

APPROVED FOR THE RECORD:

EXETER PLANNING BOARD DATE

# PHILLIPS EXETER ACADEMY

## NEW DORMITORY (REMOVE FISHER THEATER)

Owner:



Phillips Exeter Academy  
20 Main Street  
Exeter, New Hampshire 03833

TAX MAP 72, LOT 209  
FRONT STREET  
EXETER, NEW HAMPSHIRE

Architect:



250 Summer Street  
4th Floor  
Boston, MA 02210-1135  
www.slamcoll.com

### APPLICATION FOR SITE PLAN REVIEW

Plan Issue Dates:

September 25, 2020 Planning Board Approval  
(August 4, 2020 Initial Submittal)

Civil Engineer:



133 COURT STREET PORTSMOUTH, NH 03801  
VOICE: (603) 433-2335  
FAX: (603) 433-4194

Landscape Architect:



Kyle Zick Landscape Architecture, Inc.  
36 Bromfield Street Suite 202 Boston, MA 02108 617 451-1018 Tel  
www.kylezick.com

Surveyor:

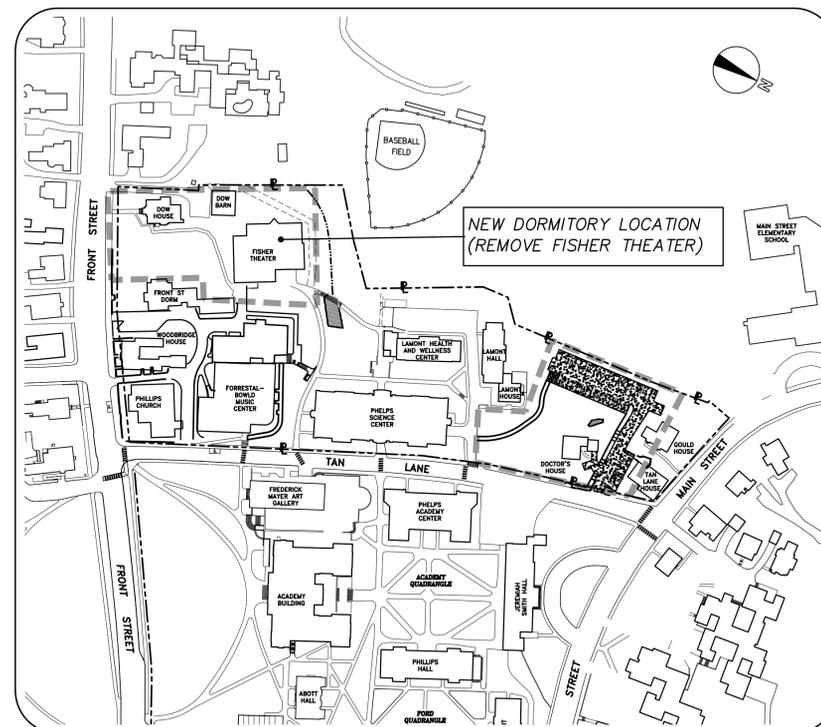


www.nitscheng.com  
2 Center Plaza, Suite 430  
Boston, MA 02108

Soil/Wetland Scientist:

Gove Environmental Services, Inc.  
4 Franklin Street A-2  
Exeter, NH 03833

Sheet Index Title	Sheet No.:	Rev.	Date
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Floor Plans (SLAM)	PR 100-103	1	09/25/20
Building Elevations (SLAM)	PR 201-202	1	09/25/20



LOCUS MAP  
1" = 150'

PERMIT APPROVAL NOTES:

CONSTRUCTION SHALL NOT COMMENCE UNTIL ALL REGULATORY APPROVALS HAVE BEEN RECEIVED. DRAWINGS ISSUED SEPTEMBER 25, 2020 ARE SUBJECT TO CHANGE BASED ON LOCAL, STATE AND FEDERAL REGULATORY REVIEW AND APPROVALS. DRAWINGS WILL BE REVISED AND REISSUED AS NECESSARY TO ADDRESS REGULATORY COMMENTS AND CONDITIONS OF APPROVALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTING THE PROJECT IN ACCORDANCE WITH ALL CONDITIONS OF THE APPROVALS.

- ZONING BOARD OF ADJUSTMENT – ON AUGUST 18, 2020 GRANTED:
  - VARIANCE TO EXCEED 35 FOOT BUILDING HEIGHT.
  - SPECIAL EXEMPTION FOR EXPANSION OF NON-CONFORMING USE IN R-2 ZONING DISTRICT.
- PLANNING BOARD WETLANDS CONDITIONAL USE PERMIT APPROVAL, DATED \_\_\_\_\_
- PLANNING BOARD SITE PLAN APPROVAL, DATED \_\_\_\_\_
  - WAIVERS GRANTED FROM SITE PLAN REVIEW AND SUBDIVISION REGULATIONS.
    - SECTION 9.3.6.4 – WORK WITHIN FIVE FEET OF THE PROPERTY LINE
    - ZONING 5.6.6 – OFF STREET PARKING REQUIREMENTS
- CONTRACTOR SHALL PREPARE A STORMWATER POLLUTION PREVENT PLAN (SWPPP) AND FILE A NOTICE OF INTENT (NOI) 14 DAYS PRIOR TO BEGINNING CONSTRUCTION PER NPDES REQUIREMENTS.

7/29/2020 8:47 AM  
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SEE SHEET  
EX-2

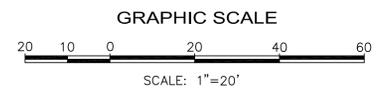
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#2 MAG NAIL  
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LEGEND	
	CATCH BASIN
	CABLE TELEVISION MANHOLE
	DRAIN MANHOLE
	ELECTRIC MANHOLE
	MISCELLANEOUS MANHOLE
	SEWER MANHOLE
	TELEPHONE MANHOLE
	WATER MANHOLE
	GAS SHUT-OFF
	WATER SHUT-OFF
	GAS GATE
	GAS METER
	SIAMESE SPRINKLER
	WATER GATE
	IRRIGATION CONTROL VALVE
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	FIRE HYDRANT
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	TRASH CAN
	FIRE ALARM CALL BOX
	EMERGENCY PHONE BOOTH
	METAL POST
	CONCRETE POST
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	HANDICAP PARKING
	SPOT ELEVATION
	CHAIN LINK FENCE
	BITUMINOUS CONCRETE BERM
	SLOPED GRANITE CURB
	VERTICAL GRANITE CURB
	VERTICAL CONCRETE CURB
	WHEELCHAIR RAMP
	LANDSCAPE TIMBER
	RIM ELEVATION EQUALS
	INVERT ELEVATION EQUALS
	TOP OF HOOD ELEVATION EQUALS
	NO PIPES VISIBLE
	TOP OF WATER
	REINFORCED CONCRETE PIPE
	CORRUGATED PLASTIC PIPE
	POLYVINYL CHLORIDE PIPE
	CAST IRON PIPE
	VITRIFIED CLAY PIPE
	WETLAND FLAG
	WETLAND
	UNDERGROUND CABLE TELEVISION LINE
	UNDERGROUND DRAIN LINE
	UNDERGROUND ELECTRIC LINE
	UNDERGROUND GAS LINE
	UNDERGROUND SEWER LINE
	UNDERGROUND TELEPHONE LINE
	UNDERGROUND COMMUNICATION LINE
	UNDERGROUND WATER LINE
	OVERHEAD WIRES
	MONITORING WELL

PLANNING BOARD CASE NUMBER \_\_\_\_\_  
APPROVED BY THE EXETER PLANNING BOARD:

CHAIRPERSON \_\_\_\_\_  
DATE: \_\_\_\_\_



PURSUANT TO RSA 676:18 III AND RSA 671:14

I CERTIFY THAT THIS SURVEY PLAT IS NOT A SUBDIVISION PURSUANT TO THIS TITLE AND THAT THE LINES OF STREETS AND WAYS SHOWN HEREON ARE THOSE OF PUBLIC OR PRIVATE STREETS OR WAYS ALREADY ESTABLISHED AND THAT NO NEW WAYS ARE SHOWN.

THIS SURVEY MEETS OR EXCEEDS THE ACCURACY REQUIREMENTS FOR A NEW HAMPSHIRE URBAN SURVEY.

THE INFORMATION SHOWN ON THIS PLAN IS THE RESULT OF AN ON-THE-GROUND INSTRUMENT SURVEY PERFORMED IN DECEMBER OF 2019 AND JANUARY OF 2020.



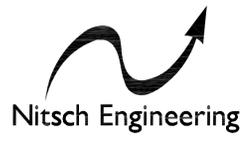
*Jamie G. Gayton*  
JAMIE G. GAYTON, PLS #01022  
JULY 29, 2020  
DATE

### NOTES

- THIS DOCUMENT IS AN INSTRUMENT OF SERVICE OF NITSCH ENGINEERING. IT IS ISSUED TO PHILLIPS EXETER ACADEMY FOR PURPOSES RELATED DIRECTLY AND SOLELY TO NITSCH ENGINEERING'S SCOPE OF SERVICES UNDER CONTRACT WITH PHILLIPS EXETER ACADEMY FOR FISHER THEATER LAND SURVEYING SERVICES. ANY USE OR REUSE OF THIS DOCUMENT FOR ANY REASON BY ANY PARTY FOR PURPOSES UNRELATED DIRECTLY AND SOLELY TO SAID CONTRACT AND PROJECT SHALL BE AT THE USER'S SOLE AND EXCLUSIVE RISK AND LIABILITY, INCLUDING LIABILITY FOR VIOLATION OF COPYRIGHT LAWS, UNLESS WRITTEN AUTHORIZATION IS GIVEN THEREFOR BY NITSCH ENGINEERING.
- THE PURPOSE OF THIS PLAN IS TO SHOW EXISTING CONDITIONS AS THE RESULT OF AN ON-THE-GROUND INSTRUMENT SURVEY WHICH OCCURRED 11/23/2019.
- HORIZONTAL BEARINGS REFER TO NEW HAMPSHIRE STATE PLAN COORDINATE SYSTEM (NAD83) AND THE VERTICAL DATUM REFERS TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). HORIZONTAL BEARING AND VERTICAL DATUM WERE ESTABLISHED FROM RTK GPS OBSERVATIONS.
- THE INFORMATION CONTAINED ON THE DISK OR ELECTRONIC DRAWING FILE ACCOMPANYING THIS PLAN MUST BE COMPARED TO THE SEALED AND SIGNED HARD COPY OF THE PLAN TO ENSURE THE ACCURACY OF ALL INFORMATION AND TO ENSURE NO CHANGES, ALTERATIONS, OR MODIFICATIONS HAVE BEEN MADE. RELIANCE SHALL NOT BE MADE ON A DOCUMENT TRANSMITTED BY COMPUTER OR OTHER ELECTRONIC MEANS UNLESS FIRST COMPARED TO THE ORIGINAL SEALED DOCUMENT ISSUED AT THE TIME OF THE SURVEY. DUE TO THE CRITICAL NATURE OF SURVEYING, DATA ACQUISITION, AND AUTOCAD PLAN DEVELOPMENT, IF CRITICAL DIMENSIONAL INFORMATION IS NEEDED AND IS NOT SPECIFICALLY SHOWN ON THE ELECTRONIC DRAWING FILE, PLEASE CONTACT NITSCH ENGINEERING.
- WETLANDS WERE DELINEATED BY GES INC. IN 2015 AND VERIFIED AND REDELINEATED IN NOVEMBER 2019 PER US ARMY CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL, TECHNICAL REPORT Y-87-1 (JAN 1987), AND REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTH-CENTRAL AND NORTHEAST REGION, VERSION 2.0, JANUARY 2012 AND FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND, VERSION 4, NEW ENGLAND HYDRIC SOILS TECHNICAL COMMITTEE.

### UTILITY INFORMATION STATEMENT

- THE SUB-SURFACE UTILITY INFORMATION SHOWN HEREON IS COMPILED BASED ON FIELD SURVEY INFORMATION, RECORD INFORMATION AS SUPPLIED BY THE APPROPRIATE UTILITY COMPANIES, AND PLAN INFORMATION SUPPLIED BY THE CLIENT, IF ANY; THEREFORE WE CANNOT GUARANTEE THE ACCURACY OF SAID COMPILED SUB-SURFACE INFORMATION TO ANY CERTAIN DEGREE OF STATED TOLERANCE. ONLY PHYSICALLY LOCATED SUB-SURFACE UTILITY FEATURES FALL WITHIN NORMAL STANDARD OF CARE ACCURACIES.
- THE LOCATIONS OF UNDERGROUND PIPES, CONDUITS, AND STRUCTURES HAVE BEEN DETERMINED FROM SAID INFORMATION, AND ARE APPROXIMATE ONLY. COMPILED LOCATIONS OF ANY UNDERGROUND STRUCTURES, NOT VISIBLY OBSERVED AND LOCATED, CAN VARY FROM THEIR ACTUAL LOCATIONS.
- ADDITIONAL BURIED UTILITIES/STRUCTURES MAY BE ENCOUNTERED.
- THE STATUS OF UTILITIES, WHETHER ACTIVE, ABANDONED, OR REMOVED, IS AN UNKNOWN CONDITION AS FAR AS OUR COMPILATION OF THIS INFORMATION.
- IT IS INCUMBENT UPON INDIVIDUALS USING THIS INFORMATION TO UNDERSTAND THAT COMPILING UTILITY INFORMATION IS NOT EXACT, AND IS SUBJECT TO CHANGE BASED UPON VARYING PLAN INFORMATION RECEIVED AND ACTUAL LOCATIONS.
- THE ACCURACY OF MEASURED UTILITY INVERTS AND PIPE SIZES IS SUBJECT TO FIELD CONDITIONS, THE ABILITY TO MAKE VISUAL OBSERVATIONS, DIRECT ACCESS TO THE VARIOUS ELEMENTS AND OTHER MATTERS.
- THE PROPER UTILITY ENGINEERING/COMPANY SHOULD BE CONSULTED AND THE ACTUAL LOCATIONS OF SUBSURFACE STRUCTURES SHOULD BE VERIFIED IN THE FIELD (V.I.F.) BEFORE PLANNING FUTURE CONNECTIONS. CONTACT THE DIG SAFE CALL CENTER AT 1-888-344-7233, SEVENTY-TWO HOURS PRIOR TO EXCAVATION, BLASTING, GRADING, AND/OR PAVING.
- AS OF THE DATE OF THIS PLAN RECORD INFORMATION HAS NOT BEEN RECEIVED BY NITSCH ENGINEERING FOR THE FOLLOWING UTILITIES: TELEPHONE (VERIZON BUSINESS), TOWN OF EXETER FIRE DEPARTMENT, RAILROAD (CSX, PANAM).



**www.nitscheng.com**  
2 Center Plaza, Suite 430  
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T: (617) 338-0063  
F: (617) 338-6472

- Civil Engineering
- Land Surveying
- Transportation Engineering
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- GIS

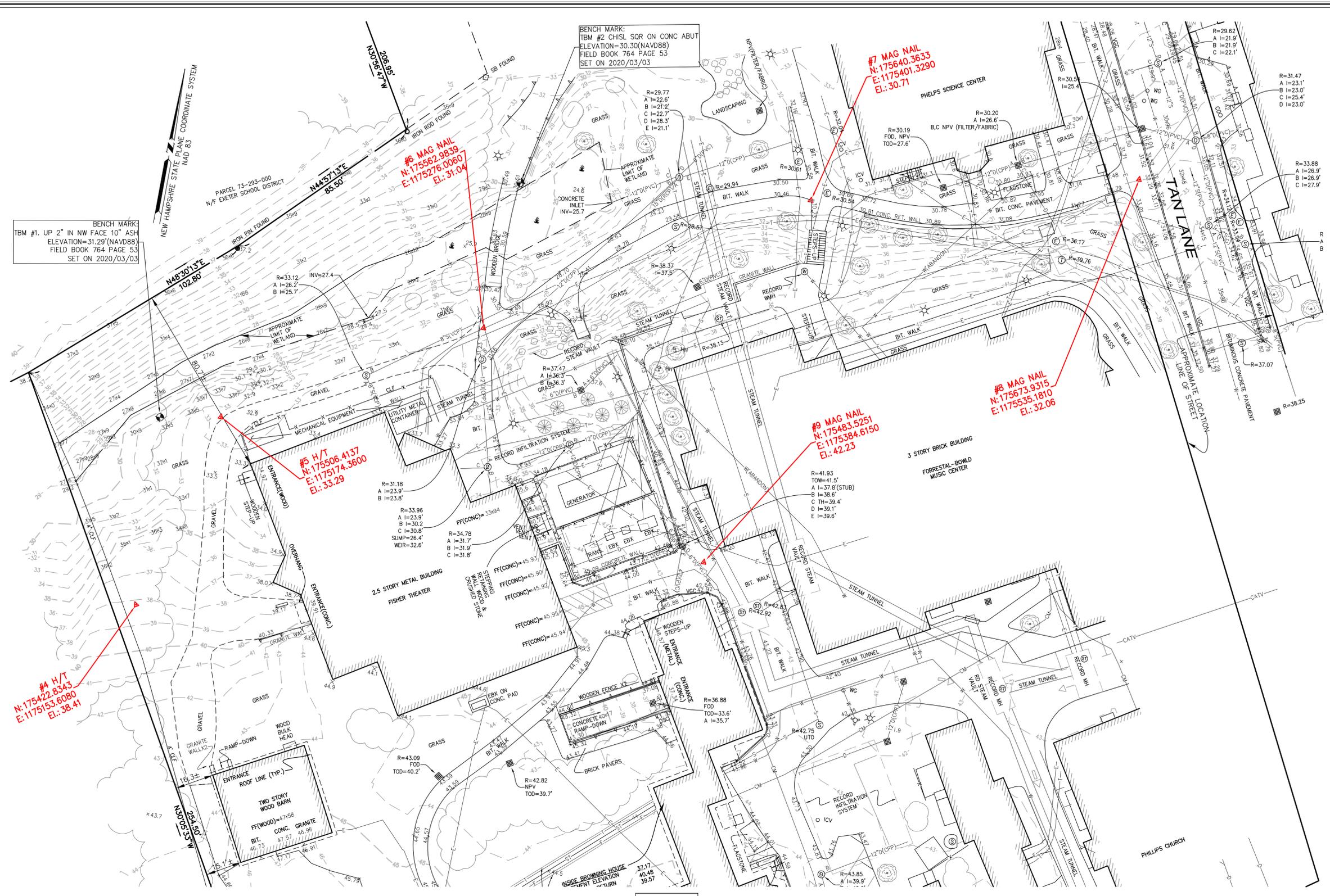
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SCALE: 1"=20'  
DATE: 01/06/2020  
PROJECT MANAGER: JGG  
FIELD BOOK: 684 & 759  
DRAFTED BY: MS  
CHECKED BY: JGG

REV.	DESCRIPTION	DATE
2	BASEMENT DATA	2020/07/29
1	SHEET SIZE	2020/02/27
REV.	COMMENTS	DATE
	REVISIONS	

EXISTING CONDITIONS SURVEY  
FISHER THEATER  
69 FRONT STREET, EXETER, NEW HAMPSHIRE  
PREPARED FOR:  
**PHILLIPS EXETER ACADEMY**  
20 MAIN STREET, EXETER, NEW HAMPSHIRE 03833

SHEET:  
**EX-1**  
OF 2 REV.

7/29/2020, 8:48 AM  
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- LEGEND**
- ⊙ CATCH BASIN
  - ⊙ CABLE TELEVISION MANHOLE
  - ⊙ DRAIN MANHOLE
  - ⊙ ELECTRIC MANHOLE
  - ⊙ MISCELLANEOUS MANHOLE
  - ⊙ SEWER MANHOLE
  - ⊙ TELEPHONE MANHOLE
  - ⊙ WATER MANHOLE
  - ⊙ GAS SHUT-OFF
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  - ⊙ GAS METER
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  - ⊙ WATER GATE
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  - ⊙ CPP CORRUGATED PLASTIC PIPE
  - ⊙ PVC POLYVINYL CHLORIDE PIPE
  - ⊙ CIP CAST IRON PIPE
  - ⊙ VCP VITRIFIED CLAY PIPE
  - ⊙ WF WETLAND FLAG
  - ⊙ WETLAND
  - ⊙ CATV UNDERGROUND CABLE TELEVISION LINE
  - ⊙ D UNDERGROUND DRAIN LINE
  - ⊙ E UNDERGROUND ELECTRIC LINE
  - ⊙ G UNDERGROUND GAS LINE
  - ⊙ S UNDERGROUND SEWER LINE
  - ⊙ T UNDERGROUND TELEPHONE LINE
  - ⊙ CM UNDERGROUND COMMUNICATION LINE
  - ⊙ W UNDERGROUND WATER LINE
  - ⊙ OHW OVERHEAD WIRES
  - ⊙ MONITORING WELL

BENCH MARK:  
TBM #1. UP 2" IN NW FACE 10" ASH  
ELEVATION=31.29'(NAVD88)  
FIELD BOOK 764 PAGE 53  
SET ON 2020/03/03

BENCH MARK:  
TBM #2 CHISL. SQR ON CONC ABUT  
ELEVATION=30.30'(NAVD88)  
FIELD BOOK 764 PAGE 53  
SET ON 2020/03/03

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EL.: 31.04

#7 MAG NAIL  
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#9 MAG NAIL  
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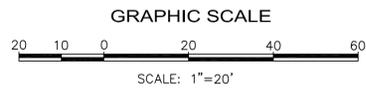
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PURSUANT TO RSA 676:18 III AND RSA 671:14  
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AND THAT THE LINES OF STREETS AND WAYS SHOWN HEREON ARE THOSE OF  
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*Jamie Gayton*  
JAMIE G. GAYTON, PLS #01022

JULY 29, 2020  
DATE

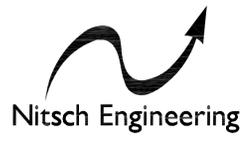


PLANNING BOARD CASE NUMBER \_\_\_\_\_  
APPROVED BY THE EXETER PLANNING BOARD:

CHAIRPERSON \_\_\_\_\_  
DATE: \_\_\_\_\_

NOTE: WETLANDS WERE DELINEATED BY GES INC. IN 2015 AND VERIFIED AND  
REDELINEATED IN NOVEMBER 2019 PER US ARMY CORPS OF ENGINEERS WETLANDS  
DELINEATION MANUAL, TECHNICAL REPORT Y-87-1 (JAN 1987). AND REGIONAL  
SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL:  
NORTHCENTRAL AND NORTHEAST REGION, VERSION 2.0, JANUARY 2012 AND FIELD  
INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND, VERSION 4, NEW  
ENGLAND HYDRIC SOILS TECHNICAL COMMITTEE.

SEE SHEET  
EX-1



**www.nitscheng.com**  
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F: (617) 338-6472

- ▶ Civil Engineering
- ▶ Land Surveying
- ▶ Transportation Engineering
- ▶ Structural Engineering
- ▶ Green Infrastructure
- ▶ Planning
- ▶ GIS

PROJECT # JGG  
FILE: 13418.1\_TOPO1.dwg  
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REV.	DESCRIPTION	DATE
2	BASEMENT DATA	2020/07/29
1	24X36 SHEETS	2020/02/27
	COMMENTS	DATE
	REVISIONS	

**EXISTING CONDITIONS SURVEY**  
FISHER THEATER  
69 FRONT STREET, EXETER, NEW HAMPSHIRE  
PREPARED FOR:  
**PHILLIPS EXETER ACADEMY**  
20 MAIN STREET, EXETER, NEW HAMPSHIRE 03833

SHEET:  
**EX-2**  
OF 2 REV.

CASE #20-12

APPROVED FOR THE RECORD:

EXETER PLANNING BOARD DATE



**ALTUS**  
ENGINEERING, INC.

133 COURT STREET PORTSMOUTH, NH 03801  
(603) 433-2335 www.ALTUS-ENG.com



**SLAM**

250 Summer Street  
4th Floor  
Boston, MA 02210-1135

www.slamcoll.com

ISSUED FOR:  
PLANNING BOARD APPROVAL

ISSUE DATE:  
SEPTEMBER 25, 2020

NO.	DESCRIPTION	BY	DATE
0	INITIAL SUBMITTAL	CDB	07/31/20
1	PB SUBMITTAL	CDB	08/04/20
2	TRC COMMENTS	CDB	09/25/20

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

SCALE: 1"=80'

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

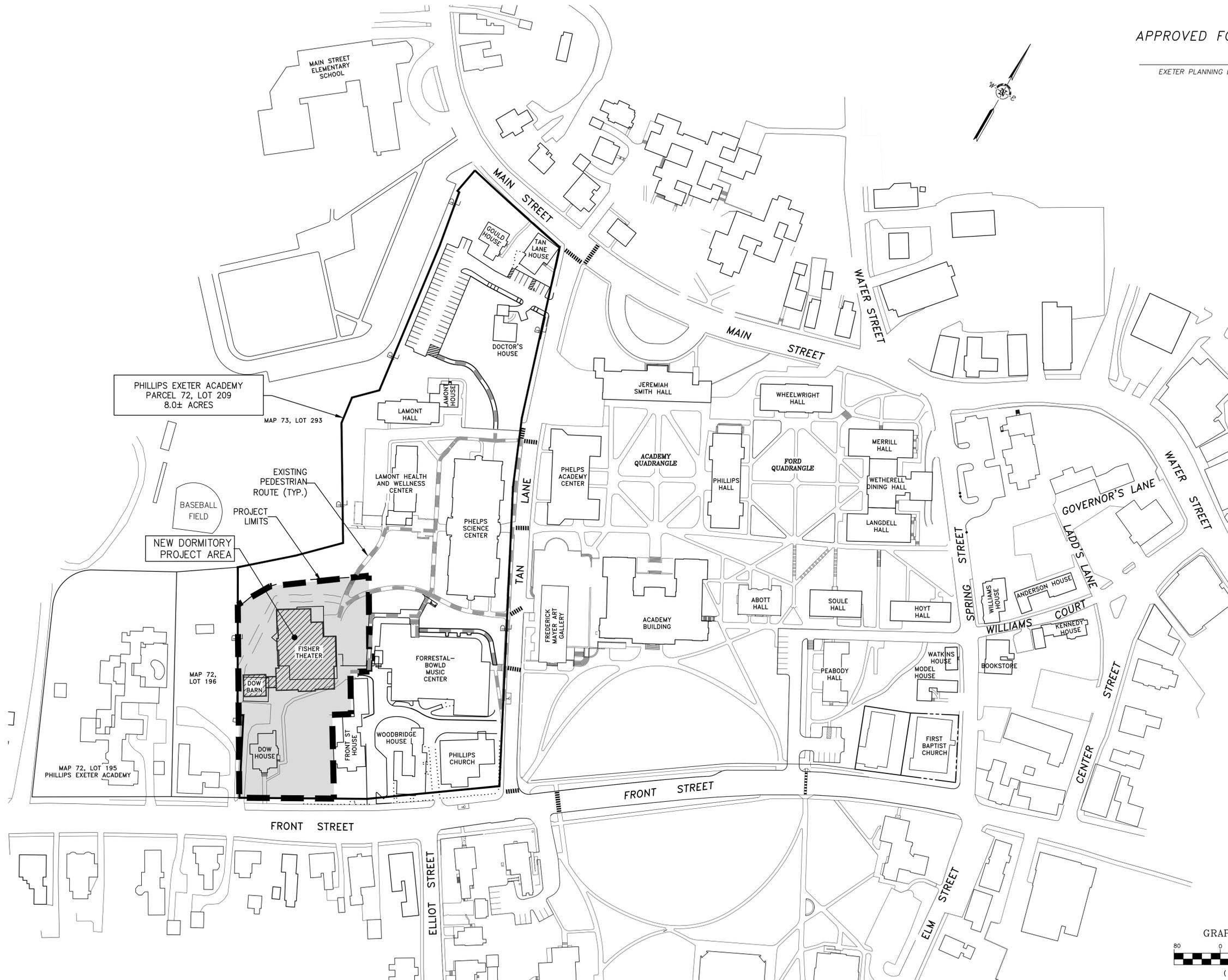
PROJECT:  
PHILLIPS EXETER ACADEMY  
NEW DORMITORY

ASSESSOR PARCEL 72, LOT 209

TITLE:  
**AREA PLAN**

SHEET NUMBER:

**C0.01**



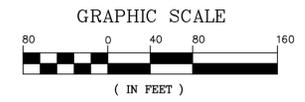
PHILLIPS EXETER ACADEMY  
PARCEL 72, LOT 209  
8.0± ACRES

MAP 73, LOT 293

NEW DORMITORY  
PROJECT AREA

MAP 72,  
LOT 196

MAP 72, LOT 195  
PHILLIPS EXETER ACADEMY



THIS DRAWING HAS NOT BEEN  
RELEASED FOR CONSTRUCTION

P6030



133 COURT STREET PORTSMOUTH, NH 03801  
(603) 433-2335 www.ALTUS-ENG.COM



250 Summer Street  
4th Floor  
Boston, MA 02210-1135  
www.slamcoll.com

ISSUED FOR:  
PLANNING BOARD APPROVAL

ISSUE DATE:  
SEPTEMBER 25, 2020

NO.	DESCRIPTION	BY	DATE
0	ZBA SUBMITTAL	CDB	08/04/20
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:  
SITE NOTES

SHEET NUMBER:

C1.01

P5030

**CONSTRUCTION NOTES:**

- DO NOT BEGIN CONSTRUCTION UNTIL ALL LOCAL PERMITS HAVE BEEN APPLIED FOR AND RECEIVED. THE LANDOWNER AND CONTRACTOR ARE RESPONSIBLE FOR COMPLYING WITH ALL LOCAL, STATE, AND FEDERAL WETLANDS REGULATIONS, INCLUDING ANY PERMITTING AND SETBACKS REQUIREMENTS REQUIRED UNDER THESE REGULATIONS. SEE PROJECT MANUAL APPENDICES FOR COPY OF PERMITS.
- CONTRACTOR SHALL OBTAIN A "DISSAFE" NUMBER AND NOTIFY OWNER'S AUTHORIZED REPRESENTATIVE AT LEAST 72 HOURS PRIOR TO COMMENCING CONSTRUCTION.
- SITE CONSTRUCTION SHALL COMPLY WITH THE RULES AND REGULATIONS OF THE AMERICANS WITH DISABILITIES ACT (ADA) AS PUBLISHED IN THE FEDERAL REGISTER, VOL. 56, NO. 144, DATED JULY 26, 1991.
- COORDINATE ALL WORK WITHIN TEN (10') FEET OF PROPOSED BUILDINGS WITH BUILDING CONTRACTOR AND ARCHITECTURAL DRAWINGS.
- CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING STRUCTURES, BITUMINOUS CONCRETE, DEBRIS, AND CONSTRUCTION WASTE PRODUCTS WHICH ARE NOT AUTHORIZED, TO BE USED AS PART OF CONSTRUCTION. DISPOSE OF EXCESS MATERIALS OFF-SITE IN ACCORDANCE WITH NH DEPARTMENT OF ENVIRONMENTAL SERVICES REQUIREMENTS.
- CLEAN AND COAT VERTICAL FACE OF EXISTING PAVEMENT AT SAWCUT LINE WITH RS-1 IMMEDIATELY PRIOR TO PLACING NEW BITUMINOUS CONCRETE.
- STRIP PARKING AND DRIVES AS SHOWN INCLUDING PARKING SPACES. ALL MARKINGS TO BE CONSTRUCTED USING WHITE TRAFFIC PAINT, MEETING THE REQUIREMENTS OF AASHTO M248, TYPE F.
- ALL PAVEMENT MARKINGS AND SIGNS TO CONFORM TO ADA REQUIREMENTS AND "MANUAL ON UNIFORM TRAFFIC DEVICES" AND "STANDARD ALPHABETS OF HIGHWAY SIGNS AND PAVEMENT MARKINGS" LATEST EDITIONS.
- UPON COMPLETION OF CONSTRUCTION, THE DRAINAGE INFRASTRUCTURE SHALL BE CLEANED OF ALL DEBRIS AND SEDIMENT.
- PROTECTION OF SUBGRADE: THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN STABLE, DEWATERED SUBGRADES FOR FOUNDATIONS, PAVEMENT AREAS, UTILITY TRENCHES, AND OTHER AREAS DURING CONSTRUCTION. SUBGRADE DISTURBANCE MAY BE INFLUENCED BY EXCAVATION METHODS, MOISTURE, PRECIPITATION, GROUNDWATER CONTROL, AND CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PREVENT SUBGRADE DISTURBANCE. SUCH PRECAUTIONS MAY INCLUDE DIVERTING STORMWATER RUNOFF AWAY FROM CONSTRUCTION AREAS, REDUCING TRAFFIC IN SENSITIVE AREAS, AND MAINTAINING AN EFFECTIVE DEWATERING PROGRAM. SOILS EXHIBITING HEAVING OR INSTABILITY SHALL BE OVER EXCAVATED TO MORE COMPETENT BEARING SOIL AND REPLACED WITH FREE DRAINING STRUCTURAL FILL.
- IF THE EARTHWORK IS PERFORMED DURING FREEZING WEATHER, EXPOSED SUBGRADES ARE SUSCEPTIBLE TO FROST. NO FILL OR UTILITIES SHALL BE PLACED ON FROZEN GROUND. THIS WILL LIKELY REQUIRE REMOVAL OF A FROZEN SOIL CRUST AT THE COMMENCEMENT OF EACH DAY'S OPERATION. THE FINAL SUBGRADE ELEVATION WOULD ALSO REQUIRE AN APPROPRIATE DEGREE OF INSULATION AGAINST FREEZING.
- THE PROJECT AREA IS OUTSIDE THE 100-YEAR FLOOD ZONE. EXCAVATED MATERIAL NOT USED AS FILL MATERIAL ON SITE, SHALL ONLY BE PLACED IN UPLANDS AREA OUTSIDE OF THE 100 YEAR FLOOD ZONE.
- PLACEMENT OF BORROW MATERIALS SHALL BE PERFORMED IN A MANNER THAT PREVENTS LONG TERM DIFFERENTIAL SETTLEMENT. EXCESSIVELY WET MATERIALS SHALL BE STOCKPILED AND ALLOWED TO DRAIN BEFORE PLACEMENT. FROZEN MATERIAL SHALL NOT BE USED FOR CONSTRUCTION. VOIDS BETWEEN STONES AND CLUMPS OF MATERIAL SHALL BE FILLED WITH FINE MATERIALS.
- ALL DISTURBED AREAS NOT TO BE PAVED OR OTHERWISE TREATED SHALL RECEIVE SIX (6") INCHES OF LOAM, LIMESTONE, FERTILIZER, SEED, MULCH, AND APPROPRIATE SOIL STABILIZATION TECHNIQUES.
- CONTRACTOR TO ESTABLISH AND MAINTAIN TEMPORARY BENCHMARKS (TBMS) AND PERFORM CONSTRUCTION SURVEY LAYOUT.
- THE LOCATION OF EXISTING UNDERGROUND UTILITIES IS APPROXIMATE AND THE LOCATIONS ARE NOT GUARANTEED BY THE ENGINEER, SURVEYOR, OR OWNER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UTILITIES, ANTICIPATE CONFLICTS, REPAIR DAMAGE TO EXISTING UTILITIES, AND RELOCATE EXISTING UTILITIES AT NO EXTRA COST TO THE OWNER.
- CONTRACTOR SHALL MAINTAIN AND PROVIDE RECORD DRAWINGS TO PHILLIPS EXETER ACADEMY AND TO THE TOWN OF EXETER.
- CONTRACTOR SHALL CONTROL DUST BY SPRAYING WATER, SWEEPING PAVED SURFACES AND VEGETATION AND/OR MULCHING STOCKPILES.
- WORK HOURS FOR CONSTRUCTION WILL BE AS APPROVED BY PHILLIPS EXETER ACADEMY AND THE TOWN OF EXETER. STANDARD WORK HOURS SHALL BE 7AM TO 6 PM.
- FILL SPACED WITHIN 3 FEET OF THE OUTSIDE OF FOUNDATION WALLS SHALL CONSIST OF STRUCTURAL FILL, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
- ALL ENTRANCE SLABS AND SIDEWALKS WITHIN 5 FEET OF THE BUILDING SHALL HAVE 4 FEET DEPTH OF STRUCTURAL FILL TO PREVENT FROST HEAVING.
- ALL WATER, SEWER, ROAD (INCLUDING PARKING LOT), AND DRAINAGE WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 9.5 GRADING, DRAINAGE, AND EROSION & SEDIMENT CONTROL AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF PUBLIC UTILITIES IN EXETER, NEW HAMPSHIRE.

