

APPROVED FOR THE RECORD:

EXETER PLANNING BOARD DATE



133 COURT STREET PORTSMOUTH, NH 03801  
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ISSUED FOR:  
PLANNING BOARD APPROVAL

ISSUE DATE:  
SEPTEMBER 25, 2020

NO.	DESCRIPTION	BY	DATE
0	PB SUBMITTAL	CDB	06/04/20
1	TRC COMMENTS	CDB	09/25/20

DRAWN BY: CDB  
APPROVED BY: JKC  
DRAWING FILE: 5030\_071620.DWG

SCALE: 1"=20'

OWNER/APPLICANT:  
PHILLIPS EXETER ACADEMY  
20 MAIN STREET  
EXETER, NH 03833

PROJECT:  
PHILLIPS EXETER ACADEMY  
NEW DORMITORY

ASSESSOR PARCEL 72, LOT 209

TITLE:  
DRAINAGE AND  
STORM WATER  
MANAGEMENT PLAN

SHEET NUMBER:  
C6.01

STORMWATER PRACTICES

**STORMWATER GALLERY A**  
24" DIA PERF PIPE  
6 ROWS / 60 FT LENGTH  
PIPE INV = 40.25  
ROCK BOTTOM = 39.75

**STORMWATER GALLERY B**  
24" DIA PERF PIPE  
5 ROWS / 36 FT LENGTH  
PIPE INV = 34.25  
ROCK BOTTOM = 33.75

**STORMWATER GALLERY C**  
24" DIA PERF PIPE  
2 ROWS / 20 FT LENGTH  
PIPE INV = 29.0  
ROCK BOTTOM = 28.50

**RAINGARDEN 1**  
BOTTOM AREA = 50 SF  
BOTTOM ELEV = 33.0  
BERM ELEVATION = 33.75

**OUTLET STRUCTURE 1 (PYD1)**  
RIM (12" BEEHIVE) = 33.5  
12" INV OUT = 28.50 (PYD 2)

**RAINGARDEN 2**  
BOTTOM AREA = 50 SF  
BOTTOM ELEV = 33.0  
BERM ELEVATION = 33.75

**OUTLET STRUCTURE 2 (PYD2)**  
RIM (12" BEEHIVE) = 33.5  
12" INV IN = 28.25 (PYD 1)  
12" INV OUT = 28.25 (PYD 3)

**RAINGARDEN 3**  
BOTTOM AREA = 50 SF  
BOTTOM ELEV = 33.0  
BERM ELEVATION = 33.75

**OUTLET STRUCTURE 3 (PYD3)**  
RIM (12" BEEHIVE) = 33.5  
12" INV IN = 28.10 (PYD 2)  
12" INV OUT = 28.10 (PDMH 20)

PAD 4  
RIM = 45.35  
8" INV OUT = 38.00 (PAD5)

PAD 5  
RIM = 39.30  
8" INV IN = 35.90 (PAD 4)  
8" INV OUT = 35.80 (PAD6)

PAD 6  
RIM = 39.30  
8" INV IN = 35.70 (PAD 5)  
8" INV OUT = 35.60 (PCB 7)

PCB 7  
RIM = 38.2  
8" INV IN = 35.45 (PAD 6)  
12" INV OUT = 34.85 (SWG B)  
12" INV OUT = 35.35 (BYPASS)

PDMH 72  
RIM = 38.4  
12" INV IN = 34.25 (SWG B)  
12" INV IN = 34.50 (PCB 7)  
12" INV OUT = 34.15 (PDMH 8)

PDMH 8  
RIM = 38.5  
12" INV IN = 34.50 (PDMH 8)  
12" INV IN = 34.00 (PDMH 72)  
4" UD IN = 33.75 (SWG B)  
12" INV OUT = 30.25 (OUTLET)

PDMH 9  
RIM = 42.70  
12" INV IN = 38.70 (PDMH 8)  
12" INV OUT = 38.80 (PDMH 10)

PDMH 10  
RIM = 44.75  
12" INV IN = 39.75 (PDMH 9)  
12" INV OUT = 39.85 (SWG A)

PCB 11  
RIM = 33.70  
12" INV IN = 29.70 (ROOF)  
12" INV OUT = 29.60 (SWG C)

PAD 12  
RIM = 33.50  
12" INV IN = 28.0 (SWG C)  
12" INV OUT = 28.3 (PDMH 3)

PCB 13  
RIM = 44.50  
12" INV IN = 41.25 (PCB 14)

PCB 14  
RIM = 44.40  
12" INV IN = 40.90 (PCB 13)  
12" INV OUT = 41.30 (BYPASS)  
12" INV OUT = 40.80 (SWG A)

PAD 15  
RIM = 43.80  
2" INV IN = 41.0 (PUMP DISCHARGE)  
12" INV OUT = 40.80 (SWG A)

PDMH 16  
RIM = 44.80  
12" INV IN = 40.25 (SWG A)  
12" INV IN = 41.75 (BYPASS)  
12" INV OUT = 40.25 (PDMH 10)

PAD 17  
RIM = 44.60  
12" INV OUT = 40.60 (PLB 19)

PAD 18  
RIM = 44.60  
12" INV OUT = 40.60 (PLB 19)

PLB 19  
RIM = 44.00  
12" INV OUT = 40.00 (PCB 21)

PDMH 20  
RIM = 32.6  
6" INV IN = 28.75 (FD)  
(VERIFY W/F FOUNDATION PLANS)

PCB 21  
RIM = 32.6  
12" INV IN = 29.10 (PLB 19)  
12" INV IN = 29.10 (EX CB A)  
12" INV OUT = 29.00 (EX CB B)  
(VERIFY ELEVATIONS IN FIELD)

NOTES:

