

RETENTION POND EMERGENCY SPILLWAY
NOT TO SCALE

FRONT ELEV. FLARED END

PLAN OF FLARED END

FLARED END SECTION

NOTE:
GROUTED RIP-RAP TO EXTEND UP CHANNEL SIDES
AT A MAX. SLOPE OF 2:1 TO A HEIGHT EQUAL TO
ONE HALF THE PIPE DIA. OR GREATER

DIMENSIONS (INCHES):							
I.D.	12	15	18	21	24	27	30
A	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2
R	5	7 1/2	9	9	10	10	14
S	24	24	24	24	24	24	26
T	24	24	24	24	24	24	30
U (FT)	4	4	4	4	4	4	4'-8"
V	24	28	34	40	48	54	60

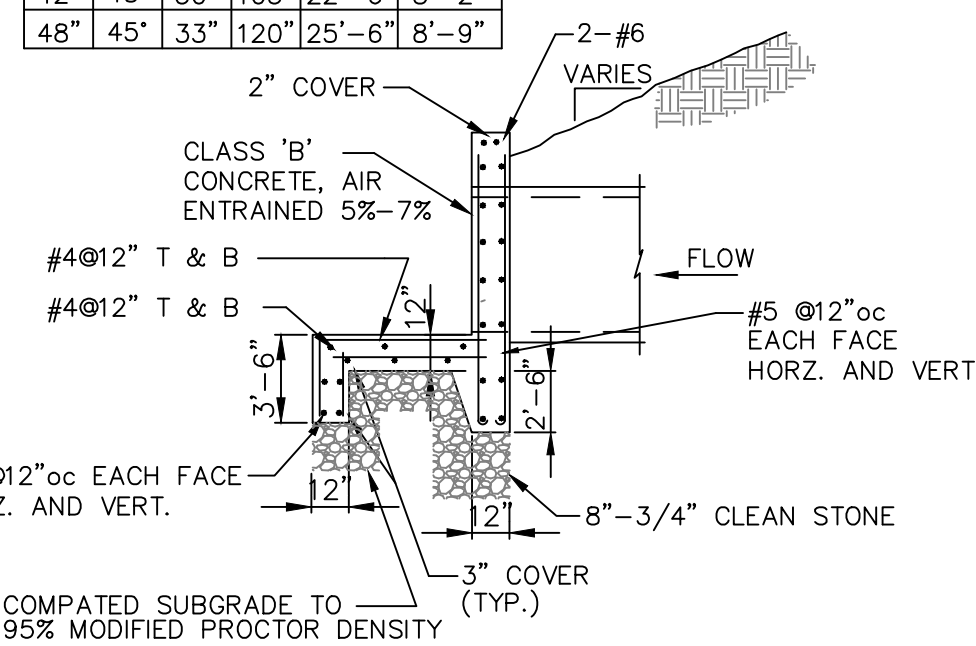
NOTE:
MINOR VARIATIONS TO THE ABOVE DIMENSIONS ARE ACCEPTABLE
WITH THE EXCEPTION OF THE INSIDE DIAMETER DIMENSION.