**GRADING NOTES:**

- WHERE PROPOSED GRADES MEET EXISTING GRADES, CONTRACTOR SHALL BLEND GRADES TO PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING AND NEW WORK. PONDING AT TRANSITION AREAS WILL NOT BE ACCEPTED. ABRUPT RIDGES AT TOPS AND BOTTOM WILL NOT BE ACCEPTED.
- CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM ALL BUILDING FOUNDATIONS, STRUCTURES AND PLANTING BEDS.
- MAXIMUM SLOPE IN DISTURBED AREAS SHALL BE NO STEEPER THAN 3:1 (H:V), UNLESS OTHERWISE NOTED. WHERE SLOPES IN DISTURBED AREAS ARE STEEPER THAN 3:1, CONTRACTOR SHALL PROVIDE CURLEX II EROSION CONTROL BLANKET FROM AMERICAN EXCELSIOR COMPANY (800) 777-7645 OR APPROVED EQUAL UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL ADJUST UTILITY ELEMENTS MEANT TO BE FLUSH WITH GRADE (CLEANOUTS, UTILITY MANHOLES, CATCH BASINS, INLETS, ETC.) THAT IS AFFECTED BY SITE WORK OR GRADE CHANGES, WHETHER SPECIFICALLY NOTED ON PLANS OR NOT.
- CROSS SLOPES AT ALL WALKS SHALL BE PITCHED TO DRAIN 1 1/2% MINIMUM 2% MAXIMUM.
- PITCH ALL WALKS AND PATIOS AWAY FROM BUILDINGS AT 1-1/2% MINIMUM; PITCH WITHIN 5 FEET OF STAIRS OR DOORS SHALL NOT EXCEED 2%.
- CONTRACTOR SHALL PROVIDE A FINISH PAVEMENT SURFACE FREE OF LOW SPOTS AND PONDING AREAS.
- ALL UNSUITABLE MATERIALS AND SURPLUS MATERIALS WHICH CAN NOT BE APPROPRIATELY WASTED ON SITE SHALL BE REMOVED AT NO ADDITIONAL COST TO THE OWNER.
- THE GRADING ON THIS PLAN SHOWS THE GENERAL INTENT AND DIRECTION OF THE STORMWATER FLOW. CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY FIELD CONDITIONS THAT WILL IMPACT THE GRADING DESIGN SHOWN ON THIS PLAN FOR RESOLUTION.
- SAWCUT AND REMOVE EXISTING PAVEMENT ONE FOOT OFF PROPOSED EDGE OF PAVEMENT OR CURB LINE IN ALL AREAS WHERE NEW PAVEMENT OR CURBING ABUTS EXISTING PAVEMENT.
- SITE PROTECTION FENCE SHALL BE INSTALLED TO MINIMIZE PEDESTRIAN TRAFFIC OVER RECENTLY SEEDED LANDSCAPE AREAS.

**UTILITY NOTES:**

- COORDINATE UTILITY WORK WITH UTILITY COMPANIES.
- ALL ELECTRIC, CABLE, AND TELECOMMUNICATION SERVICES AND CONDUITS SHALL BE LOCATED UNDERGROUND WHERE SHOWN. UNDERGROUND UTILITIES INSTALLATIONS SHALL MEET THE MINIMUM REQUIREMENTS OF TOWN OF EXETER AND UTILITY COMPANIES. ALL UNDERGROUND CONDUITS SHALL HAVE NYLON PULL ROPES TO FACILITATE PULLING IN CABLES.
- CONTRACTOR SHALL VERIFY THE EXACT LOCATION & ELEVATIONS OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION. ANY DISCREPANCIES BETWEEN FIELD AND PLAN SHALL BE IMMEDIATELY REPORTED TO ENGINEER.
- ALL SEWER, DRAINAGE AND WATER INSTALLATIONS SHALL CONFORM TO THE MINIMUM REQUIREMENTS OF THE EXETER PUBLIC WORKS DEPARTMENT AND THE NHDES. THE MORE STRINGENT SPECIFICATION SHALL GOVERN.
- ALL WATER, SEWER, ROAD (INCLUDING PARKING AREAS) AND DRAINAGE WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH EXETER "SITE PLAN REVIEW AND SUBDIVISION REGULATIONS", SECTION 9.5 GRADING, DRAINAGE AND EROSION & SEDIMENT CONTROL AND THE "STANDARD SPECIFICATIONS FOR CONSTRUCTION OF PUBLIC UTILITIES IN EXETER, NEW HAMPSHIRE."
- SEE ELECTRICAL SITE PLAN FOR TYPICAL ELECTRIC/COMMUNICATION CONDUIT TRENCH SECTION.
- VERIFY LOCATION OF UTILITY BOXES WITH OWNER AND UTILITY COMPANIES.
- ALL UTILITY STRUCTURES SHALL BE SET FLUSH WITH PROPOSED GRADE, UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
- THE CONTRACTOR MUST OBTAIN A VALID UTILITY PIPE INSTALLER'S LICENSE AND THE JOB SUPERVISOR OR FOREMAN MUST BE CERTIFIED BY THE TOWN, PRIOR TO WORKING ON ANY WATER, SEWER OR DRAINAGE PIPES THAT ARE IN A TOWN STREET OR RIGHT-OF-WAY, OR THAT WILL CONNECT OR MAY BE CONNECTED, TO A TOWN WATER, SEWER OR DRAINAGE SYSTEM. A CERTIFIED SUPERVISOR OR FOREMAN MUST BE PRESENT AT THE JOB SITE AT ALL TIMES DURING CONSTRUCTION.

**STORMWATER MANAGEMENT / BMP FACILITIES MAINTENANCE PLAN**

Proper construction, inspection, maintenance, and repair are key elements in maintaining a successful stormwater management program on a developed property. Routine inspections ensure permit compliance and reduces the potential for deterioration of infrastructure or reduced water quality.

For the purpose of this Stormwater Management Program, a significant rainfall event is considered an event of three (3) inches in a 24-hour period or 0.5 inches in a one-hour period. It is anticipated that a short, intense event is likely to have a higher potential of erosion for this site than a longer, high volume event.

The following provides a list of recommendations and guidelines for managing the stormwater facilities.

**TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES**

Function – Temporary erosion and sediment control devices are utilized during the construction period to divert, store and filter stormwater from non-stabilized surfaces. These devices include, but are not limited to: silt fences, hay bales, filters, sediment traps, stone check dams, mulch, and erosion control blankets.

- Maintenance
- In general, temporary erosion and sediment control devices shall be inspected and maintained on a weekly basis and following a 0.5-inch storm event.
  - Refer to the Site Plan drawings for the maintenance of temporary erosion and sediment control devices.

**MANICURED LANDSCAPED AREAS – LITTER CONTROL**

Function – Landscaped areas tend to filter debris and contaminants that may block drainage systems and pollute the surface and ground waters.

- Maintenance
- Litter Control and lawn maintenance involves removing litter such as trash, leaves, lawn clippings, pet wastes, oil and chemicals from streets, parking lots, and lawns before materials are transported into surface waters.
  - Litter control shall be implemented as part of the grounds maintenance program.

**MANICURED LANDSCAPED AREAS – FERTILIZER MANAGEMENT**

Function – Fertilizer management involves controlling the rate, timing and method of fertilizer application so that the nutrients are taken up by the plants thereby reducing the chance of polluting the surface and ground waters. Fertilizer management can be effective in reducing the amounts of phosphorus and nitrogen in runoff from landscaped areas, particularly lawns. Soil tests shall be conducted to determine fertilizer application rates.

- Maintenance
- Have the soil tested by your landscaper or local Soil Conservation Service for nutrient requirements and follow the recommendations.
  - Do not apply fertilizer to frozen ground.
  - Clean up any fertilizer spills.
  - Do not allow fertilizer to be broadcast into water bodies.
  - When fertilizing a lawn, water thoroughly, but do not create a situation where water runs off the surface of the lawn.

**MEADOW MIX AREAS – MANAGEMENT**

Function – Meadow mix areas will be maintained in a less intensive manner than manicured lawns in accordance with recommendations based on the final seed mix.

Key to a successful meadow is to minimize the weed germination until the meadow gets established, by starting with a clean soil free of weed seeds – utilize a composted manufactured soil as topsoil. Do not turn or till soil, and broadcast seeds as per supplier's directions.

- Maintenance
- Fertilizer is typically not required unless the soils are particularly infertile.
  - The 1st year mow 2 to 3 times using a high mow of 10"-12"; time the cut so that the annual weeds don't go to seed.
  - Subsequent years mow only in early spring (early April) to 6" before bud break.

**CATCH BASIN AND AREA DRAIN CLEANING**

Function – Catch basins and area drains collect stormwater, catch basins primarily from parking lots and area drains from lawn areas. Stormwater often contains sediment and contaminants. Catch basin sumps serve to trap sediment, trace metals, nutrients and debris. Hooded catch basins trap hydrocarbons and floating debris.

- Maintenance
- Remove leaves and debris from catch basin and area drain grates on an as-needed basis, especially in the fall when leaves are falling.
  - Remove any free petroleum product from the water surface by pumping or adsorbent pads. Dispose of product and pads at an approved facility in accordance with applicable state and federal requirements
  - Catch basin sumps shall be cleaned on an annual basis to protect water quality. Catch basin debris shall be disposed of at a solid waste disposal facility.
  - Remove cover of area drains and inspect pipes for debris.

**STREET/PARKING LOT SWEEPING (DENSE PAVEMENT)**

Function – Parking lots accumulate sand and debris. Street sweeping removes the sand and debris, which lowers transport of sediment and pollutants the stormwater systems and into the environment.

- Maintenance
- A regular periodic cleaning schedule is recommended. The more frequent, the greater the sediment and pollutant removal. Regular cleaning of paved surfaces reduces the frequency of cleaning catch basins and drainage systems. It is recommended that the parking lots and access ways shall be swept at least once a month during winter months.

**DE-ICING CHEMICAL USE AND STORAGE**

Function – Salt and sand is used for de-icing of walkways, parking lots and drives. Care shall be taken to prevent the over-application of salt for melting ice.

- Maintenance
- Proper storage of salt is critical. Salt is highly water-soluble. Contamination of wetlands and other sensitive areas can occur when salt is stored in open areas. Salt shall stored in a building at all times
  - When parking lots and walkways are free of snow and ice, they shall be swept clean. Disposal of sweepings shall be at a solid waste disposal facility.

**CULVERTS AND DRAINAGE PIPES**

Function – Culverts and drainage pipes convey stormwater away from buildings, walkways, and parking areas.

- Maintenance
- Culverts and drainage pipes shall be inspected semi-annually, or more often as needed, for accumulation of debris and structural integrity. Leaves and other debris shall be removed from the inlet and outlet to insure the functionality of drainage structures. Debris shall be disposed of on site where it will not concentrate back at the drainage structures or at a solid waste disposal facility.

**PERMEABLE PAVERS**

Function – Porous pavement is designed to capture rainwater runoff containing suspended solids, nutrients and pollutants. Proper maintenance of porous pavement is crucial for ensuring its longevity and functionality to infiltrate runoff.

- Maintenance
- New porous pavement shall be inspected several times in the first month after construction and at least annually thereafter. Inspections shall be conducted after major storms to check for surface ponding that might indicate possible clogging. Inspect annually for deterioration or uneven settling of pavers. Vacuum sweeping shall be performed annually or as necessary based on inspections. Power washing may be required prior to vacuum sweeping to dislodge trapped particles.
  - Sand and abrasives shall not be used for winter maintenance, as they will clog the system; de-icing materials shall be used instead.

**STORMWATER MANAGEMENT GALLERIES**

Function – Stormwater management galleries (SMG), as referred to for this project, are subsurface stormwater storage chambers with open graded stone. The SMGs provide several important stormwater functions including pre-treatment in "isolator rows" and detains stormwater to attenuate peak rates of runoff as well as provide water quality treatment where soils are conducive to infiltration and through extended detention and infiltration.

- Maintenance – Maintaining a clean and obstruction-free retention/detention system helps to ensure the system performs the intended function of the primary design. Buildup of debris may obstruct flow through the laterals in a retention system or block the entranceway of the outlet pipe in a detention system. This may result in ineffective operation or complete failure of the system. Additionally, surrounding areas may potentially run the risk of damage due to flooding or other similar issues. All retention/detention systems must be cleaned and maintained. Underground systems may be maintained more cost effectively if these simple guidelines are followed. Inspection should be performed at a minimum of once per year. Cleaning should be done at the discretion of individuals responsible to maintain proper storage and flow. While maintenance can generally be performed year round, it should be scheduled during a relatively dry season.

**GENERAL CLEAN UP**

Upon completion of the project, the contractor shall be remove all temporary stormwater structures (i.e., temporary stone check dams, silt fence, temporary diversion swales, catch basin inlet basket, etc.). Any sediment deposits remaining in place after the silt fence or filter barrier is no longer required shall be dressed to conform with the existing grade, prepared and seeded. Remove any sediment in catch basins and clean drain pipes that may have accumulated during construction.

**LEGEND**

---	JURISDICTIONAL WETLANDS
▲	WETLANDS SYMBOL
⊕ □	EX. DMH / CB
D	EX. DRAIN LINE
⊙	EX. SMH
S	EX. SEWER LINE
G	EX. GAS LINE
W	EX. WATER LINE
ST	EX. STEAM LINE
---	EX. STEAM TUNNEL
T	EX. TELE-COMMUNICATION
E	EX. ELECTRICAL
□	PROP. DRAIN INLET PROTECTION
TBR	TO BE REMOVED
TOS	TOP OF SLOPE
PDI	PROP. DROP INLET STRUCTURE
PDMH	PROP. DRAIN MANHOLE
PCB	PROP. CATCH BASIN
PAD	PROP. AREA DRAIN
VGC	VERTICAL GRANITE CURB
SGC	SLOPE GRANITE CURB
CB	BITUMINOUS CURB
TOW	TOP OF WALL
BOW	BOTTOM OF WALL
TOC	TOP OF CURB
BOC	BOTTOM OF CURB
CO	CLEANOUT
LP	PROP. LIGHT POLE
HH	PROP. HANDHOLE
PD	PROP. DRAIN LINE
FD	PROP. FOUNDATION DRAIN
RD	PROP. ROOF DRAIN
UD	PROP. UNDERDRAIN
PS	PROP. SEWER
PE	PROP. ELECTRIC
UTC	PROP. TELECOMMUNICATION
PW	PROP. WATER
X 36.9	PROP. SPOT ELEVATION
36	PROP. FINISH GRADE

**Long Term Inspection & Maintenance Schedule**

	Spring	Fall or Yearly	After Major Storm	Every 5 Years
<b>Vegetated Areas</b>				
Inspect all slopes and embankments	x		x	
Replant bare areas or areas with sparse growth	x		x	
Armor areas with rill erosion with an appropriate lining or divert the erosive flows to on-site areas able to withstand concentrated flows.	x		x	
<b>Stormwater Channels</b>				
Inspect ditches, swales and other open stormwater channels	x	x	x	
Remove any obstructions and accumulated sediments or debris	x	x		
Control vegetated growth and woody vegetation	x			
Repair any erosion of the ditch lining	x			
Mow vegetated ditches	x			
Remove woody vegetation growing through riprap	x			
Repair any slumping side slopes	x			
Replace riprap where underlying filter fabric or underdrain gravel is exposed or where stones have been dislodged	x			
<b>Culverts</b>				
Remove accumulated sediments and debris at inlet, outlet and within the conduit	x	x	x	
Repair any erosion damage at the culvert's inlet and outlet	x	x	x	
Remove woody vegetation growing through riprap	x			
<b>Catch Basin</b>				
Remove accumulated sediments from basin sump				x
<b>Roadways and Parking Surfaces</b>				
Remove accumulated winter sand along roadways	x			
Sweep pavement to remove sediment	x			
Remove sediment and debris from joint openings of permeable pavers	x	x		
Grade road shoulders and remove excess sand either manually or by a front-end loader	x			
Grade gravel roads and gravel shoulders	x			
Clean out sediment contained in water bars or open-top culverts	x			
Ensure that stormwater is not impeded by accumulations of material or false ditches in the roadway shoulder	x			
<b>Vegetative Swale</b>				
Mow grass swales monthly	x	x	x	
Inspect swale following significant rainfall event	x			
Control vegetated growth and woody vegetation	x	x		
Repair any erosion of the ditch	x	x		
Remove debris and litter as necessary				

**NOTE:**

ALL FACILITIES SHALL BE INSPECTED ON AN ANNUAL BASIS AT A MINIMUM. IN ADDITION, ALL FACILITIES SHALL BE INSPECTED AFTER A SIGNIFICANT PRECIPITATION EVENT TO ENSURE THE FACILITY IS DRAINING APPROPRIATELY AND TO IDENTIFY ANY DAMAGE THAT OCCURRED AS A RESULT OF THE INCREASED RUNOFF. FOR THE PURPOSE OF THIS STORMWATER MANAGEMENT PROGRAM, A SIGNIFICANT RAINFALL EVENT IS CONSIDERED AN EVENT OF THREE (3) INCHES IN A 24-HOUR PERIOD OR 0.5 INCHES IN A ONE-HOUR PERIOD. IT IS ANTICIPATED THAT A SHORT, INTENSE EVENT IS LIKELY TO HAVE A HIGHER POTENTIAL OF EROSION FOR THIS SITE THAN A LONGER, HIGH VOLUME EVENT.



ISSUED FOR:  
PLANNING BOARD APPROVAL

ISSUE DATE:  
SEPTEMBER 25, 2020

NO.	DESCRIPTION	BY	DATE
0	PB SUBMITTAL	CDB	08/04/20
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

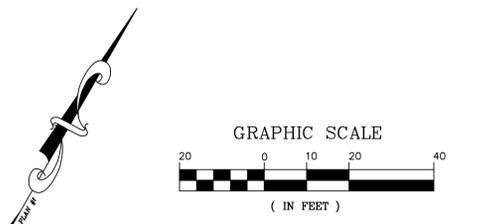
ASSESSOR PARCEL 72, LOT 209

TITLE:  
SITE PREPARATION PLAN

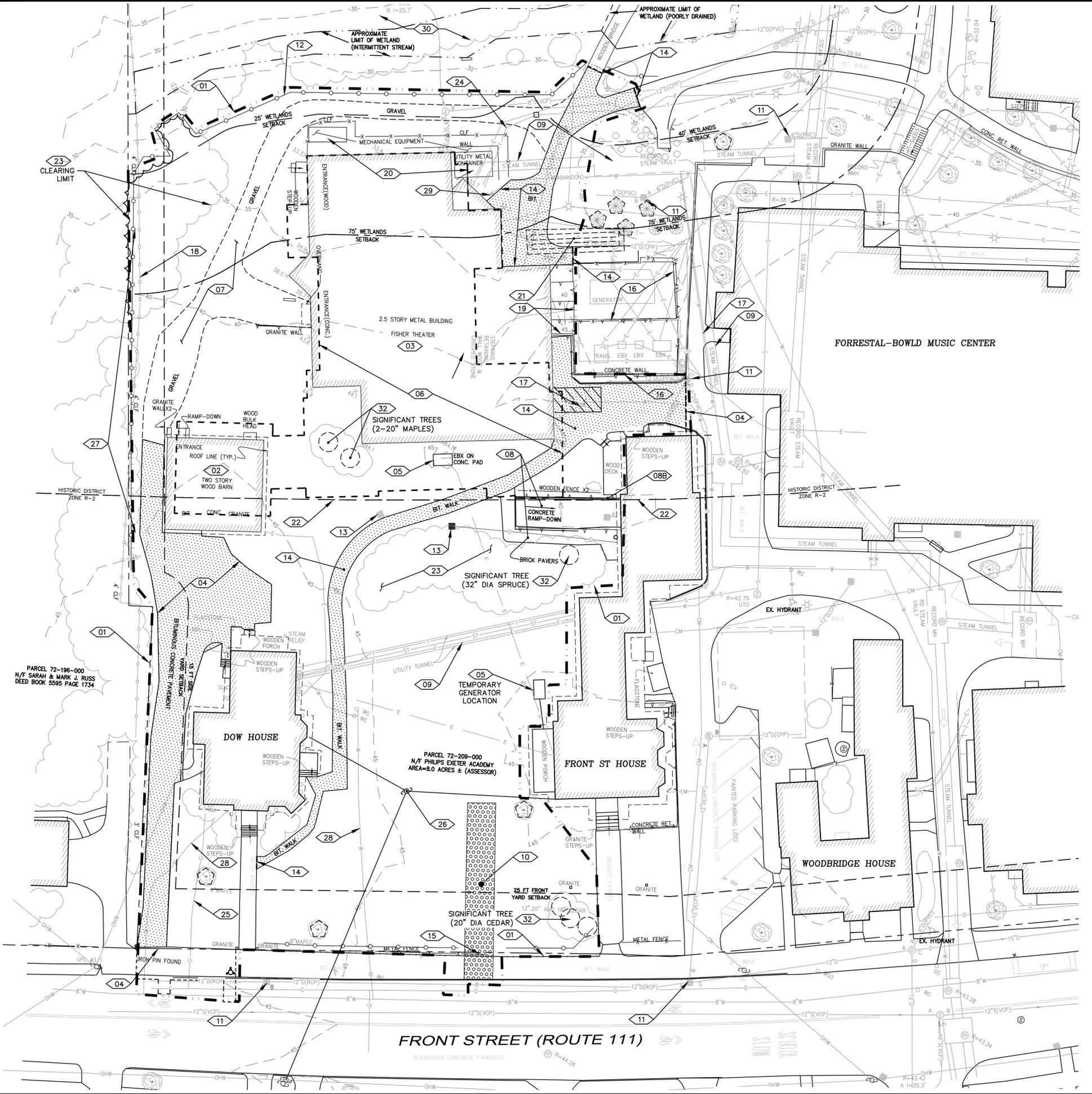
SHEET NUMBER:  
C2.01

**NOTES:**  
PROJECT DISTURBANCE AREA EXCEEDS 1 ACRE AND REQUIRES A STORMWATER POLLUTION PROTECTION PLAN (SWPPP) IN ACCORDANCE WITH THE NPDES GENERAL CONSTRUCTION PERMIT. CONTRACTOR AND OWNER EACH SHALL FILE A NOTICE OF INTENT (NOI) 14 DAYS PRIOR TO START OF CONSTRUCTION. TEMPORARY EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO THE START OF CONSTRUCTION AND MAINTAINED UNTIL THE SITE IS STABILIZED.

- KEY NOTES:**
- 01 APPROXIMATE LIMITS OF WORK
  - 02 STRUCTURE TO BE RELOCATED AND PRESERVED. DOWN BARN TO BE RELOCATED AND CONVERTED TO FACULTY APARTMENTS.
  - 03 STRUCTURE TO BE RAZED. REMOVE EXISTING FISHER THEATER AND ASSOCIATED STEPS AND RETAINING WALLS. SEE FOUNDATION PLANS FOR LIMITS OF FOUNDATIONS TO REMAIN. DISCONNECT UTILITIES AND REMOVE AS REQUIRED. PRESERVE SERVICES FOR RE-CONNECTION TO NEW BUILDING.
  - 04 LIMITS OF ASPHALT PAVEMENT REMOVAL
  - 05 TEMPORARILY RELOCATE EX. 15V KW GENERATOR DURING CONSTRUCTION TO CONTINUE TO SUPPLY POWER BROWNING HOUSE AND DOW HOUSE. (SEE ELEC. SITE PLAN ES 1.00)
  - 06 NEW DORM BUILDING. SEE ARCHITECTURAL PLANS.
  - 07 REMOVE EX. GRAVEL DRIVE AS REQUIRED
  - 08 REMOVE CONC. RAMP, BRICK PAVERS, RETAINING WALLS, AND WOOD FENCING
  - 08B MAINTAIN APPROXIMATELY SIX (6) FEET OF NORTH RAMP WALL AT BUILDING FOR NEW STAIR ENTRANCE. SEE STRUCTURAL PLANS.
  - 09 PRESERVE STEAM VAULT, TUNNELS, AND VENTS EXCEPT WHERE SHOWN FOR REMOVAL ON MECHANICAL DWGS. (SEE MECH. DWG.S)
  - 10 INSTALL 75' LONG STABILIZED CONSTRUCTION EXIT; REMOVE CURB AND SIDEWALK AT FRONT STREET; MAINTAIN AND RELOCATE DURING CONSTRUCTION, AS NEEDED BASED ON ACTIVE CONSTRUCTION STAGES.
  - 11 INSTALL STORM DRAIN INLET PROTECTION (ALL DRAIN INLETS WITHIN 100 FEET OF CONSTRUCTION LIMITS)
  - 12 INSTALL SEDIMENTATION BARRIER, TYP. (2 ROWS ADJACENT TO STREAM)
  - 13 REMOVE AND ABANDON EXISTING DRY WELL; CONNECT ROOF DRAIN TO PROPOSED CB #6; SEE DRAINAGE AND GRADING PLAN
  - 14 REMOVE BIT WALKWAY TO LIMITS SHOWN ON PLANS
  - 15 REMOVE METAL FENCING AND INSTALL TEMPORARY CONSTRUCTION EXIT AT FUTURE WALKWAY ACCESS
  - 16 PRESERVE AND PROTECT EXISTING RETAINING WALL
  - 17 DISCONNECT WATER SERVICE FROM BUILDING (6" MAIN); CAP AND PROTECT IN PLACE; SEE UTILITY PLAN FOR NEW WATER MAIN
  - 18 PRESERVE AND PROTECT EXISTING 4 FT CHAIN LINK FENCE; REMOVE AND REPLACE 4 FT CHAIN LINK FENCE WHERE TO PROPERTY LINE (APPROX. 150 LF)
  - 19 REMOVE STEPPED RETAINING WALL, GRANITE BLOCKS, AND CRUSHED STONE; PRESERVE RETAINING WALL ADJACENT TO MECHANICAL EQUIPMENT.
  - 20 REMOVE ELECTRICAL EQUIPMENT, PADS, AND FENCING. (SEE MECHANICAL SITE PLAN)
  - 21 PROTECT EXISTING SUB-SURFACE STORM DRAIN CHAMBERS. (SEE GRADING AND DRAINAGE PLANS)
  - 22 LIMITS OF FRONT STREET HISTORIC DISTRICT AS DEFINED BY TOWN OF EXETER ZONING ORDINANCE SECTION 8.7.1, AS 200 FEET FROM THE CURB LINE OF FRONT STREET.
  - 23 REMOVE TREES AND SHRUBS, AND PRUNE BRANCHES AS REQUIRED.
  - 24 PRESERVE ELECTRICAL AND TELEPHONE LINES
  - 25 PROTECT EXISTING GAS SERVICE
  - 26 CONTRACTOR TO SET TEMPORARY POLE AND TRANSFORMERS FOR OVERHEAD AERIAL SERVICE DURING CONSTRUCTION; CONNECT TO UTILITY METERS ON BROWNING AND DOW HOUSES; RECONNECT THE HOUSE SERVICES TO THE TEMPORARY SERVICES FOR THE PERIOD DURING CONSTRUCTION; COORDINATE WITH EVERSOURCE; SEE ELECTRICAL SIT PLAN, ES.100.
  - 27 PROTECT TREE ROOTS
  - 28 EXISTING WATER SERVICE; PROTECT IN PLACE
  - 29 EXISTING 1.5" WATER SERVICE TO BE ABANDONED
  - 30 REMOVE INVASIVE SPECIES IN WETLANDS BUFFER ADJACENT TO PROJECT AREA; SEE STORMWATER INSPECTION AND MAINTENANCE MANUAL.
  - 31 TREE TO BE PRESERVED AND PROTECTED, TYP. (SEE LANDSCAPE PLANS AND TREE PROTECTION DETAIL)
  - 32 TREE TO BE REMOVED (INCLUDING STUMP); SIGNIFICANT TREES ARE TREES 20" DIAMETER OR GREATER, AS DEFINED IN SECTION 7.4.7; SEE LANDSCAPE PLANS; TYP.



