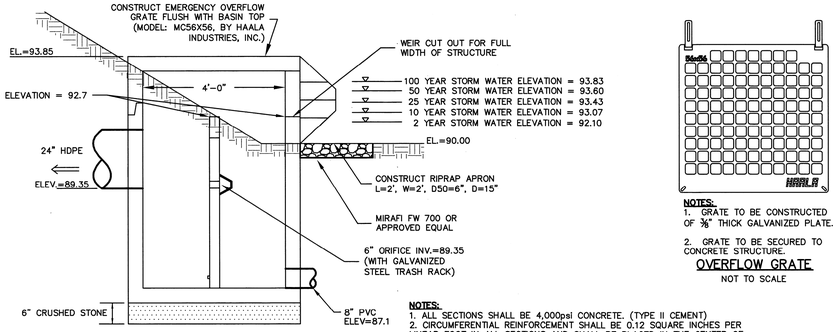
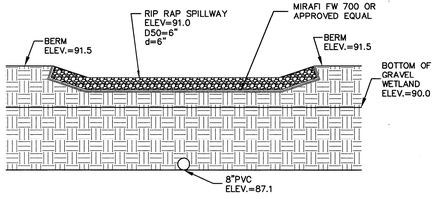


NOTES:
1. ALL SECTIONS SHALL BE 4,000psi CONCRETE. (TYPE II CEMENT)
2. CIRCUMFERENTIAL REINFORCEMENT SHALL BE 0.12 SQUARE INCHES PER LINEAR FOOT IN ALL SECTIONS AND SHALL BE PLACED IN THE CENTER OF THE THIRD WALL.
3. THE TONGUE OR THE GROOVE OF THE JOINT SHALL CONTAIN ONE LINE OF CIRCUMFERENTIAL REINFORCEMENT EQUAL TO 0.12 SQUARE INCHES PER LINEAR FOOT.
4. THE STRUCTURES SHALL BE DESIGNED FOR H20 LOADING.
5. ALL JOINTS ON THE STRUCTURE AND PIPING SHALL BE WATERTIGHT.

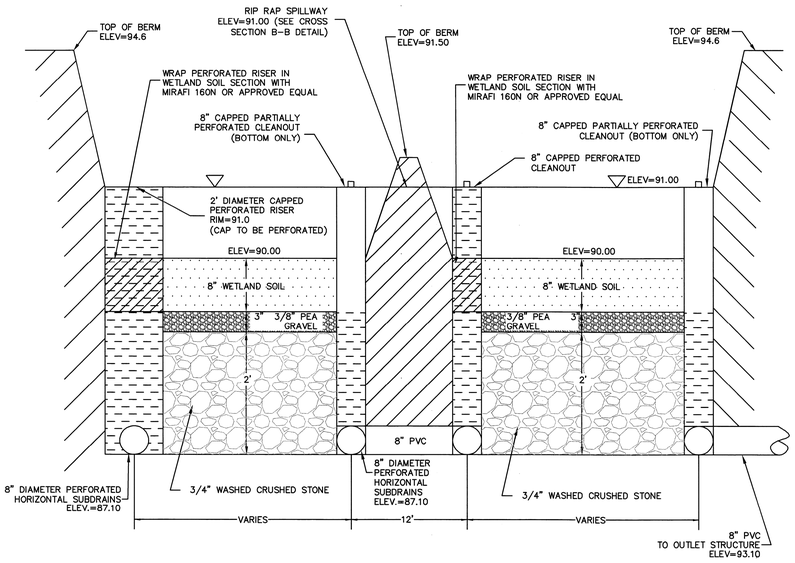
OUTLET STRUCTURE
NOT TO SCALE

NOTES:
1. GRATE TO BE CONSTRUCTED OF ⅜" THICK GALVANIZED PLATE.
2. GRATE TO BE SECURED TO CONCRETE STRUCTURE.

