


5/14/99

PROJECT REFERENCE NO.	SHEET NO.
U-2579BA	STREAM - 2D-4
R/W SHEET NO.	
	
421 FAYETTEVILLE STREET, SUITE 600 RALEIGH, NC 27601	
RIGHT-OF-WAY REV.	
CONST. REV.	

SUMMARY OF QUANTITIES FOR STREAM RELOCATION

ITEM NUMBER	SECTION	ITEM DESCRIPTION	UNIT	QUANTITY
0223000000-E	275	ROCK PLATING	SY	3750
1077000000-E	SP	#57 STONE	TONS	390
3628000000-E	876	CLASS I RIP RAP	TONS	450
3635000000-E	876	CLASS II RIP RAP	TONS	110
3642000000-E	876	CLASS A RIP RAP	TONS	1800
3649000000-E	876	CLASS B RIP RAP	TONS	220
3651000000-E	SP	BOULDERS	TONS	1000
3656000000-E	876	GEOTEXTILE FOR DRAINAGE	SY	2680
6037000000-E	SP	COIR FIBER MAT	SY	19400
6084000000-E	1660	SEEDING AND MULCHING	ACRE	9
6126000000-E	SP	STREAMBANK REFORESTATION	ACRE	9
6133000000-N	SP	GENERIC EROSION CONTROL ITEM - SURVEYING FOR MITIGATION	LS	1
6133000000-N	SP	GENERIC EROSION CONTROL ITEM - PUMP AROUND OPERATION	LS	1
6133000000-N	SP	GENERIC EROSION CONTROL ITEM - STREAM INTAKE VAULT	LS	1
6135000000-E	SP	GENERIC EROSION CONTROL ITEM - COMPOST BLANKET	ACRE	5
6138000000-E	SP	GENERIC EROSION CONTROL ITEM - IMPERVIOUS SELECT MATERIAL	CY	700
6138000000-E	SP	GENERIC EROSION CONTROL ITEM - UNCLASSIFIED FOR STREAM RELOCATION	CY	34000
6138000000-E	SP	GENERIC EROSION CONTROL ITEM - UNDERCUT FOR STREAM RELOCATION	CY	13000
6138000000-E	SP	GENERIC EROSION CONTROL ITEM - BORROW FOR STREAM RELOCATION	CY	25000
6138000000-E	SP	GENERIC EROSION CONTROL ITEM - DAM EMBANKMENT EARTH FILL	CY	4850
6138000000-E	SP	GENERIC EROSION CONTROL ITEM - BLANKET DRAIN	CY	1350
6141000000-E	SP	GENERIC EROSION CONTROL ITEM - TYPE 2 GEOTEXTILE	SY	1050
6147000000-E	SP	GENERIC EROSION CONTROL ITEM - TOE WOOD PROTECTION	LF	400
6900000000-E	SP	TOPSOIL	CY	3600

SUMMARY OF EARTHWORK FOR STREAM RELOCATION

STREAM UNCLASSIFIED EXCAV. (CY)	STREAM UNDERCUT EXCAV. (CY)	STREAM UNSUITABLE MATERIAL (CY)	STREAM EMBANKMENT (CY)	STREAM BORROW (CY)
33748	13000	10124	35459	24835
SAY				
34000	13000			25000

SEE SHEET 3B-1 FOR ROADWAY EARTHWORK SUMMARY

MITIGATION UNDERCUT EXCAVATION ESTIMATES ARE BASED ON LIMITED GEOTECHNICAL INVESTIGATION WITHIN THE POND BEDS. PROBE RODS WERE UTILIZED TO APPROXIMATE SOFT MATERIAL DEPTHS WITHIN VARIOUS LOCATIONS IN THE DRAINED POND BEDS. DEPTHS VARIED FROM 6" TO 48" WITH DEEPER AREAS CLOSER TO THE THALWEG OF THE PONDS. CONSIDERING THE REQUIRED EXCAVATION WITHIN PONDS, AN AVERAGE UNDERCUT DEPTH OF 12" WAS ESTIMATED. THIS NUMBER MAY BE MORE OR LESS AT THE TIME OF CONSTRUCTION BASED ON CURRENT POND CONDITIONS.

UNSUITABLE MATERIAL WAS CALCULATED ASSUMING APPROXIMATELY 30% OF UNCLASSIFIED EXCAVATION IS UNSUITABLE FOR EMBANKMENT.