
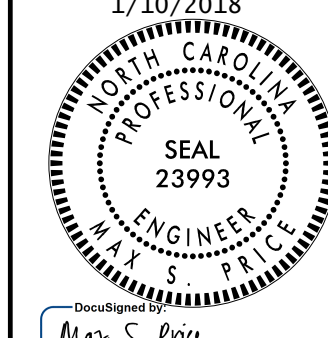


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS



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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO. <i>U-2525C</i>	SHEET NO. <i>2D-8</i>
RW SHEET NO.	
HYDRAULICS ENGINEER 1/10/2018	
	
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>	

SUMMARY OF EARTHWORK
(for Stormwater BMP's)

ITEM DESCRIPTION	UNIT	QUANTITY									PROJECT TOTALS
		BASIN 1	BASIN 2	BASIN 3	BASIN 4	BASIN 5	BASIN 6	BASIN 7	BASIN 8	BASIN 9	
BASIN EXCAVATION	CY	1360	2480	1615	4125	1420	1350	6130	6300	6940	31720
BASIN BORROW	CY	0	0	0	0	0	270	0	0	0	270
BASIN WASTE	CY	1100	2240	1615	3680	1420	0	5860	6055	6710	28680
BASIN CLEARING AND GRUBBING	ACR	0.21	0.01	0	0.47	0.22	0.47	0.38	0.23	0.62	2.61

NOTES

ITEMS ARE INCLUDED IN PAY ITEMS FOR MEDIA FILTER BASIN AND DRY DETENTION BASIN.

SUMMARY OF BASIN COMPONENT ITEMS
(for Stormwater BMP's)

ITEM DESCRIPTION	UNIT	QUANTITY									PROJECT TOTALS
		BASIN 1	BASIN 2	BASIN 3	BASIN 4	BASIN 5	BASIN 6	BASIN 7	BASIN 8	BASIN 9	
PERIMETER DRAIN EXCAVATION	CY	-	125	-	-	-	-	130	-	-	255
GEOTEXTILE FILTER FABRIC (TYPE 1)	SY	-	140	-	-	-	-	150	-	-	290
PERIMETER DRAIN PIPE, 4" CONTINUOUS PERFORATED (PVC)	LF	-	275	-	-	-	-	295	-	-	570
NO. 57 STONE FOR PERIMETER DRAIN	CY	-	10	-	-	-	-	10	-	-	20
30 mil IMPERMEABLE LINER	SY	585	670	-	-	-	840	950	640	-	3685
OUTLET CONTROL STRUCTURE BOX (840.45)	EA	1	1	1	1	1	1	1	1	1	9
CONCRETE PAD, 2' x 2' x 4" THICK	EA	1	1	1	1	1	1	1	1	1	9
STEEL ORIFICE PLATE, 8" x 8" x 1/4" THICK	EA	1	-	-	-	-	-	-	1	-	2
8" SLUICE GATE	EA	-	1	1	1	1	1	1	-	1	7
18" SLUICE GATE	EA	1	-	1	-	-	-	-	-	-	2
24" SLUICE GATE	EA	-	1	-	1	1	-	-	-	-	3
30" SLUICE GATE	EA	-	-	-	-	-	1	1	-	1	3
ORIFICE TRASH RACK *	EA	1	-	-	-	-	-	-	1	-	2
RISER TRASH RACK *	EA	1	1	1	1	1	1	1	1	1	9
GEOTEXTILE FOR DRAINAGE (TYPE 2, NON-WOVEN)	SY	-	475	465	545	460	570	850	-	755	4120
WASHED NO. 57 STONE	TON	-	115	115	140	115	140	225	-	195	1045
UNDERDRAIN PIPE - 6" HDPE PERFORATED	LF	-	170	235	285	185	245	390	-	360	1870
UNDERDRAIN PIPE - 6" HDPE NONPERFORATED	LF	-	5	5	5	5	5	5	-	5	35
6" HDPE WYE	EA	-	-	-	3	-	4	1	-	5	13
6" x 6" x 6" HDPE TEE	EA	-	2	2	1	2	-	5	-	-	12
6" HDPE 45-DEGREE BEND	EA	-	-	-	1	-	-	-	-	-	1
6" HDPE 90-DEGREE BEND	EA	-	-	-	1	1	-	-	-	1	3
6" CLEANOUT	EA	-	3	3	5	3	5	7	-	6	32
ENGINEERED SOIL MEDIA	CY	-	110	105	125	105	130	200	-	175	950
CONCRETE PAD, 2' x 2' x 6" THICK WITH TWO #3 HOOPS	EA	-	3	3	5	3	5	7	-	6	32
6" CLEANOUT CAP (THREADED)	EA	-	3	3	5	3	5	7	-	6	32
SOD, ZOYSIA, HALF-CUT	SY	475	550	550	590	610	765	880	570	840	5830
RIPRAP FOR SPILLWAY, CLASS B	TON	95	-	20	10	-	-	-	-	20	145
RIPRAP FOR SPILLWAY, CLASS I	TON	-	60	-	-	-	60	-	-	-	120

NOTE:

ITEMS ARE INCLUDED IN PAY ITEMS FOR MEDIA FILTER BASIN AND DRY DETENTION BASIN.