Town of Brunswick, Maine
STAFF REVIEW COMMITTEE

- AGENDA -
BRUNSWICK TOWN HALL
85 UNION STREET
ROOM 206
WEDNESDAY, OCTOBER 19, 2016, 10:00 A.M.

1. **Case # 16-047, Change of Use:** The Committee will review and provide a recommendation to the Planning Board on a combination **Sketch/Final Plan Major Development Review** application submitted by authorized representatives from Sitelines, P.A. for Allied Composite Center LLC, to change the use of a 28,000 square foot building to Service Business, Class 2. The proposed development is located at Lot 4 of the Brunswick Industrial Park Expansion at 8 Business Parkway in the **I2 (Church Road Industrial Park) Zoning District (Map 17, Lot 68).**

2. **Case # 16-050, Environmental Studies Academic Center:** The Committee will review and provide a recommendation to the Planning Board on a **Sketch Plan Major Development Review** application submitted by authorized representative Don Borkowski for Bowdoin College, to construct a new academic building with various site modifications including new landscaping, a bio-swale, and pedestrian walkways. The proposed development is located at 38 Harpswell Road in the **CU3 (College Street) Zoning District (Map U-09, Lot 47).**

3. **Adjourn**

This agenda is mailed to owners of property within 200 feet of proposed development sites. In cases where Committee action is pending this agenda serves as notice of same. In cases where the Committee's role is to advise the Planning Board, this agenda is mailed as a courtesy along with notice of the Planning Board meeting. The Staff Review Committee meeting is open to the public. All are invited to attend and participate. For further information call Anna Breinich at the Brunswick Department of Planning and Development (725-6660).

October 14, 2016

1111-7

Jared Wolston, Town Planner
Town of Brunswick
85 Union Street
Brunswick, Maine 04011

Re: Major Development Review & Change of Use Application
ALLIED COMPOSITE CENTER, LLC
8 Business Parkway, Brunswick
Map 17, Lot 68

Dear Jared,

Enclosed please find copies of the Major Development Review Final Plan Application Form, Site Plan, and supporting documentation for proposed Change of Use for 8 Business Parkway, also known as Lot 4 of the Brunswick Industrial Park Expansion. Allied Composite Center, LLC is proposed to change the approved use for the exiting 28,000 sq. ft. facility from Industry, Class 2 to Service Business, Class 2. Please note that this change of use in intended for the building and not a specific tenant.

The parcel is located at 8 Business Parkway and is shown as Map 17, Lot 68 of the Town of Brunswick Tax Maps. The site is located within the I2 (Church Road Industrial Park) Zone and the Site Plan was originally approved in October 2004, with an expansion of the office area approved in the fall of 2007. The facility consists of a 28,000 sq. ft. commercial building, paved loading areas and a paved parking lot with 28 spaces (including 2 handicap accessible spaces). In accordance to MDEP Site location permit # L-6773-39-L-A a 50' buffer to Greenwood Road and a 100' vegetated buffer to the pond have been maintained.

To facilitate your review of our proposal, the following issues are summarized in accordance with *CHAPTER 5: DEVELOPMENT REVIEW PLAN STANDARDS* of the Ordinance.

501 PRESERVATION OF NATURAL FEATURES AND NET SITE AREA:
A 100-foot setback is being maintained from the upland edge of the wetlands associated with the stream and man-made ponds near the southeasterly boundary of the lot. Additionally, a 50' buffer to Greenwood Road is provided and white pine plantings were added to enhance screening.

The area of the parcel is 2.95 acres, with 0.43 acres of wetlands and pond, resulting in a Net Site Area of 2.52 acres.

502 FLOOD HAZARD AREA:
The property is not located within a FEMA Special Flood Hazard Area.

503 STEEP SLOPES AND ENBANKMENTS:
There are no steep slopes greater than 25% located on the property.

504 STORM WATER MANAGEMENT:
As part of the MDEP Site Location of Development Application prepared by Christopher Belanger, PE previously of Sitelines, P.A., an impervious area of 1.18 acres was accommodated in the stormwater quality and quality treatments and was approved for the parcel. The design proposes 1.00 acres of impervious area after the completion of Phase 3 build-out.

505 GROUNDWATER:
The project served by Public Sewer and Water facilities. No adverse impact to groundwater is expected from this development.

506 EROSION AND SEDIMENTATION:
The Erosion Control Plan & Notes were followed during construction and the completed site is vegetated and stable.

507 SEWAGE DISPOSAL:
The facility is currently connected to the 8" sewer main in Business Parkway. No additional discharge of wastewater above the use of the previous tenant is anticipated from the project.

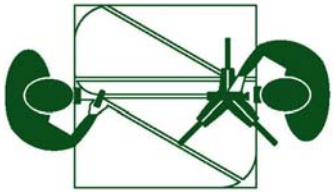
508 WATER SYSTEM:
The facility is currently connected to the 8" water main in Business Parkway via a 2" domestic service line and a 6" fire service line. No additional water demand above the use of the previous tenants is anticipated from the project.

509 COMMUNITY FACILITIES IMPACT ANALYSIS:
The project is appropriately located within an industrial park and the proposed use is an allowed use within the I2 Zone. Schools and recreational services would have no impact from this project.

510 DEVELOPMENT IMPACT FEES:
The facility was previously assessed impact fees based on 13 tons per year of solid waste ($3,361.28) and 300 GPD for a sewage entrance charge ($2,019.43). No additional impacts above those of the previous tenants is anticipated from the project.

511 DEVELOPMENT OF NEW STREETS:
There are no new streets proposed as part of this project.

512 OFF STREET PARKING:
The facility provides a total of 28 parking spaces, including 2 handicap accessible spaces. Stall dimensions and traffic lanes meet acceptable design standards.



513 CURB CUTS:
The facility currently utilizes one curb cut on the Business Parkway. No new curb cuts are proposed.

514 OFF STREET LOADING:
The facility provides for delivery and loading at two locations on the existing building and the central entrance is designed to allow tractor trailer vehicles to back into the building via the central overhead doors.

515 APPEARANCE ASSESSMENT:
There is no new exterior construction proposed as part of this project; therefore this section is not applicable.

516 BUILDING CONFIGURATION:
There is no new exterior construction proposed as part of this project; therefore this section is not applicable.

517 PRESERVATION OF HISTORIC RESOURCES:
There is no new exterior construction proposed as part of this project; therefore this section is not applicable.

518 ACCESS FOR PERSONS WITH DISABILITIES:
The facility accommodates the requirements of the ADA in regard to parking and access.

519 RECREATIONAL REQUIREMENTS FOR RESIDENTIAL DEVELOPMENTS:
This is not a residential project; therefore this section is not applicable.

520 FISCAL CAPACITY:
The proposed internal improvements to the facility, estimated at approximately $250,000, will be completed by Allied Composite Center, LLC and Priority Real Estate Group, LLC utilizing operating capital. Should a lease be signed with a tenant this fall, work would begin immediately and continue throughout the fall and winter.

521 PERFORMANCE GUARANTEE:
There is no new exterior construction proposed as part of this project; therefore a performance guarantee is not required.

522 HOME OWNERS/PROPERTY OWNERS ASSOCIATION:
There is no homeowner or property owner association.

523 PROTECTED CONSERVATION LAND:
This is not a residential project; therefore this section is not applicable.

524 NOISE AND DUST:
There is no new exterior construction proposed as part of this project. Any proposed uses will be internal to the building. Noise and traffic associated with the project will be consistent with other industrial park uses.

We look forward to meeting with you and the Planning Board at their October 25, 2016 meeting to review the project and gain their approval. Should you have any questions, please call.

Very truly yours,

Kevin P. Clark

Kevin P. Clark, PLS

Enclosures

cc: Jim Howard

MAJOR DEVELOPMENT REVIEW
FINAL PLAN APPLICATION

1. Project Name: 8 Business Parkway

2. Project Applicant
   Name: Allied Composite Center LLC
   Address: 2 Main Street
   Topsham, ME 04086
   Phone Number: _____

3. Authorized Representative
   Name: Sitelines, PA. Attn: Kevin Clark, PLS
   Address: 8 Cumberland Street
   Brunswick, ME 04011
   Phone Number: 207-725-1200 xt. 18

4. List of Design Consultants. Indicate the registration number, address and phone number Of any engineer, surveyor, architect, landscape architect or planner used:

   1. Surveyor: Kevin P. Clark, PLS #2245, Sitelines, P.A., 207-725-1200 xt. 14
   2. Engineer: Curtis Y. Neufeld, P.E. #9779, Sitelines, P.A., 207-725-1200 xt. 18
   3. _____

5. Physical location of property being affected: 8 Business Parkway

6. Lot Size: 2.95 Acres

7. Zoning District: I-2

8. Indicate the interest of the applicant in the property and abutting property. For example, is the applicant the owner of the property and abutting property? If not, who owns the property subject to this application? Change of Use from Industry, Class 2 to Service Business, Class 2
   Please refer to Cover Letter for more details.

9. Assessor's Tax Map 17 Lot Number 68 of subject property.

10. Brief Description of proposed: Refer to Cover Letter

11. Describe Specific Physical Improvements to be Done: Refer to Cover Letter

Owner Signature: _____

Applicant Signature (*if different*): _____

Required Attachments (by Applicant):
- Final Plan Check List
- Final Plan Requirements for Open Space Developments (if applicable)
- Request for Waivers (if applicable)
- Required Copies of Final Plan

Required Attachment (by Planning and Development Department):
- Listing of all owners of property within 200-foot radius of property under review.

FINAL PLAN REQUIREMENTS

Key: "O" = omit; "S"=submit; "NA"=not applicable; "W" = waiver P=pending

Item	O	S	NA	W	P	**Comments**
Name of Development		X				
Scale, date, north point, area, number of lots (if subdivision)		X				
Boundaries of all lots and tracts with accurate distances and bearings, locations of all permanent monuments property identified as existing or proposed.		X				
Certification by a professional land surveyor that the land has been surveyed and the boundaries established in accordance with the State of Maine Board of Licensure for Professional Surveyors standards for Category 1 (Standard Boundary Survey), conditions 1, 2, or 3.		X				
Existing zoning district and overlay designation.		X				
Names of engineer and surveyor; and professional registration numbers of those who prepared the plan.		X				
Names of current owner(s) of subject parcel and abutting parcels.		X				
Name, location, width of paving and rights-of-way, profile, cross-section dimensions, curve radii of existing and proposed streets; profiles of center-lines of proposed streets, at a horizontal scale of 1" equals 50' and vertical scale of 1 inch equals 5 feet, with all elevations referred to in U.S.G.S. datum.			X			
A general road plan noting circulation, direction, traffic control devices, street lighting and type of lighting proposed.			X			No new lighting is proposed
Existing and proposed easements associated with the development.		X				
Kind, location, profile and cross-section of all proposed drainage facilities, both within the development and outside of it, and a storm-water management plan which includes the submission requirements listed in the storm-water management checklist available in the Planning Department.						
Location of features, natural and artificial, such as water bodies, wetlands, streams, vegetation, railroads, ditches and buildings.		X				

Location of existing and proposed utilities; water, sewer, electrical lines, and profiles of underground facilities. Tentative locations of any private wells.		X				
Existing and proposed location, size, profile and cross section of sanitary sewers; description, plan and location of other means of sewage disposal with evidence of soil suitability.			X			
Topography with counter intervals of not more than 2 feet.		X				
A Class A (high intensity) Soil Survey prepared in accordance with the standards of the Maine Association of Professional Soil Scientists.			X			No new construction proposed
Location of all existing trees over 10 inches in diameter, locations of tree stands, and a plan showing all trees to removed as a result of the development proposal.			X			No new clearing proposed
Lighting plan showing details of all proposed lighting and the location of that lighting in relation to the site.			X			No new lighting proposed
Existing locations and proposed locations, widths and profiles of sidewalks.		X				
Location map.		X				
Approximate locations and dimensions of proposed parking areas.			X			No new parking proposed
Proposed ownership and approximate location and dimensions of open spaces for conservation and recreation.			X			
Grading, erosion control, and landscaping plan; proposed finished grades, slopes, swells, and ground cover or other means of stabilization.			X			
Reference to special conditions stipulated by the Planning Board, with conditions either set forth in full or on the plan or identified as specific documents filed with the Board.			X			
A wetlands map drawn by a specialist delineating wetland boundaries in accordance with the methods prescribed by the US Army Corps of Engineers.			X			
Dedicated public open specs, areas protected by conservation easements, and existing and proposed open spaces or recreation areas.		X				

For Open Space Development, a note indicating the total permitted lot count of the entire land tract based upon the destiny standards in this Ordinance, the number of lots created by the Plan, and the numebr of lots permitted to be subdivided in the future, as well as a table showing setback requirements and impervious surface coverage limits for each lot.			X			
Building envelops showing acceptable locations for principal and accessory structures.			X			

FINAL PLAN/SUPPORTING DOCCUMENTS

Key: "O" = omit; "S"=submit; "NA"=not applicable; "W" = waiver P=pending

Item	O	S	NA	W	P	**Comments**
Documentation of Ownership or contract.		X				
Drafts of legal documents appropriate to the application, including: deeds, easements, conservation easements, deed restrictions or covenants, home/property owners association declarations and by-laws, and such other agreements or documents as are necessary to show the manner in which conservation land will be owned, maintained, and protected.			X			
Draft performance guarantee or conditional agreement.			X			
Disclosure of any required permits from the Department of Environmental Protection, Marine Resources, US Army Corps of Engineers, Department of Inland Fisheries and Wildlife, or other agencies, as applicable; or, if a permit has already been granted, a copy of that permit.		X				
Any additional studies required by the Planning Baord, which are deemed necessary in accordance with this Ordiancne.			X			None Anticipated
Storm water management program for the propsed project prepared by a professional engineer.			X			
A storm water management checklist prepared by the Cumebrland County Soil and Water Conservation District made availabel at the Brunswick Department of Planning and Development.	X					

An erosion and sedimentation control checklist prepared by the Cumberland County Soil and Water Conservation District.	X					
A statement from the Brunswick-Topsham Water District of conditions under which water will be provided.					X	
A statement from the Brunswick-Topsham Water District of its review and comments on the proposed use if the project involves development within the Aquifer Protection Zone.			X			
A Statement from the Fire Chief recommending the number, size, and location of hydrants, available pressure levels, road layout and street and project name, and any other fire protection measures to be taken.			X			No new construction proposed
A statement from the Superintendent of the Brunswick Sewer District of the conditions under wich the Sewer Disticit wil provide sewerage disposal service and approval of the santiary sewers proposed within the development.					X	
Where a septic system is to be used, evidence of soil suitablity.			X			
All applicable materials necessary for the reviewing entity to review the propsoal in accordance with the Criteria of Section 411.		X				
A plan of all buildings with new construction or expansion of an existing facility, including type, size, and footprint, floor layout, setback, elevation of first floor slab, storage, and loading areas.			X			
An elevation view of all sides of each building proposed indicating height, color, bulk, surface treatment, and signage.			X			No New Buildings Proposed
A circulation plan describing all pedestrian and vehicle traffic flow on surrounding road systems.			X			
The size and proposed location of water supply and sewage disposal systems.			X			
A site landscaping plan indicating grade change, vegetation to be preserved, new plantings used to stabilize areas of cut and fill, screening, the size, location and purpose and type of vegetation.			X			

October 3, 2016

1111.01

Mr. James Howard
Allied Composite Center LLC
2 Main Street
Topsham, ME 04086

Re: Designation of Agent Authorization
Allied Composite Center LLC
8 Business Parkway, Brunswick, Maine

Dear Jim:

As required by various approval agencies, please indicate by signing below that Sitelines, PA is authorized to act as agent for Allied Composite Center LLC, for the specific purpose of preparation and submission of local and state permitting applications on your behalf for the proposed Change of Use Application for the existing 28,000 sq.ft. facility located at 8 biusiness Parkway in Brunswick, Maine.

Sincerely,

Kevin P. Clark

Kevin P. Clark, PLS
President

The undersigned hereby gives Sitelines, PA the authority to act as agent for Allied Composite Center LLC for the specific purpose of preparation and submission of local and state permitting applications for the project specifically identified above.

10-2-16

James Howard, Allied Composite Center LLC — Date

Corporate Name Search

Information Summary

Subscriber activity report

This record contains information from the CEC database and is accurate as of: Tue Oct 04 2016 10:41:27. Please print or save for your records.

Legal Name	Charter Number	Filing Type	Status
ALLIED COMPOSITE CENTER, LLC	20070883DC	LIMITED LIABILITY COMPANY (DOMESTIC)	GOOD STANDING

Filing Date	Expiration Date	Jurisdiction
10/02/2006	N/A	MAINE

Other Names **(A=Assumed ; F=Former)**

NONE

Clerk/Registered Agent

JOHN MONCURE
9 BOWDOIN MILL ISLAND

TOPSHAM, ME 04086

Back to previous screen | New Search

Click on a link to obtain additional information.

List of Filings	View list of filings	
Obtain additional information:		
Additional Addresses	Plain Copy	Certified copy
Certificate of Existence (more info)	Short Form without amendments ($30.00)	Long Form with amendments ($30.00)

QUITCLAIM DEED

BRUNSWICK ECONOMIC DEVELOPMENT CORPORATION, a nonprofit corporation organized and existing under the laws of the State of Maine with a mailing address of 28 Federal Street, Brunswick ME 04011, for consideration paid, the receipt of which is hereby acknowledged, does hereby remise, release, bargain, sell, convey and further quitclaim unto **ALLIED COMPOSITE CENTER, LLC**, a limited liability company existing under the laws of the State of Maine and located in Brunswick, Cumberland County, Maine, with a mailing address of Border Trust Business Center, 2 Main Street, Brunswick ME 04011, the land in Brunswick, Cumberland County, Maine, described as follows:

MAINE REAL ESTATE TAX PAID

A certain lot or parcel of land with any buildings and improvements located therein situated on the southerly side of Business Parkway in the Town of Brunswick, County of Cumberland and State of Maine and being Lot 4 on a plan entitled "Subdivision Plan Industrial Park Expansion, Brunswick Industrial Park (Phase IV), Record Owner: Town of Brunswick, Business Parkway, Brunswick, Maine" prepared by Sitelines P.A. dated March 28, 2003, last revised on June 23, 2003, approved by the Town of Brunswick Planning Board on June 24, 2003 and recorded in the Cumberland County Registry of Deeds on September 9, 2003 in Plan Book 203, Page 520 as modified by a plan entitled "Subdivision Plan – Amendment, Industrial Park Expansion, Brunswick Industrial Park (Phase IV), Record Owner: Town of Brunswick, Business Parkway, Brunswick, Maine" prepared by Sitelines P.A. dated March 28, 2003, last revised on August 29, 2003, approved by the Town of Brunswick Planning Board on September 3, 2003 and recorded in the Cumberland County Registry of Deeds on September 22, 2003 in Plan Book 203, Page 530.

This conveyance is subject to:

1. The Declaration of Covenants and Restrictions of the Brunswick Industrial Park dated February 12, 1981 and recorded in the Cumberland County Registry of Deeds in Book 4739, Page 302, as amended from time to time, which grantee and its successors and assigns forever hereby agree to observe.

2. A 20-foot pedestrian easement as shown on a plan entitled "Final Plan of Harbor Technologies" prepared by Sitelines P.A. and dated 08-02-04.

3. Any utility easements.

4. The requirements of the federal, state and local approval processes.

To have and to hold the same, together with all the privileges and appurtenances thereunto belonging to it, the said Allied Composite Center, LLC, its successors and assigns forever.

Brunswick Economic Development Corporation has caused this instrument to be signed in its corporate name by Mike Ouellet, its Vice-Chair, duly authorized, this 18th day of January 2008.

BRUNSWICK ECONOMIC
DEVELOPMENT CORPORATION

By: _____
Michel Ouellet
Its Vice-Chair

STATE OF MAINE
COUNTY OF CUMBERLAND, ss. January 18, 2008

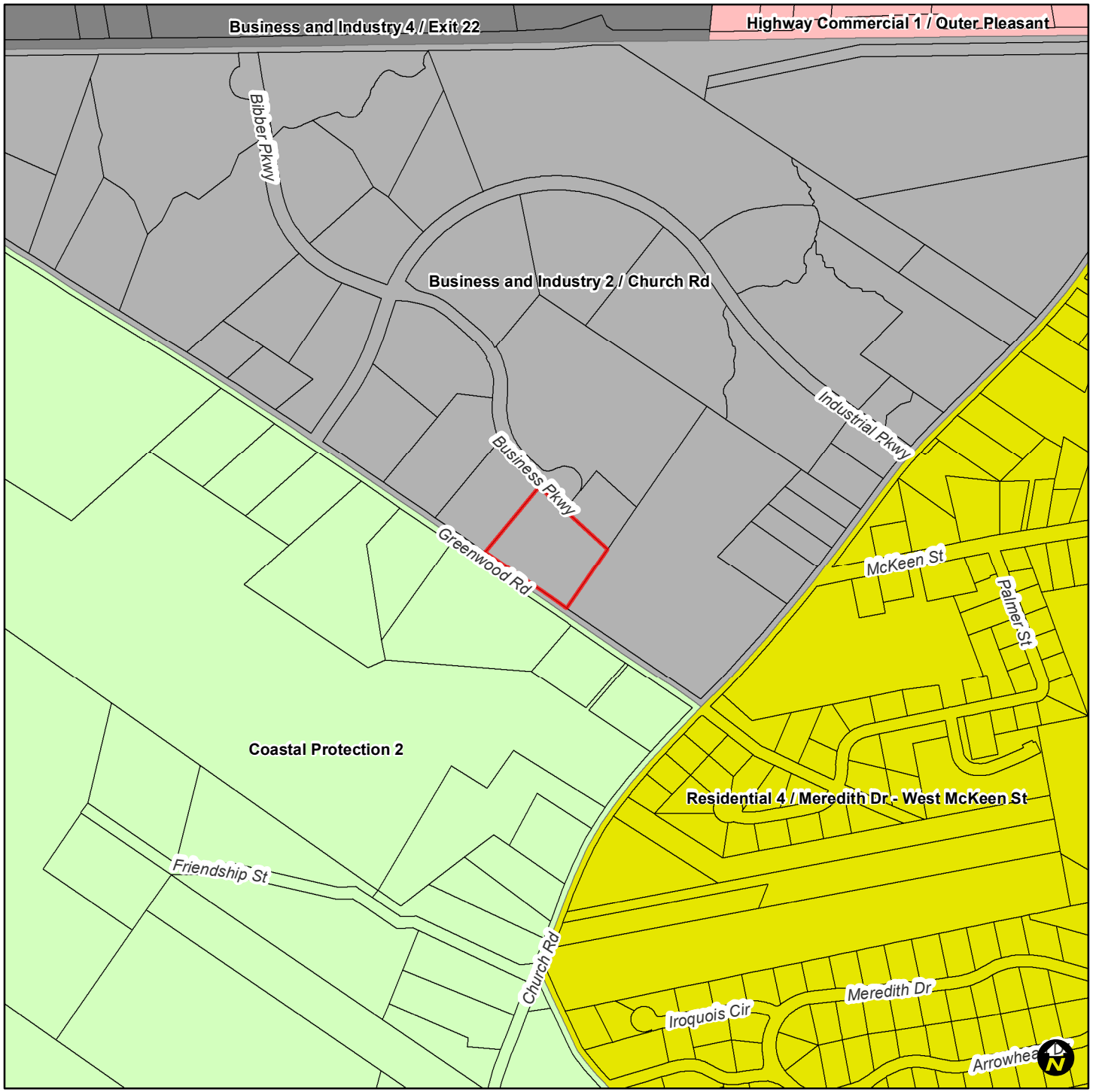
PERSONALLY APPEARED the above-named michael Ouellet in his/her capacity as Vice-Chair of Brunswick Economic Development Corporation and acknowledged the foregoing instrument to be his/her free act and deed in his/her said capacity and the free act and deed of Brunswick Economic Development Corporation.

_____
~~Notary Public~~ Attorney at Law
Peter Van Hemel

Received
Recorded Register of Deeds
Jan 25,2008 11:44:21A
Cumberland County
Pamela E. Lovley

Brunswick Maine

8 Business Parkway



Legend

- Selected Parcels
- Parcels
- Town Boundary
- Town Center 1 / Maine Street
- BNAS Conservation District
- Town Center 2 / Fort Andross
- Town Center 3 / Lower Park Row
- Town Residential 1 / Inner Pleasant St
- Town Residential 2 / Federal St
- Town Residential 3 / Water St
- Town Residential 4 / Jordan Acres
- Town Residential 5 / Columbia Ave - Spring St
- Residential 1 / Longfellow St
- Residential 2 / Meadowbrook - Parkview
- Residential 3 / Maquoit Rd
- Residential 4 / Meredith Dr - West McKeen St
- Resdential 5 / River Rd
- Residential 6 / Cook's Corner
- Residential 7 / McLellan-Garrison St
- Residential 8 / College Park
- College Use/Town Conservation District
- College Use 1 / Campus Center
- College Use 2 / Pickard Field
- College Use 3 / College St
- College Use 4 / Bowdoin Pines
- College Use 5 / Brunswick Apartments
- College Use 6 / Cleaveland St - Bath Rd
- College Use 7 / Longfellow Ave - South St
- Commercial / Cook's Corner
- Highway Commercial 1 / Outer Pleasant
- Highway Commercial 2 / Inner Bath Rd
- Mixed Use 2 / Intown Railroad Corridor
- Mixed Use 3 / Upper Harpswell Rd
- Mixed Use 4 / Fox Run
- Mixed Use 6 / Lower Harpswell Rd
- BNAS Reuse District
- Business and Industry 1 / Industry Rd
- Business and Industry 2 / Church Rd
- Business and Industry 3 / Bath Rd
- Business and Industry 4 / Exit 22
- Farm Forest 1 / Durham-Hacker Road Area
- Farm Forest 3 / New Meadows River Area
- Country Residential 1 / Northwest Brunswick
- Country Residential 2 / Old Bath Rd
- Rural Mixed Use 1 / Lower Old Bath Rd
- Rural Mixed Use 5 / Portland Road Area
- Coastal Protection 1
- Coastal Protection 2

0 295 590 1,180

Feet

This map was generated by the Town of Brunswick's online GIS. This information has been compiled from various public and private sources. While every attempt has been made to provide accurate information, neither the municipality nor the service host guarantee the accuracy of information provided herein.

Map generated on: 9/27/2016

XLAND PROJECTS\1111\DWG\1111.01 SITE.COU 2016-10-03.DWG, SITE PLAN, 10/3/2016 8:02:48 AM, KEVIN C

GRID NORTH

GREENWOOD ROAD

BUSINESS PARKWAY

15' SETBACK

50' BUFFER

100' BUFFER

N40°07'31"E
352.62'

PRODUCTION AREA
25,200 S.F.

OFFICE AREA
2,800 S.F.

PROJECT SIGN

LAWN

WETLAND

FRONT YARD

BIKE RACK

GRASS SWALE

PERENNIAL BEDS

PERENNIAL BED

BITUMINOUS CURB

14 SPACES

GRADE 2% SWALE TO DRAIN TO CB1

CB1
RIM=103.0
INV. OUT=99.5

12" HDPE
L=24'±
S=.02

DETENTION POND

N39°59'59"E
88.23'

N39°00'00"W
225.71'

L=476.20'
R=75.00'

92.66'

384.54'
N47°32'25"W

FOOTPATH CONNECTION TO TRAIL

20' PEDESTRIAN EASEMENT TO BE RETAINED BY THE TOWN. EASEMENT TO BE LOCATED 10' EACH SIDE FROM CL OF TRAIL AS CONSTRUCTED IN THE FIELD.

N/F
TOWN OF BRUNSWICK
2.95 ACRES
MAP 17 LOT 68

TRAIL

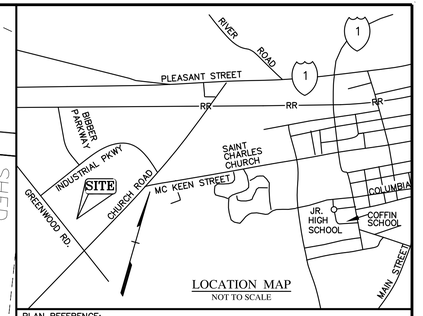
WOODED

POND
ELEVATION = 95.6

EDGE OF WETLANDS (TYP)

BM#1: PK NAIL IN NE'LY SIDE OF CMP
5/56-4
ELEV. 101.98

297.98'
N35°57'28"E



LOCATION MAP
NOT TO SCALE

PLAN REFERENCE:

1. "SUBDIVISION PLAN – AMENDMENT 1 INDUSTRIAL PARK EXPANSION" PREPARED FOR THE TOWN OF BRUNSWICK DATED 03-28-03 LAST REVISION OF 05-08-03. PREPARED BY SITELINES, P.A. OF BRUNSWICK, MAINE

2. TOPOGRAPHIC AND BOUNDARY SURVEY COMPLETED BY ROBERT M. SPIVEY PLS # 1335 (P.O. BOX 901, BRUNSWICK, MAINE 04011 TEL. (207) 721-0511) PORTION OF MARRINER LUMBER CO. LOT FOR TOWN OF BRUNSWICK, MAINE. DATED OCT. MAY 29, 2002.

GENERAL NOTES:

1. THE SITE IS ON MAP 17 LOT 68.

2. AREA OF EXISTING LOT = 2.95 ACRES

3. ORDINANCE STANDARDS:
ZONE: I2 (CHURCH ROAD INDUSTRIAL PARK)
MINIMUM LOT SIZE: 20,000 S.F.
DIMENSION REQUIREMENTS:
1.) MINIMUM LOT WIDTH: 100'
2.) YARD DEPTHS
A) FRONT = 20'
B) REAR = 20'
C) SIDE = 15'
3.) MAXIMUM BUILDING HEIGHT = 60'
MAXIMUM FOOTPRINT FACTOR = N/A
MAXIMUM IMPERVIOUS SURFACE COVERAGE= 80%

4. WETLANDS WERE LOCATED FROM FLAGS SET BY STEVE WALKER, TOWN OF BRUNSWICK.

5. ELEVATIONS ARE IN FEET AND ARE IN THE SAME DATUM AS PLAN REFERENCE 3 ABOVE.

6. THE EXISTENCE AND LOCATIONS OF UNDERGROUND UTILITIES HAVE NOT BEEN CONFIRMED.

7. MAINE DEP HAS APPROVED THE FOLLOWING IMPERVIOUS AREAS ON LOTS 1, 2, 3 & 4 AS SPECIFIED IN DEPARTMENT ORDER #L-6773-39-L-A:
LOT 1 – 3.08 ACRES
LOT 2 – 1.70 ACRES
LOT 3 – 1.34 ACRES
LOT 4 – 1.18 ACRES
DEVELOPMENT WHICH EXCEEDS THE IMPERVIOUS AREA RESERVED FOR EACH LOT REQUIRES ADDITIONAL APPROVAL FROM MAINE DEP. 2,085 S.F. OF WETLAND WILL BE FILLED AS PART OF THE ROAD CONSTRUCTION. WETLANDS ON LOT 2 MAY BE FILLED UP TO 2,215 S.F. WITHOUT A PERMIT. IMPACTS ON LOT 2 GREATER THAN 2,215 S.F. SHALL REQUIRE A PERMIT FROM MAINE DEP. ANY WETLAND IMPACT ON LOT 1 & 3 SHALL REQUIRE A PERMIT FROM MAINE DEP.

8. A 50' UNDISTURBED BUFFER SHALL BE PRESERVED. THE BUFFER SHALL BE ENHANCED WITH ADDITIONAL EVERGREEN TREES TO PROVIDE A SOLID VISUAL BARRIER FROM THE RESIDENCE LOCATED AT TAX MAP 17 LOT 26.

9. EXITING IMPERVIOUS AREA:

PAVING & SIDEWALKS	15,417 S.F.	
BUILDING	28,000 S.F.	
TOTAL APPROVED PROJECT	43,417 S.F.	1.00 ACRES (10-11-07)
TOTAL APPROVED BY DEP	51,400 S.F.	1.18 ACRES

10. THE PURPOSE OF THIS PLAN IS TO DEPICT THE APPROVED AND CONSTRUCTED PROJECT, TO FACILITATE A CHANGE OF USE FROM INDUSTRY, CLASS 2 TO SERVICE BUSINESS, CLASS 2.