THIS DRAWING HAS NOT BEEN RELEASED FOR CONSTRUCTION



ZONING SUMMARY:

OWNER OF RECORD / APPLICANT:  
 PHILLIPS EXETER ACADEMY  
 20 MAIN STREET  
 EXETER, NEW HAMPSHIRE 03833  
 603-777-4442

APPROVED FOR THE RECORD:

EXETER PLANNING BOARD DATE

	REQUIRED	PROVIDED
LOT AREA:	15,000 S.F.	8.0 ACRES (PER TOWN GIS)
LOT WIDTH:	100' MIN.	> 100 FT.
DEPTH:	100' MIN.	> 100 FT.
FRONT SETBACK	25' MIN.	> 58.0± FT.
SIDE SETBACK	15' MIN.	> 16.3± FT.
REAR SETBACK	25' MIN.	> 80.7± FT.
OPEN SPACE	40% MIN.	> 60%

PARKING SUMMARY

- NEW DORMITORY: 60 STUDENT BEDS AND 5 FACULTY APARTMENTS  
 ONE FACULTY APARTMENT LOCATED IN DOW HOUSE TO ALSO USE PARKING
- OFF-STREET PARKING:  
 EXISTING: 3 SPACES (DOW HOUSE)  
 PROPOSED: 12 SPACES
- A WAIVER HAS BEEN REQUESTED TO PROVIDE TWELVE OFF-STREET PARKING SPACES
- PEA TO MANAGE VEHICLE PARKING FOR FACULTY WITH ADDITIONAL AVAILABLE CAMPUS PARKING

REFERENCE PLAN:

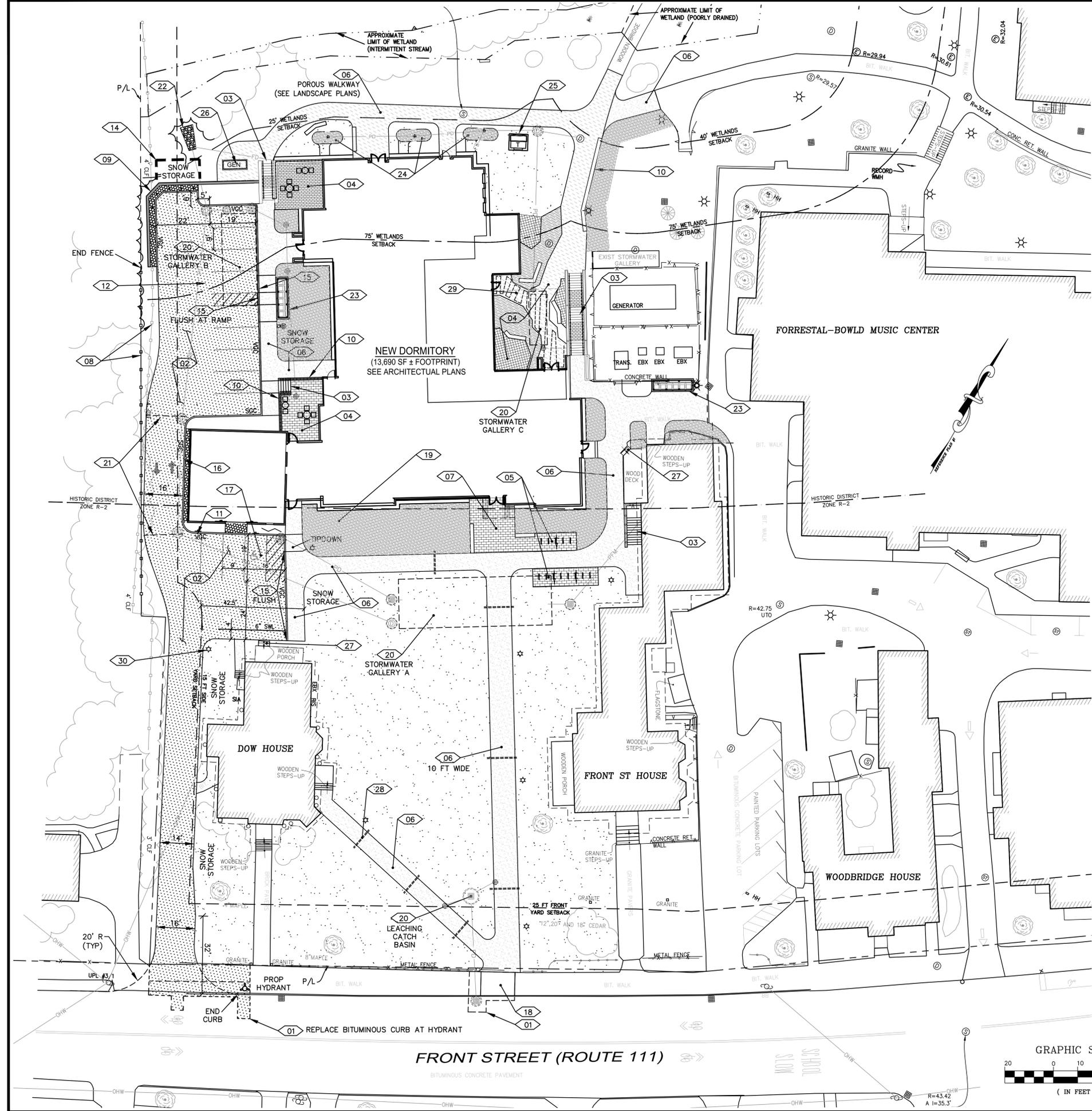
- EXISTING CONDITIONS SURVEY PERFORMED AND PROVIDED BY NITSCH ENGINEERING, DATED JANUARY 6, 2020 AND REVISED JULY 29, 2020.
- WETLANDS MAPPING WAS PERFORMED BY GOVE ENVIRONMENTAL SERVICES, INC. IN 2015 AND VERIFIED IN DECEMBER OF 2019.

SITE NOTES:

- THE EXETER ZONING BOARD OF ADJUSTMENT GRANTED A VARIANCE ON AUGUST 18, 2020 TO ALLOW A FORTY FIVE FOOT BUILDING HEIGHT WHERE THIRTY FIVE IS ALLOWED.
- THE EXETER ZONING BOARD OF ADJUSTMENT GRANTED A SPECIAL EXEMPTION ON AUGUST 18, 2020 FOR EXPANSION OF NON-CONFORMING USE IN RESIDENTIAL (R-2) ZONING DISTRICT.
- A CONDITIONAL USE PERMIT HAS BEEN REQUESTED FOR WORK WITHIN THE WETLANDS BUFFER LIMITS.
- TWO WAIVERS HAVE BEEN REQUESTED FOR:
  - GRADING WITHIN 5 FT. OF PROPERTY LINE.
  - OFF-SITE PARKING REQUIREMENT.
- ALL WATER, SEWER, ROAD (INCLUDING PARKING LOT), AND DRAINAGE WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 9.5 GRADING, DRAINAGE, AND EROSION & SEDIMENT CONTROL AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF PUBLIC UTILITIES IN EXETER, NEW HAMPSHIRE.

KEY NOTES:

- 01 LIMIT OF PAVEMENT REPAIR; COORDINATE ALL WORK IN FRONT STREET WITH DPW AND POLICE DEPT.
- 02 CONSTRUCT BITUMINOUS ASPHALT PAVEMENT
- 03 CONSTRUCT NEW STEPS (SEE L.A. DWG.S)
- 04 CONSTRUCT PATIO /COURTYARD AREA; (SEE L.A. DWG.S FOR DETAILS)
- 05 PROP. BIKE RACK (SEE L.A. DWG.S FOR DETAILS)
- 06 CONSTRUCT 7'-WIDE BIT. CONCRETE SIDEWALK; AREAS WITHIN 25 FT WETLAND BUFFER TO BE CONSTRUCTED OF POROUS MATERIALS; SEE L.A. DWGS FOR DETAILS
- 07 CONSTRUCT NEW ENTRYWAY (SEE L.A. DWG.S FOR DETAILS)
- 08 RECONSTRUCT 4 FT CHAINLINK FENCE; REPLACE EXISTING FENCE AND RELOCATE TO PROPERTY LINE
- 09 CONSTRUCT CONCRETE RETAINING WITH HANDRAIL AND BOLLARDS; SEE DETAILS
- 10 INSTALL SMALL BLOCK GRAVITY RETAINING WALL; SEE DTLS
- 11 INSTALL "FACULTY RESIDENT PARKING ONLY" SIGN (ARROW POINT TO LEFT)
- 12 PROPOSED DRAINAGE SYSTEM; SEE GRADING AND DRAINAGE PLAN
- 13 CONSTRUCT POROUS PAVERS; (SEE DETAILS)
- 14 INSTALL PERMANENT ORGANIC FILTER BERM FOR SNOW STORAGE; COMPLY WITH NHDES SNOW STORAGE GUIDELINES WMB-3, INCLUDED IN STORMWATER INSPECTION AND MAINTENANCE MANUAL; CLEAN PRIOR TO EACH SNOW SEASON; SEE DETAILS
- 15 INSTALL VERTICAL GRANITE CURBING (SEE DETAILS)
- 16 INSTALL SLOPED GRANITE CURBING (AND DRIP STRIP ADJACENT OT BUILDING); (SEE DETAILS)
- 17 INSTALL ADA VAN ACCESSIBLE PARKING; SEE DETAILS; INSTALL ADA SIGNS; SEE GRADING AND DRAINAGE PLAN
- 18 RECONSTRUCT SIDEWALK AND CURBING AT LOCATION OF TEMPORARY CONSTRUCTION EXIT
- 19 SEE LANDSCAPING PLANS FOR TREES AND PROPOSED PLANTINGS (TYPICAL)
- 20 STORMWATER MANAGEMENT SYSTEM; SEE GRADING AND DRAINAGE PLAN, C4.01 (TYPICAL)
- 21 AVOID IMPACT TO TREE ROOT; CONTACT ENGINEER IF ROOTS ARE IN PAVEMENT SECTION; DO NOT CUT ROOTS GREATER THAN ONE INCH IN DIAMETER; DRAINAGE OUTFALL; SEE GRADING AND DRAINAGE PLANS
- 22 TRASH / RECYCLING STORAGE; CONSTRUCT CONCRETE PAD FOR TRASH TOTE STORAGE WITH FENCE ENCLOSURE;
- 23 RAINGARDENS; SEE DRAINAGE AND GRADING PLANS L.S. DWGS
- 24 NEW TRANSFORMER WITH ENCLOSURE; SEE ELECTRICAL AND L.S. DWGS FOR DETAILS
- 25 NEW GENERATOR; SEE ELEC DWGS
- 26 CONSTRUCT NEW WOODEN STEPS TO PORCH
- 27 IRRIGATION SLEEVE (TYP. SEE L.S. DWGS)
- 28 SNOW MELT SYSTEM (SEE MECH AND L.S. DWGS)
- 29 LIGHT POLE; TYP. SEE UTILITY AND PHOTOMETRICS PLANS



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NO.	DESCRIPTION	BY	DATE
0	PB SUBMITTAL	CDB	07/31/20
1	SITE REVIEW SUBMITTAL	CDB	08/04/20
2	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

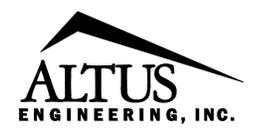
TITLE:  
 SITE PLAN

SHEET NUMBER:  
 C3.01

P5030

APPROVED FOR THE RECORD:

EXETER PLANNING BOARD DATE



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ISSUED FOR:  
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ISSUE DATE:  
AUGUST 4, 2020

NO.	DESCRIPTION	BY	DATE
0	PB SUBMITTAL	CDB	07/31/20
1	SITE REVIEW SUBMITTAL	CDB	08/04/20

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APPROVED BY: JKC  
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PROJECT:  
PHILLIPS EXETER ACADEMY  
NEW DORMITORY

ASSESSOR PARCEL 72, LOT 209

TITLE:  
GRADING, DRAINAGE, &  
EROSION & SEDIMENT  
CONTROL PLAN

SHEET NUMBER:  
C4.01

KEY NOTES:

- 01 INSTALL STORMWATER MANAGEMENT GALLERY A; 6 ROWS OF 24" PERF. PIPE AT 60 FT LENGTH; COORDINATE STORMWATER GALLERY A LOCATION WITH GEOTHERMAL WELL LOCATIONS; SEE UTILITY PLAN AND MECHANICAL SITE PLAN
- 02 INSTALL STORMWATER MANAGEMENT GALLERY B; 3 ROWS OF 18" PERF. PIPE AT 40 FT LENGTH; SEE DETAILS
- 2B INSTALL 4" UNDERDRAIN; SEE STORMWATER GALLERY DETAILS
- 03 INSTALL RAINGARDEN (3, TYP - SEE LS PLANS FOR DETAILS)
- 04 CONSTRUCT CONCRETE RETAINING WALL; INSTALL PEDESTRIAN RAIL ALONG TOP OF WALL; SEE DETAILS
- 05 INSTALL 12" DRAIN OUTFALL WITH FLARED END SECTION AND RIP RAP PROTECTION, 5-INCH AVE DIA STONE 14-INCHES IN DEPTH, 3 FT BEG WIDTH, 5 FT END WIDTH, AND 10 FT LENGTH
- 06 INSTALL DRIP STRIP AND SLOPED GRANITE CURBING
- 07 INSTALL SMALL BLOCK GRAVITY RETAINING WALL; INSTALL SAFETY RAILING WHERE SHOWN; SEE L.A. DWGS.
- 08 INSTALL VERTICAL GRANITE CURB
- 09 INSTALL CURB RAMP WITH TIPDOWNS; SET VGC FLUSH
- 10 INSTALL NEW CATCH BASIN OR STORM DRAIN MANHOLE (TYP)
- 11 GRADE HANDICAP ACCESSIBLE AREA; 1.75% CROSS SLOPE MAXIMUM IN ANY DIRECTION.
- 12 CORE HOLE FOR 12" STORM DRAIN CONNECTION; RECONSTRUCT DMH TOP INSTALL DRAIN GRATE
- 13 CONNECT ROOF DRAIN TO SUBSURFACE CHAMBER INLET; (SEE ARCH DWG'S FOR ROOF DRAIN DETAILS)
- 14 PROPOSED GEO-THERMAL WELL LOCATIONS; SEE MECH. SITE PLAN, MS 1.00.
- 15 INSTALL TREE BOX FILTER; SEE DETAILS
- 16 PROPOSED LEACHING CATCH BASIN; SEE DETAILS
- 17 PROPOSED AREA DRAIN; SEE DETAILS
- 18 INSTALL FLUSH VERTICAL GRANITE CURB
- 19 FORCE DRAIN LINE FROM SUMP AT FRONT STREET DORM; SEE STRUCTURAL PLANS
- 20 SEE STRUCTURAL PLANS FOR STAIRS DETAILS
- 21 CONSTRUCT GRANITE BLOCK SEAT WALL / RETAINING WALL, APPROX 2 FT HEIGHT; SEE L.S. DWGS.
- 22 INSTALL EROSION AND SEDIMENT PERIMETER CONTROL
- 23 DRAIN UNINSTALL STORM DRAIN INLET PROTECTION TO ALL INLETS WITHIN 200 FEET OF CONSTRUCTION ACTIVITIES.
- 24 INSTALL SEDIMENT TRAP/BASIN FOR STORMWATER SEDIMENT CONTROL DURING CONSTRUCTION SIZE AND LOCATION TO BE DETERMINED BY CONSTRUCTION ACTIVITIES AND STAGING.
- 25 CONNECT FOUNDATION DRAIN TO PDMH #20; SEE BUILDING FOUNDATION PLANS AND DETAILS
- 26 DRIVEWAY PROFILE; SEE SHEET C7.06

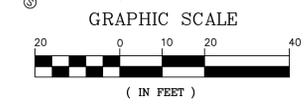
EROSION & SEDIMENT CONTROL NOTES:

1. PROJECT SUBJECT TO EPA NPDES PHASE II, NOI, SWPPP AND MINIMUM WEEKLY INSPECTIONS REQUIRED.
2. THE INTENT OF THIS PLAN IS TO PROVIDE A CONCEPTUAL TEMPORARY STORMWATER MANAGEMENT PLAN AS NOTED ABOVE, THE PROJECT REQUIRES A SWPPP THAT WILL BE MANAGED THROUGHOUT CONSTRUCTION BY THE CONTRACTOR. IT IS THE OWNER AND CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH ALL NPDES AND LOCAL REQUIREMENTS.
3. CONSTRUCTION STORMWATER SHALL NOT BE DIRECTED TO PROPOSED RAINGARDENS OR STORMWATER GALLERIES BEFORE SITE IS STABILIZED.
4. CONTRACTOR SHALL CONSTRUCT SEDIMENT TRAPS/BASINS FOR STORMWATER DURING CONSTRUCTION. SIZE AND LOCATION WILL DEPEND ON THE AREA DRAINING TO EACH DEVICE.
5. PERIMETER SEDIMENT CONTROLS AND CULVERT AND CATCH BASIN INLET PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO EARTH DISTURBANCE ACTIVITIES.
6. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE PROPERLY MAINTAINED IN GOOD WORKING ORDER FOR THE DURATION OF CONSTRUCTION AND THE SITE IS STABILIZED.
7. SEE DETAIL SHEETS FOR PERTINENT SEDIMENT AND EROSION CONTROL DETAILS AND ADDITIONAL NOTES.
8. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE DESIGN STANDARDS AND SPECIFICATIONS SET FORTH IN THE NHDES NH STORMWATER MANUALS, VOL. 1-3, DATED DECEMBER 2008 AS AMENDED, AND/OR MULCHING EXPOSED AREAS AND STOCKPILES.
9. CONTRACTOR SHALL TAKE WHATEVER MEANS NECESSARY TO PREVENT EROSION, PREVENT SEDIMENT FROM LEAVING THE SITE AND/OR ENTERING WETLANDS AND ENSURE PERMANENT SOIL STABILIZATION.
11. ALL CATCH BASINS AND CULVERTS SHALL BE PROVIDED APPROPRIATE TEMPORARY INLET PROTECTION.
12. UPON COMPLETION OF CONSTRUCTION, ALL DRAINAGE INFRASTRUCTURE SHALL BE CLEANED OF ALL DEBRIS AND SEDIMENT.
13. UPON COMPLETION OF CONSTRUCTION, ALL TEMPORARY EROSION AND SEDIMENT CONTROLS SHALL BE REMOVED AND ANY AREAS DISTURBED BY THE REMOVAL SMOOTHED AND REVEGETATED.
14. CONSTRUCTION ACTIVITIES SHALL BE MANAGED IN STRICT ACCORDANCE WITH NH RSA 430:53 AND AGR 3800 RELATIVE TO INVASIVE SPECIES. NO INVASIVE SPECIES SHALL BE INSTALLED ON THE PROJECT SITE FOR ANY REASON.

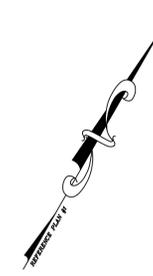
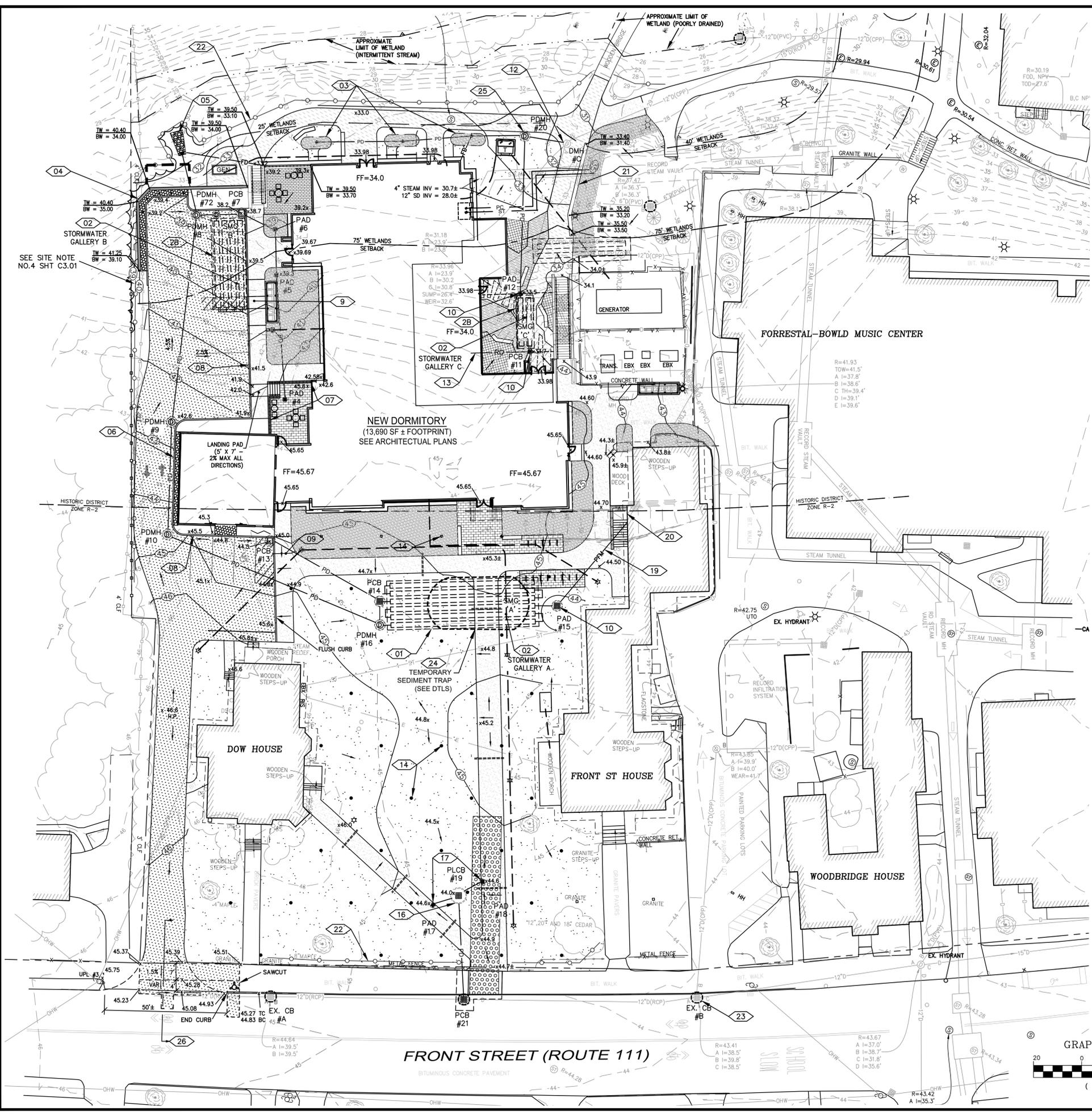
PROPOSED DRAINAGE LEGEND

- 41 EXISTING CONTOUR
- 41 PROPOSED CONTOUR
- +43.1 PROPOSED SPOT GRADE
- PD PROPOSED DRAIN LINE
- PCB PROPOSED CATCH BASIN (PCB)
- PDM PROPOSED STORM DRAIN MANHOLE (PDM)
- PAD PROPOSED AREA DRAIN (PAD)
- PLCB PROPOSED LEACHING CATCH BASIN (PLCB)
- SMG PROPOSED STORMWATER MANAGEMENT GALLERY (SMG)

PROPOSED RETAINING WALL ELEVATIONS  
TW = TOP OF WALL ELEVATION  
BW = FINISHED GROUND AT BOTTOM FACE OF WALL



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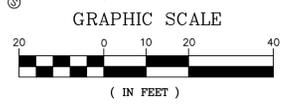
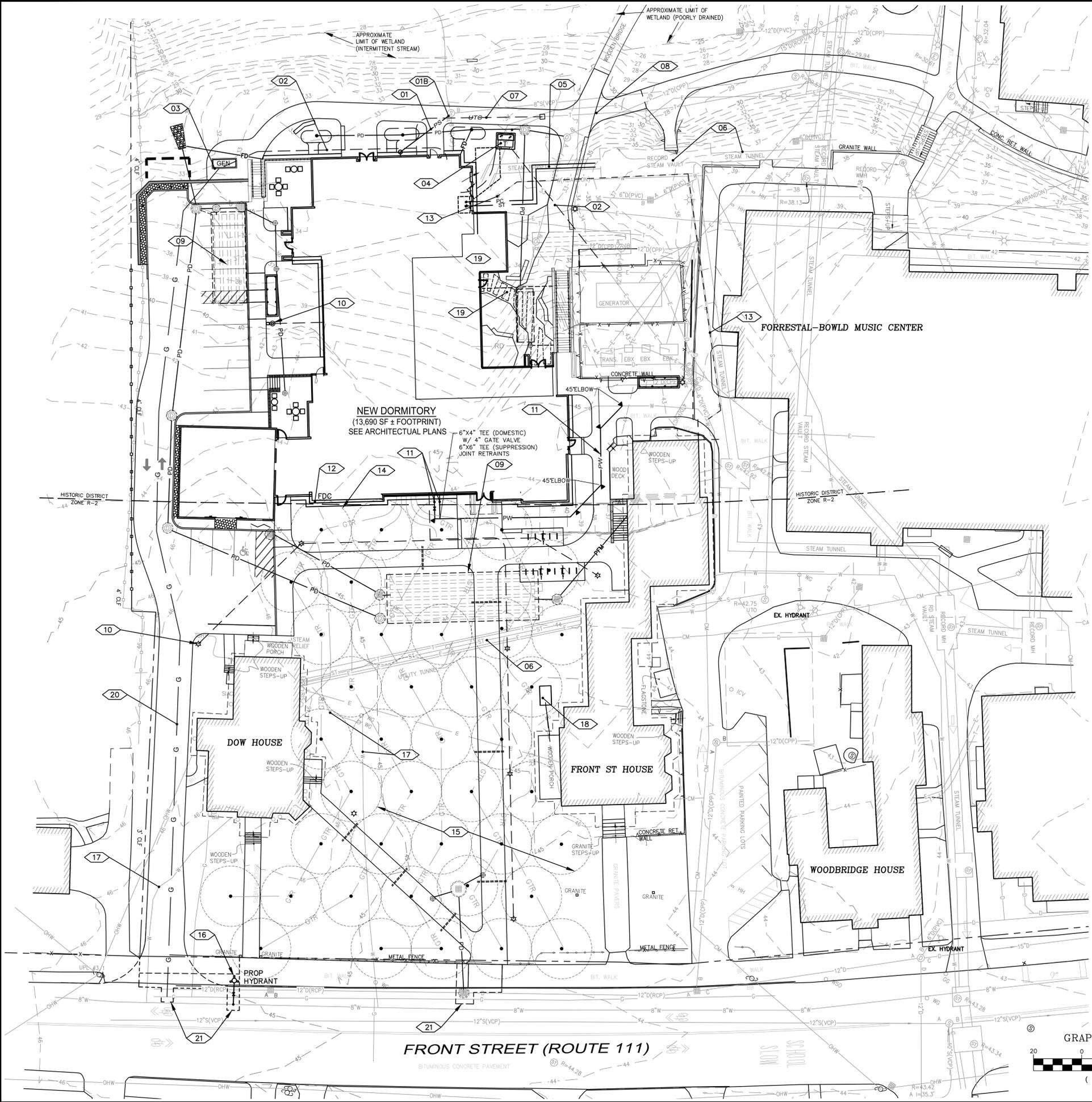
OWNER/APPLICANT:  
 PHILLIPS EXETER ACADEMY  
 20 MAIN STREET  
 EXETER, NH 03833

PROJECT:  
 PHILLIPS EXETER ACADEMY  
 NEW DORMITORY

ASSESSOR PARCEL 72, LOT 209

TITLE:  
 UTILITY PLAN

SHEET NUMBER:  
 C5.01



KEY NOTES:

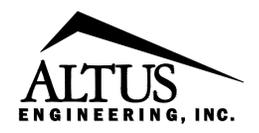
- 01 INSTALL 8" SEWER SERVICE WITH CLEANOUT; (SEE PLUMBING PLANS)
- 01B CONNECT TO EXISTING SEWER AT MANHOLE; CORE NEW HOLE AND PLUG EXISTING CONNECTION; REBUILD BRICK INVERT AS REQUIRED  
 EX SEWER MH RIM = 33.12  
 EX SEWER INV OUT = 25.70  
 EX SEWER INV IN = 26.20  
 NEW SEWER INV IN = 26.20
- 02 NEW ELECTRICAL DISTRIBUTION LINE TO GENERATOR AND TRANSFORMER; SEE ELECTRICAL SITE PLAN, ES 2.00
- 03 PROPOSED PAD-MOUNTED GENERATOR WITH SCREENING (SEE ELECT. DWG.S AND LANDSCAPE PLANS)
- 04 PROPOSED PAD-MOUNTED TRANSFORMER; LOCATE 10 FT FROM BUILDING; PROVIDE 3 FT CLEAR ON BACK AND SIDES; PROVIDE 8 FT CLEAR AT FRONT ACCESS; SIDES SEE ELECT. DWG.S)
- 05 PROP. STEAM LINE MODIFICATIONS. NEW PIPING IN EXISTING PATHWAY (SEE MECH. DWG.S)
- 06 EXISTING STEAM DISTRIBUTION; PRESERVE IN PLACE.
- 07 PROP. COMMUNICATION SERVICE (SEE SITE ELECT. DWG.S)
- 08 EXISTING COMMUNICATION SERVICE; PRESERVE IN PLACE.
- 09 PROPOSED STORM DRAIN SYSTEM; SEE GRADING AND DRAINAGE PLAN (TYP)
- 10 PROPOSED LIGHTING (TYPICAL); SEE LANDSCAPE PLANS AND SITE PLAN PHOTOMETRICS; LIGHT AT DOW HOUSE DRIVEWAY TO BE ROTATED OR SHIELDED SO LIGHT DOES NOT OVERFLOW ONTO ADJACENT PROPERTY.
- 11 PROPOSED 6" WATER MAIN; CONNECT TO EXISTING 6" WATER WITH MECHANICAL JOINT; SPLIT AT BUILDING ENTRANCE FOR 6" FIRE SUPPRESSION AND 4" DOMESTIC WATER SERVICES; VERIFY SIZE WITH MECHANICAL AND FIRE DEPT; INSTALL GATE VALVE OUTSIDE BLDG. FOOTPRINT (SEE MECHANICAL PLANS)
- 12 PROVIDE FIRE DEPARTMENT CONNECTION (SEE MECHANICAL PLANS)
- 13 ABANDON EXISTING 1.5" WATER SERVICE
- 14 SIX (6) GEO-THERMAL WELLS AREA; FOR FACULTY APARTMENTS ONLY; SEE MECHANICAL PLANS  
 NOTE: CONTRACTOR TO COORDINATE STORMWATER GALLERY A WITH PROPOSED WELL LOCATIONS.
- 15 GEO-THERMAL WELLS; SEE MECHANICAL SITE PLAN
- 16 INSTALL NEW TOWN OF EXETER FIRE HYDRANT; CONNECT TO EXISTING 8" DI WATER MAIN IN FRONT STREET; VERIFY IN FIELD; INSTALL 6" GATE VALVE; SAWCUT, PATCH AND REPLACE PAVEMENT, CURB AND SIDEWALK AS REQUIRED; COORDINATE FRONT STREET LANE CLOSURE WITH POLICE DEPARTMENT; SEE DETAILS
- 17 EXISTING WATER SERVICE; PRESERVE IN PLACE
- 18 TEMPORARY GENERATOR FOR CONSTRUCTION; REMOVE WHEN GENERATOR IS IN SERVICE; SEE ELEC. SITE PLAN
- 19 INSTALL SNOW-MELT SYSTEM; SEE SITE LANDSCAPE PLANS AND DETAILS
- 20 INSTALL NEW GAS SERVICE TO GENERATOR; SEE MECHANICAL PLANS FOR SIZING REQUIREMENTS
- 21 COORDINATE ALL WORK WITHIN FRONT STREET WITH TOWN OF EXETER DPW AND POLICE DEPARTMENT FOR POTENTIAL LANE CLOSURES.

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P5030

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EXETER PLANNING BOARD DATE



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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 IN = 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 (PDMH9)  
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 = 38.60 (PDMH 10)

PDMH 10  
RIM = 44.75  
12" INV IN = 39.75 (PDMH 9)  
12" INV OUT = 39.65 (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 = 29.0 (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 = 44.60  
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/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:

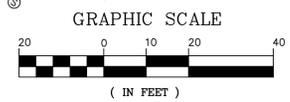
- EXISTING CONDITIONS SURVEY PERFORMED AND PROVIDED BY NITSCH ENGINEERING, SEE EXISTING CONDITIONS SURVEY, SHEETS EX-1 AND EX-2.
- WETLANDS DELINEATION BY GOVE ENVIRONMENTAL SERVICES, INC., EXETER, NH.
- HIGH INTENSITY SOILS SURVEY (HISS) / SITE SPECIFIC SOIL MAPPING (SSSM) DELINEATION PERFORMED BY GOVE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

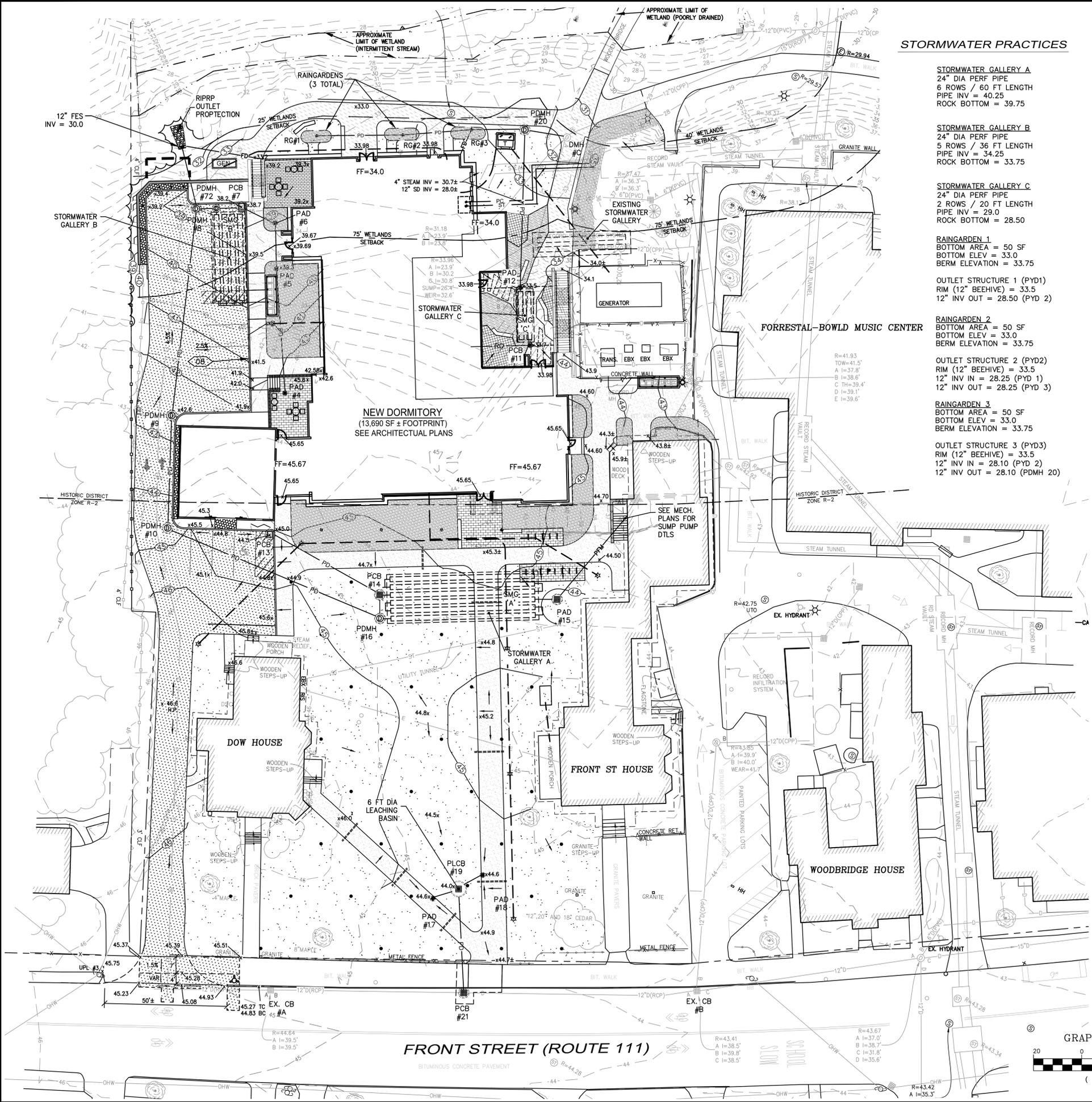
HISS SYMBOL	SSSM EQUIVALENT	MAP UNIT NAME	HSG
211	24	AGAWAM	B
766	799	PAVEMENT/GRAVEL/BLDG.	

