DocuSign Envelope ID: 7CE6EBDC-47A1-4B70-A213-4BE0BA2C4004

5/14/99

PROJECT REFERENCE NO.	SHEET NO.
17BP.3.C.2	UC-3A

DESIGNED BY: SHF
DRAWN BY: SHF
CHECKED BY: KCZ
APPROVED BY: KCZ
REVISED:

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

UTILITIES ENGINEERING SEC.
PHONE:(919)707-6690
FAX:(919)250-4151

NORTH CAROLINA PROFESSIONAL SEAL 027661 ENGINEER KEVIN C. ZOEBI

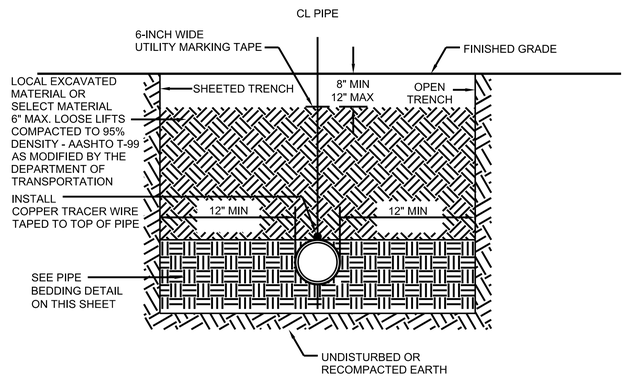
DocuSigned by: Kevin C. Zoebi
5/21/2018 3:35:34 PM EDT

UTILITY CONSTRUCTION PLANS ONLY

UTILITY CONSTRUCTION

M A Engineering Consultants, Inc.
598 East Chatham Street - Suite 137
Cary, NC 27511
Phone: 919.297.0220 Fax: 919.297.0221
NC License: F-0160

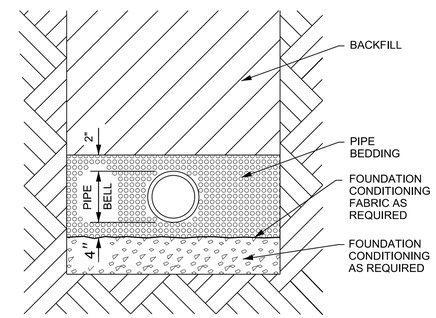
DOCUMENT NOT CONSIDERED FINAL UNTIL ALL SIGNATURES ARE COMPLETED



RECOMMENDED OPEN TRENCH WIDTH AT TOP OF PIPE	
NOMINAL PIPE SIZE (INCHES)	TRENCH WIDTH (INCHES)
4	29
6	31
8	33
10	35
12	37
14	40
16	42
18	44

GENERAL TRENCH DETAIL

NOT TO SCALE



NOTES:
1. IF REQUIRED, PLACE FOUNDATION CONDITIONING MATERIAL BELOW BEDDING AS DIRECTED BY ENGINEER.
2. PIPE BEDDING SHALL BE SELECT MATERIAL, EITHER CLASS II (TYPE 1) OR CLASS III, AS PER SECTION 1016.
3. TRENCH SHALL BE BACKFILLED IN LOOSE 6" LAYERS COMPACTED TO TOP OF TRENCH USING LOCAL EXCAVATED MATERIAL IF APPROVED BY THE ENGINEER, OR SELECT MATERIAL.
3. LOCAL EXCAVATED MATERIAL IS DEFINED AS NATIVE SOIL EXCAVATED FROM THE TRENCH THAT IS FREE OF: ROCKS; FOREIGN MATERIAL; AND FROZEN EARTH.
4. COMPACTION SHALL BE TO APPROXIMATELY 95% DENSITY IN ACCORDANCE WITH AASHTO T-99 AS MODIFIED BY THE DEPARTMENT OF TRANSPORTATION.

PIPE BEDDING DETAIL

NOT TO SCALE

5/10/2018
3:44:32 PM
Y:\Ic\UE\Engineer\JOBS\0696\026\13100 Village Point Rd\UC\Proj\17BP3C2_ut_UC-03A_det.dgn