April 22, 2022

Mr. Nicholas Moreno
Executive Director, Boston Conservation Commission
1 City Hall Square, Room 709
Boston, MA 02201

Notice of Intent
University of Massachusetts Boston
100 Morrissey Boulevard, Boston, MA
VERTEX Project No. 62770

Dear Mr. Moreno,

On behalf of the Applicant, the University of Massachusetts Boston, and through you to the Boston Conservation Commission, the Vertex Companies, Inc. (VERTEX) is pleased to provide this letter and attached documents for a Notice of Intent (NOI) filed for the above referenced location. Please find the following included with this letter:

- Two (2) copies of a completed Notice of Intent (WPA Form 3)
- Two (2) copies of a completed Notice of Intent – Boston NOI Form
- Two (2) copies of stamped 11”x17” plans entitled *UMB Harborwalk Repairs and New Fox Point Pedestrian Ramp* prepared by Simpson, Gumpertz & Heger and dated March 2, 2022
- Two (2) copies of 11”x17” plans entitled *Floodplain Coordination Figures* prepared by Simpson, Gumpertz & Heger and dated March 2, 2022
- Two (2) copies of stamped 11”x17” plans entitled *University of Massachusetts-Boston* prepared by Feldman Professional Land Surveyors and dated February 21, 2012.
- Two (2) copies of a section of the USGS quadrangle map of the site location
- Two (2) copies of the Federal Emergency Management Agency Flood Insurance Rate Map for the project site
- Two (2) copies of the Natural Heritage & Endangered Species Program Map for the project site
- Two (2) copies of the figure entitled *Key Plan* dated December 19, 2021 which depicts onsite resource areas and buffer zones
- Two (2) copies of the letter issued by the Massachusetts Department of Environmental Protection regarding the request for minor modification to the Chapter 91 license

- Two (2) copies of the Checklist for Stormwater Report
- Two (2) copies of an Abutters List, Affidavit of Service and Abutter Notification
- Two (2) copies a translated notice, translation certification, and babel notice

Project Narrative

The Applicant proposes repairs and site improvements to portions of the UMass Boston campus. Work is limited to the existing Harborwalk, which has been in place since the campus opened, and Fox Point dock as shown on the attached plans and will take place within 100-ft of a coastal bank, portions of the work will take place within the locally jurisdictional Waterfront Area and Land Subject to Coastal Storm Flowage (LSCSF). No proposed work would directly impact the Coastal Bank Area, no work would occur within this specific area.

For the Harborwalk, nearly a mile of repairs from Morrissey Boulevard to the JFK Library property will be completed. The work will not include any new disturbance or increase in impervious surface.

- Full depth asphalt system replacement - remove existing asphalt and provide new asphalt intermediate course and surface course as shown on the Drawings. This also includes structural repair to areas that have been damaged by previous storms.
- Provide new geotextile fabric and subbase for full-depth asphalt replacement.
- Chain Repairs - add additional links to taught chains and provide new eye bolts where needed along the walkway.
- Reset Granite Bollards - remove deteriorated grout pad and provide new.
- The final elevations of the Harborwalk will match current elevations. No changes in slope direction or elevation are proposed.
- Portions of the Harborwalk work will take place within LSCSF. Disturbance in these areas are temporary to perform the work and will be restored to their original condition upon completion of the work. No new disturbance or increase in impervious surface will occur.

At Fox Point, work includes replacing the existing pedestrian ramp and stairs with a new one. The work will result in minor modifications to previously disturbed areas to accommodate the new ramp and will include:

- Remove and legally dispose of the existing wood-framed ramp and stairs (including railings) and associated foundations as shown on the Drawings.
- Provide new precast concrete stair and landing including all associated connections to cast-in-place concrete foundation walls and pavilion.
- Provide cast-in-place concrete ramp including foundations and walls.
- Provide galvanized steel beams, plates, angles, and connections at new ramp.

- Provide new color-galvanized pedestrian guardrails and handrails on the ramp, stairs, and perimeter of the pavilion.
- Provide new LED pathway lighting along new ramp.
- Please note as well, that the new ramp is designed to preserve an existing mature tree. Removal and replacement of the ramp in its current location would require removal of the tree.
- Existing and proposed topographic information is depicted on plan sheet S-9.

Project phases

Proposed work for the completion of the project is proposed to be divided in five phases. The first one is focused on providing the necessary conditions, and repairs along Harborwalk and Fox Point Ramp to allow the remaining 4 phases to focus on repaving activities. A list of activities for each phase is described below, these are not intended to be exhaustive lists or to be in chronological order.

Phase 1. Works at Fox point ramp and miscellaneous repairs along Harborwalk

- Provide erosion control systems as described in attached plans.
- Provide detour and way finding signage along detour route
- Remove and dispose of existing asphalt pavement, concrete pavement, wood and steel handrails, wood-framed pedestrian ramp framing and foundations and trees as indicated on the plans.
- Remove areas of deteriorated grout at the granite bollards and provide new grout pads as shown on the Harborwalk repair details S-6.
- Reset loose granite bollards.
- Provide cast in place concrete foundations, ramps, and landings.
- Disconnect and remove existing pathway lighting along pedestrian ramp.
- Remove all associated wiring and conduit back to panel.
- Provide new LED pathway lighting along new ramp.
- Provide backfill, topsoil and grass at all disturbed areas.
- Provide joint sealants at ramp control joints.
- Perform miscellaneous repairs along Harborwalk including chain extensions, filling trip hazards, etc.

Phases 2, 3, 4 and 5. Repaving by section

- Provide erosion control systems as described in attached plans.

- Provide detour and way finding signage along detour route
- Remove and dispose of existing asphalt pavement, concrete, wood and other elements as described on plans.
- Excavate and backfill at new asphalt paving system.
- Provide backfill, topsoil and grass at all disturbed areas. All disturbed areas to be regrade and seed.
- Provide new asphalt paving system, hot mix asphalt surface course, hot mix asphalt intermediate coarse, well compacted crushed sub-base, and geotextile to be installed.
- The section corresponding to each phase can be seen in the Phasing Sheet PH-1 of the attached plans.

Stormwater Management Standards

The project involves maintenance work in previously paved and disturbed areas and qualifies as a redevelopment. In addition to the attached Checklist for Stormwater Report, the following is prepared to address the DEP Stormwater Management Standards:

Standard 1: No New Untreated Discharges

As described herein and depicted on the design plans, the project involves construction in previously disturbed areas. Existing grading patterns will be maintained and no new discharges are proposed.

Standard 2: Peak Rate Attenuation

Proposed work will occur in previously disturbed areas and the project qualifies as a redevelopment. A redevelopment project is required to meet Standard 2 to the maximum extent practicable. Peak rates of runoff are not increased by the proposed work. No new stormwater controls are required to attenuate peak rates and none are proposed.

Standard 3: Recharge

Proposed work will occur in previously disturbed areas and the project qualifies as a redevelopment. A redevelopment project is required to meet Standard 3 to the maximum extent practicable. The work zones are not areas traveled by vehicles or subject to other pollutants. The project involves maintenance work on existing onsite improvements. No new recharge measures are proposed.

Standard 4: Water Quality

The project is a redevelopment and the pretreatment and structural best management practices of Standard 4 apply only to the maximum extent practicable. The project involves maintenance work on existing onsite improvements. The work zones are not areas traveled by vehicles or subject to other pollutants. Consistent with prior approvals for upgrades to the Harborwalk, no water quality devices are proposed. The areas will be maintained in accordance with existing maintenance activities performed by UMass Boston.

Standard 5: Land Uses with Higher Pollutant Loads (LUHPPLs)
The uses that are the subject of this Notice of Intent are not LUHPPLs. This Standard does not apply.

Standard 6: Critical Areas
There are no critical areas associated with this project. This Standard does not apply.

Standard 7: Redevelopment
The proposed work is located entirely in previously disturbed areas, consists of maintenance activities and qualifies as a redevelopment. Applicable Standards are met only the maximum extent practicable.

Standard 8: Construction Period Pollution Prevention and Erosion and Sedimentation Control
Erosions controls are provided as depicted as plan sheet PH-2 and as described below:

- Silt fence will be provided around all construction areas.
- For work on the Harborwalk:
    - Wattles are proposed upslope and at the edge of the revetment of the repairs.
    - Wattles are proposed upslope and downslope along utility conduit trench work
    - As this is a linear project, wattles will be placed in locations where subbase is exposed or trenchwork is being performed. Upon paving/stabilization of these areas, wattles will be removed and relocated to unstabilized areas.
- Silt fence will be provided downslope of the Fox Point ramp repair work.

The proposed work zone is approximately 3.5-acres in size. A NPDES Construction General Permit will be required and a SWPPP will be submitted prior to land disturbance.

Standard 9: Operation and Maintenance Plan
No work is proposed in areas subject to vehicular travel. The Harborwalk and Fox Point are maintained by the University. This will continue upon completion of the project.

Standard 10: Prohibition of Illicit Discharges
The subject areas will not generate illicit discharges and no BMPs are proposed. An Illicit Discharge Compliance Statement is not provided with this filing, but will be if required.

<u>Climate Change</u>
As depicted in the data prepared by Climate Ready Boston, by the 2070s sea level rise will likely result in the UMass Boston Campus being effectively cutoff from more inland portions of the City while the campus itself will remain largely unaffected. The construction methods employed for, and elevations of revetment walls will protect the campus from the rising sea level.
The proposed project is removal and replacement of existing Harborwalk features. Accommodating the impacts to sea level rise is not part of this project. All impacts on the site will remain unchanged with or without the project.

Precipitation

The project is not designed to accommodate for increased levels of precipitation. Impervious area on the site will remain the same, not impact of additional runoff is considerate.
Project have not account for increased levels of precipitation. If precipitation levels increase to the level flooding the site, to the proposed improvements will become inaccessible.

Heat island

The project involves removal and replacement of existing onsite features. There will be no impact to increase or decrease heat island effects as result of the project completion.

Land Subject to Coastal Storm Flowage – CZM Manual

As previously discussed, the proposed work will temporarily alter Land Subject to Coastal Storm Flowage. Areas disturbed during construction will be returned to their current state upon completion of the project. To allow the Commission to adequately review the project plans, the delineation of the land subject to coastal storm flowage is shown on the existing and proposed documents. While UMB does not agree with the current FEMA maps, there has not been an effort to revise them. Revetment walls are designed to protect the campus from flooding. Flooding of the LSCSF areas, should it occur, would not result in damage to environmentally sensitive areas such as dunes, but rather render developed portions of the campus inaccessible. There are no changes in ground elevations that would impact the current state of the LSCSF.

The Harborwalk is intentionally constructed at the edge of the campus along the revetments to promote walkability and take advantage of the campus' waterfront location. The proposed project involves maintenance on the walkway and will not result in an increase in impervious surfaces. The Fox Point ramp is located along a portion of the Harborwalk and takes advantage of the same revetment walls.

We appreciate your consideration and look forward to further discussion at the next public hearing of the Conservation Commission. Please feel free to contact me should you have any questions or concerns.

Sincerely,

The Vertex Companies Inc.

Andrew B. Street, P.E.
Senior Project Manager

cc: University of Massachusetts Boston. – Applicant
MassDEP NERO

Notice of Intent (NOI)

UMASS Harborwalk
University of Massachusetts Boston
100 Morrissey Boulevard
Boston, Massachusetts

DATE: April 22, 2022

PREPARED FOR:
Boston Conservation Commission
1 City Hall Square
Boston, MA 02201

PREPARED BY:
The Vertex Companies, Inc.
100 North Washington Street, Suite 302
Boston, MA 02114

PHONE:617.275.5407

VERTEX PROJECT NO: 62770

Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:
MassDEP File Number
Document Transaction Number
Boston
City/Town

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.

Note: Before completing this form consult your local Conservation Commission regarding any municipal bylaw or ordinance.

A. General Information

1. Project Location (**Note:** electronic filers will click on button to locate project site):

100 Morrissey Boulevard — a. Street Address
Boston — b. City/Town
02125 — c. Zip Code

Latitude and Longitude:
42.31 — d. Latitude
-71.04 — e. Longitude

f. Assessors Map/Plat Number
Parcel ID: 1303400000 — g. Parcel /Lot Number

2. Applicant:

Zehra — a. First Name
Schneider Graham — b. Last Name
University of Massachusetts Boston — c. Organization
100 Morrissey Boulevard — d. Street Address
Boston — e. City/Town
MA — f. State
02125 — g. Zip Code
617.287.5445 — h. Phone Number
i. Fax Number
zehra@umb.edu — j. Email Address

3. Property owner (required if different from applicant): ☐ Check if more than one owner

a. First Name
b. Last Name
Commonwealth of Massachusetts — c. Organization
24 Beacon Street — d. Street Address
Boston — e. City/Town
MA — f. State
02125 — g. Zip Code
h. Phone Number
i. Fax Number
j. Email address

4. Representative (if any):

Andrew — a. First Name
Street — b. Last Name
The Vertex Companies, Inc. — c. Company
100 North Washington Street, Suite 302 — d. Street Address
Boston — e. City/Town
MA — f. State
02114 — g. Zip Code
617.275.5407 — h. Phone Number
i. Fax Number
astreet@vertexeng.com — j. Email address

5. Total WPA Fee Paid (from NOI Wetland Fee Transmittal Form):

$2037.50 — a. Total Fee Paid
$237.50 — b. State Fee Paid
$1800 (Local Bylaw Only) — c. City/Town Fee Paid

Massachusetts Department of Environmental Protection
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A. General Information (continued)

6. General Project Description:

The project includes repairs to the UMass Boston Harborwalk between Morrissey Boulevard and the JFK Library and replacement of a pedestrian ramp at Fox Point. The resource area is 100 ft. buffer to the top of the coastal bank, land subject to costal storm flowage, and the locally jurisdictional Waterfront Area.

7a. Project Type Checklist: (Limited Project Types see Section A. 7b.)

1. ☐ Single Family Home
2. ☐ Residential Subdivision
3. ☐ Commercial/Industrial
4. ☐ Dock/Pier
5. ☐ Utilities
6. ☐ Coastal engineering Structure
7. ☐ Agriculture (e.g., cranberries, forestry)
8. ☐ Transportation
9. ☒ Other

7b. Is any portion of the proposed activity eligible to be treated as a limited project (including Ecological Restoration Limited Project) subject to 310 CMR 10.24 (coastal) or 310 CMR 10.53 (inland)?

1. ☐ Yes ☒ No

If yes, describe which limited project applies to this project. (See 310 CMR 10.24 and 10.53 for a complete list and description of limited project types)

2. Limited Project Type

If the proposed activity is eligible to be treated as an Ecological Restoration Limited Project (310 CMR10.24(8), 310 CMR 10.53(4)), complete and attach Appendix A: Ecological Restoration Limited Project Checklist and Signed Certification.

8. Property recorded at the Registry of Deeds for:

Suffolk
a. County

b. Certificate # (if registered land)

c. Book

d. Page Number

B. Buffer Zone & Resource Area Impacts (temporary & permanent)

1. ☐ Buffer Zone Only – Check if the project is located only in the Buffer Zone of a Bordering Vegetated Wetland, Inland Bank, or Coastal Resource Area.
2. ☐ Inland Resource Areas (see 310 CMR 10.54-10.58; if not applicable, go to Section B.3, Coastal Resource Areas).

Check all that apply below. Attach narrative and any supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.

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B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

For all projects affecting other Resource Areas, please attach a narrative explaining how the resource area was delineated.

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. ☐ Bank	1. linear feet	2. linear feet
b. ☐ Bordering Vegetated Wetland	1. square feet	2. square feet
c. ☐ Land Under Waterbodies and Waterways	1. square feet 3. cubic yards dredged	2. square feet

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
d. ☐ Bordering Land Subject to Flooding	1. square feet	2. square feet
	3. cubic feet of flood storage lost	4. cubic feet replaced
e. ☐ Isolated Land Subject to Flooding	1. square feet	
	2. cubic feet of flood storage lost	3. cubic feet replaced
f. ☐ Riverfront Area	1. Name of Waterway (if available) - **specify coastal or inland**	

2. Width of Riverfront Area (check one):

☐ 25 ft. - Designated Densely Developed Areas only

☐ 100 ft. - New agricultural projects only

☐ 200 ft. - All other projects

3. Total area of Riverfront Area on the site of the proposed project: _____ square feet

4. Proposed alteration of the Riverfront Area:

a. total square feet _____ b. square feet within 100 ft. _____ c. square feet between 100 ft. and 200 ft. _____

5. Has an alternatives analysis been done and is it attached to this NOI? ☐ Yes ☐ No

6. Was the lot where the activity is proposed created prior to August 1, 1996? ☐ Yes ☐ No

3. ☒ Coastal Resource Areas: (See 310 CMR 10.25-10.35)

Note: for coastal riverfront areas, please complete **Section B.2.f**. above.

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Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

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B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

Check all that apply below. Attach narrative and supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.

Online Users: Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. ☐ Designated Port Areas	Indicate size under Land Under the Ocean, below	
b. ☐ Land Under the Ocean	1. square feet 2. cubic yards dredged	
c. ☐ Barrier Beach	Indicate size under Coastal Beaches and/or Coastal Dunes below	
d. ☐ Coastal Beaches	1. square feet	2. cubic yards beach nourishment
e. ☐ Coastal Dunes	1. square feet	2. cubic yards dune nourishment

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
f. ☐ Coastal Banks	1. linear feet	
g. ☐ Rocky Intertidal Shores	1. square feet	
h. ☐ Salt Marshes	1. square feet	2. sq ft restoration, rehab., creation
i. ☐ Land Under Salt Ponds	1. square feet 2. cubic yards dredged	
j. ☐ Land Containing Shellfish	1. square feet	
k. ☐ Fish Runs	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above 1. cubic yards dredged	
l. ☒ Land Subject to Coastal Storm Flowage	90,000 1. square feet	

4. ☐ Restoration/Enhancement
If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.

a. square feet of BVW

b. square feet of Salt Marsh

5. ☐ Project Involves Stream Crossings

a. number of new stream crossings

b. number of replacement stream crossings

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C. Other Applicable Standards and Requirements

☐ This is a proposal for an Ecological Restoration Limited Project. Skip Section C and complete Appendix A: Ecological Restoration Limited Project Checklists – Required Actions (310 CMR 10.11).

Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

1. Is any portion of the proposed project located in **Estimated Habitat of Rare Wildlife** as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage and Endangered Species Program (NHESP)? To view habitat maps, see the *Massachusetts Natural Heritage Atlas* or go to http://maps.massgis.state.ma.us/PRI_EST_HAB/viewer.htm.

   a. ☐ Yes ☒ No

   If yes, include proof of mailing or hand delivery of NOI to:

   Natural Heritage and Endangered Species Program
   Division of Fisheries and Wildlife
   1 Rabbit Hill Road
   Westborough, MA 01581

   8/21
   b. Date of map

   If *yes*, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18). To qualify for a streamlined, 30-day, MESA/Wetlands Protection Act review, please complete Section C.1.c, and include requested materials with this Notice of Intent (NOI); *OR* complete Section C.2.f, if applicable. *If MESA supplemental information is not included with the NOI, by completing Section 1 of this form, the NHESP will require a separate MESA filing which may take up to 90 days to review (unless noted exceptions in Section 2 apply, see below).*

   c. Submit Supplemental Information for Endangered Species Review*

      1. ☐ Percentage/acreage of property to be altered:

         (a) within wetland Resource Area _____ percentage/acreage

         (b) outside Resource Area _____ percentage/acreage

      2. ☐ Assessor's Map or right-of-way plan of site

2. ☐ Project plans for entire project site, including wetland resource areas and areas outside of wetlands jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work **

   (a) ☐ Project description (including description of impacts outside of wetland resource area & buffer zone)

   (b) ☐ Photographs representative of the site

* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see https://www.mass.gov/ma-endangered-species-act-mesa-regulatory-review).
Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

** MESA projects may not be segmented (321 CMR 10.16). The applicant must disclose full development plans even if such plans are not required as part of the Notice of Intent process.

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C. Other Applicable Standards and Requirements (cont'd)

(c) ☐ MESA filing fee (fee information available at https://www.mass.gov/how-to/how-to-file-for-a-mesa-project-review).
Make check payable to "Commonwealth of Massachusetts - NHESP" and ***mail to NHESP*** at above address

*Projects altering **10 or more acres** of land, also submit:*

(d) ☐ Vegetation cover type map of site

(e) ☐ Project plans showing Priority & Estimated Habitat boundaries

(f) OR Check One of the Following

1. ☐ Project is exempt from MESA review.
Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, https://www.mass.gov/service-details/exemptions-from-review-for-projectsactivities-in-priority-habitat; the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59.)

2. ☐ Separate MESA review ongoing. a. NHESP Tracking # b. Date submitted to NHESP

3. ☐ Separate MESA review completed.
Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.

3. For coastal projects only, is any portion of the proposed project located below the mean high water line or in a fish run?

a. ☐ Not applicable – project is in inland resource area only b. ☐ Yes ☒ No

If yes, include proof of mailing, hand delivery, or electronic delivery of NOI to either:

South Shore - Cohasset to Rhode Island border, and the Cape & Islands:

Division of Marine Fisheries -
Southeast Marine Fisheries Station
Attn: Environmental Reviewer
836 South Rodney French Blvd.
New Bedford, MA 02744
Email: dmf.envreview-south@mass.gov

North Shore - Hull to New Hampshire border:

Division of Marine Fisheries -
North Shore Office
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930
Email: dmf.envreview-north@mass.gov

Also if yes, the project may require a Chapter 91 license. For coastal towns in the Northeast Region, please contact MassDEP's Boston Office. For coastal towns in the Southeast Region, please contact MassDEP's Southeast Regional Office.

c. ☐ Is this an aquaculture project? d. ☐ Yes ☐ No

If yes, include a copy of the Division of Marine Fisheries Certification Letter (M.G.L. c. 130, § 57).

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C. Other Applicable Standards and Requirements (cont'd)

Online Users: Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

4. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?

   a. ☐ Yes ☒ No If yes, provide name of ACEC (see instructions to WPA Form 3 or MassDEP Website for ACEC locations). **Note:** electronic filers click on Website.

   b. ACEC

5. Is any portion of the proposed project within an area designated as an Outstanding Resource Water (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?

   a. ☐ Yes ☒ No

6. Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L. c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L. c. 130, § 105)?

   a. ☐ Yes ☒ No

7. Is this project subject to provisions of the MassDEP Stormwater Management Standards?

   a. ☒ Yes. Attach a copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) and check if:

      1. ☐ Applying for Low Impact Development (LID) site design credits (as described in Stormwater Management Handbook Vol. 2, Chapter 3)

      2. ☒ A portion of the site constitutes redevelopment

      3. ☐ Proprietary BMPs are included in the Stormwater Management System.

   b. ☐ No. Check why the project is exempt:

      1. ☐ Single-family house

      2. ☐ Emergency road repair

      3. ☐ Small Residential Subdivision (less than or equal to 4 single-family houses or less than or equal to 4 units in multi-family housing project) with no discharge to Critical Areas.

D. Additional Information

☐ This is a proposal for an Ecological Restoration Limited Project. Skip Section D and complete Appendix A: Ecological Restoration Notice of Intent – Minimum Required Documents (310 CMR 10.12).

Applicants must include the following with this Notice of Intent (NOI). See instructions for details.

Online Users: Attach the document transaction number (provided on your receipt page) for any of the following information you submit to the Department.

1. ☒ USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)

2. ☒ Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative to the boundaries of each affected resource area.

Massachusetts Department of Environmental Protection
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D. Additional Information (cont'd)

3. ☐ Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s), Determination of Applicability, Order of Resource Area Delineation, etc.), and attach documentation of the methodology.

4. ☒ List the titles and dates for all plans and other materials submitted with this NOI.

UMB Harborwalk Repairs and New Fox Point Pedestrian Ram - Sheets T-1-E100
a. Plan Title

Simpson, Gumpertz & Heger
b. Prepared By

John M. Porter
c. Signed and Stamped by

d. Final Revision Date

1/32" = 1'0"
e. Scale

f. Additional Plan or Document Title

g. Date

5. ☐ If there is more than one property owner, please attach a list of these property owners not listed on this form.

6. ☐ Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed.

7. ☐ Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed.

8. ☒ Attach NOI Wetland Fee Transmittal Form

9. ☐ Attach Stormwater Report, if needed.

E. Fees

1. ☐ Fee Exempt: No filing fee shall be assessed for projects of any city, town, county, or district of the Commonwealth, federally recognized Indian tribe housing authority, municipal housing authority, or the Massachusetts Bay Transportation Authority.

Applicants must submit the following information (in addition to pages 1 and 2 of the NOI Wetland Fee Transmittal Form) to confirm fee payment:

2. Municipal Check Number

3. Check date

4. State Check Number

5. Check date

6. Payor name on check: First Name

7. Payor name on check: Last Name

Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Boston
City/Town

F. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made by Certificate of Mailing or in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

1. Signature of Applicant	2. Date: 03/22/22
3. Signature of Property Owner (if different)	4. Date
5. Signature of Representative (if any)	6. Date: 04/06/2022

For Conservation Commission:
Two copies of the completed Notice of Intent (Form 3), including supporting plans and documents, two copies of the NOI Wetland Fee Transmittal Form, and the city/town fee payment, to the Conservation Commission by certified mail or hand delivery.

For MassDEP:
One copy of the completed Notice of Intent (Form 3), including supporting plans and documents, one copy of the NOI Wetland Fee Transmittal Form, and a **copy** of the state fee payment to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery.

Other:
If the applicant has checked the “yes” box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.

Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

NOI Wetland Fee Transmittal Form

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.

A. Applicant Information

1. Location of Project:

100 Morrissey Boulevard	Boston
a. Street Address	b. City/Town
	$237.50
c. Check number	d. Fee amount

2. Applicant Mailing Address:

Zehra		Schneider Graham
a. First Name		b. Last Name
University of Massachusetts Boston		
c. Organization		
100 Morrissey Boulevard		
d. Mailing Address		
Boston	MA	02125
e. City/Town	f. State	g. Zip Code
617.287.5445		zehra@umb.edu
h. Phone Number	i. Fax Number	j. Email Address

3. Property Owner (if different):

a. First Name		b. Last Name
Commonwealth of Massachusetts		
c. Organization		
24 Beacon Street		
d. Mailing Address		
Boston	MA	02125
e. City/Town	f. State	g. Zip Code
h. Phone Number	i. Fax Number	j. Email Address

B. Fees

To calculate filing fees, refer to the category fee list and examples in the instructions for filling out WPA Form 3 (Notice of Intent).

Fee should be calculated using the following process & worksheet. ***Please see Instructions before filling out worksheet.***

Step 1/Type of Activity: Describe each type of activity that will occur in wetland resource area and buffer zone.

Step 2/Number of Activities: Identify the number of each type of activity.

Step 3/Individual Activity Fee: Identify each activity fee from the six project categories listed in the instructions.

Step 4/Subtotal Activity Fee: Multiply the number of activities (identified in Step 2) times the fee per category (identified in Step 3) to reach a subtotal fee amount. Note: If any of these activities are in a Riverfront Area in addition to another Resource Area or the Buffer Zone, the fee per activity should be multiplied by 1.5 and then added to the subtotal amount.

Step 5/Total Project Fee: Determine the total project fee by adding the subtotal amounts from Step 4.

Step 6/Fee Payments: To calculate the state share of the fee, divide the total fee in half and subtract $12.50. To calculate the city/town share of the fee, divide the total fee in half and add $12.50.

Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

NOI Wetland Fee Transmittal Form

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

B. Fees (continued)

Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
Category 2	1	$500	$500

Step 5/Total Project Fee: $500

Step 6/Fee Payments:

Total Project Fee:	$500 (a. Total Fee from Step 5)
State share of filing Fee:	$237.50 (b. 1/2 Total Fee **less $**12.50)
City/Town share of filling Fee:	N/A (Local Bylaw Only) (c. 1/2 Total Fee **plus** $12.50)

C. Submittal Requirements

a.) Complete pages 1 and 2 and send with a check or money order for the state share of the fee, payable to the Commonwealth of Massachusetts.

Department of Environmental Protection
Box 4062
Boston, MA 02211

b.) **To the Conservation Commission:** Send the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and the city/town fee payment.

To MassDEP Regional Office (see Instructions): Send a copy of the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and a **copy** of the state fee payment. (E-filers of Notices of Intent may submit these electronically.)

INSTRUCTIONS FOR COMPLETING APPLICATION NOTICE OF INTENT – BOSTON NOI FORM

The Boston Notice of Intent Form is intended to be a supplement to the WPA Form 3 detailing impacts to locally designated wetland resource areas and buffer zones. Please read these instructions for assistance in completing the Notice of Intent application form. These instructions cover certain items on the Notice of Intent form that are not self-explanatory.

INSTRUCTIONS TO SECTION B: BUFFER ZONE AND RESOURCE AREA IMPACTS

Item 1. Buffer Zone Only. If you check the Buffer Zone Only box in this section you are indicating that the project is entirely in the Buffer Zone to a resource area ***under both*** the Wetlands Protection Act and Boston Wetlands Ordinance. If so, skip the remainder of Section B and go directly to Section C. Do not check this box if the project is within the Waterfront Area.

Item 2. The ***boundaries of coastal resource areas*** specific to the Ordinance can be found in Section II of the Boston Wetlands Regulations. You must also include the size of the proposed alterations (and proposed replacement areas) in each resource area.

Item 3. The ***boundaries of inland resource areas*** specific to the Ordinance can be found in Section II of the Boston Wetlands Regulations. You must also include the size of the proposed alterations (and proposed replacement areas) in each resource area.

INSTRUCTIONS TO SECTION C: OTHER APPLICABLE STANDARDS AND REQUIREMENTS

Item 1. Rare Wetland Wildlife Habitat. Except for Designated Port Areas, no work (including work in the Buffer Zone) may be permitted in any resource area that would have adverse effects on the habitat of rare, "state-listed" vertebrate or invertebrate animal species.

The most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife is published by the Natural Heritage and Endangered Species Program (NHESP). See: http://maps.massgis.state.ma.us/PRI_EST_HAB/viewer.htm or the *Massachusetts Natural Heritage Atlas*.

If any portion of the proposed project is located within Estimated Habitat, the applicant must send the Natural Heritage Program, at the following address, a copy of the Notice of Intent by certified mail or priority mail (or otherwise sent in a manner that guarantees delivery within two days), no later than the date of the filing of the Notice of Intent with the Conservation Commission.

Evidence of mailing to the Natural Heritage Program (such as Certified Mail Receipt or Certificate of Mailing for Priority Mail) must be submitted to the Conservation Commission along with the Notice of Intent.

Natural Heritage and Endangered Species Program
Division of Fisheries and Wildlife
1 Rabbit Hill Road
Westborough, MA 01581-3336
508.792.7270

City of Boston Environment

NOTICE OF INTENT APPLICATION FORM
Boston Wetlands Ordinance
City of Boston Code, Ordinances, Chapter 7-1.4

Boston File Number

MassDEP File Number

A. GENERAL INFORMATION

1. Project Location

a. Street Address	b. City/Town	c. Zip Code
100 Morrissey Boulevard	Boston	02125

f. Assessors Map/Plat Number	g. Parcel /Lot Number
	Parcel ID: 1303400000

2. Applicant

a. First Name	b. Last Name	c. Company
Zehra	Schneider Graham	University of Massachusetts Boston

d. Mailing Address: 100 Morrissey Boulevard

e. City/Town	f. State	g. Zip Code
Boston	MA	02125

h. Phone Number	i. Fax Number	j. Email address
617.287.5445		zehra@umb.edu

3. Property Owner

a. First Name	b. Last Name	c. Company
		Commonwealth of Massachusetts

d. Mailing Address: 24 Beacon Street

e. City/Town	f. State	g. Zip Code
Boston	MA	02125

h. Phone Number	i. Fax Number	j. Email address
617.287.5445		

❑ Check if more than one owner

(If there is more than one property owner, please attach a list of these property owners to this form.)

4. Representative (if any)

a. First Name	b. Last Name	c. Company
Andrew	Street	The Vertex Companies, Inc.

d. Mailing Address: 100 North Washington Street, Suite 302

e. City/Town	f. State	g. Zip Code
Boston	MA	02114

h. Phone Number	i. Fax Number	j. Email address
781.400.6882		astreet@vertexeng.com

5. Is any portion of the proposed project jurisdictional under the Massachusetts Wetlands Protection Act M.G.L. c. 131 §40?

☒ Yes ☐ No

If yes, please file the WPA Form 3 - Notice of Intent with this form

6. General Information

The project includes repairs to the UMass Boston Harborwalk between Morrissey Boulevard and the JFK Library and replacement of a pedestrian ramp at Fox Point.The resource area is 100 ft. buffer to the top of the coastal bank, land subject to coastal storm flowage, and the locally jurisdictional Waterfront Area.

7. Project Type Checklist

a. ☐ Single Family Home
b. ☐ Residential Subdivision
c. ☐ Limited Project Driveway Crossing
d. ☐ Commercial/Industrial
e. ☐ Dock/Pier
f. ☐ Utilities
g. ☐ Coastal Engineering Structure
h. ☐ Agriculture – cranberries, forestry
i. ☐ Transportation
j. ☒ Other

8. Property recorded at the Registry of Deeds

Suffolk
a. County

b. Page Number

c. Book

d. Certificate # (if registered land)

9. Total Fee Paid

$2,037.50
a. Total Fee Paid

$237.50
b. State Fee Paid

$1800.00 (Local Bylaw only)
c. City Fee Paid

B. BUFFER ZONE & RESOURCE AREA IMPACTS

Buffer Zone Only - Is the project located only in the Buffer Zone of a resource area protected by the Boston Wetlands Ordinance?

☐ Yes ☒ No

1. Coastal Resource Areas

Resource Area	Resource Area Size	Proposed Alteration*	Proposed Migitation
❑ *Coastal Flood Resilience Zone*	*Square feet*	*Square feet*	*Square feet*
☒ *25-foot Waterfront Area*	186,000 *Square feet*	130,000 *Square feet*	*Square feet*
❑ *100-foot Salt Marsh Area*	*Square feet*	*Square feet*	*Square feet*
❑ *Riverfront Area*	*Square feet*	*Square feet*	*Square feet*

2. Inland Resource Areas

Resource Area	Resource Area Size	Proposed Alteration*	Proposed Migitation
❑ *Inland Flood Resilience Zone*	*Square feet*	*Square feet*	*Square feet*
❑ *Isolated Wetlands*	*Square feet*	*Square feet*	*Square feet*
❑ *Vernal Pool*	*Square feet*	*Square feet*	*Square feet*
❑ *Vernal Pool Habitat (vernal pool + 100 ft. upland area)*	*Square feet*	*Square feet*	*Square feet*
❑ *25-foot Waterfront Area*	*Square feet*	*Square feet*	*Square feet*
❑ *Riverfront Area*	*Square feet*	*Square feet*	*Square feet*

C. OTHER APPLICABLE STANDARDS & REQUIREMENTS

1. What other permits, variances, or approvals are required for the proposed activity described herein and what is the status of such permits, variances, or approvals?

None

2. Is any portion of the proposed project located in Estimated Habitat of Rare Wildlife as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wildlife published by the Natural Heritage and Endangered Species Program (NHESP)? To view habitat maps, see the Massachusetts Natural Heritage Atlas or go to http://www.mass.gov/dfwele/dfw/nhesp/nhregmap.htm.

❑ Yes ☒ No

If *yes*, the project is subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18).

A. Submit Supplemental Information for Endangered Species Review

☐ Percentage/acreage of property to be altered:

(1) within wetland Resource Area _____ percentage/acreage

(2) outside Resource Area _____ percentage/acreage

☐ Assessor's Map or right-of-way plan of site

3. Is any portion of the proposed project within an Area of Critical Environmental Concern?

❑ Yes ☒ No

If yes, provide the name of the ACEC: _____

4. Is the proposed project subject to provisions of the Massachusetts Stormwater Management Standards?

☒ *Yes. Attach a copy of the Stormwater Checklist & Stormwater Report as required.*
- ❑ *Applying for a Low Impact Development (LID) site design credits*
- ☒ *A portion of the site constitutes redevelopment*
- ❑ *Proprietary BMPs are included in the Stormwater Management System*

❑ *No. Check below & include a narrative as to why the project is exempt*
- ❑ *Single-family house*
- ❑ *Emergency road repair*
- ❑ *Small Residential Subdivision (less than or equal to 4 single family houses or less than or equal to 4 units in a multifamily housing projects) with no discharge to Critical Areas*

5. Is the proposed project subject to Boston Water and Sewer Commission Review?

❑ Yes ☒ No

D. SIGNATURES AND SUBMITTAL REQUIREMENTS

I hereby certify under the penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the Wetlands Protection Ordinance.

Signature of Applicant — 03/22/22 — Date

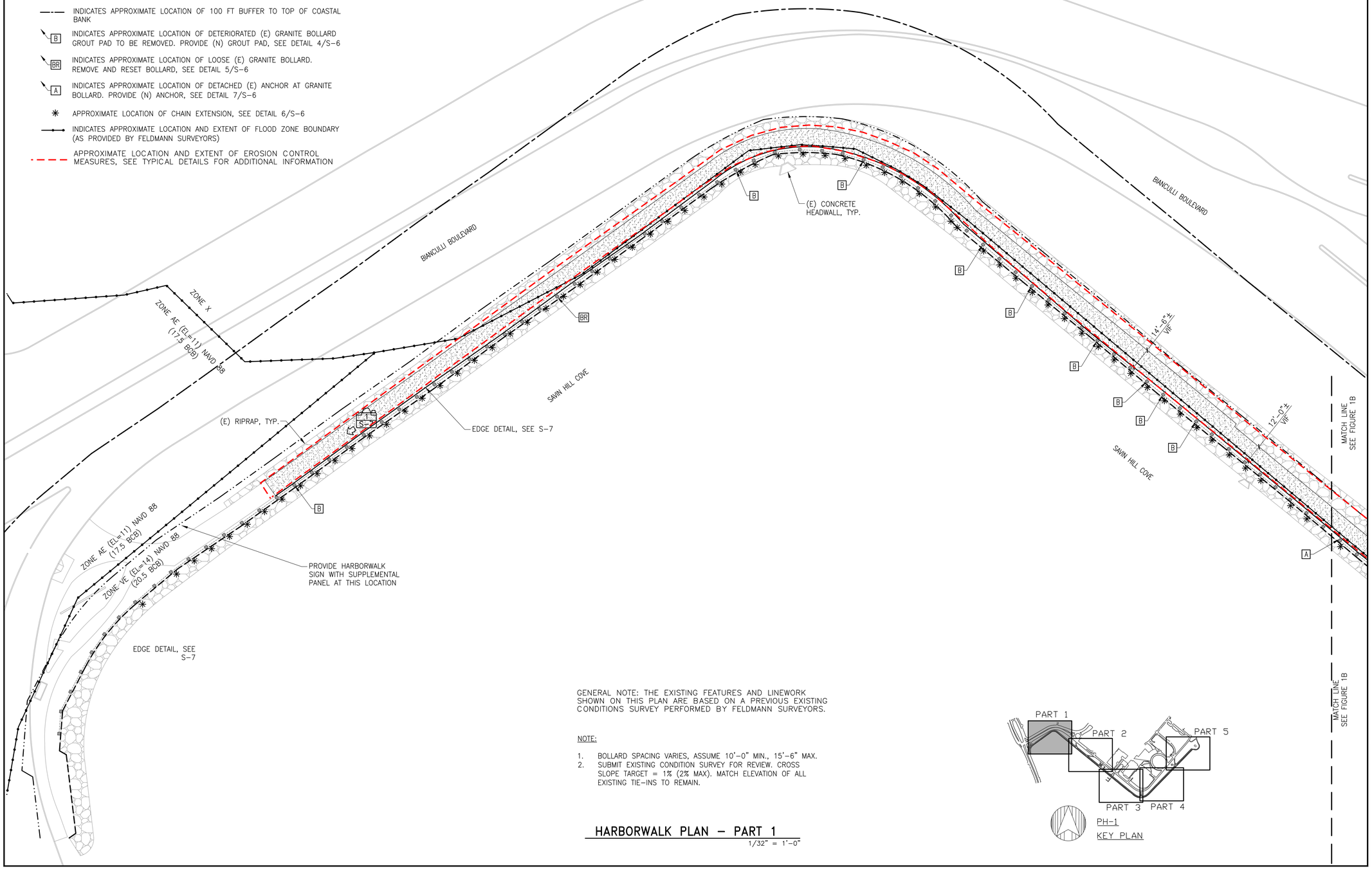
Signature of Property Owner (if different) — Date

Signature of Representative (if any) — 04/06/2022 — Date

LEGEND:

- (E) GRANITE BOLLARD
- (E) CHAIN
- INDICATES APPROXIMATE EXTENT AND LOCATION OF (E) PAVING TO BE REMOVED. PROVIDE (N) ASPHALT PAVING SYSTEM, SEE DETAIL 1/S-6
- INDICATES APPROXIMATE EXTENT OF EDGE DETAIL, SEE SECTION 8/S-6 FOR OPTIONS
- INDICATES APPROXIMATE LOCATION OF TOP OF COASTAL BANK
- INDICATES APPROXIMATE LOCATION OF LOCALLY JURISDICTIONAL WATERFRONT AREA (25 FT FROM TOP OF COASTAL BANK)
- INDICATES APPROXIMATE LOCATION OF 100 FT BUFFER TO TOP OF COASTAL BANK
- B — INDICATES APPROXIMATE LOCATION OF DETERIORATED (E) GRANITE BOLLARD GROUT PAD TO BE REMOVED. PROVIDE (N) GROUT PAD, SEE DETAIL 4/S-6
- BR — INDICATES APPROXIMATE LOCATION OF LOOSE (E) GRANITE BOLLARD. REMOVE AND RESET BOLLARD, SEE DETAIL 5/S-6
- A — INDICATES APPROXIMATE LOCATION OF DETACHED (E) ANCHOR AT GRANITE BOLLARD. PROVIDE (N) ANCHOR, SEE DETAIL 7/S-6
- APPROXIMATE LOCATION OF CHAIN EXTENSION, SEE DETAIL 6/S-6
- INDICATES APPROXIMATE LOCATION AND EXTENT OF FLOOD ZONE BOUNDARY (AS PROVIDED BY FELDMANN SURVEYORS)
- APPROXIMATE LOCATION AND EXTENT OF EROSION CONTROL MEASURES, SEE TYPICAL DETAILS FOR ADDITIONAL INFORMATION

FOR COORDINATION ONLY – THIS FIGURE SHOWS THE OVERLAY OF THE PROPOSED WORK ALONG THE HARBORWALK AND THE APPROXIMATE FLOODPLAIN LOCATIONS AS PROVIDED BY FELDMANN SURVEYORS ON THE ATTACHED STAMPED SURVEY DRAWINGS



GENERAL NOTE: THE EXISTING FEATURES AND LINEWORK SHOWN ON THIS PLAN ARE BASED ON A PREVIOUS EXISTING CONDITIONS SURVEY PERFORMED BY FELDMANN SURVEYORS.

NOTE:

1. BOLLARD SPACING VARIES, ASSUME 10'-0" MIN., 15'-6" MAX.
2. SUBMIT EXISTING CONDITION SURVEY FOR REVIEW. CROSS SLOPE TARGET = 1% (2% MAX). MATCH ELEVATION OF ALL EXISTING TIE-INS TO REMAIN.

HARBORWALK PLAN – PART 1

1/32" = 1'-0"

PH-1
KEY PLAN

Consultant

No.	Date	Description	By

UMB HARBORWALK REPAIRS AND NEW FOX POINT PEDESTRIAN RAMP
UMASS BOSTON
BOSTON HARBOR CAMPUS
100 Morrissey Boulevard
Project **Boston, MA 02125**

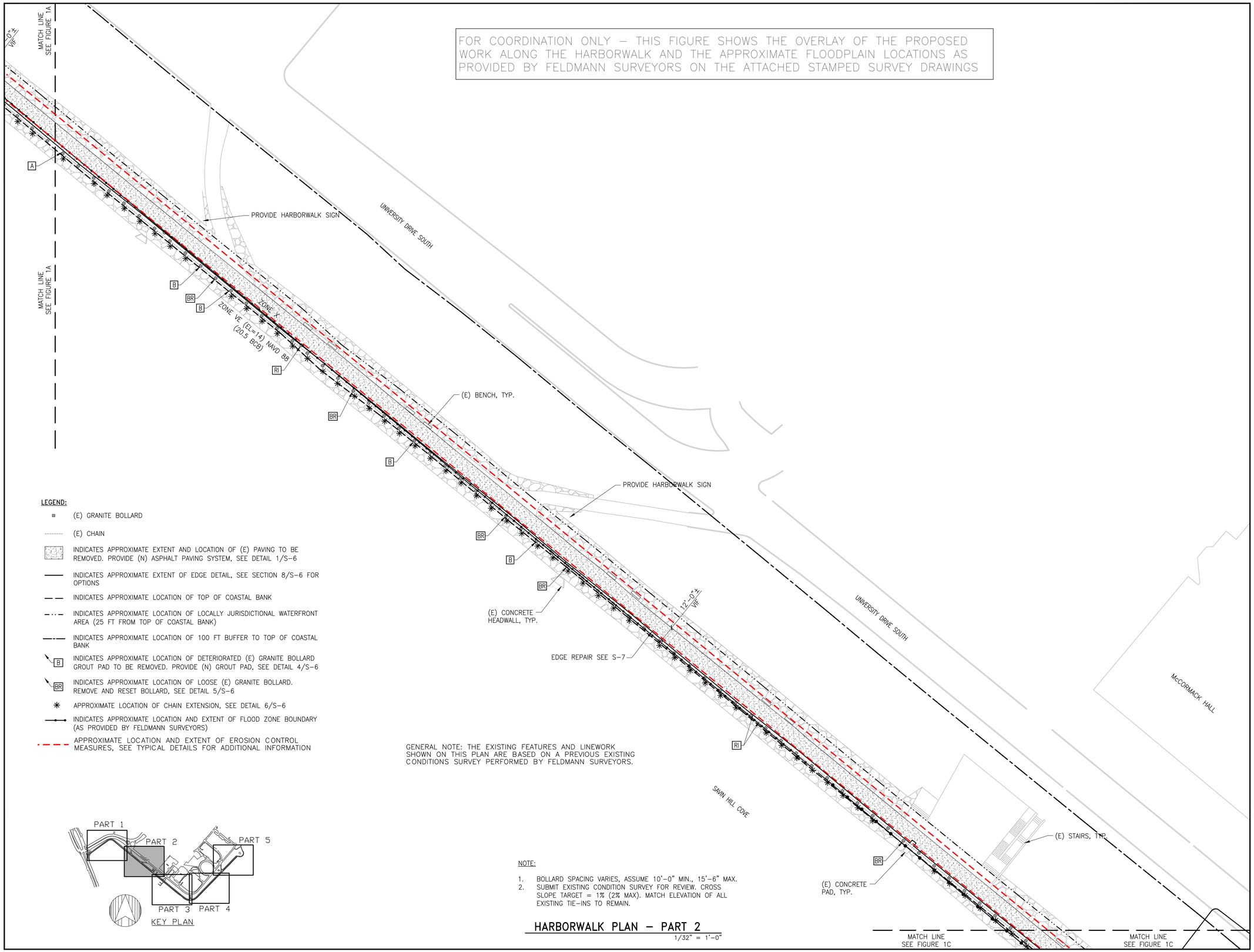
FLOODPLAIN COORDINATION FIGURE PART 1
Drawing Title

Project No.	Checked	Date
Drawn	Approved	Scale AS SHOWN

COMMONWEALTH OF MASSACHUSETTS
ANDREW J CHAGNON
CIVIL
No. 46113
REGISTERED PROFESSIONAL ENGINEER
Seal

Drawing No.
FIG. 1A

FOR COORDINATION ONLY – THIS FIGURE SHOWS THE OVERLAY OF THE PROPOSED WORK ALONG THE HARBORWALK AND THE APPROXIMATE FLOODPLAIN LOCATIONS AS PROVIDED BY FELDMANN SURVEYORS ON THE ATTACHED STAMPED SURVEY DRAWINGS



LEGEND:

- (E) GRANITE BOLLARD
- (E) CHAIN
- INDICATES APPROXIMATE EXTENT AND LOCATION OF (E) PAVING TO BE REMOVED. PROVIDE (N) ASPHALT PAVING SYSTEM, SEE DETAIL 1/S-6
- INDICATES APPROXIMATE EXTENT OF EDGE DETAIL, SEE SECTION 8/S-6 FOR OPTIONS
- INDICATES APPROXIMATE LOCATION OF TOP OF COASTAL BANK
- INDICATES APPROXIMATE LOCATION OF LOCALLY JURISDICTIONAL WATERFRONT AREA (25 FT FROM TOP OF COASTAL BANK)
- INDICATES APPROXIMATE LOCATION OF 100 FT BUFFER TO TOP OF COASTAL BANK
- B — INDICATES APPROXIMATE LOCATION OF DETERIORATED (E) GRANITE BOLLARD GROUT PAD TO BE REMOVED. PROVIDE (N) GROUT PAD, SEE DETAIL 4/S-6
- BR — INDICATES APPROXIMATE LOCATION OF LOOSE (E) GRANITE BOLLARD. REMOVE AND RESET BOLLARD, SEE DETAIL 5/S-6
- APPROXIMATE LOCATION OF CHAIN EXTENSION, SEE DETAIL 6/S-6
- INDICATES APPROXIMATE LOCATION AND EXTENT OF FLOOD ZONE BOUNDARY (AS PROVIDED BY FELDMANN SURVEYORS)
- APPROXIMATE LOCATION AND EXTENT OF EROSION CONTROL MEASURES, SEE TYPICAL DETAILS FOR ADDITIONAL INFORMATION

KEY PLAN

GENERAL NOTE: THE EXISTING FEATURES AND LINEWORK SHOWN ON THIS PLAN ARE BASED ON A PREVIOUS EXISTING CONDITIONS SURVEY PERFORMED BY FELDMANN SURVEYORS.

NOTE:

1. BOLLARD SPACING VARIES, ASSUME 10'-0" MIN., 15'-6" MAX.
2. SUBMIT EXISTING CONDITION SURVEY FOR REVIEW. CROSS SLOPE TARGET = 1% (2% MAX). MATCH ELEVATION OF ALL EXISTING TIE-INS TO REMAIN.

HARBORWALK PLAN – PART 2

1/32" = 1'-0"

Consultant

No.	Date	Description	By

UMB HARBORWALK REPAIRS AND NEW FOX POINT PEDESTRIAN RAMP

UMASS BOSTON
BOSTON HARBOR CAMPUS
100 Morrissey Boulevard
Project **Boston, MA 02125**

FLOODPLAIN COORDINATION FIGURE PART 2

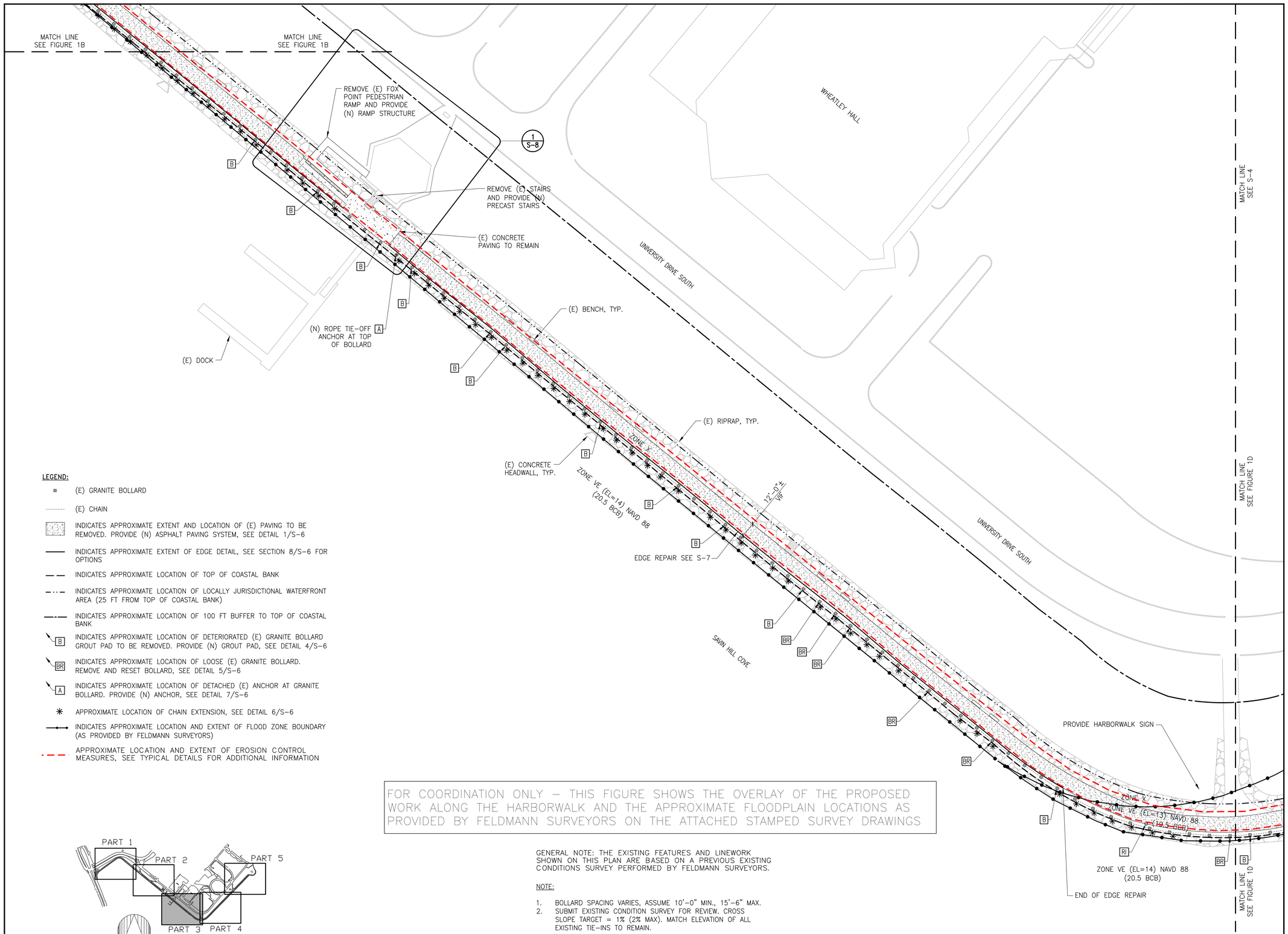
Drawing Title

Project No.	Checked	Date
Drawn	Approved	Scale AS SHOWN

Seal

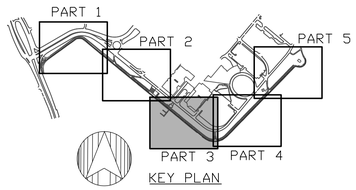
Drawing No.

