

6" x 6" TEE, 6" CLEANOUT, 22.5" BEND  
 35 L.F. OF 6" PVC SOIL FILTER OUTLET PIPE  
 INV. IN. = 176.58'  
 INV. OUT. = 176.48'  
 RIPRAP OUTLET PROTECTION  
 GRASSED DRAINAGE SWALE

DA C  
 A = 0.21 AC  
 CN = 75.29  
 Tc = 20.50 MIN  
 ANALYSIS POINT C

DA D  
 A = 0.12 AC  
 CN = 77.00  
 Tc = 6.51 MIN  
 ANALYSIS POINT D

BALL VALVE  
 10' VEGETATED  
 EMERGENCY  
 SPILLWAY, INV.  
 ELEV. = 180.50'

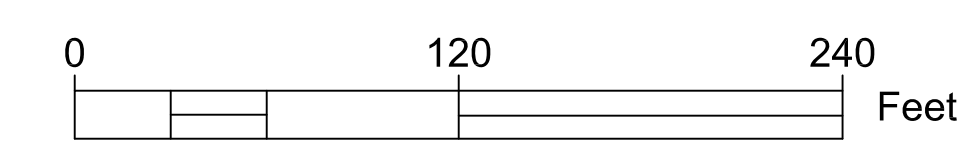
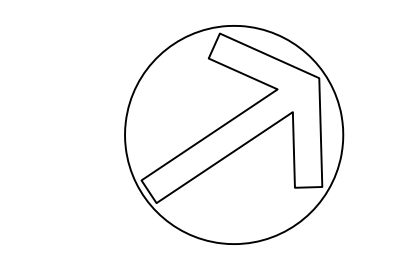
GRASSED  
 UNDERDRAIN  
 SOIL FILTER SOIL  
 ELEV. = 179.0'  
 SINGLE ROW 6"  
 PERFORATED  
 UNDERDRAIN

DA B2  
 A = 7.03 AC  
 CN = 70.54  
 Tc = 77.86 MIN

DA B1  
 A = 2.55 AC  
 CN = 66.95  
 Tc = 7.02 MIN

DA A  
 A = 3.95 AC  
 CN = 74.46  
 Tc = 29.92 MIN  
 ANALYSIS POINT A

Allen Road



**LEGEND**

- 750 --- EX. MAJOR CONTOUR
- 744 --- EX. MINOR CONTOUR
- EX. SOIL BOUNDARY \*
- EX. OVERHEAD UTILITY
- EX. PROPERTY BOUNDARY
- EX. WETLAND
- \* SITE IS ENTIRELY HSG TYPE D SOILS
- 750 --- PROP. MAJOR CONTOUR
- 744 --- PROP. MINOR CONTOUR
- TC --- PROP. TIME OF CONCENTRATION
- ← PROP. FLOW DIRECTION ARROW
- PROP. DRAINAGE BOUNDARY
- ANALYSIS POINT
- PROP. CULVERT/PIPING

- EX. WOODS
- EX. BRUSH
- PROP. DEVELOPED GRASS/LANDSCAPE
- PROP. IMPERVIOUS SURFACE/ROOF
- PROP. STONE PAD
- PROP. GRAVEL ACCESS ROAD

PROPOSED CONDITIONS HYDRAULIC SUMMARY						
DRAINAGE AREA	2 - YEAR FLOW RATE (CFS)	10 - YEAR FLOW RATE (CFS)	25 - YEAR FLOW RATE (CFS)	PEAK 2 - YEAR FLOW RATE AT OUTFALL (IF SUBSHEDS PRESENT)	PEAK 10 - YEAR FLOW RATE AT OUTFALL (IF SUBSHEDS PRESENT)	PEAK 25 - YEAR FLOW RATE AT OUTFALL (IF SUBSHEDS PRESENT)
A	2.33	5.71	7.47	N/A	N/A	N/A
B1	1.30	4.05	5.55	2.06	5.73	7.71
B2	1.84	5.14	6.91	N/A	N/A	N/A
C	0.15	0.37	0.48	N/A	N/A	N/A
D	0.13	0.30	0.38	N/A	N/A	N/A

STORMWATER TREATMENT REQUIREMENTS (% OF TREATED AREA)		
LAND TYPE	STATION	STATION % TREATED
IMPERVIOUS TOTAL	3.90 AC	96.15%
IMPERVIOUS TREATED	3.75 AC	
DEVELOPED TOTAL*	4.87 AC	85.83%
DEVELOPED TREATED	4.18 AC	

\*DEVELOPED AREA INCLUDES BOTH IMPERVIOUS AND LANDSCAPED SURFACES

STORMWATER TREATMENT FOR PHOSPHOROUS STANDARD	
CONDITION	PHOSPHOROUS EXPORT LOAD (LBS P/YEAR)
PROJECT PHOSPHOROUS BUDGET	0.51
PRE-TREATMENT ALGAL AV. P EXPORT	1.65
POST-TREATMENT ALGAL AV. P EXPORT	0.45

**ISSUED FOR REVIEW**  
**NOT FOR CONSTRUCTION 05/29/18**

REV.	DESCRIPTION	DATE	BY	CK	APP
B	MEDEP PERMIT SET COMMENT REVISIONS	05/29/18	TJG	KRV	

OWNER ENGINEER: \_\_\_\_\_ APPROVAL STAMP: \_\_\_\_\_ PE Stamp: \_\_\_\_\_

DRAWING PREPARED BY: \_\_\_\_\_ ACCEPTED BY OE: \_\_\_\_\_

IUSA ENGINEERING				
CONFIDENTIAL, PROPRIETARY and TRADE SECRET INFORMATION				
Property of Iberdrola, USA				
REV.	DATE	BY	DESCRIPTION	APP.

**POST-DEVELOPMENT STORMWATER PLAN**

SH 3 OF 3

FICKETT ROAD/1077 POWNAL, ME

DR. TJG SCALE: 1" = 60' FILE: 1077-003-003SH003.DWG

CK. KRV NO. \_\_\_\_\_

APP. \_\_\_\_\_

1077-003-003 REV. B

CADD Drawings DO NOT REVISE MANUALLY.