

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	RAMP D CELL QUANTITY (CY)
BIORETENTION PLANTING SOIL LAYER PLUS 3 INCH COVER	700
COMPOSITION BY VOLUME	
5 PARTS SAND - CMS FINE AGGREGATE AS PER 703.20	
1 PART TOPSOIL - CMS 659.05	
2 PARTS COMPOST - CMS 659.06	64
FINE AGGREGATE AS PER CMS 703.20	
COARSE AGGREAGE SIZE NO. 78 PER 703.20	
COARSE AGGREAGE SIZE NO. 57 PER 703.20	255
TOTAL CUBIC YARDS	1083

QUANTITIES

ITEM NO.	ITEM DESCRIPTION	UNITS	TOTAL QUANTITY
203	EXCAVATION, AS PER PLAN	CY	1018
601	ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC	CY	22
601	BIORETENTION CELL	CY	1083
602	CONCRETE MASONRY	CY	0.39
605	4" UNCLASSIFIED PIPE UNDERDRAIN, AS PER PLAN	FT	498
611	4" CONDUIT, TYPE C	FT	33
611	21" CONDUIT, TYPE C	FT	100
611	CATCH BASIN, NO. 2-3	EACH	1
659	SEEDING AND MULCHING	SY	1282
671	EROSION CONTROL MAT	SY	1282