FIG. 1B



LEGEND:

- (E) GRANITE BOLLARD
- (E) CHAIN
- INDICATES APPROXIMATE EXTENT AND LOCATION OF (E) PAVING TO BE REMOVED. PROVIDE (N) ASPHALT PAVING SYSTEM, SEE DETAIL 1/S-6
- INDICATES APPROXIMATE EXTENT OF EDGE DETAIL, SEE SECTION 8/S-6 FOR OPTIONS
- INDICATES APPROXIMATE LOCATION OF TOP OF COASTAL BANK
- INDICATES APPROXIMATE LOCATION OF LOCALLY JURISDICTIONAL WATERFRONT AREA (25 FT FROM TOP OF COASTAL BANK)
- INDICATES APPROXIMATE LOCATION OF 100 FT BUFFER TO TOP OF COASTAL BANK
- B — INDICATES APPROXIMATE LOCATION OF DETERIORATED (E) GRANITE BOLLARD GROUT PAD TO BE REMOVED. PROVIDE (N) GROUT PAD, SEE DETAIL 4/S-6
- BR — INDICATES APPROXIMATE LOCATION OF LOOSE (E) GRANITE BOLLARD. REMOVE AND RESET BOLLARD, SEE DETAIL 5/S-6
- A — INDICATES APPROXIMATE LOCATION OF DETACHED (E) ANCHOR AT GRANITE BOLLARD. PROVIDE (N) ANCHOR, SEE DETAIL 7/S-6
- APPROXIMATE LOCATION OF CHAIN EXTENSION, SEE DETAIL 6/S-6
- INDICATES APPROXIMATE LOCATION AND EXTENT OF FLOOD ZONE BOUNDARY (AS PROVIDED BY FELDMANN SURVEYORS)
- APPROXIMATE LOCATION AND EXTENT OF EROSION CONTROL MEASURES, SEE TYPICAL DETAILS FOR ADDITIONAL INFORMATION



KEY PLAN

FOR COORDINATION ONLY – THIS FIGURE SHOWS THE OVERLAY OF THE PROPOSED WORK ALONG THE HARBORWALK AND THE APPROXIMATE FLOODPLAIN LOCATIONS AS PROVIDED BY FELDMANN SURVEYORS ON THE ATTACHED STAMPED SURVEY DRAWINGS

GENERAL NOTE: THE EXISTING FEATURES AND LINEWORK SHOWN ON THIS PLAN ARE BASED ON A PREVIOUS EXISTING CONDITIONS SURVEY PERFORMED BY FELDMANN SURVEYORS.

NOTE:

1. BOLLARD SPACING VARIES, ASSUME 10'-0" MIN., 15'-6" MAX.
2. SUBMIT EXISTING CONDITION SURVEY FOR REVIEW. CROSS SLOPE TARGET = 1% (2% MAX). MATCH ELEVATION OF ALL EXISTING TIE-INS TO REMAIN.

HARBORWALK PLAN – PART 3

1/32" = 1'-0"

Consultant

No.	Date	Description	By

UMB HARBORWALK REPAIRS AND NEW FOX POINT PEDESTRIAN RAMP

UMASS BOSTON
BOSTON HARBOR CAMPUS
100 Morrissey Boulevard
Project **Boston, MA 02125**

FLOODPLAIN COORDINATION FIGURE PART 3

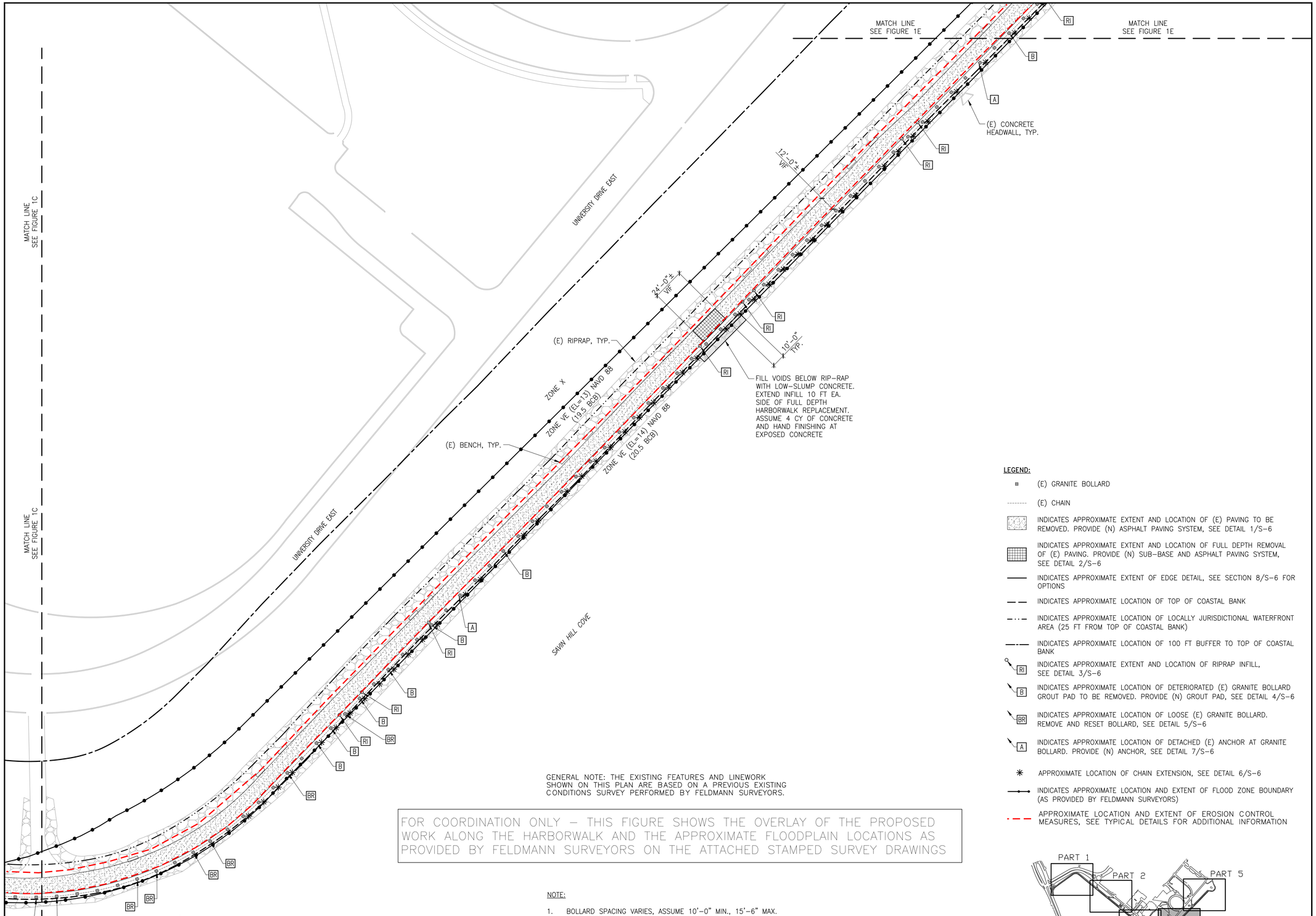
Drawing Title

Project No.	Checked	Date
Drawn	Approved	Scale AS SHOWN

COMMONWEALTH OF MASSACHUSETTS
ANDREW J. CHAGNON
CIVIL
No. 46113
REGISTERED PROFESSIONAL ENGINEER
Seal

Drawing No.

FIG. 1C



GENERAL NOTE: THE EXISTING FEATURES AND LINEWORK SHOWN ON THIS PLAN ARE BASED ON A PREVIOUS EXISTING CONDITIONS SURVEY PERFORMED BY FELDMANN SURVEYORS.

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NOTE:

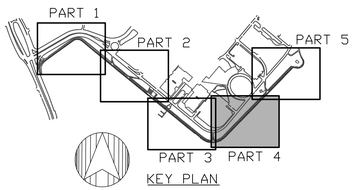
1. BOLLARD SPACING VARIES, ASSUME 10'-0" MIN., 15'-6" MAX.
2. SUBMIT EXISTING CONDITION SURVEY FOR REVIEW. CROSS SLOPE TARGET = 1% (2% MAX). MATCH ELEVATION OF ALL EXISTING TIE-INS TO REMAIN.

HARBORWALK PLAN – PART 4

1/32" = 1'-0"

LEGEND:

- (E) GRANITE BOLLARD
- (E) CHAIN
- INDICATES APPROXIMATE EXTENT AND LOCATION OF (E) PAVING TO BE REMOVED. PROVIDE (N) ASPHALT PAVING SYSTEM, SEE DETAIL 1/S-6
- INDICATES APPROXIMATE EXTENT AND LOCATION OF FULL DEPTH REMOVAL OF (E) PAVING. PROVIDE (N) SUB-BASE AND ASPHALT PAVING SYSTEM, SEE DETAIL 2/S-6
- INDICATES APPROXIMATE EXTENT OF EDGE DETAIL, SEE SECTION 8/S-6 FOR OPTIONS
- INDICATES APPROXIMATE LOCATION OF TOP OF COASTAL BANK
- INDICATES APPROXIMATE LOCATION OF LOCALLY JURISDICTIONAL WATERFRONT AREA (25 FT FROM TOP OF COASTAL BANK)
- INDICATES APPROXIMATE LOCATION OF 100 FT BUFFER TO TOP OF COASTAL BANK
- RI INDICATES APPROXIMATE EXTENT AND LOCATION OF RIPRAP INFILL, SEE DETAIL 3/S-6
- B INDICATES APPROXIMATE LOCATION OF DETERIORATED (E) GRANITE BOLLARD GROUT PAD TO BE REMOVED. PROVIDE (N) GROUT PAD, SEE DETAIL 4/S-6
- BR INDICATES APPROXIMATE LOCATION OF LOOSE (E) GRANITE BOLLARD. REMOVE AND RESET BOLLARD, SEE DETAIL 5/S-6
- A INDICATES APPROXIMATE LOCATION OF DETACHED (E) ANCHOR AT GRANITE BOLLARD. PROVIDE (N) ANCHOR, SEE DETAIL 7/S-6
- APPROXIMATE LOCATION OF CHAIN EXTENSION, SEE DETAIL 6/S-6
- INDICATES APPROXIMATE LOCATION AND EXTENT OF FLOOD ZONE BOUNDARY (AS PROVIDED BY FELDMANN SURVEYORS)
- APPROXIMATE LOCATION AND EXTENT OF EROSION CONTROL MEASURES, SEE TYPICAL DETAILS FOR ADDITIONAL INFORMATION



KEY PLAN

Consultant

No.	Date	Description	By

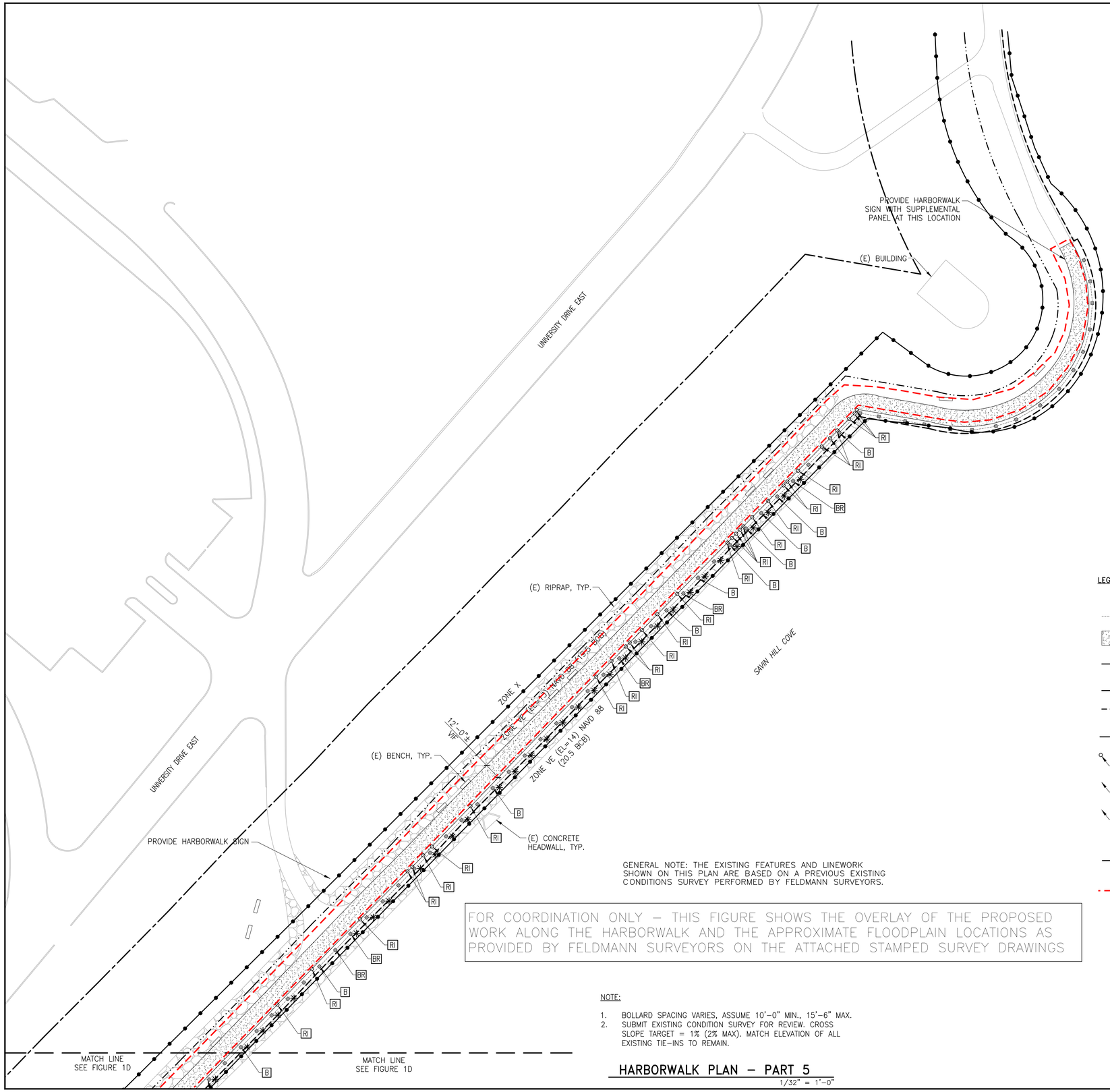
UMB HARBORWALK REPAIRS AND NEW FOX POINT PEDESTRIAN RAMP
UMASS BOSTON
BOSTON HARBOR CAMPUS
100 Morrissey Boulevard
Project **Boston, MA 02125**

FLOODPLAIN COORDINATION FIGURE PART 4
Drawing Title

Project No.	Checked	Date
Drawn	Approved	Scale AS SHOWN

COMMONWEALTH OF MASSACHUSETTS
ANDREW J. CHAGNON
CIVIL
No. 46113
REGISTERED PROFESSIONAL ENGINEER
Seal

Drawing No.
FIG. 1D



GENERAL NOTE: THE EXISTING FEATURES AND LINEWORK SHOWN ON THIS PLAN ARE BASED ON A PREVIOUS EXISTING CONDITIONS SURVEY PERFORMED BY FELDMANN SURVEYORS.

FOR COORDINATION ONLY – THIS FIGURE SHOWS THE OVERLAY OF THE PROPOSED WORK ALONG THE HARBORWALK AND THE APPROXIMATE FLOODPLAIN LOCATIONS AS PROVIDED BY FELDMANN SURVEYORS ON THE ATTACHED STAMPED SURVEY DRAWINGS

NOTE:

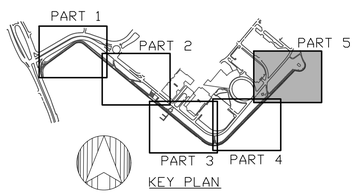
1. BOLLARD SPACING VARIES, ASSUME 10'–0" MIN., 15'–6" MAX.
2. SUBMIT EXISTING CONDITION SURVEY FOR REVIEW. CROSS SLOPE TARGET = 1% (2% MAX). MATCH ELEVATION OF ALL EXISTING TIE–INS TO REMAIN.

HARBORWALK PLAN – PART 5

1/32" = 1'–0"

LEGEND:

- (E) GRANITE BOLLARD
- (E) CHAIN
- INDICATES APPROXIMATE EXTENT AND LOCATION OF (E) PAVING TO BE REMOVED. PROVIDE (N) ASPHALT PAVING SYSTEM, SEE DETAIL 1/S–6
- INDICATES APPROXIMATE EXTENT OF EDGE DETAIL, SEE SECTION 8/S–6 FOR OPTIONS
- INDICATES APPROXIMATE LOCATION OF TOP OF COASTAL BANK
- INDICATES APPROXIMATE LOCATION OF LOCALLY JURISDICTIONAL WATERFRONT AREA (25 FT FROM TOP OF COASTAL BANK)
- INDICATES APPROXIMATE LOCATION OF 100 FT BUFFER TO TOP OF COASTAL BANK
- RI — INDICATES APPROXIMATE EXTENT AND LOCATION OF RIPRAP INFILL, SEE DETAIL 3/S–6
- B — INDICATES APPROXIMATE LOCATION OF DETERIORATED (E) GRANITE BOLLARD GROUT PAD TO BE REMOVED. PROVIDE (N) GROUT PAD, SEE DETAIL 4/S–6
- BR — INDICATES APPROXIMATE LOCATION OF LOOSE (E) GRANITE BOLLARD. REMOVE AND RESET BOLLARD, SEE DETAIL 5/S–6
- APPROXIMATE LOCATION OF CHAIN EXTENSION, SEE DETAIL 6/S–6
- INDICATES APPROXIMATE LOCATION AND EXTENT OF FLOOD ZONE BOUNDARY (AS PROVIDED BY FELDMANN SURVEYORS)
- APPROXIMATE LOCATION AND EXTENT OF EROSION CONTROL MEASURES, SEE TYPICAL DETAILS FOR ADDITIONAL INFORMATION



KEY PLAN

Consultant

No.	Date	Description	By

UMB HARBORWALK REPAIRS AND NEW FOX POINT PEDESTRIAN RAMP

UMASS BOSTON
BOSTON HARBOR CAMPUS
100 Morrissey Boulevard
Project **Boston, MA 02125**

FLOODPLAIN COORDINATION FIGURE PART 5

Drawing Title

Project No.	Checked	Date
Drawn	Approved	Scale AS SHOWN

COMMONWEALTH OF MASSACHUSETTS ANDREW J. CHAGNON CIVIL No. 46113 REGISTERED PROFESSIONAL ENGINEER

Seal

Drawing No.

FIG. 1E

UNITED STATES GEOLOGICAL SURVEY MAP
BOSTON SOUTH QUADRANGLE 7.5 MINUTE SERIES (2021)

N

0' 2000' 4000'

SCALE:1" = 2000'

SITE LOCUS

SITE:
UNIVERSITY OF MASSACHUSETTS
100 WILLIAM T. MORRISSEY BLVD
BOSTON, MA 02125

DATE:	03/01/2021
DRAWN BY:	JL
CHECKED BY:	AS
VERTEX PROJ NO.:	62770

FIGURE 1

VERTEX®
100 North Washington Street, Suite 302 | Boston, MA 02114
Main: 617.275.5407 | VERTEXENG.COM

USGS ORTHOPHOTO FROM OFFICE OF GEOGRAPHIC AND ENVIRONMENTAL INFORMATION (MASSGIS), COMMONWEALTH OF MASSACHUSETTS EXECUTIVE OFFICE FOR ENVIRONMENTAL AFFAIRS

AE: 1% ANNUAL CHANCE OF FLOODING, WITH BFE

VE: HIGH RISK COASTAL AREA

N

0' 500' 1000'

SCALE:1" = 500'

FEMA BOUNDARY PLAN

SITE:
UNIVERSITY OF MASSACHUSETTS
100 WILLIAM T. MORRISSEY BLVD
BOSTON, MA 02125

DATE:	03/01/2021
DRAWN BY:	JL
CHECKED BY:	AS
VERTEX PROJ NO.:	62770

FIGURE 2

VERTEX®
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Main: 617.275.5407 | VERTEXENG.COM

USGS ORTHOPHOTO FROM OFFICE OF GEOGRAPHIC AND ENVIRONMENTAL INFORMATION (MASSGIS), COMMONWEALTH OF MASSACHUSETTS EXECUTIVE OFFICE FOR ENVIRONMENTAL AFFAIRS

NHESP ESTIMATED HABITATS OF RARE WILDLIFE

N

0' 1000' 2000'

SCALE:1" = 1000'

WETLAND BOUNDARY PLAN

SITE:
UNIVERSITY OF MASSACHUSETTS
100 WILLIAM T. MORRISSEY BLVD
BOSTON, MA 02125

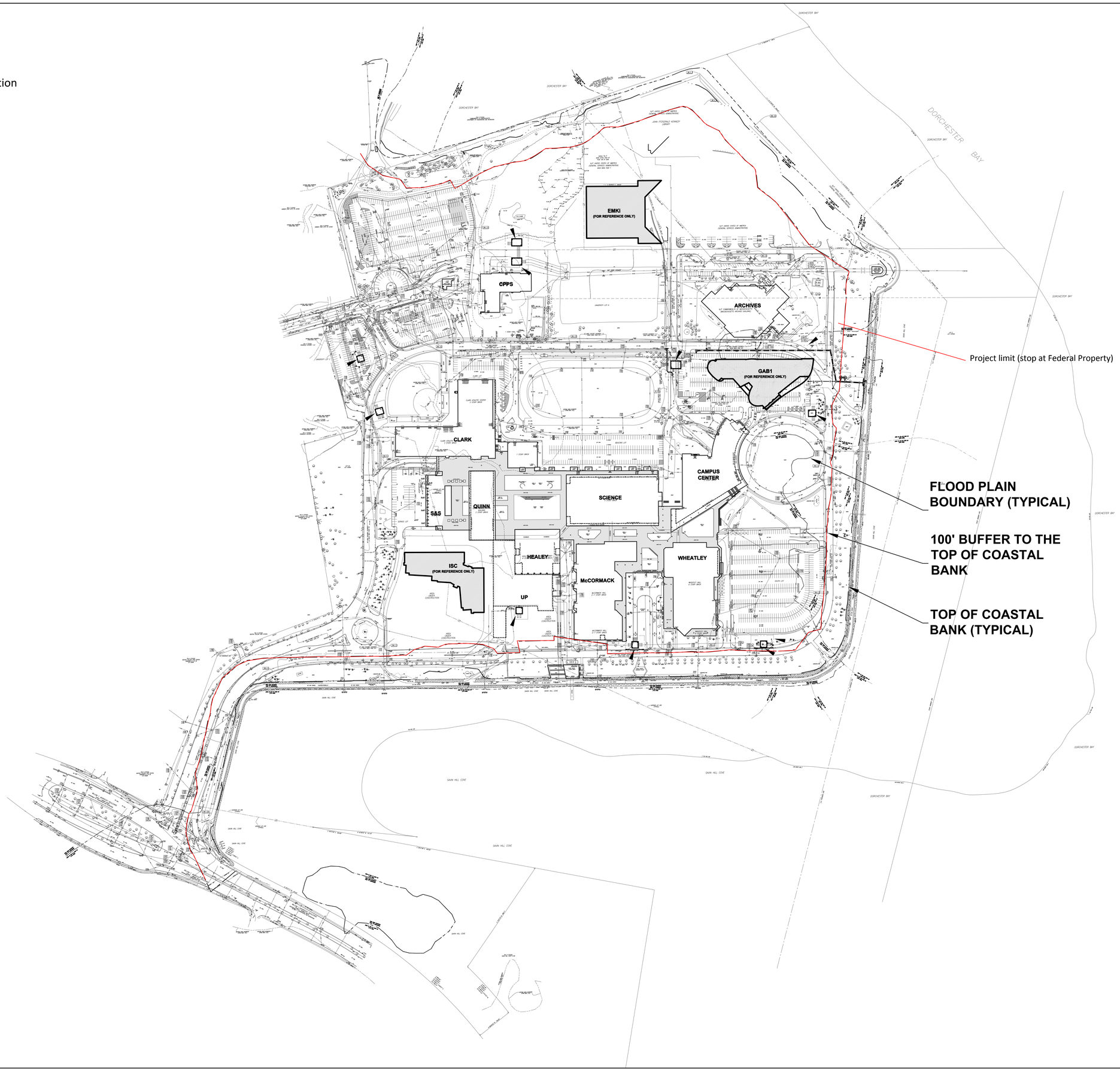
DATE:	03/01/2021
DRAWN BY:	JL
CHECKED BY:	AS
VERTEX PROJ NO.:	62770

FIGURE 3

VERTEX®
100 North Washington Street, Suite 302 I Boston, MA 02114
Main: 617.275.5407 I VERTEXENG.COM

UMass Boston

Wetland delineation



BVH integrated services
50 Griffin Road South Bloomfield, CT 06002
Tel: (860) 286-9171 Fax: (860) 242-0236
CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, COMMISSIONING AND TECHNOLOGY

SASAKI
Interdisciplinary Design
64 Pleasant Street, Watertown, Massachusetts 02472 USA
T 617 926 3300 F 617 924 2748 W www.sasaki.com

Nitsch Engineering
www.nitschengr.com
2 Center Plaza, Suite 430
Boston, MA 02108-1928
T: (617) 338-0063
F: (617) 338-6472

GZA

1	2	3
4	5	6
7	8	9
10		

UTILITY CORRIDOR, ROADWAYS AND BUILDINGS
UMASS BOSTON UTILITY CORRIDOR AND ROADWAY

UNIVERSITY OF MASSACHUSETTS

100 MORRISSEY BLVD BOSTON, MA 02125
UMBA PROJECT #10-B1

UMASS BOSTON

REVISIONS

NO.	DATE	ISSUE

DATE 12/19/2012
SCALE 1"=150'
DRAWN MCC
CHECKED TSD
JOB NO. 21-11-184

SHEET TITLE:

KEY PLAN

DRAWING NO.

G002

12/14/12 11:32:36 AM W:\2011\2111184 - Utility Corridor And Roadway Project-UMass Boston\DWGS\C\2111184-keyplan-ph1.dwg

Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection
One Winter Street Boston, MA 02108 • 617-292-5500

October 29, 2021

Zehra Schneider Graham
Director, Office of Environmental Health and Safety
UMass Boston
100 Morrissey Boulevard
Boston, MA 02125

Re: Request for Minor Project Modifications
UMass Boston Campus, 100 Morrissey Boulevard, Boston Harbor,
Boston, Suffolk County

Dear Ms. Schneider Graham:

The Massachusetts Department of Environmental Protection Waterways Regulation Program (the "Department") has reviewed the submittal dated September 30, 2021 requesting Minor Project Modifications for two projects at the UMass Boston campus. The submittal includes:

- A letter in support of the request describing the projects and proposed work details
- Figure 1 - UMass Boston Chapter 91 Jurisdictional Area
- Figure 2 - UMass Boston Ch. 91 Licenses
- Harborwalk construction documents
- School for the Environment - Shoreline Research Project

Project 1 Harborwalk Maintenance Repair and Ramp Replacement

The first project includes maintenance and repair to approximately 1 mile of the existing UMass Boston Harborwalk, and replacement of a existing pedestrian ramp and stairs at Fox Point. The proposed scope of work for the Harborwalk and Fox Point include:

- Full depth asphalt system replacement, including structural repairs, installation of a new geotextile fabric and subbase for new asphalt to improve longevity of the Harborwalk.
- Adjustment, repair and/or replacement of existing granite bollard and chain safety barrier along the seaward edge of the Harborwalk;
- Demolish, remove and replace the existing wooden ramp and stairs in the vicinity of the existing Fox Point boating facility with pre-cast concrete ramp and stairs;

- Installation of new guardrails and handrails, and
- Installation of new lighting along the replaced ramp and stairs.

