

ERI-US 0006-CONNECTIVITY CORRIDOR

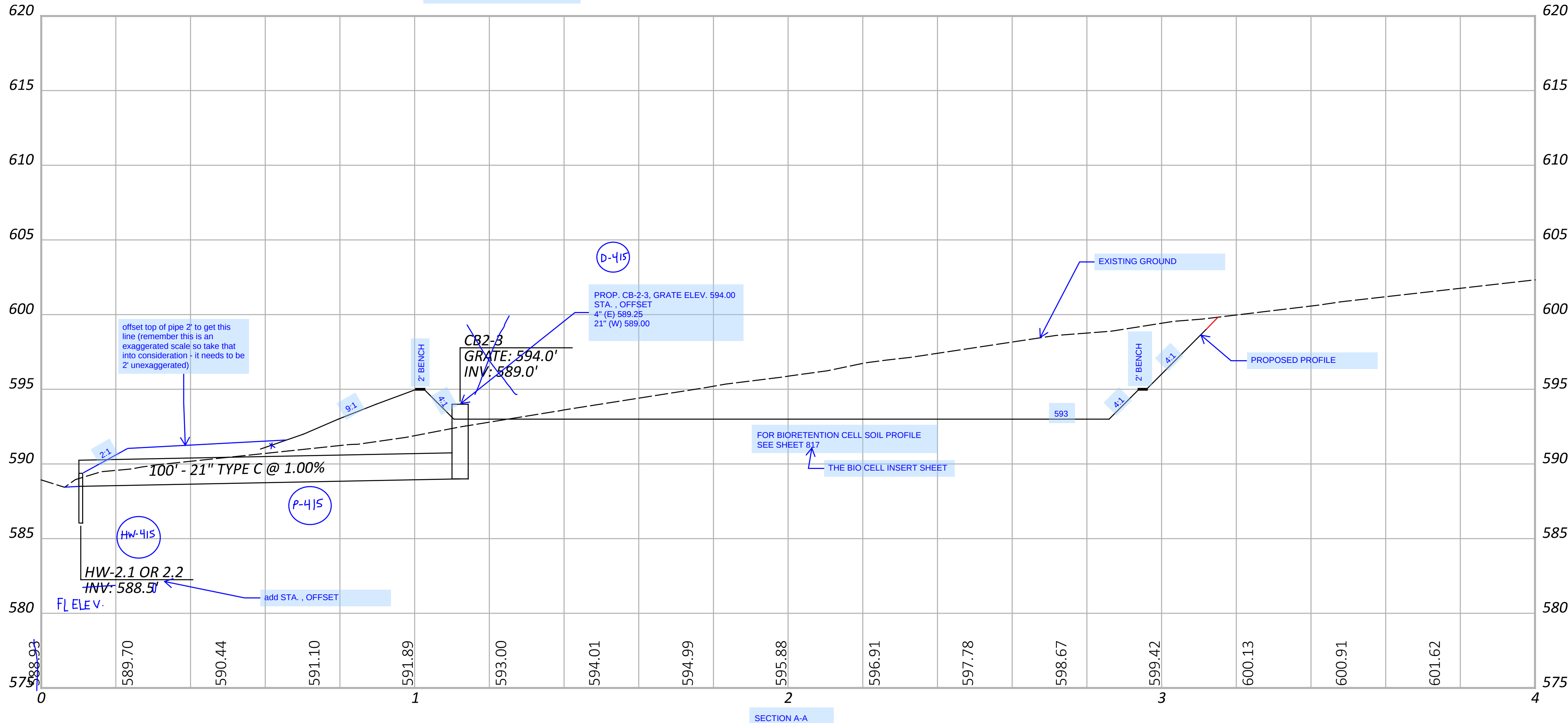
THE BIORETENTION CELL CONSISTS OF FOUR DISCRETE LAYERS: BIORETENTION PLANTING SOIL LAYER, FINE AGGREGATE LAYER, COARSE AGGREGATE NO. 78 LAYER, AND COARSE AGGREGATE NO. 57 LAYER AND AN UNDERDRAIN SYSTEM. THE MATERIALS AND VOLUMES FOR EACH LAYER ARE AS SHOWN:

BIORETENTION PROJECT	PERKINS CELL QUANTITY (CY)	SUP CELL QUANTITY (CY)
BIORETENTION PLANTING SOIL LAYER PLUS 3 INCH COVER		
COMPOSITION BY VOLUME		
5 PARTS SAND - CMS FINE AGGREGATE AS PER 703.20	371	178
1 PART TOPSOIL - CMS 659.05	700	
2 PARTS COMPOST - CMS 659.06		
FINE AGGREGATE AS PER CMS 703.20	34 64	16
COARSE AGGREGATE SIZE NO. 78 PER 703.20	34 64	16
COARSE AGGREGATE SIZE NO. 57 PER 703.20	135 255	65
TOTAL CUBIC YARDS	574 1083	275

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

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

FOR ADDITIONAL BIORETENTION CELL DETAILS AND
NOTES SEE SHEETS 817 AND 821



BIORETENTION CELL DETAILS PLAN AND PROFILE

DESIGN AGENCY

TRANSYSTEMS
1400 W. NATIONWIDE BLVD., STE 225
COLUMBUS, OHIO 43215

DESIGNER

NLD

REVIEWER

MHT 07/30/25

MMT 07/50

116570

116570

SHEET	TOTAL
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