LEGEND

■	MONUMENT FOUND
●	IRON MARKER FOUND
	BOUNDARY LINE OF SURVEYED PARCEL
	BOUNDARY LINE OF ABUTTERS (APPROX.)
	ROAD RIGHT OF WAY LINE (APPROX.)
	EDGE OF TRAVELED WAY
OHE	UTILITY LINE
CMP 13	UTILITY POLE WITH NUMBER
IPF	IRON PIPE FOUND
IRF	IRON ROD FOUND
DH	DRILL HOLE
BK 10674, PG 197	DEED BOOK & PAGE IN COUNTY REGISTRY OF DEEDS
PB 195, PG 130	PLAN BOOK & PAGE IN COUNTY REGISTRY OF DEEDS
R/W	RIGHT OF WAY
N/F	NOW OR FORMERLY HELD BY
AC.	ACRES
±	MORE OR LESS
Ⓢ	SEWER MANHOLE
☼	LIGHT POLE
▥	CATCH BASIN
	WATER SHUT OFF
	HYDRANT
	SIGN
	WATER VALVE

APPROVAL
TOWN OF BRUNSWICK PLANNING BOARD

DATE APPROVED: _____

DATE SIGNED: _____

CHAIRMAN: _____

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1 inch = 20 ft.

ISSUED FOR:
PERMITTING REVIEW

SITE PLAN

CHANGE OF USE APPLICATION
ALLIED COMPOSITE CENTER, LLC

8 BUSINESS PARKWAY
BRUNSWICK, MAINE

SITELINES, PA
ENGINEERS • PLANNERS • SURVEYORS
8 CUMBERLAND STREET, BRUNSWICK, ME 04011
207.725.1200 www.sitelinespa.com

FIELD WK: SPIVEY	SCALE: 1"=20'	SHEET: 1 OF 1
DRN BY: PRL	JOB #: 1111.01	
CH'D BY: KPC	MAP/LOT:	
DATE: 10-03-2016	FILE: 1111.01 SITE	

Cambridge Seven Associates, Inc.

1050 Massachusetts Ave.
Cambridge, MA 02138
617 492-7000
Fax 617 492-7007
www.c7a.com

Ronald D. Baker
Stefanie Greenfield
Steven Imrich
Patricia E. Intrieri
Gary C. Johnson
Peter Kuttner
Timothy D. Mansfield
Marc Rogers
José Silveira

Yongjoo Kim
Adam P. Mitchell
James C. Puopolo
Penny J. Sander
Douglas Simpson
Peter Sollogub
Joslin Stewart

Architecture
Urban Design
Master Planning
Programming
Interior Design
Graphic Design
Exhibit Design

Charles Redmon
Emeritus

Brunswick Planning Board
Town of Brunswick
28 Federal Street
Brunswick, Maine 04011

11 October 2016

Re: **Major Development Review Sketch Plan Application**
Environmental Studies Academic Center
38 Harpswell Road, Brunswick, Maine
Tax Map U-09, Lot 47

On behalf of Bowdoin College, Cambridge Seven Associates, Inc. (C7A) is pleased to submit the enclosed Major Development Review Sketch Plan Application, drawings, and supporting materials for the construction of a new academic building to be located on the corner of Harpswell Road and College Street, which is being referred to as the *Environmental Studies Academic Center*.

The new building will provide space for Bowdoin College's environmental studies program. The proposed construction will be a three story academic building and include faculty offices, classrooms, research labs and common spaces. The total square footage will be 25,800sf and fully conform to all zoning height, size and set back requirements. The new building will include an at-grade entry facing College Street with a new elevator to make all program spaces handicap-accessible.

The programs in the *Environmental Studies Academic Center* are being relocated from other spaces on-campus. There will be no new demand for parking, as faculty and students using the building will continue to use designated on-campus parking as they do now. Thirty Five off-street parking spaces are provided adjacent to the site and in addition, a connection is being planned to allow direct access to the Coffin Street lot providing additional parking for use by all campus employees and visitors.

As part of the project, Bowdoin College will be providing two of their campus standard bicycle racks for use by the building occupants.

Sincerely,

Timothy D. Mansfield AIA
Principal
Cambridge Seven Associates

Xc: Don Borkowski, Bowdoin College

MAJOR DEVELOPMENT REVIEW
SKETCH PLAN APPLICATION

1. Project Name: Environmental Studies Academic Center

2. Project Applicant
   Name: Bowdoin College
   Address: Maine Street
   Brunswick ME 04011
   Phone Number: (207) 725-3000

3. Authorized Representative
   Name: Don Borkowski
   Address: Bowdoin College
   Brunswick ME 04011
   Phone Number: (207) 725-3947

3. List of Design Consultants. Indicate the registration number, address and phone number Of any engineer, surveyor, architect, landscape architect or planner used:

   1. Cambridge Seven Associates Inc. - Architect
   2. Stephen Stimson Associates - Landscape Architect
   3. Sebago Technics - Civil Engineer

5. Physical location of property being affected: 38 Harpswell Road, Brunswick ME

6. Lot Size: 0.72 Acres

7. Zoning District: CU3

8. Indicate the interest of the applicant in the property and abutting property. For example, is the applicant the owner of the property and abutting property? If not, who owns the property subject to this application? The Applicant, Bowdoin College, is the owner of the property.

9. Assessor's Tax Map U-09 Lot Number 47 of subject property.

10. Brief description of proposed use: New academic building housing the environmental studies program. The new building will have faculty offices, classrooms, research labs and common spaces.

11. Describe specific physical improvements to be done: The new building will be sited on the west side of the lot. Generous landscaping with an indigenous bio-swale will be designed between the new buidling and Harspwell Road. Pedestrian walks will be improved around the site.

Owner Signature: D. Don Borkowski for Bowdoin College

Applicant Signature (*if different*):

Required Attachments (by Applicant):

- Sketch Plan Check List
- Sketch Plan Requirements for Open Space Developments (if applicable)
- Request for Waivers (if applicable)
- Required Copies of Sketch Plan

Required Attachment (by Planning and Development Department):

- Listing of all owners of property within 200-foot radius of property under review.

SKETCH PLAN REQUIREMENTS

Key: "O" = Omit; "S"= Submit; "NA"= Not Applicable; "W" = Waiver; "P" = Pending

Item	O	S	NA	W	P	Comments
Indicate Variances Granted			NA			
Indicate Special Permits			NA			
Indicate Special Exceptions			NA			
Date, north point, scale		S				
Land area, existing use of the property, location of proposed development, locations reserved for future development		S				
Tentative rights-of-way locations, lot lines, lot numbers, lot areas		S				
Estimated soil boundary locations from the Soil Conservation Service Medium Intensity Soil Survey noting areas of severe and very severe soil limitations			NA			
Existing natural, topographical, and cultural features including areas of steep slopes, bedrock outcrops, ponds, streams, aquifers, and other water bodies, wetlands, groundwater recharge areas, slumps, flood hazard areas, trees, and other vegetation, excavation sites, stone walls, net site area, historic and archeological sites, structures, or districts, and any other pertinent features.		S				
Tentative locations of proposed structures, owners of existing structures, and neighboring land uses		S				
Special conservation and recreation areas			NA			
Location map					P	
Zoning information, including the zoning district(s) in which the property is located and the location of any overlay zones depicted on the plan.		S				
Any conditions imposed by previous development on the site.			NA			
Other information Planning Board/Staff Review Committee deems necessary to conduct an informed review.					P	
Letter of consent signed by property owner authorizing the development review application in cases where applicant is not the owner of the property.			NA			
Application Fee		S				
For Open Space Developments, sketch plan design review requirements indicated in Section 308.1			NA			
Open Space Development: Request for Bonus Density			NA			

Owner **Bowdoin College**
5000 South St Brunswick, ME 04011

Roux Center for the Environment

100% Schematic Design

10/11/16

Architect	**CAMBRIDGE SEVEN ASSOCIATES, INC. Cambridge, MA**	Landscape Architect	**STEPHEN STIMSON ASSOCIATES Cambridge, MA**
MEP/FP Engineer	**ARUP Cambridge, MA**	Sustainability Consultant	**THORNTON TOMASETTI Portland, ME**
Structural Engineer	**BECKER STRUCTURAL ENGINEERS Portland, ME**	General Contractor	**CONSIGLI CONSTRUCTION CO., INC. Milford, MA**
Civil Engineer	**SEBAGO TECHNICS Portland, ME**		
Code Consultant	**JENSEN HUGHES Framingham, MA**		
Specifications	**KALIN ASSOCIATES Newton, MA**		

DRAWING INDEX

GENERAL		
GENERAL	A0.00	TITLE SHEET
GENERAL	A0.01	DRAWING INDEX, NOTES AND SYMBOLS
GENERAL	A0.03	ARCHITECTURAL SITE PLAN
CIVIL		
CIVIL	C1	SITE DEMOLITION PLAN
CIVIL	C2	EROSION CONTROL PLAN
CIVIL	C3	CIVIL SITE PLAN
CIVIL	C4	UTILITY PLAN
CIVIL	C5	AERIAL OVERLAY
CIVIL	C6	DETAILS
CIVIL	C7	DETAILS
LANDSCAPE		
LANDSCAPE	L1	LANDSCAPE SITE PLAN
ARCHITECTURAL		
ARCHITECTURAL	A1.00	LOWER LEVEL PLAN
ARCHITECTURAL	A1.01	FIRST FLOOR PLAN
ARCHITECTURAL	A1.02	SECOND FLOOR PLAN
ARCHITECTURAL	A1.03	THIRD FLOOR PLAN
ARCHITECTURAL	A1.04	ROOF PLAN
ARCHITECTURAL	A2.01	EXTERIOR ELEVATIONS
ARCHITECTURAL	A2.02	EXTERIOR ELEVATIONS
ARCHITECTURAL	A2.11	BUILDING SECTION/ELEVATIONS
ARCHITECTURAL	A3.01	TYPICAL WALL SECTIONS
ARCHITECTURAL	A3.03	TYPICAL WALL SECTIONS & PLANS
ARCHITECTURAL	A5.01	STAIR, ELEVATOR PLANS & SECTIONS
ARCHITECTURAL	A6.01	PARTITION TYPES & INTERIOR FINISHES SCHEDULE
ARCHITECTURAL	A6.02	DOOR ELEVATIONS AND EXTERIOR FINISH SCHEDULE
ARCHITECTURAL	A7.03	INTERIOR ELEVATIONS
ARCHITECTURAL	A8.00	LOWER LEVEL REFLECTED CEILING PLAN
ARCHITECTURAL	A8.01	FIRST FLOOR REFLECTED CEILING PLAN
ARCHITECTURAL	A8.02	SECOND FLOOR REFLECTED CEILING PLAN
ARCHITECTURAL	A8.03	THIRD FLOOR REFLECTED CEILING PLAN
STRUCTURAL		
STRUCTURAL	S1A	OPTION A STEEL-FOUNDATION/FIRST FLOOR FRAMING PLAN
STRUCTURAL	S1B	OPTION B GLU-LAM-FOUNDATION/FIRST FLOOR FRAMING PLAN
STRUCTURAL	S1C	OPTION C GLU-LAM/CLT-FOUNDATION/FIRST FLOOR FRAMING PLAN
STRUCTURAL	S2A	OPTION A STEEL-SECOND FLOOR FRAMING PLAN
STRUCTURAL	S2B	OPTION B GLU-LAM- SECOND FLOOR FRAMING PLAN
STRUCTURAL	S2C	OPTION C GLU-LAM/CLT-SECOND FLOOR FRAMING PLAN
STRUCTURAL	S3A	OPTION A STEEL- THIRD FLOOR/LOW ROOF FRAMING PLAN
STRUCTURAL	S3B	OPTION B GLU-LAM- THIRD FLOOR/LOW ROOF FRAMING PLAN
STRUCTURAL	S3C	OPTION C GLU-THIRD FLOOR/LOW ROOF FRAMING PLAN
STRUCTURAL	S4A	OPTION A STEEL- HIGH ROOF FRAMING PLAN
STRUCTURAL	S4B	OPTION B GLU-LAM- HIGH ROOF FRAMING PLAN
STRUCTURAL	S4C	OPTION C GLU-LAM/CLT-HIGH ROOF FRAMING PLAN
MEP		
MEP	E-302	ONE LINE DIAGRAM - RISER
MEP	MEP-400	LOWER LEVEL - COMBINED SERVICES PLAN
MEP	MEP-401	FIRST FLOOR - COMBINED SERVICES PLAN
MEP	MEP-402	SECOND FLOOR - COMBINED SERVICES PLAN
MEP	MEP-403	THIRD FLOOR - COMBINED SERVICES PLAN
MEP	MEP-404	ROOF - COMBINED SERVICES PLAN

ABBREVIATIONS

&	AND
∠	ANGLE
@	AT
℄	CENTERLINE
#	POUND OR NUMBER
(E)	EXISTING
ACOUS	ACOUSTICAL
ACT	ACOUSTICAL CEILING TILE
AD	AREA DRAIN
ADJ	ADJUSTABLE
AGGR	AGGREGATE
AL	ALUMINUM
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ASB	ASBESTOS
ASPH	ASPHALT
AUD	AUDITORIUM
AWT	ACOUSTICAL WALL TREATMENT
BD	BOARD
BITUM	BITUMINOUS
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM
BOD	BOTTOM OF ROOF DECK
BOT	BOTTOM
CAB	CABINET
CB	CATCH BASIN
CBB	CEMENTITIOUS BACKER BOARD
CEM	CEMENT
CER	CERAMIC
CI	CAST IRON
CG	CORNER GUARD
CJ	CONTROL JOINT
CLG	CEILING
CLKG	CAULKING
CLO	CLOSET
CLR	CLEAR
CO	CASED OPENING
COL	COLUMN
COMP	COMPRESSIBLE
CONC	CONCRETE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CORR	CORRIDOR
CPT	CARPET
CT	CERAMIC TILE
CTR	CENTER
CTSK	COUNTERSUNK
DBL	DOUBLE
DEPT	DEPARTMENT
DF	DRINKING FOUNTAIN
DET	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DISP	DISPENSER
DN	DOWN
DO	DOOR OPENING
DR	DOOR
DWR	DRAWER
DS	DOWNSPOUT
DSP	DRY STAND-PIPE
DWG	DRAWING
E	EAST
EA	EACH
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSURE
EP	ELECTRICAL PANELBOARD
EQ	EQUAL
EQPM	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
EXPO	EXPOSED
EXP	EXPANSION
EXT	EXTERIOR
FA	FIRE ALARM
FBO/SC	FURNISHED BY OWNER INSTALLED BY CONTRACTOR
FBO/BO	FURNISHED BY OWNER INSTALLED BY OWNER
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FHC	FIRE HOSE CABINET
FF	FINISH FLOOR
FIN	FINISH
FL	FLOOR
FLASH	FLASHING
FLUOR	FLUORESCENT
FM	FLOOR MAT
FMRC	FIBERGLASS MESH REINFORCED CEMENT (BACKER BOARD)
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOS	FACE OF STUD
FRPF	FIREPROOF
FR	FIRE RATED
FRP	FIBERGLASS REINFORCED PLASTIC
FS	FULL SIZE
FT	FOOT OR FEET
FTG	FOOTING
FURR	FURRING
FUT	FUTURE
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GFRC	GLASS FIBER REINFORCED CONCRETE
GFRG	GLASS FIBER REINFORCED GYPSUM
GL	GLASS
GL BLK	GLASS BLOCK
GND	GROUND
GR	GRADE
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
HAND	HANDICAPPED
HB	HOSE BIB
HC	HOLLOW CORE
HDWD	HARDWOOD
HDWE	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
HGT	HEIGHT
ID	INSIDE DIMENSION
INSUL	INSULATION
INT	INTERIOR
JA	JANITOR
JT	JOINT
KT	KITCHEN
LAB	LABORITORY
LAM	LAMINATE
LAV	LAVATORY
LH	LEFT HAND
LKR	LOCKER
LT	LIGHT
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MEMB	MEMBRANE
MTL	METAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MR	MOISTURE RESISTANT
MTD	MOUNTED
MUL	MULLION
N	NORTH
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFF	OFFICE
OH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
OVHD	OVERHEAD
PART	PARTITION
PC	PRECAST
PCT	PORCELAIN CERAMIC TILE
PERF	PERFORATED
PL	PLATE
P.LAM	PLASTIC LAMINATE
PLAS	PLASTER
PLYWD	PLYWOOD
POL	POLISHED
PR	PAIR
PT	PRESSURE TREATED
PTD	PAINTED
QT	QUARRY TILE
R	RISER
RAD	RADIUS
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REF	REFERENCE
REINF	REINFORCED
REM	REMOVE
REQ'D	REQUIRED
RESIL	RESILIENT
REV	REVISION
RH	RIGHT HAND
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RTU	ROOF TOP UNIT
S	SOUTH
SC	SOLID CORE
SCHED	SCHEDULE
SECT	SECTION
SF	SEAMLESS FLOORING
SG	SOUND GASKET
SH	SHELF
SHT	SHEET
SIM	SIMILAR
SOH	SIMILAR OPPOSITE HAND
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
STA	STATION
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPENDED
SVF	SHEET VINYL FLOORING
SYM	SYMMETRICAL
SYS	SYSTEM
TEL	TELEPHONE
TER	TERRAZZO
T&G	TONGUE AND GROOVE
THK	THICK
TOC	TOP OF CURB
TOP	TOP OF PARAPET
TOS	TOP OF SLAB, TOP OF STEEL
TOW	TOP OF WALL
TV	TELEVISION
TYP	TYPICAL
UNF	UNFINISHED
UON	UNLESS OTHERWISE NOTED
UR	URINAL
VAT	VINYL ASBESTOS TILE
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VWC	VINYL WALL COVERING
W	WEST
W	WIDTH
W/	WITH
WB	WOOD BASE
WC	WATER CLOSET
WD	WOOD
WH	WALL HUNG
W/O	WITHOUT
WP	WATERPROOF
WSCT	WAINSCOT
WT	WEIGHT
WWF	WELDED WIRE FABRIC

MATERIALS

- ALUMINUM
- BATT INSULATION
- BRICK, STONE MASONRY
- CERAMIC TILE
- CONCRETE
- CONCRETE MASONRY
- EARTH
- FRP
- GRAVEL
- GYPSUM - PLASTER
- PARTICLE BOARD
- PLASTIC
- PLYWOOD
- RIGID INSULATION
- STEEL
- WOOD FINISH

SYMBOLS

- ROOM TAG (ROOM / 101)
- DOOR TAG (101)
- REVISION NUMBER (1)
- WINDOW TYPE (AA)
- PARTITION TYPE (10A)
- BUILDING SECTION (1 / A101, SIM)
- WALL SECTION (1 / A101, SIM)
- DETAIL REFERENCE (1 / A101, SIM)
- GRID REFERENCE (0.0)
- CALL OUT (1 / A101, SIM)
- EXTERIOR ELEVATION (A201)
- INTERIOR ELEVATION (A101)
- DATUM/SPOT ELEVATION (LEVEL 1, 0'-0")
- FLOOR ELEVATION (FINISH FLOOR ELEVATION X'-Y")
- TITLE MARK (A1 View Name)
- NORTH ARROW (N)

Bowdoin

Bowdoin College

Roux Center for the Environment

100% SCHEMATIC DESIGN

Cambridge Seven Associates, Inc.

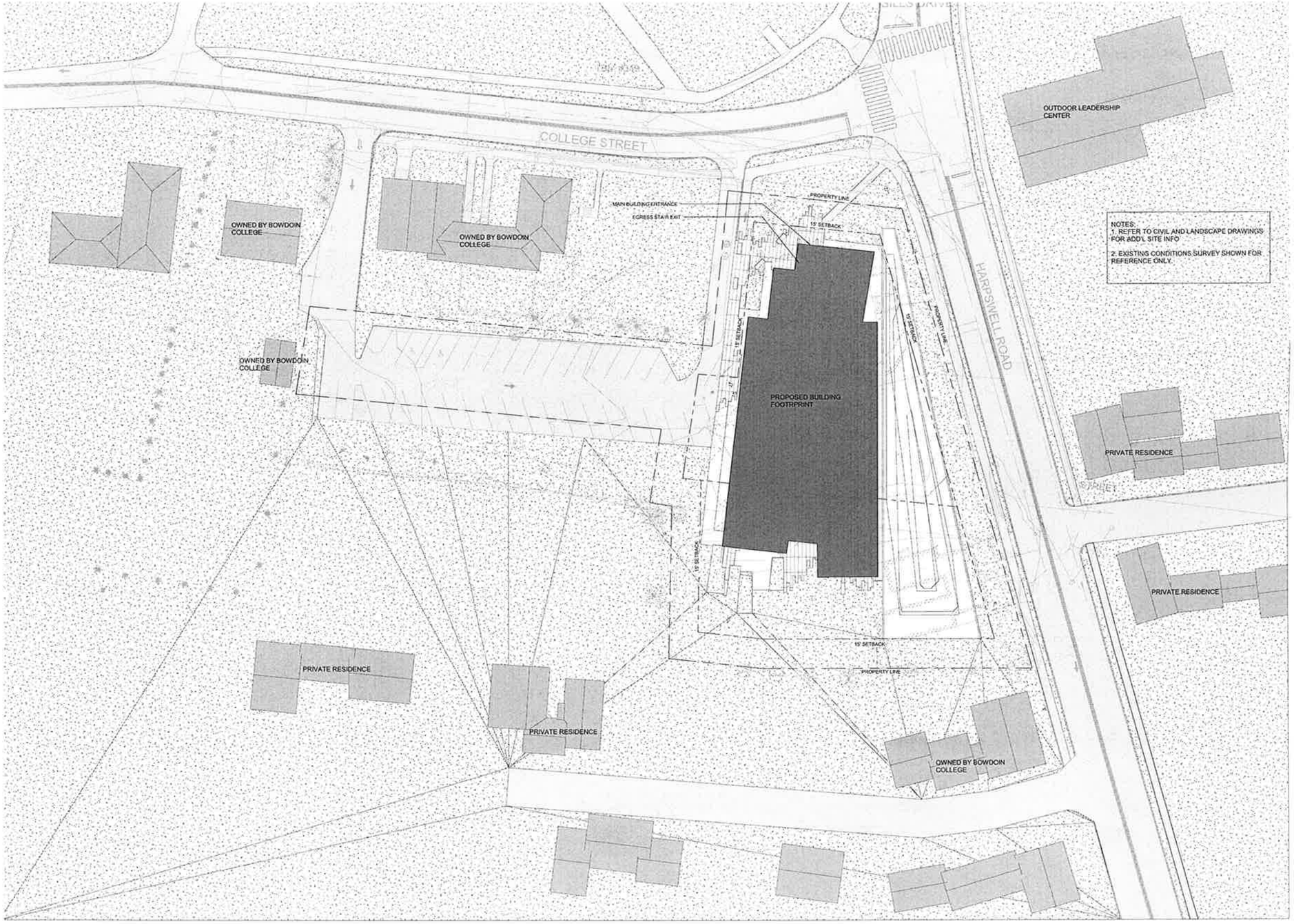
Architects and Planners
1050 Massachusetts Avenue
Cambridge, MA 02138
617 492-7000 Fax 492-7007

1503	
Roux Center for the Environment	
CM	TM
10/11/16	
As indicated	

DRAWING INDEX, NOTES AND SYMBOLS

A0.01

10/11/2016 10:51:45 AM



1 SITE PLAN
1" = 20'-0"

10/11/2016 10:51:48 AM

Bowdoin

Bowdoin College

Roux Center for the Environment

100% SCHEMATIC DESIGN

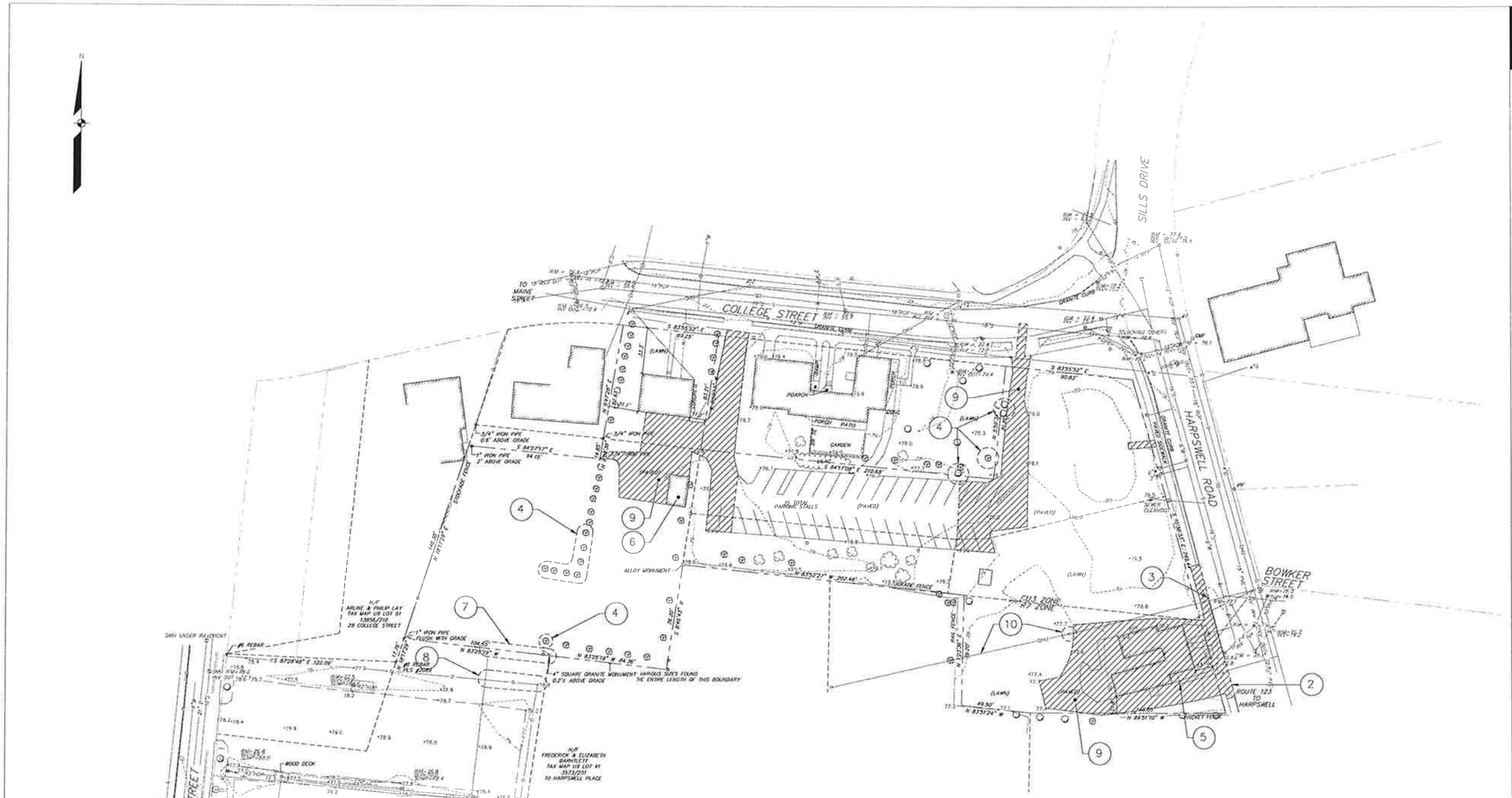
Cambridge Seven Associates, Inc.

Architects and Planners
1050 Massachusetts Avenue
Cambridge, MA 02138
617 492-7000 Fax 492-7007

	1603
	Roux Center for the Environment
	CM TM
	10/11/16
	1" = 20'-0"

ARCHITECTURAL SITE PLAN

A0.03



LEGEND

EXISTING	DESCRIPTION
	PROPERTY LINE/R.O.W.
	ABUTTER LINE/R.O.W.
	DEED LINE/R.O.W.
	SETBACK
	EASEMENT
	MONUMENT
	IRON PIPE/ROD
	DRILL HOLE
	BUILDING
	EDGE PAVEMENT
	EDGE GRAVEL
	CURB LINE
	TREELINE
	CONTOURS
X120.00	SPOT GRADE
	CHAIN LINK FENCE
	BARB WIRE FENCE
	STOCKADE FENCE
	GUARD RAIL
	STONE WALL
	RETAINING WALL
	DECIDUOUS TREE
	CONIFEROUS TREE
	BOLLARD

EXISTING	DESCRIPTION
	SIGN
	GAS
	GAS GATE VALVE
	GAS METER
	GAS MANHOLE
	WATER
	WATER GATE VALVE
	WATER SHUT OFF
	HYDRANT
	SANITARY SEWER
	FORCE MAIN
	SANITARY MANHOLE
	STORM DRAIN
	UNDER DRAIN
	DRAINAGE MANHOLE
	CATCH BASIN
	OVERHEAD UTILITY
	UNDERGROUND UTILITY
	TRANSFORMER PAD
	ELECTRICAL MANHOLE
	TELEPHONE MANHOLE
	LIGHT POLE
	UTILITY POLE
	GUY WIRE

GENERAL NOTES

1. THE RECORD OWNER OF THE PARCEL IS BOWDOIN COLLEGE BY DEED DATED JUNE 30, 2000 AND RECORDED AT THE CUMBERLAND COUNTY REGISTRY OF DEEDS IN BOOK 15549, PAGE 249. THE PROPERTY IS SHOWN AS LOTS 46 & 47 ON THE TOWN OF BRUNSWICK TAX MAP U9 AND IS LOCATED IN THE COLLEGE USE (CU3) ZONE.
2. TOTAL AREA OF PARCEL IS APPROXIMATELY 0.72 ACRES.
3. BOUNDARY INFORMATION SHOWN HEREON IS BASED SOLELY UPON SURVEY PLAN BY HARTY & HARTY SURVEYORS DATED 04-25-2013. SEBAGO TECHNICS, INC. HAS NOT PERFORMED AN INDEPENDENT BOUNDARY RETRACEMENT SURVEY OF THIS PARCEL.
4. TOPOGRAPHIC INFORMATION SHOWN HEREON IS BASED UPON SURVEY BY HARTY & HARTY SURVEYORS DATED 04-25-2013.
5. PLAN ORIENTATION IS MAGNETIC NORTH, DECEMBER 1992.
6. UTILITY INFORMATION DEPICTED HEREON IS COMPILED USING INFORMATION FROM SURVEY BY HARTY & HARTY SURVEYORS DATED 4-25-2013 AND PHYSICAL EVIDENCE OBSERVED IN THE FIELD. UTILITIES DEPICTED HEREON MAY NOT NECESSARILY REPRESENT ALL EXISTING UTILITIES. CONTRACTORS AND/OR DESIGNERS NEED TO CONTACT DIG-SAFE SYSTEMS, INC. (1-888-DIG-SAFE) AND FIELD VERIFY EXISTING UTILITIES PRIOR TO CONSTRUCTION AND/OR EXCAVATION.

DEMOLITION NOTES

1. WORK INCLUDES DEMOLITION AND REMOVAL OF BUILDING, FOUNDATION, PAVING AND TREES EXCEPT AS NOTED ON PLAN. DEMOLISHED AREAS NOT REPLACED WITH NEW IMPERVIOUS SURFACE SHALL BE REVEGETATED WITH 4" LOAM AND SEED.
2. COORDINATE DEMOLITION OF PAVING WITHIN RIGHT-OF-WAY WITH OFF-SITE IMPROVEMENTS, MDOT AND TOWN OF BRUNSWICK.
3. PULL AND RESET GRANITE CURB.
4. REMOVE ALL EXISTING TREES AND STUMPS WITHIN LIMIT OF WORK. BACKFILL VOIDS WITH COMMON BORROW.
5. REMOVE AND CAP EXISTING GAS SERVICE LINE; COORDINATE WITH TOWN OF BRUNSWICK AND MAINE NATURAL GAS.
6. BUILDING TO BE REMOVED/RELOCATED.
7. STONE WALL TO BE REMOVED - SAVE STONE FOR REUSE.
8. FENCE TO BE REMOVED.
9. PAVEMENT IN THIS AREA TO BE REMOVED.
10. UTILITY POLE AND OVERHEAD ELECTRIC TO BE RELOCATED.