Regulatory Assessment

Based on the materials submitted with the September 30, 2021 letter, representations made therein, our brief conversation today on this matter and my personal knowledge having permitted several projects for the University in close proximity to the Harborwalk including numerous site visits, we understand that the proposed work is limited to repair and maintenance of the existing Harborwalk. Furthermore, we understand that the Harborwalk and stone revetment on which it is located is a public service project and fully authorized by the UMass Boston Enabling Act (Chapter 898 of the Acts of 1969), the Department finds that the proposed work is:

- Confined to the footprint of existing authorized fill and structures;
- Limited to the repair and replacement of existing authorized structures, and
- Does not include any change in use.

We conclude that the proposed repair and/or replacement of the perimeter Harborwalk at the UMass Boston campus conforms with the provisions of 310 CMR 9.22(3) – *Minor Project Modification* and does not require a new or amended license pursuant to Chapter 91 or the Waterways Regulations at 310 CMR 9.00. No further review under Chapter 91 is required.

Project 2 Installation of Seawall Armoring Test Tiles

The University proposes to install temporary small test tiles to study various materials, surface treatments, etc. of seawall and shoreline armoring for durability and their tendency to create desired marine habitat features over a number of years.

The proposed scope of work for the is limited to the installation of a small metal frame within which are mounted five (5) individual 20 cm x 20 cm tiles, comprising less than approximately 6 square feet each. The six planned installations represent approximately 35 square feet in the aggregate.

Based on the review of the submitted information and the licensing history at the UMass Boston Columbia Point campus, the Department finds that these small structures are an insignificant deviation from the existing conditions, are di minims in nature, limited to the existing footprint of authorized fill and do not represent a change in use.

The Department concludes that these small test panels comprise a minor project modification as defined at 310 CMR 9.22(3) and that no new or amended license is required pursuant to M.G.L. Chapter 91 or 310 CMR 9.00

The Department will retain this correspondence approving the proposed work along with the referenced submittals in our records. The work must conform to and be consistent with all submitted documentation. This Departmental action does not relieve or exempt you of the requirement to obtain all other applicable local, State and Federal authorizations necessary to perform said activities.

If you have any questions concerning this matter, please contact Alice Doyle at alice.doyle@mass.gov.

Sincerely,

Daniel Padien
Program Chief
Waterways Regulation Program

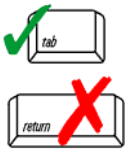
cc: Boston Conservation Commission

Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands Program

Checklist for Stormwater Report

A. Introduction

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



A Stormwater Report must be submitted with the Notice of Intent permit application to document compliance with the Stormwater Management Standards. The following checklist is NOT a substitute for the Stormwater Report (which should provide more substantive and detailed information) but is offered here as a tool to help the applicant organize their Stormwater Management documentation for their Report and for the reviewer to assess this information in a consistent format. As noted in the Checklist, the Stormwater Report must contain the engineering computations and supporting information set forth in Volume 3 of the Massachusetts Stormwater Handbook. The Stormwater Report must be prepared and certified by a Registered Professional Engineer (RPE) licensed in the Commonwealth.

The Stormwater Report must include:

- The Stormwater Checklist completed and stamped by a Registered Professional Engineer (see page 2) that certifies that the Stormwater Report contains all required submittals.[1] This Checklist is to be used as the cover for the completed Stormwater Report.
- Applicant/Project Name
- Project Address
- Name of Firm and Registered Professional Engineer that prepared the Report
- Long-Term Pollution Prevention Plan required by Standards 4-6
- Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan required by Standard 8[2]
- Operation and Maintenance Plan required by Standard 9

In addition to all plans and supporting information, the Stormwater Report must include a brief narrative describing stormwater management practices, including environmentally sensitive site design and LID techniques, along with a diagram depicting runoff through the proposed BMP treatment train. Plans are required to show existing and proposed conditions, identify all wetland resource areas, NRCS soil types, critical areas, Land Uses with Higher Potential Pollutant Loads (LUHPPL), and any areas on the site where infiltration rate is greater than 2.4 inches per hour. The Plans shall identify the drainage areas for both existing and proposed conditions at a scale that enables verification of supporting calculations.

As noted in the Checklist, the Stormwater Management Report shall document compliance with each of the Stormwater Management Standards as provided in the Massachusetts Stormwater Handbook. The soils evaluation and calculations shall be done using the methodologies set forth in Volume 3 of the Massachusetts Stormwater Handbook.

To ensure that the Stormwater Report is complete, applicants are required to fill in the Stormwater Report Checklist by checking the box to indicate that the specified information has been included in the Stormwater Report. If any of the information specified in the checklist has not been submitted, the applicant must provide an explanation. The completed Stormwater Report Checklist and Certification must be submitted with the Stormwater Report.

[1] The Stormwater Report may also include the Illicit Discharge Compliance Statement required by Standard 10. If not included in the Stormwater Report, the Illicit Discharge Compliance Statement must be submitted prior to the discharge of stormwater runoff to the post-construction best management practices.

[2] For some complex projects, it may not be possible to include the Construction Period Erosion and Sedimentation Control Plan in the Stormwater Report. In that event, the issuing authority has the discretion to issue an Order of Conditions that approves the project and includes a condition requiring the proponent to submit the Construction Period Erosion and Sedimentation Control Plan before commencing any land disturbance activity on the site.

Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands Program

Checklist for Stormwater Report

B. Stormwater Checklist and Certification

The following checklist is intended to serve as a guide for applicants as to the elements that ordinarily need to be addressed in a complete Stormwater Report. The checklist is also intended to provide conservation commissions and other reviewing authorities with a summary of the components necessary for a comprehensive Stormwater Report that addresses the ten Stormwater Standards.

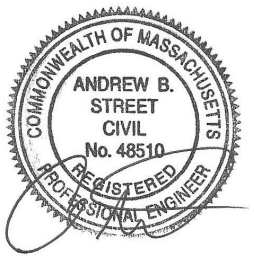
Note: Because stormwater requirements vary from project to project, it is possible that a complete Stormwater Report may not include information on some of the subjects specified in the Checklist. If it is determined that a specific item does not apply to the project under review, please note that the item is not applicable (N.A.) and provide the reasons for that determination.

A complete checklist must include the Certification set forth below signed by the Registered Professional Engineer who prepared the Stormwater Report.

Registered Professional Engineer's Certification

I have reviewed the Stormwater Report, including the soil evaluation, computations, Long-term Pollution Prevention Plan, the Construction Period Erosion and Sedimentation Control Plan (if included), the Long-term Post-Construction Operation and Maintenance Plan, the Illicit Discharge Compliance Statement (if included) and the plans showing the stormwater management system, and have determined that they have been prepared in accordance with the requirements of the Stormwater Management Standards as further elaborated by the Massachusetts Stormwater Handbook. I have also determined that the information presented in the Stormwater Checklist is accurate and that the information presented in the Stormwater Report accurately reflects conditions at the site as of the date of this permit application.

Registered Professional Engineer Block and Signature



March 2, 2022

Signature and Date

Checklist

Project Type: Is the application for new development, redevelopment, or a mix of new and redevelopment?

☐ New development

☒ Redevelopment

☐ Mix of New Development and Redevelopment

Checklist for Stormwater Report

Checklist (continued)

LID Measures: Stormwater Standards require LID measures to be considered. Document what environmentally sensitive design and LID Techniques were considered during the planning and design of the project:

- ☐ No disturbance to any Wetland Resource Areas
- ☐ Site Design Practices (e.g. clustered development, reduced frontage setbacks)
- ☐ Reduced Impervious Area (Redevelopment Only)
- ☐ Minimizing disturbance to existing trees and shrubs
- ☐ LID Site Design Credit Requested:
  - ☐ Credit 1
  - ☐ Credit 2
  - ☐ Credit 3
- ☐ Use of "country drainage" versus curb and gutter conveyance and pipe
- ☐ Bioretention Cells (includes Rain Gardens)
- ☐ Constructed Stormwater Wetlands (includes Gravel Wetlands designs)
- ☐ Treebox Filter
- ☐ Water Quality Swale
- ☐ Grass Channel
- ☐ Green Roof
- ☐ Other (describe): _____

Standard 1: No New Untreated Discharges

- ☒ No new untreated discharges
- ☐ Outlets have been designed so there is no erosion or scour to wetlands and waters of the Commonwealth
- ☐ Supporting calculations specified in Volume 3 of the Massachusetts Stormwater Handbook included.

Checklist for Stormwater Report

Checklist (continued)

Standard 2: Peak Rate Attenuation

☐ Standard 2 waiver requested because the project is located in land subject to coastal storm flowage and stormwater discharge is to a wetland subject to coastal flooding.

☒ Evaluation provided to determine whether off-site flooding increases during the 100-year 24-hour storm.

☐ Calculations provided to show that post-development peak discharge rates do not exceed pre-development rates for the 2-year and 10-year 24-hour storms. If evaluation shows that off-site flooding increases during the 100-year 24-hour storm, calculations are also provided to show that post-development peak discharge rates do not exceed pre-development rates for the 100-year 24-hour storm.

Standard 3: Recharge

☐ Soil Analysis provided.

☐ Required Recharge Volume calculation provided.

☐ Required Recharge volume reduced through use of the LID site Design Credits.

☐ Sizing the infiltration, BMPs is based on the following method: Check the method used.

☐ Static ☐ Simple Dynamic ☐ Dynamic Field[1]

☐ Runoff from all impervious areas at the site discharging to the infiltration BMP.

☐ Runoff from all impervious areas at the site is *not* discharging to the infiltration BMP and calculations are provided showing that the drainage area contributing runoff to the infiltration BMPs is sufficient to generate the required recharge volume.

☐ Recharge BMPs have been sized to infiltrate the Required Recharge Volume.

☐ Recharge BMPs have been sized to infiltrate the Required Recharge Volume *only* to the maximum extent practicable for the following reason:

- ☐ Site is comprised solely of C and D soils and/or bedrock at the land surface
- ☐ M.G.L. c. 21E sites pursuant to 310 CMR 40.0000
- ☐ Solid Waste Landfill pursuant to 310 CMR 19.000
- ☐ Project is otherwise subject to Stormwater Management Standards only to the maximum extent practicable.

☐ Calculations showing that the infiltration BMPs will drain in 72 hours are provided.

☐ Property includes a M.G.L. c. 21E site or a solid waste landfill and a mounding analysis is included.

[1] 80% TSS removal is required prior to discharge to infiltration BMP if Dynamic Field method is used.

Checklist for Stormwater Report

Checklist (continued)

Standard 3: Recharge (continued)

☐ The infiltration BMP is used to attenuate peak flows during storms greater than or equal to the 10-year 24-hour storm and separation to seasonal high groundwater is less than 4 feet and a mounding analysis is provided.

☐ Documentation is provided showing that infiltration BMPs do not adversely impact nearby wetland resource areas.

Standard 4: Water Quality

The Long-Term Pollution Prevention Plan typically includes the following:

- Good housekeeping practices;
- Provisions for storing materials and waste products inside or under cover;
- Vehicle washing controls;
- Requirements for routine inspections and maintenance of stormwater BMPs;
- Spill prevention and response plans;
- Provisions for maintenance of lawns, gardens, and other landscaped areas;
- Requirements for storage and use of fertilizers, herbicides, and pesticides;
- Pet waste management provisions;
- Provisions for operation and management of septic systems;
- Provisions for solid waste management;
- Snow disposal and plowing plans relative to Wetland Resource Areas;
- Winter Road Salt and/or Sand Use and Storage restrictions;
- Street sweeping schedules;
- Provisions for prevention of illicit discharges to the stormwater management system;
- Documentation that Stormwater BMPs are designed to provide for shutdown and containment in the event of a spill or discharges to or near critical areas or from LUHPPL;
- Training for staff or personnel involved with implementing Long-Term Pollution Prevention Plan;
- List of Emergency contacts for implementing Long-Term Pollution Prevention Plan.

☐ A Long-Term Pollution Prevention Plan is attached to Stormwater Report and is included as an attachment to the Wetlands Notice of Intent.

☐ Treatment BMPs subject to the 44% TSS removal pretreatment requirement and the one inch rule for calculating the water quality volume are included, and discharge:

- ☐ is within the Zone II or Interim Wellhead Protection Area
- ☐ is near or to other critical areas
- ☐ is within soils with a rapid infiltration rate (greater than 2.4 inches per hour)
- ☐ involves runoff from land uses with higher potential pollutant loads.

☐ The Required Water Quality Volume is reduced through use of the LID site Design Credits.

☐ Calculations documenting that the treatment train meets the 80% TSS removal requirement and, if applicable, the 44% TSS removal pretreatment requirement, are provided.

Checklist for Stormwater Report

Checklist (continued)

Standard 4: Water Quality (continued)

☐ The BMP is sized (and calculations provided) based on:

- ☐ The ½" or 1" Water Quality Volume or
- ☐ The equivalent flow rate associated with the Water Quality Volume and documentation is provided showing that the BMP treats the required water quality volume.

☐ The applicant proposes to use proprietary BMPs, and documentation supporting use of proprietary BMP and proposed TSS removal rate is provided. This documentation may be in the form of the propriety BMP checklist found in Volume 2, Chapter 4 of the Massachusetts Stormwater Handbook and submitting copies of the TARP Report, STEP Report, and/or other third party studies verifying performance of the proprietary BMPs.

☐ A TMDL exists that indicates a need to reduce pollutants other than TSS and documentation showing that the BMPs selected are consistent with the TMDL is provided.

Standard 5: Land Uses With Higher Potential Pollutant Loads (LUHPPLs)

☐ The NPDES Multi-Sector General Permit covers the land use and the Stormwater Pollution Prevention Plan (SWPPP) has been included with the Stormwater Report.

☐ The NPDES Multi-Sector General Permit covers the land use and the SWPPP will be submitted ***prior to*** the discharge of stormwater to the post-construction stormwater BMPs.

☐ The NPDES Multi-Sector General Permit does ***not*** cover the land use.

☐ LUHPPLs are located at the site and industry specific source control and pollution prevention measures have been proposed to reduce or eliminate the exposure of LUHPPLs to rain, snow, snow melt and runoff, and been included in the long term Pollution Prevention Plan.

☐ All exposure has been eliminated.

☐ All exposure has ***not*** been eliminated and all BMPs selected are on MassDEP LUHPPL list.

☐ The LUHPPL has the potential to generate runoff with moderate to higher concentrations of oil and grease (e.g. all parking lots with >1000 vehicle trips per day) and the treatment train includes an oil grit separator, a filtering bioretention area, a sand filter or equivalent.

Standard 6: Critical Areas

☐ The discharge is near or to a critical area and the treatment train includes only BMPs that MassDEP has approved for stormwater discharges to or near that particular class of critical area.

☐ Critical areas and BMPs are identified in the Stormwater Report.

Checklist for Stormwater Report

Checklist (continued)

Standard 7: Redevelopments and Other Projects Subject to the Standards only to the maximum extent practicable

☒ The project is subject to the Stormwater Management Standards only to the maximum Extent Practicable as a:

- ☐ Limited Project
- ☐ Small Residential Projects: 5-9 single family houses or 5-9 units in a multi-family development provided there is no discharge that may potentially affect a critical area.
- ☐ Small Residential Projects: 2-4 single family houses or 2-4 units in a multi-family development with a discharge to a critical area
- ☐ Marina and/or boatyard provided the hull painting, service and maintenance areas are protected from exposure to rain, snow, snow melt and runoff
- ☐ Bike Path and/or Foot Path
- ☒ Redevelopment Project
- ☐ Redevelopment portion of mix of new and redevelopment.

☒ Certain standards are not fully met (Standard No. 1, 8, 9, and 10 must always be fully met) and an explanation of why these standards are not met is contained in the Stormwater Report.

☐ The project involves redevelopment and a description of all measures that have been taken to improve existing conditions is provided in the Stormwater Report. The redevelopment checklist found in Volume 2 Chapter 3 of the Massachusetts Stormwater Handbook may be used to document that the proposed stormwater management system (a) complies with Standards 2, 3 and the pretreatment and structural BMP requirements of Standards 4-6 to the maximum extent practicable and (b) improves existing conditions.

Standard 8: Construction Period Pollution Prevention and Erosion and Sedimentation Control

A Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan must include the following information:

- Narrative;
- Construction Period Operation and Maintenance Plan;
- Names of Persons or Entity Responsible for Plan Compliance;
- Construction Period Pollution Prevention Measures;
- Erosion and Sedimentation Control Plan Drawings;
- Detail drawings and specifications for erosion control BMPs, including sizing calculations;
- Vegetation Planning;
- Site Development Plan;
- Construction Sequencing Plan;
- Sequencing of Erosion and Sedimentation Controls;
- Operation and Maintenance of Erosion and Sedimentation Controls;
- Inspection Schedule;
- Maintenance Schedule;
- Inspection and Maintenance Log Form.

☐ A Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan containing the information set forth above has been included in the Stormwater Report.

Checklist for Stormwater Report

Checklist (continued)

Standard 8: Construction Period Pollution Prevention and Erosion and Sedimentation Control (continued)

☐ The project is highly complex and information is included in the Stormwater Report that explains why it is not possible to submit the Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan with the application. A Construction Period Pollution Prevention and Erosion and Sedimentation Control has ***not*** been included in the Stormwater Report but will be submitted ***before*** land disturbance begins.

☐ The project is ***not*** covered by a NPDES Construction General Permit.

☐ The project is covered by a NPDES Construction General Permit and a copy of the SWPPP is in the Stormwater Report.

☒ The project is covered by a NPDES Construction General Permit but no SWPPP been submitted. The SWPPP will be submitted BEFORE land disturbance begins.

Standard 9: Operation and Maintenance Plan

☐ The Post Construction Operation and Maintenance Plan is included in the Stormwater Report and includes the following information:

- ☐ Name of the stormwater management system owners;
- ☐ Party responsible for operation and maintenance;
- ☐ Schedule for implementation of routine and non-routine maintenance tasks;
- ☐ Plan showing the location of all stormwater BMPs maintenance access areas;
- ☐ Description and delineation of public safety features;
- ☐ Estimated operation and maintenance budget; and
- ☐ Operation and Maintenance Log Form.

☐ The responsible party is ***not*** the owner of the parcel where the BMP is located and the Stormwater Report includes the following submissions:

- ☐ A copy of the legal instrument (deed, homeowner's association, utility trust or other legal entity) that establishes the terms of and legal responsibility for the operation and maintenance of the project site stormwater BMPs;
- ☐ A plan and easement deed that allows site access for the legal entity to operate and maintain BMP functions.

Standard 10: Prohibition of Illicit Discharges

☐ The Long-Term Pollution Prevention Plan includes measures to prevent illicit discharges;

☐ An Illicit Discharge Compliance Statement is attached;

☒ NO Illicit Discharge Compliance Statement is attached but will be submitted ***prior to*** the discharge of any stormwater to post-construction BMPs.

OBJECTID	PID	PID_LONG	GIS_ID	FULL_ADDRESS	CITY	ZIPCODE	OWNER	ADDRESSEE	MAIL_ADDRESS	MAIL_CS	STATE	MAIL_ZIPCODE	Shape__Area	Shape__Length
84065	1303400000	1303400000	1303400000	200 WM T MORRISSEY BL	DORCHESTER	2125	COMMONWEALTH OF MASS		200 WM T MORRISSEY BLVD	DORCHESTER	MA	2125	6591062.368	20386.06615
95216	1302329001	1302329001	1302329001	243 A SAVIN HILL AV	DORCHESTER	2125	DIENER ROBERT B		243A SAVIN HILL AVE	DORCHESTER	MA	2125	7709.970215	364.4372342
90702	1303392000	1303392000	1303392000	400 WM T MORRISSEY BL	DORCHESTER	2125	SAVIN HILL YACHT CLB INC		400 WM T MORRISSEY BL	DORCHESTER	MA	2125	514163.1443	3052.868998
36204	1303400010	1303400010	1303400010	MT VERNON ST	DORCHESTER	2125	COMMONWEALTH OF MASS		200 WM T MORRISSEY BLVD	DORCHESTER	MA	2125	78280.94897	1134.544781
163008	1303394000	1303394000	1303394000	WM T MORRISSEY BL	DORCHESTER	2125	CITY OF BOSTON		WM T MORRISSEY BLVD	DORCHESTER	MA	2125	5668.845215	852.531179
6180	1302340000	1302340000	1302340000	6 EVANDALE TE	DORCHESTER	2125	KNASAS ALFRED B ETAL	C/O OWNER	8 EVANDALE TERR	DORCHESTER	MA	2125	4328.7146	273.0824345
35036	1302329002	1302329002	1302329002	243 B SAVIN HILL AV	DORCHESTER	2125	POWERS ROSEMARY J		243B SAVIN HILL AV	DORCHESTER	MA	2125	5927.123535	356.5337185
106892	1303445000	1303445000	1303445000	400 260 MT VERNON ST	DORCHESTER	2125	HARBOR POINT APTS CO LESSEE	C/O MANAGEMENT OFFICE	1 HARBOR POINT BL	DORCHESTER	MA	2125	1916424.486	6709.220654
80827	1302328001	1302328001	1302328001	243 C SAVIN HILL AV	DORCHESTER	2125	NGO HIEP		375 MORRISSEY BL	DORCHESTER	MA	2125	1929.548096	233.5168632
88152	1302357000	1302357000	1302357000	WEDMORE ST	DORCHESTER	2125	BRETT JAMES T		7 WEDMORE ST	DORCHESTER	MA	2125	10103.85889	416.9121296
44823	1302333001	1302333001	1302333001	SAVIN HILL LA	DORCHESTER	2125	REARDON ALICE M	C/O DONNA R HUDSON	2570 N W 112TH AV	CORAL SPRINGS	FL	33065	13197.96338	574.7762554
134071	1302365000	1302365000	1302365000	10 OLD COLONY TE	DORCHESTER	2125	LYDON MARK		10 OLD COLONY TE	DORCHESTER	MA	2125	11391.70703	421.4501736
91887	1302328000	1302328000	1302328000	375 WM T MORRISSEY BL	DORCHESTER	2125	NGO HIEP		375 MORRISSEY BL	DORCHESTER	MA	2125	6773.086426	410.6139062
10897	1302359000	1302359000	1302359000	269 SAVIN HILL AV	DORCHESTER	2125	MONTANI CHRISTOPHER		269 SAVIN HILL AV	DORCHESTER	MA	2125	3013.523193	243.0189354
121608	1302319000	1302319000	1302319000	FOX POINT RD	DORCHESTER	2125	DAVIS KHAN-DOHERTY FARIDA	C/O FARIDA K DOHERTY DAVIS	18 FOX POINT RD	DORCHESTER	MA	2125	2546.525391	294.6627468
62109	1302347000	1302347000	1302347000	3 EVANDALE TE	DORCHESTER	2125	WAROT TRUST	3 EVANDALE TE		DORCHESTER	MA	2125	4278.878174	275.9286116
133779	1302329000	1302329000	1302329000	243 SAVIN HILL AV	DORCHESTER	2125	WILSON ELIZABETH M		243 SAVIN HILL AV	DORCHESTER	MA	2125	11021.90088	435.5621777
106136	1303391000	1303391000	1303391000	WM T MORRISSEY BL	DORCHESTER	2125	COMMONWEALTH OF MASS		WM T MORRISSEY BLVD	DORCHESTER	MA	2125	168439.8855	2198.16504
110515	1303411010	1303411010	1303411010	401 MT VERNON ST	DORCHESTER	2125	PENINSULA HOUSING ASSOC II LLC	C/O NATIONAL DEVELOPMENT	2310 WASHINGTON ST	NEWTON	MA	2462	35599.94238	839.0400693
163196	1302317000	1302317000	1302317000	401 WM T MORRISSEY BL	DORCHESTER	2125	401 MORRISSEY LLC		12 ERICSSON STREET	DORCHESTER	MA	2122	13568.35059	488.4984181
107581	1303400020	1303400020	1303400020	MT VERNON ST	DORCHESTER	2125	UNITED STATES OF AMERICA		8601 ADELPHI RD	COLLEGE PARK	MD	20740	66067.71289	1097.40775
42735	1302327000	1302327000	1302327000	SAVIN HILL AV	DORCHESTER	2125	236 SAVIN HILL LLC		ONE WESTINGHOUSE PLAZA	BOSTON	MA	2136	9229.275391	409.9227062
101805	1302333002	1302333002	1302333002	5 SAVIN HILL LA	DORCHESTER	2125	REARDON ALICE M	C/O DONNA R HUDSON	2570 N W 112TH AV	CORAL SPRINGS	FL	33065	12322.32739	569.772338
116598	1302367000	1302367000	1302367000	289 SAVIN HILL AV	DORCHESTER	2125	PAPAZIAN GREGORY K		289 SAVIN HILL AV	DORCHESTER	MA	2125	5009.557861	299.9983698
39761	1302348000	1302348000	1302348000	EVANDALE TE	DORCHESTER	2125	WAROT TRUST		3 EVANDALE TE	DORCHESTER	MA	2125	1881.378906	205.0676246
100145	1303446000	1303446000	1303446000	MT VERNON ST	DORCHESTER	2125	COMMONWEALTH OF MASS		MOUNT VERNON	DORCHESTER	MA	2125	4309839.12	11268.22852
99546	1302368000	1302368000	1302368000	291 SAVIN HILL AV	DORCHESTER	2125	LAFFERTY JOSEPH R	C/O CHRISTINA LAFFERTY	291 SAVIN HILL AV	DORCHESTER	MA	2125	5487.651123	307.8448228
148179	1302351000	1302351000	1302351000	265 SAVIN HILL AV	DORCHESTER	2125	QUINLAN THOMAS F		265 SAVIN HILL AVE	DORCHESTER	MA	2125	4271.884033	299.9979559
41555	1303413000	1303413000	1303413000	435 MT VERNON ST	DORCHESTER	2125	COMMONWEALTH OF MASSACHUSETT		435 MOUNT VERNON	DORCHESTER	MA	2125	383772.8911	3262.501723
88777	1303412000	1303412000	1303412000	375 401 MT VERNON ST	DORCHESTER	2125	PENINSULA HOUSING I LLC	C/O NATIONAL DEVELOPMENT	2310 WASHINGTON ST	NEWTON	MA	2462	95096.0874	1480.259473
110586	1302339000	1302339000	1302339000	4 EVANDALE TE	DORCHESTER	2125	TUROLSKI STEFAN		4 EVANDALE TE	DORCHESTER	MA	2125	4195.195801	270.0707721
116042	1302350000	1302350000	1302350000	SAVIN HILL AV	DORCHESTER	2125	QUINLAN THOMAS F	C/O THOMAS QUINLAN	265 SAVIN HILL AVE	DORCHESTER	MA	2125	4964.198975	327.5642653
70057	1302363002	1302363002	1302363002	285 WM T MORRISSEY BL	DORCHESTER	2125	BROTCHIE WILLIAM K	C/O WILLIAM BROTCHIE	285 MORRISSEY BL	DORCHESTER	MA	2125	8966.204102	379.9951012
128159	1302324001	1302324001	1302324001	397 WM T MORRISSEY BL	DORCHESTER	2125	NGUYEN ANH		397 W T MORRISSEY BLVD	DORCHESTER	MA	2125	6798.913086	360.2451558
104675	1302345000	1302345000	1302345000	7 EVANDALE TE	DORCHESTER	2125	WAROT CELINA		7 EVANDALE TE	DORCHESTER	MA	2125	8247.334473	381.4233678
59145	1302346000	1302346000	1302346000	EVANDALE TE	DORCHESTER	2125	WAROT CELINA N		7 EVANDALE TE	DORCHESTER	MA	2125	5315.5625	311.5696737
5019	1303395000	1303395000	1303395000	WM T MORRISSEY BL	DORCHESTER	2125	LUMNAH GREGORY		70 CALIFORNIA AV	MILTON	MA	2186	6825.72583	915.2295351
4000	1302363000	1302363000	1302363000	277 279 SAVIN HILL AV	DORCHESTER	2125	WALPOLE ROBERT HENRY		277 SAVIN HILL AVE	DORCHESTER	MA	2125	4671.418701	305.3755572
128522	1303393000	1303393000	1303393000	WM T MORRISSEY BL	DORCHESTER	2125	CITY OF BOSTON		WM T MORRISSEY BLVD	DORCHESTER	MA	2125	4412.927979	755.4985663
126641	1302344001	1302344001	1302344001	WM T MORRISSEY BL	DORCHESTER	2125	NGO HIEP		375 MORRISSEY BL	DORCHESTER	MA	2125	3003.71582	219.5961752
22714	1302351001	1302351001	1302351001	WEDMORE ST	DORCHESTER	2125	BRETT JAMES T		7 WEDMORE ST	DORCHESTER	MA	2125	713.3046875	176.0800836
133127	1302366000	1302366000	1302366000	2 OLD COLONY TE	DORCHESTER	2125	THOMAS OWEN		2 OLD COLONY TE	DORCHESTER	MA	2125	6697.081543	333.5726419
80003	1303425000	1303425000	1303425000	MT VERNON ST	DORCHESTER	2125	COMMONWEALTH OF MASS STATE		MOUNT VERNON	DORCHESTER	MA	2125	200801.5674	1895.016221
98231	1302358000	1302358000	1302358000	269 SAVIN HILL AV	DORCHESTER	2125	MONTANI CHRISTOPHER		269 SAVIN HILL AV	DORCHESTER	MA	2125	3935.387939	294.5536607
20109	1302363001	1302363001	1302363001	OLD COLONY TE	DORCHESTER	2125	WALPOLE ROBERT HENRY		277 SAVIN HILL AVE	DORCHESTER	MA	2125	2924.506348	215.9007676
149240	1302318000	1302318000	1302318000	18 FOX POINT RD	DORCHESTER	2125	DAVIS KHAN-DOHERTY FARIDA		18 FOX POINT RD	DORCHESTER	MA	2125	9244.125	399.8862527
153840	1303400030	1303400030	1303400030	100 WM T MORRISSEY BL	DORCHESTER	2125	UNIVERSITY OF MASSACHUSETTS	UNIVERSITY OF MASS BLDG AUTH	1 BEACON ST	BOSTON	MA	2108	123820.7676	1630.958145
51367	1302352000	1302352000	1302352000	7 WEDMORE ST	DORCHESTER	2125	BRETT JAMES T		7 WEDMORE ST	DORCHESTER	MA	2125	6998.550781	345.7220335
132695	1302341000	1302341000	1302341000	8 EVANDALE TE	DORCHESTER	2125	KNASAS ALFRED B ETAL		8 EVANDALE TERRACE	DORCHESTER	MA	2125	5814.004395	307.3588346
24695	1302320000	1302320000	1302320000	399 WM T MORRISSEY BL	DORCHESTER	2125	NGUYEN TONY		399 WM T MORRISSEY BLVD	DORCHESTER	MA	2125	7922.320313	378.8463398
66034	1302360000	1302360000	1302360000	273 275 SAVIN HILL AV	DORCHESTER	2125	CROKE ROGER L		273 SAVIN HILL AVE	DORCHESTER	MA	2125	6876.279785	342.4904867
135861	1302364055	1302364055	1302364055	WM T MORRISSEY BL	SOUTH BOSTON	2127	COMMWLTH OF MASS		WM T MORRISSEY BLVD	DORCHESTER	MA	2125	421393.3184	3337.198955
91596	1303396000	1303396000	1303396000	WM T MORRISSEY BL	DORCHESTER	2125	COMMONWEALTH OF MASS		WM T MORRISSEY BL	DORCHESTER	MA	2125	10054.47974	1127.195916
62934	1302354000	1302354000	1302354000	WEDMORE ST	DORCHESTER	2125	BRETT JAMES T		7 WEDMORE ST	DORCHESTER	MA	2125	3898.762451	254.5622179
36359	1303420000	1303420000	1303420000	MT VERNON ST	DORCHESTER	2125	UNITED STATES OF AMERICA		MOUNT VERNON	DORCHESTER	MA	2125	516009.8135	3087.905164
28742	1302364060	1302364060	1302364060	WM T MORRISSEY BL	SOUTH BOSTON	2127	COMMONWEALTH OF MASS		WM T MORRISSEY BLVD	DORCHESTER	MA	2125	551233.1785	7231.831822
142130	1303401000	1303401000	1303401000	160 150 WM T MORRISSEY BL	DORCHESTER	2125	BOSTON COLLEGE HIGH		160 WM T MORRISSEY BLVD	DORCHESTER	MA	2125	1690958.037	6191.763645

