STA 79+54.13 :The disturbance activities for this location consist of minor grading associated with the roadway construction. BMP's as shown on the erosion control plans will be adquate to control sediment runoff at this location.the following BMP's will be utilized 1.Check dams,2.silt fence 3.slope mats

STA 93+60.63 :The disturbance activities for this location consist of minor grading associated with the roadway construction. BMP's as shown on the erosion control plans will be adquate to control sediment runoff at this location.the following BMP's will be utilized 1.Check dams,2.silt fence 3.slope mats

STA 100+60.74 :The disturbance activities for this location consist of minor grading associated with the roadway construction. BMP's as shown on the erosion control plans will be adquate to control sediment runoff at this location.the following BMP's will be utilized 1.Check dams,2.silt fence 3.slope mats

STA 106+61.17 :The disturbance activities for this location consist of minor grading associated with the roadway construction. BMP's as shown on the erosion control plans will be adquate to control sediment runoff at this location.the following BMP's will be utilized 1.Check dams,2.silt fence 3.slope mats

STA 126+80.94 :The disturbance activities for this location consist of minor grading associated with the roadway construction. BMP's as shown on the erosion control plans will be adquate to control sediment runoff at this location.the following BMP's will be utilized 1.Check dams,2.silt fence 3.slope mats

STA 134+83.54 :The disturbance activities for this location consist of minor grading associated with the roadway construction. BMP's as shown on the erosion control plans will be adquate to control sediment runoff at this location.the following BMP's will be utilized 1.Check dams,2.silt fence 3.slope mats

SEDIMENT STORAGE

The site has a total disturbed area of 52.73 acres. The following table summarizes the required and available sediment storage for every outfall on this project.The Contractor shall provide and maintain the storage volumes for the BMPs specified in this table.

In order to prevent runoff from bypassing inlet sediment traps,a temporary berm shall be installed on the downstream side of all inlet sediment traps that are not located in a low point or an excavated sump. Temporary berms,when necessary,shall be a minimum of 18" high and constructed in a manner that ensures stormwater does not bypass the inlet. The Contractor may submit alternate temporary containment berm designs to the Project Engineer for approval.

Outfall ID	Total Drainage Area (acres)	Required Sediment storage Volume (yd3)	Fabric ditch check		Rip Rap ditch checks		Total Volume Provided
			# of devices	Total Volume	# of devices	Total Volume	
Sta 0+00 Lt	1.15	77.05	20	82.4			82.4
Sta 0+00 Rt	1.07	71.69	21	86.52			86.52
Sta 13+38.92 Lt	1.95	46.16	6	49.16			49.16
Sta 13+38.92 Rt	1.95	49.38	7	54.14			54.14
Sta 24+71.68 Lt	1.77	58.96			29	75.4	75.4
Sta 24+71.68 Rt	1.77	65.66			26	67.6	67.6
Sta 34+43.63 Lt	1.99	44.48	8	70.8			70.8
Sta 34+43.63 Rt	1.99	59.76	7	61.95			61.95
Sta 40+23.60 Lt	2.13	23.31	5	44.25			44.25
Sta 40+23.60 Rt	2.13	55.21	7	61.95			61.95
Sta 44+36.95 Lt	1.45	32.76	9	33.81			33.81
Sta 44+36.95 Rt	1.45	32.09	9	33.81			33.81
Sta 47+28.43 Lt	2.02	25.46	4	39.44			39.44
Sta 51+93.81 Lt	3.16	39.39	6	40.02			40.81
Sta 51+93.81 Rt	3.16	49.44	18	50.91			50.91
Sta 61+77.90 Lt	5.56	73.7	18	75.82			75.82
Sta 61+77.90 Rt	5.56	68.34	26	69.94			69.94
Sta 79+54.13 Lt	6.64	87.1			16	137.11	137.11
Sta 79+54.13 Rt	6.64	100.5			39	102.61	102.61
Sta 93+60.63 Lt	1.56	23.45			3	42.93	42.93
Sta 93+60.63 Rt	1.56	27.47	2	71.92			71.92
Sta 100+60.74 Lt	2.08	42.88			7	43.27	43.27
Sta 100+60.74 Rt	2.08	53.6	6	75.36			75.36
Sta 106+61.17 Lt	.69	42.88	5	47.68			47.68
Sta 106+61.17 Rt	.69	44.22	7	55.16			55.16
Sta 134+83.54 Lt	1.87	53.6	8	65.16			65.16
Sta 134+83.54 Rt	1.87	49.58		51.88			51.88
Sta 142+00 Lt	.74	49.58	9	58.77			58.77
Sta 1142+00 Rt	.519	34.77	7	45.71			45.71

STORM DRAIN OUTLET PROTECTION

STATION	OFFSET	DESCRIPTION	DISCHARGE	VELOCITY	TAILWATER CONDITION	LENGTH OF APRON	WIDTH AT HEADWALL	DOWN STREAM WIDTH	AVERAGE STONE DIAMETER	STONE DEPTH
			(cfs)	(fps)		(La)	W1	W2	d50	D
13+43.92	71.77' LT	PROP 24" PIPE	16.6	5.3	MIN	13	*6	15	*1.5	*2.25
24+71.68	65.03' RT	PROP 18" PIPE	15	8.5	MIN	11.19	4.5	12.69	*1.5	*2.25
34+38.63	62.93' RT	PROP 24" PIPE	17	5.4	MIN	12.59	*6	14.59	*1.5	*2.25
40+18.60	56.13' RT	PROP 24" PIPE	18	5.7	MIN	12.38	*6	14.38	*1.5	*2.25
44+36.95	65.61' RT	PROP 18" PIPE	12	6.8	MIN	9.43	4.5	10.93	*1.5	*2.25
47+33.43	62.14' RT	PROP 24" PIPE	17	5.4	MIN	11.97	*6	13.97	*1.5	*2.25
52+13.99	60.25' RT	PROP 24" PIPE	27	8.6	MIN	13	*6	15	*1.5	*2.25
61+56.48	54.85' RT	2 PROP 24" PIPE	47	15.50	MIN	12.72	*6	14.72	*1.5	*2.25
79+54.13	121.33' RT	2 PROP 24" PIPE	56	8.9	MIN	12	*6	14	*1.5	*2.25
93+65.63	53.75' LT	PROP 24" PIPE	14	4.5	MIN	12.73	*6	14.73	*1.5	*2.25
100+55.74	56.15' LT	PROP 24" PIPE	18	5.7	MIN	12.59	*6	14.59	*1.5	*2.25
106+66.17	65.69' RT	PROP 24" PIPE	6	3.4	MIN	12.31	*6	14.31	*1.5	*2.25
126+80.94	65.78' LT	EXIST 24" PIPE	16	5.1	MIN	12.89	*6	14.89	*1.5	*2.25
134+83.54	97.10' RT	EXIST 24" PIPE	16	5.1	MIN	15.05	*6	17.05	*1.5	*2.25

* BASED ON DISCHARGE AND PIPE DIAMETER
NO MIN RIP RAP REQUIRED.