PROPOSED DRAINAGE LEGEND

- 41 EXISTING CONTOUR
- 41 PROPOSED CONTOUR
- 43.1 PROPOSED SPOT GRADE
- PD PROPOSED DRAIN LINE
- PCB PROPOSED CATCH BASIN (PCB)
- PDMH PROPOSED STORM DRAIN MANHOLE (PDMH)
- PAD PROPOSED AREA DRAIN (PAD)
- PLCB PROPOSED LEACHING CATCH BASIN (PLCB)
- SMG PROPOSED STORMWATER MANAGEMENT GALLERY (SMG)
- TW PROPOSED RETAINING WALL ELEVATIONS  
TW = TOP OF WALL ELEVATION  
BW = FINISHFD GROUND AT BOTTOM FACF OF WALL



THIS DRAWING HAS NOT BEEN RELEASED FOR CONSTRUCTION



FRONT STREET (ROUTE 111)

P5030

**PROJECT NAME AND LOCATION**

Applicant: Phillips Exeter Academy  
 20 Main Street  
 Exeter, NH 03820

LATITUDE: 042° 58' 34.5" N  
 LONGITUDE: 070° 57' 17" W

**DESCRIPTION**

The site work for the project consists of building addition, site improvements and utility installations.

**DISTURBED AREA**

The total area to be disturbed is approximately 53,000 square feet.

**NPDES CONSTRUCTION GENERAL PERMIT**

Contractor shall prepare a Stormwater Pollution Prevention Plan (SWPPP) in accordance with federal storm water permit requirements. The SWPPP must be prepared in a format acceptable to the Owner and three (3) copies provided to the Town at least fourteen (14) days prior to initiating construction. Contractor is responsible for all cost associated with preparation and implementation of SWPPP including any temporary erosion control measures (whether indicated or not on these drawings) as required for the contractor's sequence of activities.

The Contractor and Owner shall each file a Notice of Intent (NOI) with the U.S.E.P.A. under the NPDES Construction General Permit (U.S.E.P.A., 1200 Pennsylvania Avenue NW, Washington, DC 20460). All work shall be in accordance with NPDES General Permit: NHR120000, including NOI requirements, effluent limitations, standards and management for construction.

The Contractor shall be responsible for obtaining a USEPA Construction Dewatering Permit, if required.

**NAME OF RECEIVING WATER**

Closed drainage system draining into the Squamscott River.

**TEMPORARY EROSION AND SEDIMENT CONTROLS AND STABILIZATION PRACTICES**

All work shall be in accordance with state and local permits.

As indicated in the sequence of Major Activities, the hay bales and silt fences shall be installed prior to commencing any clearing or grading of the site. Structural controls shall be installed concurrently with the applicable activity. Once construction activity ceases permanently in an area, silt fences and hay bale barriers and any earth/dikes will be removed once permanent measures are established.

During construction, runoff will be diverted around the site with stabilized channels where possible. Sheet runoff from the site shall be filtered through hay bale barriers, stone check dams, and silt fences. All storm drain inlets shall be provided with hay bale filters or stone check dams. Stone rip rap shall be provided at the outlets of drain pipes and culverts where shown on the drawings.

Temporary and permanent vegetation and mulching is an integral component of the erosion and sedimentation control plan. All areas shall be inspected and maintained until vegetative cover is established. These control measures are essential to erosion prevention and also reduce costly rework of graded and shopped areas.

Temporary vegetation shall be maintained in these areas until permanent seeding is applied. Additionally, erosion sedimentation measures shall be maintained until permanent vegetation is established.

**INSTALLATION, MAINTENANCE AND INSPECTION PROCEDURES FOR TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES**

**A. GENERAL**

These are the general inspection and maintenance practices that shall be used to implement the plan.

- The smallest practical portion of the site shall be denuded at one time. The amount of open area shall be determined by an approved "Construction Sequence Plan" which will be prepared by the contractor and submitted to the engineer at least 30 days prior to construction.
- All control measures shall be inspected at least once each week and following any storm event of 0.5 inches or greater.
- All measures shall be maintained in good working order; if a repair is necessary, it will be initiated within 24 hours.
- Built up sediment shall be removed from silt fence or haybale barriers when it has reached one third the height of the fence or bale, or when "bulges" occur.
- All diversion dikes shall be inspected and any breaches promptly repaired.
- Temporary seeding and planting shall be inspected for bare spots, washouts, and unhealthy growth.
- A maintenance inspection report shall be made after each inspection.
- The Contractor's site superintendent shall be responsible for inspections, maintenance and repair activities, and filling out the inspection and maintenance report.
- The owner's authorized engineer shall inspect the site on a periodic basis to review compliance with the Plans.
- An area shall be considered stable if one of the following has occurred:
  - Base coarse gravels have been installed in areas to be paved;
  - A minimum of 85% vegetated growth as been established;
  - A minimum of 3 inches of non-erosive material such as stone or riprap has been installed or
  - Erosion control blankets have been properly installed.

**B. MULCHING**

**1. Timing**

Mulching - mulch shall be used on highly erodible soils, on critically eroding areas, on areas where conservation of moisture will facilitate plant establishment, and where shown on the plans.

In order for mulch to be effective, it must be in place prior to major storm events. There are two (2) types of standards that shall be used to assure this.

- Apply mulch prior to any storm event.

This is applicable when working within 100 feet of wetlands. It shall be necessary to closely monitor weather predictions, usually by contacting the National Weather Service in Concord, to have adequate warning of significant storms.

- Required Mulching within a specified time period.

The time period can range from 21 to 28 days of inactivity on a area, the length of time varying with site conditions. Professional judgment shall be used to evaluate the interaction of site conditions (soil erodibility, season of year, extent of disturbance, proximity to sensitive resources, etc.) and the potential impact of erosion on adjacent areas to choose an appropriate time restriction.

**2. Mulch Application.**

Type	Standard rate per 1,000 s.f.	Winter rate per 1,000 s.f.	Use and Comments
Hay or Straw	75-92 lbs.	150-185 lbs.	Must be dry and free from mold. May be used with plantings.
Jute and Fibrous Matting	As per manufacturer Specifications	As per manufacturer Specifications	Used in slope areas, water coursed and other areas.
Crushed Stone 1/4" to 1-1/2" dia.	Spread more than 1/2" thick	Spread more than 1/2" thick	Effective in controlling wind and water erosion.
Wood chips or bark mulch	460 to 920 lbs.	-	Used mostly with trees and shrub plantings.
Erosion Control Mix	2" thick min.	Per winter season specification	* The organic matter content is between 80 and 100%, dry weight basis. * Particle size by weight is 100% passing a 6" screen and a minimum of 70 %, maximum of 85%, passing a 0.75" screen. * The organic portion needs to be fibrous and elongated. * Large portions of silts, clays or fine sands are not acceptable in the mix. * Soluble salts content is less than 4.0 mmhos/cm. * The pH should fall between 5.0 and 8.0.

**3. Maintenance**

All mulches shall be inspected periodically, in particular after rainstorms, to check for rill erosion. If less than 50% of the soil surface is covered by the specified thickness of mulch, additional mulch shall be immediately applied.

**C. TEMPORARY GRASS COVER**

- Seedbed Preparation  
 Apply fertilizer at the rate of 600 pounds per acre of 10-10-10. Apply limestone (equivalent to 50 percent calcium plus magnesium oxide) at a rate of three (3) tons per acre.
- Seeding  
 a. Utilize annual rye grass at a rate of 40 lbs/acre.  
 b. Where the soil has been compacted by construction operations, loosen soil to a depth of two (2) inches before applying fertilizer, lime and seed.  
 c. Apply seed uniformly by hand, cyclone seeder, or hydroseeder (slurry including seed and fertilizer). Hydroseedings, which include mulch, may be left on soil surface. Seeding rates must be increased 10% when hydroseeding.

- Maintenance  
 Temporary seedings shall be periodically inspected. At a minimum, 95% of the soil surface should be covered by vegetation. If any evidence of erosion or sedimentation is apparent, repairs shall be made and other temporary measures used in the interim (mulch, filter barriers, check dams, etc.).

**D. FILTERS**

- Straw/Hay Bales  
 a. Sheet Flow Applications  
 1. Bales shall be placed in a single row, lengthwise on the contour, with ends of adjacent bales lightly abutting one another.  
 2. All bales shall be string-tied. Bales shall be installed so that bindings are oriented around the sides rather than along the tops and bottoms of the bales to prevent deterioration of the bindings.  
 3. The barrier shall be entrenched and backfilled. A trench shall be excavated the width of a bale and the length of the proposed barrier to a minimum depth of four (4) inches. After the bales are staked and chinked, the excavated soil shall be backfilled against the barrier. Backfill soil shall conform to the ground level on the downhill side and shall be built up to four (4) inches against the uphill side of the barrier. Ideally, bales should be placed ten (10) feet away from the toe of slope.  
 4. Each bale shall be securely anchored by at least two (2) stakes driven through the bale. The first stake in each bale shall be driven toward the previously laid bale to force the bales together. Stakes shall be driven deep enough into the ground to securely anchor the bales.  
 5. The gaps between bales shall be chinked (filled by wedging) with hay to prevent water from escaping between the bales.

- Silt Fence  
 a. Synthetic filter fabric shall be a pervious sheet of propylene, nylon, polyester or ethylene yarn and shall be certified by the manufacturer or supplier as conforming to the following requirements:

Physical Property	Test	Requirements
Filtering Efficiency	VTM-51	75% minimum
Tensile Strength at 20% Maximum Elongation*	VTM-52	Extra Strength 50 lb/in in (min)
		Standard Strength 30 lb/in in (min)
Flow Rate	VTM-51	0.3 gal/st/min (min)

\* Requirements reduced by 50 percent after six (6) months of installation.

Synthetic filter fabric shall contain ultraviolet ray inhibitors and stabilizers to provide a minimum of six (6) months of expected usable construction life at a temperature range of 0 degrees F to 120° F.

- Posts shall be spaced a maximum of ten (10) feet apart at the barrier location or as recommended by the manufacturer and driven securely into the ground (minimum of 16 inches).
- A trench shall be excavated approximately six (6) inches wide and eight (8) inches deep along the line of posts and upslope from the barrier.
- When standard strength filter fabric is used, a wire mesh support fence shall be fastened securely to the upslope side of the posts using heavy duty wire staples at least one (1) inch long, tie wires or hog rings. The wire shall extend no more than 36 inches above the original ground surfaces.
- The "standard strength" filter fabric shall be stapled or wired to the fence, and eight (8) inches of the fabric shall be extended into the trench. The fabric shall not extend more than 36 inches above the original ground surface. Filter fabric shall not be stapled to existing trees.
- When extra strength filter fabric and closer post spacing are used, the wire mesh support fence may be eliminated. In such a case, the filter fabric is stapled or wired directly to the posts with all other provisions of item (g) applying.
- The trench shall be backfilled and the soil compacted over the filter fabric.
- Silt fences shall be removed when they have served their useful purpose but not before the upslope areas has been permanently stabilized.

**3. Silt Sock or approved equal**

Install and maintain per manufacturer's specifications

**4. Sequence of Installation**

Sediment barriers shall be installed prior to any soil disturbance of the contributing upslope drainage area.

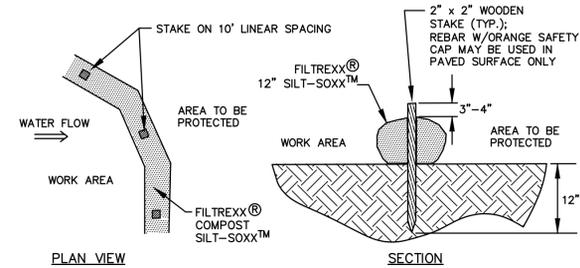
**5. Maintenance**

- Straw/hay bale barrier and silt fence barriers shall be inspected immediately after each rainfall and at least daily during prolonged rainfall. They shall be repaired if there are any signs of erosion or sedimentation below them. Any required repairs shall be made immediately. If there are signs of undercutting at the center or the edges, or impounding of large volumes of water, the sediment barriers shall be replaced with a temporary check dam.
- Should the fabric on a silt fence or filter barrier decompose or become ineffective prior to the end of the expected usable life and the barrier still is necessary, the fabric shall be replaced promptly.
- Sediment deposits shall be removed when deposits reach approximately one third (1/3) the height of the barrier.
- Any sediment deposits remaining in place after the silt fence or haybale barrier is no longer required shall be removed. The area shall be prepared and seeded.
- Additional stone, if needed, shall be added to the construction entrance, stone lined swales, etc., periodically to maintain proper function of the erosion control structure.

**E. PERMANENT SEEDING**

- See Landscape Architect's drawings for details.

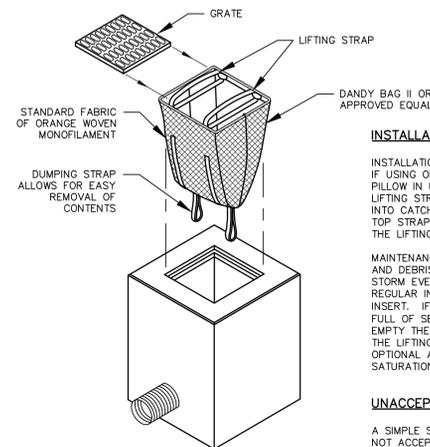
**CASE #20-12**



- NOTES:**
- SILT-SOXX OR APPROVED EQUAL SHALL BE USED FOR SEDIMENT BARRIERS.
  - ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS.
  - SILT-SOXX COMPOST/SOIL/ROCK/SEED FILT-MATERIAL SHALL BE ADJUSTED AS NECESSARY TO MEET THE REQUIREMENTS OF THE SPECIFIC APPLICATION.
  - ALL SEDIMENT TRAPPED BY SILT-SOXX SHALL BE DISPOSED OF PROPERLY.

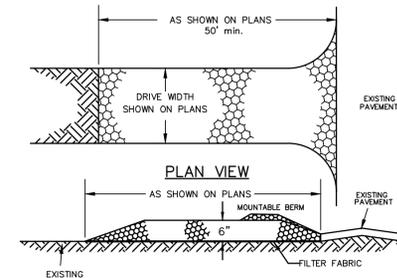
**SEDIMENT BARRIER DETAIL**

NOT TO SCALE



**STORM DRAIN INLET PROTECTION**

NOT TO SCALE



**STONE GRADATION TABLE**

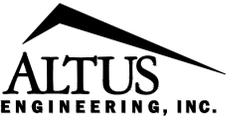
SIZE	% PASSING BY WEIGHT
2 inch	100
1 1/2 inch	90-100
1 inch	20-55
3/4 inch	0-15
3/8 inch	0-5

**CONSTRUCTION SPECIFICATIONS**

- STONE SIZE - NHDOT STANDARD STONE SIZE #4 - SECTION 703 OF NHDOT STANDARD.
- LENGTH - DETAILED ON PLANS (50 FOOT MINIMUM).
- THICKNESS - SIX (6) INCHES (MINIMUM).
- WIDTH - FULL DRIVE WIDTH UNLESS OTHERWISE SPECIFIED.
- FILTER FABRIC - MIRAFI 600X OR EQUAL APPROVED BY ENGINEER.
- SURFACE WATER CONTROL - ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRUCTION ENTRANCE SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A BERM WITH 5:1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS WILL REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WHEELS SHALL BE CLEANED TO REMOVE MUD PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- STABILIZED CONSTRUCTION EXITS SHALL BE INSTALLED AT ALL ENTRANCES TO PUBLIC RIGHTS-OF-WAY, AT LOCATIONS SHOWN ON THE PLANS, AND/OR WHERE AS DIRECTED BY THE ENGINEER.

**STABILIZED CONSTRUCTION EXIT**

NOT TO SCALE



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**ISSUE DATE:**

SEPTEMBER 25, 2020

**REVISIONS**

NO.	DESCRIPTION	BY	DATE
0	PB SUBMITTAL	CDB	08/04/20
1	TRC COMMENTS	CDB	09/25/20

DRAWN BY: \_\_\_\_\_ CDB

APPROVED BY: \_\_\_\_\_ JKC

DRAWING FILE: \_\_\_\_\_ 5030\_071620.DWG

**SCALE:**

NO SCALE

**OWNER/APPLICANT:**

PHILLIPS EXETER ACADEMY  
 20 MAIN STREET  
 EXETER, NH 03833

**PROJECT:**

PHILLIPS EXETER ACADEMY  
 NEW DORMITORY

ASSESSOR PARCEL 72, LOT 29

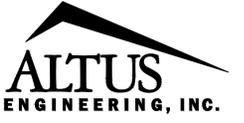
**TITLE:**

EROSION CONTROL  
 NOTES AND DETAILS

**SHEET NUMBER:**

C7.00

P5030



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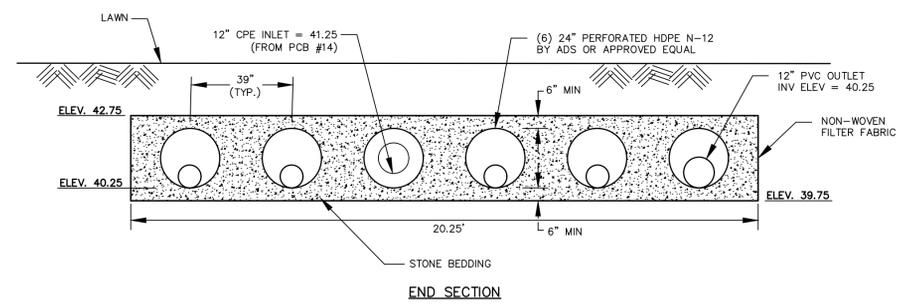
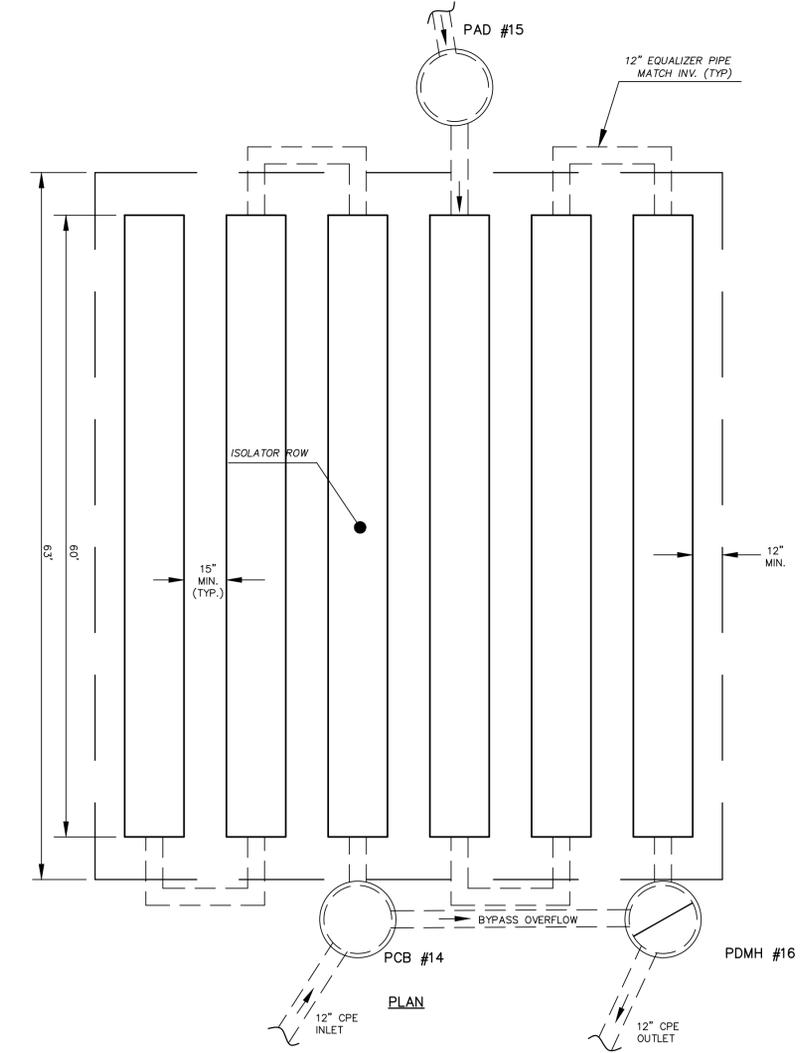
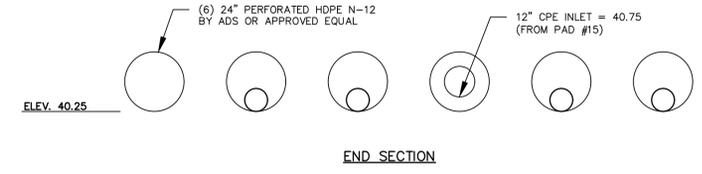
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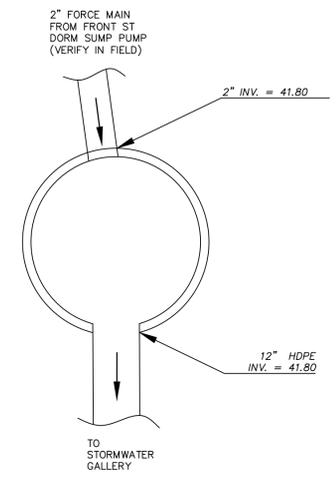
PROJECT:  
 PHILLIPS EXETER ACADEMY  
 NEW DORMITORY  
 ASSESSOR PARCEL 72, LOT 29

TITLE:  
 DETAILS SHEET

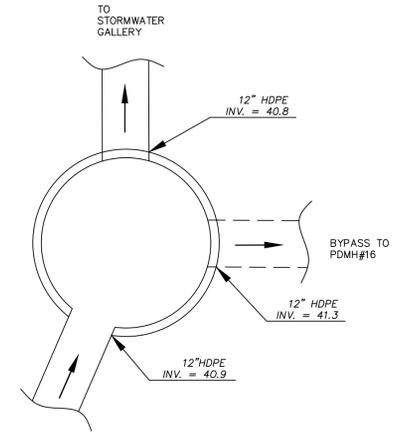
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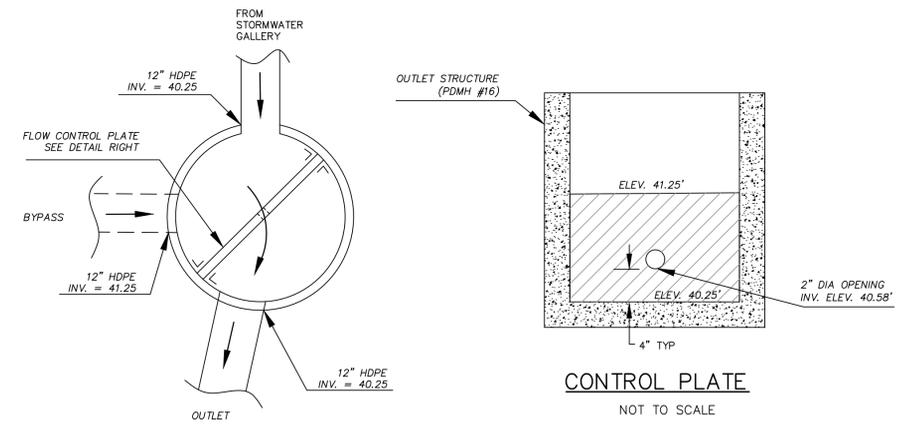
STORMWATER MANAGEMENT GALLERY 'A'  
 NOT TO SCALE



PAD #15 INLET CONTROL STRUCTURE  
 NOT TO SCALE



PCB #14 INLET CONTROL STRUCTURE  
 NOT TO SCALE



PDMH #16 OUTLET CONTROL STRUCTURE  
 NOT TO SCALE



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

SCALE: NO SCALE

OWNER/APPLICANT:  
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20 MAIN STREET  
EXETER, NH 03833

PROJECT:  
PHILLIPS EXETER ACADEMY  
NEW DORMITORY

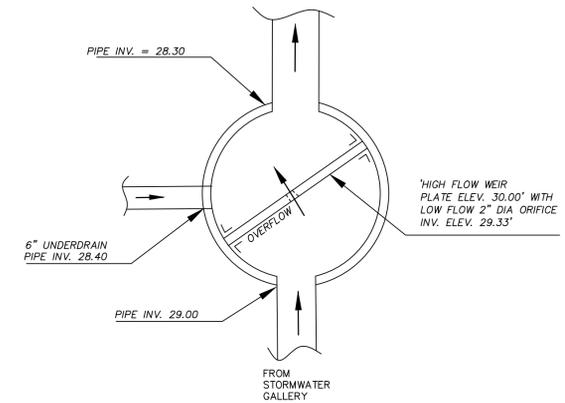
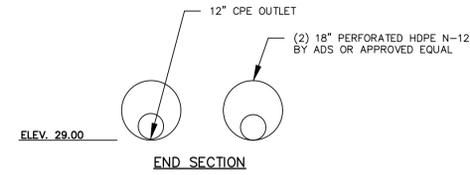
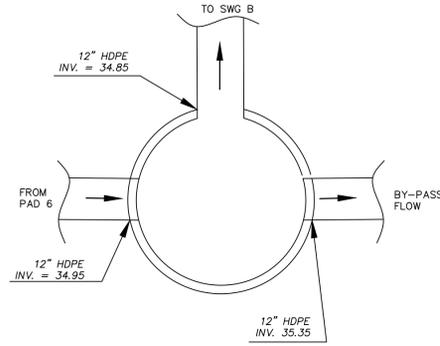
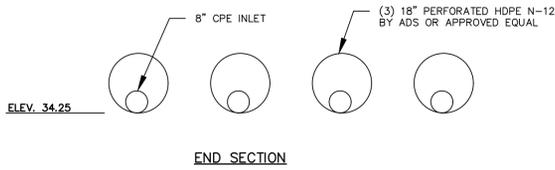
ASSESSOR PARCEL 72, LOT 29

TITLE:  
DETAILS SHEET

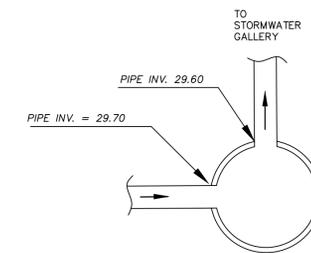
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C7.02

P6030



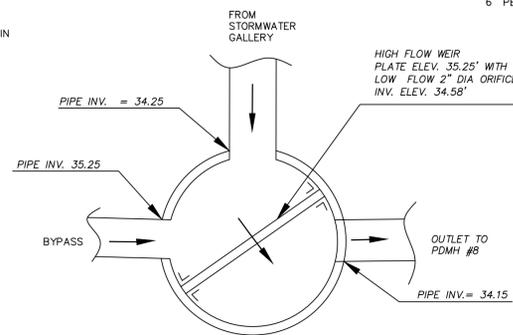
PAD #12 OUTLET CONTROL STRUCTURE



PAD #11 INLET CONTROL STRUCTURE

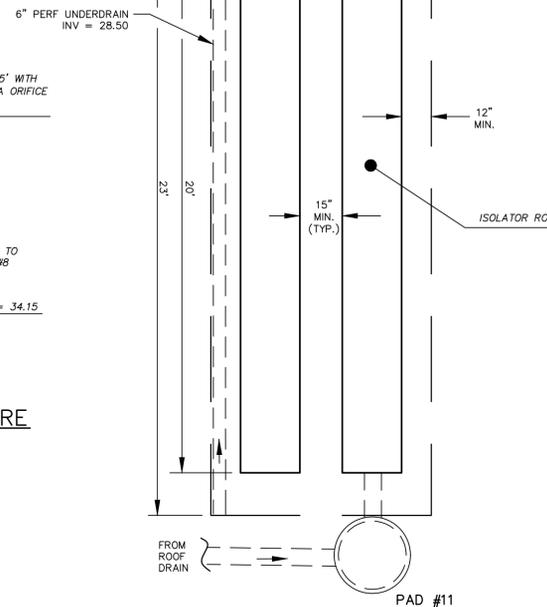
NOT TO SCALE

PCB #7 INLET CONTROL STRUCTURE  
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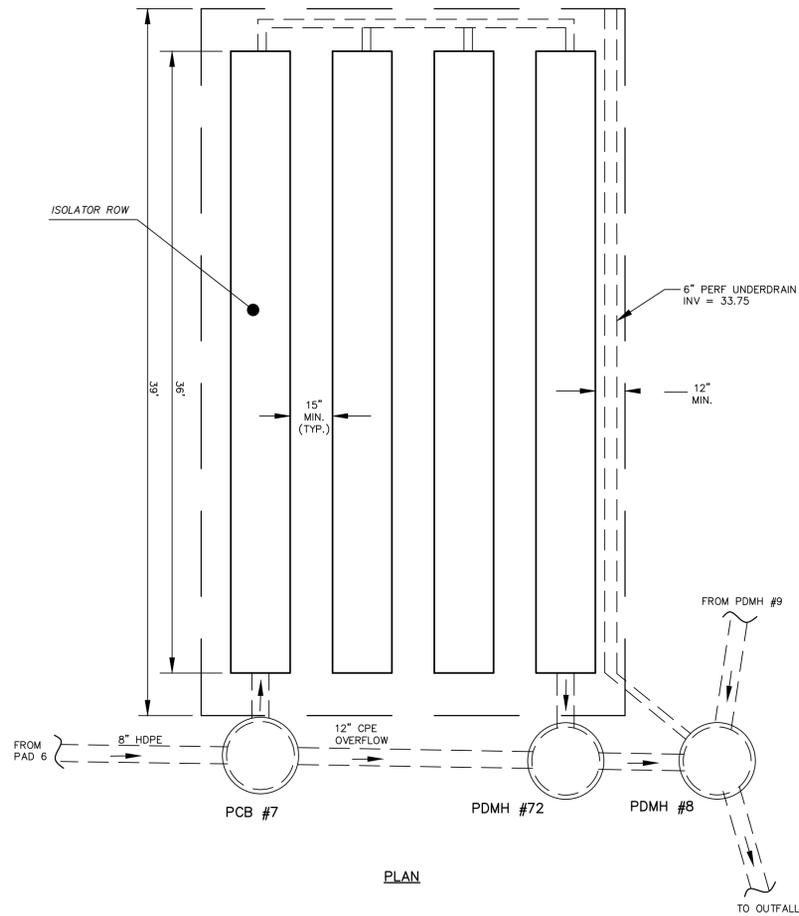


PDMH #72 OUTLET CONTROL STRUCTURE

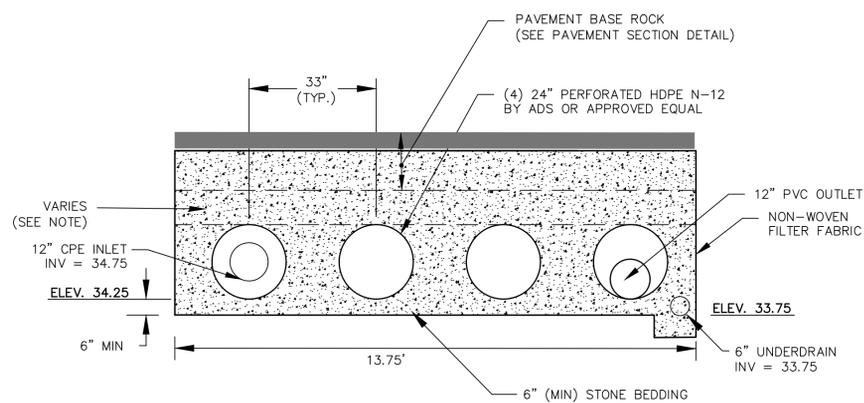
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PLAN



PLAN

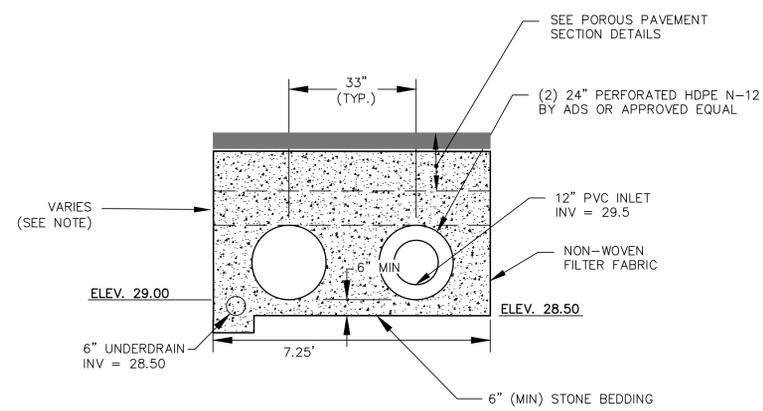


END SECTION

NOTE: PERFORATED PIPES TO BE LAYED FLAT. THICKNESS OF ROCK ABOVE PIPE WILL VARY BASED ON PAVEMENT GRADES.

STORMWATER MANAGEMENT GALLERY 'B'

NOT TO SCALE

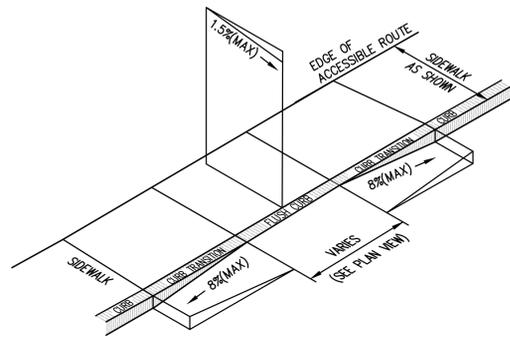


END SECTION

NOTE: PERFORATED PIPES TO BE LAYED FLAT. THICKNESS OF ROCK ABOVE PIPE WILL VARY BASED ON FINISHED GRADES ABOVE.

