARS SHALL BE PLACED AND CURED THREE DAYS PRIOR TO RE-PRESSURIZING THE PIPE.