City of Boston
Environment

CITY of BOSTON
Conservation Commission

AFFIDAVIT OF SERVICE
FOR ABUTTER NOTIFICATION

Under the Massachusetts Wetlands Protection Act
and Boston Wetlands Ordinance

I, Andrew Street, hereby certify under pains and penalties of perjury that that at least one week prior to the public hearing, I gave notice to abutters in compliance with the second paragraph of Massachusetts General Laws Chapter 131, section 40, and the DEP Guide to Abutter Notification dated April 8, 1994, in connection with the following matter:

A Notice of Intent was filed under the Massachusetts Wetlands Protection Act and/or the Boston Wetlands Ordinance by UMass Boston for Harborwalk repairs and replacement of a pedestrian ramp at Fox Point located at 100 Morrissey Boulevard.

The Abutter Notification For, the list of abutters to whom it was given, and their addresses are attached to this Affidavit of Service.

_____	04/06/22
Name	Date

City of Boston
Environment

CITY of BOSTON
Conservation Commission

NOTIFICATION TO ABUTTERS
BOSTON CONSERVATION COMMISSION

In accordance with the Massachusetts Wetlands Protection Act, Massachusetts General Laws Chapter 131, Section 40, and the Boston Wetlands Ordinance, you are hereby notified as an abutter to a project filed with the Boston Conservation Commission.

A. University of Massachusetts Boston has filed a Notice of Intent with the Boston Conservation Commission seeking permission to alter an Area Subject to Protection under the Wetlands Protection Act (General Laws Chapter 131, section 40) and Boston Wetlands Ordinance.

B. The address of the lot where the activity is proposed is 100 Morrissey Boulevard.

C. The project involves repairs to the UMass Boston Harborwalk and replacement of a pedestrian ramp.

D. Copies of the Notice of Intent may be obtained by contacting the Boston Conservation Commission at **CC@boston.gov**.

E. Copies of the Notice of Intent may be obtained from Andrew Street (The Vertex Companies, Inc.) by contacting them at 781.400.6882 between the hours of 9:00 am and 5:00 pm, Monday-Friday.

F. In accordance with the Chapter 20 of the Acts of 2021, the public hearing will take place **virtually** at https://zoom.us/j/6864582044. If you are unable to access the internet, you can call 1-929-205-6099, enter Meeting ID 686 458 2044 # and use # as your participant ID.

G. Information regarding the date and time of the public hearing may be obtained from the **Boston Conservation Commission** by emailing **CC@boston.gov** or calling **(617) 635-3850** between the hours of **9 AM to 5 PM, Monday through Friday.**

NOTE: Notice of the public hearing, including its date, time, and place, will be published at least five (5) days in advance in the **Boston Herald.**

NOTE: Notice of the public hearing, including its date, time, and place, will be posted on www.boston.gov/public-notices and in Boston City Hall not less than forty-eight (48) hours in advance. If you would like to provide comments, you may attend the public hearing or send written comments to CC@boston.gov or Boston City Hall, Environment Department, Room 709, 1 City Hall Square, Boston, MA 02201

NOTE: If you would like to provide comments, you may attend the public hearing or send written comments to CC@boston.gov or Boston City Hall, Environment Department, Room 709, 1 City Hall Square, Boston, MA 02201

NOTE: You also may contact the Boston Conservation Commission or the Department of Environmental Protection Northeast Regional Office for more information about this application or the Wetlands Protection Act. To contact DEP, call: the Northeast Region: (978) 694-3200.

NOTE: If you plan to attend the public hearing and are in need of interpretation, please notify staff at CC@boston.gov by 12 PM the day before the hearing.

City of Boston
Environment

CITY of BOSTON
Conservation Commission

NOTIFICACIÓN PARA PROPIETARIOS Y/O VECINOS COLINDANTES
COMISIÓN DE CONSERVACIÓN DE BOSTON

De conformidad con la Ley de protección de los humedales de Massachusetts, el Capítulo 131, Sección 40 de las Leyes Generales de Massachusetts y la Ordenanza sobre los humedales de Boston, por la presente queda usted notificado como propietario o vecino colindante de un proyecto presentado ante la Comisión de Conservación de Boston.

A. University of Massachusetts Boston (Universidad de Massachusetts Boston) ha presentado una solicitud a la Comisión de Conservación de Boston pidiendo permiso para modificar una zona sujeta a protección en virtud de la Ley de protección de los humedales (Leyes generales, capítulo 131, sección 40) y la Ordenanza sobre los humedales de Boston.

B. La dirección del lote donde se propone la actividad es 100 Morrissey Boulevard, Boston, MA.

C. El proyecto consiste en reparaciones al UMass Boston Harborwalk y el reemplazo de una rampa peatonal.

D. Se pueden obtener copias del Aviso de Intención comunicándose con la Comisión de Conservación de Boston en CC@boston.gov.

E. Las copias de la notificación de intención pueden obtenerse por medio de Andrew Street (The Vertex Companies) al teléfono 781.400.6882 entre las 9:00 a.m. y las 5:00 p.m., de lunes a viernes.

F. De acuerdo con el Decreto Ejecutivo de le Mancomunidad de Massachusetts que suspende ciertas disposiciones de la Ley de reuniones abiertas, la audiencia pública se llevará a cabo virtualmente en https://zoom.us/j/6864582044. Si no puede acceder a Internet, puede llamar al 1-929-205-6099, ingresar ID de reunión 686 458 2044 # y usar # como su ID de participante.

G. La información relativa a la fecha y hora de la audiencia pública puede solicitarse a la **Comisión de Conservación de Boston** por correo electrónico a **CC@boston.gov** o llamando al **(617) 635-4416** entre las **9 AM y las 5 PM, de lunes a viernes.**

NOTA: La notificación de la audiencia pública, incluida su fecha, hora y lugar, se publicará en el **Boston Herald** con al menos cinco (5) días de antelación.

NOTA: La notificación de la audiencia pública, incluida su fecha, hora y lugar, se publicará en www.boston.gov/public-notices y en el Ayuntamiento de Boston con no menos de cuarenta y ocho (48) horas de antelación. Si desea formular comentarios, puede asistir a la audiencia pública o enviarlos por escrito a CC@boston.gov o al Ayuntamiento de Boston, Departamento de Medio Ambiente, Sala 709, 1 City Hall Square, Boston, MA 02201.

NOTA: También puede comunicarse con la Comisión de Conservación de Boston o con la Oficina Regional del Noreste del Departamento de Protección Ambiental para obtener más información sobre esta solicitud o la Ley de Protección de Humedales. Para comunicarse con el DEP, llame a la Región Noreste: (978) 694-3200.

NOTA: si tiene previsto asistir a la audiencia pública y necesita servicios de interpretación, sírvase informar al personal en CC@boston.gov antes de las 12 PM del día anterior a la audiencia.

April 6, 2022

Mr. Nicholas Moreno
Executive Director, Boston Conservation Commission
1 City Hall Square, Room 709
Boston, MA, 02201

Notice of Intent
University of Massachusetts Boston
100 Morrissey Boulevard, Boston, MA
VERTEX Project No. 62770

Dear Mr. Moreno,

I, Jorge Lynch, hereby attest that I am a native Spanish speaker, born and raised in Costa Rica, and have translated the attached Notification to Abutters for the project filed by University of Massachusetts Boston located in 100 Morrissey Boulevard, Boston, Massachusetts. To the best of my knowledge, ability, and belief, this information is a true, accurate, and complete translation of the original English document into the Spanish language.

Sincerely,

Jorge Lynch
Civil Design Engineer-Civil Engineering
The Vertex Companies, Inc.

BABEL NOTICE

English:

IMPORTANT! This document or application contains **important information** about your rights, responsibilities and/or benefits. It is crucial that you understand the information in this document and/or application, and we will provide the information in your preferred language at no cost to you. If you need them, please contact us at cc@boston.gov or 617-635-3850.

Spanish:

¡IMPORTANTE! Este documento o solicitud contiene **información importante** sobre sus derechos, responsabilidades y/o beneficios. Es fundamental que usted entienda la información contenida en este documento y/o solicitud, y le proporcionaremos la información en su idioma preferido sin costo alguno para usted. Si los necesita, póngase en contacto con nosotros en el correo electrónico cc@boston.gov o llamando al 617-635-3850.

Haitian Creole:

AVI ENPÒTAN! Dokiman oubyen aplikasyon sa genyen **enfòmasyon ki enpòtan** konsènan dwa, responsablite, ak/oswa benefis ou yo. Li enpòtan ke ou konprann enfòmasyon ki nan dokiman ak/oubyen aplikasyon sa, e n ap bay enfòmasyon an nan lang ou prefere a, san ou pa peye anyen. Si w bezwen yo, tanpri kontakte nou nan cc@boston.gov oswa 617-635-3850.

Traditional Chinese:

非常重要！這份文件或是申請表格包含關於您的權利，責任，和／或福利的重要信息。請您務必完全理解這份文件或申請表格的全部信息，這對我們來說十分重要。我們會免費給您提供翻譯服務。如果您有需要請聯系我們的郵箱 cc@boston.gov 電話# 617-635-3850..

Vietnamese:

QUAN TRỌNG! Tài liệu hoặc đơn yêu cầu này chứa **thông tin quan trọng** về các quyền, trách nhiệm và/hoặc lợi ích của bạn. Việc bạn hiểu rõ thông tin trong tài liệu và/hoặc đơn yêu cầu này rất quan trọng, và chúng tôi sẽ cung cấp thông tin bằng ngôn ngữ bạn muốn mà không tính phí. Nếu quý vị cần những dịch vụ này, vui lòng liên lạc với chúng tôi theo địa chỉ cc@boston.gov hoặc số điện thoại 617-635-3850.

Simplified Chinese:

非常重要！这份文件或是申请表格包含关于您的权利，责任，和／或福利的重要信息。请您务必完全理解这份文件或申请表格的全部信息，这对我们来说十分重要。我们会免费给您提供翻译服务。如果您有需要请联系我们的邮箱 cc@boston.gov 电话# 617-635-3850.

CITY of BOSTON

Cape Verdean Creole:

INPURTANTI! Es dukumentu ó aplikason ten **informason inpurtanti** sobri bu direitus, rasponsabilidadis i/ó benefísius. Ê krusial ki bu intendi informason na es dukumentu i/ó aplikason ó nu ta da informason na língua di bu preferênsia sen ninhun kustu pa bó. Si bu prisiza del, kontata-nu na cc@boston.gov ó 617-635-3850.

Arabic:

مهم! يحتوي هذا المستند أو التطبيق على معلومات مهمة حول حقوقك ومسؤولياتك أو فوائدك. من الأهمية أن تفهم المعلومات الواردة في هذا المستند أو التطبيق. سوف نقدم المعلومات بلغتك المفضلة دون أي تكلفة عليك. إذا كنت في حاجة إليها، يرجى الاتصال بنا على cc@boston.gov أو 617-635-3850.

Russian:

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Portuguese:

IMPORTANTE! Este documento ou aplicativo contém **Informações importantes** sobre os seus direitos, responsabilidades e/ou benefícios. É importante que você compreenda as informações contidas neste documento e/ou aplicativo, e nós iremos fornecer as informações em seu idioma de preferência sem nenhum custo para você. Se precisar deles, fale conosco: cc@boston.gov ou 617-635-3850.

French:

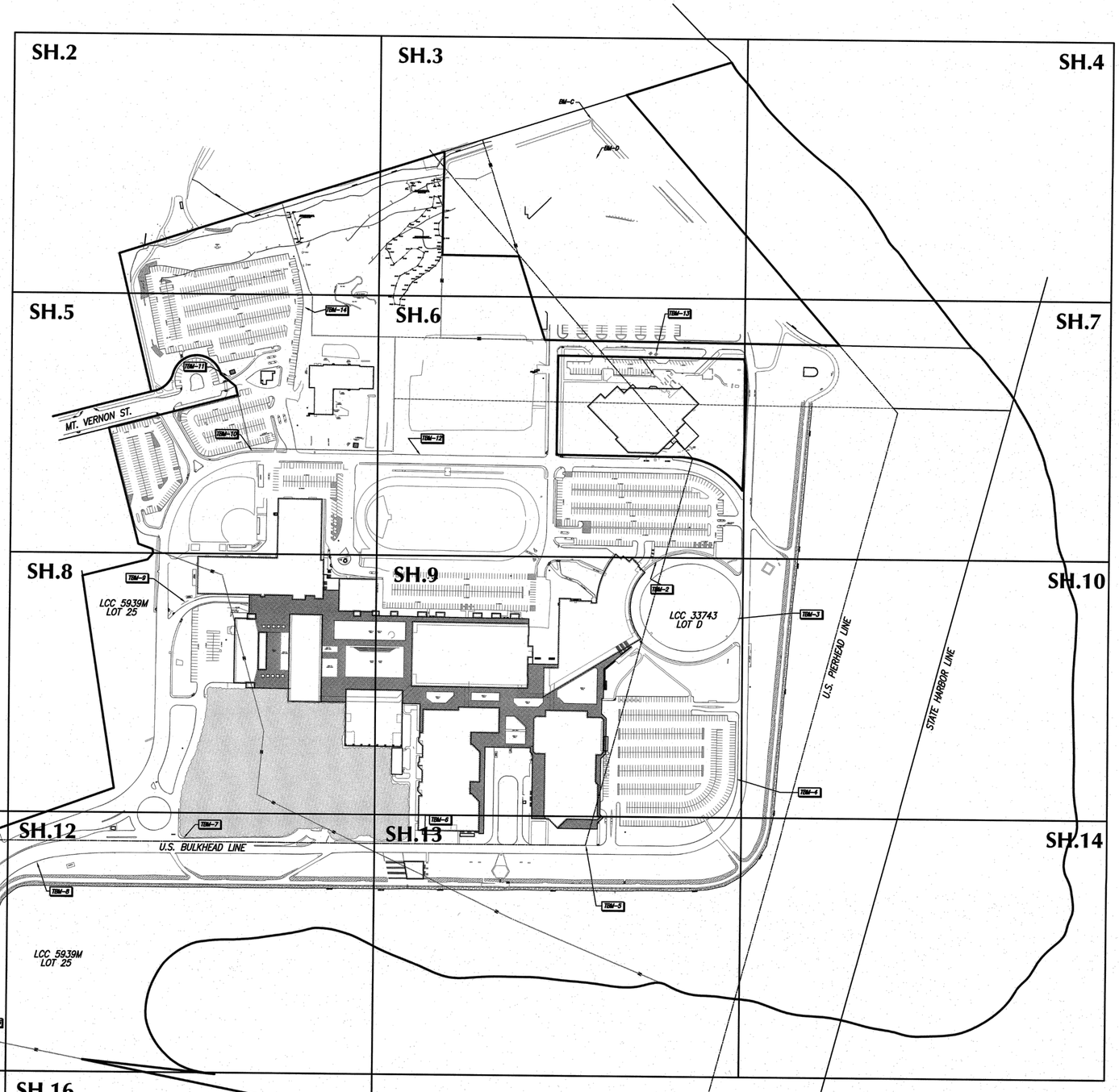
IMPORTANT ! Ce document ou cette demande contient des **informations importantes** concernant vos droits, responsabilités et/ou avantages. Il est essentiel que vous compreniez les informations contenues dans ce document et/ou cette demande, que nous pouvons vous communiquer gratuitement dans la langue de votre choix. Si vous en avez besoin, veuillez nous contacter à cc@boston.gov ou au 617-635-3850.

CITY of BOSTON

LEGEND

- WATER MANHOLE
- SEWER MANHOLE
- DRAIN MANHOLE
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- CABLE TV MANHOLE
- CABLE TV MANHOLE
- HYDRANT
- GROUND LIGHT
- POST INDICATOR VALVE
- CLEANOUT
- WATER SHUT OFF
- GAS SHUT OFF
- CATCH BASIN
- ROUND CATCH BASIN
- GUY WIRE
- TRAFFIC CONTROL BOX
- UTILITY POLE
- LIGHT POLE
- ELECTRIC HANDHOLE
- BOLLARD
- SIGN
- OBSERVATION WELL
- UTILITY POLE W/ LIGHT
- GUY WIRE
- TBM – TEMPORARY BENCH MARK
- REC – RECORD
- ENT – ENTRANCE
- VGC – VERTICAL GRANITE CURB
- SGC – SLOPED GRANITE CURB
- CC – CONCRETE CURB
- BCB – BIT. CONC. BERM
- CLF – CHAIN LINK FENCE
- RET – RETAINING
- BIT – BITUMINOUS
- CONC – CONCRETE
- WF–## – WETLAND FLAG NUMBER
- T – TOP
- B – BOTTOM
- TW – TOP OF WALL
- BW – BOTTOM OF WALL
- TC – TOP OF CURB
- BC – BOTTOM OF CURB
- R= – RIM ELEVATION
- I= – INVERT ELEVATION
- TT= – TOP OF TRAP
- TR= – CENTERLINE OF TROUGH
- BOT= – BOTTOM ELEVATION
- INACC. – INACCESSIBLE
- NVP – NO VISIBLE PIPES
- TOW – TOP OF WATER
- TOD – TOP OF DEBRIS
- CMP – CORRUGATED METAL PIPE
- PVC – POLYVINYL CHLORIDE
- CPP – CORRUGATED PLASTIC PIPE
- RCP – REINFORCED CONCRETE PIPE
- CI – CAST IRON
- FFE= – FINISHED FLOOR ELEVATION
- TH= – THRESHOLD
- M&S – MULCH AND SHRUBS
- TD – TRENCH DRAIN
- FND – FOUND
- EDGE OF WOODS
- GUARD RAIL
- METAL FENCE
- SEWER
- DRAIN
- WATER
- GAS
- ELECTRIC
- STREET LIGHTING
- TELEPHONE
- OVERHEAD WIRES
- HANDICAP PARKING SPACE
- WETLAND FLAG
- DECIDUOUS TREE
- CONIFEROUS TREE
- WHEELCHAIR RAMP
- STONE RIP RAP
- UPPER PLAZA

MASSACHUSETTS STATE PLANE COORDINATE SYSTEM MAINLAND ZONE



NOTES:

1) BENCH MARK INFORMATION:

BENCH MARKS USED:
BM–C: NORTH CORNER OF 3.5 FOOT HIGH CONCRETE WALL AS SHOWN HEREON. ELEVATION=20.48

BM–D: RIGHT OUTER CORNER LOWER STONE STEP (R.O.C.L.S.S.) AT THE ENTRANCE TO THE JFK LIBRARY AND MUSEUM AS SHOWN HEREON. ELEVATION=18.87

TEMPORARY BENCH MARKS SET:

TBM–2: LEFT HYDRANT FLANGE BOLT AS SHOWN ON SHEET 9 OF 16. ELEVATION=33.30
N=2939412.52, E=781697.80

TBM–3: CHISELED SQUARE IN CONCRETE LIGHT POLE BASE AS SHOWN ON SHEET 9 OF 16. ELEVATION=26.22
N=2939100.62, E=781785.27

TBM–4: CHISELED SQUARE IN THROATSTONE OF CATCHBASIN AS SHOWN ON SHEET 9 OF 16. ELEVATION=23.89
N=2938696.73, E=781457.31

TBM–5: CHISELED "X" IN THE LEFT HYDRANT FLANGE BOLT AS SHOWN ON SHEET 13 OF 16. ELEVATION=24.96
N=2938840.11, E=780941.53

TBM–6: CHISELED "X" IN THE LEFT HYDRANT FLANGE BOLT AS SHOWN ON SHEET 13 OF 16. ELEVATION=29.04
N=2939169.84, E=780539.29

TBM–7: CHISELED SQUARE IN THROATSTONE OF CATCHBASIN AS SHOWN ON SHEET 12 OF 16. ELEVATION=22.83
N=2939670.91, E=779941.36

TBM–8: CHISELED "X" IN THE MOST NORTHERLY STEEL POST OF THE GUARDRAIL AT ENTRANCE TO MAIN CAMPUS AS SHOWN ON SHEET 12 OF 16. ELEVATION=24.74
N=2939908.41, E=779523.17

TBM–9: CHISELED "X" IN THE FLANGE BOLT OVER THE MAIN OUTLET AS SHOWN ON SHEET 8 OF 16. ELEVATION=23.55
N=2940265.55, E=780424.36

TBM–10: CHISELED "X" IN THE SOUTHEASTERLY BOLT OF METAL LIGHT POLE BASE AS SHOWN ON SHEET 5 OF 16. ELEVATION=24.09
N=2940506.27, E=780899.66

TBM–11: CHISELED SQUARE IN THE CONCRETE PAD WITH TRANSFORMER AS SHOWN ON SHEET 5 OF 16. ELEVATION=19.54
N=2940745.72, E=780990.90

TBM–12: CHISELED SQUARE IN THE THROATSTONE OF CATCHBASIN AS SHOWN ON SHEET 6 OF 16. ELEVATION=22.57
N=2940157.95, E=781315.74

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TBM–16: CHISELED "X" ON THE LEFT EYEHOOK ON THE RIGHT BOLLARD AT THE ENTRANCE TO THE BOAT DOCK AS SHOWN ON SHEET 3 OF 16. ELEVATION=19.81
N=2940350.6, E=782462.1

2) CONTOUR INTERVAL EQUALS ONE (1) FOOT.

3) ELEVATIONS REFER TO BOSTON CITY BASE (BCB).

4) UTILITY INFORMATION SHOWN IS BASED ON BOTH A FIELD SURVEY AND PLANS OF RECORD. THE LOCATIONS OF UNDERGROUND PIPES AND CONDUITS HAVE BEEN DETERMINED FROM THE AFOREMENTIONED RECORD PLANS AND ARE APPROXIMATE ONLY. WE CANNOT ASSUME RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES THAT ARE OMITTED OR INACCURATELY SHOWN ON SAID RECORD PLANS, SINCE SUB–SURFACE UTILITIES CANNOT BE VISIBLY VERIFIED. BEFORE PLANNING FUTURE CONNECTIONS, THE PROPER UTILITY ENGINEERING DEPARTMENT SHOULD BE CONSULTED AND THE ACTUAL LOCATION OF SUB–SURFACE STRUCTURES SHOULD BE DETERMINED IN THE FIELD. CALL, TOLL FREE, THE DIG SAFE CALL CENTER AT 1–888–344–7233 SEVENTY–TWO HOURS PRIOR TO EXCAVATION.