Bowdoin

Bowdoin College

Roux Center for the Environment

100% SCHEMATIC DESIGN

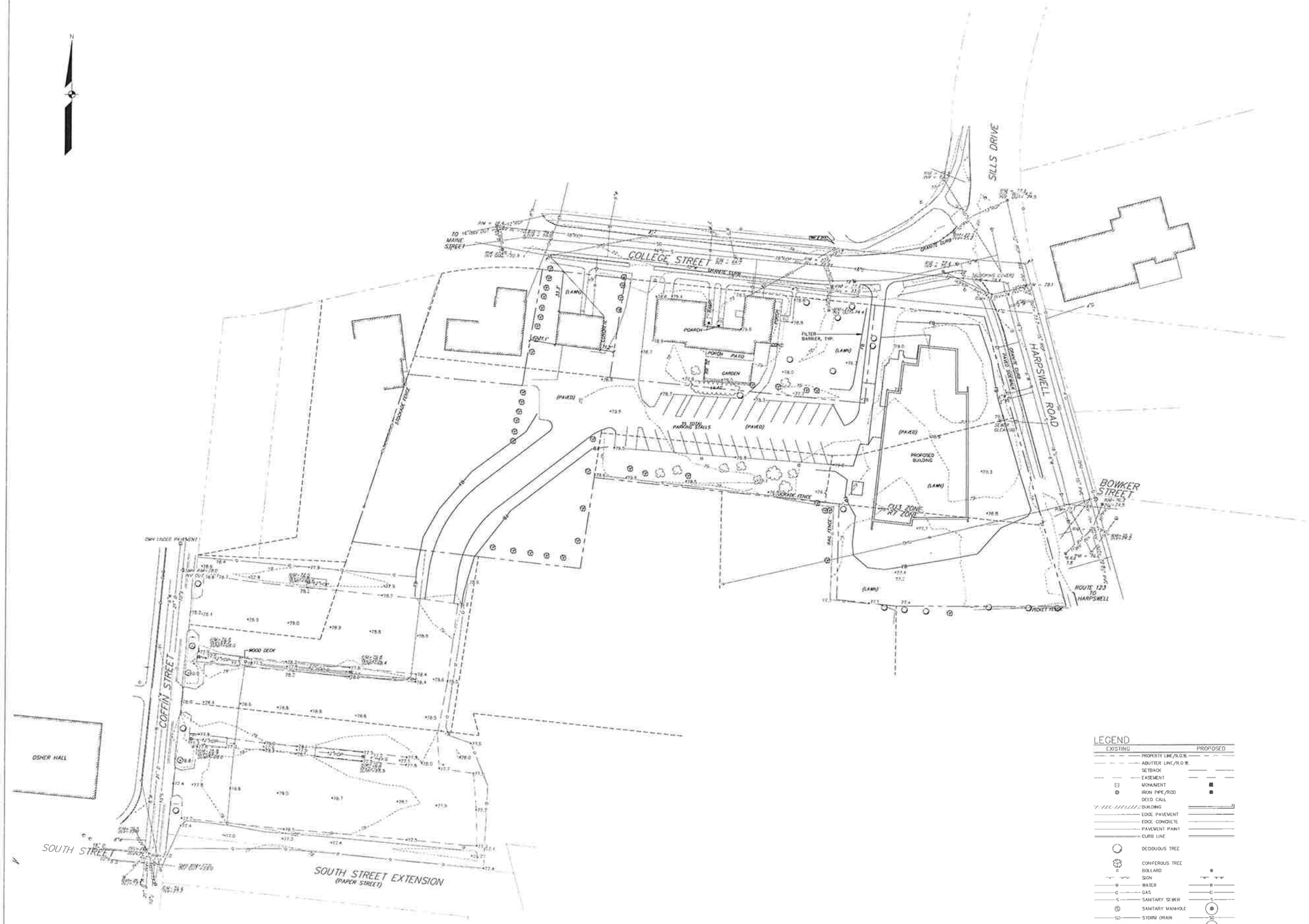
Cambridge Seven Associates, Inc.

Architects and Planners
1050 Massachusetts Avenue
Cambridge, MA 02138
617 492-7000 Fax 492-7007

Job No.	11001
Project	Roux Center for the Environment
Drawn By	KSM
Checked By	KSM
Date	08/04/16
Scale	1"=30'

DEMOLITION PLAN

C1



LEGEND

EXISTING		PROPOSED
	PROPERTY LINE/SLO.W.	
	ABUTTER LINE/SLO.W.	
	SETBACK	
	EASEMENT	
⊡	MONUMENT	■
●	IRON PIPE/ROD	●
	DEED CALL	
	BUILDING	
	EDGE PAVEMENT	
	EDGE CONCRETE	
	PAVEMENT PAINT	
	CURB LINE	
◯	DECIDUOUS TREE	
✲	CONIFEROUS TREE	
○	BOLLARD	●
SIGN		SIGN
W	WATER	W
G	GAS	G
S	SANITARY SEWER	S
(S)	SANITARY MANHOLE	(S)
SD	STORM DRAIN	SD
(D)	DRAINAGE MANHOLE	(D)
⊙ ⊟	CATCH BASIN	⊙ ⊟
OHU	OVERHEAD UTILITY	OHU
UGT	UNDERGROUND TELEPHONE/CABLE	UGT
(E)	ELECTRICAL MANHOLE	
(T)	TELEPHONE MANHOLE	
☼	LIGHT POLE	● ■ ◆
◇	UTILITY POLE	◆
	FILTER BARRIER	FB

GRAPHIC SCALE
(IN FEET)
1 INCH = 30 FT.

Bowdoin

Bowdoin College

Roux Center for the Environment

SYMBOL	DESCRIPTION	DATE

100% SCHEMATIC DESIGN

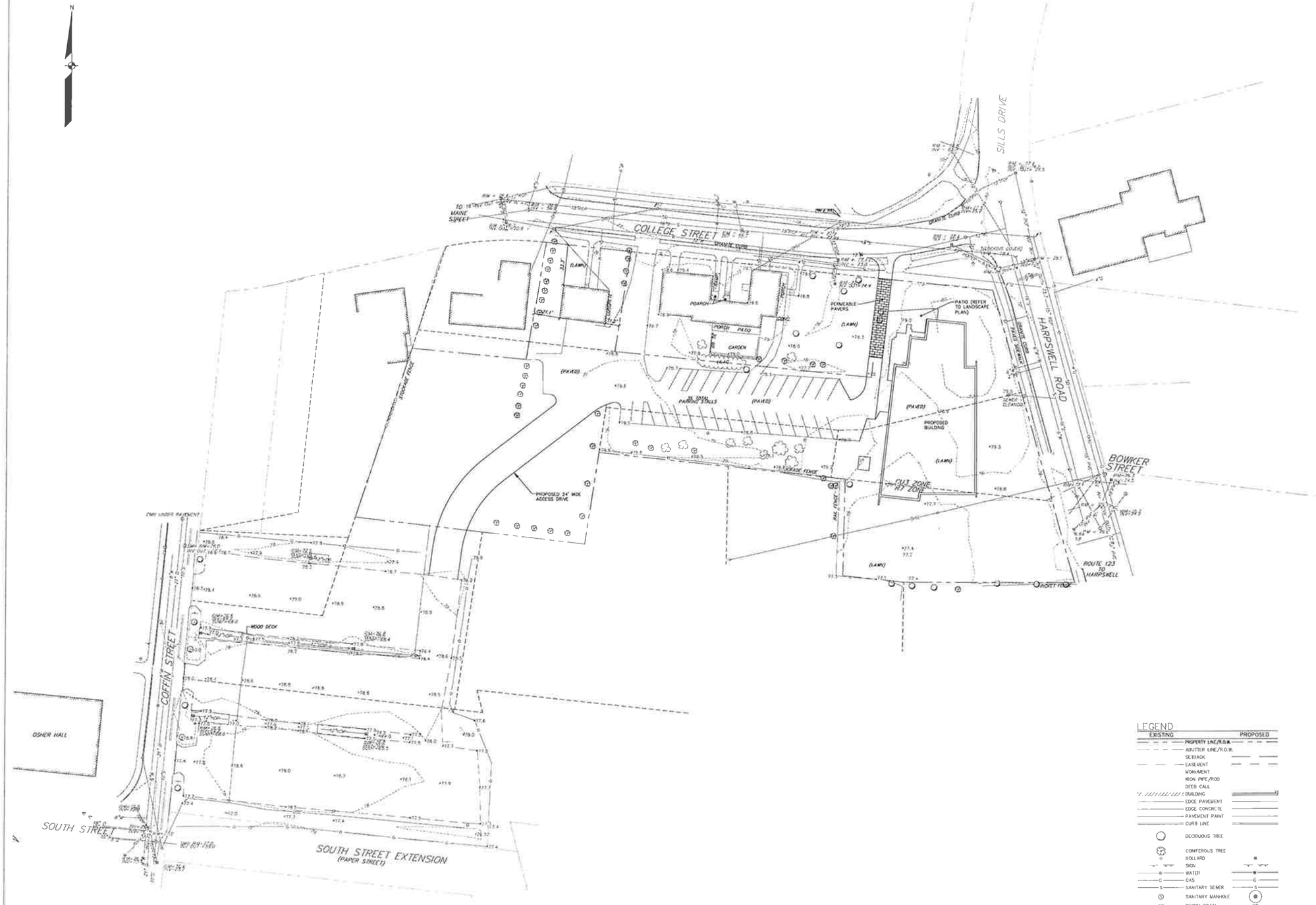
Cambridge Seven Associates, Inc.

Architects and Planners
1050 Massachusetts Avenue
Cambridge, MA 02138
617 492-7000 Fax 492-7007

JOB #	11001
PROJECT	Roux Center for the Environment
DRAWN BY	KSM
CHECKED BY	KSM
DATE	08/04/16
SCALE	1"=30'

EROSION CONTROL PLAN

C2



LEGEND

EXISTING		PROPOSED
	PROPERTY LINE/R.O.W.	
	ABUTTER LINE/R.O.W.	
	SETBACK	
	EASEMENT	
	MONUMENT	
	IRON PIPE/ROD	
	DEED CALL	
	BUILDING	
	EDGE PAVEMENT	
	EDGE CONCRETE	
	PAVEMENT PAINT	
	CURB LINE	
	DECIDUOUS TREE	
	CONIFEROUS TREE	
	BOLLARD	
	SIGN	
W	WATER	W
G	GAS	G
S	SANITARY SEWER	S
	SANITARY MANHOLE	
SD	STORM DRAIN	SD
	DRAINAGE MANHOLE	
	CATCH BASIN	
OHU	OVERHEAD UTILITY	OHU
UGT	UNDERGROUND TELEPHONE/CABLE	UGT
	ELECTRICAL MANHOLE	
	TELEPHONE MANHOLE	
	LIGHT POLE	
	UTILITY POLE	
	FILTER BARRIER	FB

Bowdoin

Bowdoin College

Roux Center for the Environment

1		

100% SCHEMATIC DESIGN

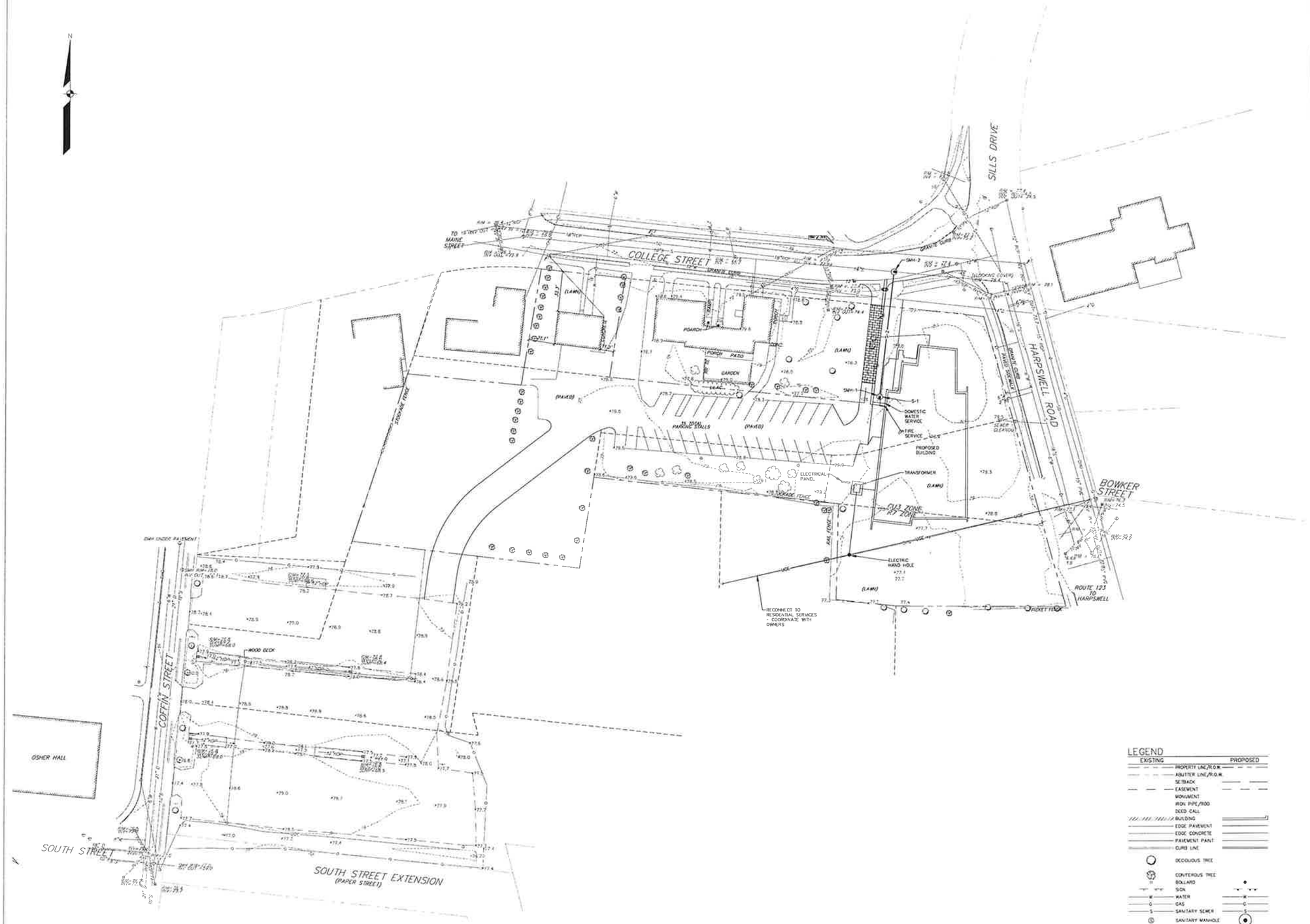
Cambridge Seven Associates, Inc.

Architects and Planners
1050 Massachusetts Avenue
Cambridge, MA 02138
617 492-7000 Fax 492-7007

11001	
Roux Center for the Environment	
KSM	KSM
08/04/16	
1"=30'	

SITE PLAN

C3



GRAPHIC SCALE

(IN FEET)
1 INCH = 30 FT

LEGEND

EXISTING		PROPOSED
	PROPERTY LINE/R.O.W.	
	ABUTTER LINE/R.O.W.	
	SETBACK	
	EASEMENT	
	MONUMENT	
	IRON PIPE/ROD	
	DEED CALL	
	BUILDING	
	EDGE PAVEMENT	
	EDGE CONCRETE	
	PAVEMENT PAINT	
	CURB LINE	
	DECIDUOUS TREE	
	CONIFEROUS TREE	
	BOLLARD	
	SIGN	
W	WATER	W
G	GAS	G
S	SANITARY SEWER	S
	SANITARY MANHOLE	
SD	STORM DRAIN	SD
	DRAINAGE MANHOLE	
	CATCH BASIN	
OHU	OVERHEAD UTILITY	OHU
UGT	UNDERGROUND TELEPHONE/CABLE	UGT
	ELECTRICAL MANHOLE	
	TELEPHONE MANHOLE	
	LIGHT POLE	
	UTILITY POLE	
FB	FILTER BARRIER	FB

Bowdoin

Bowdoin College

Roux Center for the Environment

100% SCHEMATIC DESIGN

Cambridge Seven Associates, Inc.

Architects and Planners
1050 Massachusetts Avenue
Cambridge, MA 02138
617 492-7000 Fax 492-7007

	11001
	Roux Center for the Environment
KSM	KSM
	06/04/16
	1"=30'

UTILITY PLAN

C4

Bowdoin

Bowdoin College

Roux Center for the Environment

100% SCHEMATIC DESIGN

Cambridge Seven Associates, Inc.

Architects and Planners
1050 Massachusetts Avenue
Cambridge, MA 02138
617 492-7000 Fax 492-7007

11001	
Roux Center for the Environment	
KSM	KSM
05/04/16	
1"=30'	

AERIAL OVERLAY

C5

EROSION CONTROL MEASURES

PRE-CONSTRUCTION PHASE

PRIOR TO THE BEGINNING OF ANY CONSTRUCTION, SEDIMENT BARRIERS (SILT FENCE) WILL BE STAKED/INSTALLED ACROSS THE SLOPE(S), ON THE CONTOUR AT OR JUST BELOW THE LIMITS OF CLEARING OR GRUBBING, AND/OR JUST ABOVE ANY ADJACENT PROPERTY LINE OR WATERCOURSE TO PROTECT AGAINST CONSTRUCTION RELATED EROSION. THE PLACEMENT OF SEDIMENT BARRIERS SHALL BE COMPLETED IN ACCORDANCE WITH GUIDELINES ESTABLISHED IN BEST MANAGEMENT PRACTICES AND IN ACCORDANCE WITH THIS EROSION CONTROL PLAN AND DETAILS IN THIS PLAN SET. THIS NETWORK IS TO BE MAINTAINED BY THE CONTRACTOR UNTIL ALL EXPOSED SLOPES HAVE AT LEAST 85%-90% VIGOROUS PERENNIAL VEGETATIVE COVER TO PREVENT EROSION. TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER PERMANENT STABILIZATION IS ATTAINED.

PRIOR TO ANY CLEARING OR GRUBBING, A CONSTRUCTION ENTRANCE/EXIT SHALL BE CONSTRUCTED AT THE INTERSECTION OF THE PROPOSED ENTRANCES AND EXISTING ROADWAY TO AVOID TRACKING OF MUD, DUST AND DEBRIS FROM THE SITE.

PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL PREPARE A DETAILED SCHEDULE AND MARKED UP PLAN INDICATING AREAS AND COMPONENTS OF THE WORK AND KEY DATES SHOWING DATE OF DISTURBANCE AND COMPLETION OF THE WORK. THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE MUNICIPAL STAFF. THREE COPIES OF THE SCHEDULE AND MARKED UP PLAN SHALL BE PROVIDED TO THE MUNICIPALITY THREE DAYS PRIOR TO THE SCHEDULED PRE-CONSTRUCTION MEETING. SPECIAL ATTENTION SHALL BE GIVEN TO THE 14 DAY LIMIT OF DISTURBANCE IN THE SCHEDULE ADDRESSING TEMPORARY AND PERMANENT VEGETATION MEASURES.

CONSTRUCTION AND POST-CONSTRUCTION PHASE

AREAS UNDERGOING ACTUAL CONSTRUCTION SHALL ONLY EXPOSE THAT AMOUNT OF MINERAL SOIL NECESSARY FOR PROGRESSIVE AND EFFICIENT CONSTRUCTION. AN AREA CONSIDERED OPEN IS ANY AREA NOT STABILIZED WITH PAVEMENT, VEGETATION, MULCHING, EROSION CONTROL MATS, RIPRAP OR GRAVEL BASE ON A ROAD. OPEN AREAS SHALL BE ANCHORED WITH TEMPORARY EROSION CONTROL AS SHOWN ON THE DESIGN PLANS AND AS DESCRIBED WITHIN THIS EROSION CONTROL PLAN WITHIN 14-DAYS OF DISTURBANCE. AREAS LOCATED WITHIN 100' OF STREAMS SHALL BE ANCHORED WITH TEMPORARY EROSION CONTROL WITHIN SEVEN (7) DAYS. REFER TO WINTER EROSION CONTROL NOTES FOR THE TREATMENT OF OPEN AREAS AFTER OCTOBER 1ST OF THE CONSTRUCTION YEAR.

THE CONTRACTOR MUST INSTALL ANY ADDED MEASURES WHICH MAY BE NECESSARY TO CONTROL EROSION/SEDIMENTATION FROM THE SITE DEPENDENT UPON THE ACTUAL SITE AND WEATHER CONDITIONS. CONTINUATION OF EARTHWORK OPERATIONS ON ADDITIONAL AREAS SHALL NOT BEGIN UNTIL THE EXPOSED SOIL SURFACE ON THE AREA BEING WORKED HAS BEEN STABILIZED, IN ORDER TO MINIMIZE AREAS WITHOUT EROSION CONTROL PROTECTION.

EROSION CONTROL APPLICATIONS & MEASURES

THE PLACEMENT OF EROSION CONTROL MEASURES SHALL BE COMPLETED IN ACCORDANCE WITH GUIDELINES ESTABLISHED IN BEST MANAGEMENT PRACTICES AND IN ACCORDANCE WITH THE EROSION CONTROL PLAN AND DETAILS IN THE PLAN SET.

1. TEMPORARY MULCHING:

   ALL DISTURBED AREAS SHALL BE MULCHED WITH MATERIALS SPECIFIED BELOW PRIOR TO ANY STORM EVENT. ALL DISTURBED AREAS NOT FINAL GRADED WITHIN 14 DAYS SHALL BE MULCHED. ALSO, AREAS, WHICH HAVE BEEN TEMPORARILY OR PERMANENTLY SEEDED, SHALL BE MULCHED IMMEDIATELY FOLLOWING SEEDING. EROSION CONTROL BLANKETS ARE RECOMMENDED TO BE USED AT THE BASE OF GRASSED WATERWAYS AND ON SLOPES GREATER THAN 15%. MULCH ANCHORING SHOULD BE USED ON SLOPES GREATER THAN 5% AFTER SEPTEMBER 15TH OF THE CONSTRUCTION YEAR (SEE WINTER EROSION CONTROL NOTES).

   TYPES OF MULCH:

   HAY OR STRAW: SHALL BE APPLIED AT A RATE OF 75 LBS/1,000 S.F. (1.5 TONS PER ACRE).

   EROSION CONTROL MIX: SHALL BE PLACED EVENLY AND MUST PROVIDE 100% SOIL COVERAGE. EROSION CONTROL MIX SHALL BE APPLIED SUCH THAT THE THICKNESS ON SLOPES 3:1 OR LESS IS 2 INCHES PLUS 1/2 INCH PER 20 FEET OF SLOPE UP TO 100 FEET. THE THICKNESS ON SLOPES BETWEEN 3:1 AND 2:1 SHALL BE 4 INCHES PLUS 1/2 INCH PER 20 FEET OF SLOPE UP TO 100 FEET. THIS SHALL NOT BE USED ON SLOPES GREATER THAN 2:1.

   EROSION CONTROL BLANKET: SHALL BE INSTALLED SUCH THAT CONTINUOUS CONTACT BETWEEN THE MAT AND THE SOIL IS OBTAINED. INSTALL BLANKETS AND STAPLE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

2. SOIL STOCKPILES:

   STOCKPILES OF SOIL OR SUBSOIL SHALL BE MULCHED WITH HAY OR STRAW AT A RATE OF 75 LBS/1,000 S.F. (1.5 TONS PER ACRE) OR WITH A FOUR-INCH LAYER OF WOOD WASTE EROSION CONTROL MIX. THIS WILL BE DONE WITHIN 24 HOURS OF STOCKING AND RE-ESTABLISHED PRIOR TO ANY RAINFALL. ANY SOIL STOCKPILE WILL NOT BE PLACED (EVEN COVERED WITH HAY OR STRAW) WITHIN 100 FEET FROM ANY NATURAL RESOURCES.

3. NATURAL RESOURCES PROTECTION:

   ANY AREAS WITHIN 100 FEET FROM ANY NATURAL RESOURCES, IF NOT STABILIZED WITH A MINIMUM OF 75% MATURE VEGETATION CATCH, SHALL BE MULCHED USING TEMPORARY MULCHING (AS DESCRIBED IN PART 1. OF THIS SECTION) WITHIN 7 DAYS OF EXPOSURE OR PRIOR TO ANY STORM EVENT. SEDIMENT BARRIERS (AS DESCRIBED IN PART 4. OF THIS SECTION) SHALL BE PLACED BETWEEN ANY NATURAL RESOURCE AND THE DISTURBED AREA. PROJECTS CROSSING THE NATURAL RESOURCE SHALL BE PROTECTED A MINIMUM DISTANCE OF 100 FEET ON EITHER SIDE FROM THE RESOURCE.

4. SEDIMENT BARRIERS:

   PRIOR TO THE BEGINNING OF ANY CONSTRUCTION, SEDIMENT BARRIERS SHALL BE STAKED ACROSS THE SLOPE(S), ON THE CONTOUR AT OR JUST BELOW THE LIMITS OF CLEARING OR GRUBBING, AND/OR JUST ABOVE ANY ADJACENT PROPERTY LINE OR WATERCOURSE TO PROTECT AGAINST CONSTRUCTION RELATED EROSION. SEDIMENT BARRIERS SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL ALL EXPOSED SLOPES HAVE AT LEAST 85%-90% VIGOROUS PERENNIAL VEGETATIVE COVER TO PREVENT EROSION.

   SILT FENCE: SHALL BE INSTALLED PER THE DETAIL ON THE PLANS. THE EFFECTIVE HEIGHT OF THE FENCE SHALL NOT EXCEED 36 INCHES. IT IS RECOMMENDED THAT SILT FENCE BE REMOVED BY CUTTING THE FENCE MATERIALS AT GROUND LEVEL SO AS TO AVOID ADDITIONAL SOIL DISTURBANCE.

   HAY BALES: SHALL BE INSTALLED PER THE DETAIL ON THE PLANS. BALES SHALL BE WIRE-BOUND OR STRING-TIED AND THESE BINDINGS MUST REMAIN PARALLEL WITH THE GROUND SURFACE DURING INSTALLATION TO PREVENT DETERIORATION OF THE BINDINGS. BALES SHALL BE INSTALLED WITHIN A MINIMUM 4 INCH DEEP TRENCH LINE WITH ENDS OF ADJACENT BALES TIGHTLY ABUTTING ONE ANOTHER.

   EROSION CONTROL MIX: SHALL BE INSTALLED PER THE DETAIL ON THE PLANS. THE MIX SHALL CONSIST PRIMARILY OF ORGANIC MATERIAL AND CONTAIN A WELL-GRADED MIXTURE OF PARTICLE SIZES AND MAY CONTAIN ROCKS LESS THAN 4 INCHES IN DIAMETER. THE MIX COMPOSITION SHALL MEET THE STANDARDS DESCRIBED WITHIN THE MDEP BEST MANAGEMENT PRACTICES. NO TRENCHING IS REQUIRED FOR INSTALLATION OF THIS BARRIER.

   CONTINUOUS CONTAINED BERM: SHALL BE INSTALLED PER THE DETAIL ON THE PLANS. THIS SEDIMENT BARRIER IS EROSION CONTROL MIX PLACED WITHIN A SYNTHETIC TUBULAR NETTING AND PERFORMS AS A STURDY SEDIMENT BARRIER THAT WORKS WELL ON HARD GROUND SUCH AS FROZEN CONDITIONS, TRAVELED AREAS OR PAVEMENT. NO TRENCHING IS REQUIRED FOR INSTALLATION OF THIS BARRIER.

5. TEMPORARY CHECK DAMS:

   SHALL BE INSTALLED PER THE DETAIL ON THE PLANS. CHECK DAMS ARE TO BE PLACED WITHIN DITCHES/ SWALES AS SPECIFIED ON THE DESIGN PLANS IMMEDIATELY AFTER FINAL GRADING. CHECK DAMS SHALL BE 2 FEET HIGH. TEMPORARY CHECK DAMS MAY BE REMOVED ONLY AFTER THE ROADWAYS ARE PAVED AND THE VEGETATED SWALE ARE ESTABLISHED WITH AT LEAST 85%-90% OF VIGOROUS PERENNIAL GROWTH. THE AREA BENEATH THE CHECK DAM MUST BE SEEDED AND MULCHED IMMEDIATELY AFTER REMOVAL OF THE CHECK DAM.

   STONE CHECK DAMS: SHOULD BE CONSTRUCTED OF 2 TO 3 INCH STONE AND PLACED SUCH THAT COMPLETE COVERAGE OF THE SWALE IS OBTAINED AND THAT THE CENTER OF THE DAM IS 6 INCHES LOWER THAT THE OUTER EDGES.

   HAY BALE CHECK DAMS: WE DO NOT RECOMMEND THE USE OF HAY BALES AS CHECK DAMS.

   MANUFACTURED CHECK DAMS: MANUFACTURED CHECK DAMS, AS SPECIFIED IN THE DETAIL ON THE PLANS, MAY BE USED IF AUTHORIZED BY THE PROPER LOCAL, STATE OR FEDERAL REGULATING AGENCIES. THESE UNITS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURE'S RECOMMENDATIONS.

6. STORMDRAIN INLET PROTECTION:

   INLET PROTECTION SHALL BE PLACED AROUND A STORMDRAIN DROP INLETTOR CURB INLET PRIOR TO PERMANENT STABILIZATION OF THE IMMEDIATE AND UPSTREAM DISTURBED AREAS. THEY SHALL BE CONSTRUCTED IN A MANNER THAT WILL FACILITATE CLEAN-OUT AND DISPOSAL OF TRAPPED SEDIMENTS AND MINIMIZE INTERFERENCE WITH CONSTRUCTION ACTIVITIES. ANY RESULTANT PONDING OF WATER FROM THE PROTECTION METHOD MUST NOT CAUSE EXCESSIVE INCONVENIENCE OR DAMAGE TO ADJACENT AREAS OR STRUCTURES.

   HAY BALE DROP INLET PROTECTION: WE DO NOT RECOMMEND THE USE OF HAY BALES AS INLET PROTECTION.

   CONCRETE BLOCK AND STONE INLET SEDIMENT FILTER (DROP OR CURB INLET): SHALL BE INSTALLED PER THE DETAIL ON THE PLANS. THE HEIGHT OF THE CONCRETE BLOCK BARRIER CAN VARY BUT MUST BE BETWEEN 12 AND 24 INCHES TALL. A MINIMUM OF 1 INCH CRUSHED STONE SHALL BE USED.

   MANUFACTURED SEDIMENT BARRIERS AND FILTER (DROP OR CURB INLET): MANUFACTURED FILTERS, AS SPECIFIED IN THE DETAIL ON THE PLANS, MAY BE USED IF INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

7. STABILIZED CONSTRUCTION ENTRANCE/EXIT:

   PRIOR TO CLEARING AND/OR GRUBBING THE SITE A STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE CONSTRUCTED WHEREVER TRAFFIC WILL EXIT THE CONSTRUCTION SITE ONTO A PAVED ROADWAY IN ORDER TO MINIMIZE THE TRACKING OF SEDIMENT AND DEBRIS FROM THE CONSTRUCTION SITE ONTO PUBLIC ROADWAYS. THE ENTRANCES AND ADJACENT ROADWAY AREAS SHALL BE PERIODICALLY SWEPT OR WASHED TO FURTHER MINIMIZE THE TRACKING OF MUD, DUST OR DEBRIS FROM THE CONSTRUCTION AREA. STABILIZED CONSTRUCTION EXITS SHALL BE CONSTRUCTED IN AREAS SPECIFIED ON THE PLANS AND AS DETAILED ON THE PLANS.

8. DUST CONTROL:

   DUST CONTROL DURING CONSTRUCTION SHALL BE ACHIEVED BY THE USE OF A WATERING TRUCK TO PERIODICALLY SPRINKLE THE EXPOSED ROADWAY AREAS AS NECESSARY TO REDUCE DUST DURING THE DRY MONTHS. APPLYING OTHER DUST CONTROL PRODUCTS SUCH AS CALCIUM CHLORIDE OR OTHER MANUFACTURED PRODUCTS ARE ALLOWED IF AUTHORIZED BY THE PROPER LOCAL, STATE AND/OR FEDERAL REGULATING AGENCIES. HOWEVER, IT IS THE CONTRACTOR'S ULTIMATE RESPONSIBILITY TO MITIGATE DUST AND SOIL LOSS FROM THE SITE.

