

THE BIORETENTION CELL CONSISTS OF FOUR DISCRETE LAYERS:
BIORETENTION PLANTING SOIL LAYER, FINE AGGREGATE LAYER, COARSE AGGREGATE NO. 78 LAYER, AND COARSE AGGREGATE NO. 57 LAYER AND AN UNDERDRAIN SYSTEM.
THE MATERIALS AND VOLUMES FOR EACH LAYER ARE AS SHOWN:

BIORETENTION PROJECT	QUANTITY (CY)
BIORETENTION PLANTING SOIL LAYER PLUS 3 INCH COVER COMPOSITION BY VOLUME	1216
5 PARTS SAND - CMS FINE AGGREGATE AS PER 703.20	
1 PART TOPSOIL - CMS 659.05	
2 PARTS COMPOST - CMS 659.06	
FINE AGGREGATE AS PER CMS 703.20	
COARSE AGGREGATE SIZE NO. 78 PER 703.20	111
COARSE AGGREGATE SIZE NO. 57 PER 703.20	442
TOTAL CUBIC YARDS	1330

QUANTITIES

ITEM NO.	ITEM DESCRIPTION	UNITS	TOTAL QUANTITY
203	EXCAVATION, AS PER PLAN	CY	1768
601	ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC	CY	13
601	BIORETENTION CELL	CY	1880
602	CONCRETE MASONRY	CY	0.27
605	4" UNCLASSIFIED PIPE UNDERDRAIN, AS PER PLAN	FT	530
611	4" CONDUIT , TYPE C	FT	96
611	15" CONDUIT , TYPE C	FT	44
611	CATCH BASIN, NO. 2-2B	EACH	1
659	SEEDING AND MULCHING	SY	1857
671	EROSION CONTROL MAT	SY	1857

QUANTITIES CARRIED TO BMP SUBSUMMARY

EARTHWORK QUANTITIES

ITEM NO.	ITEM DESCRIPTION	UNITS	TOTAL QUANTITY
203	EXCAVATION	CY	1564
204	EMBANKMENT	CY	459

QUANTITIES CARRIED TO EARTHWORK SUMMARY ON GENERAL NOTES