STORMWATER MANAGEMENT GALLERY 'C'

NOT TO SCALE

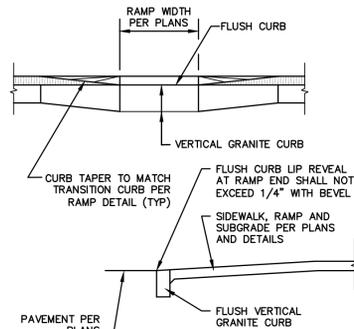


**NOTES APPLICABLE TO ALL CURB RAMPS:**

1. THE MAXIMUM ALLOWABLE CROSS SLOPE OF AN ACCESSIBLE ROUTE (SIDEWALK) AND CURB SHALL BE 1.5%.
2. THE MAXIMUM ALLOWABLE SLOPE OF AN ACCESSIBLE ROUTE EXCLUDING CURB RAMPS SHALL BE 5%.
3. THE MAXIMUM ALLOWABLE SLOPE OF AN ACCESSIBLE ROUTE (SIDEWALK) CURB RAMP SHALL BE 8%.
4. CURB TREATMENT VARIES, SEE PLANS FOR CURB TYPE.
5. BASE OF RAMP SHALL BE GRADED TO PREVENT THE PONDING OF WATER.
6. SEE TYPICAL SIDEWALK SECTION FOR RAMP CONSTRUCTION.
7. ALL CURB RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH AMERICANS WITH DISABILITIES ACT (ADA) AND ALL APPLICABLE CODES.
8. FLUSH CURB SECTIONS SHALL HAVE A MAXIMUM LIP REVEAL OF 1/2" AT THE EDGE OF PAVEMENT.
9. EDGES OF SIDEWALK FOOTINGS ALONG FLUSH CURBS SHALL BE HAUNCHED SO AS TO EXTEND TO A MINIMUM DEPTH OF 1" BELOW FINISH GRADE.
10. NO RAMP SHALL BE LESS THAN 4' IN WIDTH.

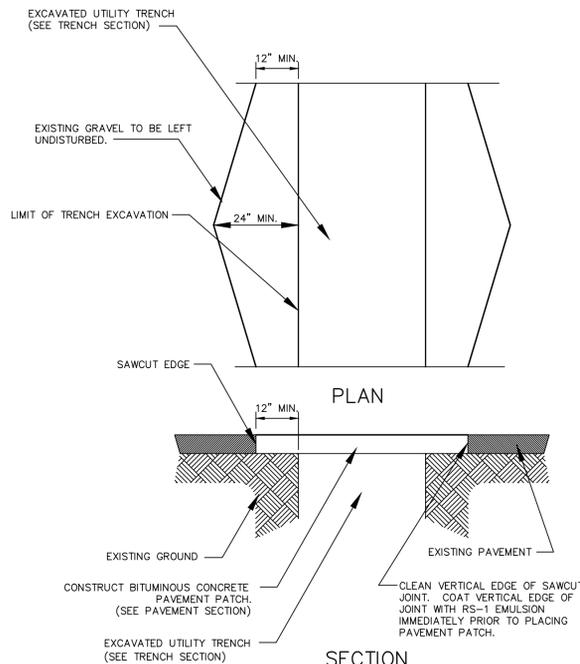
**CURB RAMP (TYPE 'B')**

NOT TO SCALE



**FLUSH CURB DETAIL**

NOT TO SCALE

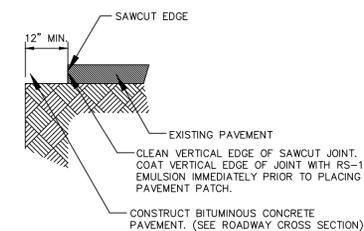


**NOTES**

1. MACHINE CUT EXISTING PAVEMENT.
2. ALL TEMPORARY, DAMAGED OR DEFECTIVE PAVEMENT SHALL BE REMOVED PRIOR TO PLACEMENT OF PERMANENT TRENCH REPAIRS.
3. DIAMOND PATCHES, SHALL BE REQUIRED FOR ALL TRENCHES CROSSING ROADWAY. DIAMOND PATCHES SHALL MEET NHDOT REQUIREMENTS.

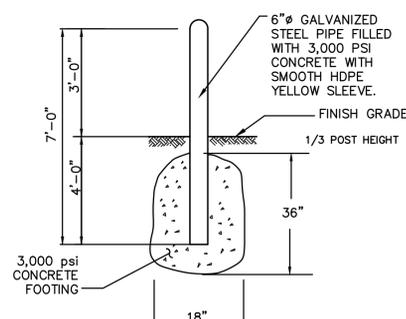
**TYPICAL TRENCH PATCH**

NOT TO SCALE



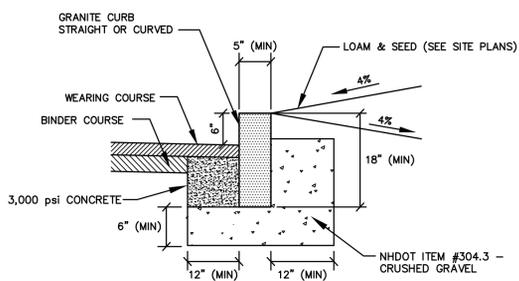
**TYPICAL PAVEMENT SAWCUT DETAIL**

NOT TO SCALE



**BOLLARD**

NOT TO SCALE



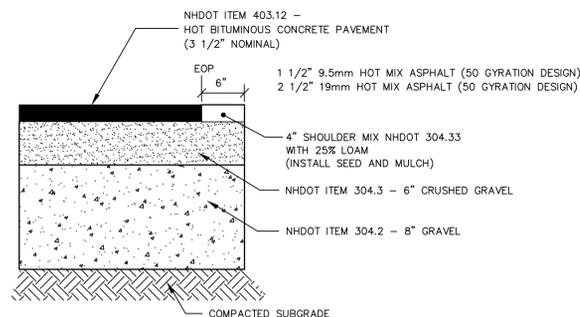
**NOTES:**

1. SEE PLANS FOR CURB LOCATION.
2. ADJOINING STONES SHALL HAVE THE SAME OR APPROXIMATELY THE SAME LENGTH.
3. MINIMUM LENGTH OF CURB STONES = 3'
4. MAXIMUM LENGTH OF CURB STONES = 10'
5. MAXIMUM LENGTH OF STRAIGHT CURB STONES LAID ON CURVES - SEE CHART.
6. CURB ENDS TO ROUNDED AND BATTERED FACES TO BE CUT WHEN CALLED FOR ON THE PLANS.

RADIUS	MAX. LENGTH
21'	3'
22'-28'	4'
29'-35'	5'
36'-42'	6'
43'-49'	7'
50'-56'	8'
57'-60'	9'
OVER 60'	10'

**VERTICAL GRANITE CURB**

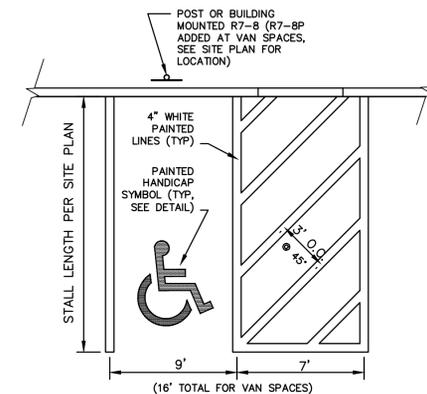
NOT TO SCALE



**BITUMINOUS CONCRETE PAVEMENT DETAIL**

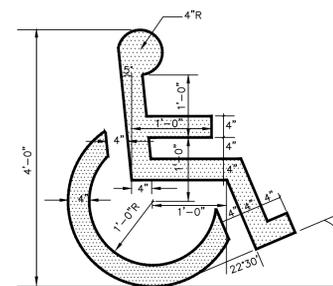
(SEE GEOTECHNICAL RECOMMENDATIONS)

CASE #20-12



**ADA PARKING STALL LAYOUT DETAIL**

NOT TO SCALE

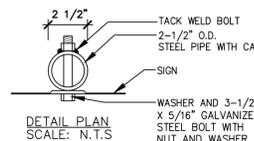


**PAINTED ADA SYMBOL DETAIL**

NOT TO SCALE

**NOTES**

1. SYMBOL TO BE PAINTED IN ALL HANDICAPPED ACCESSIBLE SPACES IN WHITE PAINT (BLUE-PAINTED SQUARE BACKGROUND OPTIONAL).



**DETAIL PLAN SCALE: N.T.S.**



R7-8P  
18" x 9"

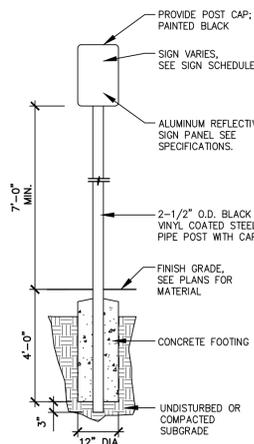


R7-8  
12" x 18"

**NOTE:**  
ALL SIGNS TO BE INSTALLED AS INDICATED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.

**SIGN LEGEND**

NOT TO SCALE



**SIGN POST DETAIL**

NOT TO SCALE



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ISSUE DATE:  
SEPTEMBER 25, 2020

NO.	DESCRIPTION	BY	DATE
0	PB SUBMITTAL	CDB	08/04/20
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

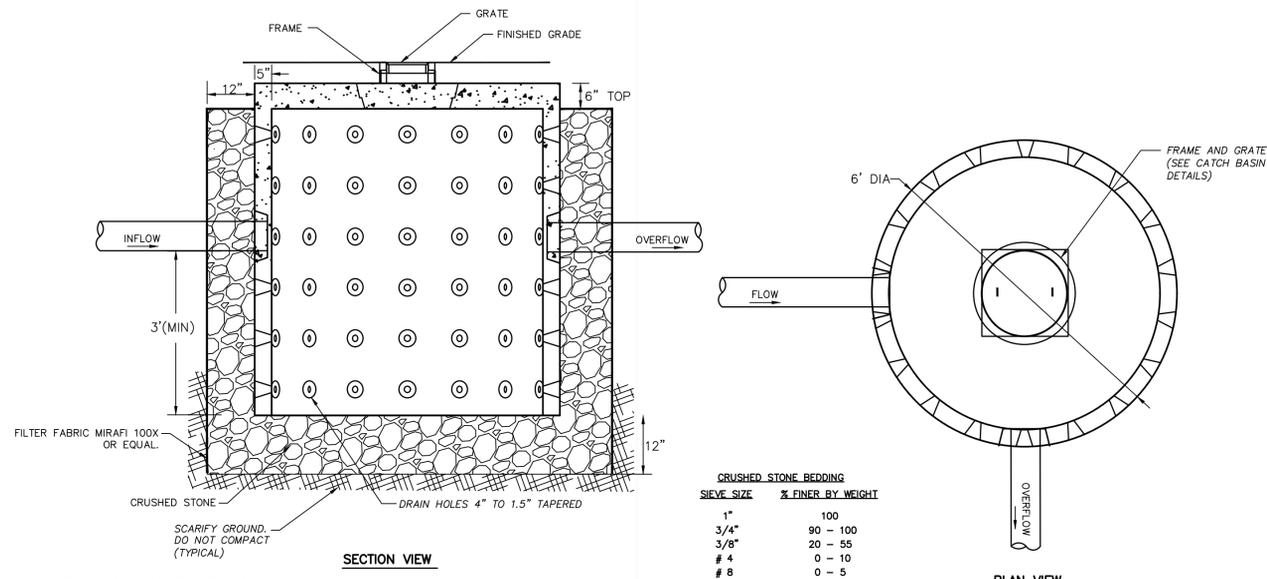
ASSESSOR PARCEL 72, LOT 29

TITLE:  
DETAILS SHEET

SHEET NUMBER:

C7.03

P5030



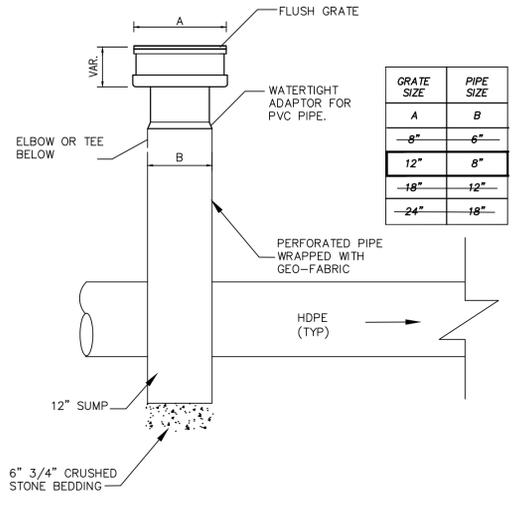
**CRUSHED STONE BEDDING**

SIeve SIZE	% FINER BY WEIGHT
1"	100
3/4"	90 - 100
3/8"	20 - 55
# 4	0 - 10
# 8	0 - 5

- CONSTRUCTION SPECIFICATIONS**
1. LEACHING BASIN SHALL BE CONSTRUCTED ONSITE OR PRECAST TO EQUAL DIMENSIONS.
  2. LEACHING BASIN SHALL BE DESIGNED AND BUILT TO WITHSTAND H2O LOADING.
  3. ALL CONCRETE SHALL BE 4,000 PSI MINIMUM.

**LEACHING CATCH BASIN (DRY WELL) DETAIL**

NOT TO SCALE

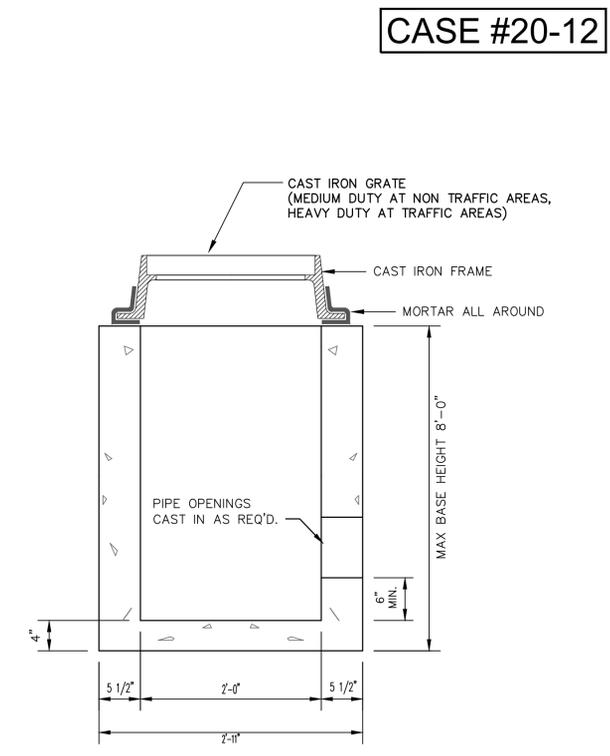


GRATE SIZE	PIPE SIZE
A	B
8"	6"
12"	8"
18"	12"
24"	18"

- YARD DRAIN NOTES:**
1. INLINE DRAIN TO BE PVC DIAMETER AS SPECIFIED AND AS MANUFACTURED BY ADS 1-800-821-6710 OR APPROVED EQUAL.
  2. THE CONTRACTOR SHALL INSTALL THE INLINE DRAIN AS PER THE MANUFACTURER'S RECOMMENDATIONS AND AS SHOWN ON THE DRAWINGS.

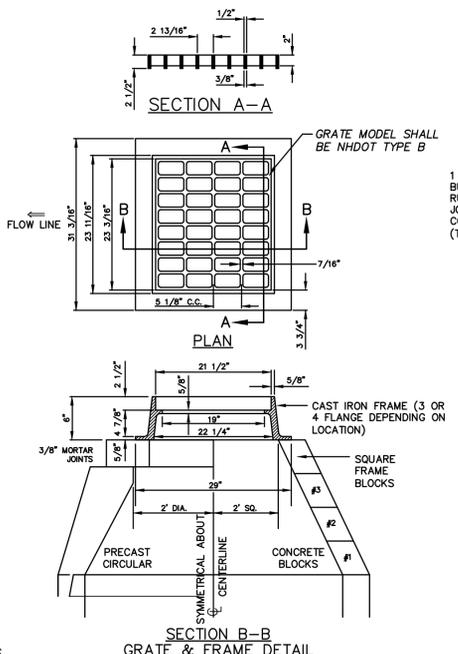
**YARD DRAIN AND GRATE DETAIL**

NOT TO SCALE



**AREA DRAIN**

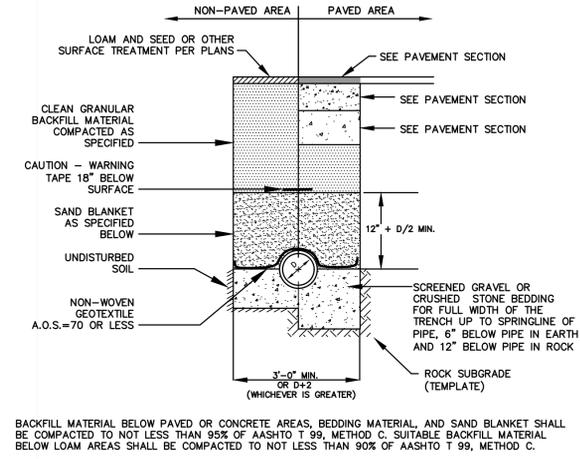
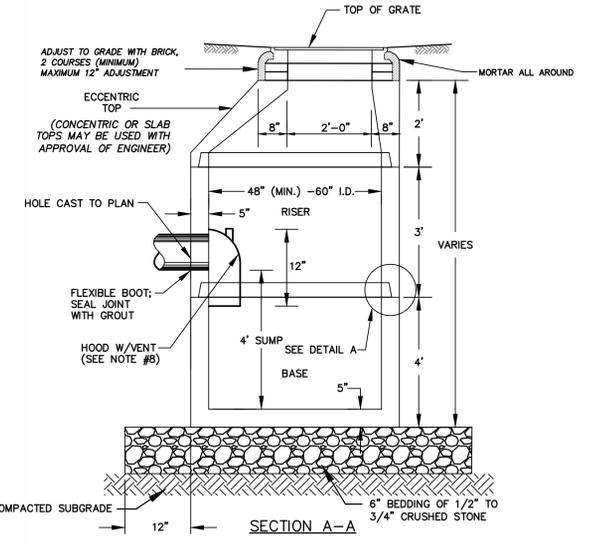
NOT TO SCALE



- NOTES**
1. ALL SECTIONS SHALL BE CONCRETE CLASS AA (4000 PSI).
  2. CIRCUMFERENTIAL REINFORCEMENT SHALL BE 0.12 SQ. IN. PER LINEAR FT. IN ALL SECTIONS AND SHALL BE PLACED IN THE CENTER THIRD OF THE WALL.
  3. THE TONGUE OR GROOVE OF THE JOINT SHALL CONTAIN ONE LINE OF CIRCUMFERENTIAL REINFORCEMENT EQUAL TO 0.12 SQ. IN. PER LINEAR FT.
  4. RISERS OF 1', 2', 3' & 4' CAN BE USED TO REACH DESIRED DEPTH.
  5. THE STRUCTURES SHALL BE DESIGNED FOR H2O LOADING.
  6. USE H2O LOADING SLAB TOP SECTION IN LIEU OF ECCENTRIC TOP WHERE PIPE INVERT IS WITHIN 4' OF FINISH GRADE.
  7. FRAME AND GRATE DIMENSIONS ARE TYPICAL BUT MAY VARY BASED ON PRODUCT SELECTED OR EQUIVALENT APPROVED BY THE ENGINEER.
  8. OIL/WATER/DEBRIS SEPARATOR HOOD, "THE SNOOT" BY BEST MANAGEMENT PRODUCTS, INC. (WWW.BESTMP.COM) OR APPROVAL EQUAL. INSTALL PER MANUFACTURER'S SPECIFICATIONS.

**DEEP SUMP CATCH BASIN/RAIN MANHOLE**

NOT TO SCALE



**SAND BLANKET/BARRIER**

SIieve SIZE	% FINER BY WEIGHT
1/2"	90 - 100
200	0 - 15

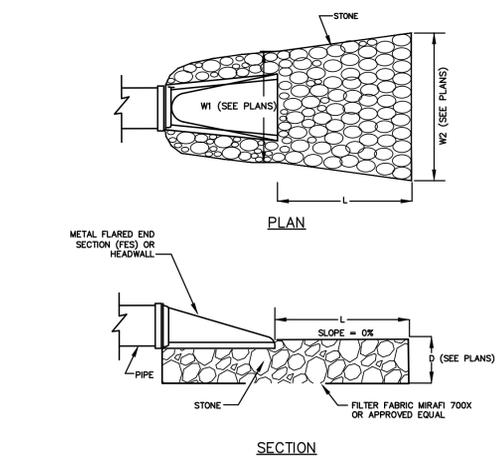
**SCREENED GRAVEL OR CRUSHED STONE BEDDING\***

SIieve SIZE	% PASSING BY WEIGHT
1"	100
3/4"	90 - 100
3/8"	20 - 55
# 4	0 - 10
# 8	0 - 5

\* EQUIVALENT TO STANDARD STONE SIZE #67 - SECTION 703 OF NHDOT STANDARD SPECIFICATIONS

**STORM DRAIN AND SEWER TRENCH**

NOT TO SCALE



- MAINTENANCE**
- THE OUTLET PROTECTION SHOULD BE CHECKED AT LEAST ANNUALLY AND AFTER EVERY MAJOR STORM. IF THE RIPRAP HAS BEEN DISPLACED, UNDERMINED OR DAMAGED, IT SHOULD BE REPAIRED IMMEDIATELY. THE CHANNEL IMMEDIATELY BELOW THE OUTLET SHOULD BE CHECKED TO SEE THAT EROSION IS NOT OCCURRING. THE DOWNSTREAM CHANNEL SHOULD BE KEPT CLEAR OF OBSTRUCTIONS SUCH AS FALLEN TREES, DEBRIS, AND SEDIMENT THAT COULD CHANGE FLOW PATTERNS AND/OR TAILWATER DEPTHS ON THE PIPES. REPAIRS MUST BE CARRIED OUT IMMEDIATELY TO AVOID ADDITIONAL DAMAGE TO THE OUTLET PROTECTION APRON.
- CONSTRUCTION SPECIFICATIONS**
1. THE SUBGRADE FOR THE FILTER MATERIAL, GEOTEXTILE FABRIC, AND RIPRAP SHALL BE PREPARED TO THE LINES AND GRADES SHOWN ON THE PLANS.
  2. THE ROCK OR GRAVEL USED FOR FILTER OR RIPRAP SHALL CONFORM TO THE SPECIFIED GRADATION.
  3. GEOTEXTILE FABRICS SHALL BE PROTECTED FROM PUNCTURE OR TEARING DURING THE PLACEMENT OF THE ROCK RIPRAP. DAMAGED AREAS IN THE FABRIC SHALL BE REPAIRED BY PLACING A PIECE OF FABRIC OVER THE DAMAGED AREA OR BY COMPLETE REPLACEMENT OF THE FABRIC. ALL OVERLAPS REQUIRED FOR JOINING TWO PIECES OF FABRIC SHALL BE A MINIMUM OF 12 INCHES.
  4. STONE FOR THE RIP RAP MAY BE PLACED BY EQUIPMENT AND SHALL BE CONSTRUCTED TO THE FULL LAYER THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO PREVENT SEGREGATION OF THE STONE SIZES.

**RIPRAP OUTLET PROTECTION**

NOT TO SCALE



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

SCALE: NO SCALE

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

PROJECT:  
PHILLIPS EXETER ACADEMY  
NEW DORMITORY

ASSESSOR PARCEL 72, LOT 29

TITLE:  
DETAILS SHEET

SHEET NUMBER:  
C7.04

THIS DRAWING HAS NOT BEEN RELEASED FOR CONSTRUCTION

P5030



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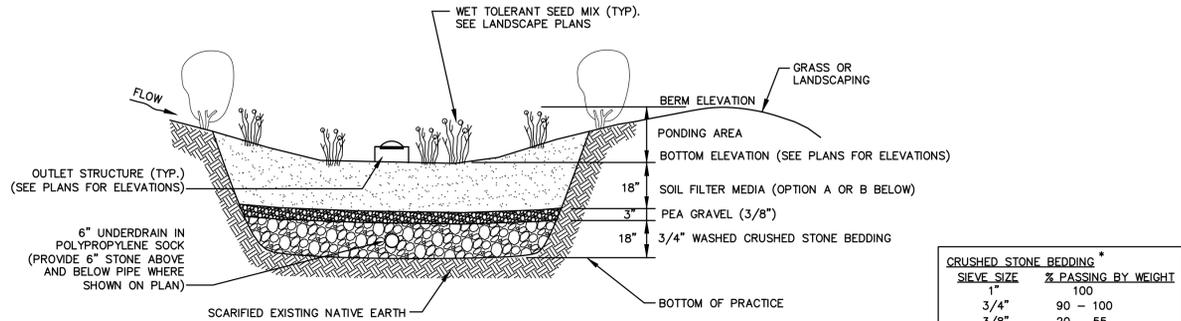
PROJECT:  
PHILLIPS EXETER ACADEMY  
NEW DORMITORY

ASSESSOR PARCEL 72, LOT 29

TITLE:  
DETAILS SHEET

SHEET NUMBER:

C7.05



SIEVE SIZE	% PASSING BY WEIGHT
1"	100
3/4"	90 - 100
3/8"	20 - 55
# 4	0 - 10
# 8	0 - 5

\* EQUIVALENT TO STANDARD STONE SIZE #67 - SECTION 703 OF NHDOT STANDARD SPECIFICATIONS

Component Material	Percent of Mixture by Volume	Gradation of material	
		Sieve No.	Percent by Weight Passing Standard Sieve
<b>Filter Media Option A</b>			
ASTM C-33 concrete sand	50 to 55		
Loamy sand topsoil, with fines as indicated	20 to 30	200	15 to 25
Moderately fine shredded bark or wood fiber mulch, with fines as indicated	20 to 30	200	< 5
<b>Filter Media Option B</b>			
Moderately fine shredded bark or wood fiber mulch, with fines as indicated	20 to 30	200	< 5
Loamy coarse sand	70 to 80	10	85 to 100
		20	70 to 100
		60	15 to 40
		200	8 to 15

**NOTES**

- WHEN CONTRACTOR EXCAVATES RAIN GARDEN AREA TO SUBGRADE, DESIGN ENGINEER SHALL PERFORM SUBSURFACE EVALUATION PRIOR TO THE PLACEMENT OF ANY SELECT MATERIAL OR OTHER BACKFILL.
- SOIL FILTER MEDIA SHALL BE EITHER OPTION A OR OPTION B AT CONTRACTOR'S DISCRETION. DO NOT PLACE THE RAIN GARDEN INTO SERVICE UNTIL THE BMP HAS BEEN PLANTED AND ITS CONTRIBUTING AREAS HAVE BEEN FULLY STABILIZED.
- DO NOT DISCHARGE SEDIMENT-LADEN WATERS FROM CONSTRUCTION ACTIVITIES (RUNOFF, WATER FROM EXCAVATIONS) TO THE RAIN GARDEN AREA DURING ANY STAGE OF CONSTRUCTION.
- DO NOT TRAFFIC EXPOSED SOIL SURFACE WITH CONSTRUCTION EQUIPMENT. IF FEASIBLE, PERFORM EXCAVATIONS WITH EQUIPMENT POSITIONED OUTSIDE THE LIMITS OF THE INFILTRATION COMPONENTS OF THE SYSTEM.

**MAINTENANCE REQUIREMENTS**

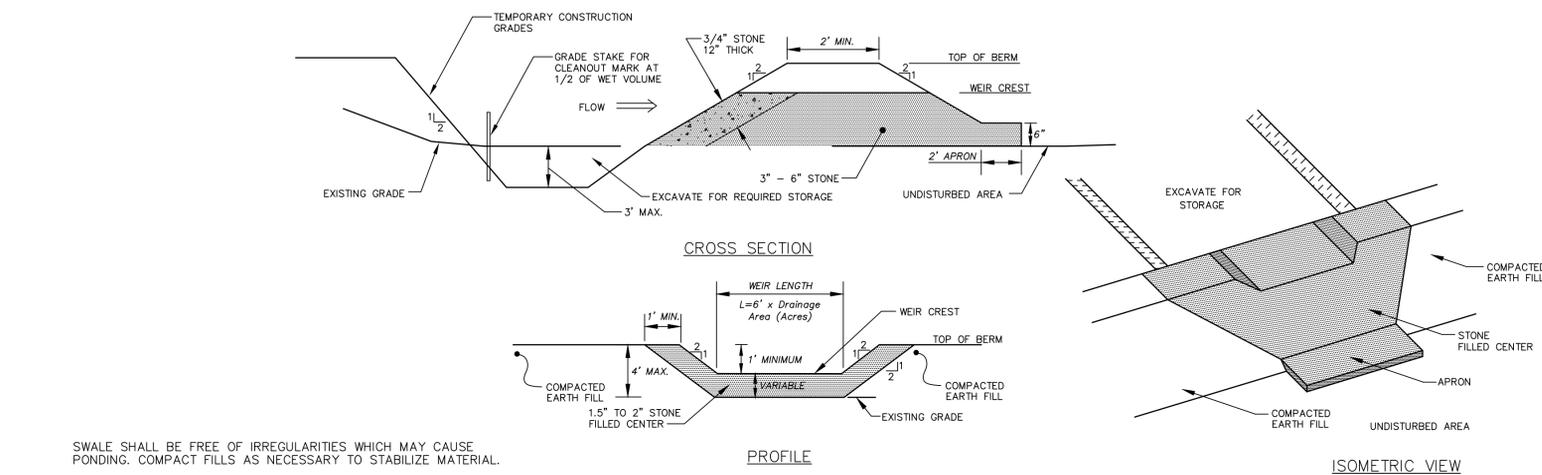
- SYSTEMS SHOULD BE INSPECTED AT LEAST TWICE ANNUALLY, AND FOLLOWING ANY RAINFALL EXCEEDING 2.5 INCHES IN A 24-HOUR PERIOD, WITH MAINTENANCE OR REHABILITATION CONDUCTED AS WARRANTED BY SUCH INSPECTION.
- PRETREATMENT MEASURES SHOULD BE INSPECTED AT LEAST TWICE ANNUALLY, AND CLEANED OF ACCUMULATED SEDIMENT AS WARRANTED BY INSPECTION, BUT NO LESS THAN ONCE ANNUALLY.
- AT LEAST ONCE ANNUALLY, SYSTEM SHOULD BE INSPECTED FOR DRAWDOWN TIME. IF BIORETENTION SYSTEM DOES NOT DRAIN WITHIN 72-HOURS FOLLOWING A RAINFALL EVENT, THEN A QUALIFIED PROFESSIONAL SHOULD ASSESS THE CONDITION OF THE FACILITY TO DETERMINE MEASURES REQUIRED TO RESTORE FILTRATION FUNCTION OR INFILTRATION FUNCTION (AS APPLICABLE), INCLUDING BUT NOT LIMITED TO REMOVAL OF ACCUMULATED SEDIMENTS OR RECONSTRUCTION OF THE FILTER MEDIA.
- VEGETATION SHOULD BE INSPECTED AT LEAST ANNUALLY, AND MAINTAINED IN HEALTHY CONDITION, INCLUDING, PRUNING, REMOVAL, AND REPLACEMENT OF DEAD OR DISEASED VEGETATION, AND REMOVAL OF INVASIVE SPECIES.

**DESIGN REFERENCES**

- UNH STORMWATER CENTER
- EPA (1999A)
- NEW HAMPSHIRE STORMWATER MANAGEMENT MANUAL, VOLUME 2, DECEMBER 2008 AS AMENDED.

**TYPICAL RAINGARDEN**

NOT TO SCALE



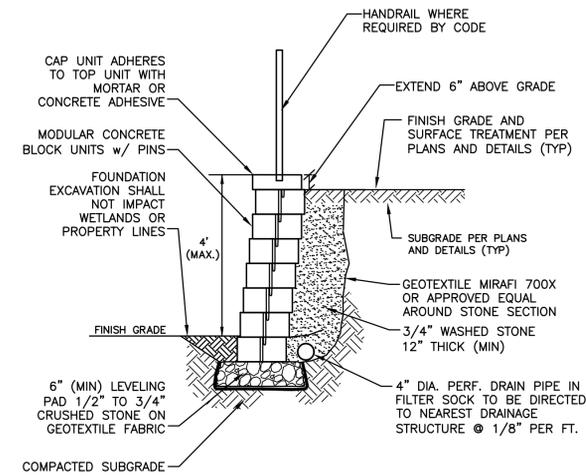
SWALE SHALL BE FREE OF IRREGULARITIES WHICH MAY CAUSE PONDING. COMPACT FILLS AS NECESSARY TO STABILIZE MATERIAL.