9. TEMPORARY VEGETATION:

   TEMPORARY VEGETATION SHALL BE APPLIED TO DISTURBED AREAS THAT WILL NOT RECEIVE FINAL GRADING FOR PERIODS UP TO 12 MONTHS. THIS PROCEDURE SHOULD BE USED EXTENSIVELY IN AREAS ADJACENT TO NATURAL RESOURCES. SEEDBED PREPARATION AND APPLICATION OF SEED SHALL BE CONDUCTED AS INDICATED IN THE PERMANENT VEGETATION SECTION OF THIS NARRATIVE. SPECIFIC SEEDS (FAST GROWING AND SHORT LIVING) SHALL BE SELECTED FROM THE MAINE EROSION AND SEDIMENT CONTROL BMP MANUAL DATED 3/2003 OR LATER. ALTERNATIVE EROSION CONTROL MEASURES SHOULD BE USED IF SEEDING CAN NOT BE DONE BEFORE SEPTEMBER 15TH OF THE CONSTRUCTION YEAR.

10. PERMANENT VEGETATION:

    REVEGETATION MEASURES SHALL COMMENCE IMMEDIATELY UPON COMPLETION OF FINAL GRADING OF AREAS TO BE LOAMED AND SEEDED. THE APPLICATION OF SEED SHALL BE CONDUCTED BETWEEN APRIL 1ST AND OCTOBER 1ST OF THE CONSTRUCTION YEAR. PLEASE REFER TO THE WINTER EROSION CONTROL NOTES FOR MORE DETAIL. REVEGETATION MEASURES SHALL CONSIST OF THE FOLLOWING:

SEEDBED PREPARATION:

A. FOUR (4) INCHES OF LOAM SHALL BE SPREAD OVER DISTURBED AREAS AND SMOOTHED TO A UNIFORM SURFACE. LOAM SHALL BE FREE OF SUBSOIL, CLAY LUMPS, STONES AND OTHER OBJECTS OVER 2 INCHES ON LARGER IN ANY DIMENSION, AND WITHOUT WEEDS, ROOTS OR OTHER OBJECTIONABLE MATERIAL.

B. SOILS TESTS SHALL BE TAKEN AT THE TIME OF SOIL STRIPPING TO DETERMINE FERTILIZATION REQUIREMENTS. SOILS TESTS SHALL BE TAKEN PROMPTLY AS TO NOT INTERFERE WITH THE 14-DAY LIMIT ON SOIL EXPOSURE. BASED UPON TEST RESULTS, SOIL AMENDMENTS SHALL BE INCORPORATED INTO THE SOIL PRIOR TO FINAL SEEDING. IN LIEU OF SOIL TESTS, SOIL AMENDMENTS MAY BE APPLIED AS FOLLOWS:

ITEM	APPLICATION RATE
10-20-20 FERTILIZER (N-P205-K20 OR EQUAL)	18.4 LBS /1,000 S.F.
GROUND LIMESTONE (50% CALCIUM & MAGNESIUM OXIDE)	138 LBS./1,000 S.F.

C. WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH PROPER EQUIPMENT, ROLL THE AREA TO FIRM THE SEEDBED EXCEPT ON CLAY OR SILTY SOILS OR COARSE SAND.

APPLICATION OF SEED:

A. SEEDING: SHALL BE CONDUCTED BETWEEN APRIL 1ST AND OCTOBER 1ST OF THE CONSTRUCTION YEAR. GENERALLY A SEED MIXTURE MAY BE APPLIED AS FOLLOWS: (MDEP SEED MIX 2 IS DISPLAYED)

SEED TYPE	APPLICATION RATE
CREEPING RED FESCUE	0.46 LBS/1,000 S.F., (20 LBS/ACRE)
REDTOP	0.05 LBS/1,000 S.F. (2 LBS/ACRE)
TALL FESCUE	0.46 LBS/1,000 S.F. (20 LBS/ACRE)
TOTAL:	0.97 LBS/1,000 S.F. (42 LBS/ACRE)

NOTE: A SPECIFIC SEED MIXTURE SHOULD BE CHOSEN TO MATCH THE SOILS CONDITION OF THE SITE. VARIOUS AGENCIES CAN RECOMMEND SEED MIXTURES. MDEP RECOMMENDED SEED MIXTURES ARE IN THE EROSION AND SEDIMENT CONTROL BMP MANUAL DATED 3/2003 OR LATER.

B. HYDROSEEDING: SHALL BE CONDUCTED ON PREPARED AREAS WITH SLOPES LESS THAN 2:1. LIME AND FERTILIZER MAY BE APPLIED SIMULTANEOUSLY WITH THE SEED. RECOMMENDED SEEDING RATES MUST BE INCREASED BY 100% WHEN HYDROSEEDING.

C. MULCHING: SHALL COMMENCE IMMEDIATELY AFTER SEED IS APPLIED. REFER TO THE TEMPORARY MULCHING SECTION OF THIS NARRATIVE FOR DETAILS.

SODDING:

FOLLOWING SEEDBED PREPARATION, SOD CAN BE APPLIED IN LIEU OF SEEDING IN AREAS WHERE IMMEDIATE VEGETATION IS MOST BENEFICIAL SUCH AS DITCHES, AROUND STORMWATER DROP INLETS AND AREAS OF AESTHETIC VALUE. SOD SHOULD BE LAID AT RIGHT ANGLES TO THE DIRECTION OF FLOW, STARTING AT THE LOWEST ELEVATION. SOD SHOULD BE ROLLED OR TAMPED DOWN TO EVEN OUT THE JOINTS ONCE LAID DOWN. WHERE FLOW IS PREVALENT THE SOD MUST BE PROPERLY ANCHORED DOWN. IRRIGATE THE SOD IMMEDIATELY AFTER INSTALLATION. IN MOST CASES, SOD CAN BE ESTABLISHED BETWEEN APRIL 1ST AND NOVEMBER 15TH OF THE CONSTRUCTION YEAR, HOWEVER, REFER TO THE WINTER EROSION CONTROL NOTES FOR ANY ACTIVITIES AFTER OCTOBER 1ST.

TRENCH DEWATERING AND TEMPORARY STREAM DIVERSION:

WATER FROM CONSTRUCTION TRENCH DEWATERING OR TEMPORARY STREAM DIVERSION WILL PASS FIRST THROUGH A FILTER BAG OR SECONDARY CONTAINMENT STRUCTURE (E.G. HAY BALE LINED POOL) PRIOR TO DISCHARGE. THE DISCHARGE SITE SHALL BE SELECTED TO AVOID FLOODING AND SEDIMENT DISCHARGES TO A PROTECTED RESOURCE. IN NO CASE SHALL THE FILTER BAG OR CONTAINMENT STRUCTURE BE LOCATED WITHIN 100 FEET OF A PROTECTED NATURAL RESOURCE.

STANDARDS FOR TIMELY STABILIZATION:

STANDARD FOR THE TIMELY STABILIZATION OF DISTURBED SLOPES -- THE CONTRACTOR WILL CONSTRUCT AND STABILIZE STONE-COVERED SLOPES BY NOVEMBER 15. THE CONTRACTOR WILL SEED AND MULCH ALL SLOPES TO BE VEGETATED BY SEPTEMBER 15. THE MDEP WILL CONSIDER ANY AREA HAVING A GRADE GREATER THAN 15% (6.67H:1V) TO BE A SLOPE. IF THE CONTRACTOR FAILS TO STABILIZE ANY SLOPE TO BE VEGETATED BY SEPTEMBER 15, THEN THE CONTRACTOR WILL TAKE ONE OF THE FOLLOWING ACTIONS TO STABILIZE THE SLOPE FOR LATE FALL AND WINTER.

A. STABILIZE THE SOIL WITH TEMPORARY VEGETATION AND EROSION CONTROL MATS -- BY OCTOBER 1 THE CONTRACTOR WILL SEED THE DISTURBED SLOPE WITH WINTER RYE AT A SEEDING RATE OF 3 POUNDS PER 1,000 SQUARE FEET AND APPLY EROSION CONTROL MATS OVER THE MULCHED SLOPE. THE CONTRACTOR WILL MONITOR GROWTH OF THE RYE OVER THE NEXT 30 DAYS. IF THE RYE FAILS TO GROW AT LEAST THREE INCHES OR COVER AT LEAST 75% OF THE DISTURBED SLOPE BY NOVEMBER 1, THEN THE APPLICANT WILL COVER THE SLOPE WITH A LAYER OF WOOD WASTE COMPOST AS DESCRIBED IN ITEM 2(C.) OF THIS STANDARD OR WITH STONE RIPRAP AS DESCRIBED IN ITEM 2(D.) OF THIS STANDARD.

B. STABILIZE THE SLOPE WITH SOD -- THE CONTRACTOR WILL STABILIZE THE DISTURBED SLOPE WITH PROPERLY INSTALLED SOD BY NOVEMBER 15. PROPER INSTALLATION INCLUDES THE APPLICANT PINNING THE SOD ONTO THE SLOPE WITH WIRE PINS, ROLLING THE SOD TO GUARANTEE CONTACT BETWEEN THE SOD AND UNDERLYING SOIL, AND WATERING THE SOD TO PROMOTE ROOT GROWTH INTO THE DISTURBED SOIL. THE APPLICANT WILL NOT USE LATE-SEASON SOD INSTALLATION TO STABILIZE SLOPES HAVING A GRADE GREATER THAN 33% (3H:1V).

C. STABILIZE THE SLOPE WITH WOOD WASTE COMPOST -- THE CONTRACTOR WILL PLACE A SIX-INCH LAYER OF WOOD WASTE COMPOST ON THE SLOPE BY NOVEMBER 15. PRIOR TO PLACING THE WOOD WASTE COMPOST, THE APPLICANT WILL REMOVE ANY SNOW ACCUMULATION ON THE DISTURBED SLOPE. THE APPLICANT WILL NOT USE WOOD WASTE COMPOST TO STABILIZE SLOPES HAVING GRADES GREATER THAN 50% (2H:1V) OR HAVING GROUNDWATER SEEPS ON THE SLOPE FACE.

D. STABILIZE THE SLOPE WITH STONE RIPRAP -- THE CONTRACTOR WILL PLACE A LAYER OF STONE RIPRAP ON THE SLOPE BY NOVEMBER 15. THE APPLICANT WILL HIRE A REGISTERED PROFESSIONAL ENGINEER TO DETERMINE THE STONE SIZE NEEDED FOR STABILITY AND TO DESIGN A FILTER LAYER FOR UNDERNEATH THE RIPRAP.

STANDARD FOR THE TIMELY STABILIZATION OF DISTURBED SOILS -- BY SEPTEMBER 15 THE CONTRACTOR WILL SEED AND MULCH ALL DISTURBED SOILS ON AREAS HAVING A SLOPE LESS THAN 15%. IF THE CONTRACTOR FAILS TO STABILIZE THESE SOILS BY THIS DATE, THEN THE CONTRACTOR WILL TAKE ONE OF THE FOLLOWING ACTIONS TO STABILIZE THE SOIL FOR LATE FALL AND WINTER.:

A. STABILIZE THE SOIL WITH TEMPORARY VEGETATION -- BY OCTOBER 1 THE CONTRACTOR WILL SEED THE DISTURBED SOIL WITH WINTER RYE AT A SEEDING RATE OF 3 POUNDS PER 1000 SQUARE FEET, LIGHTLY MULCH THE SEEDED SOIL WITH HAY OR STRAW AT 75 POUNDS PER 1000 SQUARE FEET, AND ANCHOR THE MULCH WITH PLASTIC NETTING. THE APPLICANT WILL MONITOR GROWTH OF THE RYE OVER THE NEXT 30 DAYS. IF THE RYE FAILS TO GROW AT LEAST THREE INCHES OR COVER AT LEAST 75% OF THE DISTURBED SOIL BEFORE NOVEMBER 15, THEN THE APPLICANT WILL MULCH THE AREA FOR OVER-WINTER PROTECTION AS DESCRIBED IN ITEM 3(C.) OF THIS STANDARD.

B. STABILIZE THE SOIL WITH SOD -- THE APPLICANT WILL STABILIZE THE DISTURBED SOIL WITH PROPERLY INSTALLED SOD BY OCTOBER 1. PROPER INSTALLATION INCLUDES THE APPLICANT PINNING THE SOD ONTO THE SOIL WITH WIRE PINS, ROLLING THE SOD TO GUARANTEE CONTACT BETWEEN THE SOD AND UNDERLYING SOIL, AND WATERING THE SOD TO PROMOTE ROOT GROWTH INTO THE DISTURBED SOIL.

C. STABILIZE THE SOIL WITH MULCH -- BY NOVEMBER 15 THE APPLICANT WILL MULCH THE DISTURBED SOIL BY SPREADING HAY OR STRAW AT A RATE OF AT LEAST 150 POUNDS PER 1000 SQUARE FEET ON THE AREA SO THAT NO SOIL IS VISIBLE THROUGH THE MULCH. PRIOR TO APPLYING THE MULCH, THE APPLICANT WILL REMOVE ANY SNOW ACCUMULATION ON THE DISTURBED AREA. IMMEDIATELY AFTER APPLYING THE MULCH, THE APPLICANT WILL ANCHOR THE MULCH WITH PLASTIC NETTING TO PREVENT WIND FROM MOVING THE MULCH OFF THE DISTURBED SOIL.

CONSTRUCTION SCHEDULE

SITE IMPROVEMENTS WILL MOST LIKELY BEGIN IN MAY DEPENDING UPON FINAL PROJECT APPROVAL. THE FOLLOWING SCHEDULE IS ANTICIPATED FOR THE CONSTRUCTION OF THE SITE IMPROVEMENTS.

SCHEDULE

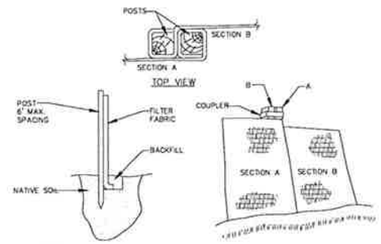
1.	ESTIMATED CONSTRUCTION TIME:	4 MONTHS
*2.	EROSION CONTROL MEASURES PLACED.	WEEK 1 - WEEK 2
3.	SITE CLEARING AND GRUBBING.	WEEK 2 - WEEK 5
4.	CONSTRUCTION OF PARKING SUBBASE FOR ACCESS.	WEEK 5 - WEEK 13
5.	COMMENCE BUILDING CONSTRUCTION.	WEEK 5 - WEEK 16
6.	UTILITY IMPROVEMENTS AND ROADWAY CONSTRUCTION.	WEEK 7 - WEEK 10
7.	MULCH SPREAD FOR EROSION CONTROL.	WEEK 11
8.	START FINAL SEEDING ON PREPARED AREAS. (DURING GROWING SEASON.)	WEEK 12
9.	BIWEEKLY MONITORING OF VEGETATIVE GROWTH.	WEEK 12
**10.	RE-SEEDING OF AREAS, IF NEEDED.	WEEK 14
**11.	REMOVAL OF EROSION CONTROL DEVICES.	UPON FINAL PROJECT COMPLETION

** DATES ARE SUBJECT TO CHANGE AT THE DISCRETION OF THE ENGINEER, DEPENDING ON CONSTRUCTION PROGRESS

INSPECTIONS/MONITORING:

1. MAINTENANCE MEASURES SHALL BE APPLIED AS NEEDED DURING THE ENTIRE CONSTRUCTION CYCLE. AFTER EACH RAINFALL, SNOW STORM OR PERIOD OF THAWING AND RUNOFF, OR AT LEAST EVERY SEVEN (7) DAYS, THE CONTRACTOR SHALL PERFORM A VISUAL INSPECTION OF ALL INSTALLED EROSION CONTROL MEASURES. THE CONTRACTOR SHALL PERFORM REPAIRS AS NEEDED TO ALLOW CONTINUED PROPER FUNCTIONING OF THE EROSION CONTROL MEASURE. THE CONTRACTOR SHALL PROVIDE THE NECESSARY REGULATING AGENCIES WITH WRITTEN DOCUMENTATION DESCRIBING DATES OF INSPECTIONS AND NECESSARY FOLLOW-UP WORK TO MAINTAIN EROSION CONTROL MEASURES MEETING THE REQUIREMENTS OF THIS PLAN.

2. FOLLOWING THE TEMPORARY AND/OR FINAL SEEDINGS, THE CONTRACTOR SHALL INSPECT THE WORK AREA SEMI-MONTHLY UNTIL THE SEEDINGS HAVE BEEN ESTABLISHED. ESTABLISHED MEANS A MINIMUM OF 85%-90% OF AREAS VEGETATED WITH VIGOROUS GROWTH. RESEEDING SHALL BE CARRIED OUT BY THE CONTRACTOR WITH FOLLOW-UP INSPECTIONS IN THE EVENT OF ANY FAILURES UNTIL VEGETATION IS ADEQUATELY ESTABLISHED.



INSTALLATION:

1. EXCAVATE A 6"x 6" TRENCH ALONG THE LINE OF PLACEMENT FOR THE FILTER BARRIER.
2. UNROLL A SECTION AT A TIME AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM) WALL OF THE TRENCH.
3. DRIVE POSTS INTO THE GROUND UNTIL APPROXIMATELY 2" OF FABRIC IS LYING ON THE TRENCH BOTTOM.
4. LAY THE TOE-IN FLAP OF FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH. BACKFILL THE TRENCH AND TAMP THE SOIL. TOE-IN CAN ALSO BE ACCOMPLISHED BY LAYING THE FABRIC FLAP ON UNDISTURBED GROUND AND PILING AND TAMPING FILL AT THE BASE, BUT MUST BE ACCOMPANIED BY AN INTERCEPTION DITCH.
5. JOIN SECTION AS SHOWN ABOVE.
6. BARRIER SHALL BE MIRAFI SILT FENCE OR EQUAL.

FILTER BARRIER
NOT TO SCALE

Bowdoin

Bowdoin College

Roux Center for the Environment

Number	Revision	Date

100% SCHEMATIC DESIGN

Cambridge Seven Associates, Inc.

Architects and Planners
1050 Massachusetts Avenue
Cambridge, MA 02138
617 492-7000 Fax 492-7007

Job # 11001

Project Roux Center for the Environment

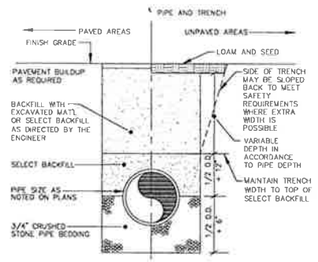
Drawn ByKSM Checked KSM

Date 08/04/16

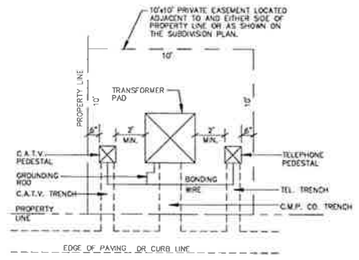
Scale 1"=30'

Drawing Title
DETAILS

C6

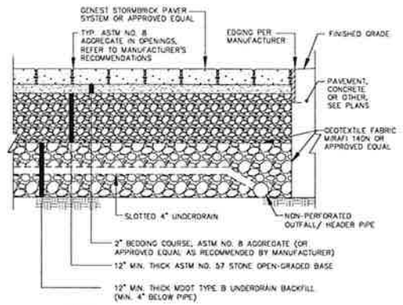


TYPICAL TRENCH SECTION
NOT TO SCALE



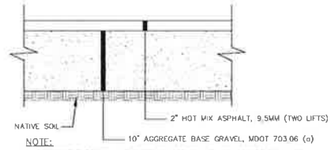
NOTE:
TRANSFORMER PAD AND COVER TO BE FIBERGLASS MEETING CENTRAL MAINE POWER SPECIFICATIONS.

TRANSFORMER DETAIL
NOT TO SCALE



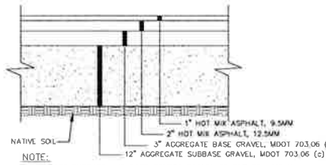
NOTES:
1. PAVERS SHALL BE "STORMWATER BRICK" PERMEABLE INTERLOCKING CONCRETE PAVERS 4"x8"x3-1/8" BY GENEST CONCRETE OR APPROVED EQUAL.
2. SEE SPECS. FOR PAVER COLOR, INSTALLATION PATTERN AND LOCATION
3. THE SAND LAYER SHALL BE MINERAL SOIL WITH BETWEEN 4% AND 7% FINES PASSING THE #200 SIEVE.
4. BRING TO SUBGRADE AS REQUIRED WITH COMMON BORROW. COMPACT SUBGRADE TO 95% OF MODIFIED PROCTOR (ASTM D-1557). REFER TO GEOTECHNICAL REPORT.

PERMEABLE PAVER BAND SECTION
NOT TO SCALE



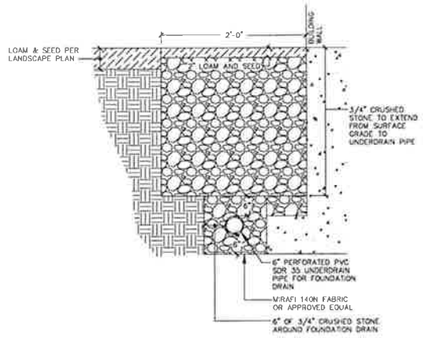
NOTE:
1. COMPACT SUBBASE AND BASE COURSE GRAVEL TO 95% OF MAXIMUM DENSITY.

TYPICAL BITUMINOUS SIDEWALK
NOT TO SCALE



NOTE:
1. COMPACT SUBBASE AND BASE COURSE GRAVEL TO 95% OF MAXIMUM DENSITY.

TYPICAL BITUMINOUS PAVING
NOT TO SCALE



ROOF DRIP EDGE
NOT TO SCALE

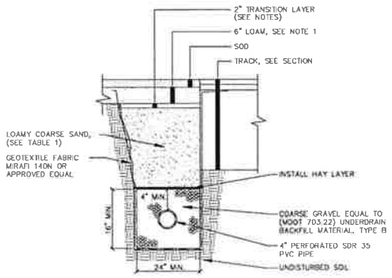


TABLE 1

LOAMY COARSE SAND LAYER	
SIEVE SIZE	% PASSING BY WEIGHT
#10	85-100
#20	70-100
#60	15-50
#200	0-15

NOTE: SUPERHUMUS OR EQUIVALENT.

PERFORATED UNDERDRAIN TRENCH SECTION
NOT TO SCALE

UNDERDRAINED SOIL FILTER CONSTRUCTION OVERSIGHT
THE APPLICANT WILL RETAIN THE SERVICES OF A PROFESSIONAL ENGINEER TO INSPECT THE CONSTRUCTION AND STABILIZATION OF THE UNDERDRAIN. IF NECESSARY, THE INSPECTING ENGINEER WILL INTERPRET THE UNDERDRAIN'S CONSTRUCTION PLAN FOR THE CONTRACTOR. ONCE ALL STORMWATER MANAGEMENT STRUCTURES ARE CONSTRUCTED AND STABILIZED, THE INSPECTING ENGINEER WILL NOTIFY THE DEPARTMENT IN WRITING WITHIN 30 DAYS TO STATE THAT THE POND HAS BEEN COMPLETED. ACCOMPANYING THE ENGINEER'S NOTIFICATION MUST BE A LOG OF THE ENGINEER'S INSPECTIONS GIVING THE DATE OF EACH INSPECTION, THE TIME OF EACH INSPECTION, AND THE ITEMS INSPECTED ON EACH VISIT, AND INCLUDE ANY TESTING DATA OR SIEVE ANALYSIS DATA OF EVERY MINERAL SOIL AND SOIL MEDIA SPECIFIED IN THE PLANS AND USED ON SITE.

1. CONSTRUCTION SEQUENCE: THE UNDERDRAIN AND VEGETATION MUST NOT BE INSTALLED UNTIL THE AREA THAT DRAINS TO THE UNDERDRAIN HAS BEEN PERMANENTLY STABILIZED WITH PAVEMENT OR OTHER STRUCTURE, 90% VEGETATION COVER, OR OTHER PERMANENT STABILIZATION UNLESS THE RUNOFF FROM THE CONTRIBUTING DRAINAGE AREA IS DIVERTED AROUND THE FILTER UNTIL STABILIZATION IS COMPLETED.
2. COMPACTION OF UNDERDRAIN: UNDERDRAIN BEDDING MATERIAL MUST BE COMPACTED TO BETWEEN 90% AND 92% STANDARD PROCTOR. THE BED SHOULD BE INSTALLED IN AT LEAST 2 LIFTS OF 9 INCHES TO PREVENT POCKETS OF LOOSE MEDIA.
3. CONSTRUCTION OVERSIGHT: INSPECTION BY A PROFESSIONAL ENGINEER WILL OCCUR AT A MINIMUM:
   A. FOR FIRST UNDERDRAIN CONSTUCTED, AFTER UNDERDRAIN PIPE IS INSTALLED AT GRADE AND BUT NOT BACKFILLED.
   B. AFTER THE UNDERDRAIN PIPE IS COMPLETELY BACKFILLED AND BEFORE PLACEMENT OF LOAMY COARSE SAND LAYER.
   C. AFTER THE LOAMY COARSE SAND LAYER AND SOD/ LOAM HAS BEEN INSTALLED.
   D. AFTER ONE YEAR TO INSPECT HEALTH OF THE VEGETATION AND MAKE CORRECTIONS.
   E. ALL MATERIAL USED FOR THE CONSTRUCTION OF THE UNDERDRAIN MUST BE CONFIRMED AS SUITABLE BY THE DESIGN ENGINEER. TESTING MUST BE DONE BY A CERTIFIED LABORATORY.

TESTING AND SUBMITTALS
1. THE UNDERDRAIN SHALL CONSIST OF THE TOP THREE LAYERS IDENTIFIED AS LOAMY TOPSOIL, 2" TRANSITION AND 12" LOAMY COARSE SAND. THE CONTRACTOR SHALL IDENTIFY THE LOCATION OF THE SOURCE FOR EACH COMPONENT OF THE UNDERDRAIN AND SUBMIT GRADATIONS FOR THE UNDERDRAIN MATERIALS TO THE ENGINEER FOR APPROVAL. SAMPLES MUST BE A COMPOSITE OF THREE DIFFERENT LOCATIONS (GRABS) FROM THE STOCKPILE OR PIT FACE. SAMPLE SIZE REQUIRED WILL BE DETERMINED BY THE TESTING LABORATORY.

UNDERDRAIN MATERIAL NOTES
1. ONSITE LOAM SHALL BE SCREENED FOR STONES LARGER THAN 1 INCH AND BE TESTED TO VERIFY THERE IS LESS THAN 2% CLAY CONTENT AND 5-8% ORGANIC MATTER. IF ONSITE LOAM DOES NOT MEET REQUIREMENTS, THEN LOAM FROM OFFSITE SHALL BE A NON-CLAYEY, LOAMY TOPSOIL SUCH AS A USDA SANDY LOAM TOPSOIL WITH 5-8% HUMIFIED ORGANIC MATTER AND 3-10% CLAY CONTENT.
2. 2" TRANSITION LAYER OF THE LOAM/SOD LAYER SHALL BE ROTOTILLED INTO THE LOAMY COARSE SAND LAYER BELOW.
3. THE LOAMY COARSE SAND LAYER SHALL BE TESTED IN ACCORDANCE WITH THE TESTING AND SUBMITTALS NOTES ABOVE.
4. A LAYER OF HAY SHALL BE PLACED BETWEEN 12" LOAMY COARSE LAYER AND UNDERDRAIN STONE BEDDING TO PREVENT SUBSIDENCE OR PLUGGING OF THE SAND/GRAVEL/STONE LAYER AND/OR PIPE
5. UNDERDRAIN STONE BEDDING MATERIAL MUST CONFORM TO THE MDOT SPECIFICATION 703.22 UNDERDRAIN TYPE B FOR UNDERDRAIN BACKFILL MATERIAL. THE BEDDING MATERIAL MUST HAVE NO MORE THAN 5% PASSING THE 200 SIEVE.
6. MATERIAL LAYERS ABOVE THE UNDERDRAIN BACKFILL LAYER SHALL BE A UNIFORM MIX, FREE OF STONES, STUMPS, ROOTS, OR OTHER SIMILAR OBJECTS LARGER THAN TWO INCHES. NO OTHER MATERIALS OR SUBSTANCES THAT MAY BE HARMFUL TO PLANT GROWTH, OR PROVE A HINDRANCE TO THE PLANTING OR MAINTENANCE OPERATIONS CAN BE MIXED WITHIN THE FILTER. DURING CONSTRUCTION, CARE SHOULD BE TAKEN TO AVOID COMPACTION OF BOTH THE GRAVEL AND SOIL FILTER.
7. OVER COMPACTION OF UNDERDRAIN MATERIAL SHALL BE AVOIDED. IF OVER COMPACTION OCCURS, ROTOTILL AGAIN PRIOR TO SEEDING OR SODDING.

