

NOTES

EXCEPT AS MAY OTHERWISE BE SPECIFIED ON PLANS OR IN THE SPECIAL PROVISIONS, ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE 2018 N.C. DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES."

EXISTING PIPE AND PIPE EXTENSION DETAILS INDICATED ON THE PLANS ARE FROM THE BEST INFORMATION AVAILABLE. THIS INFORMATION IS SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR SHALL HAVE NO CLAIM WHATSOEVER AGAINST THE DEPARTMENT OF TRANSPORTATION FOR ANY DELAYS OR ADDITIONAL COST INCURRED BASED ON DIFFERENCES BETWEEN THE EXISTING PIPING AND EXTENSION DETAILS SHOWN ON THE PLANS AND THE ACTUAL CONDITIONS AT THE PROJECT SITE.

THE DISTANCES AND ELEVATIONS ARE DERIVED FROM THE THE BEST INFORMATION AVAILABLE. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE DIAMETER, SPACING, SLOPE AND ELEVATION OF THE EXISTING PIPES.

THE CONTRACTOR SHALL VERIFY THAT THE PROPOSED PIPE EXTENSION LENGTH IS ADEQUATE TO ACCOMODATE THE PROPOSED WIDTH OF THE SHORELINE.

THE CONTRACTOR SHALL VERIFY THAT THE PROPOSED PIPE IS ALIGNED PARALLEL WITH AND ON A SIMILAR SLOPE TO THE EXISTING PIPE PRIOR TO CASTING THE PIPE COLLAR. SECURE THE PIPES BEFORE CONCRETE PLACEMENT TO PROHIBIT PIPE MOVEMENT.

THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THE PRECAST PIPE COLLARS WILL FIT THE PROPOSED PIPES.

ALL REINFORCING STEEL SHALL BE GRADE 60 EPOXY COATED.

ALL BAR SUPPORTS USED SHALL BE EPOXY COATED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

MAINTAIN 3" MIN. CL. TO ALL REINFORCING STEEL UNLESS OTHERWISE SPECIFIED.

CHAMFER ALL CORNERS 3/4".

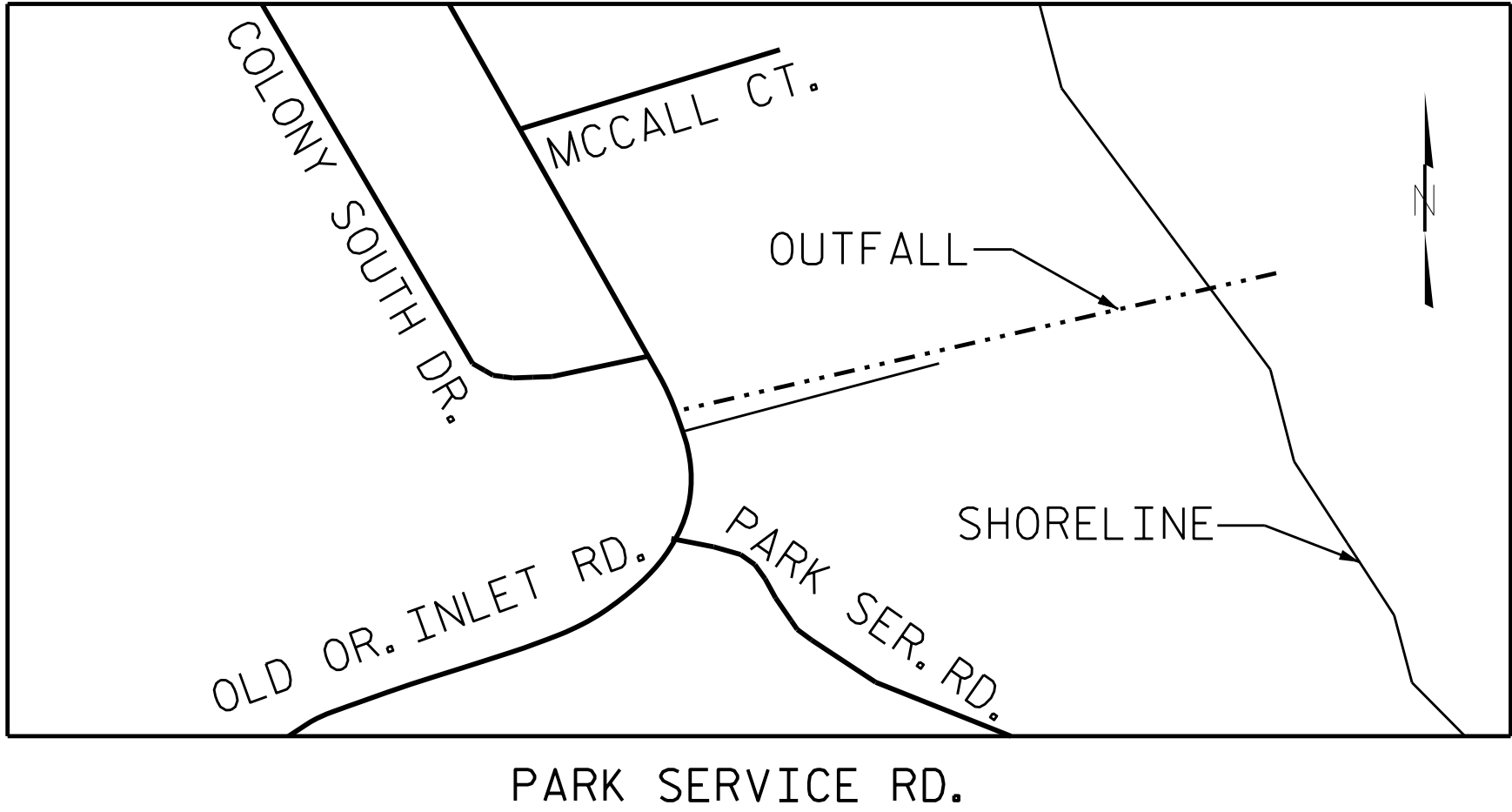
PROPOSED POLYETHYLENE PIPE TO BE ISCO SNAP-TITE PIPE OR EQUIVALENT.