5) THIS DOCUMENT IS AN INSTRUMENT OF SERVICE OF HARRY R. FELDMAN, INC. ISSUED TO OUR CLIENT FOR PURPOSES RELATED DIRECTLY AND SOLELY TO HARRY R. FELDMAN INC.'S SCOPE OF SERVICES UNDER CONTRACT TO OUR CLIENT FOR THIS PROJECT. ANY USE OR REUSE OF THIS DOCUMENT FOR ANY REASON BY ANY PARTY FOR PURPOSES UNRELATED DIRECTLY AND SOLELY TO SAID CONTRACT SHALL BE AT THE USER'S SOLE AND EXCLUSIVE RISK AND LIABILITY, INCLUDING LIABILITY FOR VIOLATION OF COPYRIGHT LAWS. UNLESS WRITTEN CONSENT IS PROVIDED BY HARRY R. FELDMAN, INC.

6) TOP OF COASTAL BANK DELINEATION WAS PREPARED BY EPSILON ASSOCIATES, INC APRIL 23, 2012.

NOTES:

1. BY GRAPHIC PLOTTING ONLY, THE PARCEL SHOWN HEREON LIES WITHIN A ZONE "X" (UNSHADED), AN AREA OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOOD, ZONE AE, AN AREA WITHIN THE 1% ANNUAL FLOOD CHANCE WITH A BASE FLOOD ELEVATION OF 13, ZONE AE, AN AREA WITHIN THE 1% ANNUAL FLOOD CHANCE WITH A BASE FLOOD ELEVATION OF 11, ZONE VE, A COASTAL FLOOD ZONE WITH VELOCITY HAZARDS, WITHIN THE 1% FLOOD CHANCE, WITH A BASE FLOOD ELEVATION OF 14, ZONE VE, A COASTAL FLOOD ZONE WITH VELOCITY HAZARDS, WITH A BASE FLOOD ELEVATION OF 13, AS SHOWN ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY (F.E.M.A) FLOOD INSURANCE RATE MAPS (F.I.R.M.) FOR SUFFOLK COUNTY, MASSACHUSETTS, MAP NUMBERS 25025C0083J AND 25025C0091J, CITY OF BOSTON COMMUNITY NUMBER 250286, PANEL NUMBERS 83 AND 91, HAVING AN EFFECTIVE DATE OF MARCH 16, 2016.

2. THE EXISTING CONDITIONS SHOWN HEREON WAS COMPLETED ON FEBRUARY 21, 2012 AND HAS NOT BEEN UPDATED WITH A FIELD SURVEY.

REFERENCES:

SUFFOLK COUNTY REGISTRY OF DEEDS
BOOK 8343 PAGE 694
BOOK 9009 PAGE 007
BOOK 9832 PAGE 031

PLANS
BOOK 8324 PAGE 505
BOOK 8860 PAGE END

MASSACHUSETTS LAND COURT
LCC 5939M AND 33743A

FEMA FLOOD INSURANCE RATE MAPS
25025C0083G
25025C0091G

HARBOR LINE, BOSTON, MASSACHUSETTS, SHEET NO. 13 DATED JUNE 30, 1939 BY THE U.S. ENGINEERS OFFICE, BOSTON, MA.

I CERTIFY THAT THIS PLAN IS BASED ON AN ACTUAL FIELD SURVEY AND THE LATEST RECORD PLANS, DEEDS AND CERTIFICATES OF TITLE.

PAUL R. FOLEY, PLS (No. 48355) — DATE 12/12/2012

COMMONWEALTH OF MASSACHUSETTS — PAUL R. FOLEY No. 48355 — REGISTERED PROFESSIONAL LAND SURVEYOR

KEY SHEET

UNIVERSITY OF MASSACHUSETTS–BOSTON
BOSTON, (DORCHESTER DISTRICT) **MASS.**

SCALE: 1"=160'
FEBRUARY 21, 2012

HARRY R. FELDMAN, INC.
112 SHAWMUT AVENUE
BOSTON, MASS. 02118
LAND SURVEYORS
PHONE: (617)357–9740
www.harryrfeldman.com

FELDMAN
Professional Land Surveyors

160 0 80 160 320 640
GRAPHIC SCALE

RESEARCH PRF	FIELD CHIEF TA	PROJ MGR PRF	APPROVED	SHEET NO. 1 OF 16
CALC PRF	CADD RDN/MS	FIELD CHECKED TA	CRD FILE 13360	JOB NO. 13360

FILENAME: S:\PROJECTS\13300s\13360\13360–ECP.dwg

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LEGEND

Symbol	Description
Ⓦ	WATER MANHOLE
Ⓢ	SEWER MANHOLE
Ⓓ	DRAIN MANHOLE
Ⓔ	ELECTRIC MANHOLE
Ⓣ	TELEPHONE MANHOLE
Ⓒ	CABLE TV MANHOLE
SP	CABLE TV MANHOLE
	HYDRANT
	GROUND LIGHT
PIV	POST INDICATOR VALVE
CO	CLEANOUT
	WATER SHUT OFF
	GAS SHUT OFF
	CATCH BASIN
	ROUND CATCH BASIN
	GUY WIRE
	TRAFFIC CONTROL BOX
	UTILITY POLE
	LIGHT POLE
	ELECTRIC HANDHOLE
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M&S	MULCH AND SHRUBS
TD	TRENCH DRAIN
FND	FOUND
	EDGE OF WOODS
	GUARD RAIL
—X—X—	METAL FENCE
—S—	SEWER
—D—	DRAIN
—W—	WATER
—G—	GAS
—E—	ELECTRIC
—L—	STREET LIGHTING
—T—	TELEPHONE
—OHW—	OVERHEAD WIRES
	HANDICAP PARKING SPACE
▲	WETLAND FLAG
	DECIDUOUS TREE
	CONIFEROUS TREE
	WHEELCHAIR RAMP
	STONE RIP RAP
	UPPER PLAZA

NOTES:

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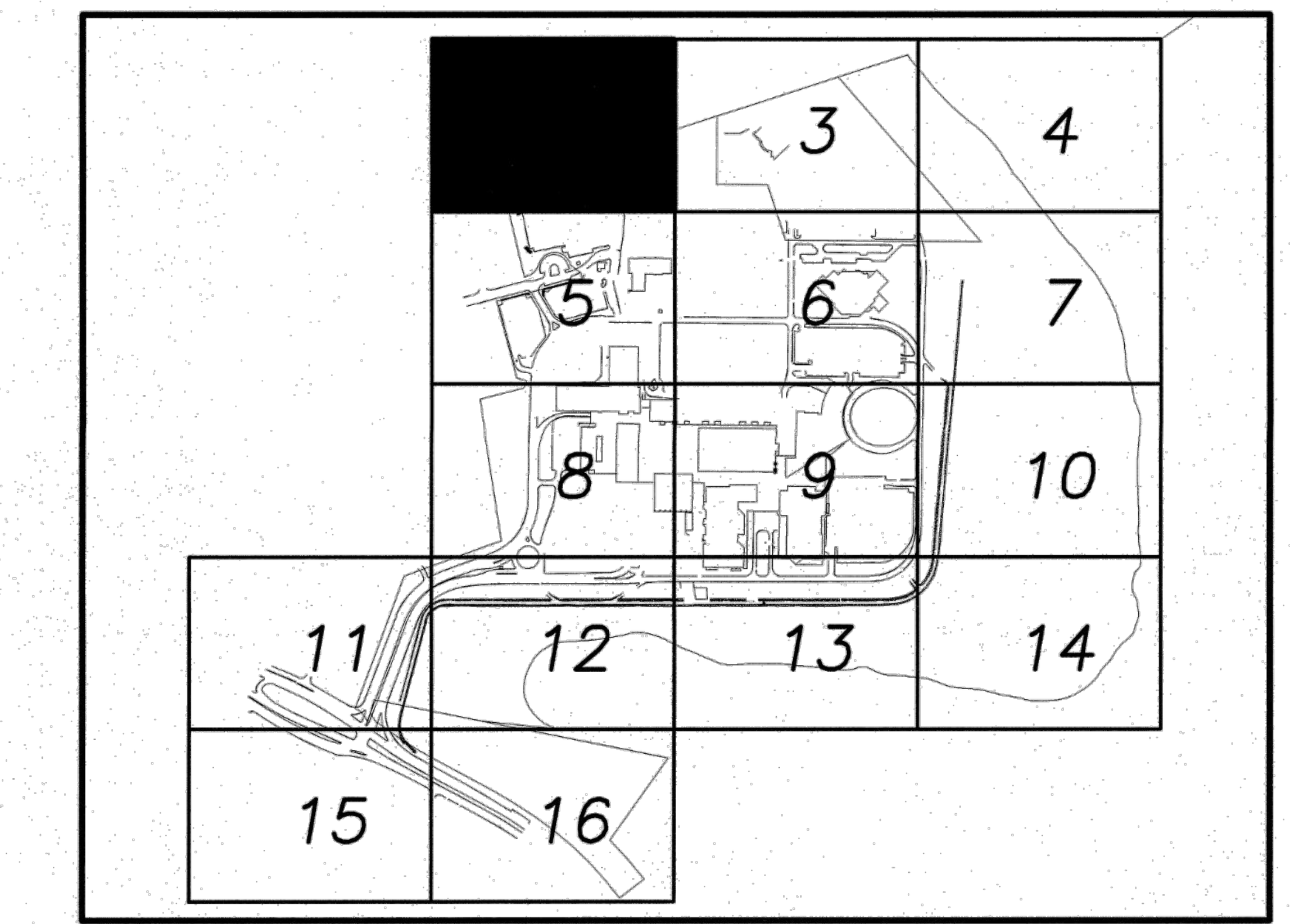
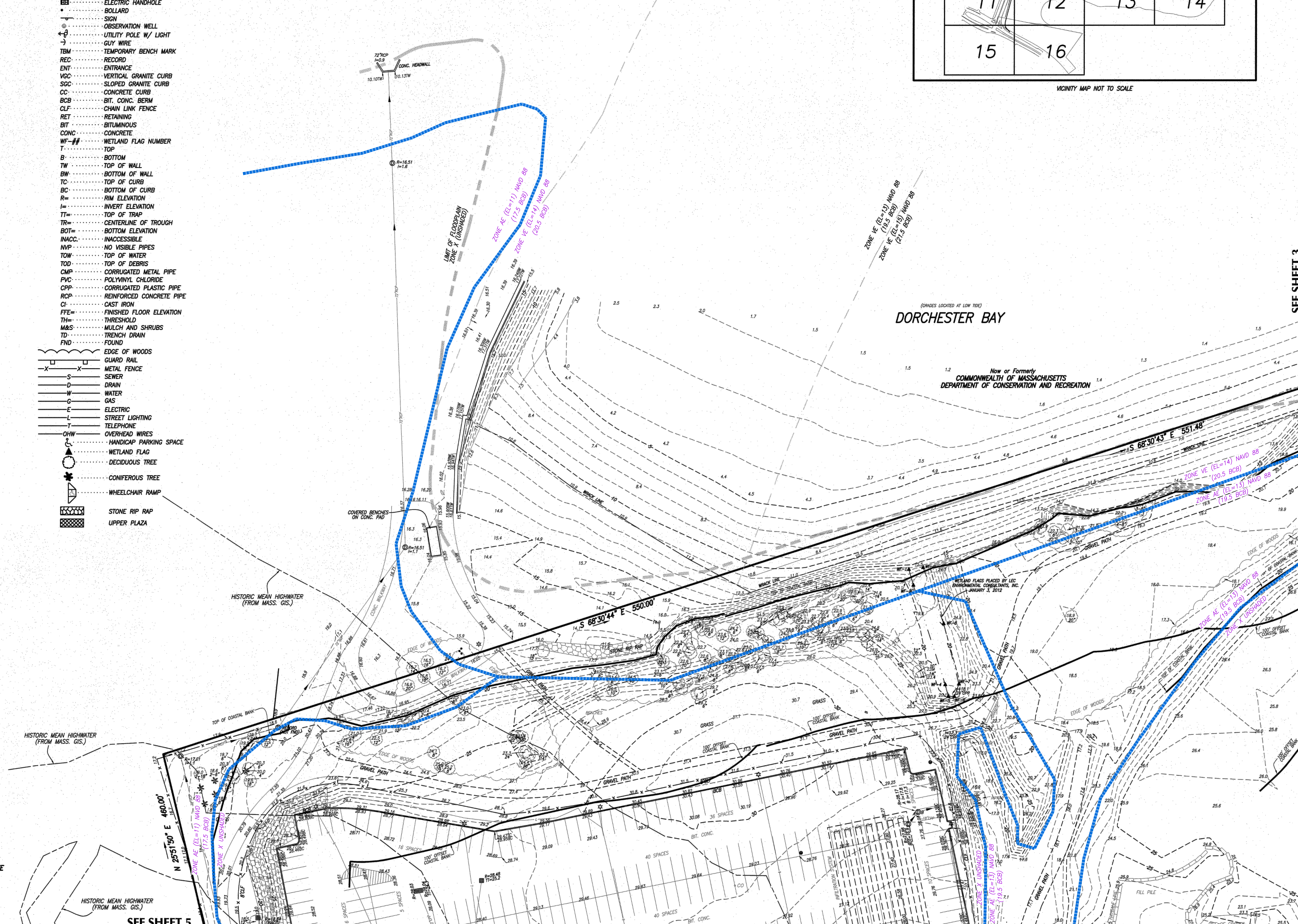


VICINITY MAP NOT TO SCALE

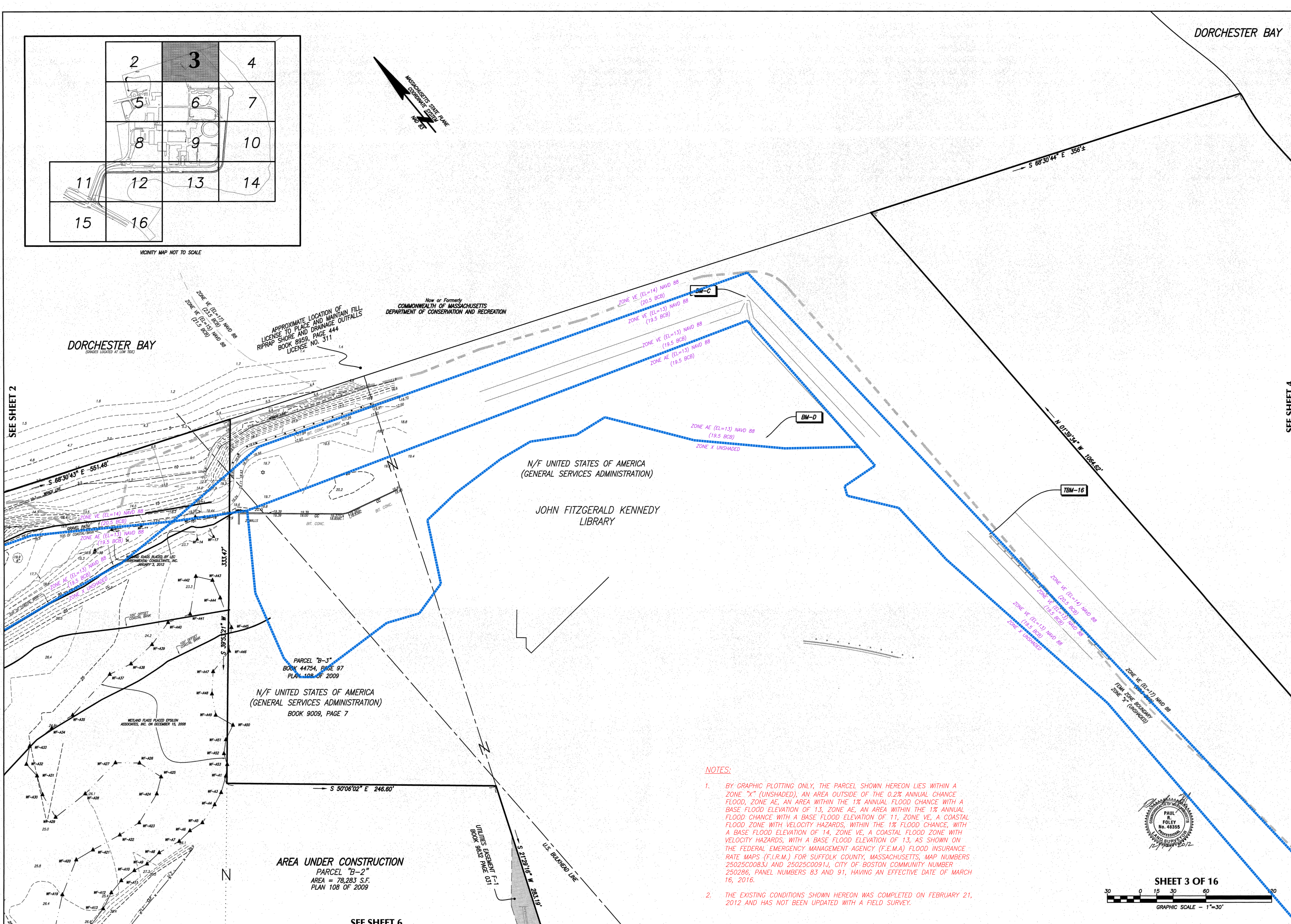


Now or Formerly
HARBOR POINT APTS CO LESSEE

SHEET 2 OF 16

30 0 15 30 60 120
GRAPHIC SCALE – 1"=30'

PAUL R. FOLEY No. 48355 LAND SURVEYOR
12/12/2012



DORCHESTER BAY
VICINITY MAP NOT TO SCALE
MASSACHUSETTS STATE PLANE COORDINATE SYSTEM NAD 83
S 68°30'44" E 356'±
APPROXIMATE LOCATION OF LICENSE TO PLACE AND MAINTAIN FILL, RIPRAP SHORE AND DRAINAGE OUTFALLS BOOK 8959, PAGE 444 LICENSE NO. 311
Now or Formerly COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF CONSERVATION AND RECREATION
DORCHESTER BAY
SEE SHEET 2
SEE SHEET 4
BM-C
BM-D
TBM-16
N 01°39'34" W 1064.62'
S 68°30'43" E 551.48'
N/F UNITED STATES OF AMERICA (GENERAL SERVICES ADMINISTRATION)
JOHN FITZGERALD KENNEDY LIBRARY
ZONE VE (EL=14) NAVD 88 (20.5 BCB)
ZONE VE (EL=13) NAVD 88 (19.5 BCB)
ZONE AE (EL=13) NAVD 88 (19.5 BCB)
ZONE X UNSHADED
ZONE VE (EL=17) NAVD 88
FEMA ZONE BOUNDARY ZONE "X" (UNSHADED)
333.47'
S 39°53'21" W
PARCEL "B-3" BOOK 44754, PAGE 97 PLAN 108 OF 2009
N/F UNITED STATES OF AMERICA (GENERAL SERVICES ADMINISTRATION) BOOK 9009, PAGE 7
WETLAND FLAGS PLACED BY LEC ENVIRONMENTAL CONSULTANTS, INC. JANUARY 3, 2012
WETLAND FLAGS PLACED EPSILON ASSOCIATES, INC. ON DECEMBER 15, 2008
S 50°06'02" E 246.60'
UTILITIES EASEMENT F-1 BOOK 9832 PAGE 031
S 21°29'16" W 283.19'
U.S. BULKHEAD LINE
AREA UNDER CONSTRUCTION PARCEL "B-2" AREA = 78,283 S.F. PLAN 108 OF 2009
SEE SHEET 6
SHEET 3 OF 16
GRAPHIC SCALE – 1"=30'
PAUL R. FOLEY No. 48355 PROFESSIONAL LAND SURVEYOR

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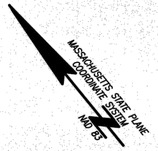

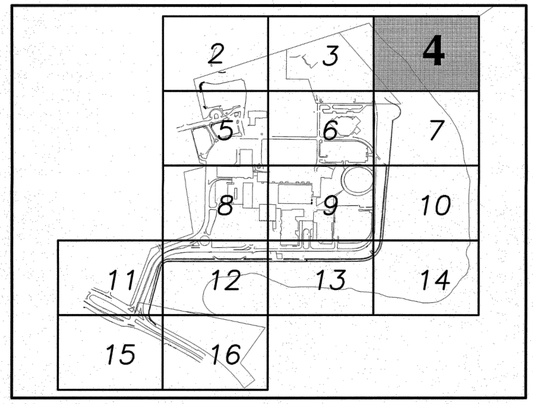

VICINITY MAP NOT TO SCALE

SEE SHEET 3

DORCHESTER BAY

N 01°36'54" W 1064.62'

ZONE VE (EL=17) NAVD 88 (23.5 BCB)

ZONE VE (EL=19) NAVD 88 (25.5 BCB)

ZONE VE (EL=14) NAVD 88 (23.5 BCB)

ZONE VE (EL=13) NAVD 88 (19.5 BCB)

SEE SHEET 7

NOTES:

1. BY GRAPHIC PLOTTING ONLY, THE PARCEL SHOWN HEREON LIES WITHIN A ZONE "X" (UNSHADED), AN AREA OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOOD, ZONE AE, AN AREA WITHIN THE 1% ANNUAL FLOOD CHANCE WITH A BASE FLOOD ELEVATION OF 13, ZONE AE, AN AREA WITHIN THE 1% ANNUAL FLOOD CHANCE WITH A BASE FLOOD ELEVATION OF 11, ZONE VE, A COASTAL FLOOD ZONE WITH VELOCITY HAZARDS, WITHIN THE 1% FLOOD CHANCE, WITH A BASE FLOOD ELEVATION OF 14, ZONE VE, A COASTAL FLOOD ZONE WITH VELOCITY HAZARDS, WITH A BASE FLOOD ELEVATION OF 13, AS SHOWN ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY (F.E.M.A) FLOOD INSURANCE RATE MAPS (F.I.R.M.) FOR SUFFOLK COUNTY, MASSACHUSETTS, MAP NUMBERS 25025C0083J AND 25025C0091J, CITY OF BOSTON COMMUNITY NUMBER 250286, PANEL NUMBERS 83 AND 91, HAVING AN EFFECTIVE DATE OF MARCH 16, 2016.

2. THE EXISTING CONDITIONS SHOWN HEREON WAS COMPLETED ON FEBRUARY 21, 2012 AND HAS NOT BEEN UPDATED WITH A FIELD SURVEY.

COMMONWEALTH OF MASSACHUSETTS
PAUL R. FOLEY
No. 48355
REGISTERED PROFESSIONAL LAND SURVEYOR

12/19/2022

SHEET 4 OF 16

30 0 15 30 60 120

GRAPHIC SCALE – 1"=30'

LEGEND

- WATER MANHOLE
- SEWER MANHOLE
- DRAIN MANHOLE
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- CABLE TV MANHOLE
- CABLE TV MANHOLE
- HYDRANT
- GROUND LIGHT
- POST INDICATOR VALVE
- CLEANOUT
- WATER SHUT OFF
- GAS SHUT OFF
- CATCH BASIN
- ROUND CATCH BASIN
- GUY WIRE
- TRAFFIC CONTROL BOX
- UTILITY POLE
- LIGHT POLE
- ELECTRIC HANDHOLE
- BOLLARD
- SIGN
- OBSERVATION WELL
- UTILITY POLE W/ LIGHT
- GUY WIRE
- TBM · TEMPORARY BENCH MARK
- REC · RECORD
- ENT · ENTRANCE
- VGC · VERTICAL GRANITE CURB
- SGC · SLOPED GRANITE CURB
- CC · CONCRETE CURB
- BCB · BIT. CONC. BERM
- CLF · CHAIN LINK FENCE
- RET · RETAINING
- BIT · BITUMINOUS
- CONC · CONCRETE
- WF-## · WETLAND FLAG NUMBER
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- B · BOTTOM
- TW · TOP OF WALL
- BW · BOTTOM OF WALL
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- R= · RIM ELEVATION
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- BOT= · BOTTOM ELEVATION
- INACC. · INACCESSIBLE
- NVP · NO VISIBLE PIPES
- TOW · TOP OF WATER
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- CMP · CORRUGATED METAL PIPE
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- CPP · CORRUGATED PLASTIC PIPE
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- CI · CAST IRON
- FFE= · FINISHED FLOOR ELEVATION
- TH= · THRESHOLD
- M&S · MULCH AND SHRUBS
- TD · TRENCH DRAIN
- FND · FOUND
- EDGE OF WOODS
- GUARD RAIL
- X—X — METAL FENCE
- S — SEWER
- D — DRAIN
- W — WATER
- G — GAS
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- L — STREET LIGHTING
- T — TELEPHONE
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- HANDICAP PARKING SPACE
- WETLAND FLAG
- DECIDUOUS TREE
- CONIFEROUS TREE
- WHEELCHAIR RAMP
- STONE RIP RAP
- UPPER PLAZA

NOTES:

1) BENCH MARK INFORMATION:

BENCH MARKS USED:
BM–C: NORTH CORNER OF 3.5 FOOT HIGH CONCRETE WALL AS SHOWN HEREON. ELEVATION=20.48

BM–D: RIGHT OUTER CORNER LOWER STONE STEP (R.O.C.L.S.S.) AT THE ENTRANCE TO THE JFK LIBRARY AND MUSEUM AS SHOWN HEREON. ELEVATION=18.87

TEMPORARY BENCH MARKS SET:

TBM–2: LEFT HYDRANT FLANGE BOLT AS SHOWN ON SHEET 9 OF 16. ELEVATION=33.30
N=2939412.52, E=781697.80

TBM–3: CHISELED SQUARE IN CONCRETE LIGHT POLE BASE AS SHOWN ON SHEET 9 OF 16. ELEVATION=26.22
N=2939100.62, E=781785.27

TBM–4: CHISELED SQUARE IN THROATSTONE OF CATCHBASIN AS SHOWN ON SHEET 9 OF 16. ELEVATION=23.89
N=2938696.73, E=781457.31

TBM–5: CHISELED "X" IN THE LEFT HYDRANT FLANGE BOLT AS SHOWN ON SHEET 13 OF 16. ELEVATION=24.96
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TBM–8: CHISELED "X" IN THE MOST NORTHERLY STEEL POST OF THE GUARDRAIL AT ENTRANCE TO MAIN CAMPUS AS SHOWN ON SHEET 12 OF 16. ELEVATION=24.74
N=2939908.41, E=779523.17

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N=2940265.55, E=780424.36

TBM–10: CHISELED "X" IN THE SOUTHEASTERLY BOLT OF METAL LIGHT POLE BASE AS SHOWN ON SHEET 5 OF 16. ELEVATION=24.09
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TBM–12: CHISELED SQUARE IN THE THROATSTONE OF CATCHBASIN AS SHOWN ON SHEET 6 OF 16. ELEVATION=22.57
N=2940157.95, E=781315.74

TBM–13: LEFT OUTER CORNER LOWER GRANITE STEP (L.O.C.L.G.S.) AS SHOWN ON SHEET 6 OF 16. ELEVATION=32.46
N=2939937.58, E=782119.08

TBM–14: CHISELED SQUARE SET ON CONCRETE LIGHT POLE AS SHOWN ON SHEET 5 OF 16. ELEVATION=26.64
N=2940764.79, E=781323.07

TBM–15: CHISELED "X" CUT IN THE NORTHWESTERLY BOLT OF LIGHT POLE AS SHOWN ON SHEET 11 OF 16. ELEVATION=17.27
N=2939627.52, E=778947.17

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N=2940350.6, E=782462.1

2) CONTOUR INTERVAL EQUALS ONE (1) FOOT.