UNDERDRAIN NOTES

Bowdoin

Bowdoin College

Roux Center for the Environment

Number	Revision	Date

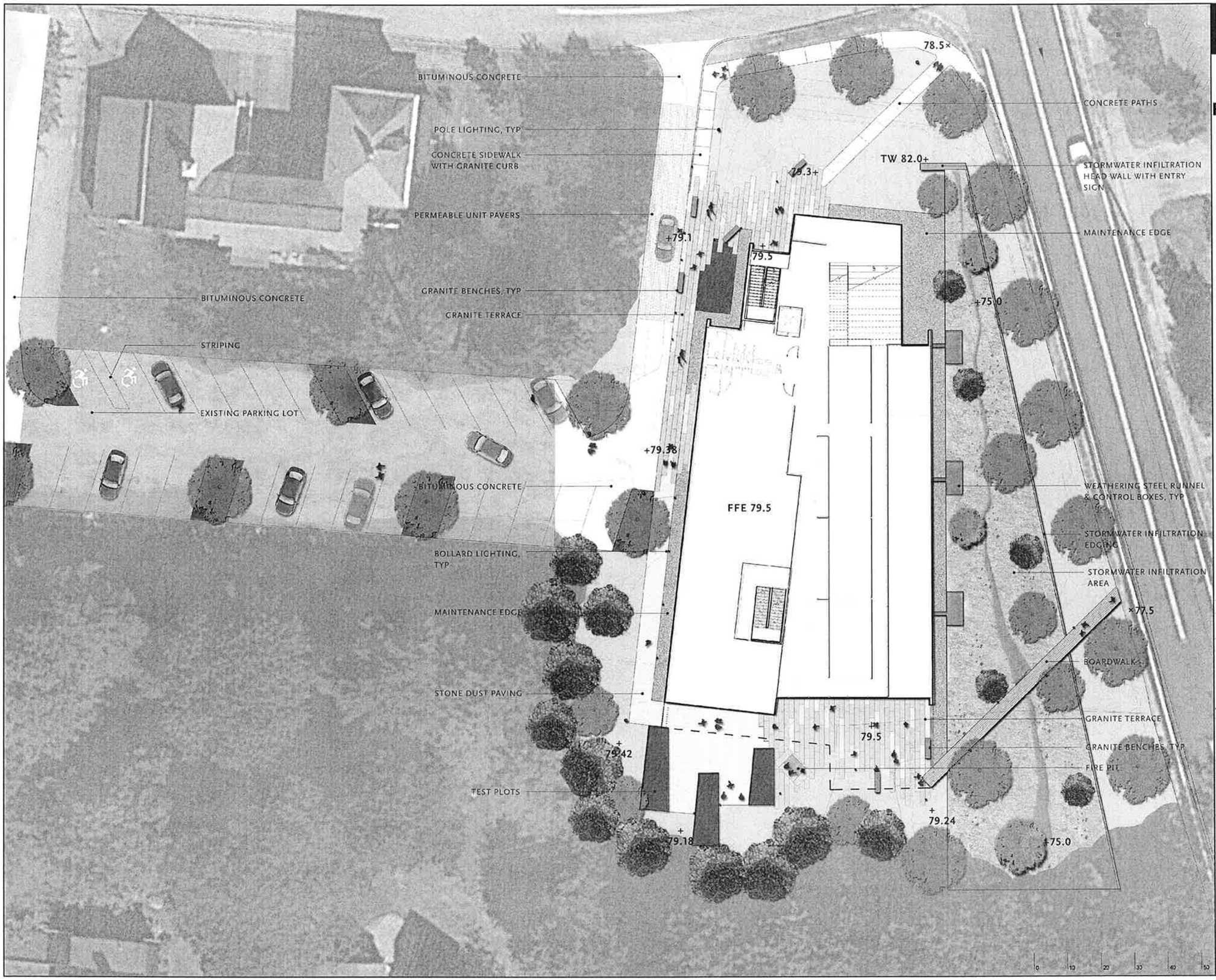
100% SCHEMATIC DESIGN

Cambridge Seven Associates, Inc.
Architects and Planners
1050 Massachusetts Avenue
Cambridge, MA 02138
617 492-7000 Fax 492-7007

Job #	11001
Project	Roux Center for the Environment
Drawn By	KSM
Checked	KSM
Date	08/04/15
Scale	1"=30'

Drawing Title
DETAILS

C7



7/22/2016 4:24:28 PM

Bowdoin

Bowdoin College

Roux Center for the Environment

100% SCHEMATIC DESIGN

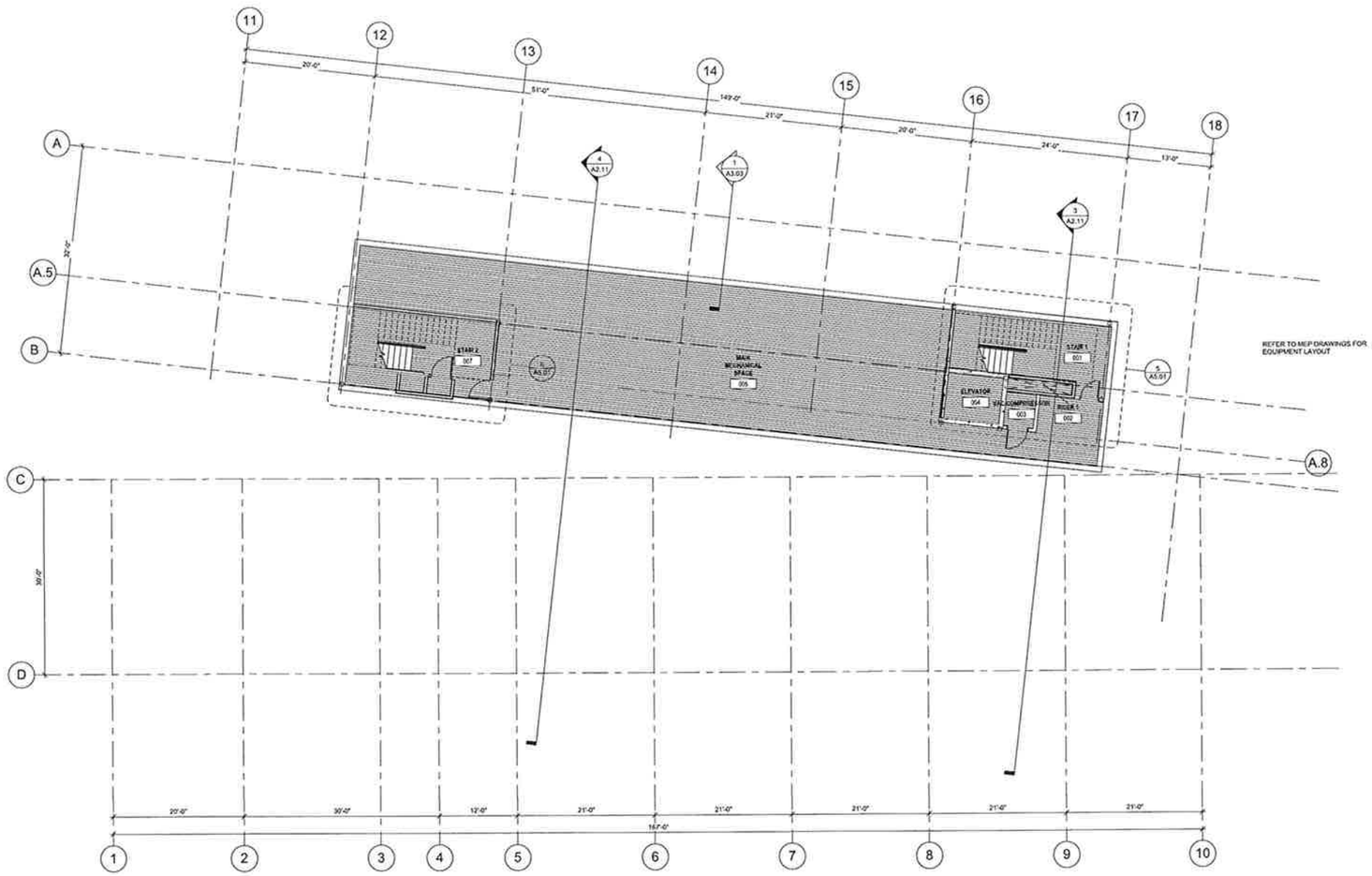
Cambridge Seven Associates, Inc.

Architects and Planners
1050 Massachusetts Avenue
Cambridge, MA 02138
617 491-7500 Fax 497-7507

Job #	1320
Project	Roux Center for the Environment
Drawn By	CM
Checked	LS
Date	08/05/16
Scale	1"=10'-0"

SITE PLAN

L1.0



1 LOWER LEVEL
1/8" = 1'-0"

10/11/2016 10:51:49 AM

Bowdoin

Bowdoin College

Roux Center for the Environment

100% SCHEMATIC DESIGN

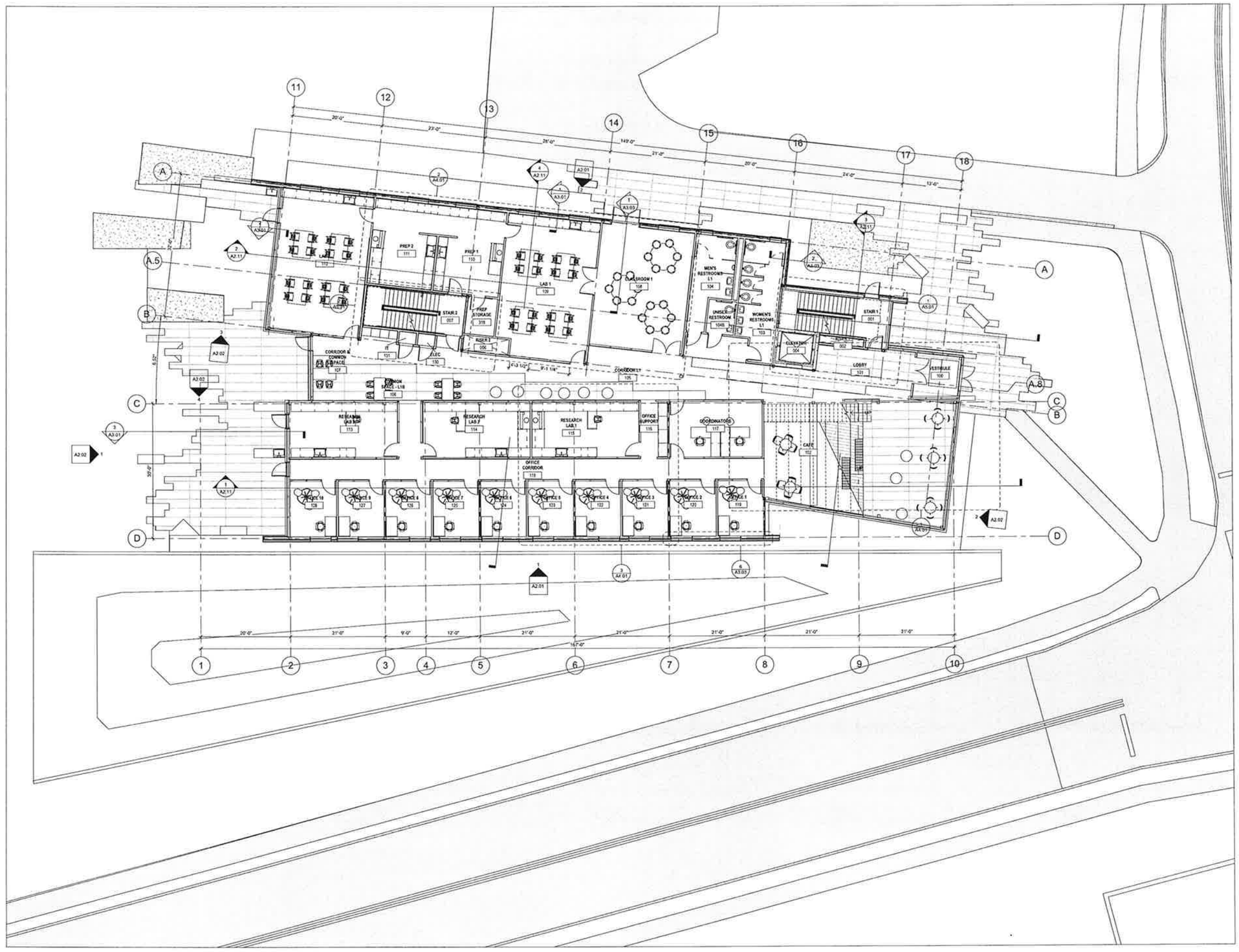
Cambridge Seven Associates, Inc.

Architects and Planners
1050 Massachusetts Avenue
Cambridge, MA 02138
617 492-7000 Fax 492-7007

	1603
	Roux Center for the Environment
	SS TM
	10/11/16
	1/8" = 1'-0"

LOWER LEVEL PLAN

A1.00



1 LEVEL 1
1/8" = 1'-0"

10/11/2016 10:51:52 AM

Bowdoin

Bowdoin College

Roux Center for the Environment

100% SCHEMATIC DESIGN

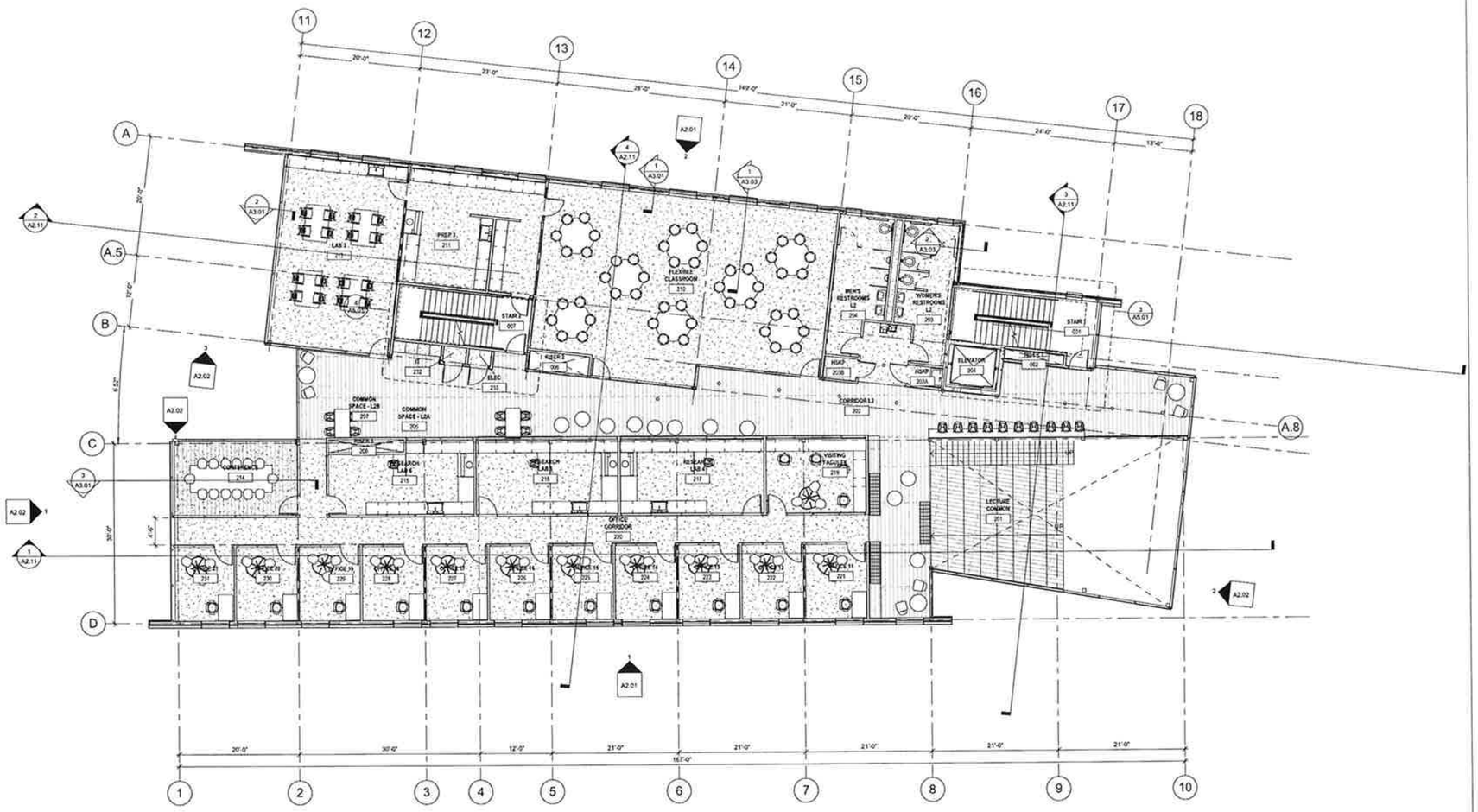
Cambridge Seven Associates, Inc.

Architects and Planners
1050 Massachusetts Avenue
Cambridge, MA 02138
617 492-7000 Fax 492-7007

	1603
	Roux Center for the Environment
	CM TM
	10/11/16
	1/8" = 1'-0"

FIRST FLOOR PLAN

A1.01



1 LEVEL 2
1/8" = 1'-0"

10/11/2016 10:51:54 AM

Bowdoin

Bowdoin College

Roux Center for the Environment

100% SCHEMATIC DESIGN

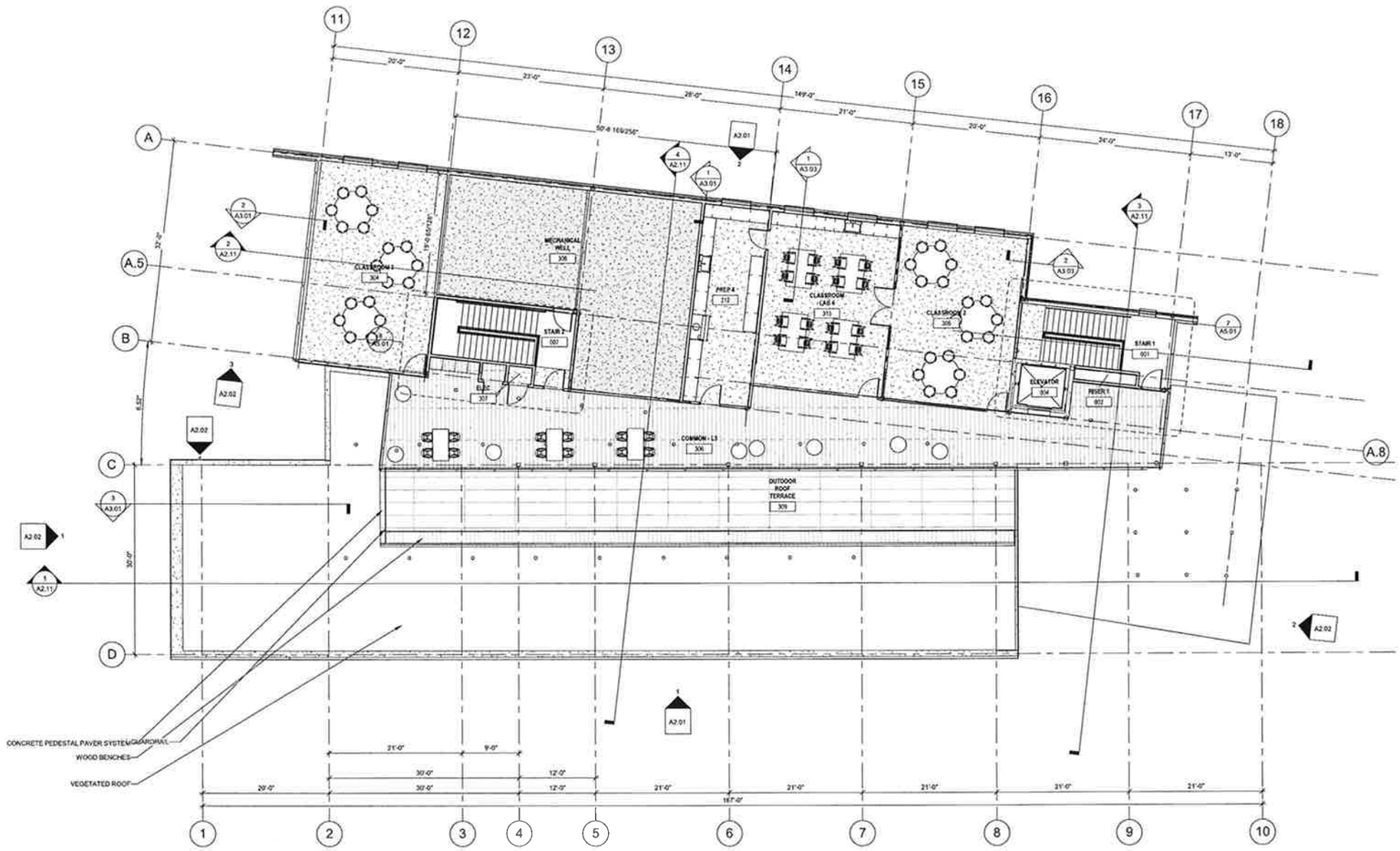
Cambridge Seven Associates, Inc.

Architects and Planners
1050 Massachusetts Avenue
Cambridge, MA 02138
617 492-7000 Fax 492-7007

	1603
	Roux Center for the Environment
	SS TM
	10/11/16
	1/8" = 1'-0"

SECOND FLOOR PLAN

A1.02



1 LEVEL 3
1/8" = 1'-0"

10/11/2016 10:51:56 AM

Bowdoin

Bowdoin College

Roux Center for the Environment

100% SCHEMATIC DESIGN

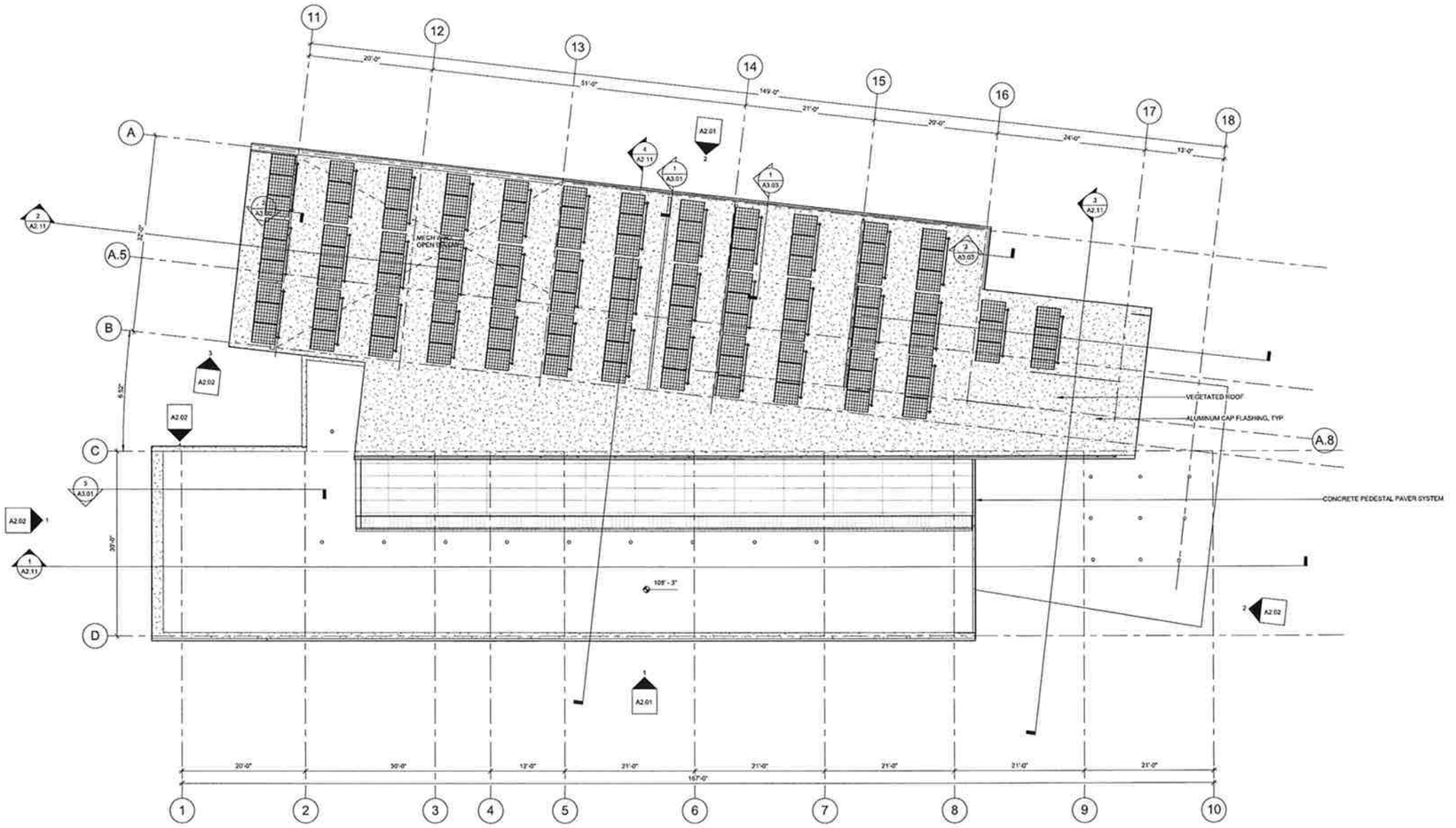
Cambridge Seven Associates, Inc.

Architects and Planners
1050 Massachusetts Avenue
Cambridge, MA 02138
617 492-7000 Fax 492-7007

	1603
	Roux Center for the Environment
	SS TM
	10/11/16
	1/8" = 1'-0"

THIRD FLOOR PLAN

A1.03



1 ROOF PLAN
1/8" = 1'-0"

10/11/2016 10:51:57 AM

Bowdoin

Bowdoin College

Roux Center for the Environment

100% SCHEMATIC DESIGN

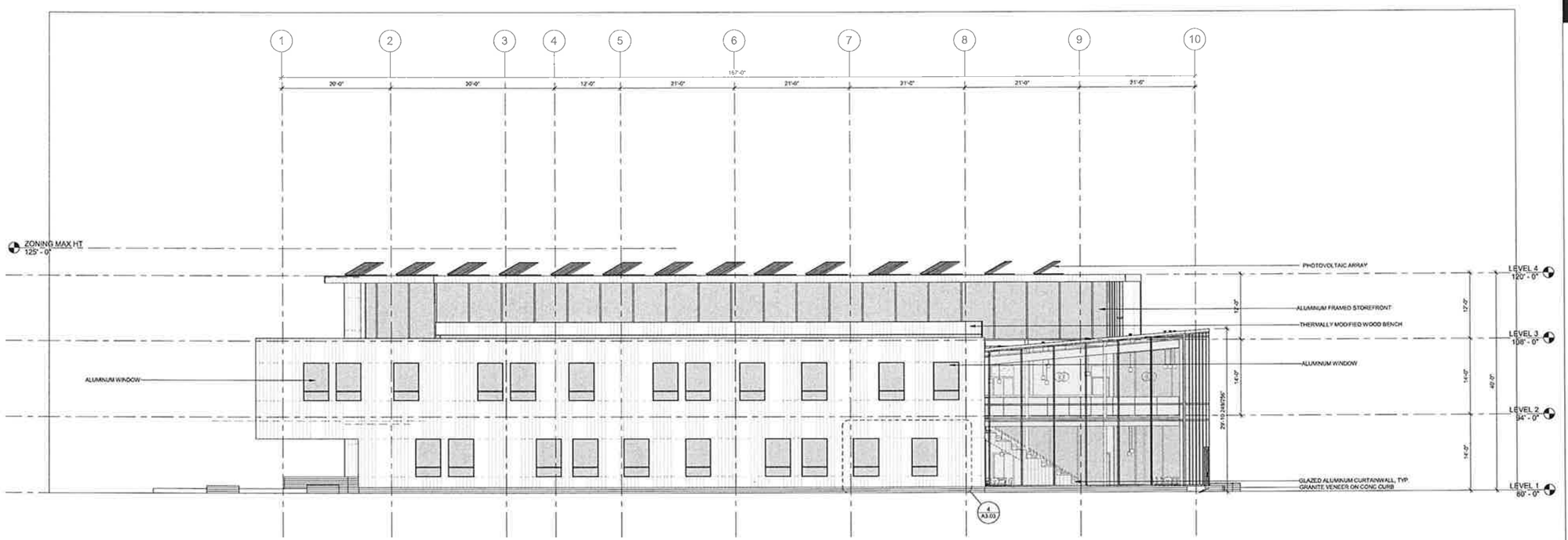
Cambridge Seven Associates, Inc.

Architects and Planners
1050 Massachusetts Avenue
Cambridge, MA 02138
617 492-7000 Fax 492-7097

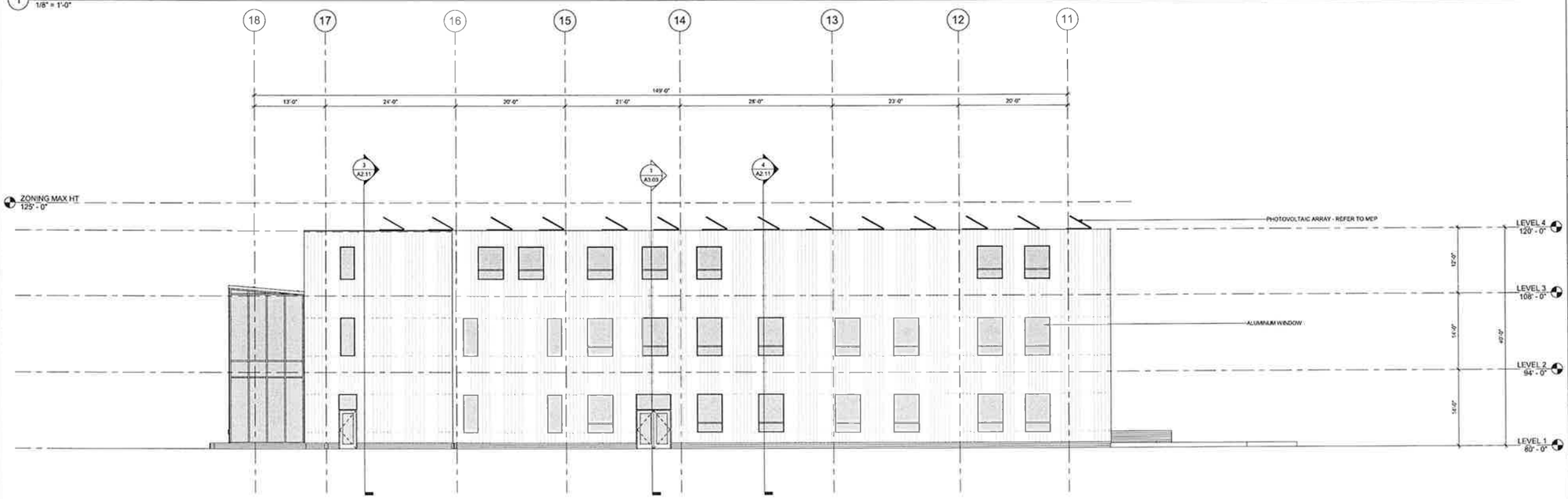
	1603
	Roux Center for the Environment
	SS TM
	10/11/16
	1/8" = 1'-0"

ROOF PLAN

A1.04



1 ELEVATION - EAST
1/8" = 1'-0"



2 ELEVATION - WEST
1/8" = 1'-0"

10/11/2016 10:52:09 AM

Bowdoin

Bowdoin College

Roux Center for the Environment

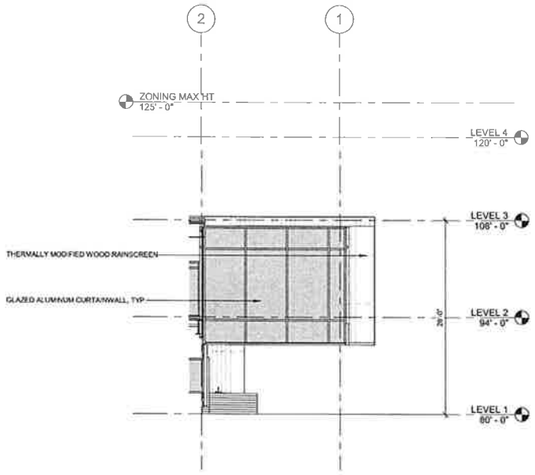
100% SCHEMATIC DESIGN

Cambridge Seven Associates, Inc.
Architects and Planners
1050 Massachusetts Avenue
Cambridge, MA 02138
617 492-7000 Fax 492-7997

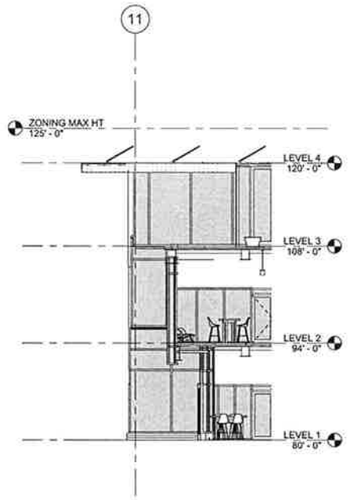
1603
Roux Center for the Environment
SS TM
10/11/16
1/8" = 1'-0"

EXTERIOR ELEVATIONS

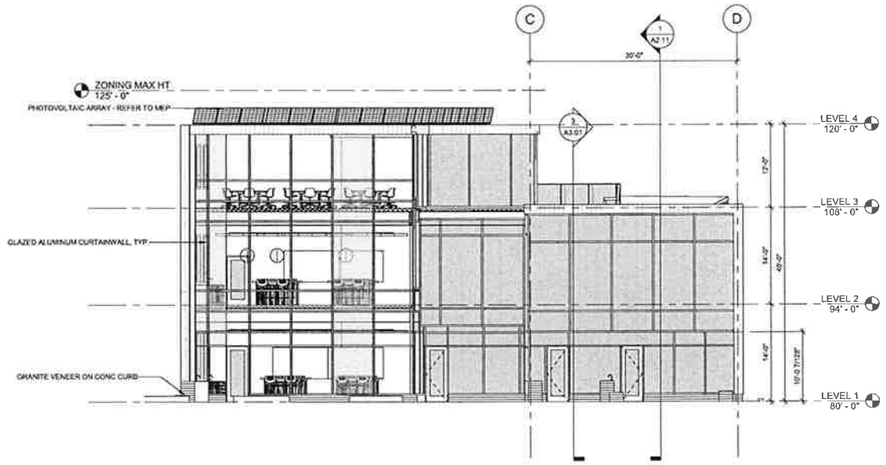
A2.01



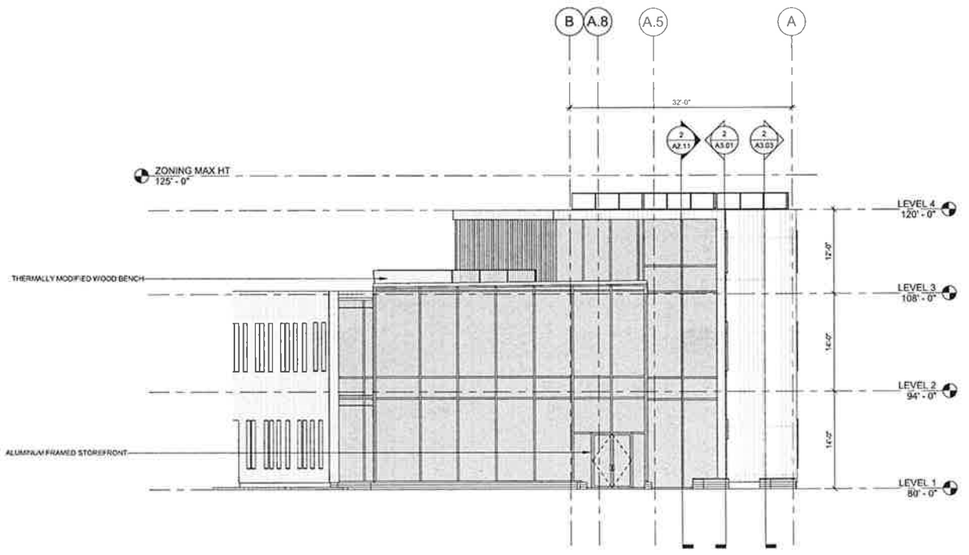
4 PARTIAL ELEVATION - WEST COURTYARD
1/8" = 1'-0"