PLAN

SECTION A-A

ANTI - SEEP COLLAR DETAIL

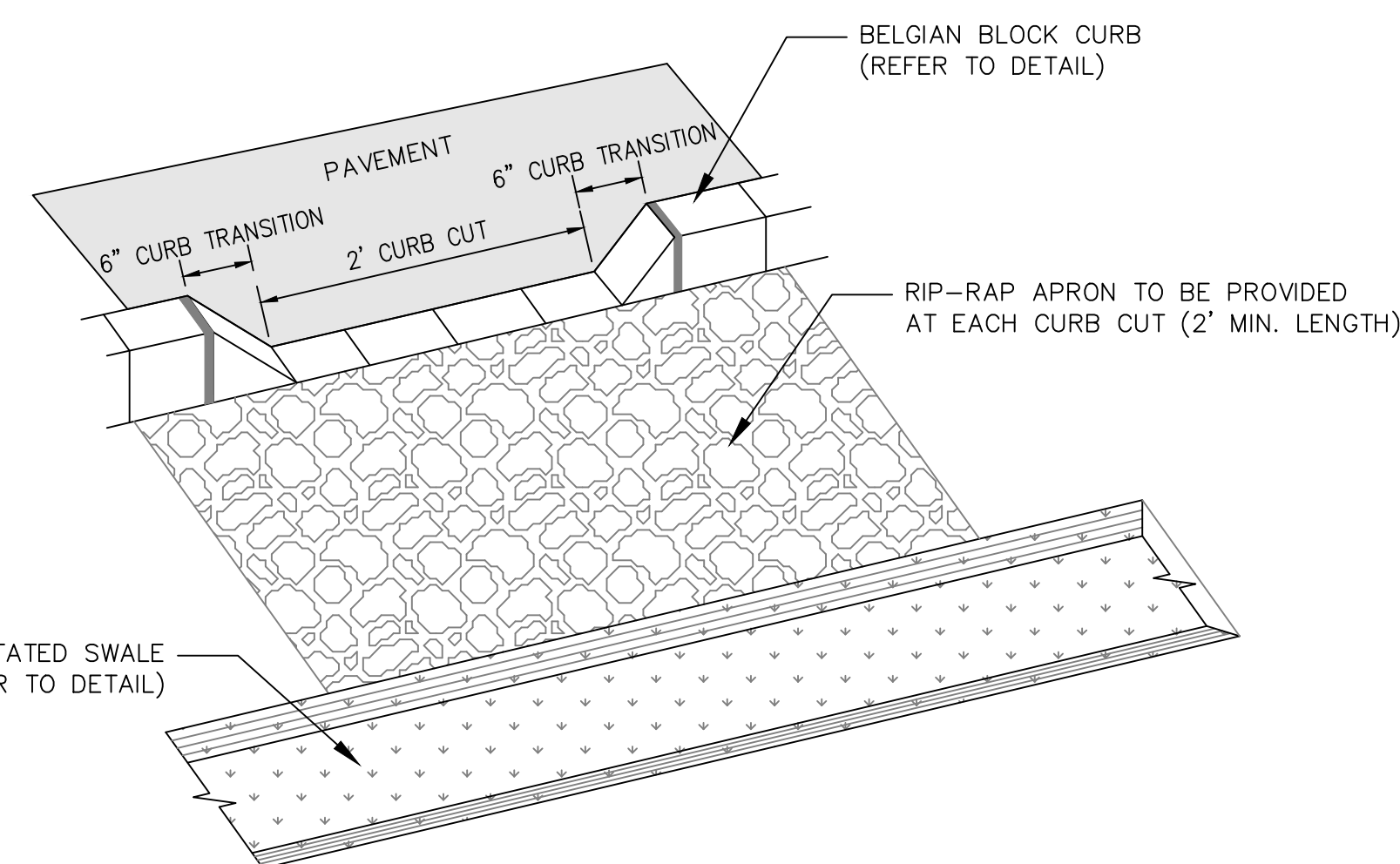
D	a	A	G	F	H
18"	30°	18"	45"	7'-4"	5'-8"
24"	30°	21"	60"	9'-2"	6'-3"
30"	45°	24"	75"	16'-6"	6'-10"
36"	45°	27°	90"	19'-6"	7'-6"
42"	45°	30"	105"	22'-6"	8'-2"
48"	45°	33"	120"	25'-6"	8'-9"



CONCRETE HEADWALL
NOT TO SCALE

VEGETATED SWALE SECTION
NOT TO SCALE

VEGETATED SWALE PROFILE SECTION
NOT TO SCALE



NOTES:
CURB CUTS TO BE PROVIDED EVERY 50' (OR AS
REQUIRED). REFER TO SITE PLAN FOR CURB CUT
LOCATIONS.

