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nbpeaks

REVISIONS

CONSTRUCTION SEQUENCE

The Contractor is responsible for following the sequence of construction in accordance with the plans and provisions, as directed by the Engineer. Construction shall proceed in the following manner unless otherwise directed by the Engineer.

The length of stream that is isolated as a daily work area is left to Contractor's discretion in accordance with the following provisions:

1. All project operations will comply with the provided Sediment and Erosion Control Plan.
2. The project consists of three stream reaches (Reaches M1, UT1, and UT2). Once work begins on a stream reach, the Contractor must complete that site before moving work crews and equipment to a different stream reach.
3. Before water is turned into the new channel, each reach of stream must be a completed work product, i.e. all bank and channel modifications, including excavation, grading, fill, seeding and mulching and matting, as directed by the engineer.

The following general provisions will apply to each stream reach:

1. Layout location of the new stream channel, construction easement limits, and set grade stakes. The Engineer must inspect and approve all layout work before construction may begin.
2. Mobilize equipment and materials to the site.
3. Set up staging areas, construction entrances, and safety fences.
4. Open construction area shall be minimized - the Contractor shall apply temporary seed and mulch to any disturbed areas by the end of each work day and not begin more work than can be completed in a day.
5. The Contractor shall work in the dry. Pump-around operations will be required.
6. Apply mulch, temporary, and permanent seeding as work areas are completed and approved by the Engineer.
7. Repair construction entrances and demobilize equipment from the site.

The following provisions are provided for each stream site:

Reach M1

1. Contractor shall begin by excavating bench limits as indicated on the plans.
2. Install pump-around operations as required to construct new channel and in-stream structures in the dry.
3. Beginning at the upstream end of the reach, begin installing structures and stabilizing banks as indicated on the plans.
4. Contractor shall install the culvert crossings as specified on the plans at approximate stations 22+00 and 24+73.
5. Remove pump-around operations and ensure compliance with the sediment and erosion control plan prior to leaving the site.

Reach UT1

1. Contractor shall begin by excavating grading limits as indicated on the plans.
2. Reconstruct valley topography as indicated on the plans.
3. Contractor shall install the culvert crossing as specified on the plans at approximate station 11+76.
4. Remove equipment and ensure compliance with the sediment and erosion control plan prior to leaving the site.

Reach UT2

1. Contractor shall begin by excavating grading limits as indicated on the plans.
2. Reconstruct valley topography as indicated on the plans.
3. Contractor shall install the culvert crossings as specified on the plans at approximate station 16+95.
4. Remove equipment and ensure compliance with the sediment and erosion control plan prior to leaving the site.

SUMMARY OF QUANTITIES

0000100000-N	800	1	LS	Mobilization/ Demobilization
6133000000-N	SP	1	LS	Construction Surveying for Mitigation
6133000000-N	SP	1	LS	Site Grading
0995000000-E	340	235	LF	Pipe Removal
0234000000-E	SP	7200	CY	Impervious Select Material
0420000000-E	310	72	LF	RC Pipe Culvert Crossing (66 Inch) - Class III
0396000000-E	310	88	LF	RC Pipe Culvert Crossing (42 Inch) - Class III
0390000000-E	310	240	LF	RC Pipe Culvert Crossing (36 Inch) - Class III
0360000000-E	310	48	LF	RC Pipe Culvert Crossing (12 Inch) - Class III
2209000000-E	838	21	CY	Endwalls
2220000000-E	838	54	CY	Reinforced Endwalls
3656000000-E	876	7600	SY	Geotextile for Drainage
1121000000-E	520	2980	TON	Aggregate Base Course (ABC Stone)
1077000000-E	876	71	TON	No. 57 Stone
3642000000-E	876	75	TON	Plain Rip Rap, Class A
3649000000-E	876	150	TON	Plain Rip Rap, Class B
3628000000-E	876	36	TON	Plain Rip Rap, Class I
3651000000-E	SP	100	TON	Boulders
6006000000-E	1610	175	TON	Stone for Erosion Control Class A
6009000000-E	1610	282	TON	Stone for Erosion Control Class B
6006000000-E	1610	360	TON	Sediment Control Stone
6133000000-N	SP	1	LS	Diversiion Pumping
6132000000-N	SP	30	EACH	Log Vane
6141000000-N	SP	14350	SY	Coir Fiber Mat
6038000000-E	SP	290	SY	Permanent Soil Reinforcement Matting
6036000000-E	1631	1500	SY	Matting for Erosion Control
6000000000-E	1605	20350	LF	Temporary Silt Fence
6070000000-N	1639	15	EACH	Special Stilling Basin
6030000000-E	1630	300	CY	Silt Excavation
6042000000-E	1632	345	LF	1/4" Hardware Cloth
6015000000-E	1615	35.5	AC	Temporary Mulching
6018000000-E	1620	3400	LBS	Seed for Temporary Seeding
6021000000-E	1620	17	TON	Fertilizer for Temporary Seeding
6024000000-E	1622	100	LF	Temporary Slope Drains
6029000000-E	SP	200	LF	Safety Fence
6084000000-E	SP	21	AC	Seeding and Mulching
6135000000-E	SP	24	AC	Native Grass Seeding and Mulching
6087000000-E	1660	30	AC	Mowing
6114500000-N	1667	10	MHR	Specialized Hand Mowing
6090000000-E	1661	400	LBS	Seed for Repair Seeding
6093000000-E	1661	1	TON	Fertilizer for Repair Seeding

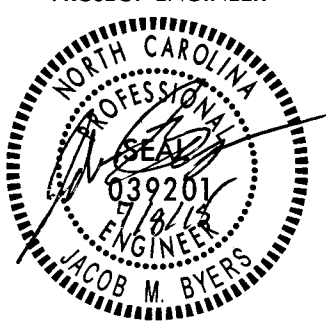
EARTHWORK SUMMARY FOR MITIGATION
ALL UNITS IN CUBIC YARDS

Line	Station	Station	Mitigaiton Excavation		Mitigation Embankment		Mitigation Borrow	Mitigation Total Waste
			Total Unclass.	Suitable Unclass.	Total Embankment	Embankment + 25%		
Reach UT1	10+05	12+51	8404	8404	13	16	0	8388
UT 1 Farm Road	10+00	11+64	116	116	569	711	595	0
Reach UT2	11+70	17+24	22494	22494	1886	2358	0	20137
UT 2 Farm Road	10+00	11+84	129	129	636	795	666	0
Reach M1	10+00	36+68	126300	126300	25502	31878	0	94423
M1 Farm Road	10+00	20+27	726	726	3547	4434	3708	0
Total			158169	158169	32153	40190	4968	122945
Waste in lieu of borrow							-4968	
Grand Total				158169	32153	40190	0	117977
Say				158500	32500	40500	0	118500


PROJECT REFERENCE NO.
R-2554NM

SHEET NO.
OSM-3

PROJECT ENGINEER



PROJECT ENGINEER

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