3 PARTIAL ELEVATION - EAST COURTYARD
1/8" = 1'-0"



1 ELEVATION - SOUTH
1/8" = 1'-0"



2 ELEVATION - NORTH
1/8" = 1'-0"

10/11/2016 10:52:24 AM

Bowdoin

Bowdoin College

Roux Center for the Environment

100% SCHEMATIC DESIGN

Cambridge Seven Associates, Inc.
Architects and Planners
1050 Massachusetts Avenue
Cambridge, MA 02138
617 492-7000 Fax 492-7007

1603

Roux Center for the Environment

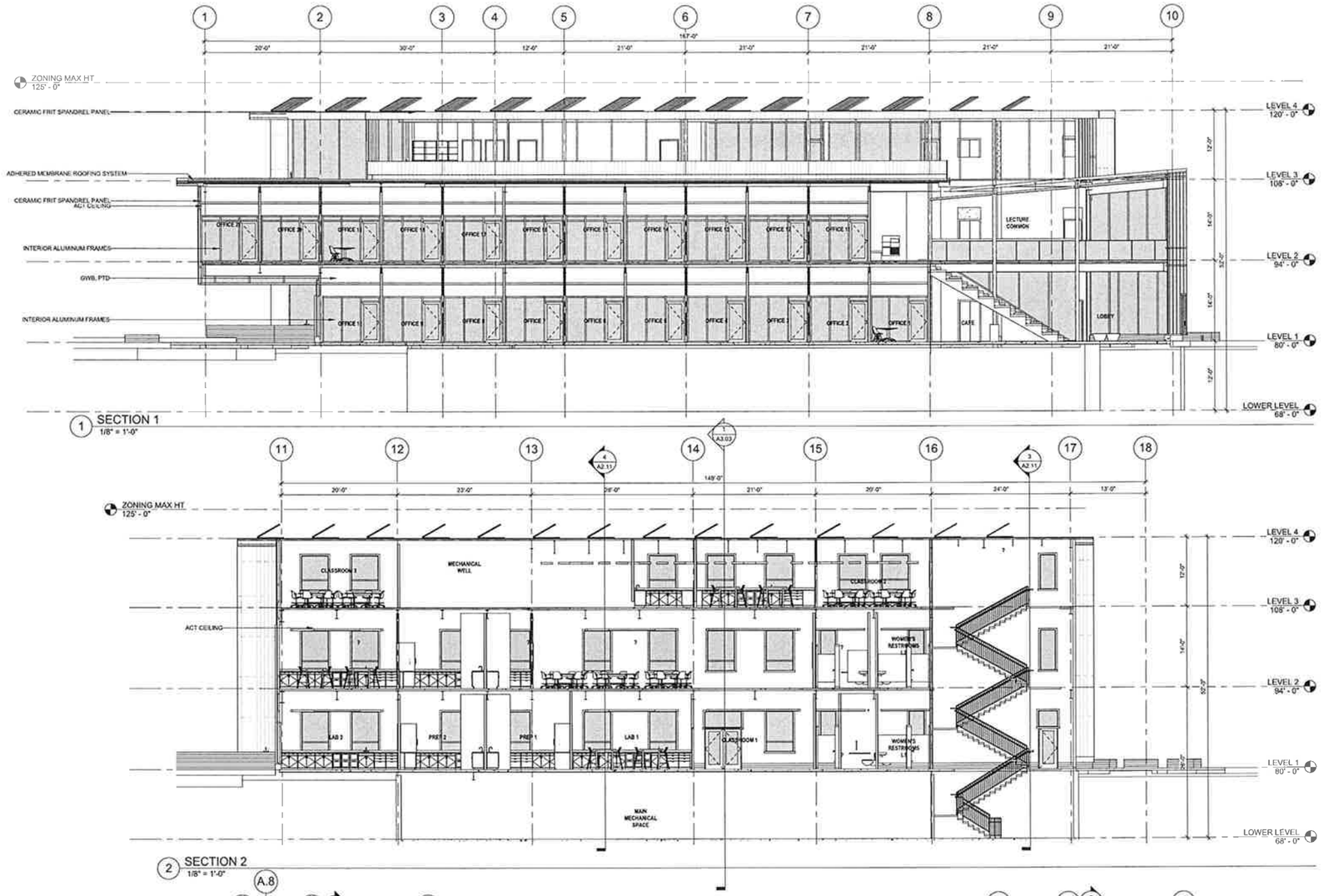
CM TM

10/11/16

1/8" = 1'-0"

EXTERIOR ELEVATIONS

A2.02



Bowdoin

Bowdoin College

Roux Center for the Environment

100% SCHEMATIC DESIGN

Cambridge Seven Associates, Inc.

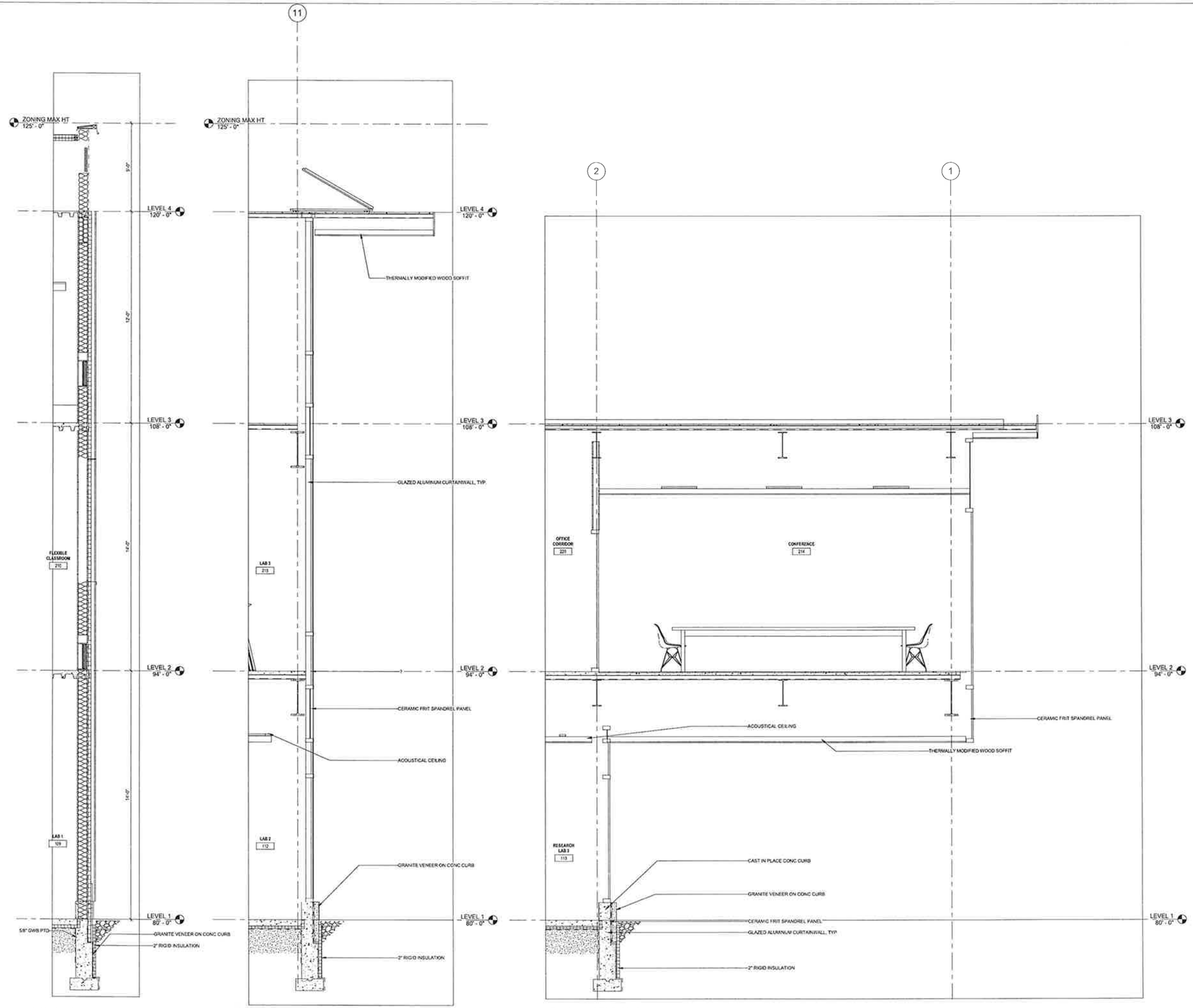
Architects and Planners
1050 Massachusetts Avenue
Cambridge, MA 02138
617.492.7000 Fax 492-7007

	1603
	Roux Center for the Environment
	CM TM
	10/11/16
	1/8" = 1'-0"

BUILDING SECTION/ELEVATIONS

A2.11

10/11/2016 10:52:43 AM



1 WALL SECTION 1
1/2" = 1'-0"

2 WALL SECTION 2
1/2" = 1'-0"

3 WALL SECTION 3
1/2" = 1'-0"

10/11/2016 10:52:44 AM

Bowdoin

Bowdoin College

Roux Center for the Environment

100% SCHEMATIC DESIGN

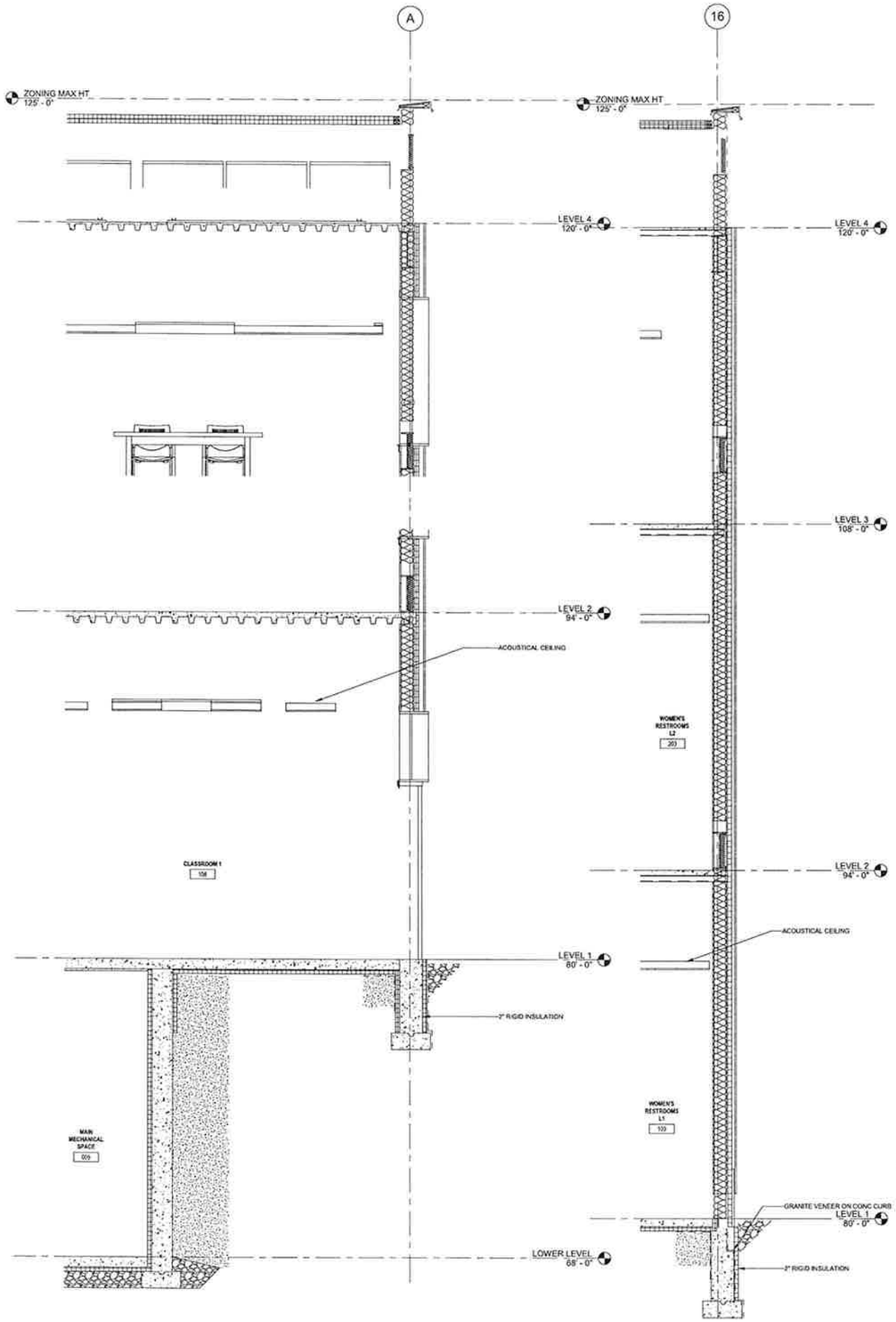
Cambridge Seven Associates, Inc.

Architects and Planners
1050 Massachusetts Avenue
Cambridge, MA 02138
617 492-7000 Fax 492-7997

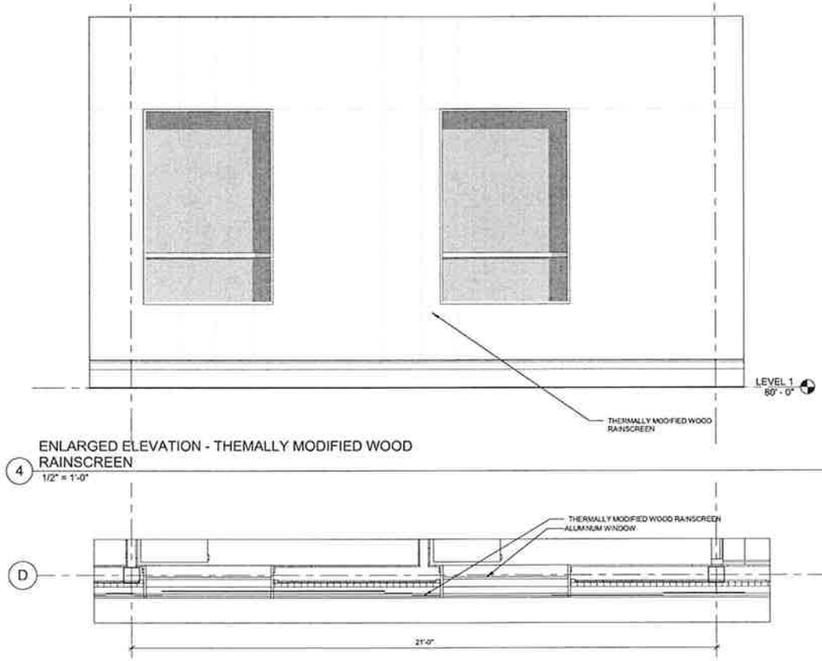
1603	
Roux Center for the Environment	
JS	TM
10/11/16	
1/2" = 1'-0"	

TYPICAL WALL SECTIONS

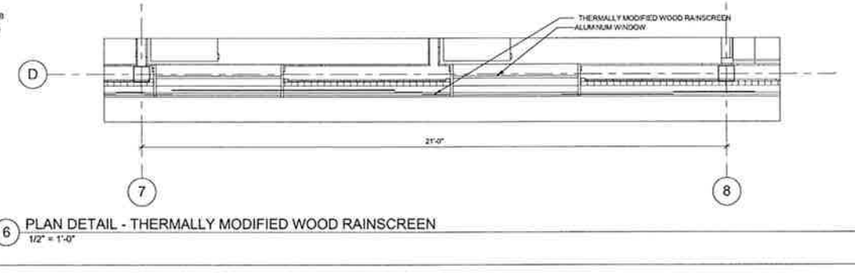
A3.01



1 WALL SECTION 4
1/2" = 1'-0"



4 ENLARGED ELEVATION - THEMALLY MODIFIED WOOD RAINSCREEN
1/2" = 1'-0"



2 WALL SECTION 5
1/2" = 1'-0"

6 PLAN DETAIL - THERMALLY MODIFIED WOOD RAINSCREEN
1/2" = 1'-0"

10/11/2016 10:52:55 AM

Bowdoin

Bowdoin College

Roux Center for the Environment

100% SCHEMATIC DESIGN

Cambridge Seven Associates, Inc.
Architects and Planners
1050 Massachusetts Avenue
Cambridge, MA 02138
617 492-7000 Fax 492-7007

1603

Roux Center for the Environment

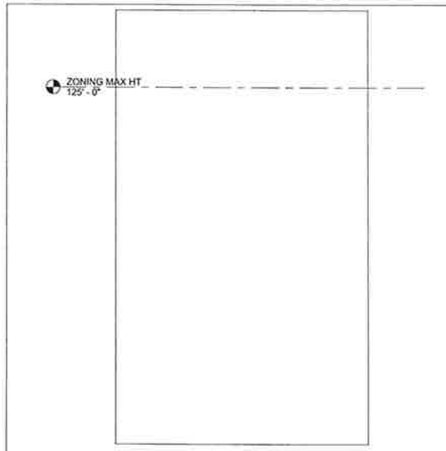
CM TM

10/11/16

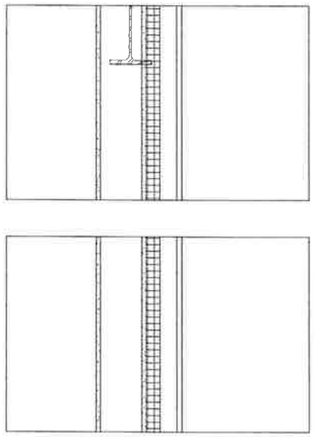
1/2" = 1'-0"

TYPICAL WALL SECTIONS & PLANS

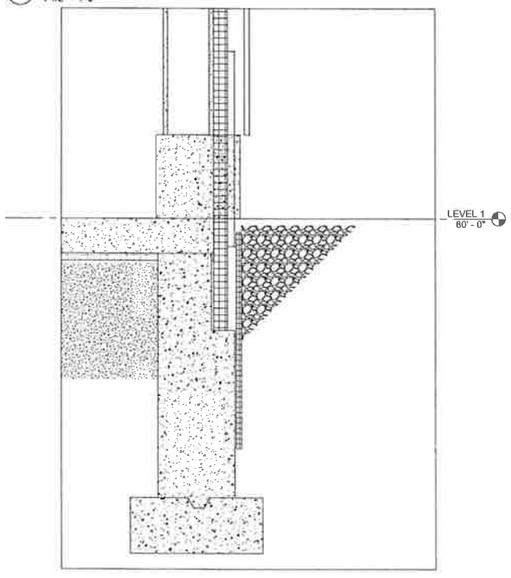
A3.03



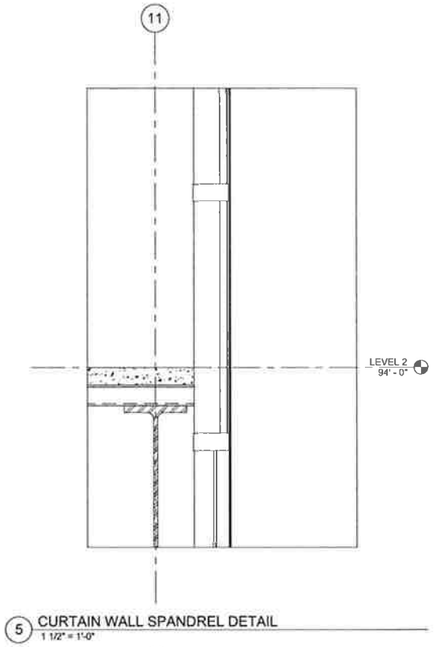
3 ROOF PARAPET @ RAINSCREEN
1 1/2" = 1'-0"



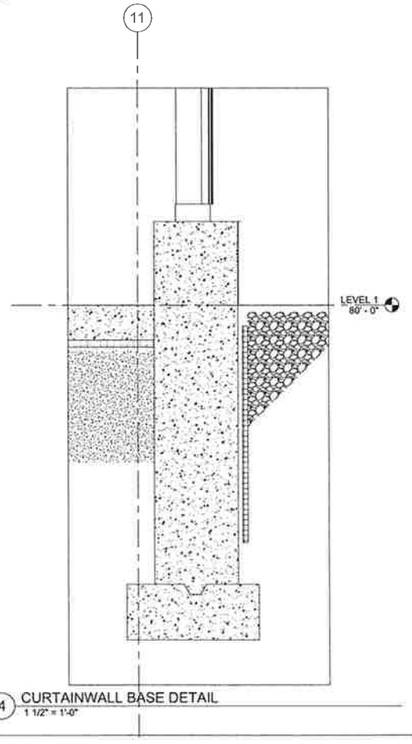
2 WINDOW OPENING @ RAINSCREEN
1 1/2" = 1'-0"



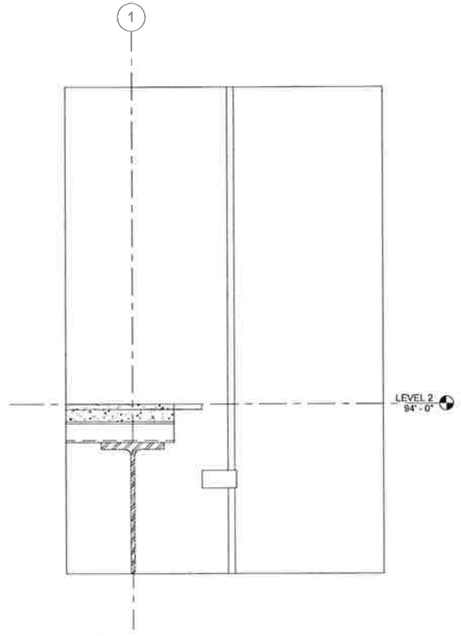
1 BASE DETAIL @ RAINSCREEN
1 1/2" = 1'-0"



5 CURTAIN WALL SPANDREL DETAIL
1 1/2" = 1'-0"



4 CURTAINWALL BASE DETAIL
1 1/2" = 1'-0"



6 DETAIL @ CANTILEVER EDGE
1 1/2" = 1'-0"

10/11/2016 10:52:56 AM

Bowdoin

Bowdoin College

Roux Center for the Environment

100% SCHEMATIC DESIGN

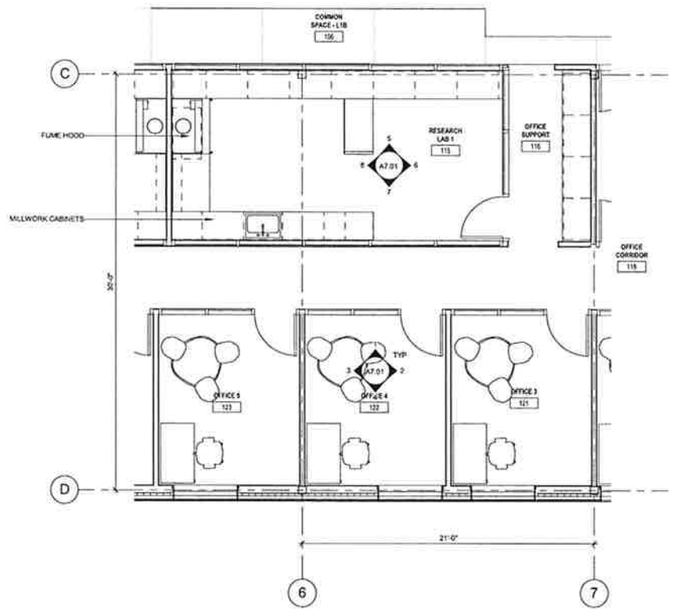
Cambridge Seven Associates, Inc.

Architects and Planners
1050 Massachusetts Avenue
Cambridge, MA 02138
617 492-7000 Fax 492-7067

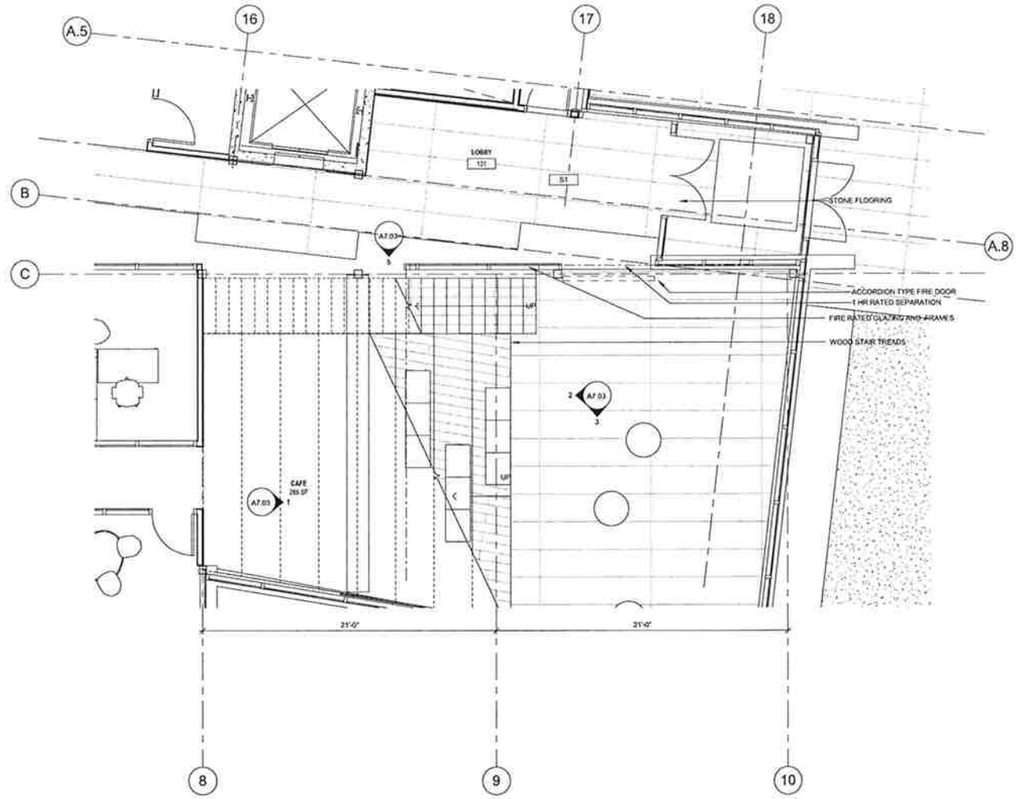
	1603
	Roux Center for the Environment
	Author Checker
	10/11/16
	1 1/2" = 1'-0"

TYPICAL WALL SECTION DETAILS

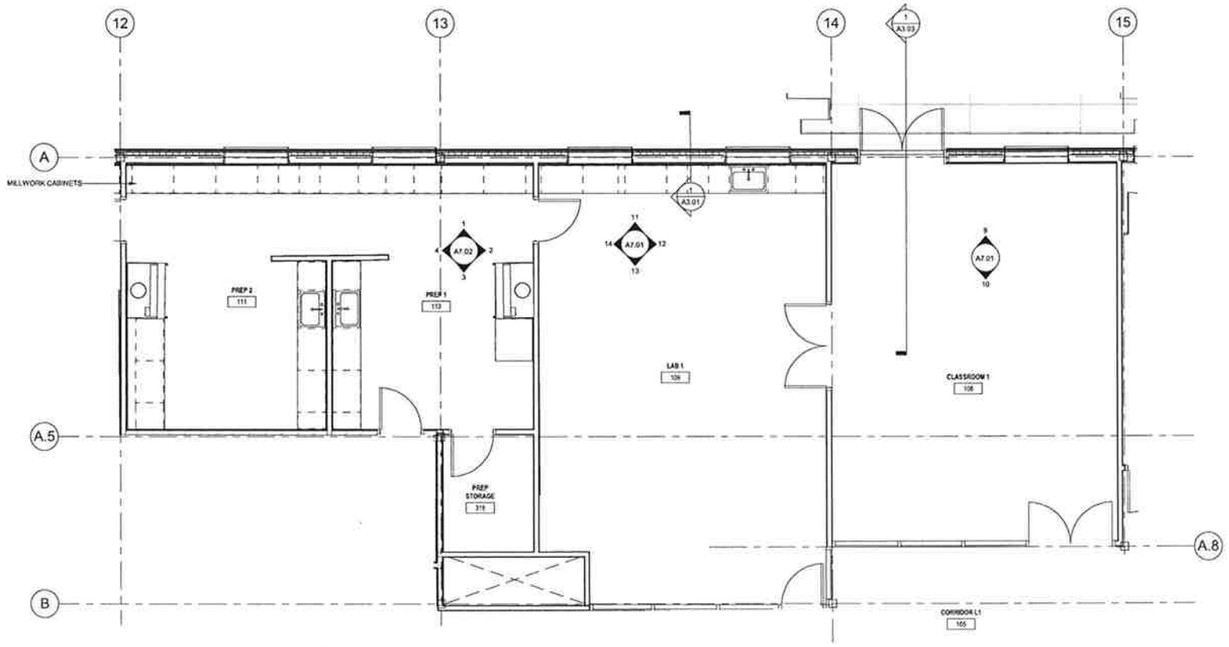
A3.04



3 RESEARCH LAB-OFFICE
1/4" = 1'-0"



1 COMMON STAIR - LEVEL 1
1/4" = 1'-0"



2 LAB-PREP-CLASSROOM
1/4" = 1'-0"

10/11/2016 10:52:57 AM

Bowdoin

Bowdoin College

Roux Center for the Environment

100% SCHEMATIC DESIGN

Cambridge Seven Associates, Inc.

