LIST OF STANDARD DRAWINGS

1515.01 WATER METER

1515.02 FIRE HYDRANT

1525.06 PRECAST CONCRETE SANITARY

SEWER MANHOLE WITH **CAST-IN-PLACE BOTTOM** NOT TO SCALE

HINDE ENGINEERING License No. C-2639 401 Harrison Oaks Blvd., Suite 220 Cary, NC 27513

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

FOUNDATION CONDITIONING FABRIC AS REQUIRED

FOUNDATION CONDITIONING AS REQUIRED

WATER AND SEWER PLANS

TRENCH DETAIL

COMPACTION SHALL BE TO APPROXIMATELY 95% DENSITY IN ACCORDANCE WITH AASHTO T-99 AS MODIFIED BY THE

DEPARTMENT OF TRANSPORTATION.

PROJECT REFERENCE NO. SHEET NO. U-5839 UC-3A DESIGNED BY: JKC ASW DRAWN BY: CHECKED BY: CLS APPROVED BY: CDB REVISED: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC PHONE: (919)707-6690 UTILITY CONSTRUCTION FAX: (919)250-4151 PLANS ONLY

UTILITY CONSTRUCTION

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				

RENCH WIDTH OF PIPE		BACKFILL
NOMINAL PIPE SIZE (INCHES) 20 24 30 36 42 48 54	TRENCH WIDTH (INCHES) 44 48 54 60 66 72 78	PIPE BEDDING POUNDATION CONDITIONING MATERIAL BELOW BEDDING IF REQUIRED PIPE BEDDED IN SELECT MATERIAL, CLASS II (TYPE 1) OR CLASS III. TRENCH BACKFILLED IN LOOSE 6" LAYERS COMPACTED TO TOP OF TRENCH USING LOCAL EXCAVATED MATERIAL. ALL MATERIAL SHALL BE FREE OF ROCKS, FOREIGN MATERIAL, AND FROZEN EARTH.
	NOMINAL PIPE SIZE (INCHES) 20 24 30 36 42 48	NOMINAL PIPE SIZE (INCHES) 20 44 24 48 30 54 36 60 42 66 48 72

PROJECT TYPICAL DETAILS



