

		G						Н			
	BUILDING FOUNDATION	Down adap remo	spout ter with vable cap or Tee blash Surch	arge Pipe				Proposed/ Existing G	, rade		1
4 DAYLIGHT ROOF DRAIN SCALE: NTS										_	
NOTATION Constant adapter with adapter with removable cop											2
DAYLIGHT ROOF DRAIN (OPTIONAL)											
(5) SCALE: NTS											
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A 12	A W							FLOW	a Kar	A 12	
				PL	AN.						
LENGTH											5
	S=0.0%							FLOW			
		<u> </u>		MIRAFI	XTILE FABF 140 NS OR	RIC	12"	2-6"			
3' THICKNESS - 2 LAYERS (MIN.) D/50 SIZE STONE MIRAFI 140 NS OR 12" 12" 12" 12"											
				SECTI		<u> </u>			Blanket		
Structure Symbol A1-HW	Structure Type Conc. Headwall	Q (cfs) 11.03	Pipe Diam. Do (in.)	Tailwater (ft.) 0.30	d50 (in.)	dmax (in.) 9	Apron Lengh La (ft.) 9	Apron Width W (ft.)*	Thickness (In.)	NYS-ESC Reference Fig. 5B12	
A3-HW A4-HW B1-HW	Conc. Headwall Conc. Headwall Conc. Headwall	13.03 1.42 14.05	18 15 18	0.30 0.25 0.30	6 6 6	9 9 9	10 8 10	12 9 12	14 14 14	Fig. 5B12 Fig. 5B12 Fig. 5B12	6
B4-HW C4-HW C6-HW	Conc. Headwall Conc. Headwall Conc. Headwall	29.35 5.60 31.91	30 18 30	0.50 0.30 0.50	8 6 8	12 9 12	12 8 12	15 10 15	18 14 18	Fig. 5B12 Fig. 5B12 Fig. 5B12	
CDS1-A-HW CDS1-B-HW CDS2-HW	Conc. Headwall Conc. Headwall Conc. Headwall	1.52 1.52 3.49	15 15 15	0.25 0.25 0.25	6 6 6	9 9 9	8 8 8	9 9 9	14 14 14	Fig. 5B12 Fig. 5B12 Fig. 5B12	
CDS4A-HW CDS4B-HW CDS5-HW	Conc. Headwall Conc. Headwall Conc. Headwall	1.71 1.71 4.33	15 15 15	0.25 0.25 0.25	6 6 6	9 9 9	8 8 8	9 9 9	14 14 14	Fig. 5B12 Fig. 5B12 Fig. 5B12	
D1-HW D4-HW E1-HW	Conc. Headwall Conc. Headwall Conc. Headwall	11.64 39.15 33.45	15 30 24	0.25 0.50 0.40	6 9 8	9 14 12	9 12 12	10 15 14	14 20 18	Fig. 5B12 Fig. 5B12 Fig. 5B12	
E4-HW F0-HW	Conc. Headwall Conc. Headwall	50.32 7.30	36 15	0.60 0.25	12 6	18 9	24 8	27 9	27 14	Fig. 5B12 Fig. 5B12	
F2-HW F-HW G002-HW	Conc. Headwall Conc. Headwall Conc. Headwall	0.99 9.71 17.59	15 15 24	0.25 0.25 0.40	6 6 6	9 9 9	8 9 10	9 10 12	14 14 14	Fig. 5B12 Fig. 5B12 Fig. 5B12	
G003-HW H0-HW	Conc. Headwall Conc. Headwall	25.39 4.50	24 12	0.40 0.20	8 6	12 9	12 8	14 9	18 14	Fig. 5B12 Fig. 5B12	
H2-HW WT-OF-101 X200-HW	Conc. Headwall Conc. Headwall Conc. Headwall	12.97 0.62 12.55	24 18 18	0.40 0.30 0.30	6 6 6	9 9 9	10 9 9	12 11 11	14 14 14	Fig. 5B12 Fig. 5B12 Fig. 5B12	7
X2-HW X410-HW X411-HW	Conc. Headwall Conc. Culvert Box Conc. Headwall	101.40	36 2'x4' Box 2'x4' Box	0.60 0.40 0.40	12 8 8	18 12 12	24 12 12	27 14 14	27 18 18	Fig. 5B12 Fig. 5B12 Fig. 5B12	
*Apron Width	W=La+D0 (Fig. 5) h : W=0.4XLa+D0 (Fig. 5)	b12, Minimun	n Tailwater Co	ondition, Tw	<0.5Do)	ļ	12	14	10	י iy. JD IZ	
RIP-RAP CONDUIT OUTLET PROTECTION											
							INITIAL DATE		JOB NO.		-
		SHEET T	IILE				INITIAL DATE JOB OCT. 15, 2019			895.0053	
TAX LO							SCALE B/O				8
ECTIO	•	STORMWATER					NOT TO SCALE DRAWN SHEET NO.				_
CK 1/ L	OT 6.3	DETAILS					C.Y. / F.M.			15	
							CHKD. L.A.D.			C-15 77 OF 103	