Architects and Planners
1050 Massachusetts Avenue
Cambridge, MA 02138
617.492.7000 Fax 492-7007

1603

Roux Center for the Environment

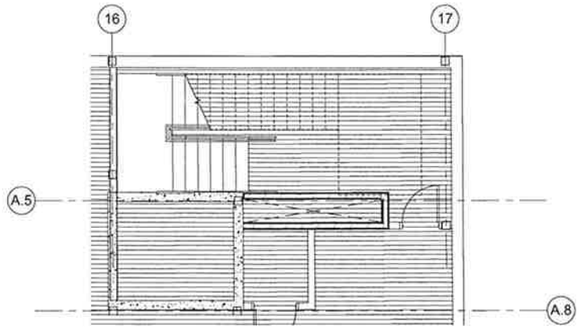
SS TM

10/11/16

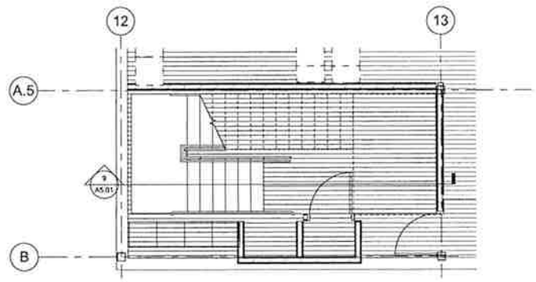
1/4" = 1'-0"

ENLARGED PLANS

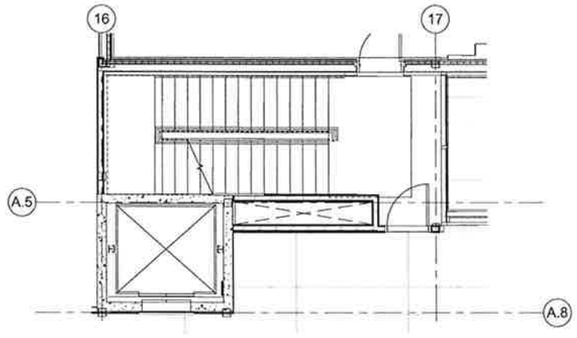
A4.01



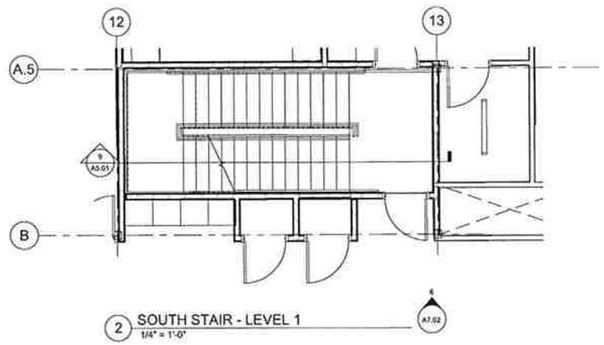
5 NORTH STAIR - LOWER LEVEL
1/4" = 1'-0"



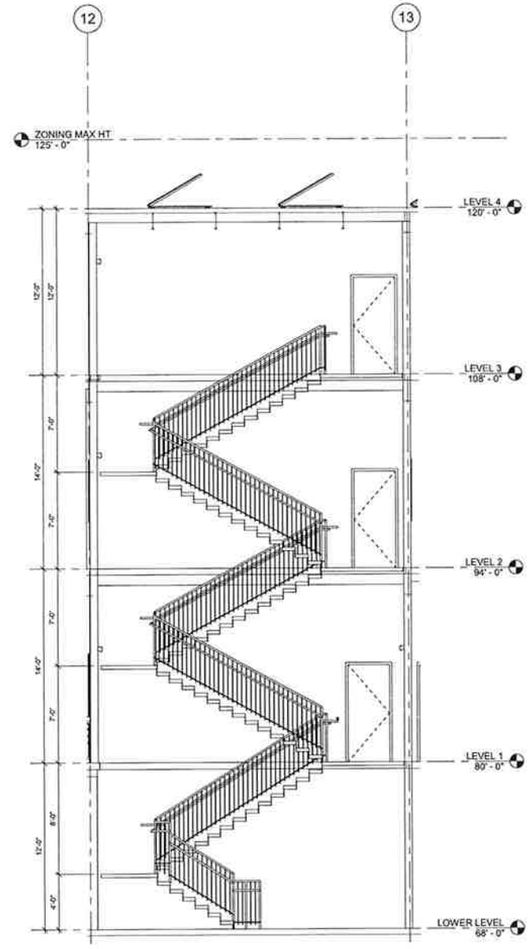
6 SOUTH STAIR - LOWER LEVEL
1/4" = 1'-0"



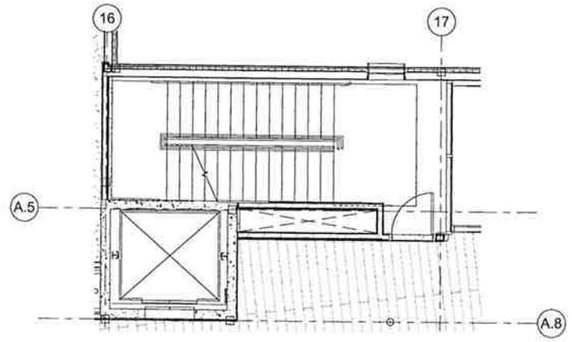
1 NORTH STAIR - LEVEL 1
1/4" = 1'-0"



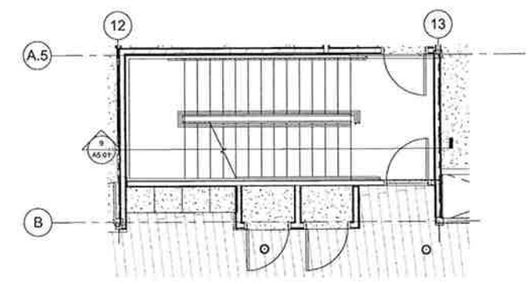
2 SOUTH STAIR - LEVEL 1
1/4" = 1'-0"



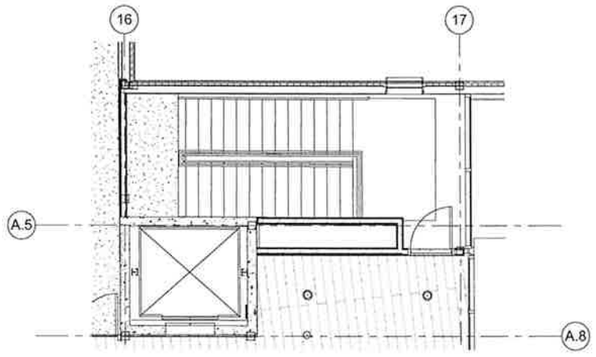
9 TYP. STAIR SECTION
1/4" = 1'-0"



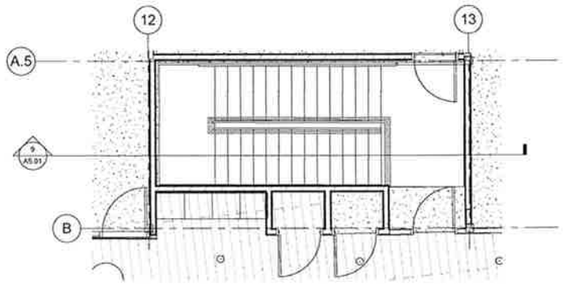
3 NORTH STAIR - LEVEL 2
1/4" = 1'-0"



4 SOUTH STAIR - LEVEL 2
1/4" = 1'-0"



7 NORTH STAIR - LEVEL 3
1/4" = 1'-0"



8 SOUTH STAIR - LEVEL 3
1/4" = 1'-0"

10/11/2016 10:52:58 AM

Bowdoin

Bowdoin College

Roux Center for the Environment

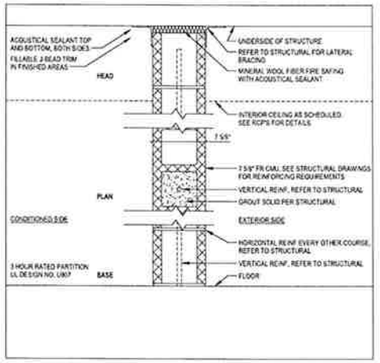
100% SCHEMATIC DESIGN

Cambridge Seven Associates, Inc.
Architects and Planners
1050 Massachusetts Avenue
Cambridge, MA 02138
617 492-7000 Fax 492-7007

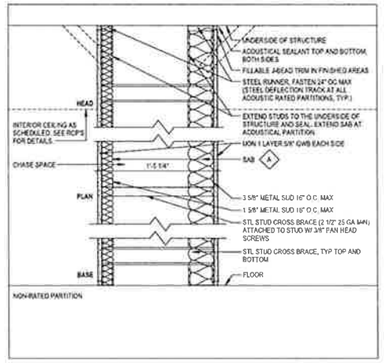
	1603
	Roux Center for the Environment
	JS TM
	10/11/16
	1/4" = 1'-0"

STAIR, ELEVATOR PLANS & SECTIONS

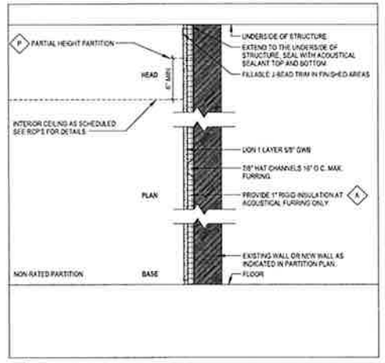
A5.01



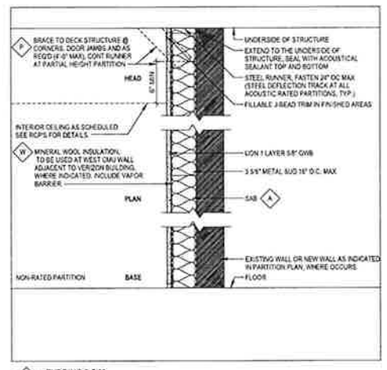
M8R1 CMU 8" NOM., 3HR RATED



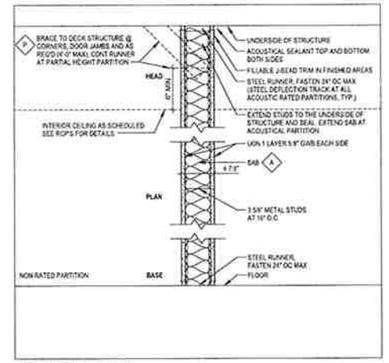
CH18 CHASE WALL 18" NOM.



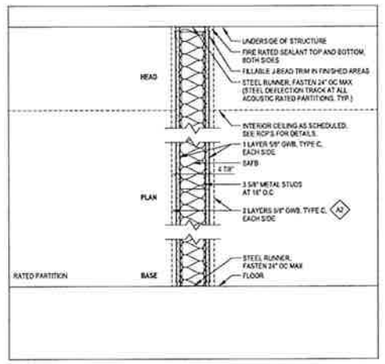
F1 FURRING 7/8"



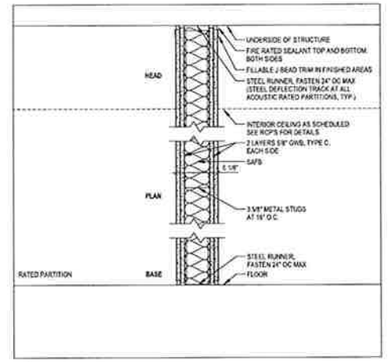
F4 FURRING 3 5/8"



S4 METAL STUD 4" NOM.

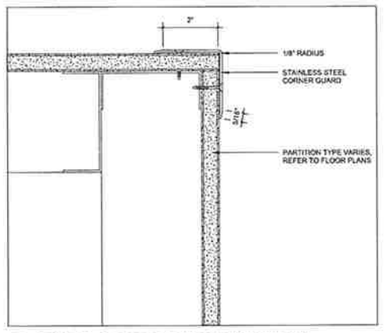


S4R1 METAL STUD 4" NOM., 1 HOUR RATED

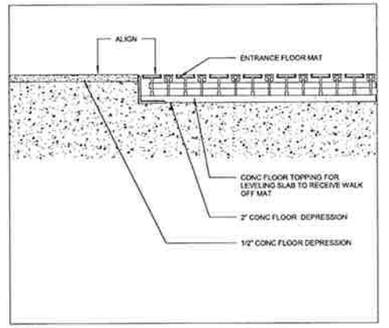


S4R2 METAL STUD 4" NOM., 2 HOUR RATED

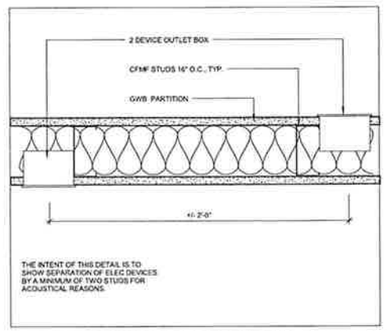
FINISH SCHEDULE							
ROOM NO.	ROOM NAME	Area	FLOOR	WALL	BASE	CEILING	Comments
LOWER LEVEL							
001	STAIR 1	226 SF	SEALED CONC	CONC	RUBBER	EXPOSED, PT	
002	RISER 1	16 SF	-	CONC	-	-	
003	VAC/COMPRRESSOR	24 SF	SEALED CONC	CONC	RUBBER	EXPOSED	
004	ELEVATOR	61 SF	-	CONC	RUBBER	EXPOSED	
005	MAIN MECHANICAL SPACE	1855 SF	SEALED CONC	CONC	-	EXPOSED	
007	STAIR 2	198 SF	SEALED CONC	GWB, PT	RUBBER	EXPOSED, PT	
321	MAIN MECHANICAL SPACE	12 SF	SEALED CONC	CONC	-	EXPOSED	
322	MAIN MECHANICAL SPACE	25 SF	SEALED CONC	CONC	-	EXPOSED	
323	MAIN MECHANICAL SPACE	9 SF	SEALED CONC	CONC	-	EXPOSED	
324	MAIN MECHANICAL SPACE	17 SF	SEALED CONC	CONC	-	EXPOSED	
LEVEL 1							
006	RISER 2	35 SF	-	-	-	-	
100	VESTIBULE	94 SF	STONE	GLAZING, WOOD	STONE, CW	WOOD ACT	RECESSED WALK OFF MAT
101	LOBBY	845 SF	STONE	GLAZING, WOOD	STONE, CW	WOOD ACT	REFER TO PLANS FOR EXTENT OF MATERIAL
102	CAFE	285 SF	POLISHED CONC	GLAZING, WOOD	STONE, CW	WOOD ACT	
103	WOMENS RESTROOMS L1	228 SF	TILE	TILE	TILE	ACT	
104	MEN'S RESTROOMS L1	154 SF	TILE	TILE	TILE	ACT	
104B	UNISEX RESTROOM	45 SF	TILE	TILE	TILE	ACT	
105	CORRIDOR L1	810 SF	STONE	GLAZING	STONE, CW	WOOD ACT	
106	COMMON SPACE - L1B	261 SF	STONE	GLAZING	STONE, CW	WOOD ACT	
107	CORRIDOR & COMMON SPACE	90 SF	POLISHED CONC	GWB, PT/GLAZING	STONE, CW	WOOD ACT	
108	CLASSROOM 1	566 SF	POLISHED CONC	GWB, PT/GLAZING	RUBBER	ACT	
109	LAB 1	642 SF	POLISHED CONC	GWB, PT/GLAZING	RUBBER, CW	ACT	
110	PREP 1	274 SF	POLISHED CONC	GWB, PT	RUBBER	ACT	
111	PREP 2	273 SF	POLISHED CONC	GWB, PT	RUBBER	ACT	
112	LAB 2	641 SF	POLISHED CONC	GWB, PT/GLAZING	RUBBER, CW	ACT	
113	RESEARCH LAB 3	295 SF	POLISHED CONC	GWB, PT/GLAZING	RUBBER, CW	ACT	
114	RESEARCH LAB 2	293 SF	POLISHED CONC	GWB, PT/GLAZING	RUBBER, CW	ACT	
115	RESEARCH LAB 1	293 SF	POLISHED CONC	GWB, PT/GLAZING	RUBBER, CW	ACT	
116	OFFICE SUPPORT	75 SF	POLISHED CONC	GWB, PT	RUBBER	ACT	
117	COORDINATORS	248 SF	WOOD	GWB, PT/GLAZING	WOOD	WOOD ACT	
118	OFFICE CORRIDOR	540 SF	POLISHED CONC	GWB, PT/GLAZING	RUBBER, CW	ACT	
119	OFFICE 1	126 SF	CARPET	GWB, PT/GLAZING	RUBBER, CW	ACT	
120	OFFICE 2	124 SF	CARPET	GWB, PT/GLAZING	RUBBER, CW	ACT	
121	OFFICE 3	124 SF	CARPET	GWB, PT/GLAZING	RUBBER, CW	ACT	
122	OFFICE 4	124 SF	CARPET	GWB, PT/GLAZING	RUBBER, CW	ACT	
123	OFFICE 5	124 SF	CARPET	GWB, PT/GLAZING	RUBBER, CW	ACT	
124	OFFICE 6	124 SF	CARPET	GWB, PT/GLAZING	RUBBER, CW	ACT	
125	OFFICE 7	124 SF	CARPET	GWB, PT/GLAZING	RUBBER, CW	ACT	
126	OFFICE 8	124 SF	CARPET	GWB, PT/GLAZING	RUBBER, CW	ACT	
127	OFFICE 9	125 SF	CARPET	GWB, PT/GLAZING	RUBBER, CW	ACT	
128	OFFICE 10	128 SF	CARPET	GWB, PT/GLAZING	RUBBER, CW	ACT	
130	ELEC	9 SF	SEALED CONC	PLYWOOD, PT	RUBBER	GWB, PT	
131	IT	9 SF	SEALED CONC	PLYWOOD, PT	RUBBER	GWB, PT	
318	PREP STORAGE	54 SF	POLISHED CONC	GWB, PT	RUBBER	ACT	
LEVEL 2							
147	ELEVATOR	61 SF	STONE	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	
201	LECTURE COMMON	1370 SF	WOOD	GWB, PT/GLAZING	CW, WOOD	WOOD ACT	
202	CORRIDOR L2	668 SF	WOOD	GWB, PT/GLAZING	WOOD	WOOD ACT	
203	WOMENS RESTROOMS L2	190 SF	TILE	TILE	TILE	ACT	
203A	HSKP	18 SF	TILE	TILE	TILE	ACT	
203B	HSKP	20 SF	TILE	TILE	TILE	ACT	
204	MEN'S RESTROOMS L2	190 SF	TILE	TILE	TILE	ACT	
205	COMMON SPACE - L2A	270 SF	WOOD	GLAZING	CW, WOOD	WOOD ACT	
207	COMMON SPACE - L2B	144 SF	WOOD	GLAZING	CW, WOOD	WOOD ACT	
208	RISER 3	27 SF	-	-	-	-	
210	FLEXIBLE CLASSROOM	1399 SF	POLISHED CONC	GWB, PT	RUBBER, CW	ACT	
211	PREP 3	422 SF	POLISHED CONC	GWB, PT	RUBBER	ACT	
213	LAB 3	654 SF	POLISHED CONC	GWB, PT/GLAZING	RUBBER, CW	ACT	
214	CONFERENCE	264 SF	WOOD	GWB, PT/GLAZING	WOOD	WOOD ACT	
215	RESEARCH LAB 6	269 SF	POLISHED CONC	GWB, PT/GLAZING	RUBBER, CW	ACT	
216	RESEARCH LAB 5	296 SF	POLISHED CONC	GWB, PT/GLAZING	RUBBER, CW	ACT	
217	RESEARCH LAB 4	298 SF	POLISHED CONC	GWB, PT/GLAZING	RUBBER	ACT	
219	VISITING FACULTY	206 SF	CARPET	GLAZING	RUBBER, CW	ACT	
220	OFFICE CORRIDOR	583 SF	POLISHED CONC	GLAZING	RUBBER, CW	ACT	
221	OFFICE 11	124 SF	CARPET	GWB, PT/GLAZING	RUBBER, CW	ACT	
222	OFFICE 12	124 SF	CARPET	GWB, PT/GLAZING	RUBBER, CW	ACT	
223	OFFICE 13	124 SF	CARPET	GWB, PT/GLAZING	RUBBER, CW	ACT	
224	OFFICE 14	124 SF	CARPET	GWB, PT/GLAZING	RUBBER, CW	ACT	
225	OFFICE 15	124 SF	CARPET	GWB, PT/GLAZING	RUBBER, CW	ACT	
226	OFFICE 16	124 SF	CARPET	GWB, PT/GLAZING	RUBBER, CW	ACT	
227	OFFICE 17	124 SF	CARPET	GWB, PT/GLAZING	RUBBER, CW	ACT	
228	OFFICE 18	124 SF	CARPET	GWB, PT/GLAZING	RUBBER, CW	ACT	
229	OFFICE 19	124 SF	CARPET	GWB, PT/GLAZING	RUBBER, CW	ACT	
230	OFFICE 20	125 SF	CARPET	GWB, PT/GLAZING	RUBBER, CW	ACT	
231	OFFICE 21	127 SF	CARPET	GWB, PT/GLAZING	RUBBER, CW	ACT	
232	IT	10 SF	SEALED CONC	PLYWOOD, PT	RUBBER	GWB, PT	
233	ELEC	9 SF	SEALED CONC	PLYWOOD, PT	RUBBER	GWB, PT	
316	HSKP	81 SF	TILE	TILE	TILE	ACT	
LEVEL 3							
212	PREP 4	335 SF	POLISHED CONC	GWB, PT/GLAZING	RUBBER	ACT	
304	CLASSROOM 3	648 SF	POLISHED CONC	GWB, PT	RUBBER, CW	ACT	
305	CLASSROOM 2	543 SF	POLISHED CONC	GWB, PT	RUBBER, CW	ACT	
306	COMMON - L3	590 SF	WOOD	PLYWOOD, PT	CW, WOOD	WOOD ACT	
307	ELEC	9 SF	SEALED CONC	PLYWOOD, PT	RUBBER	GWB, PT	
308	MECHANICAL WELL	973 SF	-	-	-	-	
309	OUTDOOR ROOF TERRACE	959 SF	-	-	-	-	
313	CORRIDOR L3	836 SF	-	-	-	-	
314	OUTDOOR ROOF TERRACE	418 SF	-	-	-	-	
315	CLASSROOM LAB 4	578 SF	-	-	-	-	
319	IT	10 SF	SEALED CONC	PLYWOOD, PT	RUBBER	GWB, PT	



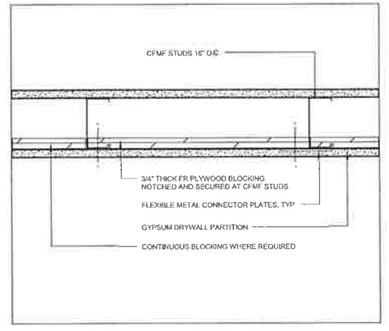
8 TYPICAL CORNER GUARD PLAN DETAIL
6" = 1'-0"



9 TYPICAL DETAIL AT ENTRANCE MAT
3" = 1'-0"



10 TYP. RECEPTACLE PLACEMENT FOR ACOUST. SEP.
3" = 1'-0"



11 TYPICAL WOOD BLOCKING PLAN DETAIL
3" = 1'-0"

Bowdoin

Bowdoin College

Roux Center for the Environment

100% SCHEMATIC DESIGN

Cambridge Seven Associates, Inc.

Architects and Planners
1050 Massachusetts Avenue
Cambridge, MA 02138
617 492-7000 Fax 492-7007

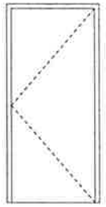
Job No.	1603
Project	Roux Center for the Environment
Drawn: SS	Checked: CM
Date	10/11/16
Scale	As indicated

PARTITION TYPES & INTERIOR FINISHES SCHEDULE

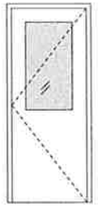
A6.01

10/11/2016 10:52:59 AM

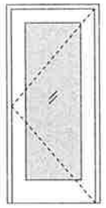
DOOR & FRAME ELEVATIONS



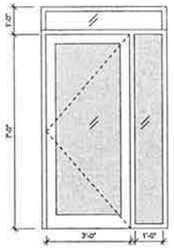
Type F, Single



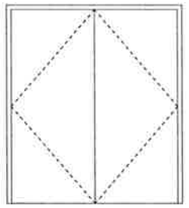
Type HG, Single



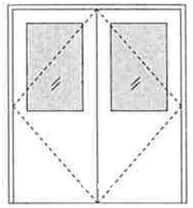
Type FG, Single



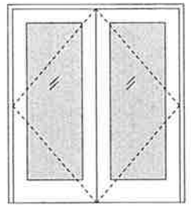
Type FG0, Single



Type F, Double



Type HG, Double



Type FG, Double

Except as noted, dimensions vary, see schedule

DOOR & FRAME SCHEDULE + ROOM NAMES

MARK	FROM ROOM No.	FROM ROOM NAME	TO ROOM No.	TO ROOM NAME	DOOR SIZE WD	DOOR SIZE HT	DOOR SIZE THK	DOOR MATL	DOOR TYPE	DOOR PANEL TYPE	RATING	COMMENTS
LOWER LEVEL												
001	005	MAIN MECHANICAL SPACE	001	STAIR 1	2'-8"	7'-0"	1 3/4"		SINGLE	F		
003	003	VAC COMPRESSOR	003	MAIN MECHANICAL SPACE	2'-0"	7'-0"	1 3/4"		SINGLE	F		
005	005	MAIN MECHANICAL SPACE	007	STAIR 2	3'-0"	7'-0"	1 3/4"		SINGLE	F		
007	005	MAIN MECHANICAL SPACE	004	MAIN MECHANICAL SPACE	3'-0"	7'-0"	1 3/4"		SINGLE	F		
LEVEL 1												
	100	VESTIBULE			5'-6 19/32"	7'-3 1/4"			Curtain Wall-Store Front-Dbl			
100B	101	LOBBY	100	VESTIBULE	6'-9 1/2"	7'-10 3/4"			Curtain Wall-Store Front-Dbl			
101	101	LOBBY	001	STAIR 1	3'-0"	7'-0"	1 3/4"		SINGLE	F		
101A	001	STAIR 1			3'-0"	7'-0"	1 3/4"		SINGLE1	FG		
103	105	CORRIDOR L1	103	WOMENS RESTROOMS L1	3'-0"	7'-0"	1 3/4"		SINGLE	F		
107	105	CORRIDOR L1	007	STAIR 2	3'-0"	7'-0"	1 3/4"		SINGLE1	F		
105	108	CLASSROOM 1	105	CORRIDOR L1	6'-0"	7'-0"			Curtain Wall-Store Front-Dbl			
108	109	LAB 1	105	CORRIDOR L1	3'-0"	7'-0"			Single - Hinged - Ew			
108B	110	PREP 1	109	LAB 1	3'-0"	7'-0"	1 3/4"		SINGLE1	FG		
112	112	LAB 2	105	CORRIDOR L1	3'-0"	7'-0"			Single - Hinged - Ew			
112A	112	LAB 2	111	PREP 2	3'-0"	7'-0"	1 3/4"		SINGLE1	FG		
113	118	OFFICE CORRIDOR	113	RESEARCH LAB 3	3'-0"	7'-0"			Single - Hinged - Ew			
113A	113	RESEARCH LAB 3			3'-0"	6'-0"	1 3/4"		SINGLE1	FG		
114	114	RESEARCH LAB 2	118	OFFICE CORRIDOR	3'-0"	7'-0"			Single - Hinged - Ew			
115	115	OFFICE SUPPORT	113	RESEARCH LAB 1	3'-0"	7'-0"			Single - Hinged - Ew			
117	118	OFFICE CORRIDOR	117	COORDINATORS	3'-0"	7'-0"			Single - Hinged - Ew			
118A	118	OFFICE CORRIDOR			3'-0"	6'-0"	1 3/4"		SINGLE1	FG		
119	118	OFFICE CORRIDOR	119	OFFICE 1	3'-0"	7'-0"			Single - Hinged - Ew			
120	118	OFFICE CORRIDOR	120	OFFICE 2	3'-0"	7'-0"			Single - Hinged - Ew			
121	118	OFFICE CORRIDOR	121	OFFICE 3	3'-0"	7'-0"			Single - Hinged - Ew			
122	118	OFFICE CORRIDOR	122	OFFICE 4	3'-0"	7'-0"			Single - Hinged - Ew			
123	118	OFFICE CORRIDOR	123	OFFICE 5	3'-0"	7'-0"			Single - Hinged - Ew			
124	118	OFFICE CORRIDOR	124	OFFICE 6	3'-0"	7'-0"			Single - Hinged - Ew			
125	118	OFFICE CORRIDOR	125	OFFICE 7	3'-0"	7'-0"			Single - Hinged - Ew			
126	118	OFFICE CORRIDOR	126	OFFICE 8	3'-0"	7'-0"			Single - Hinged - Ew			
127	118	OFFICE CORRIDOR	127	OFFICE 9	3'-0"	7'-0"			Single - Hinged - Ew			
128	118	OFFICE CORRIDOR	128	OFFICE 10	3'-0"	7'-0"			Single - Hinged - Ew			
130	130	ELEC	105	CORRIDOR L1	3'-0"	7'-0"	1 3/4"		SINGLE1	F		
560	117	COORDINATORS	105	CORRIDOR L1	3'-0"	7'-0"			Single - Hinged - Ew			
603	104	MENS RESTROOMS L1	105	CORRIDOR L1	3'-0"	7'-0"	1 3/4"		SINGLE	F		
607	1045	UNISEX RESTROOM	105	CORRIDOR L1	3'-0"	7'-0"	1 3/4"		SINGLE	F		
626	105	CORRIDOR L1			3'-0"	6'-0"	1 3/4"		SINGLE1	FG		
629	112	LAB 2			3'-0"	6'-0"	1 3/4"		SINGLE1	FG		
631	108	CLASSROOM 1	109	LAB 1	6'-0"	7'-0"	1 3/4"		DOUBLE	F		
633	108	CLASSROOM 1			6'-0"	7'-0"	1 3/4"		DOUBLE	FG		
634	101	IT	105	CORRIDOR L1	3'-0"	7'-0"	1 3/4"		SINGLE1	F		
649	007	STAIR 2	110	PREP 1	3'-0"	7'-0"	1 3/4"		SINGLE	F		
650	110	PREP 1	318	PREP STORAGE	3'-0"	7'-0"	1 3/4"		SINGLE	F		
LEVEL 2												
	216	RESEARCH LAB 5	220	OFFICE CORRIDOR	3'-8 1/4"	6'-8 1/4"			Single - Hinged - Ew			
	202	CORRIDOR L2	210	FLEXIBLE CLASSROOM	3'-0"	6'-9 3/32"			Single - Hinged - Ew			
201	201	LECTURE COMMON	001	STAIR 1	3'-0"	7'-0"	1 3/4"		SINGLE	F		
203	316	HSKP	203	WOMENS RESTROOMS L2	3'-0"	7'-0"	1 3/4"		SINGLE	F		
204	316	HSKP	204	MENS RESTROOMS L2	3'-0"	7'-0"	1 3/4"		SINGLE	F		
207	202	CORRIDOR L2	007	STAIR 2	3'-0"	7'-0"	1 3/4"		SINGLE	F		
210B	211	PREP 3	210	FLEXIBLE CLASSROOM	3'-0"	7'-0"	1 3/4"		SINGLE1	FG		
213	213	LAB 3	202	CORRIDOR L2	3'-0"	7'-0"			Single - Hinged - Ew			
213A	213	LAB 3	211	PREP 3	3'-0"	7'-0"	1 3/4"		SINGLE1	FG		
214	220	OFFICE CORRIDOR	214	CONFERENCE	3'-0"	7'-0"			Single - Hinged - Ew			
221	220	OFFICE CORRIDOR	221	OFFICE 11	3'-0"	7'-0"			Single - Hinged - Ew			
222	220	OFFICE CORRIDOR	222	OFFICE 12	3'-0"	7'-0"			Single - Hinged - Ew			
223	220	OFFICE CORRIDOR	223	OFFICE 13	3'-0"	7'-0"			Single - Hinged - Ew			
224	220	OFFICE CORRIDOR	224	OFFICE 14	3'-0"	7'-0"			Single - Hinged - Ew			
225	220	OFFICE CORRIDOR	225	OFFICE 15	3'-0"	7'-0"			Single - Hinged - Ew			
226	220	OFFICE CORRIDOR	226	OFFICE 16	3'-0"	7'-0"			Single - Hinged - Ew			
227	220	OFFICE CORRIDOR	227	OFFICE 17	3'-0"	7'-0"			Single - Hinged - Ew			
228	220	OFFICE CORRIDOR	228	OFFICE 18	3'-0"	7'-0"			Single - Hinged - Ew			
229	220	OFFICE CORRIDOR	229	OFFICE 19	3'-0"	7'-0"			Single - Hinged - Ew			
230	220	OFFICE CORRIDOR	230	OFFICE 20	3'-0"	7'-0"			Single - Hinged - Ew			
231	220	OFFICE CORRIDOR	231	OFFICE 21	3'-0"	7'-0"			Single - Hinged - Ew			
233	233	ELEC	202	CORRIDOR L2	3'-0"	7'-0"	1 3/4"		SINGLE	F		
624	203A	HSKP	316	HSKP	3'-0"	7'-0"	1 3/4"		SINGLE	F		
625	203B	HSKP	316	HSKP	3'-8"	7'-0"	1 3/4"		SINGLE	F		
630	215	RESEARCH LAB 6	220	OFFICE CORRIDOR	3'-0"	7'-0"			Single - Hinged - Ew			
635	007	STAIR 2	211	PREP 3	3'-0"	7'-0"	1 3/4"		SINGLE	F		
636	210	FLEXIBLE CLASSROOM	202	CORRIDOR L2	3'-0"	7'-0"			Single - Hinged - Ew			
648	202	IT	202	CORRIDOR L2	3'-0"	7'-0"	1 3/4"		SINGLE	F		
652	220	OFFICE CORRIDOR	217	RESEARCH LAB 4	3'-0 1/4"	6'-8 1/4"			Single - Hinged - Ew			
655	220	OFFICE CORRIDOR	215	VISITING FACULTY	3'-0"	7'-0"			Single - Hinged - Ew			
LEVEL 3												
	304	CLASSROOM 3	313	CORRIDOR L3	3'-2 1/2"	11'-3"			Single - Hinged - Ew			
301	313	CORRIDOR L3	301	STAIR 1	3'-0"	7'-0"	1 3/4"		SINGLE	F		
307	313	CORRIDOR L3			3'-0"	7'-0"	1 3/4"		SINGLE	F		
307A	007	STAIR 2	308	MECHANICAL WELL	3'-0"	7'-0"	1 3/4"		SINGLE	F		
311	307	ELEC	313	CORRIDOR L3	3'-0"	7'-0"	1 3/4"		SINGLE	F		
640	313	IT	313	CORRIDOR L3	3'-0"	7'-0"	1 3/4"		SINGLE	F		
641	315	CLASSROOM / LAB 4	313	CORRIDOR L3	3'-0"	7'-0"			Single - Hinged - Ew			
642	305	CLASSROOM 2	313	CORRIDOR L3	3'-0"	7'-0"			Single - Hinged - Ew			
644	305	CLASSROOM 2	315	CLASSROOM LAB 4	6'-0"	7'-0"	1 3/4"		DOUBLE	F		
645	315	CLASSROOM LAB 4	212	PREP 4	3'-0"	7'-0"	1 3/4"		SINGLE	F		
647	313	CORRIDOR L3	212	PREP 4	3'-0"	7'-0"	1 3/4"		SINGLE	F		

Bowdoin

Bowdoin College

Roux Center for the Environment

100% SCHEMATIC DESIGN

Cambridge Seven Associates, Inc.

