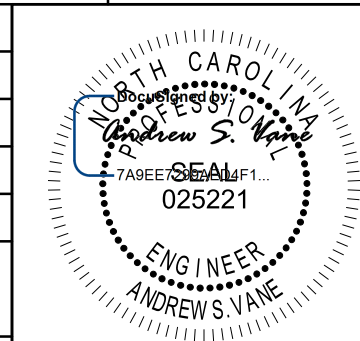


# UTILITY CONSTRUCTION

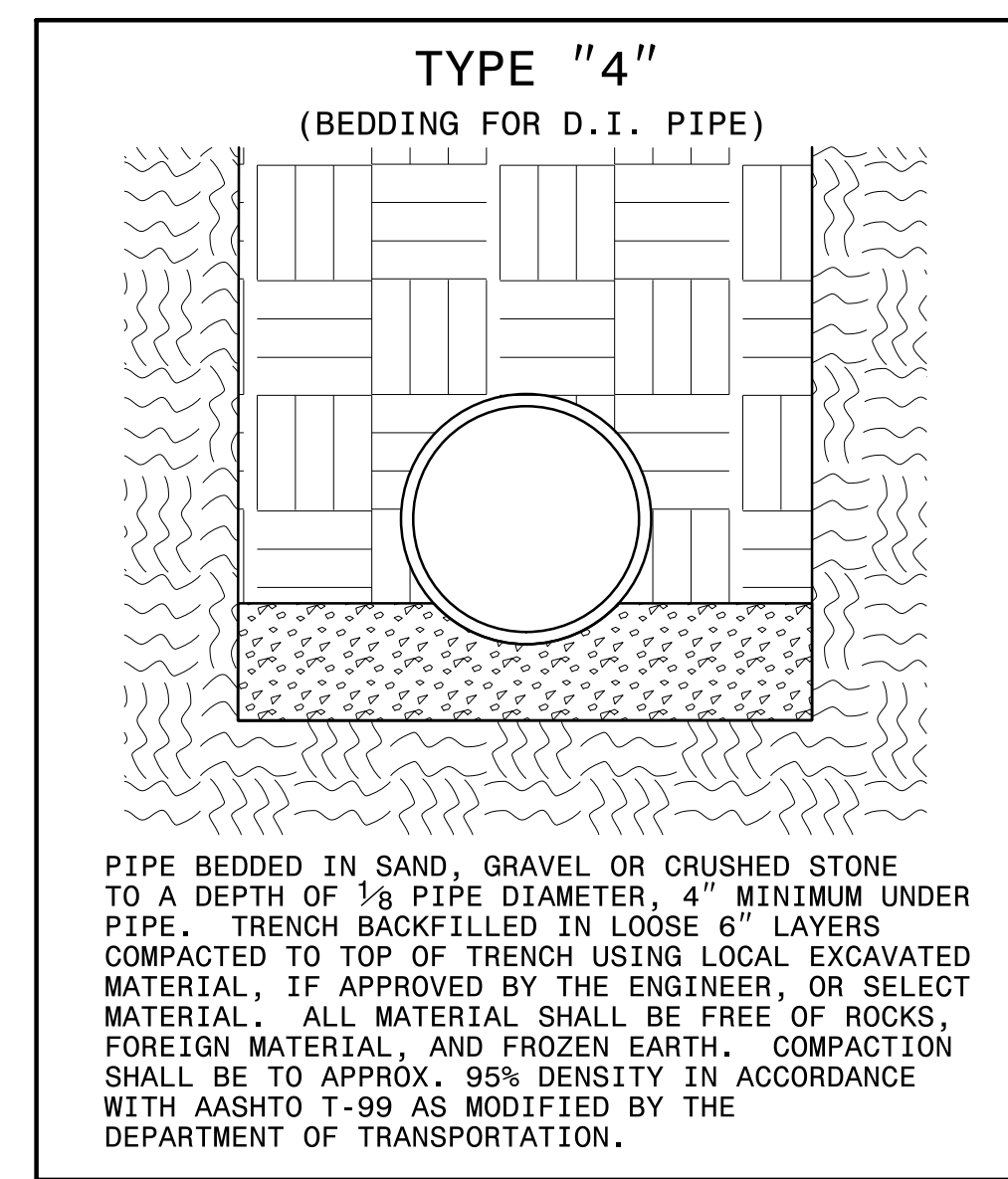
PROJECT REFERENCE NO. <b>B-5808</b>	SHEET NO. <b>UC-3A</b>
DESIGNED BY: <b>NKA</b>	
DRAWN BY: <b>NKA</b>	
CHECKED BY: <b>ASV</b>	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	1/11/2023
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	UTILITY CONSTRUCTION PLANS ONLY

## UTILITY CONSTRUCTION

**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**



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NC License Number F-0991



**MAXIMUM TRENCH WIDTH  
AT TOP OF PIPE**

NOMINAL PIPE SIZE (INCHES)	TRENCH WIDTH (INCHES)	NOMINAL PIPE SIZE (INCHES)	TRENCH WIDTH (INCHES)
4	28	20	44
6	30	24	48
8	32	30	54
10	34	36	60
12	36	42	66
14	38	48	72
16	40	54	78
18	42		

## LIST OF CITY OF CONCORD STANDARD DETAILS

- DIRECT BURY BUTTERFLY VALVE INSTALLATION
- 2-INCH COMMERCIAL WATER SERVICE METER
- 3/4-INCH AND 1-INCH IRRIGATION OR COMMERCIAL WATER SERVICE METER
- 3/4-INCH AND 1-INCH RESIDENTIAL WATER SERVICE METER
- TYPICAL AIR RELEASE
- BLOW-OFF ASSEMBLY
- FIRE HYDRANT
- TYPICAL VALVE BOX
- TYPICAL ANCHOR BLOCK
- TYPICAL UTILITY LAYOUT
- RELATION OF WATER MAINS TO SEWER MAINS
- RELATION OF WATER MAINS AND SEWER MAINS TO STORM SEWER
- DOGHOUSE CONCRETE MANHOLE

## LIST OF WSACC STANDARD DETAILS

- W3.0 RELATION OF WATER MAINS TO SANITARY SEWER MAINS
- W4.0 RELATION OF WATER MAINS AND SANITARY SEWER MAINS TO STORM SEWERS
- WS1.0 EMBEDMENTS FOR MAIN
- M1.0 ENCASEMENT PIPE UNDER HIGHWAYS AND RAILROADS
- M2.0 CASING SPIDER DETAIL
- S4.0 DROP MANHOLE DETAIL
- WS1.0 PIPE BEDDING DETAIL