OVERFLOW GRATE
NOT TO SCALE

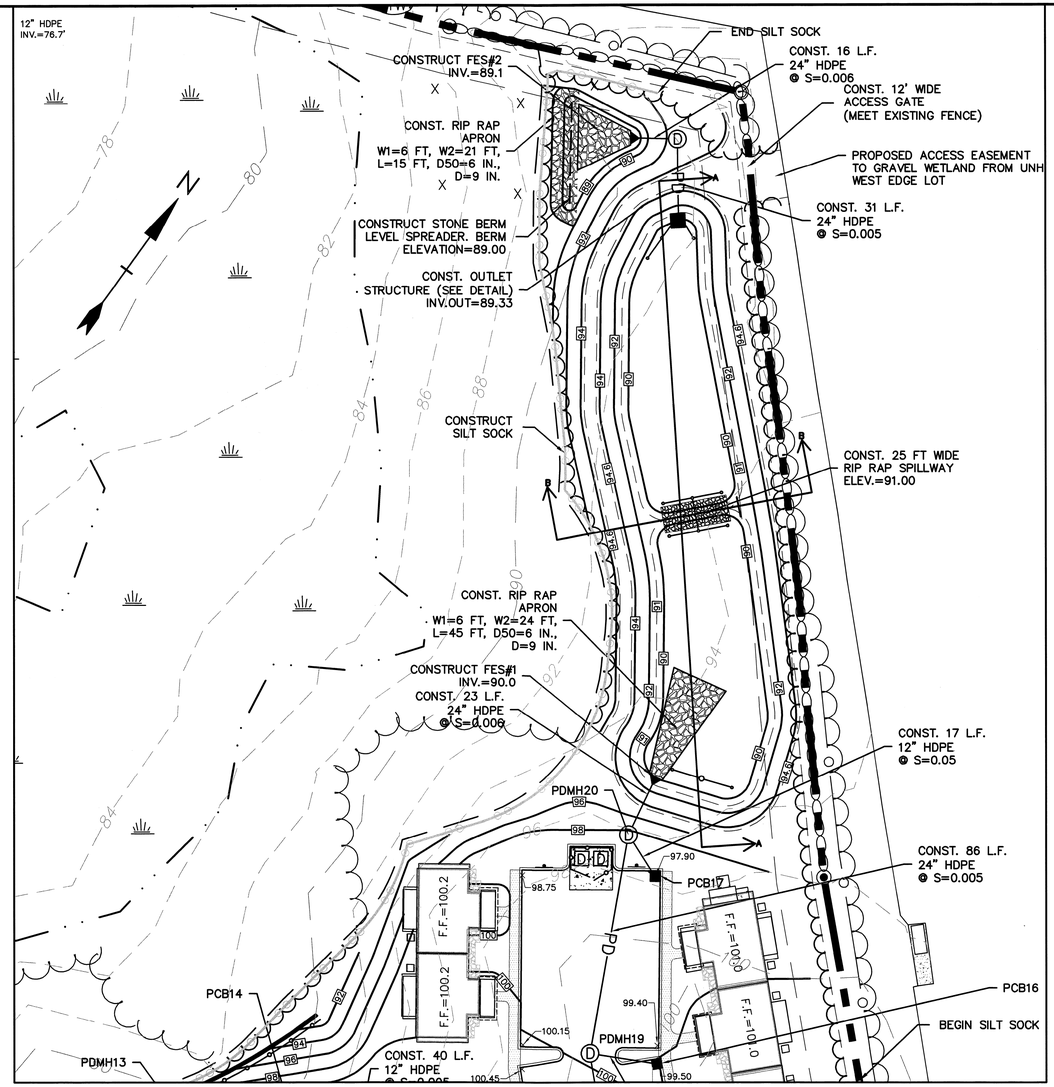


GRAVEL WETLAND (CROSS SECTION B–B)
NOT TO SCALE

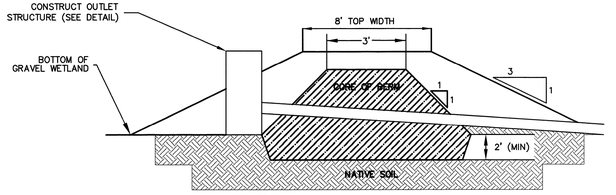


NOTES:
1. WETLAND SOIL SHALL BE A SANDY CLAY LOAM WITH A HYDRAULIC CONDUCTIVITY OF 0.1–0.01 FT/DAY. ORGANIC CONTENT SHALL BE GREATER THAN 15% BY VOLUME. CLAY CONTENT SHALL BE LESS THAN 15% BY VOLUME. THE MAXIMUM PARTICLE SIZE SHALL BE 3".
2. INFILTRATION TESTING OF THE NATIVE SOILS AT THE SUBGRADE OF THE PROPOSED GRAVEL WETLAND SHALL OCCUR PRIOR TO THE INSTALLATION OF THE GRAVEL WETLAND AND SHALL BE COORDINATED WITH THE ENGINEER. IF THE NATIVE SOILS EXCEED A PERMEABILITY RATE OF 0.03FT/DAY THE SOILS SHOULD AMENDED OR LINER ADDED AS DETERMINED BY THE ENGINEER.
3. PERFORATED RISERS SHALL HAVE VERTICAL SLOTS CUT INTO RISERS ABOVE GRADE MEASURING 3"x1/8".

GRAVEL WETLAND (CROSS SECTION A–A)
NOT TO SCALE



GRAVEL WETLAND PLAN VIEW
SCALE: 1"=30'



NOTES:
1. CORE MATERIAL SHALL MEET USGS CLASSIFICATION SC, SM, CL OR ML AND HAVE A MAXIMUM PARTICLE SIZE OF 3" AND A PERMEABILITY LESS THAN 0.000005 CM/S, AND MEET THE FOLLOWING GRADATION

SIEVE SIZE	PERCENT FINER BY WEIGHT
3 INCH	100
No. 200	50 –100.

2. PIPE SHALL BE FULLY EMBEDDED IN CORE TO ELIMINATE SEEPAGE

GRAVEL WETLAND BERM
NOT TO SCALE

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177 Corporate Drive
Portsmouth, NH 03801
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THE STATE OF NEW HAMPSHIRE
GREGG M. MIKOLAITIES No. 6884
REGISTERED PROFESSIONAL ENGINEER
6-11-13

Peak Campus Development, LLC

The Lodges at West Edge

Durham, NH

Mark	Date	Description
E	6/11/13	ISSUED FOR BUILDING PERMIT
D	12/10/12	REVISED FOR AoT SUBMISSION
C	11/1/12	REVISED FOR PB SUBMISSION
B	9/26/12	REVISED FOR PB SUBMISSION
A	8/22/12	PB SUBMISSION

PROJECT NO:	P0637
FILE:	P0637_DETAILS.dwg
DRAWN BY:	KAM/SLK1
CHECKED:	JMP2
APPROVED BY:	GMM

DETAILS SHEET

SCALE: AS SHOWN

SHEET 20