3) ELEVATIONS REFER TO BOSTON CITY BASE (BCB).

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5) THIS DOCUMENT IS AN INSTRUMENT OF SERVICE OF HARRY R. FELDMAN, INC. ISSUED TO OUR CLIENT FOR PURPOSES RELATED DIRECTLY AND SOLELY TO HARRY R. FELDMAN INC.'S SCOPE OF SERVICES UNDER CONTRACT TO OUR CLIENT FOR THIS PROJECT. ANY USE OR REUSE OF THIS DOCUMENT FOR ANY REASON BY ANY PARTY FOR PURPOSES UNRELATED DIRECTLY AND SOLELY TO SAID CONTRACT SHALL BE AT THE USER'S SOLE AND EXCLUSIVE RISK AND LIABILITY, INCLUDING LIABILITY FOR VIOLATION OF COPYRIGHT LAWS, UNLESS WRITTEN CONSENT IS PROVIDED BY HARRY R. FELDMAN, INC.

SEE SHEET 2

SEE SHEET 6

SEE SHEET 8

MASSACHUSETTS STATE PLANE COORDINATE SYSTEM NAD 83

HISTORIC MEAN HIGHWATER (FROM MASS. GIS.)

Now or Formerly
HARBOR POINT APTS CO LESSEE

L=209.44'
R=80.00'
Δ=150°00'01"
CH-BRG=N 50°20'20" W
CH.=154.55'

L=83.78'
R=80.00'
Δ=60°00'11"
CH-BRG=N 84°39'44" E
CH.=80.00'

N 25°51'50" E 460.00'

N 65°20'10" W 13.71'

N 11°44'40" W 82.13'

N 25°51'50" E 30.01'

N 65°20'10" W 429.69'

MT. VERNON STREET
(PUBLIC – 80' WIDE)

DETAIL "A"
SCALE: 1"=30'

N 24°39'54" E 386.73'

N 25°51'50" E 460.00'

UNIVERSITY LOT D

UNIVERSITY LOT B

UNIVERSITY LOT C

INTERIOR LOT LINE (TYPICAL)

JUTTLES EASEMENT J-1
BOOK 9832 PAGE 031

50'-WIDE ROADWAY EASEMENT J-1
BOOK 9832 PAGE 031

50'-WIDE ROADWAY EASEMENT J-2
BOOK 9832 PAGE 031

15'-WIDE UTILITIES EASEMENT I-2
BOOK 9832 PAGE 031

TBM-14

TBM-11

TBM-10

ZONE AE (EL=11) NAVD 88 (17.5 BCB)
ZONE X UNSHADED

ZONE AE (EL=13) NAVD 88 (19.5 BCB)
ZONE X UNSHADED

1 STORY STONE TAKEN FROM PHOTOGRAMMETRY

CALF PASTURE PUMPING STATION
1–3 STORY STONE

1 STORY CONC.

CLARK LOT

CLARK ATHLETIC CENTER
3 STORY BRICK

HISTORIC MEAN HIGHWATER (FROM MASS. GIS.)

Now or Formerly
PENINSULA HOUSING I LLC

IRON ROD W/ CAP FOUND

N 24°39'54" E 386.73'

N 30°45'45" W 49.05'

N 31°49'56" E 13.54'

N 79°51'15" E 27.59'

S 65°00'10" E 215.80'

DETAIL "B"
SCALE: 1"=30'

NOTES:

1. BY GRAPHIC PLOTTING ONLY, THE PARCEL SHOWN HEREON LIES WITHIN A ZONE "X" (UNSHADED), AN AREA OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOOD, ZONE AE, AN AREA WITHIN THE 1% ANNUAL FLOOD CHANCE WITH A BASE FLOOD ELEVATION OF 13, ZONE AE, AN AREA WITHIN THE 1% ANNUAL FLOOD CHANCE WITH A BASE FLOOD ELEVATION OF 11, ZONE VE, A COASTAL FLOOD ZONE WITH VELOCITY HAZARDS, WITHIN THE 1% FLOOD CHANCE, WITH A BASE FLOOD ELEVATION OF 14, ZONE VE, A COASTAL FLOOD ZONE WITH VELOCITY HAZARDS, WITH A BASE FLOOD ELEVATION OF 13, AS SHOWN ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY (F.E.M.A) FLOOD INSURANCE RATE MAPS (F.I.R.M.) FOR SUFFOLK COUNTY, MASSACHUSETTS, MAP NUMBERS 25025C0083J AND 25025C0091J, CITY OF BOSTON COMMUNITY NUMBER 250286, PANEL NUMBERS 83 AND 91, HAVING AN EFFECTIVE DATE OF MARCH 16, 2016.

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COMMONWEALTH OF MASSACHUSETTS
PAUL R. FOLEY
No. 48355
REGISTERED PROFESSIONAL LAND SURVEYOR

SHEET 5 OF 16

30 0 15 30 60 120
GRAPHIC SCALE – 1"=30'

SEE SHEET3

SHEET 6 OF 16

GRAPHIC SCALE – 1"=30'

SEE SHEET 5

SEE SHEET 7

SEE SHEET 9

N/F UNITED STATES OF AMERICA
(GENERAL SERVICES ADMINISTRATION)

N/F COMMONWEALTH OF MASSACHUSETTS
(MASSACHUSETTS ARCHIVES BUILDING)

UNIVERSITY LOT A

NORTH LOT

U.S. BULKHEAD LINE

S 21°29'16" W 283.19'

N 39°53'26" E 321.00'

S 50°06'40" E 954.86'

S 50°06'34" E 601.86'

N 50°06'32" W 395.10'

S 41°13'06" W

UTILITIES EASEMENT F-1
BOOK 9832 PAGE 031

200' SEWER EASEMENT

UTILITIES EASEMENT F-2
BOOK 9832 PAGE 031

ROADWAY EASEMENT "A"
BOOK 9832 PAGE 031

PARKING EASEMENT "B"
BOOK 9832 PAGE 031

15'-WIDE UTILITIES EASEMENT I-2
BOOK 9832 PAGE 031

UTILITIES EASEMENT F-3
BOOK 9832 PAGE 031

50'-WIDE ROADWAY EASEMENT J-2
BOOK 9832 PAGE 031

ROADWAY EASEMENT "C"
BOOK 9832 PAGE 031

CHILLED WATER EASEMENT "G"
BOOK 9832 PAGE 031

EASEMENT FOR PARKING AREA "D"
BOOK 9832 PAGE 031

TBM-12

TBM-13

ZONE "AE" (EL=16) NAVD 88
(25.5 NGVD)

FEMA ZONE BOUNDARY

ZONE "X" (UNSHADED)

HISTORIC MEAN HIGHWATER
(FROM MASS. GIS.)

L=108.08'
R=509.46'
Δ=12°09'18"
CH-BRG=N 35°14'27" E
CH.=107.88'

L=241.41'
R=257.51'
Δ=53°42'51"
CH-BRG=S 23°15'07" E
CH.=232.66'

1 STORY BRICK

LINE OF BUILDING UNDER

MASSACHUSETTS STATE PLANE COORDINATE SYSTEM NAD 83

NOTES:

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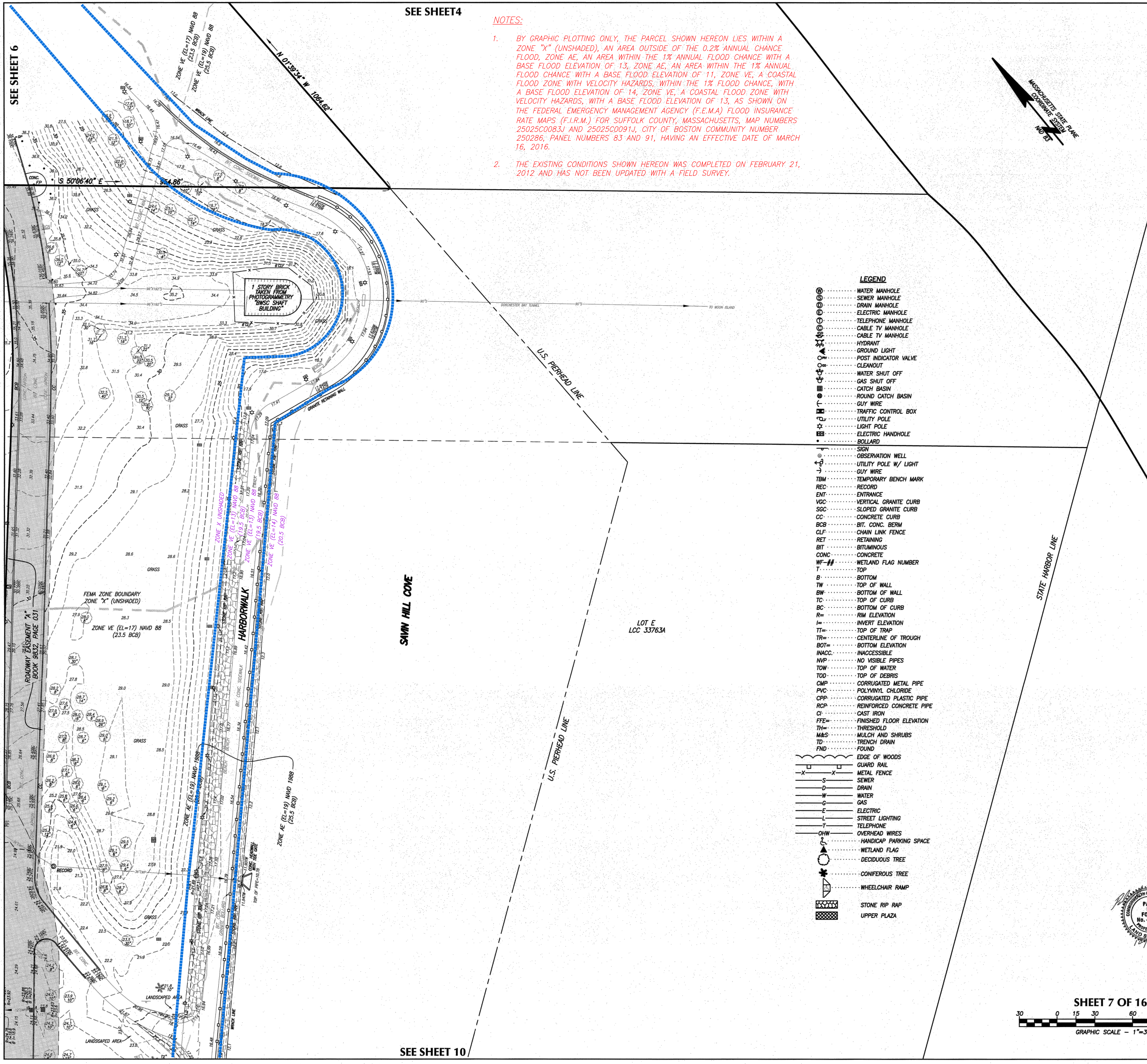

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- DRAIN MANHOLE
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- CABLE TV MANHOLE
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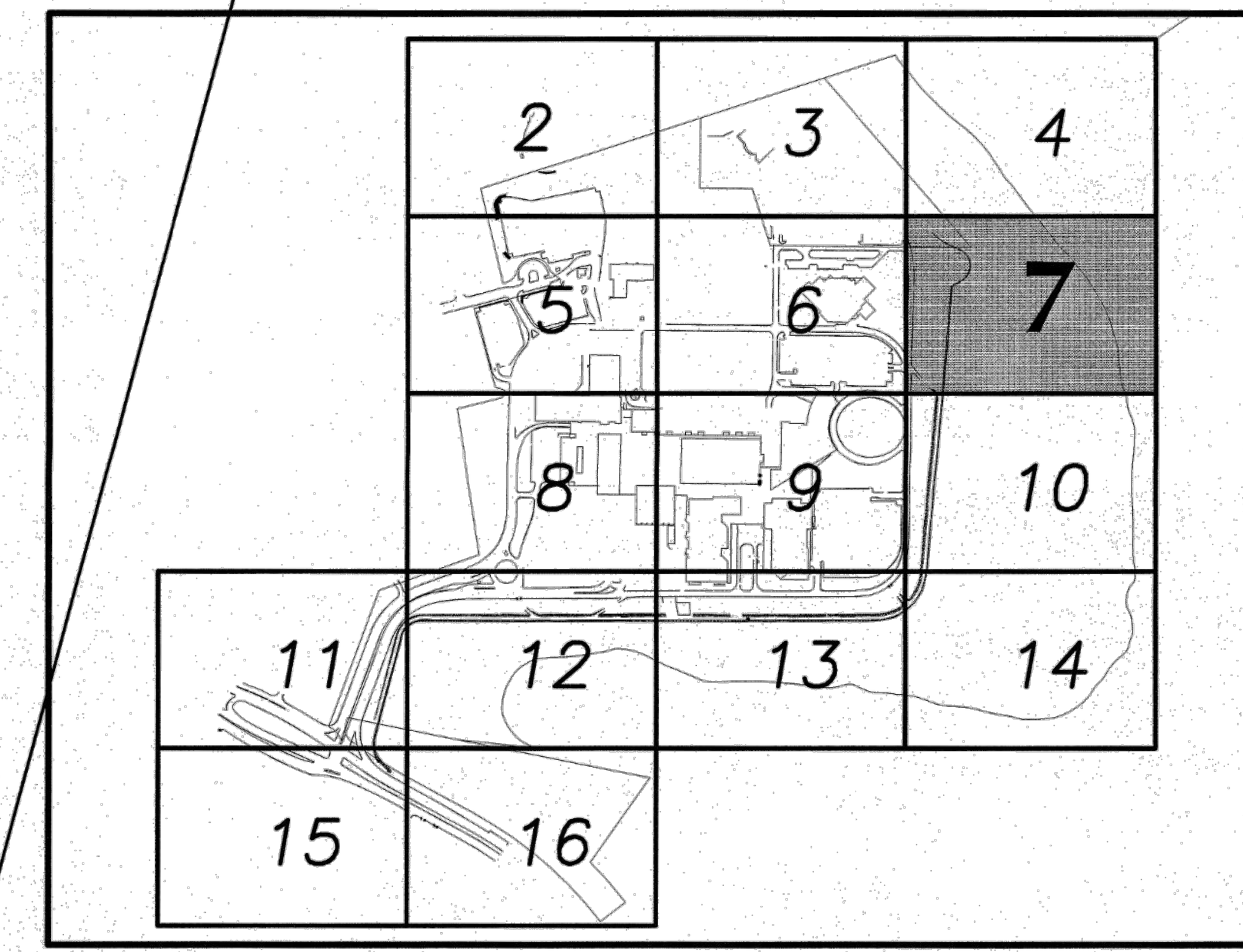

VICINITY MAP NOT TO SCALE

NOTES:

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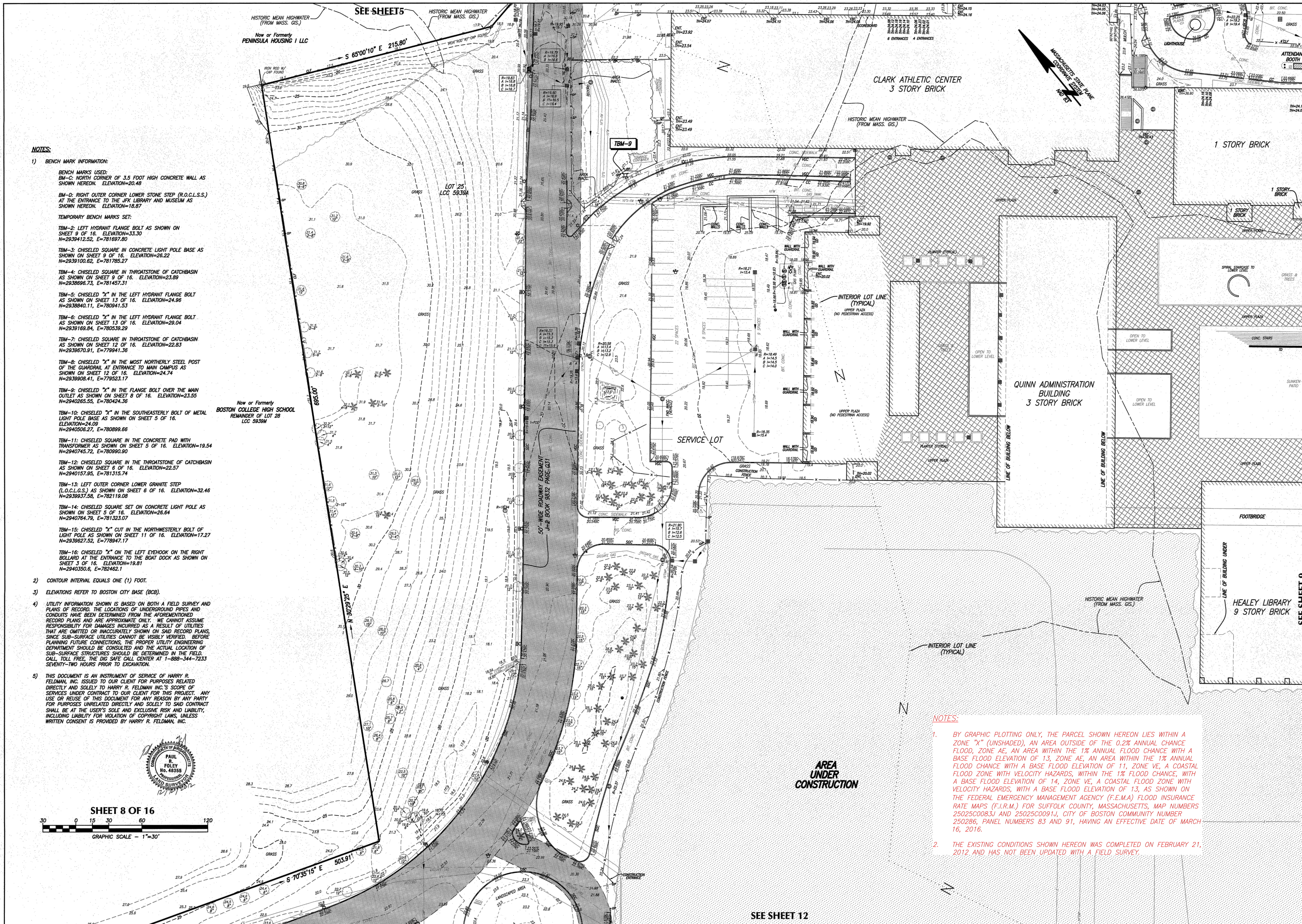
PAUL R. FOLEY No. 48355 PROFESSIONAL LAND SURVEYOR

SHEET 7 OF 16



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TBM-2: LEFT HYDRANT FLANGE BOLT AS SHOWN ON SHEET 9 OF 16. ELEVATION=33.30
N=2939412.52, E=781697.80

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N=2939100.62, E=781785.27

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N=2938696.73, E=781457.31

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TBM-9: CHISELED "X" IN THE FLANGE BOLT OVER THE MAIN OUTLET AS SHOWN ON SHEET 8 OF 16. ELEVATION=23.55
N=2940265.55, E=780424.36

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COMMONWEALTH OF MASSACHUSETTS PAUL R. FOLEY No. 48355 PROFESSIONAL LAND SURVEYOR

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SEE SHEET 6

HISTORIC MEAN HIGHWATER (FROM MASS. GIS.)

BEACONS LOT

STUDENT CENTER
5 STORY BRICK

SCIENCE CENTER
4 STORY BRICK

HEALEY LIBRARY
9 STORY BRICK

McCORMACK HALL
2-7 STORY BRICK

WHEATLEY HALL
6 STORY BRICK

AREA UNDER CONSTRUCTION

SOUTH LOT

LINE OF BUILDING BELOW

LINE OF BUILDING UNDER

OVERHANG

ROOF OVERHANG

U.S. BULKHEAD LINE

FOOTBRIDGE

FOOTBRIDGE BELOW OVERHANG

LOADING DOCKS

ATTENDANT BOOTH

BUS STOP KIOSK

SPIRAL STAIRCASE TO LOWER LEVEL

CONC. STAIRS TO SUNKEN PATIO

ZONE VE (EL=19) NAVD 88 (25.5 BCB)

FEMA ZONE BOUNDARY
ZONE "X" (UNSHADED)

ZONE AE (EL=24) NAVD 88 (30.1 BCB)

TBM-2

TBM-3

TBM-4

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MASSACHUSETTS STATE PLANE COORDINATE SYSTEM NAD 83

COMMONWEALTH OF MASSACHUSETTS
PAUL N. FOLEY
No. 48355
REGISTERED PROFESSIONAL LAND SURVEYOR

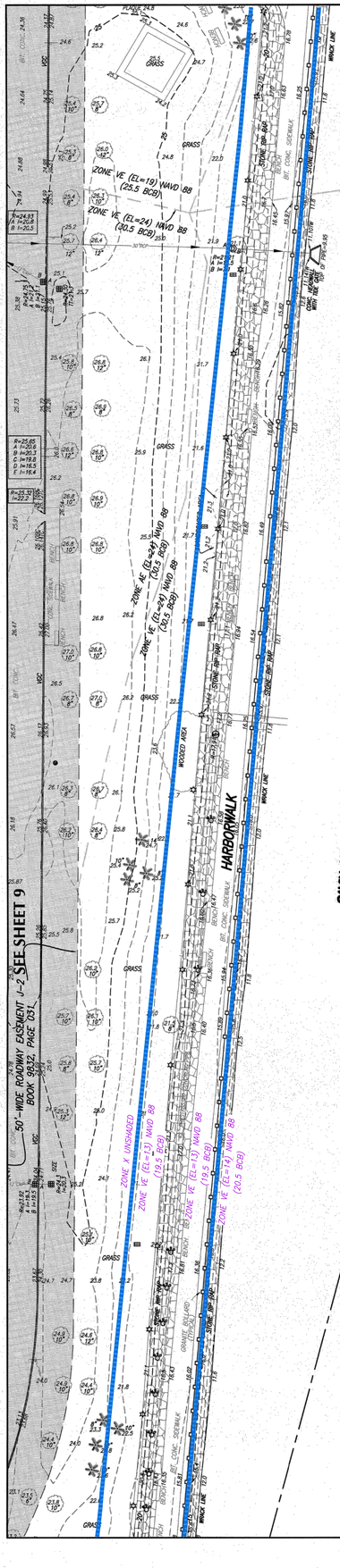
GRAPHIC SCALE – 1"=30'

SEE SHEET 8

SEE SHEET 13

SEE SHEET 10

SEE SHEET 7



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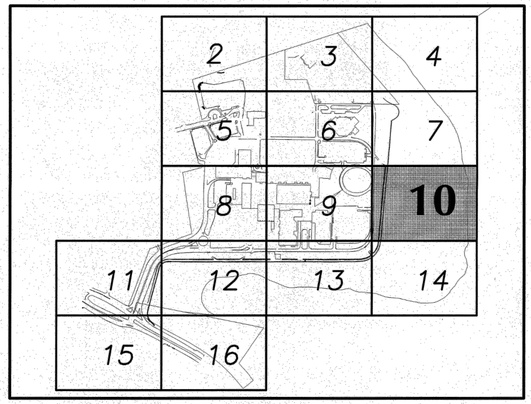

VICINITY MAP NOT TO SCALE

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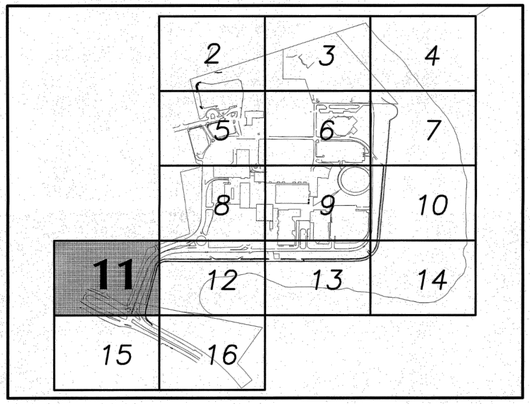
LEGEND

- WATER MANHOLE
- SEWER MANHOLE
- DRAIN MANHOLE
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- CABLE TV MANHOLE
- CABLE TV MANHOLE
- HYDRANT
- GROUND LIGHT
- POST INDICATOR VALVE
- CLEANOUT
- WATER SHUT OFF
- GAS SHUT OFF
- CATCH BASIN
- ROUND CATCH BASIN
- GUY WIRE
- TRAFFIC CONTROL BOX
- UTILITY POLE
- LIGHT POLE
- ELECTRIC HANDHOLE
- BOLLARD
- SIGN
- OBSERVATION WELL
- UTILITY POLE W/ LIGHT
- GUY WIRE
- TBM – TEMPORARY BENCH MARK
- REC – RECORD
- ENT – ENTRANCE
- VGC – VERTICAL GRANITE CURB
- SGC – SLOPED GRANITE CURB
- CC – CONCRETE CURB
- BCB – BIT. CONC. BERM
- CLF – CHAIN LINK FENCE
- RET – RETAINING
- BIT – BITUMINOUS
- CONC – CONCRETE
- WF–## – WETLAND FLAG NUMBER
- T – TOP
- B – BOTTOM
- TW – TOP OF WALL
- BW – BOTTOM OF WALL
- TC – TOP OF CURB
- BC – BOTTOM OF CURB
- R= – RIM ELEVATION
- I= – INVERT ELEVATION
- TT= – TOP OF TRAP
- TR= – CENTERLINE OF TROUGH
- BOT= – BOTTOM ELEVATION
- INACC. – INACCESSIBLE
- NVP – NO VISIBLE PIPES
- TOW – TOP OF WATER
- TOD – TOP OF DEBRIS
- CMP – CORRUGATED METAL PIPE
- PVC – POLYVINYL CHLORIDE
- CPP – CORRUGATED PLASTIC PIPE
- RCP – REINFORCED CONCRETE PIPE
- CI – CAST IRON
- FFE= – FINISHED FLOOR ELEVATION
- TH= – THRESHOLD
- M&S – MULCH AND SHRUBS
- TD – TRENCH DRAIN
- FND – FOUND
- EDGE OF WOODS
- GUARD RAIL
- X–X – METAL FENCE
- S – SEWER
- D – DRAIN
- W – WATER
- G – GAS
- E – ELECTRIC
- L – STREET LIGHTING
- T – TELEPHONE
- OHW – OVERHEAD WIRES
- HANDICAP PARKING SPACE
- WETLAND FLAG
- DECIDUOUS TREE
- CONIFEROUS TREE
- WHEELCHAIR RAMP
- STONE RIP RAP
- UPPER PLAZA

SEE SHEET 14

SHEET 10 OF 16

30 0 15 30 60 120
GRAPHIC SCALE – 1"=30'



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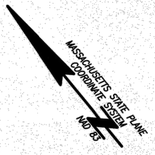

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SHEET 11 OF 16

30 0 15 30 60 120
GRAPHIC SCALE – 1"=30'

NOTES:

1. BY GRAPHIC PLOTTING ONLY, THE PARCEL SHOWN HEREON LIES WITHIN A ZONE "X" (UNSHADED), AN AREA OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOOD, ZONE AE, AN AREA WITHIN THE 1% ANNUAL FLOOD CHANCE WITH A BASE FLOOD ELEVATION OF 13, ZONE AE, AN AREA WITHIN THE 1% ANNUAL FLOOD CHANCE WITH A BASE FLOOD ELEVATION OF 11, ZONE VE, A COASTAL FLOOD ZONE WITH VELOCITY HAZARDS, WITHIN THE 1% FLOOD CHANCE, WITH A BASE FLOOD ELEVATION OF 14, ZONE VE, A COASTAL FLOOD ZONE WITH VELOCITY HAZARDS, WITH A BASE FLOOD ELEVATION OF 13, AS SHOWN ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY (F.E.M.A) FLOOD INSURANCE RATE MAPS (F.I.R.M.) FOR SUFFOLK COUNTY, MASSACHUSETTS, MAP NUMBERS 25025C0083J AND 25025C0091J, CITY OF BOSTON COMMUNITY NUMBER 250286, PANEL NUMBERS 83 AND 91, HAVING AN EFFECTIVE DATE OF MARCH 16, 2016.