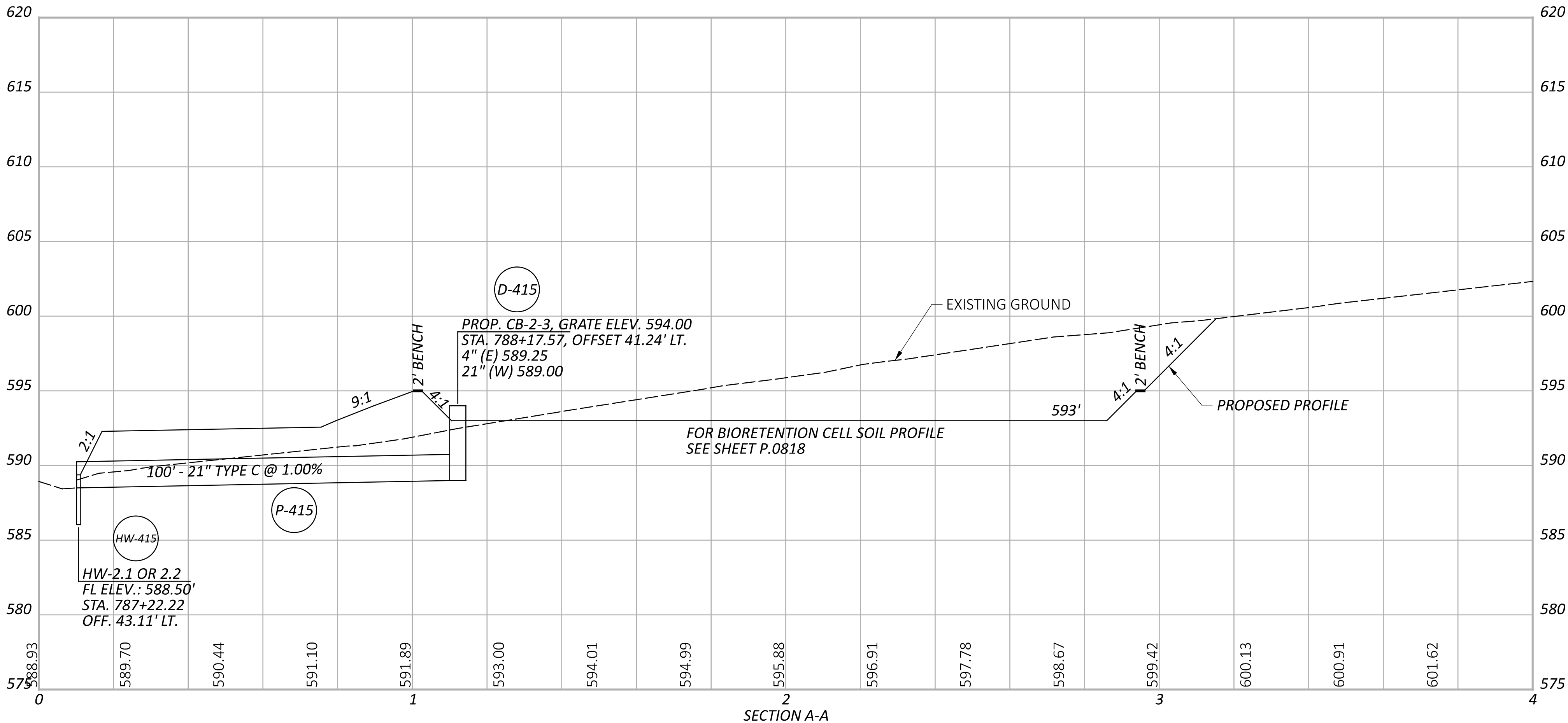
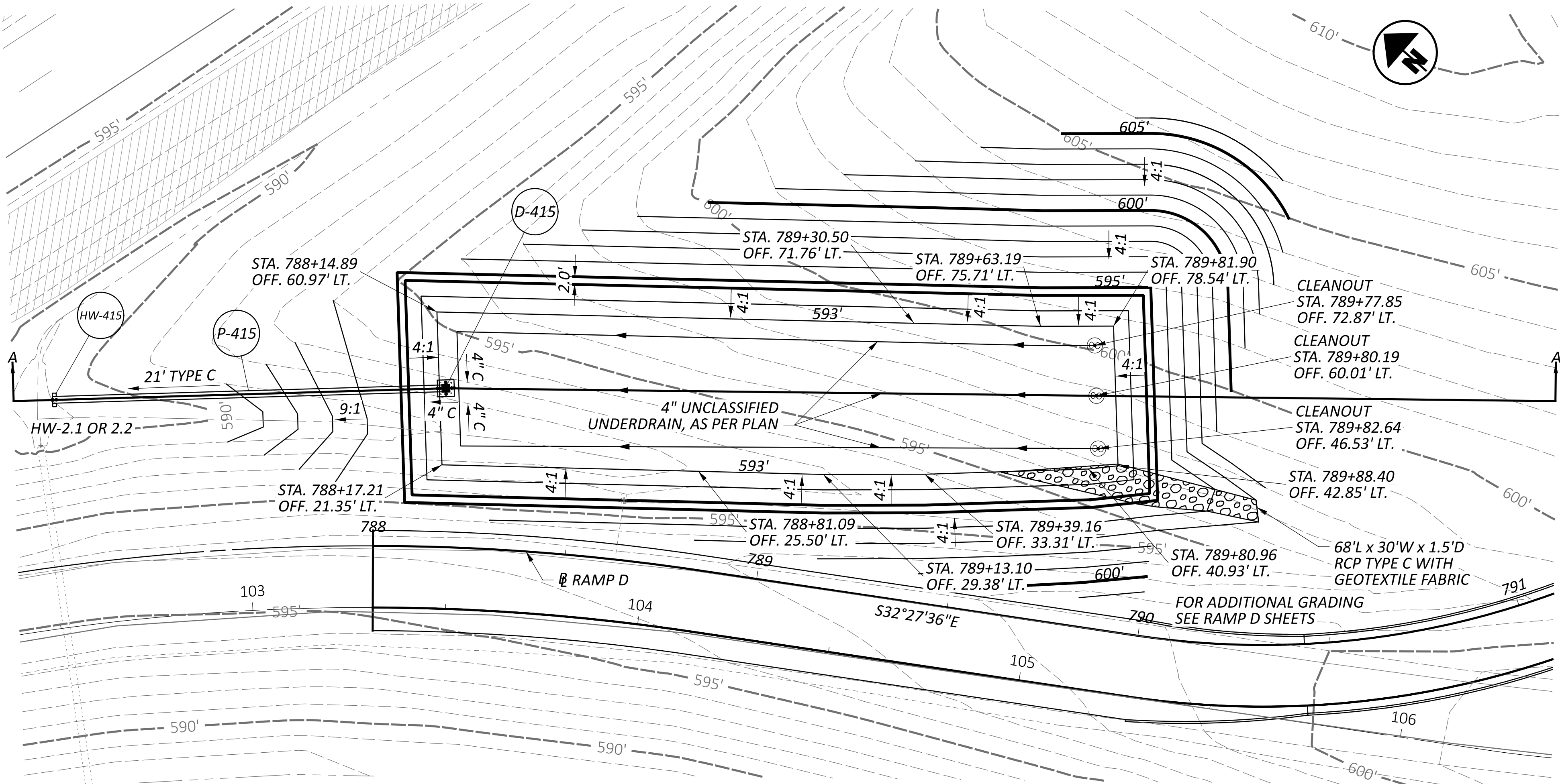
QUANTITIES CARRIED TO BMP SUBSUMMARY

EARTHWORK QUANTITIES

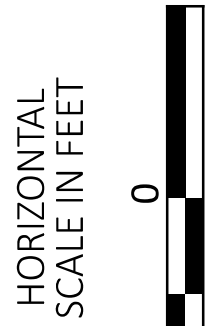
ITEM NO.	ITEM DESCRIPTION	UNITS	TOTAL QUANTITY
203	EXCAVATION	CY	1793
204	EMBANKMENT	CY	157

QUANTITIES CARRIED TO EARTHWORK SUMMARY ON GENERAL NOTES

FOR ADDITIONAL BIORETENTION CELL DETAILS
AND NOTES SEE SHEETS P.0818 AND P.0822



BIORETENTION CELL DETAIL
RAMP D



DESIGN AGENCY

TRANSYSTEMS
400 W. WATSON BLVD., STE. 225
COLUMBUS, OHIO 43215

DESIGNER

NLD

REVIEWER

MHT 07/30/25

PROJECT ID

116570

SHEET

P.0824

TOTAL

1088