PLACE PILES SO AS TO MAINTAIN SLOPE OF THE EXISTING PIPE.

CONTRACTOR SHALL SUPPLY PILE COLLAR TO MAINTAIN GROUT VOID BETWEEN PRE-CAST CAP AND PILE.

STAINLESS STEEL ROD ASSEMBLIES SHALL BE GRADE 316; TIGHTEN ALL ASSEMBLIES TO SNUG-TIGHT CONDITION AND BURR THREADS AFTER INSTALLATION.

THE CONCRETE IN THE PIPE COLLARS SHALL CONTAIN SILICA FUME. SILICA FUME SHALL BE SUBSTITUTED FOR 5% OF THE PORTLAND CEMENT BY WEIGHT. IF THE OPTION OF ARTICLE 1024-1 OF THE STANDARD SPECIFICATIONS TO PARTIALLY SUBSTITUTE CLASS F FLY ASH FOR PORTLAND CEMENT IS EXERCISED, THEN THE RATE OF FLY ASH SUBSTITUTION SHALL BE REDUCED TO 1.0 LB OF FLY ASH PER 1.0 LB OF CEMENT. NO PAYMENT WILL BE MADE FOR THIS SUBSTITUTION AS IT IS CONSIDERED INCIDENTAL TO THE COST OF THE PRECAST PILE CAPS.



VICINITY MAP

GROUT NOTES

USE GROUT THAT IS A COMMERCIALLY MANUFACTURED NON-SHRINK, NON-METALLIC MATERIAL MEETING THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS WHEN WATER OR WATER AND AGGREGATE IS ADDED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

THE GROUT SHALL BE FREE OF SOLUBLE CHLORIDES AND CONTAIN LESS THAN 1% SOLUBLE SULFATE.

INITIAL SETTING TIME SHALL NOT BE LESS THAN 10 MINUTES WHEN TESTED IN ACCORDANCE WITH ASTM C266.

COMPRESSIVE STRENGTH SHALL BE AT LEAST 5000 PSI AT 3 DAYS.

COMPRESSIVE STRENGTH IN THE LABORATORY WILL BE DETERMINED IN ACCORDANCE WITH ASTM C109 EXCEPT THAT THE TEST MIX SHALL CONTAIN ONLY WATER AND THE DRY MANUFACTURED MATERIAL. COMPRESSIVE STRENGTH WILL BE DETERMINED IN THE FIELD BY MOLDING AND TESTING 4" X 8" CYLINDERS IN ACCORDANCE WITH AASHTO T22.

WHEN TESTED IN ACCORDANCE WITH ASTM C666, PROCEDURE A, THE DURABILITY FACTOR OF THE GROUT SHALL NOT BE LESS THAN 80.

THE QUALITY OF WATER ADDED TO THE MIX SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

AGGREGATE MAY BE ADDED TO THE MIX ONLY WHERE RECOMMENDED OR PERMITTED BY THE MANUFACTURER. THE QUANTITY AND GRADATION OF THE AGGREGATE WILL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

FURNISH A TYPE 4 MATERIAL CERTIFICATION SHOWING RESULTS OF TESTS CONDUCTED TO DETERMINE THE PROPERTIES LISTED IN THE STANDARD SPECIFICATIONS AND TO ASSURE THAT THE MATERIAL IS NON-SHRINK.

THE ENGINEER RESERVES THE RIGHT TO REJECT MATERIAL BASED ON UNSATISFACTORY PERFORMANCE.

DARE COUNTY



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
GENERAL NOTES
AND
VICINITY MAPS

DRAWN BY : G.W. DICKEY DATE : 4/18
CHECKED BY : T. SHERRILL DATE : 4/18

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S-1
2			4			TOTAL SHEETS 5