

Project Name: Dominion Energy Access Road
Road Name: Fuel Farm Road

Job Number: 40930.001

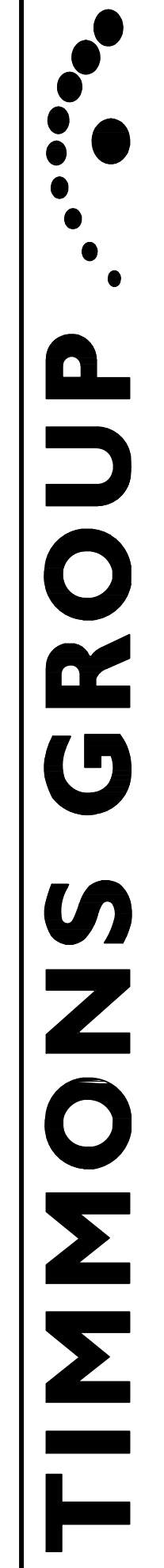
Designed By: IJH

Area Number	Sta From	Sta To	Tc (min)	C Value	Area (ac.)	CA (accum)	I2 (in/hr)	Q2 (cfs)	Slope (ft/ft)	Max V=6.0 fps				I10 (in/hr)	Q10 (cfs)	Depth10 (ft)	Min Design	
										Jute (Sod) (n=0.05)		Paved (n=0.015)					(Depth)	(Type)
										Vel.	Depth	Vel.	Depth					
Ditch Calculations																		
Right Ditch																		
33	31+50	32+50	12.0	0.35	1.1	0.37	3.94	1.45	0.0206	1.8 fps	0.57 ft	-	-	5.22	1.92	0.64 ft	12"	EC-2 Lined V-Ditch
34	32+50	33+50	13.5	0.35	0.5	0.55	3.75	2.08	0.0128	1.6 fps	0.72 ft	-	-	4.98	2.76	0.80 ft	12"	EC-2 Lined V-Ditch
35	33+50	34+10	15.6	0.35	0.2	0.63	3.50	2.19	0.0050	1.2 fps	0.87 ft	-	-	4.67	2.93	0.97 ft	12"	EC-2 Lined V-Ditch
Existing Right Swale																		
28	30+50	30+90	5.8	0.50	0.1	0.05	5.11	0.26	0.0360	1.4 fps	0.22 ft	-	-	6.71	0.34	0.25 ft	--	Existing Swale, 12"+ Depth
Left Ditch																		
27	30+50	30+75	5.1	0.60	0.1	0.06	5.28	0.34	0.0150	1.1 fps	0.35 ft	-	-	6.93	0.45	0.39 ft	12"	EC-2 Lined V-Ditch
29	30+75	31+00	5.0	0.60	0.1	0.08	5.31	0.44	0.0150	1.2 fps	0.39 ft	-	-	6.97	0.57	0.43 ft	12"	EC-2 Lined V-Ditch

YOUR VISION ACHIEVED THROUGH OURS.

THIS DRAWING PREPARED AT THE OFFICE OF THE ENGINEER
 1001 Boulder Park Circle, Suite 300, Henric, VA 23225
 TEL 804.200.6500 FAX 804.560.1016 www.timmons.com

DATE	6/30/2019
DRAWN BY	KPO
DESIGNED BY	KPO
CHECKED BY	CMK
SCALE	N.T.S.



Site Development | Residential | Infrastructure | Technology
EAST RAMP 3 ACCESS ROAD
 HENRICO COUNTY - VIRGINIA
DITCH CALCULATIONS

JOB NO.	40930.001
SHEET NO.	02H(07)

These plans and associated documents are the exclusive property of TIMMONS GROUP and may not be reproduced in whole or in part and shall not be used for any purpose whatsoever, inclusive, but not limited to construction, bidding, and/or construction safety without the express written consent of TIMMONS GROUP.