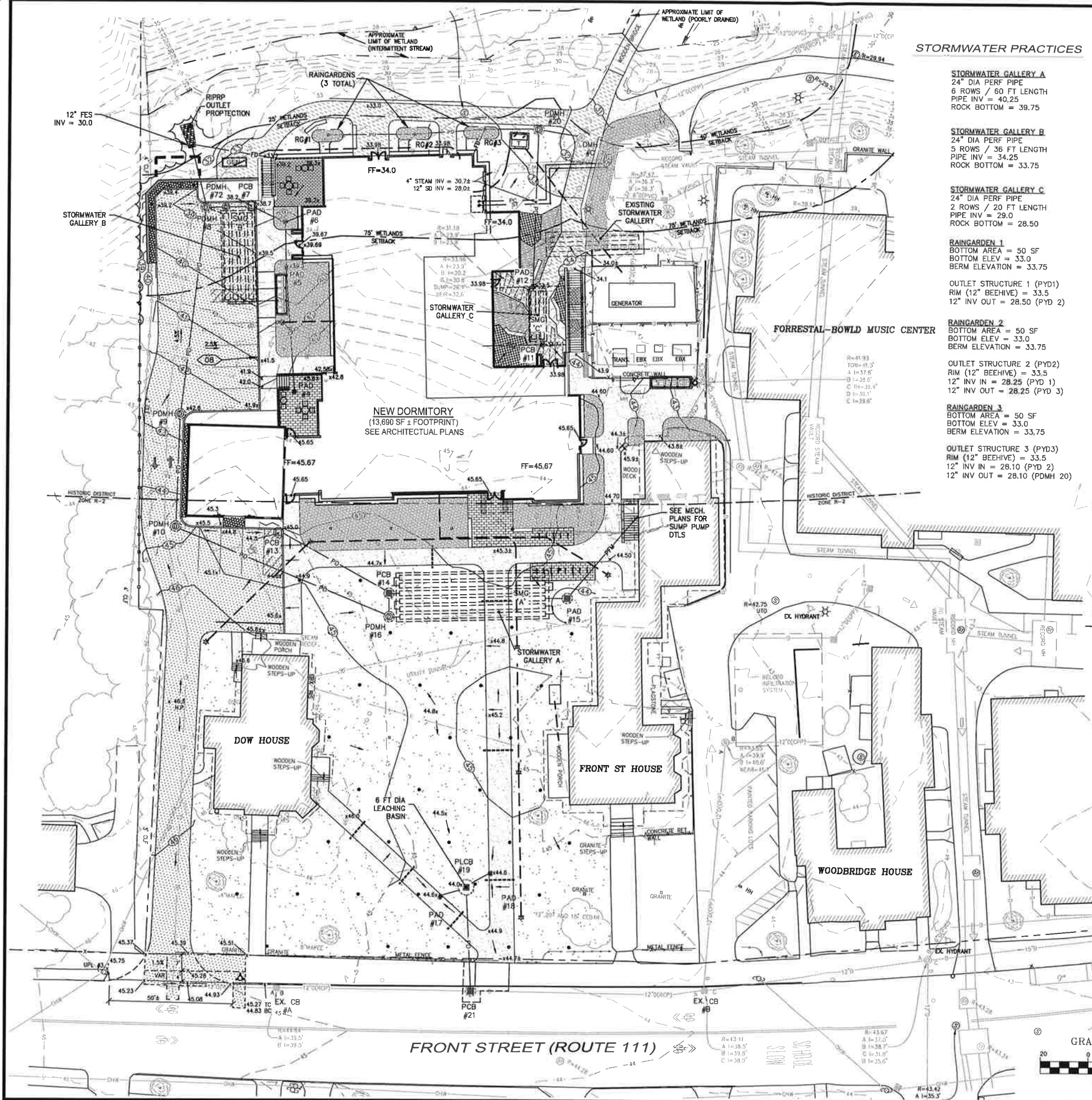
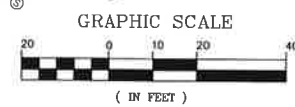
- EXISTING CONDITIONS SURVEY PERFORMED AND PROVIDED BY NITSCH ENGINEERING, SEE EXISTING CONDITIONS SURVEY, SHEETS EX-1 AND EX-2.
- WETLANDS DELINEATION BY GOVE ENVIRONMENTAL SERVICES, INC., EXETER, NH.
- HIGH INTENSITY SOILS SURVEY (HISS) / SITE SPECIFIC SOIL MAPPING (SSSM) DELINEATION PERFORMED BY GOVE ENVIRONMENTAL SERVICES, INC., IN 2015 AND VERIFIED IN 2019.

**SOIL LEGEND:**  
THE EXISTING SITE HAS BEEN IDENTIFIED AS SOIL TYPE 211/24 HISS/SSSM WITH AGAWAM SOIL GROUP, HYDROLOGIC SOIL GROUP B.

HISS SYMBOL	SSSM EQUIVALENT	MAP UNIT NAME	HSG
211	24	AGAWAM	B
766	799	PAVEMENT/GRAVEL/BLDG.	

PROPOSED DRAINAGE LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED SPOT GRADE
- PROPOSED DRAIN LINE
- PROPOSED CATCH BASIN (PCB)
- PROPOSED STORM DRAIN MANHOLE (PDM)
- PROPOSED AREA DRAIN (PAD)
- PROPOSED LEACHING CATCH BASIN (PLCB)
- PROPOSED STORMWATER MANAGEMENT GALLERY (SMG)
- PROPOSED RETAINING WALL ELEVATIONS  
TW = TOP OF WALL ELEVATION  
BW = FINISHED GROUND AT BOTTOM FAC OF WALL



THIS DRAWING HAS NOT BEEN RELEASED FOR CONSTRUCTION