**MAINTENANCE**

- SEDIMENT SHALL BE REMOVED AND THE TRAP SHALL BE RESTORED TO ITS ORIGINAL CAPACITY WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN STORAGE VOLUME. SEDIMENT REMOVED SHALL BE DISPOSED OF SO THAT IT DOES NOT CAUSE A SEDIMENT PROBLEM AT ANOTHER LOCATION.
- THE STRUCTURE SHALL BE CHECKED BI-WEEKLY AND AFTER EVERY MAJOR STORM TO INSURE THAT IT IS WORKING PROPERLY AND IS NOT DAMAGED. DAMAGE TO THE STRUCTURE SHALL BE REPAIRED IMMEDIATELY.
- 3/4" STONE SHALL BE CHECKED DURING INSPECTION AND REPLACED WHEN THE OPENINGS IN THE STONE HAVE BECOME CLOGGED.
- WHEN THE DRAINAGE AREA FLOWING INTO THE BASIN HAS BEEN FULLY STABILIZED, THE SEDIMENT TRAP SHALL BE REMOVED AND THE AREA VEGETATED USING LOAM AND SEED WITH MULCH (OR SOD IF NECESSARY) WITHIN 72 HOURS OF THE REMOVAL OF THE BASIN.

**TEMPORARY DIVERSION SWALE** NOT TO SCALE

**TEMPORARY SEDIMENT TRAP (TST) OUTLET** NOT TO SCALE

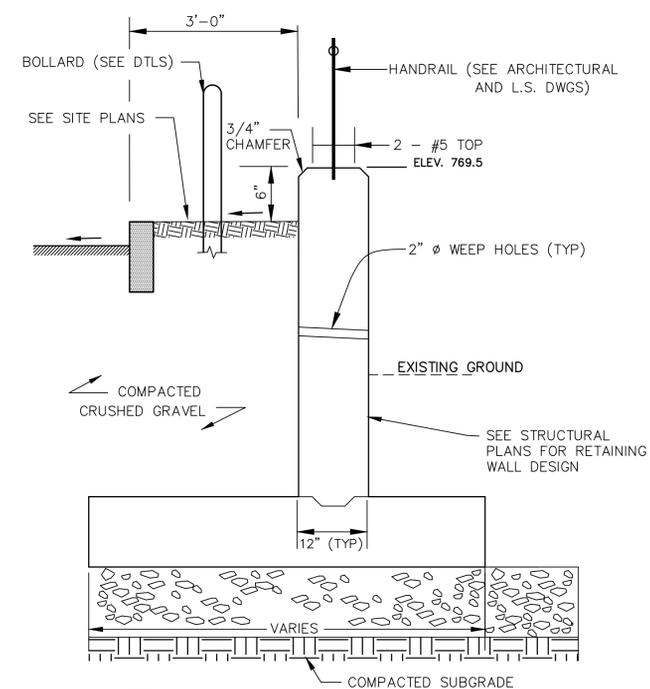


**NOTES:**

- TYPICAL MODULAR BLOCK SHALL BE PRECAST CONCRETE MEASURING APPROXIMATELY 16"x12"x6". OTHER BLOCK SIZES MAY BE APPROVED BY THE ENGINEER UPON REQUEST. CAP UNITS SHALL BE PER THE STANDARDS OF THE SELECTED MANUFACTURER.
- BLOCK MANUFACTURER SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
- WALL SHALL BE INSTALLED PER THE REQUIREMENTS OF THE MANUFACTURER.
- WALL HEIGHT SHALL NOT EXCEED 4' WITHOUT DESIGN DRAWINGS STAMPED BY A PROFESSIONAL STRUCTURAL ENGINEER.
- LOCKING PINS MAY OR MAY NOT BE REQUIRED BASED ON THE WALL MANUFACTURER APPROVED BY THE ENGINEER.
- WALL SHALL BE EMBEDDED BELOW EXISTING GRADE THE DEPTH OF AT LEAST ONE BLOCK UNLESS OTHERWISE SPECIFIED BY THE WALL MANUFACTURER.
- WALL BATTER SHALL BE PER THE MANUFACTURER'S SPECIFICATIONS.
- BLOCK FINISH SHALL BE AT THE DISCRETION OF THE OWNER.
- MODULAR BLOCK RETAINING WALL SHALL BE VERSA-LOK RETAINING WALL SYSTEMS (OR APPROVED EQUAL).

**SMALL BLOCK GRAVITY RETAINING WALL**

NOT TO SCALE



**NOTES:**

- CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCY BETWEEN PLAN AND FIELD CONDITION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD CONTROL.
- CONTRACTOR SHALL NOT DISTURB WETLANDS TO REMOVE EXISTING WALL OR FOR THE CONSTRUCTION OF THE NEW WALL.
- CONTRACTOR SHALL HAVE A STRUCTURAL ENGINEER STAMP ALL RETAINING WALLS 4 FT HIGH OR GREATER.

**CONCRETE RETAINING WALL DETAIL**

NOT TO SCALE



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SCALE: NO SCALE

OWNER/APPLICANT:  
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PROJECT:  
PHILLIPS EXETER ACADEMY  
NEW DORMITORY

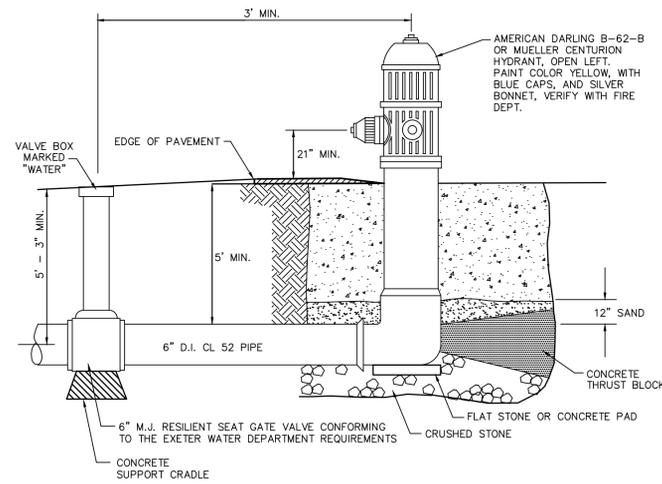
ASSESSOR PARCEL 72, LOT 29

TITLE:  
DETAILS SHEET

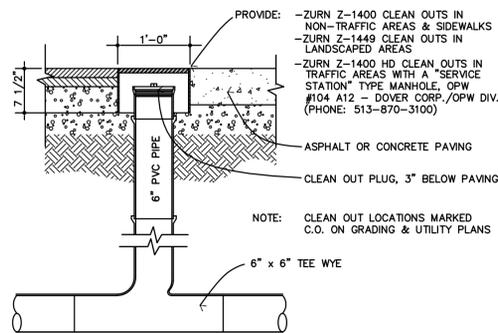
SHEET NUMBER:

C7.06

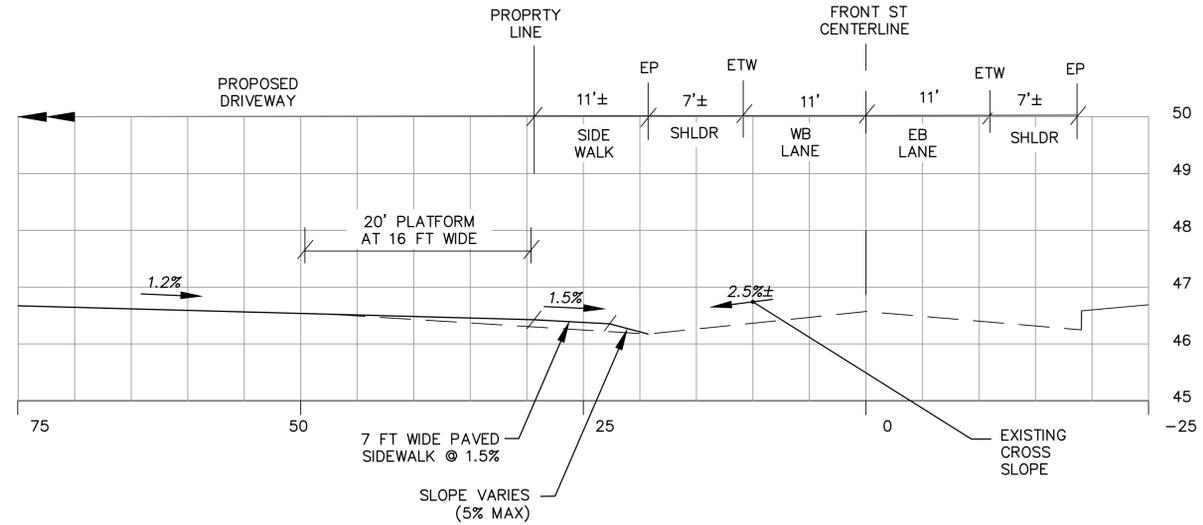
- NOTES:
- HYDRANT INSTALLATION AND OPERATION TO CONFORM TO REGULATIONS OF TOWN OF EXETER WATER AND FIRE DEPARTMENTS.
  - GATE VALVES TO OPEN LEFT.
  - DRAIN PORTS SHALL BE PLUGGED.



FIRE HYDRANT  
(EXETER HYDRANT STANDARD)  
NOT TO SCALE



SEWER CLEANOUT  
NOT TO SCALE



DRIVEWAY PROFILE



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**kzla**

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36 Bromfield Street Suite 202 617 451-1018 Tel  
Boston, MA 02108 www.kylezick.com

**SLAM**  
The S.L.A.M. Collaborative

250 Summer Street  
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Boston, MA 02210-1135  
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REVISIONS	NO.	DESCRIPTION	BY	DATE

DRAWN BY: \_\_\_\_\_ RB  
APPROVED BY: \_\_\_\_\_ KZ  
DRAWING FILE: 5030.SITE.DWG

SCALE: 1"=20'

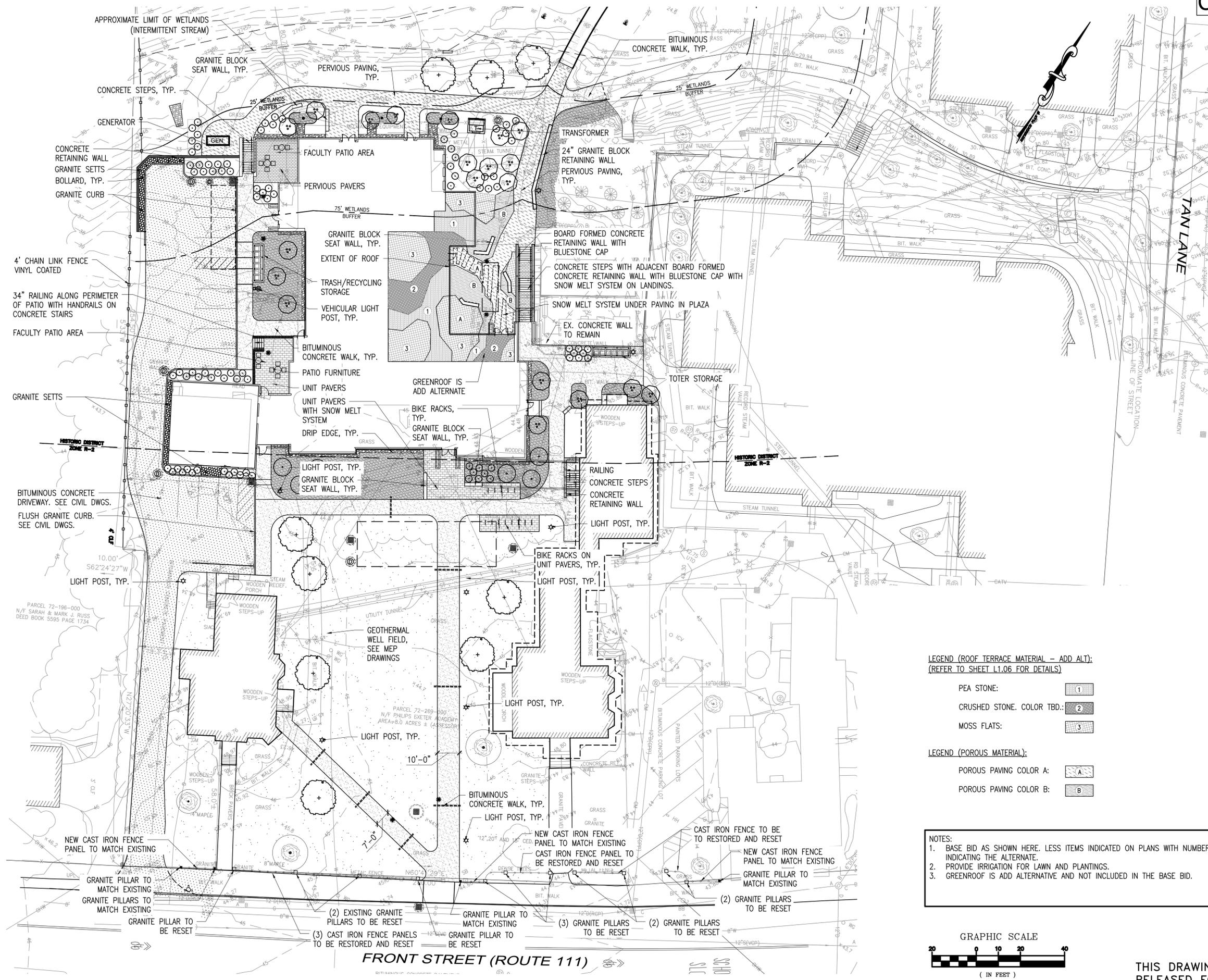
OWNER:  
PHILLIPS EXETER ACADEMY  
20 MAIN STREET  
EXETER, NH 03833

PROJECT:  
PHILLIPS EXETER ACADEMY  
NEW DORMITORY

ASSESSOR PARCEL 72, LOT 29

TITLE:  
LAYOUT & MATERIALS PLAN

SHEET NUMBER:  
L1.01



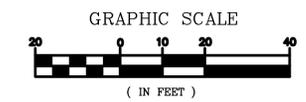
LEGEND (ROOF TERRACE MATERIAL - ADD ALT):  
(REFER TO SHEET L1.06 FOR DETAILS)

- PEA STONE: [1]
- CRUSHED STONE, COLOR TBD.: [2]
- MOSS FLATS: [3]

LEGEND (POROUS MATERIAL):

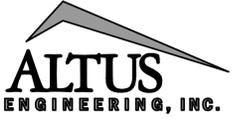
- POROUS PAVING COLOR A: [A]
- POROUS PAVING COLOR B: [B]

NOTES:  
1. BASE BID AS SHOWN HERE. LESS ITEMS INDICATED ON PLANS WITH NUMBER INDICATING THE ALTERNATE.  
2. PROVIDE IRRIGATION FOR LAWN AND PLANTINGS.  
3. GREENROOF IS ADD ALTERNATIVE AND NOT INCLUDED IN THE BASE BID.



THIS DRAWING HAS NOT BEEN  
RELEASED FOR CONSTRUCTION

P5030



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REVISIONS  
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 APPROVED BY: KZ  
 DRAWING FILE: 5030\_SITE.DWG

SCALE:  
 1"=20'

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

PROJECT:  
 PHILLIPS EXETER ACADEMY  
 NEW DORMITORY

ASSESSOR PARCEL 72, LOT 29

TITLE:

PLANTING  
 PLAN

SHEET NUMBER:

L1.02

PLANTING NOTES:

- IF DISCREPANCIES EXIST BETWEEN THE NUMBER OF PLANTS DRAWN ON THE PLANTING PLAN AND THE NUMBER OF PLANTS IN THE PLANT LIST, THE PLANTING PLAN SHALL GOVERN.
- ALL NEW PLANT MATERIAL SHALL CONFORM TO THE MINIMUM GUIDELINES ESTABLISHED FOR NURSERY STOCK PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC. IN ADDITION, ALL NEW PLANT MATERIAL FOR THE PROJECT SHALL BE OF SPECIMEN QUALITY.
- ALL NEW PLANTS TO BE BALLED AND BURLAPPED OR CONTAINER-GROWN, UNLESS OTHERWISE NOTED ON THE PLANT LIST.
- THE CONTRACTOR SHALL SUPPLY ALL NEW PLANT MATERIAL IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON THE DRAWINGS.
- ANY PROPOSED SUBSTITUTIONS OF PLANT SPECIES SHALL BE MADE WITH PLANTS OF EQUIVALENT OVERALL FORM, HEIGHT, BRANCHING HABIT, FLOWER, LEAF, COLOR, FRUIT AND CULTURE, AND ONLY AFTER WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT.
- ALL NEW PLANTS SHALL BE TAGGED AND APPROVED BY THE LANDSCAPE ARCHITECT AT THE NURSERY PRIOR TO DIGGING OR DELIVERY TO THE SITE.
- CONTRACTOR SHALL LOCATE AND VERIFY ALL EXISTING UTILITY LINES PRIOR TO PLANTING AND SHALL REPORT ANY CONFLICTS TO THE LANDSCAPE ARCHITECT.
- STAKE LOCATION OF ALL PROPOSED PLANTING FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO THE COMMENCEMENT OF PLANTING.
- NEW SHRUBS AND GROUND COVER SHALL BEAR THE SAME RELATIONSHIP TO GRADE AS IT BORE TO PREVIOUS GRADE. TREES SHALL BE SET 3" HIGHER THAN PREVIOUS GRADE. NO TREES SHALL BE PLANTED BEFORE ACCEPTANCE OF ROUGH GRADING.
- ALL PLANT BEDS TO RECEIVE THREE INCHES (3") OF BARK MULCH AS PER SPECIFICATIONS.
- ALL EXISTING TREES TO REMAIN SHALL BE PROPERLY PROTECTED DURING CONSTRUCTION. PROTECTION TECHNIQUES SHALL BE REVIEWED AND APPROVED BY THE LANDSCAPE ARCHITECT.
- CONTRACTOR SHALL PROVIDE FULL DEPTHS OF LOAM AS NOTED ON DETAILS AND AS SPECIFIED, FOR ALL PLANTING.
- CONTRACTOR SHALL COORDINATE LOCATION OF ALL UTILITIES (LINES, DUCTS, CONDUITS, SLEEVES, FOOTINGS, ETC.) WITH LOCATIONS OF PROPOSED LANDSCAPE ELEMENTS (WALLS, FENCE, FOOTINGS, TREE ROOTBALLS, PROPOSED LIGHTING FOOTINGS, ETC.). CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO LANDSCAPE ARCHITECT PRIOR TO CONTINUING WORK.
- LIMIT OF WORK LINE IS NOTED ON DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE DUE TO OPERATIONS INSIDE AND OUTSIDE OF THE CONTRACT LIMIT LINE. ANY AREAS OUTSIDE THE LIMIT OF WORK THAT ARE DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- IN AREAS WHERE EXISTING PAVEMENTS ARE REMOVED AND ARE PROPOSED AS LAWN, THE CONTRACTOR SHALL REMOVE THE PAVEMENT AND BASE, PROVIDE FILL AND 6" TOPSOIL PRIOR TO SEEDING.

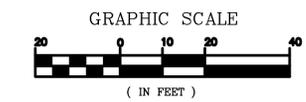
PLANT SCHEDULE

SYMBOL	QTY.	SCIENTIFIC NAME	COMMON NAME	SIZE	COMMENTS
<b>DECIDUOUS TREES</b>					
AC	8	AMELANCHIER CANADENSIS	SERVICEBERRY	10' HT	B&B CLUMP
AP	7	ACER PENSYLVANICUM	STRIPED MAPLE	10' HT	
AR	1	ACER RUBRUM 'OCTOBER GLORY'	RED MAPLE 'OCTOBER GLORY'	3" CAL.	
AS	1	ACER SACCHARUM 'FALL FIESTA'	SUGAR MAPLE 'FALL FIESTA'	3" CAL.	
CO	1	CELTIS OCCIDENTALIS	HACKBERRY	3" CAL.	
GB	6	GINKGO BILOBA 'GOLD SPIRE'	MAIDENHAIR TREE 'GOLD SPIRE'	3" CAL.	
GT	1	GLEDITSIA TRIACANTHOS 'SKYLINE'	HONEY LOCUST 'SKYLINE'	3" CAL.	
HV	5	HAMAMELIS VIRGINIANA	WITCHHAZEL	6'-8' HT	
NS	3	NYSSA SYLVATICA	BLACK TUPELO	3" CAL.	
TC	1	TILIA CORDATA 'GREENSPIRE'	LITTLELEAF LINDEN	3" CAL.	
UA	1	ULMUS AMERICANA 'PRINCETON'	AMERICAN ELM 'PRINCETON'	3" CAL.	
<b>SHRUBS</b>					
BS	38	BUXUS SEMPERVIRENS 'NEWPORT BLUE'	BOXWOOD 'NEWPORT BLUE'	30" HT.	
CA	5	CLETHRA ALNIFOLIA 'HUMMINGBIRD'	SUMMERSWEET 'HUMMINGBIRD'	24" HT.	
CS	20	CORNUS SERICEA 'KELSEY'	KELSEY'S REDTWIG DOGWOOD	18" HT.	
FG	10	FOTHERGILLA GARDENII	DWARF FOTHERGILLA	24" HT.	
IG	13	ILEX GLABRA	INKBERRY	24" HT.	

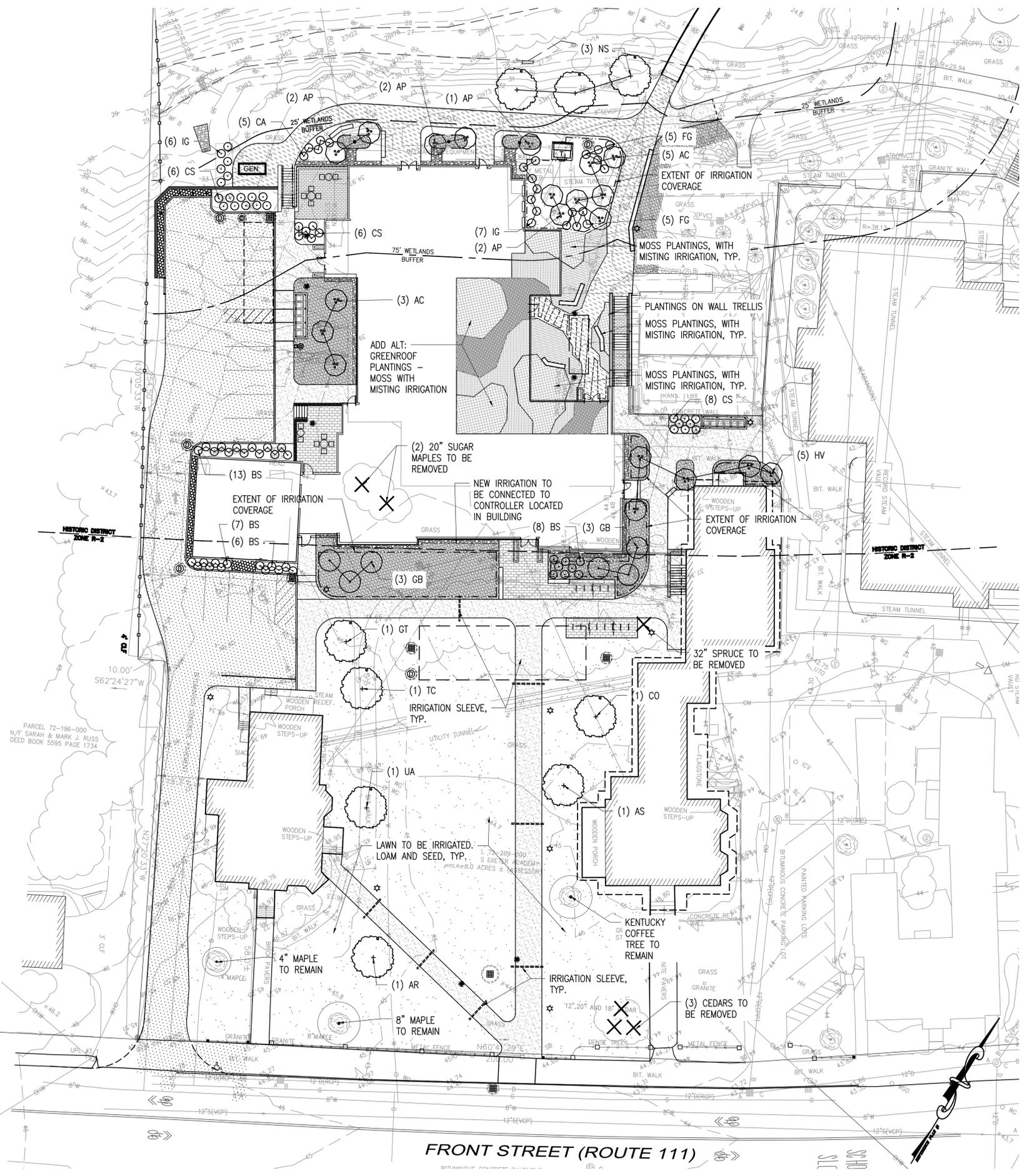
LEGEND (PLANTING):

- LOAM AND SEED: [Pattern]
- SEED MIX 2: [Pattern]
- MOSS PLANTINGS: [Pattern]

- NOTES:
- BASE BID AS SHOWN HERE. LESS ITEMS INDICATED ON PLANS WITH NUMBER INDICATING THE ALTERNATE.
  - PROVIDE IRRIGATION FOR LAWN AND PLANTINGS.



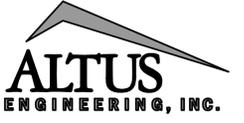
THIS DRAWING HAS NOT BEEN  
 RELEASED FOR CONSTRUCTION



FRONT STREET (ROUTE 111)

PARCEL 72-196-000  
 N/F SARAH & MARK J. RUSS  
 DEED BOOK 5595 PAGE 1734

P5030



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ISSUED FOR:  
PLANNING BOARD APPROVAL

ISSUE DATE:  
JULY 31, 2020

REVISIONS  
NO. DESCRIPTION BY DATE

DRAWN BY: RB  
APPROVED BY: KZ  
DRAWING FILE: 5030.SITE.DWG

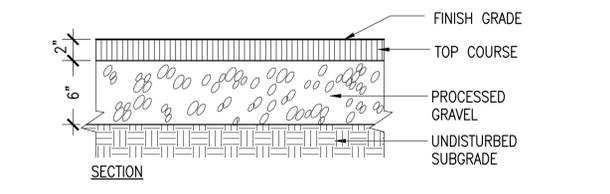
SCALE:  
AS NOTED

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

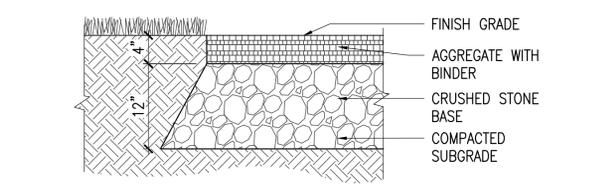
PROJECT:  
PHILLIPS EXETER ACADEMY  
NEW DORMITORY  
ASSESSOR PARCEL 72, LOT 29

TITLE:  
LANDSCAPE  
DETAILS

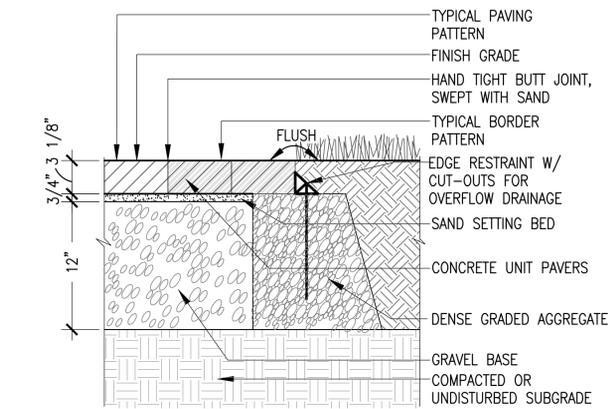
SHEET NUMBER:  
L1.03



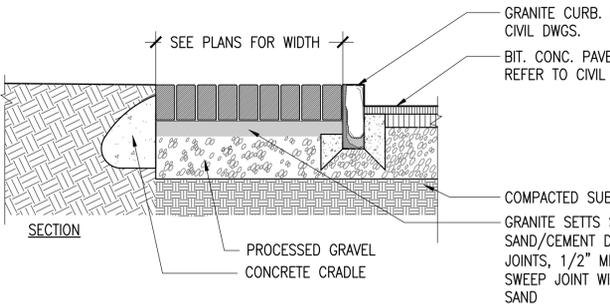
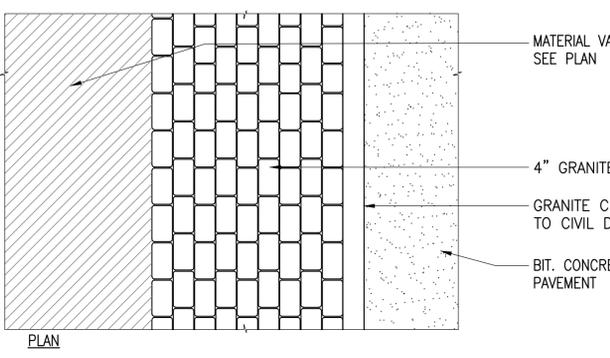
**1 BIT. CONC. PAVEMENT - PEDESTRIAN PATH**  
SCALE: 1 1/2" = 1'-0"



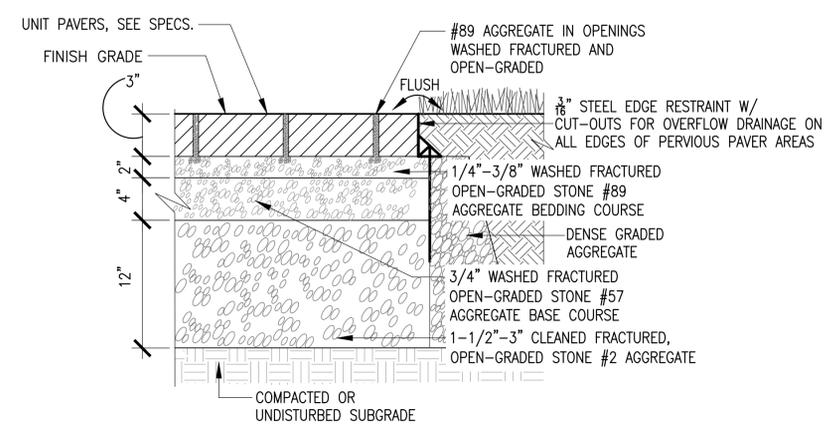
**2 PERVIOUS FLEXIBLE PAVING**  
SCALE: 1" = 1'-0"



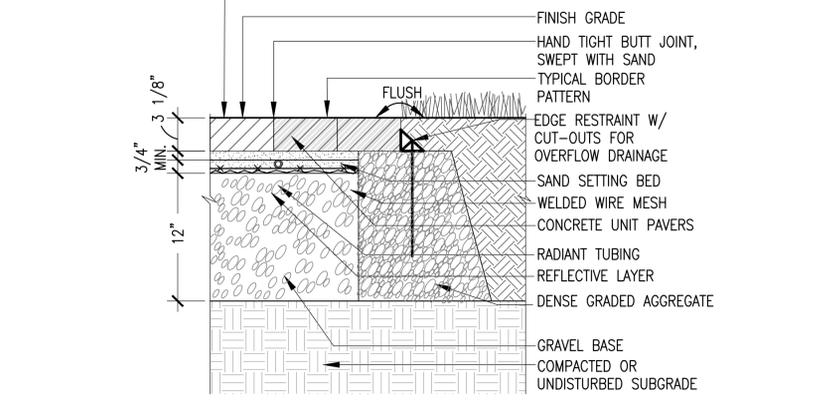
**3 UNIT PAVERS**  
SCALE: 1 1/2" = 1'-0"



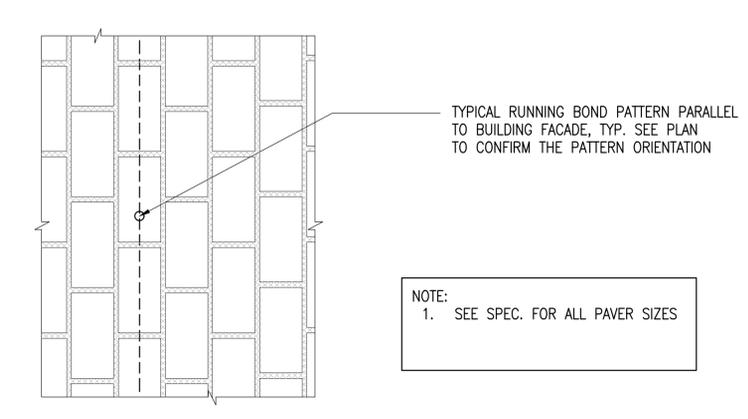
**4 GRANITE SETTS**  
SCALE: 3/4" = 1'-0"



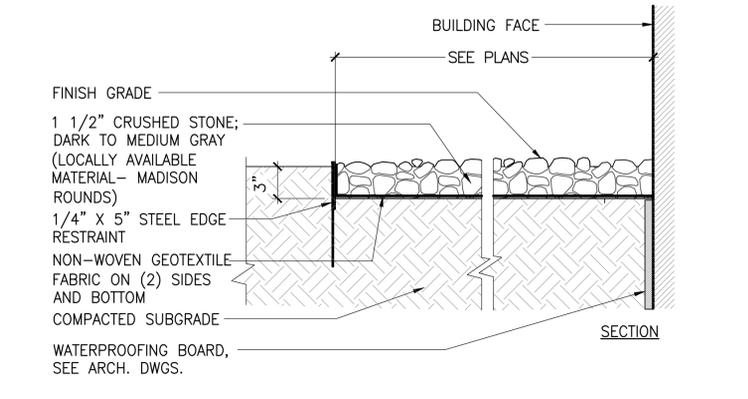
**5 PERVIOUS PAVERS**  
SCALE: 1 1/2" = 1'-0"