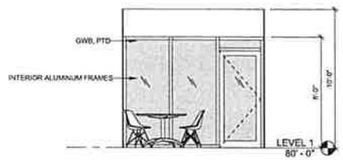
Architects and Planners
1050 Massachusetts Avenue
Cambridge, MA 02138
617 491-7000 Fax 492-7007

	1603
	Roux Center for the Environment
	JS TM
	10/11/16
	1/2" = 1'-0"

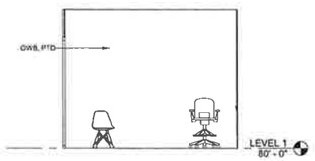
DOOR ELEVATIONS AND EXTERIOR FINISH SCHEDULE

A6.02

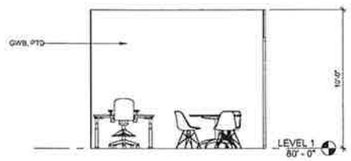
10/11/2016 10:52:59 AM



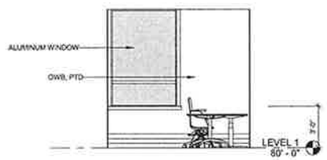
1 TYP OFFICE ELEVATION - ENTRY WALL
1/4" = 1'-0"



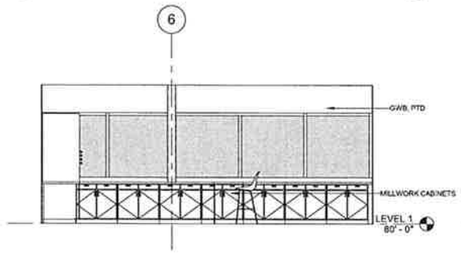
2 TYP OFFICE ELEVATION - PARTITION 1
1/4" = 1'-0"



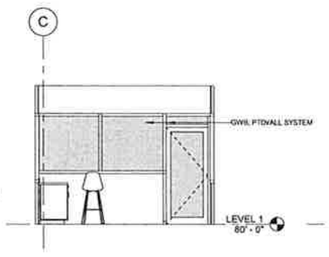
3 TYP OFFICE ELEVATION - PARTITION 2
1/4" = 1'-0"



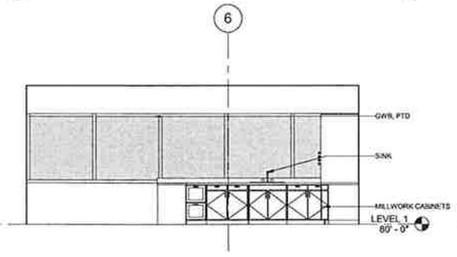
4 TYP OFFICE ELEVATION - WINDOW WALL
1/4" = 1'-0"



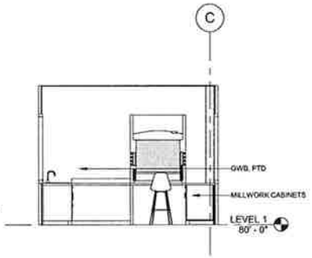
5 TYP RESEARCH LAB ELEVATION - REAR WALL
1/4" = 1'-0"



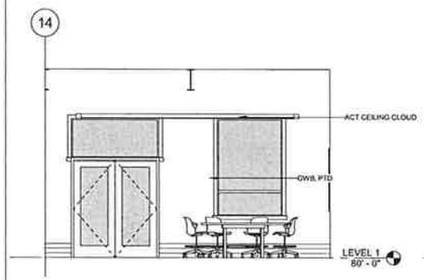
6 TYP RESEARCH LAB ELEVATION - PARTITION 1
1/4" = 1'-0"



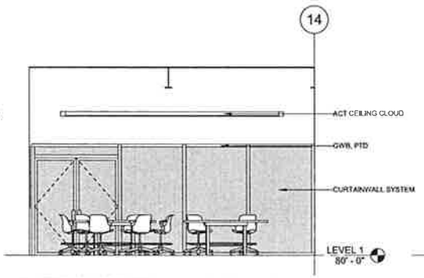
7 TYP RESEARCH LAB ELEVATION - ENTRY WALL
1/4" = 1'-0"



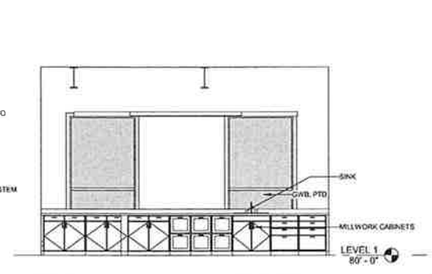
8 TYP RESEARCH LAB ELEVATION - PARTITION 2
1/4" = 1'-0"



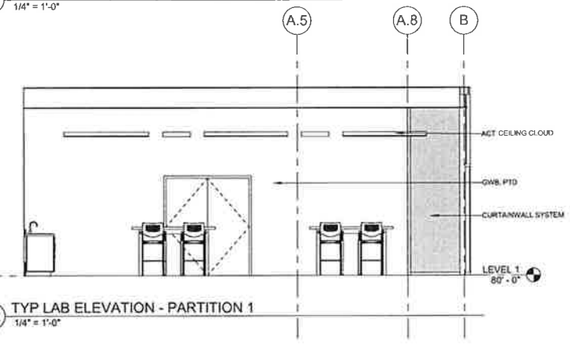
9 TYP CLASSROOM ELEVATION - EXTERIOR WALL
1/4" = 1'-0"



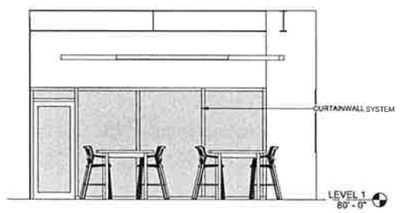
10 TYP CLASSROOM ELEVATION - ENTRY WALL
1/4" = 1'-0"



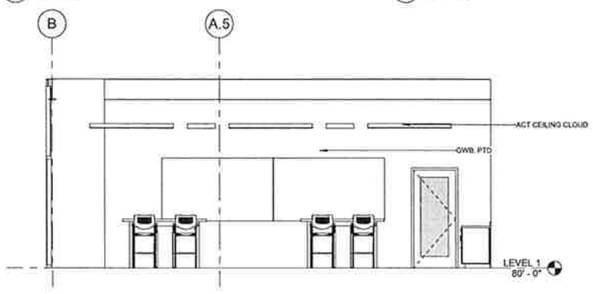
11 TYP LAB ELEVATION - EXTERIOR WALL
1/4" = 1'-0"



12 TYP LAB ELEVATION - PARTITION 1
1/4" = 1'-0"



13 TYP LAB ELEVATION - ENTRY WALL
1/4" = 1'-0"



14 TYP LAB ELEVATION - PREP ROOM WALL
1/4" = 1'-0"

10/11/2016 10:53:06 AM

Bowdoin

Bowdoin College

Roux Center for the Environment

100% SCHEMATIC DESIGN

Cambridge Seven Associates, Inc.
Architects and Planners
1050 Massachusetts Avenue
Cambridge, MA 02138
617 492-7000 Fax 492-7007

1603

Roux Center for the Environment

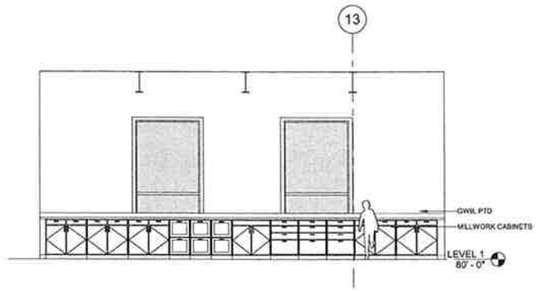
Author Checker

10/11/16

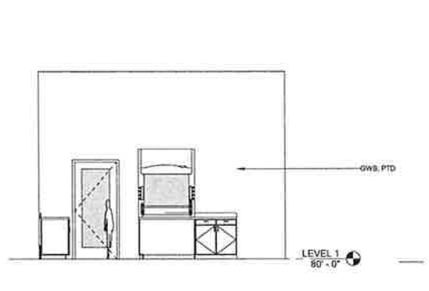
1/4" = 1'-0"

INTERIOR ELEVATIONS

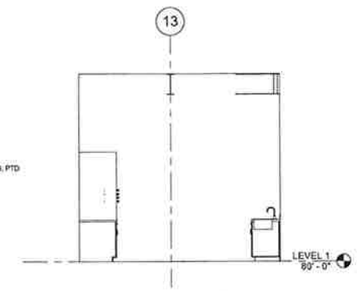
A7.01



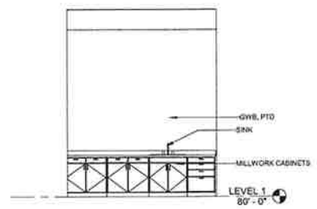
1 TYP PREP ELEVATION - EXTERIOR WALL
1/4" = 1'-0"



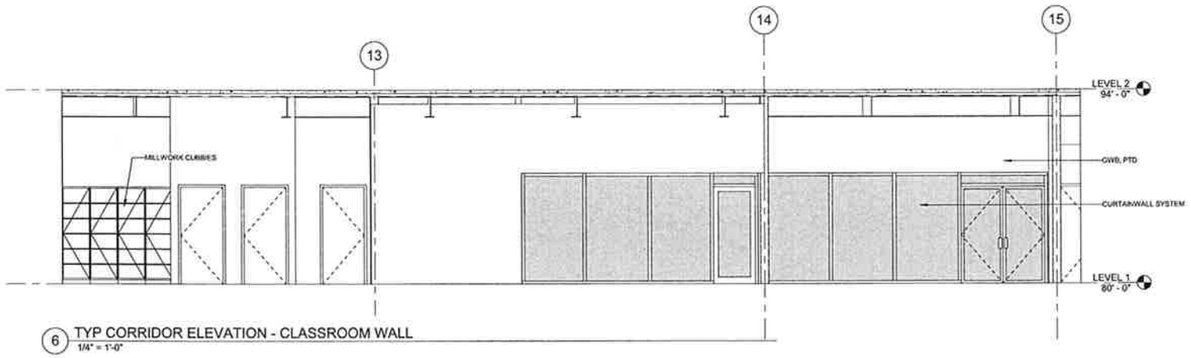
2 TYP PREP ELEVATION - LAB WALL 2
1/4" = 1'-0"



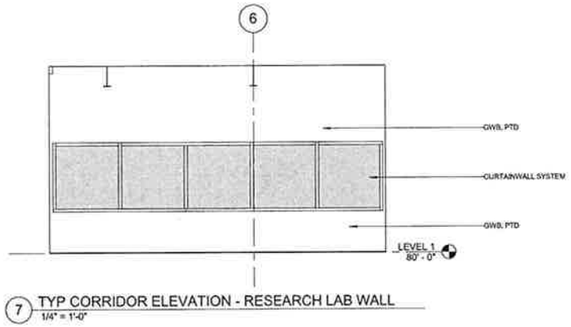
3 TYP PREP ELEVATION - LAB WALL 3
1/4" = 1'-0"



4 TYP PREP ELEVATION - LAB WALL 2
1/4" = 1'-0"



6 TYP CORRIDOR ELEVATION - CLASSROOM WALL
1/4" = 1'-0"



7 TYP CORRIDOR ELEVATION - RESEARCH LAB WALL
1/4" = 1'-0"

10/11/2016 10:53:07 AM

Bowdoin

Bowdoin College

Roux Center for the Environment

100% SCHEMATIC DESIGN

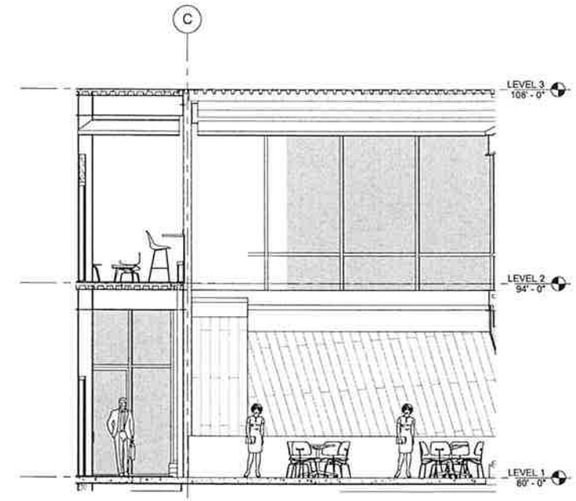
Cambridge Seven Associates, Inc.

Architects and Planners
1050 Massachusetts Avenue
Cambridge, MA 02138
617 492-7000 Fax 492-7007

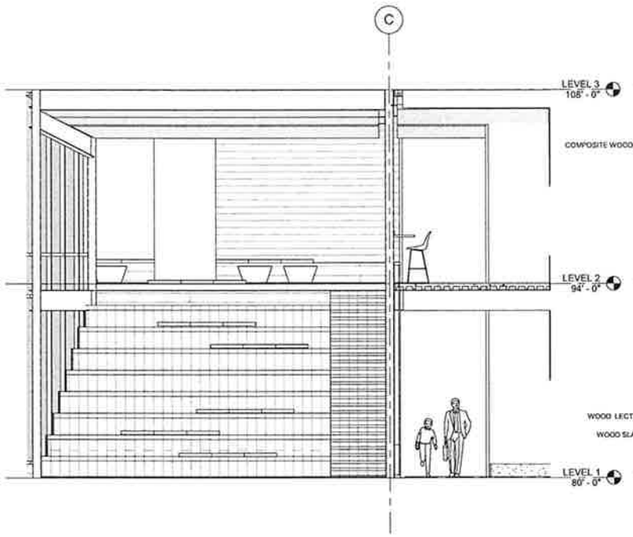
1603	
Roux Center for the Environment	
Author	Checker
10/11/16	
1/4" = 1'-0"	

INTERIOR ELEVATIONS

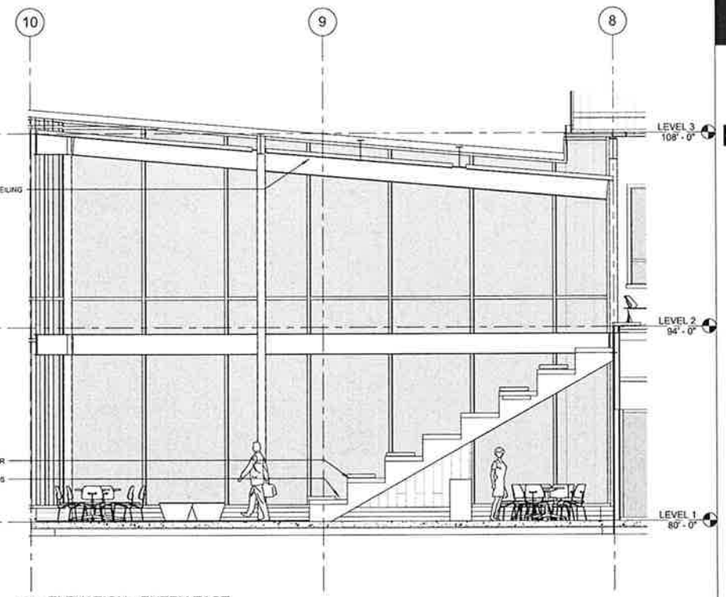
A7.02



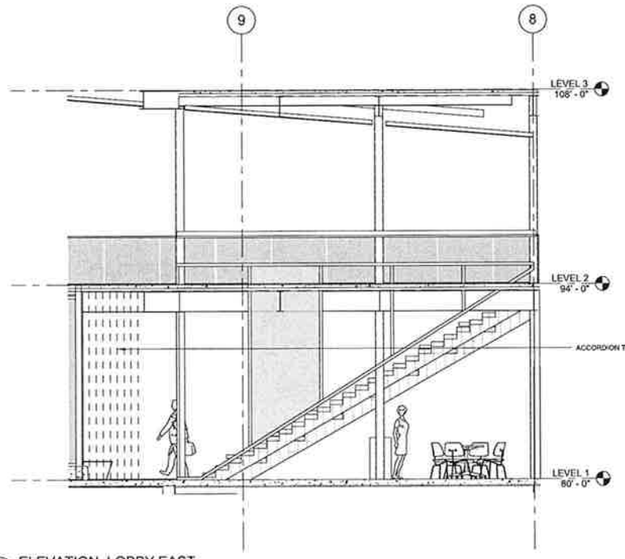
1 CAFE ELEVATION - NORTH
1/4" = 1'-0"



2 ELEVATION - ENTRY STAIRS
1/4" = 1'-0"



3 ELEVATION - ENTRY EAST
1/4" = 1'-0"



5 ELEVATION LOBBY EAST
1/4" = 1'-0"

10/11/2016 10:53:12 AM

Bowdoin

Bowdoin College

Roux Center for the Environment

100% SCHEMATIC DESIGN

Cambridge Seven Associates, Inc.
Architects and Planners
1050 Massachusetts Avenue
Cambridge, MA 02138
617 492-7000 Fax 492-7007

1603

Roux Center for the Environment

Author Checker

10/11/16

1/4" = 1'-0"

INTERIOR ELEVATIONS

A7.03

LIGHT FIXTURE KEY

LABEL	MANUFACTURER	CATALOG NUMBER	DESCRIPTION
A	LUMENWERX	NOV-22PMO-HLO-LED-2300-35	RECESSED 2'X2' LED WITH CENTRAL MICROSCREEN PANEL
B	LUMENWERX	NOV-24-PMO-HLO-LED-5500-35	RECESSED 2'X4' LED WITH CENTRAL MICROSCREEN PANEL
C	LUMENWERX	VIA4-WRO-LED-80-500-30-2FT	RECESSED 4" X 2' LED WALL WASHER
D	LUMENWERX	VIA4D-HLO-LED-80-500-35-4FT	RECESSED 4" X 4' LED WITH FLUSH ACRYLIC LENS
E	DELRAY	7702L50W35	SUSPENDED DIRECT/INDIRECT LED WITH FROSTED LENS
F	GOTHAM	EVO CYL 35/26 8AR L8 FINISH - PM	SUSPENDED 8" DIAMETER LED CYLINDER
G	GOTHAM	EVO 35/15 4AR WWD L5	RECESSED 4" DIAMETER LED DOWNLIGHT
H	MARK	SPRLED 4FT H35AD FA	RECESSED 8" WIDE LED WALL SLOT
I	LITHONIA	STL4 40L 040 LP835 MVOLT	SURFACE MOUNTED 5" X 4" LED WRAP
J	LITHONIA	WL4 25L 024 LP835 MVOLT	WALL MOUNTED 4' LED STAIRWELL LIGHT
K	GOTHAM	EVO 35/15 4AR WWD L5	RECESSED 4" DIAMETER LED DOWNLIGHT
L	GOTHAM	ICO CYL 35/15 3AR L5S 5020D MVOLT UGZ	SUSPENDED 2" DIAMETER LED CYLINDER
N	USAI	LRTD4-9018-C3-39K5-50-FT-VOLT-DIM.2	RECESSED EXTERIOR DOWNLIGHT
P	KENALL	FN16	WALL MOUNTED EXTERIOR LIGHT

1 LOWER LEVEL
1/8" = 1'-0"

10/11/2016 10:53:12 AM

Bowdoin

Bowdoin College

Roux Center for the Environment

NOTES

1. REFER TO A6.01 FOR INTERIOR FINISHES SCHEDULE AND SPECIFICATION.
2. ALL EXPOSED COLUMN , BRACING TO BE PAINTED

100% SCHEMATIC DESIGN

Cambridge Seven Associates, Inc.

Architects and Planners
1050 Massachusetts Avenue
Cambridge, MA 02138
617 492-7000 Fax 492-7007

	1603
	Roux Center for the Environment
	YK TM
	10/11/16
	As indicated

LOWER LEVEL REFLECTED CEILING PLAN

A8.00

LIGHT FIXTURE KEY

LABEL	MANUFACTURER	CATALOG NUMBER	DESCRIPTION
A	LUMENWERX	NOV-22PMD-HLO-LED-2950-35	RECESSED 2'X2' LED WITH CENTRAL MICROSCREEN PANEL
B	LUMENWERX	NOV-24-PMD-HLO-LED-5500-35	RECESSED 2'X4' LED WITH CENTRAL MICROSCREEN PANEL
C	LUMENWERX	VIM-VRO-LED-80-500-30-2FT	RECESSED 4" X 2' LED WALL WASHER
D	LUMENWERX	VIM3-HLO-LED-80-500-35-4FT	RECESSED 4" X 4' LED WITH FLUSH ACRYLIC LENS
E	DELRAY	77001.50WX35	SUSPENDED DIRECT/INDIRECT LED WITH FROSTED LENS
F	GOTHAM	EVD CYL 35/29 8AR LS FINISH - PM	SUSPENDED 8" DIAMETER LED CYLINDER
G	GOTHAM	EVO 35/15 4AR MWD LS	RECESSED 4" DIAMETER LED DOWNLIGHT
H	MARK	SPRLED 4FT H35AD FA	RECESSED 6" WIDE LED WALL SLOT
I	LITHONIA	STL4 40L D40 LP835 MVOLT	SURFACE MOUNTED 8" X 4' LED WRAP
J	LITHONIA	WL4 25L D24 LP835 MVOLT	WALL MOUNTED 4' LED STAIRWELL LIGHT
K	GOTHAM	EVD 35/10 4AR MWD LS	RECESSED 4" DIAMETER LED DOWNLIGHT
L	GOTHAM	ICD CYL 35/15 2AR LSS 50200 MVOLT UGZ	SUSPENDED 2" DIAMETER LED CYLINDER
N	USAI	LRTD4-9016-C3-30K1S-50-FT-VOLT-DIML7	RECESSED EXTERIOR DOWNLIGHT
P	KENALL	FNL6	WALL MOUNTED EXTERIOR LIGHT

1 LEVEL 1 RCP
1/8" = 1'-0"

10/11/2016 10:53:13 AM

Bowdoin

Bowdoin College

Roux Center for the Environment

NOTES

1. REFER TO A6.01 FOR INTERIOR FINISHES SCHEDULE AND SPECIFICATION.
2. ALL EXPOSED COLUMN , BRACING TO BE PAINTED.

100% SCHEMATIC DESIGN

Cambridge Seven Associates, Inc.

Architects and Planners
1050 Massachusetts Avenue
Cambridge, MA 02138
617 492-7000 Fax 492-7007

	1603
	Roux Center for the Environment
	YK TM
	10/11/16
	As indicated

FIRST FLOOR REFLECTED CEILING PLAN

A8.01

LIGHT FIXTURE KEY

LABEL	MANUFACTURER	CATALOG NUMBER	DESCRIPTION
A	LUMENWERX	NOV-22PMO-HLO-LED-2300-35	RECESSED 2'X2' LED WITH CENTRAL MICROSCREEN PANEL
B	LUMENWERX	NOV-24-PMO-HLO-LED-5500-35	RECESSED 2'X4' LED WITH CENTRAL MICROSCREEN PANEL
C	LUMENWERX	VIA4-WRO-LED-80-500-30-2FT	RECESSED 4" X 2' LED WALL WASHER
D	LUMENWERX	VIAMS-HLO-LED-R3-500-35-4FT	RECESSED 4" X 4' LED WITH FLUSH ACRYLIC LENS
E	DELRAY	7702L90W35	SUSPENDED DIRECT/INDIRECT LED WITH FROSTED LENS
F	GOTHAM	EVO CYL 35/29 IAR LS FINISH - PM	SUSPENDED 8" DIAMETER LED CYLINDER
G	GOTHAM	EVO 35/15 4AR MWD LS	RECESSED 4" DIAMETER LED DOWNLIGHT
H	MARK	SPRLED 4FT H35AD FA	RECESSED 6" WIDE LED WALL SLOT
I	LITHONIA	STL4 40L D40 LP835 MVOLT	SURFACE MOUNTED 8" X 4' LED WRAP
J	LITHONIA	WL4 25L D24 LP835 MVOLT	WALL MOUNTED 4" LED STAIRWELL LIGHT
K	GOTHAM	EVO 35/10 4AR MWD LS	RECESSED 4" DIAMETER LED DOWNLIGHT
L	GOTHAM	ICO CYL 35/15 2AR LSS 5020D MVOLT UGZ	SUSPENDED 2" DIAMETER LED CYLINDER
N	USAI	LRTD4-9016-C3-30K5-50-FT-VOLT-SWL2	RECESSED EXTERIOR DOWNLIGHT
P	KENALL	FMLE	WALL MOUNTED EXTERIOR LIGHT

1 LEVEL 2 RCP
1/8" = 1'-0"

10/11/2016 10:53:15 AM

Bowdoin

Bowdoin College

Roux Center for the Environment

NOTES

1. REFER TO A8.01 FOR INTERIOR FINISHES SCHEDULE AND SPECIFICATION.
2. ALL EXPOSED COLUMN , BRACING TO BE PAINTED

100% SCHEMATIC DESIGN

Cambridge Seven Associates, Inc.

Architects and Planners
1050 Massachusetts Avenue
Cambridge, MA 02138
617 492-7000 Fax 492-7007

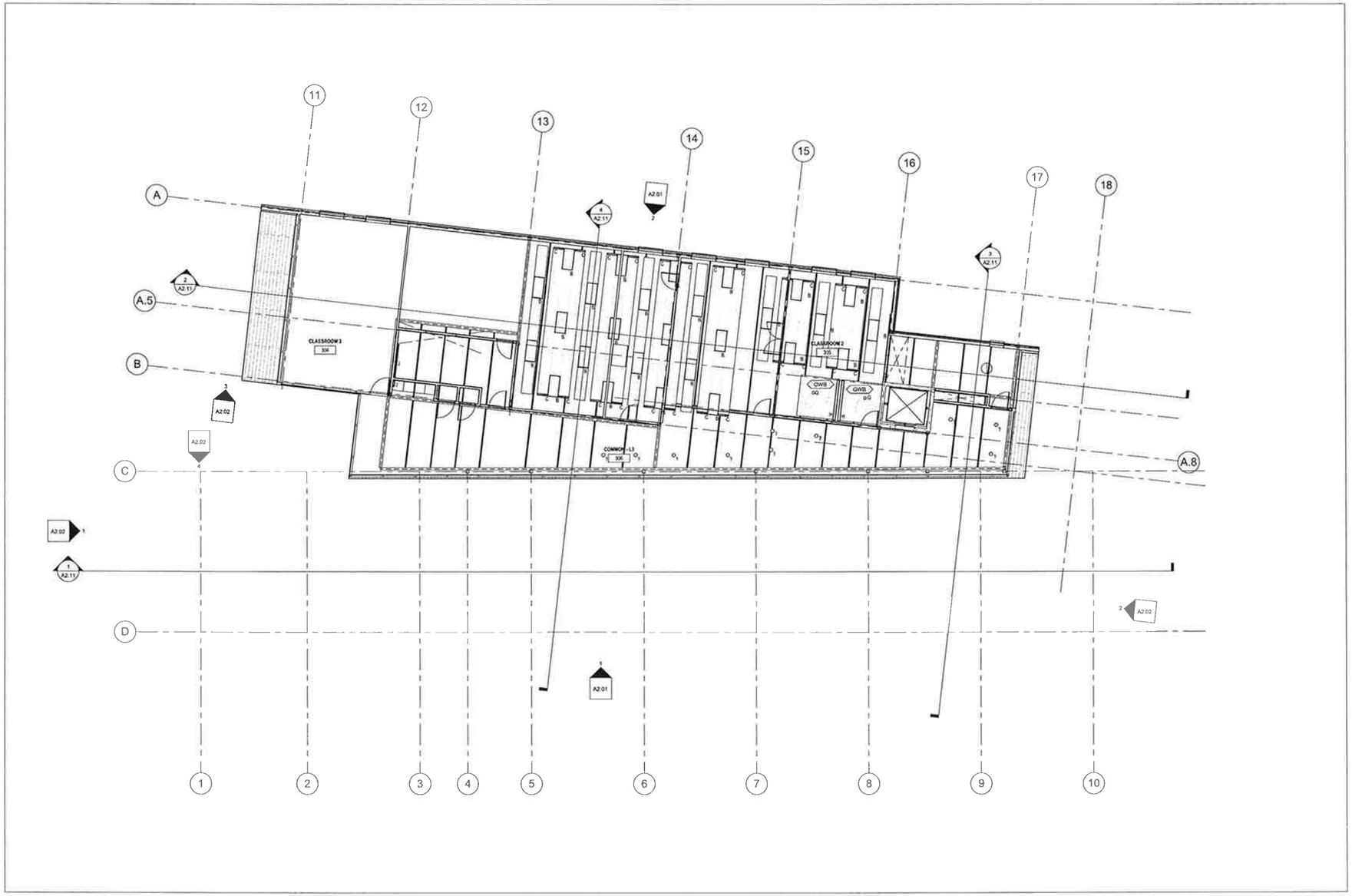
1603	
Roux Center for the Environment	
YK	TM
10/11/16	
As indicated	

SECOND FLOOR REFLECTED CEILING PLAN

A8.02

LIGHT FIXTURE KEY

LABEL	MANUFACTURER	CATALOG NUMBER	DESCRIPTION
A	LUMENWERX	NOV-22PMO-HLO-LED-2300-35	RECESSED 2'X2' LED WITH CENTRAL MICROSCREEN PANEL
B	LUMENWERX	NOV-24-PMO-HLO-LED-5500-35	RECESSED 2'X4' LED WITH CENTRAL MICROSCREEN PANEL
C	LUMENWERX	VIA4-WRO-LED-80-500-30-2FT	RECESSED 4" X 2' LED WALL WASHER
D	LUMENWERX	VW4D-WLO-LED-80-500-35-4FT	RECESSED 4" X 4' LED WITH FLUSH ACRYLIC LENS
E	DELRAY	7702LS0W35	SUSPENDED DIRECT/INDIRECT LED WITH FROSTED LENS
F	GOTHAM	EVO CYL 35/25 BAR LS FINISH - PM	SUSPENDED 8" DIAMETER LED CYLINDER
G	GOTHAM	EVO 35/15 4AR MWD LS	RECESSED 4" DIAMETER LED DOWNLIGHT
H	MARK	SPRLED 4FT H35AD FA	RECESSED 6" WIDE LED WALL SLOT
I	LITHONIA	STL4 40L D40 LP835 MVOLT	SURFACE MOUNTED 8" X 4' LED WRAP
J	LITHONIA	WL4 25L D24 LP835 MVOLT	WALL MOUNTED 4' LED STAIRWELL LIGHT
K	GOTHAM	EVO 35/10 4AR MWD LS	RECESSED 4" DIAMETER LED DOWNLIGHT
L	GOTHAM	IDO CYL 35/15 2AR LSS 5035D MVOLT UGZ	SUSPENDED 2" DIAMETER LED CYLINDER
N	USAI	LRTH-9016-C3-30KS-50-FT-VOLT-DIML2	RECESSED EXTERIOR DOWNLIGHT
P	KENALL	# NLS	WALL MOUNTED EXTERIOR LIGHT



1 LEVEL 3 RCP
1/8" = 1'-0"

10/11/2016 10:53:15 AM

NOTES

1. REFER TO A6.01 FOR INTERIOR FINISHES SCHEDULE AND SPECIFICATION.
2. ALL EXPOSED COLUMN , BRACING TO BE PAINTED.

100% SCHEMATIC DESIGN

Cambridge Seven Associates, Inc.
Architects and Planners
1050 Massachusetts Avenue
Cambridge, MA 02138
617 492-7000 Fax 492-7007

Job No.	1603
Project	Roux Center for the Environment
Drawn: YK	Chkd: TM
Date	10/11/16
Scale	As indicated

THIRD FLOOR REFLECTED CEILING PLAN

A8.03

Bowdoin

Bowdoin College

Roux Center for the Environment