PROJECT REFERENCE NO.	SHEET NO.
R-5206	OSM-3
RW SHEET NO.	

PROJECT ENGINEER
6/10/2015
NORTH CAROLINA PROFESSIONAL SEAL 22568 ENGINEER STEVEN L. SCOTT
Steve Scott

REVISIONS

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STREAM GEOMETRY

	PROPOSED ALIGNMENT STREAM RELOCATION					ARC CENTER	
	STATION	NORTHING	EASTING	RADIUS		NORTHING	EASTING
PT	10+00	623424.803	752995.588				
PC	10+52.96	623474.22	752976.53	35'		623482.50	752971.97
PT	10+71.90	623489.25	752965.38				
PC	11+60.82	623542.33	752877.64	40'		623545.94	752888.05
PT	11+74.82	623548.58	752881.58				
PC	12+40.42	623567.30	752818.71	30'		623577.53	752803.67

SUMMARY OF QUANTITIES

ITEM NUMBER	SEC	QUANTITIES	QUANTITY	UNIT
0000100000-N	800	MOBILIZATION	1.00	LS
6133000000-N	SP	GRADING FOR MITIGATION (WASTE #C.Y.)	1.00	LS
6133000000-N	SP	CONSTRUCTION SURVEYING FOR MITIGATION	1.00	LS
1077000000-E	SP	#57 STONE	35.00	TON
3628000000-E	876	RIP RAP CLASS I	27.00	TON
3642000000-E	876	RIP RAP CLASS A	56	TON
3649000000-E	876	RIP RAP CLASS B	12	TON
3656000000-E	876	GEOTEXTILE FOR DRAINAGE TYPE 2	345.00	SY
6133000000-N	SP	PUMP AROUND OPERATION	1.00	LS
3651000000-E	SP	BOULDERS	245.00	TON
6012000000-E	1610	SEDIMENT CONTROL STONE	1.00	TON
6070000000-N	1639	SPECIAL STILLING BASIN	1.00	EA
6084000000-E	1660	SEEDING AND MULCHING	0.35	AC
6015000000-E	1615	TEMPORARY MULCHING	0.35	AC
6126000000-E	SP	STREAMBANK REFORESTATION	0.51	AC

STRUCTURE TABLE

#	STRUCTURE	STATION	INVERT ELEVATION
1	CROSS VANE	10+16.00	2155.89
2	CROSS VANE	10+43.95	2154.89
3	CROSS VANE	10+92.9	2153.39
4	CROSS VANE	11+14.90	2152.39
5	CROSS VANE	11+57.8	2151.28
6	CROSS VANE	11+79.80	2150.47
7	CROSS VANE	12+20.9	2149.25
8	CROSS VANE	12+44.90	2148.51

NOTE:

1. STATION REFERS TO THE UPSTREAM END OF THE VANE ARM OR THE INVERT OF THE HEADER ROCK IN THE CENTER OF THE CHANNEL ON CROSS VANES.
2. INVERT ELEVATION REFERS TO THE STREAMBED PROFILE ELEVATION AT THE CORRESPONDING STATION. WHICH IS THE ELEVATION THAT THE VANE INTERSECTS THE STREAMBED.

EARTHWORK SUMMARY

IN CUBIC YARDS

STREAM RELOCATION EXCAV. (CU.YD.)	FILL (CU.YD.)	WASTE (CU.YD.)
744	21	723

NOTE:

FILL QUANTITY IS IN ADDITION TO THAT REQUIRED FOR ROADWAY WORK.