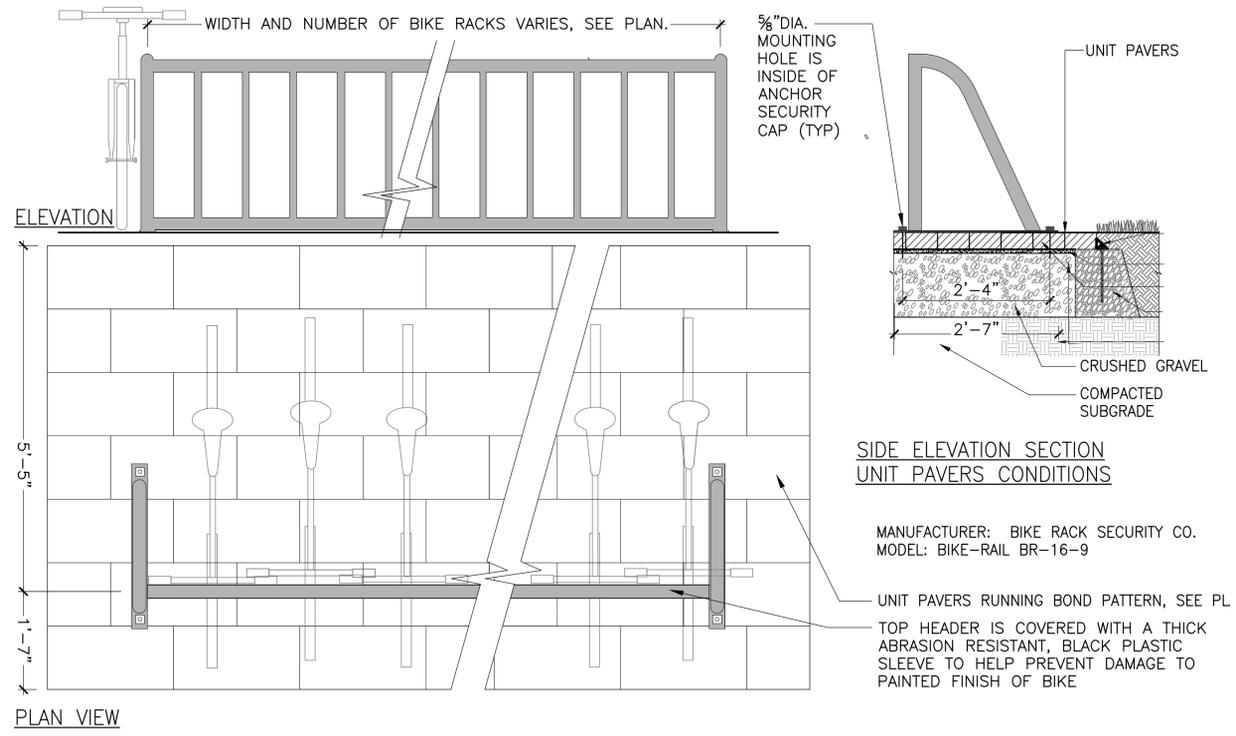
**6 UNIT PAVERS WITH SNOW MELT**  
SCALE: 1 1/2" = 1'-0"



**8 PAVING PATTERN**  
SCALE: AS SHOWN



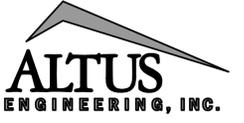
**9 DRIP EDGE**  
SCALE: 1 1/2" = 1'-0"



**7 BIKE RACKS**  
SCALE: 3/4" = 1'-0"

THIS DRAWING HAS NOT BEEN RELEASED FOR CONSTRUCTION

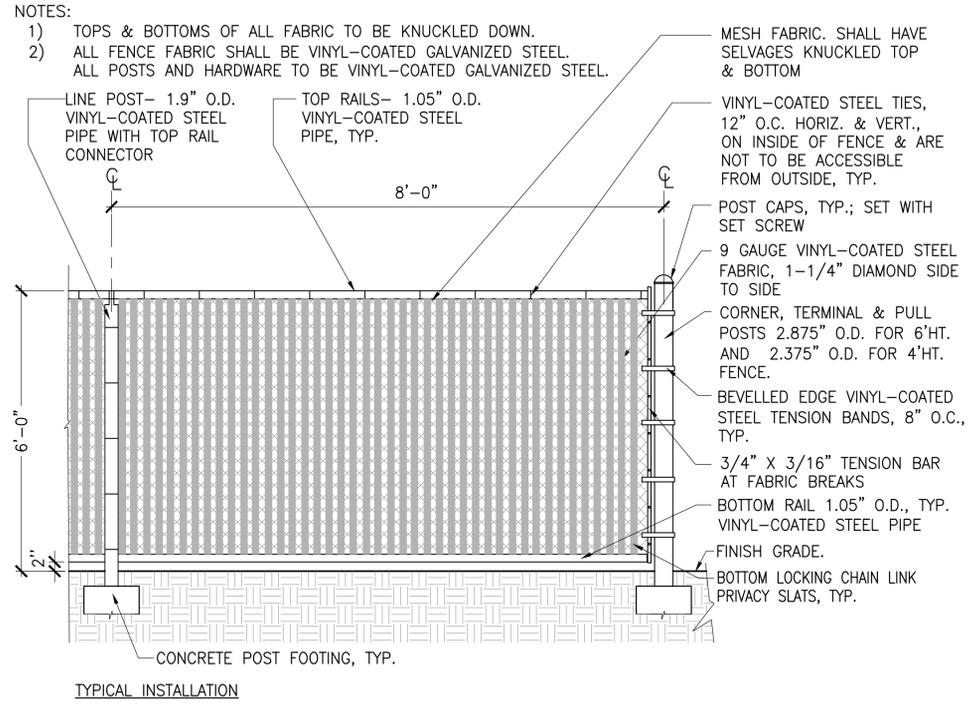
P5030



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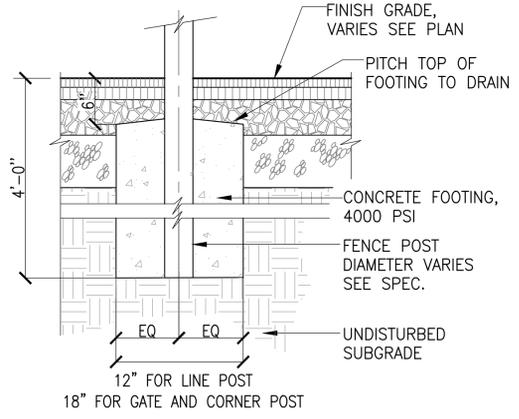
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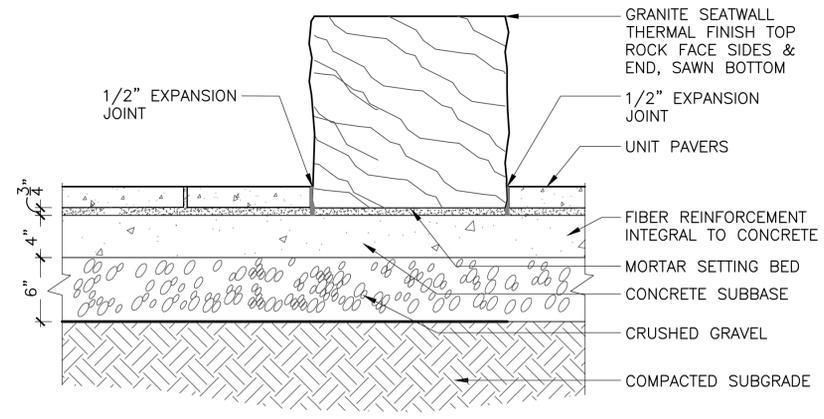
**1 CHAIN LINK FENCE WITH PRIVACY SLATS**

SCALE: NTS.



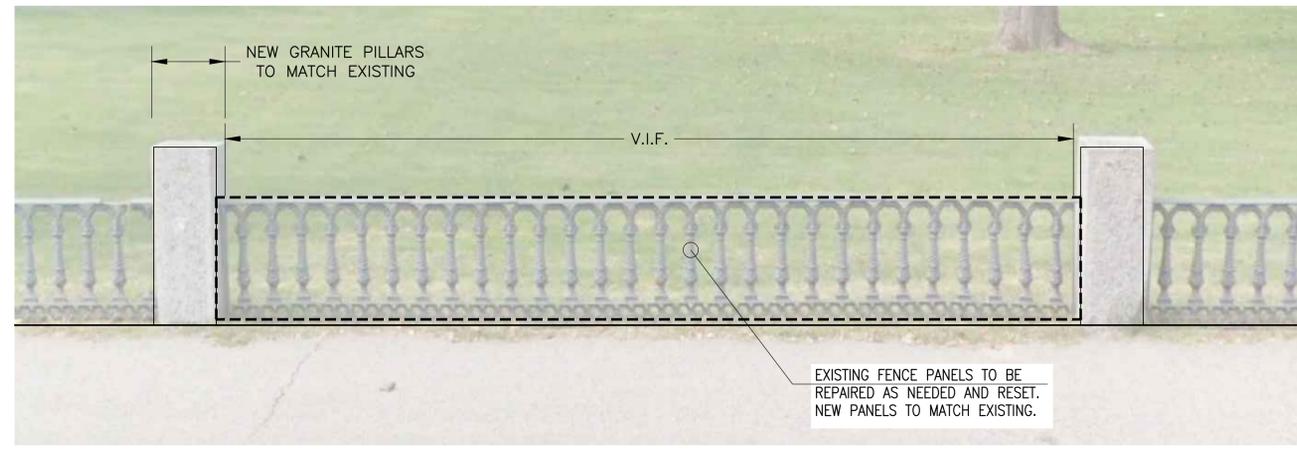
**2 CHAIN LINK FENCE FOOTING**

SCALE: 1" = 1'-0"



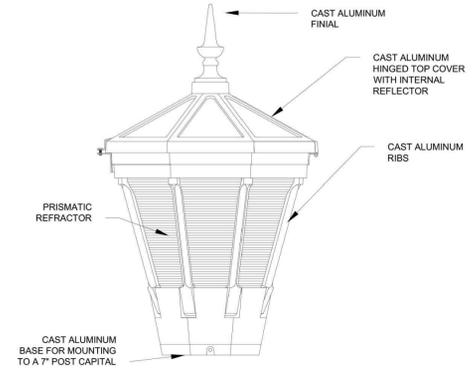
**3 GRANITE BLOCK SEATWALL**

SCALE: 1 1/2" = 1'-0"



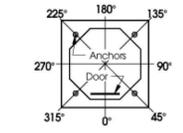
**4 CAST IRON FENCE**

SCALE: NOT NOTED



NOTES:  
- LIGHT MANUFACTURED BY HOLOPHANE.  
- LUMINAIRE TO BE "ARLINGTON".  
- POLE TO BE "BURLINGTON".  
- POLES TO INCLUDE RECEPTACLE WITH ROAM WIRELESS TECHNOLOGY.

**POLE**  
Burlington Aluminum Pole Extruded Shaft  
• BLA 12 S4J 11 P07 ABG BK  
**INSTALLATION**  
• 12.38"Ø bolt circle.  
**Anchorage/Orientation Plan**  
Street Side



**5 LIGHT POST**

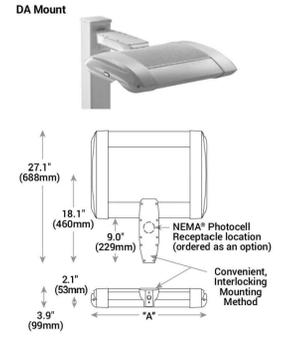
SCALE: NOT NOTED

**BURLINGTON ALUMINUM POLE EXTRUDED SHAFT POLE CRITERIA ARLINGTON**



**6 VEHICULAR LIGHT POST**

SCALE: NOT NOTED



NOTES:  
- LIGHT MANUFACTURED BY CREE.  
- LUMINAIRE TO BE "EDGE SERIES".  
- POLE TO BE SHOEBOX ARM MOUNT, 15' ON 3' BASE.

ISSUED FOR: PLANNING BOARD APPROVAL

ISSUE DATE: JULY 31, 2020

NO.	DESCRIPTION	BY	DATE

DRAWN BY: RB  
APPROVED BY: KZ  
DRAWING FILE: 5030\_SITE.DWG

SCALE: AS NOTED

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

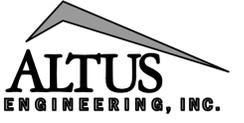
PROJECT: PHILLIPS EXETER ACADEMY  
NEW DORMITORY  
ASSESSOR PARCEL 72, LOT 29

TITLE: LANDSCAPE DETAILS

SHEET NUMBER: L1.04

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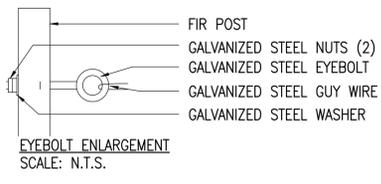
NOTES

- IF CONTAINER GROWN, SCARIFY SOIL AND ROOTS TO REMOVE CIRCLING ROOTS.
- ADD HIGH VISIBILITY FLAGGING TO EACH GUY WIRE FOR PUBLIC SAFETY.

2" X 4" X 10' FIR POSTS; 3 PER TREE EQUALLY SPACED AROUND TREE; ALL POSTS SHALL BE PLUMB AND HAVE SAME HEIGHT ABOVE FINISH GRADE; ORIENT 3" DIMENSION PERP. TO TRUNK

BORE 3/8" HOLE THROUGH 2" DIMENSION OF EACH POST, 6" FROM TOP OF POST, TO ACCEPT 1/4" X 4" GALVANIZED STEEL EYEBOLT; PROVIDE GALVANIZED STEEL WASHER AND 2 BOLTS FOR EACH EYEBOLT

13 GAUGE GALVANIZED MALLEABLE WIRE CABLE LOOPED AROUND TRUNK AND THROUGH EYEBOLT; ENCASE WIRE AROUND TRUNK IN REINFORCED RUBBER HOSE; SECURE BY TWISTING TAUTLY.



INSTALL 3 GUYS PER TREE EQUALLY SPACED AROUND ROOTBALL. ATTACH 13 GAUGE GALV. MALLEABLE STEEL GUY WIRE 2/3 HEIGHT OF TREE IN REINFORCED RUBBER HOSE; WITH CABLE CLAMPS. SECURE BY TWISTING TAUTLY.

INSTALL TREE PLUMB WATERING BAG

TOP OF ROOTBALL SHALL BEAR SAME RELATIONSHIP TO FINISHED GRADE AS TO PREVIOUS EXISTING GRADE

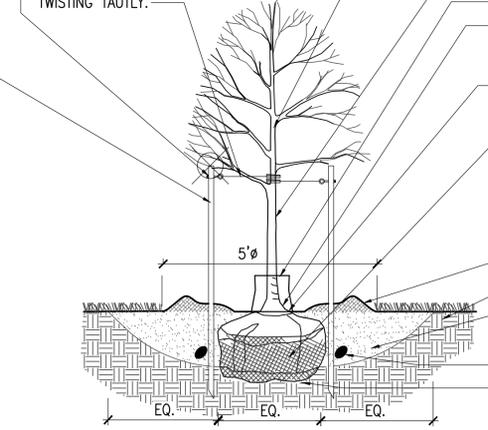
ROOT FLARE SHALL BE EXPOSED; MULCH SHOULD NOT TOUCH TREE TRUNK

PLACE BALL ON SUBSOIL. REMOVE AND DISCARD BURLAP EXCEPT UNDER BALL. REMOVE AND DISCARD ALL SYNTHETIC SOIL WRAPPING MATERIALS (TREATED BURLAP, NYLON TWINE, WIRE BASKETS, ETC.)

3" BARK MULCH

DECOMPACTED SUBGRADE EXCAVATE HOLE TO DIAMETER 3X WIDER THAN ROOTBALL. BACKFILL HOLE WITH PLANTING SOIL MIX

SLOW RELEASE FERTILIZER EXCAVATE SUBSOIL AS REQUIRED TO PLACE ROOTBALL TO PROPER ELEVATION. PLACE ROOTBALL DIRECTLY ON COMPACTED OR UNDISTURBED SUBSOIL.



SECTION ELEVATION

1 DECIDUOUS TREE

SCALE: 3/4" = 1'-0"

NOTES

- ADD HIGH VISIBILITY FLAGGING TO EACH GUY WIRE FOR PUBLIC SAFETY.

2:1 SLOPE MAX 4:1 SLOPE MIN

25° STAKE ANGLE

INSTALL 3 GUYS PER TREE EQUALLY SPACED AROUND ROOTBALL. ATTACH 13 GAUGE GALV. MALLEABLE STEEL GUY WIRE 2/3 HEIGHT OF TREE IN REINFORCED RUBBER HOSE; WITH CABLE CLAMPS. SECURE BY TWISTING TAUTLY.

(3) 2"x3"x4' FIR POST; ATTACH GALVANIZED MALLEABLE STEEL CABLE TO POST AND SECURE BY TWISTING TAUTLY; SET ANGLE OF POST & GUY TO ENTER GROUND AT THE LIMIT OF THE SPREAD OF THE BOTTOM BRANCHES; STAKES SHALL BE OUTSIDE OF TREE PIT.

DECIDUOUS TREE

EROSION MATTING AS SPECIFIED

WATERING BAG

TREE SHALL BE PLANTED 3" ABOVE SURROUNDING GRADE. TREE SHALL BE PLUMB AFTER SETTLEMENT.

3" MULCH; PULL MULCH AWAY FROM TREE TRUNK

3" HIGH EARTH SAUCER AROUND TREE PIT

PLANTING LOAM AS SPECIFIED

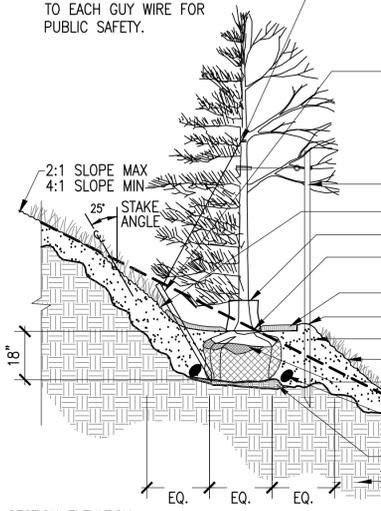
EROSION CONTROL MATTING AS SPECIFIED

ROLL BURLAP BACK FROM TOP 1/3 OF ROOTBALL BEFORE BACKFILLING. REMOVE ROPE FROM TRUNK.

SLOW RELEASE FERTILIZER

COMPACTED SUBGRADE BENCH UNDER TREE

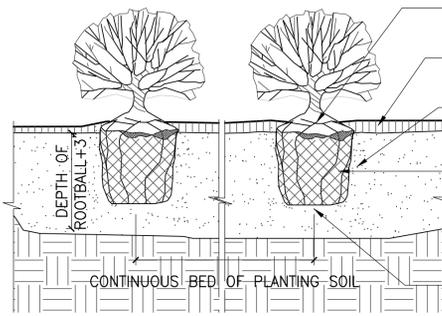
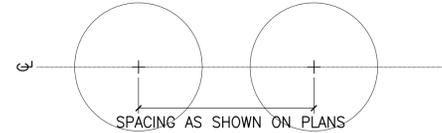
UNDISTURBED SUBGRADE OR COMPACTED BACKFILL. ROUGH GRADE TO REMAIN ON SLOPE.



SECTION ELEVATION

2 TREE PLANTING ON SLOPE

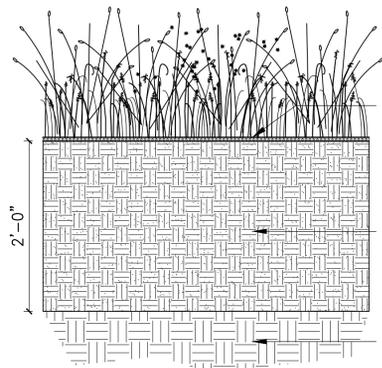
SCALE: 1 1/2" = 1'-0"



SECTION

3 SHRUB PLANTING

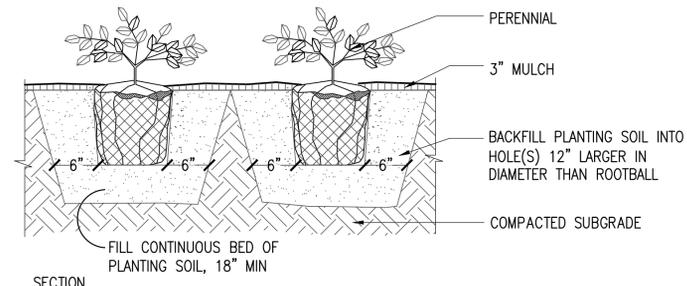
SCALE: 1 1/2" = 1'-0"



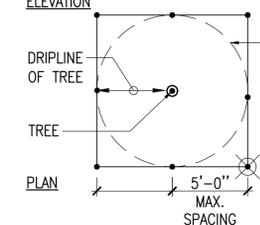
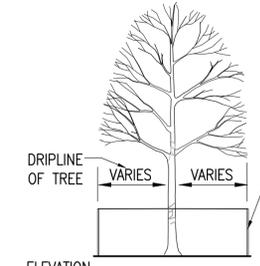
SECTION

4 RAIN GARDEN PLANTING

SCALE: 1" = 1'-0"



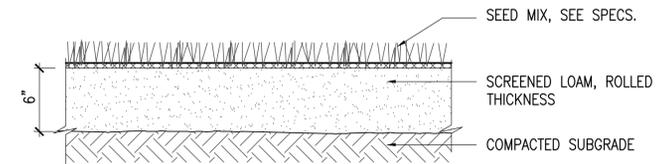
SECTION



PLAN

6 TREE & SITE PROTECTION FENCING

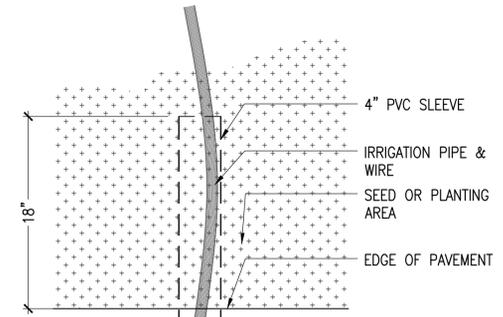
SCALE: 3/16" = 1'-0"



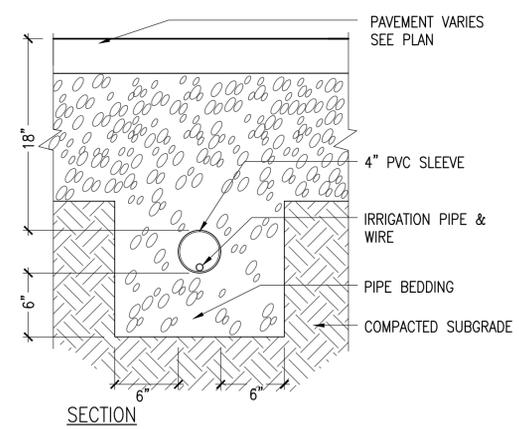
SECTION

7 LOAM AND SEED

SCALE: 1 1/2" = 1'-0"



PLAN



SECTION

8 IRRIGATION SLEEVE DETAIL

SCALE: 1 1/2" = 1'-0"

4' HIGH CONSTRUCTION FENCE STAKED 5' O.C. MAXIMUM WITH PRESSED METAL DRIVE STAKES. HAND EXCAVATE WITHIN THIS ZONE. REMOVAL ONLY UPON APPROVAL OF LANDSCAPE ARCHITECT

NOTE: DO NOT STORE ANY MACHINERY OR MATERIALS WITHIN AREA OF THE FENCE. DO NOT DISCARD CONSTRUCTION MATERIALS OR SLURRY WITHIN FENCE LIMIT. FENCING TO BE REVIEWED BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.

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ISSUED FOR: PLANNING BOARD APPROVAL

ISSUE DATE: JULY 31, 2020

REVISIONS NO.	DESCRIPTION	BY	DATE

DRAWN BY: RB  
APPROVED BY: KZ  
DRAWING FILE: 5030\_SITE.DWG

SCALE: AS NOTED

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

PROJECT: PHILLIPS EXETER ACADEMY  
NEW DORMITORY  
ASSESSOR PARCEL 72, LOT 29

TITLE: LANDSCAPE DETAILS

SHEET NUMBER: L1.05

P5030



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DRAWN BY: \_\_\_\_\_ RB  
APPROVED BY: \_\_\_\_\_ KZ  
DRAWING FILE: \_\_\_\_\_ 5030.SITE.DWG

SCALE:  
AS NOTED

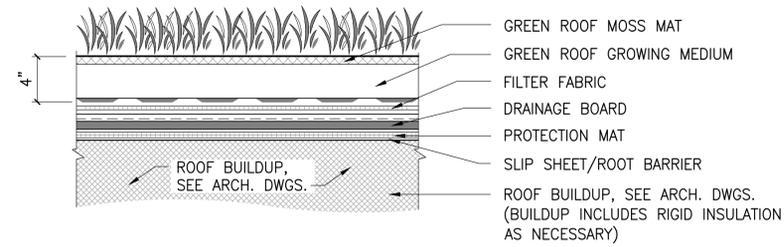
OWNER:  
PHILLIPS EXETER ACADEMY  
20 MAIN STREET  
EXETER, NH 03833

PROJECT:  
PHILLIPS EXETER ACADEMY  
NEW DORMITORY

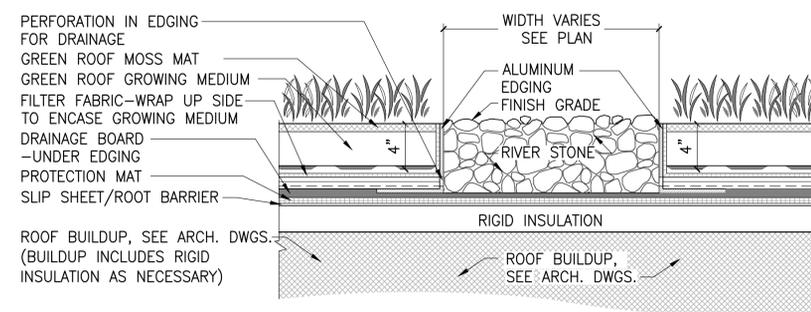
ASSESSOR PARCEL 72, LOT 29

TITLE:  
LANDSCAPE  
DETAILS

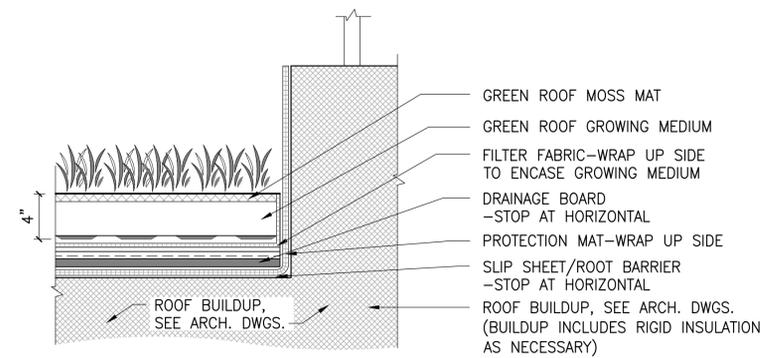
SHEET NUMBER:  
L1.06



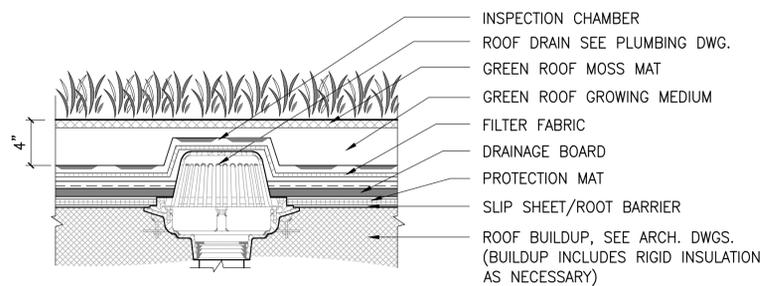
1 GREEN ROOF FLAT - ADD ALT  
SCALE: 1-1/2"=1'-0"



4 RIVERSTONE BAND ON ROOF TOP - ADD ALT  
SCALE: 1-1/2"=1'-0"



2 GREEN ROOF AT BUILDING EDGE - ADD ALT  
SCALE: 1-1/2"=1'-0"



3 GREEN ROOF AT DRAIN - ADD ALT  
SCALE: 1-1/2"=1'-0"

Drawn  
**JRI**  
Checked  
**TKL**

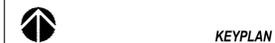
**RFS**  
Engineering  
Real Frost Shumway Engineering, P.C.  
100 Water St. 2nd Floor, 02109  
P: 603.524.4547  
M: 603.524.4547  
M: 603.524.4547  
P: 617.494.1404  
M: 617.494.1404  
P: 207.761.4547  
www.rfsengineering.com  
RFS Project #: 19131.001



