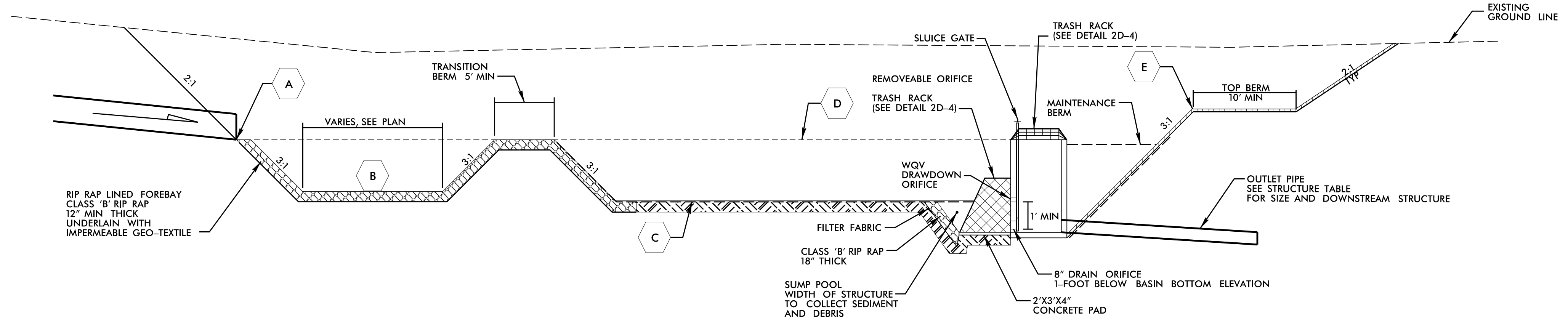


PROJECT REFERENCE NO.	SHEET NO.
U-2579AB	2D-5
RW SHEET NO.	
HYDRAULICS ENGINEER  10/13/2021	
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	

DRY DETENTION BASIN

NOT TO SCALE



TYPICAL SECTION
NTS

POINT LOCATION	691+50 RT		12+00 LT	
	NORTH	EAST	NORTH	EAST
1	857,375.04	1,664,099.31	853,238.60	1,664,387.00
2	857,391.61	1,664,071.66	853,236.66	1,664,366.41
3	857,213.56	1,663,965.66	853,305.40	1,664,359.80
4	857,197.44	1,663,993.20	853,307.29	1,664,381.27
	TOP LENGTH	TOP WIDTH	TOP LENGTH	TOP WIDTH
BASIN	229.50	54.50	86.00	38.00
FOREBAY	54.50	37.00	41.00	31.00



BASIN LAYOUT POINT LOCATIONS
NTS

STATION	BASIN	FOREBAY	TOTAL
691+50 RT	1195	160	1335
12+00 LT	290	96	386

- NOTES:
- SEE PLANS FOR LOCATION AND BASIN DIMENSIONS.
 - IF SEASONAL HIGH WATER TABLE (SHWT) IS WITHIN 2' OF THE BASIN BOTTOM, CONTACT THE NCDOT HYDRAULIC UNIT PRIOR TO CONSTRUCTION.
 - MEDIA FILTER AND UNDERDRAIN SYSTEM SHALL BE CONSTRUCTED AFTER THE DRAINAGE AREA HAS BEEN STABILIZED.
 - ALL DISTURBED BASIN SLOPES DRAINING INTO THE FILTRATION BASIN SHALL BE SODDED WITH FESCUE SOD.
 - ACCESS BERM SHOULD BE PROVIDED TO CONTROL STRUCTURE ON ALL BASINS AS SHOWN IN DETAIL.
 - CONSTRUCT ACCESS PATH TO BASIN WITH 2½" S9.5B AND 6" ABC.

STATION	A (INLET PIPE INVERT)	B (FOREBAY BOTTOM)	C (BOTTOM OF BASIN)	D (WQV ELEV)	E (TOP OF BERM)
691+50 RT	880.50	877.25	877.00	880.50	882.70
12+00 LT	910.50	907.00	907.00	910.50	912.50

PLOT DRIVER: NCDOT_color_eng_50.plt
 USER: CHARRIS
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 REVISIONS