Stantec Consulting Services Inc. 521 E. Morehead St Suite 425 Charlotte, NC 28202 Tel. (704) 329-0900 Fax. (704) 329-0905 www.stantec.com

PROJECT REFERENCE NO. SHEET NO. W-5710X UC-3A ESIGNED BY: TK ΤK DRAWN BY: CHECKED BY: XMD SEAL APPROVED BY: REVISED: NORTH CAROLINA DEPARTMENT OF

TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919)707-6690 UTILITY CONSTRUCTION FAX: (919)250-4151 PLANS ONLY UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

1 Glenwood Avenue Raleigh, NC 27603 TRANSYSTEMS Raleigh, NC 27603
Tel:919.789.9977
Fax:919.789.9591 Fax:919.789.9591 License: F-0453

License No. F-0672

TYPE "4" (BEDDING FOR D.I. PIPE) TO A DEPTH OF 1/8 PIPE DIAMETER, 4" MINIMUM UNDER PIPE. TRENCH BACKFILLED IN LOOSE 6" LAYERS COMPACTED TO TOP OF TRENCH USING LOCAL EXCAVATED MATERIAL, IF APPROVED BY THE ENGINEER, OR SELECT

MATERIAL. ALL MATERIAL SHALL BE FREE OF ROCKS, FOREIGN MATERIAL, AND FROZEN EARTH. COMPACTION SHALL BE TO APPROX. 95% DENSITY IN ACCORDANCE

WITH AASHTO T-99 AS MODIFIED BY THE

DEPARTMENT OF TRANSPORTATION.

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

PROJECT TYPICAL DETAILS

SANITARY SEWER MANHOLE SUMMARY STRUCTURE | INNER Ø [ft] | FRAME TYPE | COVER SSMH-1 SSMH-2 SSMH-3 4 Α SSMH-4 SSMH-5 SSMH-6 SSMH-7 SSMH-8 SSMH-9 Α SSMH-10