**Phillips Exeter Academy**  
20 Main Street  
Exeter, New Hampshire 03833

**New Student  
Dormitory**

Front Street  
Exeter, New Hampshire 03833



KEYPLAN

Number Date Issued For

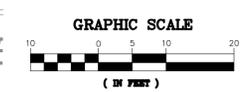
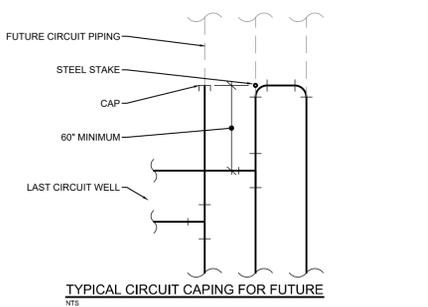
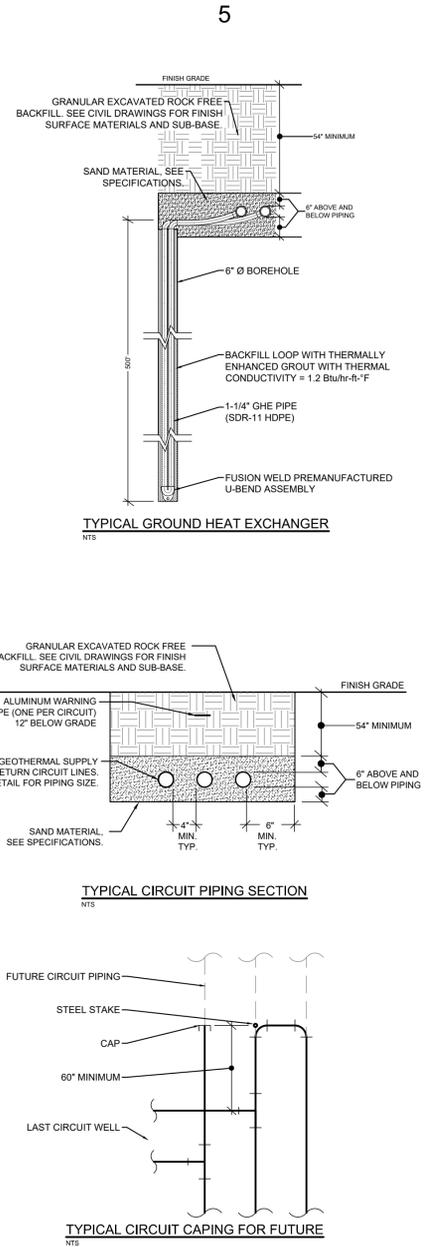
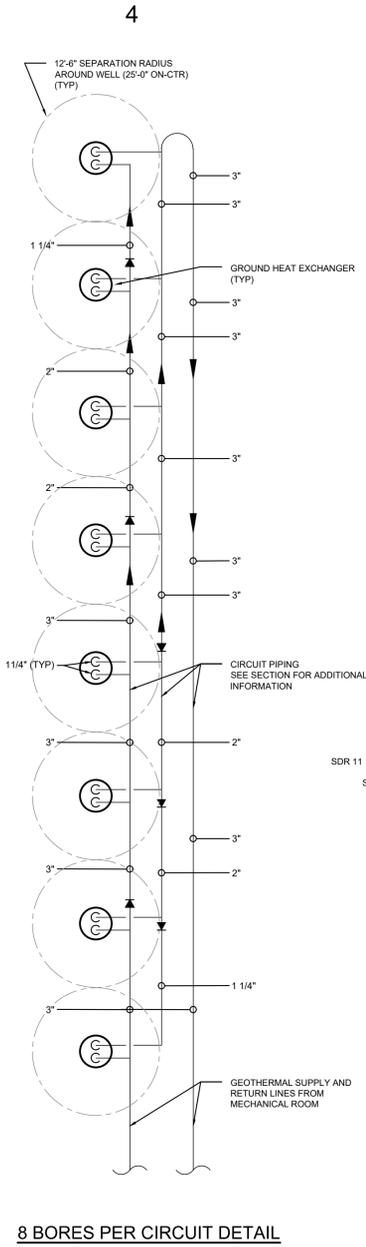
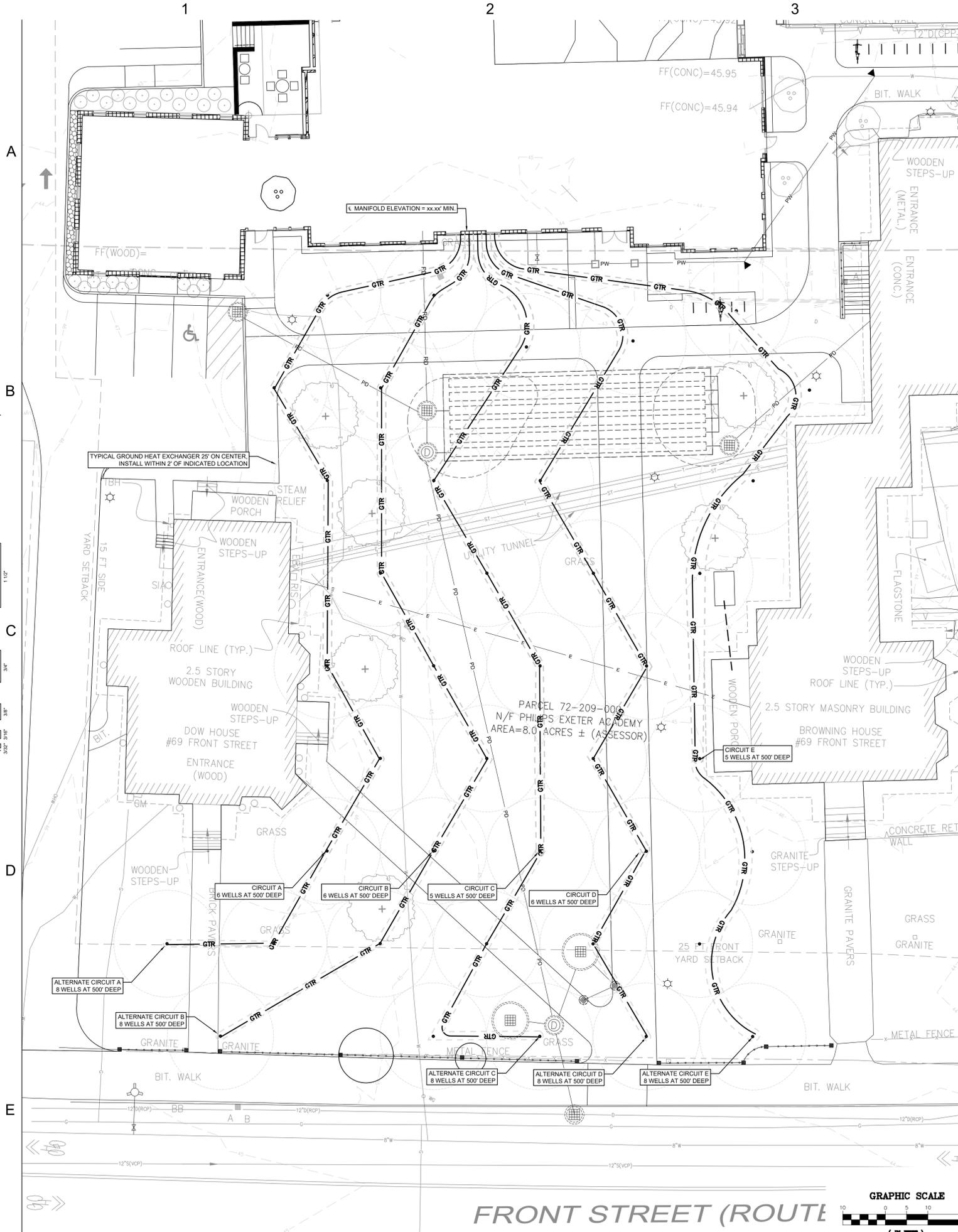
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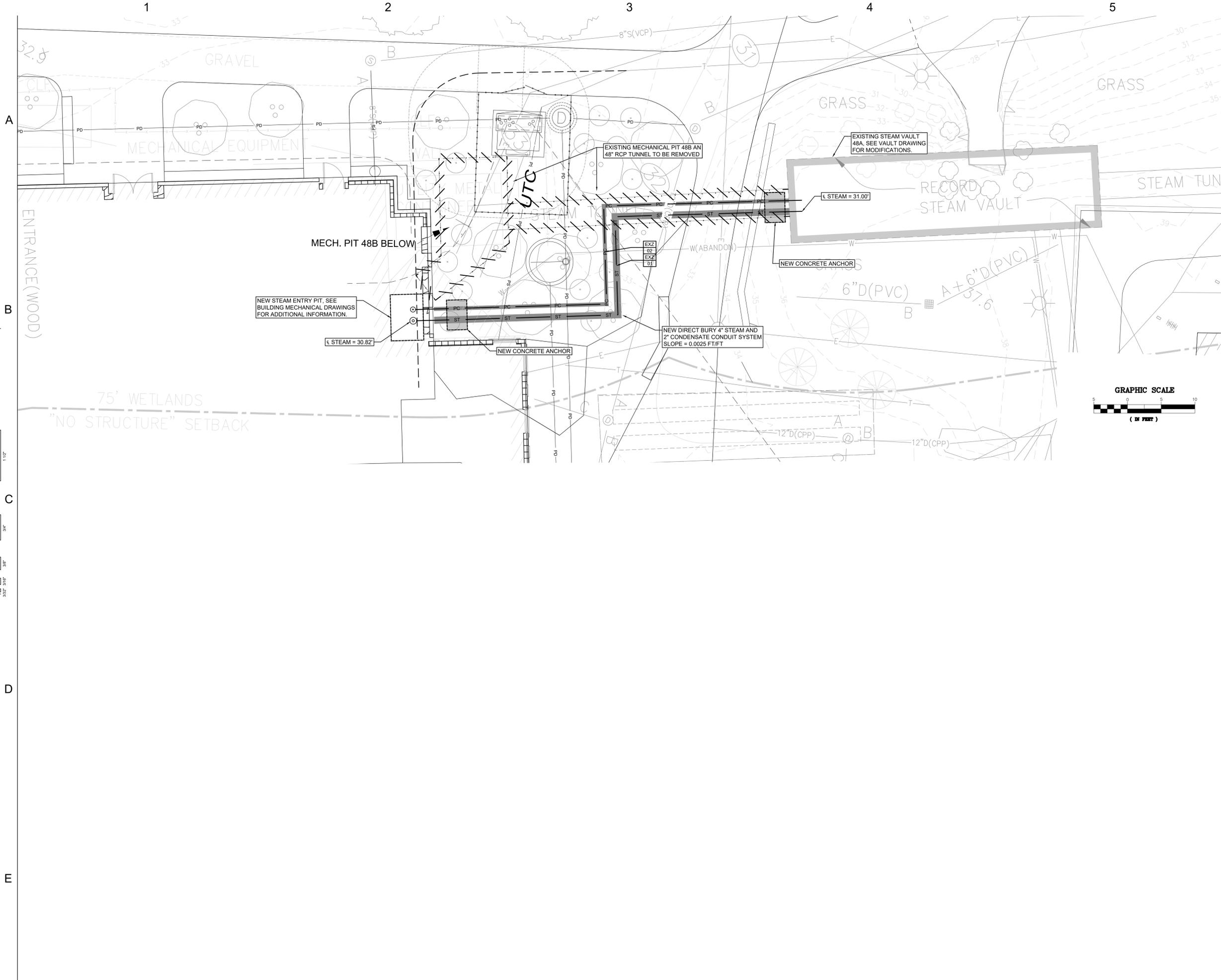
**ISSUED FOR 95% Design  
Development Set  
(NOT FOR  
CONSTRUCTION)**

**PROPOSED  
MECHANICAL SITE PLAN**

Date  
**08/11/2020**  
Scale  
**1" = 20'**  
Prog. Number  
**19198.00**

Drawing Number  
**MS1.01**





# SLAM

The S/L/A/M Collaborative

250 Summer Street  
4th Floor  
Boston, MA 02210-1135  
phone 617 357.1800

www.slamcoll.com

Drawn  
**JRI**  
Checked  
**TKL**

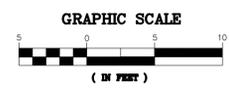
**RFS**  
Engineering  
Rial Frost Shumway Engineering, P.C.  
NH: 71 Water St | Laconia, NH 03246  
P: 603.224.4547  
MA: 50 Milk St | 10th Floor | Boston, MA 02109  
P: 617.494.1404  
ME: 30 Hancock St, Suite 2 | Portland, ME 04101  
www.rfsengineering.com  
RFS Project #: 19131.001



**Phillips Exeter Academy**  
20 Main Street  
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## New Student Dormitory

Front Street  
Exeter, New Hampshire 03833



**KEYPLAN**

Number	Date	Issued For
ISSUED FOR 95% Design Development Set (NOT FOR CONSTRUCTION)		

### STEAM SYSTEM SITE PLAN AND PROFILE

Date: **08/11/2020**  
Scale: **AS NOTED**  
Proj. Number: **19198.00**  
Drawing Number: **MS2.01**

- A. REFER TO DIVISION 02 SECTION "STRUCTURE DEMOLITION" AND/OR "SELECTIVE STRUCTURE DEMOLITION" FOR ADDITIONAL DEMOLITION REQUIREMENTS.
- B. COORDINATE PROPOSED METHODS AND OPERATIONS OF DEMOLITION WITH OWNER'S DESIGNATED REPRESENTATIVE PRIOR TO START OF DEMOLITION WORK. INCLUDE IN SCHEDULE COORDINATION FOR SHUT-OFF, CAPPING AND CONTINUATION OF UTILITY SERVICES AS REQUIRED.
- C. DEMOLITION WORK SHALL BE PHASED. COORDINATE METHODS AND OPERATIONS OF DEMOLITION WITH ALL BARN RELOCATION SPECIALIST WORK. REFER TO DIVISION 01 SECTION "SUMMARY" FOR DESCRIPTION OF ADDITIONAL PHASING REQUIREMENTS.
- D. INTERRUPTIONS IN DAILY OPERATIONS MUST BE COORDINATED IN ADVANCE WITH OWNER'S DESIGNATED REPRESENTATIVE. THIS SHALL INCLUDE SERVICE INTERRUPTIONS AND CONNECTIONS, RELOCATION OF OCCUPANTS, REMOVAL OF EQUIPMENT, SHIFTS IN LOCATION OF WORK, MECHANICAL AND ELECTRICAL DISRUPTION, ETC. ANY OF THE ABOVE INTERRUPTIONS REQUIRE A MINIMUM OF THREE FULL WORKING DAYS NOTICE TO THE OWNER. FRIDAY P.M. NOTICE FOR MONDAY A.M. INTERRUPTIONS WILL NOT BE ACCEPTABLE.
- E. CONDUCT DEMOLITION AND DEBRIS REMOVAL IN A SAFE MANNER TO MINIMIZE INTERFERENCE WITH CORRIDORS, HALLS, STAIRS, AND OTHER ADJACENT FACILITIES AND TO AVOID DAMAGE TO SAME. DO NOT CLOSE OR OBSTRUCT TRAFFIC WAYS WITHOUT PERMISSION OF THE OWNER.
- F. ERECT TEMPORARY ENCLOSURE(S) AROUND ALL EXTERIOR OPENINGS CREATED IN THE BUILDING. THE BUILDING SHALL BE LEFT WEATHER-TIGHT AND SECURE AT THE END OF EACH WORKDAY.
- G. PROVIDE TEMPORARY DUST ENCLOSURES AROUND ALL AREAS OF WORK. PREVENT DUST, DEBRIS, ETC. FROM REACHING ADJACENT AREAS OF BUILDING.
- H. REFER TO MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
- I. ALL SALVAGEABLE MATERIAL AND EQUIPMENT SHOWN OR SCHEDULED TO BE REMAIN AS THE PROPERTY OF THE OWNER OR NOT DISCLAIMED BY THE OWNER PRIOR TO THE BEGINNING OF DEMOLITION WORK SHALL BE CAREFULLY REMOVED AND STORED WHERE DIRECTED BY THE OWNER. THE CONTRACTOR SHALL VERIFY WITH THE OWNER ALL ITEMS TO BE SALVAGED.
- J. ALL SALVAGEABLE MATERIAL AND EQUIPMENT SCHEDULED TO BE REMOVED AND NOT REUSED AND DISCLAIMED BY THE OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE TRANSPORTED FROM THE SITE AS THEY ARE REMOVED. STORAGE OR SALE OF REMOVED ITEMS ON SITE WILL NOT BE PERMITTED.
- K. VERIFY SAVING AND RE-USE OF ALL MISCELLANEOUS ITEMS AND EQUIPMENT NOT SPECIFICALLY LISTED ON THE DRAWINGS OR IN THE SPECIFICATIONS WITH THE OWNER PRIOR TO DEMOLITION.
- L. UNLESS OTHERWISE INDICATED ON THE DRAWINGS OR THE FINISH SCHEDULE, ALL PORTIONS OF THE EXISTING BUILDING (INCLUDING FINISHES) DISTURBED BY DEMOLITION OF EXISTING CONSTRUCTION AND/OR INSTALLATION OF NEW CONSTRUCTION, INCLUDING MECHANICAL AND ELECTRICAL WORK, SHALL BE REPAIRED AS REQUIRED AND RETURNED TO ITS ORIGINAL UNDISTURBED CONDITION OR BETTER.
- M. REMOVE ALL EXISTING WALL CONSTRUCTION, MILLWORK, EQUIPMENT, ETC. SHOWN DASHED ON THIS DRAWING IN ITS ENTIRETY TO THE EXTENT SHOWN ON THE DRAWINGS. PARTITIONS SHALL BE REMOVED FROM FLOOR TO UNDERSIDE OF STRUCTURE ABOVE UNLESS OTHERWISE NOTED.
- N. AT EXISTING INTERSECTING WALL WHERE ONE WALL HAS BEEN DEMOLISHED, PREPARE NEWLY EXPOSED AREA OF WALL TO MATCH EXISTING ADJACENT SURFACES.
- O. EXISTING WALLS INDICATED TO REMAIN ARE FOR PURPOSES OF ECONOMY ONLY. CONTRACTOR MAY ASSUME, IF MORE EXPEDIENT FOR CONSTRUCTION OR LESS EXPENSIVE FOR THE OWNER, THAT EXISTING CONSTRUCTION MAY BE REMOVED AND REPLACED WITH NEW CONSTRUCTION ACCEPTABLE TO THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
- P. SUBMIT ALL PROPOSED SHORING OF EXISTING STRUCTURE TO STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL.

Drawn	TJA
Checked	GSJ



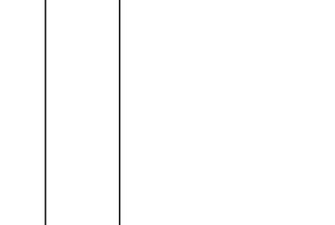
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## New Student Dormitory

Front Street  
Exeter, NH 03833

### KEYPLAN

Number	Date	Issued For
09/25/2020		Planning Board



## DEMOLITION PLANS AND ELEVATIONS

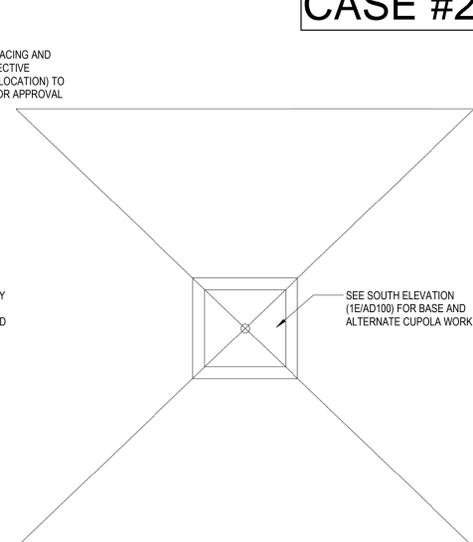
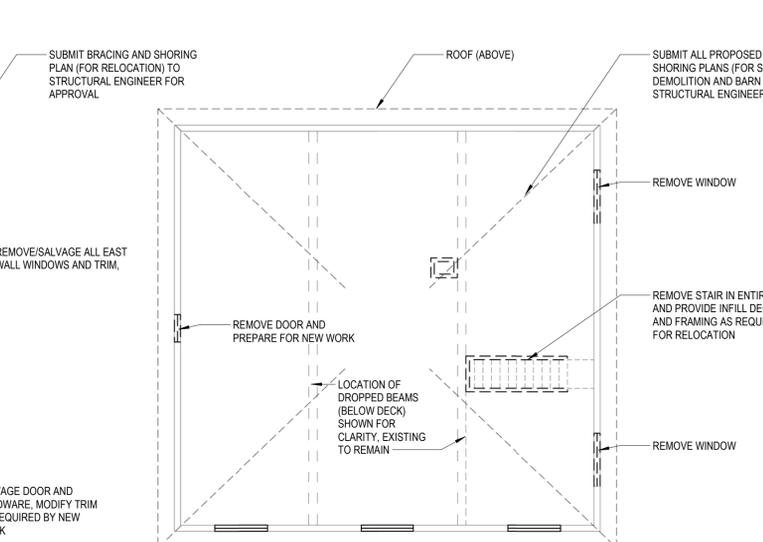
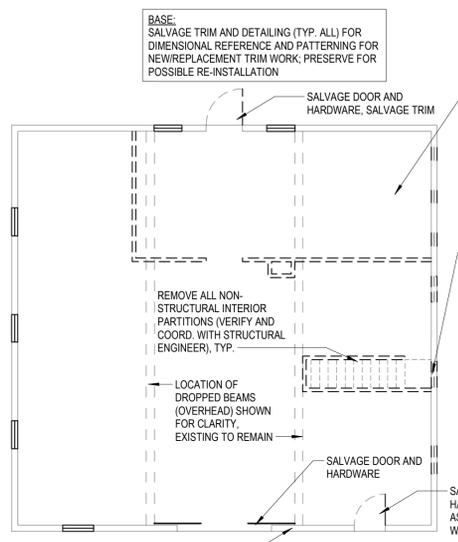
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Scale	As indicated		
Proj. Number	19198.00		

1

2

3

4

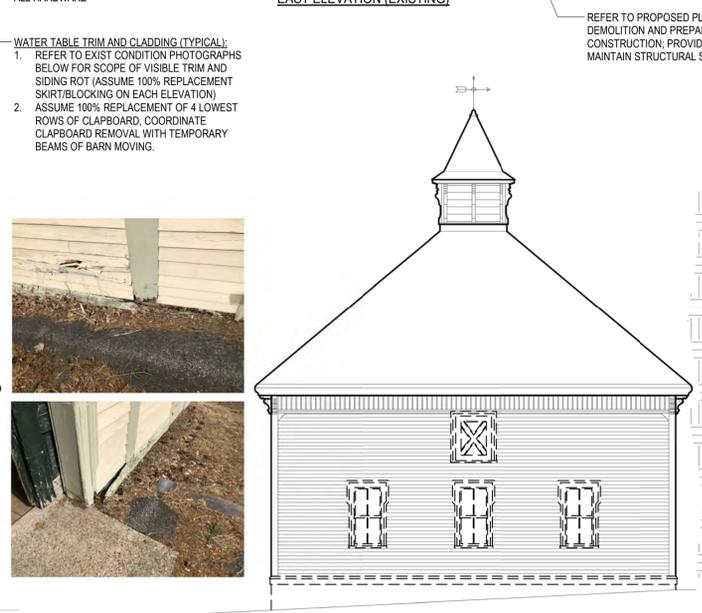
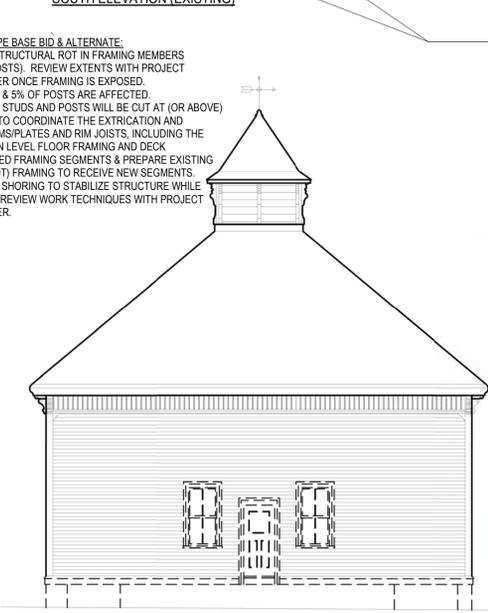
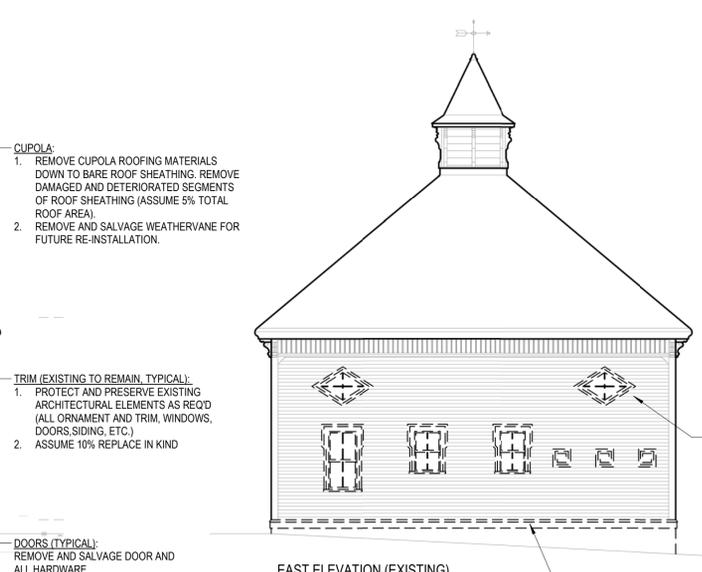
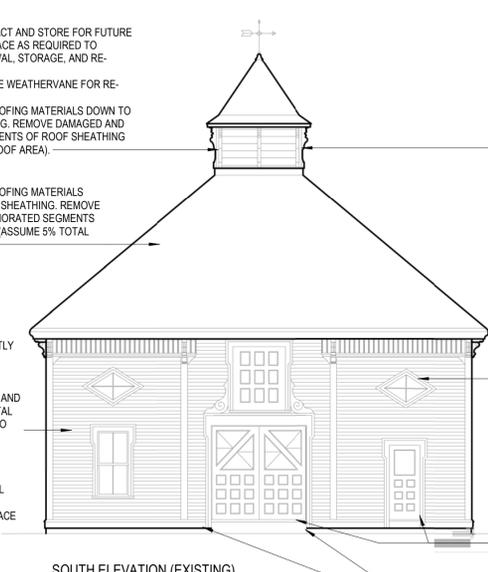


FIRST FLOOR SCHEMATIC DEMOLITION PLAN

SECOND FLOOR SCHEMATIC DEMOLITION PLAN

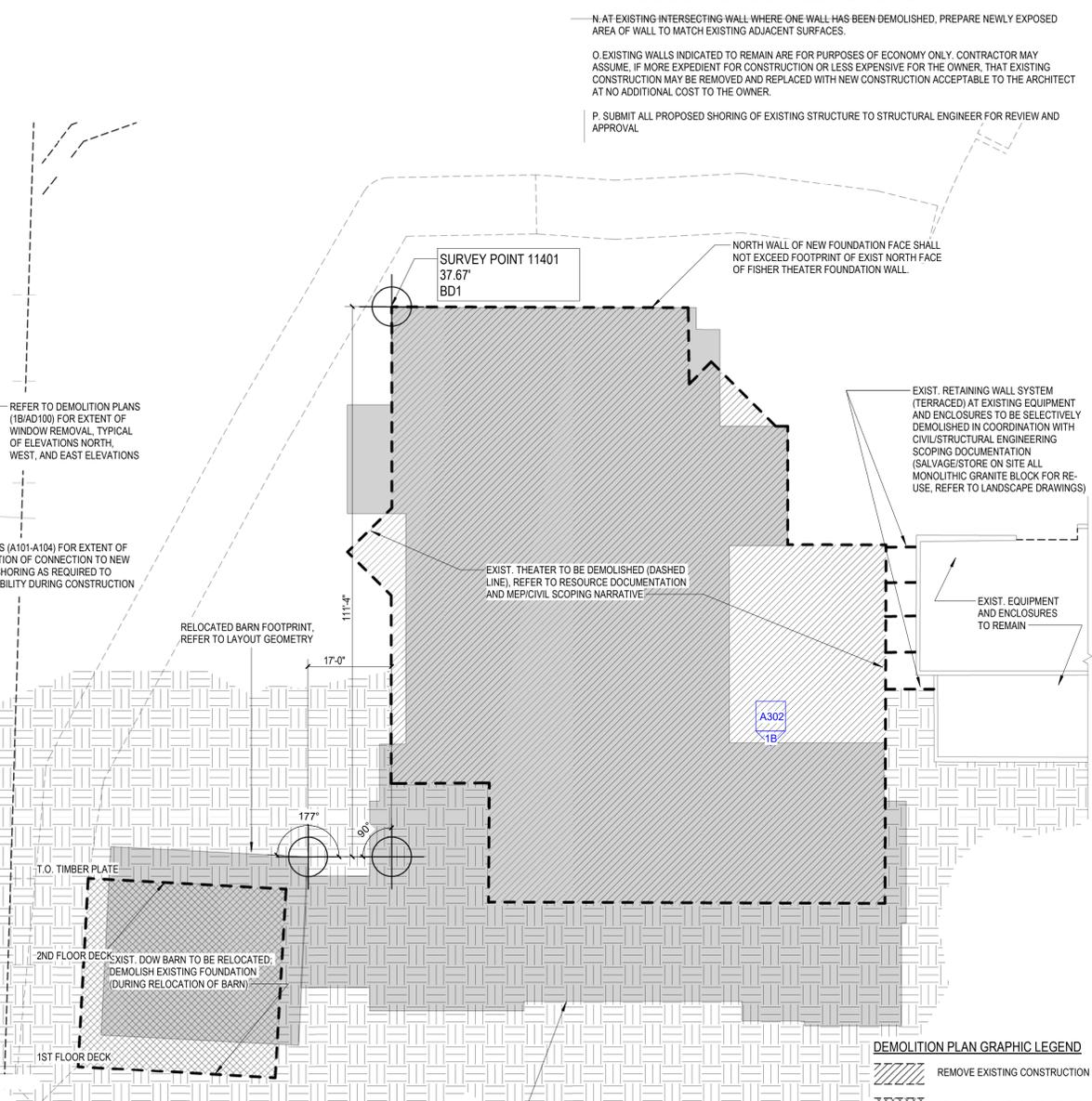
ROOF PLAN

### 1B Dow Barn - Schematic Demo Plans (NOT FOR CONSTRUCTION)



NORTH ELEVATION (EXISTING)

WEST ELEVATION (EXISTING)



4E Schematic Building Relocation and Demolition Plan (NOT FOR CONSTRUCTION)

DEMOLITION PLAN GRAPHIC LEGEND

[Hatched Pattern]	REMOVE EXISTING CONSTRUCTION
[Cross-hatched Pattern]	RELOCATE EXISTING STRUCTURE
[Solid Grey]	NEW CONSTRUCTION FOOTPRINT

A

B

C

D



### 1D Dow Barn - Existing Elevations

1/8" = 1'-0"

Drawn	<b>Author</b>
Checked	<b>Checker</b>



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### PROGRAM PLAN - LOWER FLOOR

Date	09/25/2020	Drawing Number	<b>PR-100</b>
Scale	1/8" = 1'-0"	Proj. Number	19198.00



1 Ground Floor Plan Schematic Presentation  
1/8" = 1'-0"

A

B

C

D



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Drawn	<b>Author</b>
Checked	<b>Checker</b>



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### PROGRAM PLAN - MAIN FLOOR

Date	09/25/2020	Drawing Number	<b>PR-101</b>
Scale	1/8" = 1'-0"	Proj. Number	19198.00



PROGRAM

CIRCULATION
COMMUNITY
DOUBLE
FACULTY
MECH
SINGLE
TOILET
UTILITY

A  
B  
C  
D

1 First Floor Plan Schematic Presentation  
1/8" = 1'-0"

BIM 360://Phillips Exeter New Dormitory - 19198.00A\_19198\_PEA\_Dorm\_R20\_DD.rvt 9/24/2020 5:22:24 PM



Drawn	<b>Author</b>
Checked	<b>Checker</b>



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**PROGRAM PLAN - THIRD FLOOR**

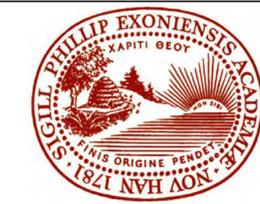
Date	09/25/2020	Drawing Number	<b>PR-103</b>
Scale	1/8" = 1'-0"	Proj. Number	19198.00



1 Third Floor Plan Schematic Presentation  
1/8" = 1'-0"

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Drawn	<b>Author</b>
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**EAST AND NORTH  
ELEVATIONS**

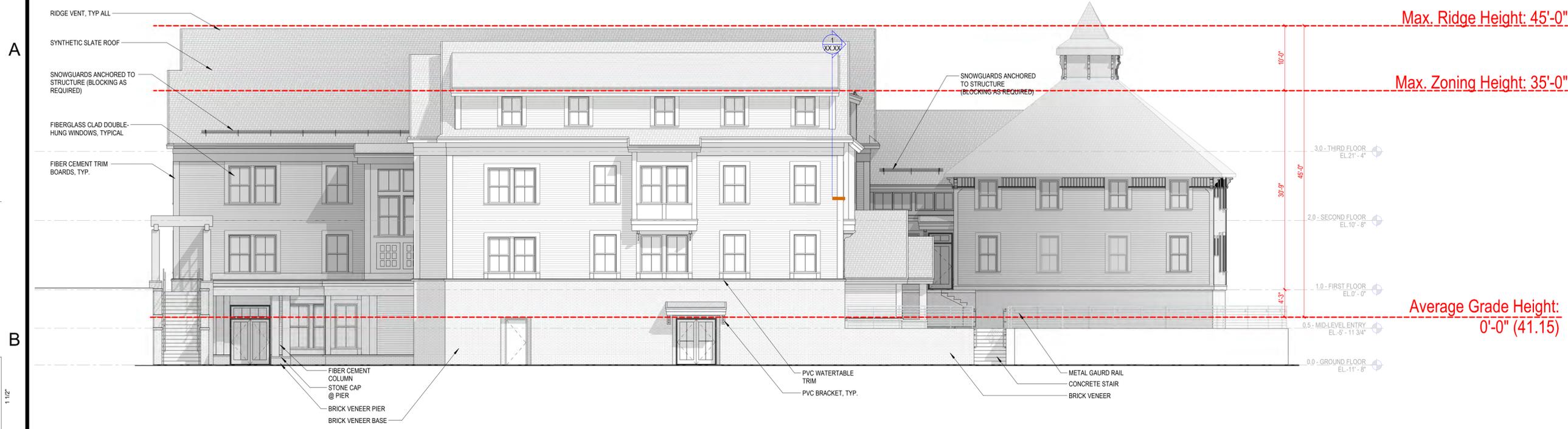
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1

2

3

4



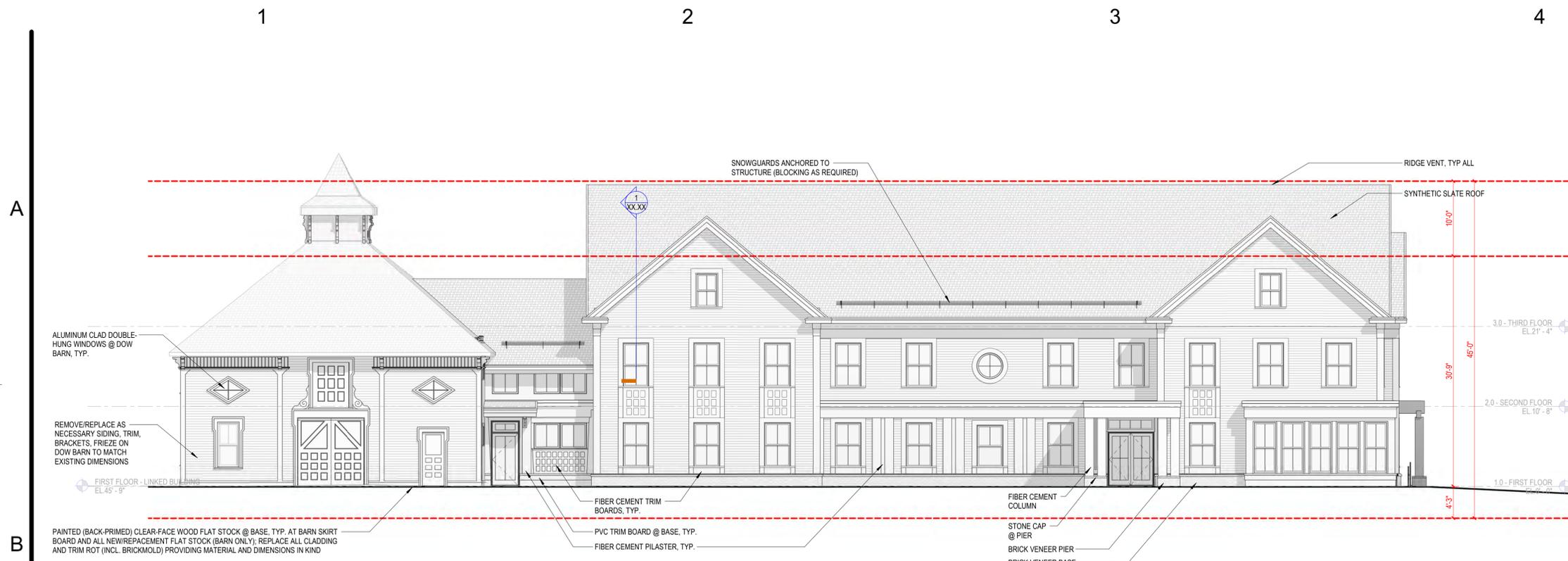
**N NORTH ELEVATION (P&Z)**  
1/8" = 1'-0"



**E EAST ELEVATION (P&Z)**  
1/8" = 1'-0"

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Drawn	<b>Author</b>
Checked	<b>Checker</b>



**S SOUTH ELEVATION (P&Z)**  
1/8" = 1'-0"

5  
1 1/2"  
1"  
3/4"  
1/2"  
3/8"  
1/4"  
3/16"  
1/16"



**W WEST ELEVATION (P&Z)**  
1/8" = 1'-0"



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**KEYPLAN**

Number	Date	Issued For
	09/25/2020	Planning Board

**FRONT STREET ELEVATION (SOUTH) AND WEST ELEVATION**

Date	09/25/2020	Drawing Number	<b>PR-202</b>
Scale	1/8" = 1'-0"	Proj. Number	19198.00