CURB CUT DETAIL
FOR VEGETATED SWALE
NOT TO SCALE

DAYLIGHT ROOF DRAIN
NOT TO SCALE

DAYLIGHT ROOF DRAIN (OPTIONAL)
NOT TO SCALE

SECTION

Structure Symbol	Structure Type	Q (cfs)	Pipe Diam. Di (ft.)	Tailwater (ft.)	d ₅₀ (in.)	d _{max} (in.)	Apron Length La (ft.)	Apron Width W (ft.)*	Blanket Thickness (ft.)	NYS-ESC Reference
A-HW	Conc. Headwall	1.05	18	0.00	6	9	9	11	14	Fig. S 5B12
A100-HW	Conc. Headwall	10.28	30	1.25	6	9	10	7	11	Fig. S 5B13
A200-HW	Conc. Headwall	6.32	15	0.50	6	9	8	9	14	Fig. S 5B12
A300-HW	Conc. Headwall	2.67	15	0.50	6	9	8	9	14	Fig. S 5B12
A400-HW	Conc. Headwall	1.28	15	0.50	6	9	8	9	14	Fig. S 5B12
A500-HW	Conc. Headwall	1.03	15	0.50	6	9	8	9	14	Fig. S 5B12
A600-HW	Conc. Headwall	2.56	15	0.50	6	9	8	9	14	Fig. S 5B12
B-HW	Conc. Headwall	0.94	18	0.00	6	9	9	11	14	Fig. S 5B12
B100-HW	Conc. Headwall	17.85	24	1.00	8	12	10	5	17	Fig. S 5B13
B400-HW	Conc. Headwall	27.51	24	0.75	6	9	16	18	14	Fig. S 5B12
B500-HW	Conc. Headwall	2.51	18	0.50	6	9	9	11	14	Fig. S 5B12
B900-HW	Conc. Headwall	1.77	18	0.50	6	9	9	11	14	Fig. S 5B12
B700-HW	Conc. Headwall	3.11	18	0.50	6	9	9	11	14	Fig. S 5B12
C-HW	Conc. Headwall	15.35	18	0.50	6	9	9	11	14	Fig. S 5B12
C100-HW	Conc. Headwall	39.55	30	1.50	6	9	18	10	14	Fig. S 5B13
C400-HW	Conc. Headwall	10.25	24	0.75	6	9	12	14	14	Fig. S 5B12
D-HW	Conc. Headwall	4.61	18	0.50	6	9	9	11	14	Fig. S 5B12
D100-HW	Conc. Headwall	17.31	24	1.00	6	9	9	6	14	Fig. S 5B13
E-HW	Conc. Headwall	0.38	18	0.00	6	9	9	11	14	Fig. S 5B12
E100-HW	Conc. Headwall	10.31	24	1.00	6	9	8	5	14	Fig. S 5B13
E300-HW	Conc. Headwall	2.76	15	0.50	6	9	8	9	14	Fig. S 5B12
E400-HW	Conc. Headwall	1.49	18	0.50	6	9	8	9	11	Fig. S 5B12
E500-HW	Conc. Headwall	1.10	15	0.50	6	9	8	9	14	Fig. S 5B12
E600-HW	Conc. Headwall	3.75	18	0.50	6	9	9	11	14	Fig. S 5B12

*Apron Width W=L+D₅₀ (Fig. S**5B12**, Minimum Tailwater Condition, Tw=0.5d₅₀)

RIP-RAP CONDUIT OUTLET PROTECTION

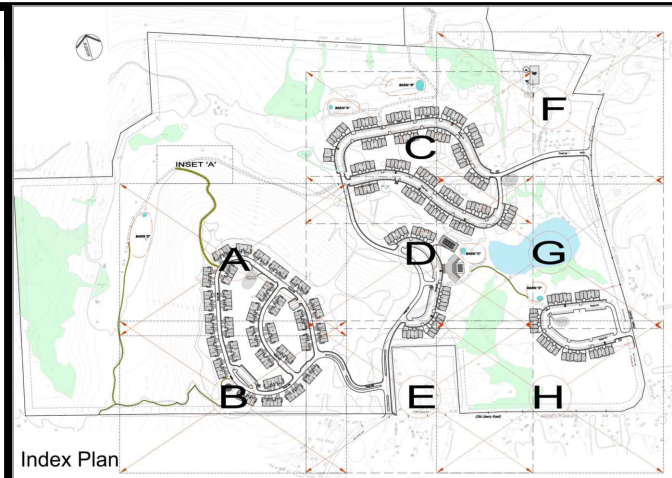
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7/1/2016

SIGNATURE DATE

[illegible]

PROJECT TITLE

PRELIMINARY & FINAL SITE PLAN

Gan-Eden Estates

TOWN OF THOMPSON SULLIVAN COUNTY NEW YORK

TAX LOT
SECTION 2,
BLOCK 1/ LOT 6.3

STORMWATER DETAILS

INITIAL DATE	12/04/2015	JOB NO.	01895/0053
SCALE	AS SHOWN	B/O	
DRAWN	CY/FM	SHEET NO.	
CHKD.	AG/LAD		C-15 69 OF 79