2. THE EXISTING CONDITIONS SHOWN HEREON WAS COMPLETED ON FEBRUARY 21, 2012 AND HAS NOT BEEN UPDATED WITH A FIELD SURVEY.

LEGEND

- WATER MANHOLE
- SEWER MANHOLE
- DRAIN MANHOLE
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- CABLE TV MANHOLE
- CABLE TV MANHOLE
- HYDRANT
- GROUND LIGHT
- POST INDICATOR VALVE
- CLEANOUT
- WATER SHUT OFF
- GAS SHUT OFF
- CATCH BASIN
- ROUND CATCH BASIN
- GUY WIRE
- TRAFFIC CONTROL BOX
- UTILITY POLE
- LIGHT POLE
- ELECTRIC HANDHOLE
- BOLLARD
- SIGN
- OBSERVATION WELL
- UTILITY POLE W/ LIGHT
- GUY WIRE
- TBM – TEMPORARY BENCH MARK
- REC – RECORD
- ENT – ENTRANCE
- VGC – VERTICAL GRANITE CURB
- SGC – SLOPED GRANITE CURB
- CC – CONCRETE CURB
- BCB – BIT. CONC. BERM
- CLF – CHAIN LINK FENCE
- RET – RETAINING
- BIT – BITUMINOUS
- CONC – CONCRETE
- WF–## – WETLAND FLAG NUMBER
- T – TOP
- B – BOTTOM
- TW – TOP OF WALL
- BW – BOTTOM OF WALL
- TC – TOP OF CURB
- BC – BOTTOM OF CURB
- R= – RIM ELEVATION
- I= – INVERT ELEVATION
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- TR= – CENTERLINE OF TROUGH
- BOT= – BOTTOM ELEVATION
- INACC. – INACCESSIBLE
- NVP – NO VISIBLE PIPES
- TOW – TOP OF WATER
- TOD – TOP OF DEBRIS
- CMP – CORRUGATED METAL PIPE
- PVC – POLYVINYL CHLORIDE
- CPP – CORRUGATED PLASTIC PIPE
- RCP – REINFORCED CONCRETE PIPE
- CI – CAST IRON
- FFE= – FINISHED FLOOR ELEVATION
- TH= – THRESHOLD
- M&S – MULCH AND SHRUBS
- TD – TRENCH DRAIN
- FND – FOUND
- EDGE OF WOODS
- GUARD RAIL
- X X – METAL FENCE
- S – SEWER
- D – DRAIN
- W – WATER
- G – GAS
- E – ELECTRIC
- L – STREET LIGHTING
- T – TELEPHONE
- OHW – OVERHEAD WIRES
- HANDICAP PARKING SPACE
- WETLAND FLAG
- DECIDUOUS TREE
- CONIFEROUS TREE
- WHEELCHAIR RAMP
- STONE RIP RAP
- UPPER PLAZA

ZONE X UNSHADED
ZONE AE (EL=11) NAVD 88
(17.5 BCB)

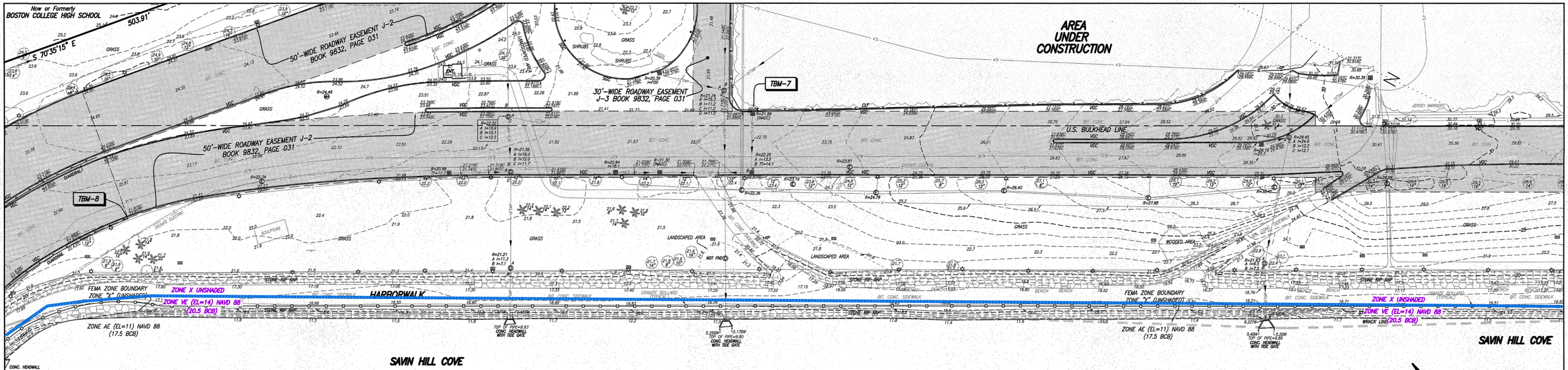
Now or Formerly
BOSTON COLLEGE HIGH SCHOOL
REMAINDER OF LOT 28
LCC 5939M

S 70°35'15" E
U.S. BULKHEAD LINE
503.91'
N 59°47'09" E 686.31'

WILLIAM T. MORRISSEY BOULEVARD
(PUBLIC – VARIABLE WIDTH)
(DEPARTMENT OF CONSERVATION AND RECREATION)

HARBORWALK
SAVIN HILL COVE
ROADWAY EASEMENT L.C.C. BOOK 9832, PAGE 151
FEMA ZONE BOUNDARY ZONE "X" (UNSHADED)
ZONE AE (EL=11) NAVD 88 (17.5 BCB)
ZONE VE (EL=14) NAVD 88 (20.5 BCB)
LOT 26
TBM–15
SEE DETAIL "C" SHEET 15 OF 16
INTERIOR LOT LINE (TYPICAL)
SAVIN HILL COVE

SEE SHEET 12
SEE SHEET 15



NOTES:

1) BENCH MARK INFORMATION:

BENCH MARKS USED:
BM-C: NORTH CORNER OF 3.5 FOOT HIGH CONCRETE WALL AS SHOWN HEREON. ELEVATION=20.48

BM-D: RIGHT OUTER CORNER LOWER STONE STEP (R.O.C.L.S.S.) AT THE ENTRANCE TO THE JFK LIBRARY AND MUSEUM AS SHOWN HEREON. ELEVATION=18.87

TEMPORARY BENCH MARKS SET:

TBM-2: LEFT HYDRANT FLANGE BOLT AS SHOWN ON SHEET 9 OF 16. ELEVATION=33.30
N=2939412.52, E=781697.80

TBM-3: CHISELED SQUARE IN CONCRETE LIGHT POLE BASE AS SHOWN ON SHEET 9 OF 16. ELEVATION=26.22
N=2939100.62, E=781785.27

TBM-4: CHISELED SQUARE IN THROATSTONE OF CATCHBASIN AS SHOWN ON SHEET 9 OF 16. ELEVATION=23.89
N=2938696.73, E=781457.31

TBM-5: CHISELED "X" IN THE LEFT HYDRANT FLANGE BOLT AS SHOWN ON SHEET 13 OF 16. ELEVATION=24.96
N=2938840.11, E=780941.53

TBM-6: CHISELED "X" IN THE LEFT HYDRANT FLANGE BOLT AS SHOWN ON SHEET 13 OF 16. ELEVATION=29.04
N=2939169.84, E=780539.29

TBM-7: CHISELED SQUARE IN THROATSTONE OF CATCHBASIN AS SHOWN ON SHEET 12 OF 16. ELEVATION=22.83
N=2939670.91, E=779941.36

TBM-8: CHISELED "X" IN THE MOST NORTHERLY STEEL POST OF THE GUARDRAIL AT ENTRANCE TO MAIN CAMPUS AS SHOWN ON SHEET 12 OF 16. ELEVATION=24.74
N=2939908.41, E=779523.17

TBM-9: CHISELED "X" IN THE FLANGE BOLT OVER THE MAIN OUTLET AS SHOWN ON SHEET 8 OF 16. ELEVATION=23.55
N=2940265.55, E=780424.36

TBM-10: CHISELED "X" IN THE SOUTHEASTERLY BOLT OF METAL LIGHT POLE BASE AS SHOWN ON SHEET 5 OF 16. ELEVATION=24.09
N=2940506.27, E=780899.66

TBM-11: CHISELED SQUARE IN THE CONCRETE PAD WITH TRANSFORMER AS SHOWN ON SHEET 5 OF 16. ELEVATION=19.54
N=2940745.72, E=780990.90

TBM-12: CHISELED SQUARE IN THE THROATSTONE OF CATCHBASIN AS SHOWN ON SHEET 6 OF 16. ELEVATION=22.57
N=2940157.95, E=781315.74

TBM-13: LEFT OUTER CORNER LOWER GRANITE STEP (L.O.C.L.G.S.) AS SHOWN ON SHEET 6 OF 16. ELEVATION=32.46
N=2939937.58, E=782119.08

TBM-14: CHISELED SQUARE SET ON CONCRETE LIGHT POLE AS SHOWN ON SHEET 5 OF 16. ELEVATION=26.64
N=2940764.79, E=781323.07

TBM-15: CHISELED "X" CUT IN THE NORTHWESTERLY BOLT OF LIGHT POLE AS SHOWN ON SHEET 11 OF 16. ELEVATION=17.27
N=2939627.52, E=778947.17

TBM-16: CHISELED "X" ON THE LEFT EYEHOOK ON THE RIGHT BOLLARD AT THE ENTRANCE TO THE BOAT DOCK AS SHOWN ON SHEET 3 OF 16. ELEVATION=19.81
N=2940350.6, E=782462.1

2) CONTOUR INTERVAL EQUALS ONE (1) FOOT.

3) ELEVATIONS REFER TO BOSTON CITY BASE (BCB).

4) UTILITY INFORMATION SHOWN IS BASED ON BOTH A FIELD SURVEY AND PLANS OF RECORD. THE LOCATIONS OF UNDERGROUND PIPES AND CONDUITS HAVE BEEN DETERMINED FROM THE AFOREMENTIONED RECORD PLANS AND ARE APPROXIMATE ONLY. WE CANNOT ASSUME RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES THAT ARE OMITTED OR INACCURATELY SHOWN ON SAID RECORD PLANS, SINCE SUB-SURFACE UTILITIES CANNOT BE VISIBLY VERIFIED. BEFORE PLANNING FUTURE CONNECTIONS, THE PROPER UTILITY ENGINEERING DEPARTMENT SHOULD BE CONSULTED AND THE ACTUAL LOCATION OF SUB-SURFACE STRUCTURES SHOULD BE DETERMINED IN THE FIELD. CALL, TOLL FREE, THE DIG SAFE CALL CENTER AT 1-888-344-7233 SEVENTY-TWO HOURS PRIOR TO EXCAVATION.

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COMMONWEALTH OF MASSACHUSETTS
PAUL R. FOLEY
No. 48355
REGISTERED PROFESSIONAL LAND SURVEYOR

LEGEND

W	WATER MANHOLE
S	SEWER MANHOLE
D	DRAIN MANHOLE
E	ELECTRIC MANHOLE
T	TELEPHONE MANHOLE
C	CABLE TV MANHOLE
CS	CABLE TV MANHOLE
HYD	HYDRANT
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GW	POST INDICATOR VALVE
GW	CLEANOUT
WV	WATER SHUT OFF
GV	GAS SHUT OFF
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	ROUND CATCH BASIN
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	DECIDUOUS TREE
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	UPPER PLAZA

INTERIOR LOT LIN (TYPICAL)

NOTES:

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MASSACHUSETTS STATE PLANE COORDINATE SYSTEM NAD 83

100 ROD LINE

S 39°31'59" E 925.80'

N 44°39'54" W 431.30'

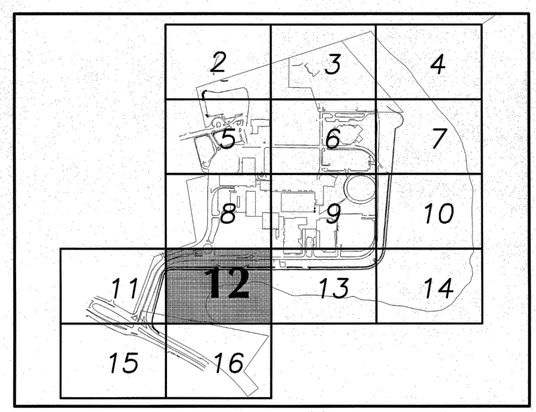
SEE SHEET 15

SEE SHEET 12

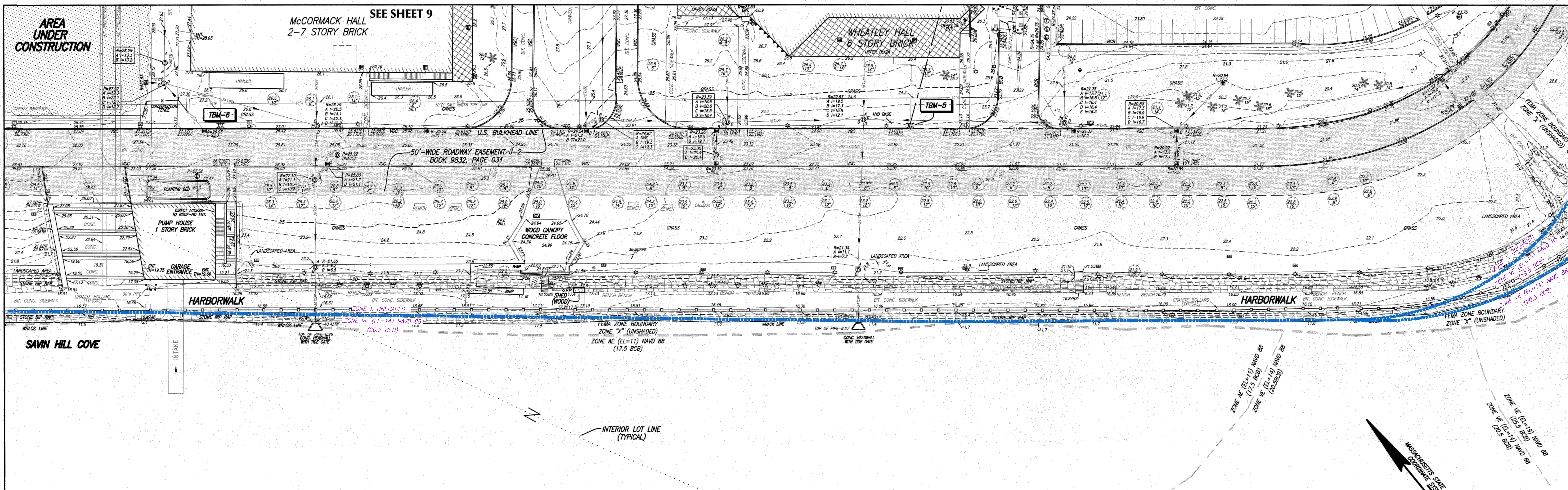
SAVIN HILL COVE

SHEET 12 OF 16

30 0 15 30 60 120
GRAPHIC SCALE – 1"=30'



VICINITY MAP NOT TO SCALE



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SHEET 13 OF 16

GRAPHIC SCALE – 1"=30'

COMMONWEALTH OF MASSACHUSETTS — PAUL R. FOLEY No. 48355 PROFESSIONAL LAND SURVEYOR

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LEGEND:

Symbol	Description	Abbreviation	Description
Ⓢ	SEWER MANHOLE	B	BOTTOM
Ⓓ	DRAIN MANHOLE	TW	TOP OF WALL
Ⓔ	ELECTRIC MANHOLE	BW	BOTTOM OF WALL
Ⓣ	TELEPHONE MANHOLE	TC	TOP OF CURB
©	CABLE TV MANHOLE	BC	BOTTOM OF CURB
	HYDRANT	R=	RIM ELEVATION
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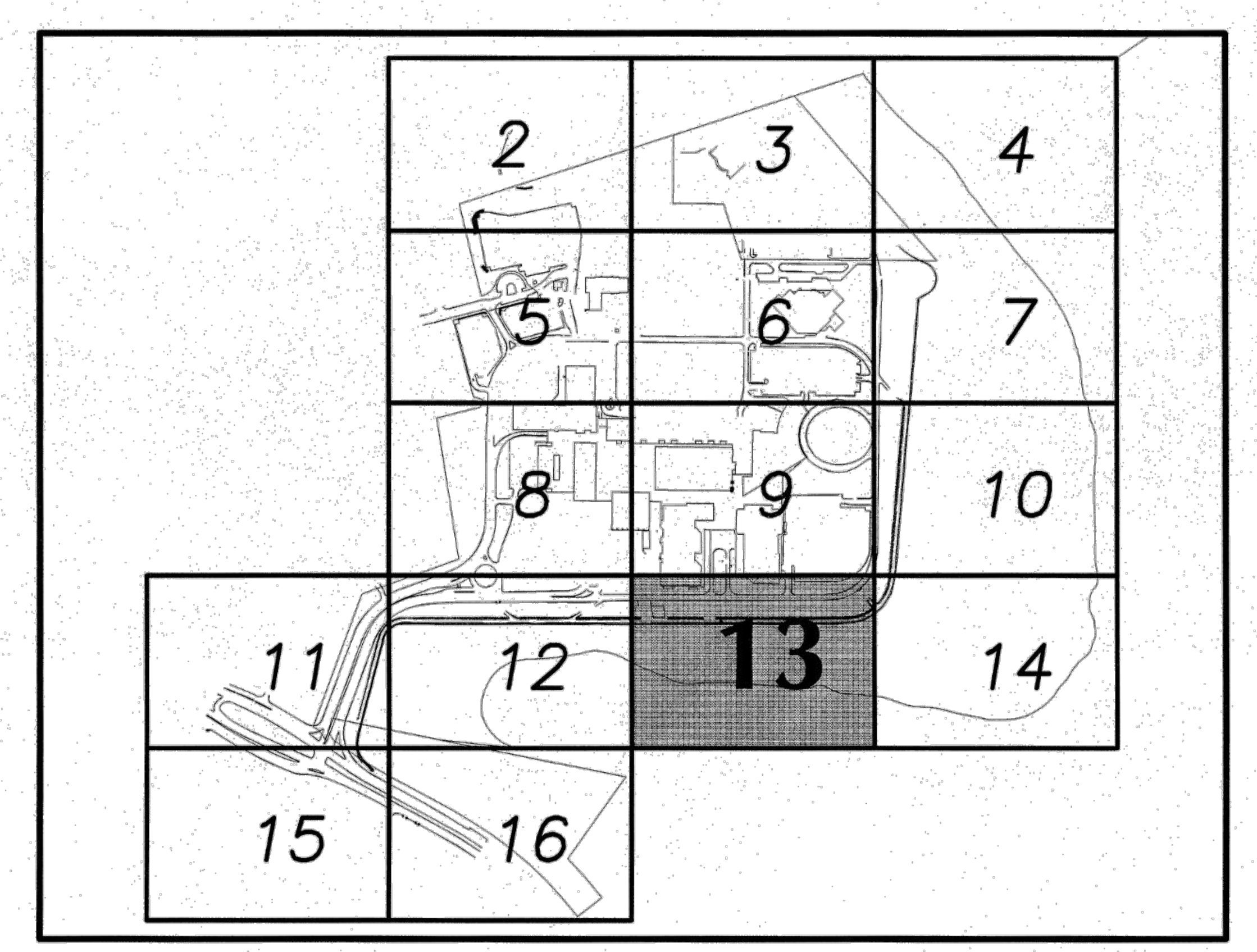
SGC	SLOPED GRANITE CURB		EDGE OF WOODS
CC	CONCRETE CURB		GUARD RAIL
BCB	BIT. CONC. BERM	—X—X—	METAL FENCE
CLF	CHAIN LINK FENCE	—S—	SEWER
RET	RETAINING	—D—	DRAIN
BIT	BITUMINOUS	—W—	WATER
CONC	CONCRETE	—G—	GAS
WF-##	WETLAND FLAG NUMBER	—E—	ELECTRIC
T	TOP	—L—	STREET LIGHTING
		—T—	TELEPHONE
		—OHW—	OVERHEAD WIRES
			HANDICAP PARKING SPACE
		▲	WETLAND FLAG
			DECIDUOUS TREE
		●	CONIFEROUS TREE

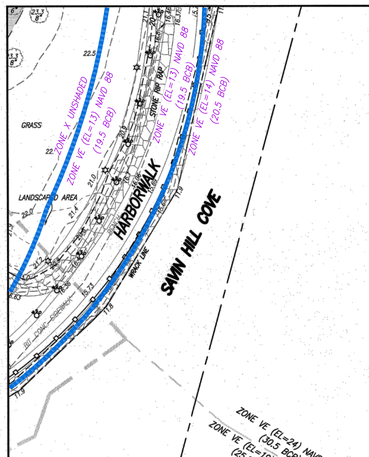
SAVIN HILL COVE



VICINITY MAP NOT TO SCALE

SEE SHEET 10

SEE SHEET 13



LEGEND

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- PVC ····· POLYVINYL CHLORIDE
- CPP ····· CORRUGATED PLASTIC PIPE
- RCP ····· REINFORCED CONCRETE PIPE
- CI ····· CAST IRON
- FFE= ····· FINISHED FLOOR ELEVATION
- TH= ····· THRESHOLD
- M&S ····· MULCH AND SHRUBS
- TD ····· TRENCH DRAIN
- FND ····· FOUND
- ~~~~ EDGE OF WOODS
- GUARD RAIL
- -X-X- METAL FENCE
- -S- SEWER
- -D- DRAIN
- -W- WATER
- -G- GAS
- -E- ELECTRIC
- -L- STREET LIGHTING
- -T- TELEPHONE
- -OHW- OVERHEAD WIRES
- HANDICAP PARKING SPACE
- WETLAND FLAG
- DECIDUOUS TREE
- CONIFEROUS TREE
- WHEELCHAIR RAMP
- STONE RIP RAP
- UPPER PLAZA

STATE HARBOR LINE

LOW WATER LINE

DORCHESTER BAY

NOTES:

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BM–D: RIGHT OUTER CORNER LOWER STONE STEP (R.O.C.L.S.S.) AT THE ENTRANCE TO THE JFK LIBRARY AND MUSEUM AS SHOWN HEREON. ELEVATION=18.87

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N=2939412.52, E=781697.80

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N=2939100.62, E=781785.27

TBM–4: CHISELED SQUARE IN THROATSTONE OF CATCHBASIN AS SHOWN ON SHEET 9 OF 16. ELEVATION=23.89
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N=2939908.41, E=779523.17

TBM–9: CHISELED "X" IN THE FLANGE BOLT OVER THE MAIN OUTLET AS SHOWN ON SHEET 8 OF 16. ELEVATION=23.55
N=2940285.55, E=780424.36

TBM–10: CHISELED "X" IN THE SOUTHEASTERLY BOLT OF METAL LIGHT POLE BASE AS SHOWN ON SHEET 5 OF 16. ELEVATION=24.09
N=2940506.27, E=780899.66

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N=2940350.6, E=782462.1

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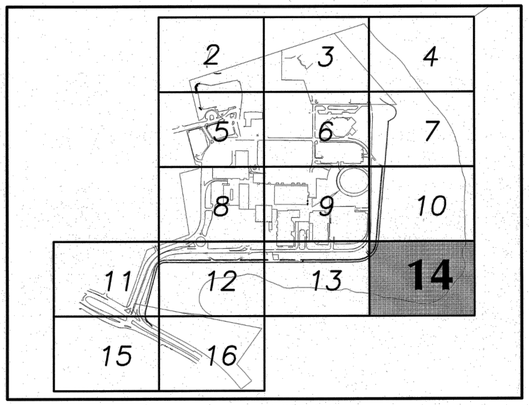


VICINITY MAP NOT TO SCALE

NOTES:

1. BY GRAPHIC PLOTTING ONLY, THE PARCEL SHOWN HEREON LIES WITHIN A ZONE "X" (UNSHADED), AN AREA OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOOD, ZONE AE, AN AREA WITHIN THE 1% ANNUAL FLOOD CHANCE WITH A BASE FLOOD ELEVATION OF 13, ZONE AE, AN AREA WITHIN THE 1% ANNUAL FLOOD CHANCE WITH A BASE FLOOD ELEVATION OF 11, ZONE VE, A COASTAL FLOOD ZONE WITH VELOCITY HAZARDS, WITHIN THE 1% FLOOD CHANCE, WITH A BASE FLOOD ELEVATION OF 14, ZONE VE, A COASTAL FLOOD ZONE WITH VELOCITY HAZARDS, WITH A BASE FLOOD ELEVATION OF 13, AS SHOWN ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY (F.E.M.A) FLOOD INSURANCE RATE MAPS (F.I.R.M.) FOR SUFFOLK COUNTY, MASSACHUSETTS, MAP NUMBERS 25025C0083J AND 25025C0091J, CITY OF BOSTON COMMUNITY NUMBER 250286, PANEL NUMBERS 83 AND 91, HAVING AN EFFECTIVE DATE OF MARCH 16, 2016.
2. THE EXISTING CONDITIONS SHOWN HEREON WAS COMPLETED ON FEBRUARY 21, 2012 AND HAS NOT BEEN UPDATED WITH A FIELD SURVEY.

MASSACHUSETTS STATE PLANE COORDINATE SYSTEM NAD 83

100 ROD LINE

DORCHESTER BAY

LOW WATER LINE

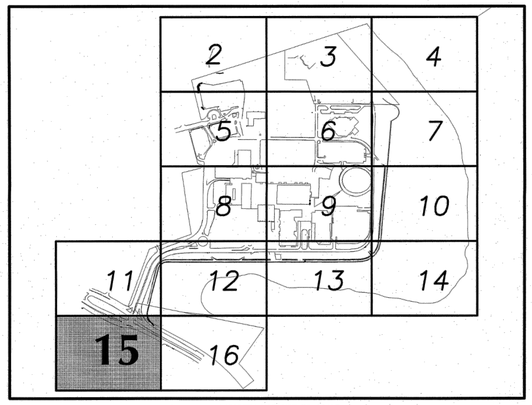
PAUL R. FOLEY No. 48355 REGISTERED PROFESSIONAL LAND SURVEYOR COMMONWEALTH OF MASSACHUSETTS
10/22/2021

SHEET14 OF 16

30 0 15 30 60 120

GRAPHIC SCALE – 1"=30'

SEE SHEET 11



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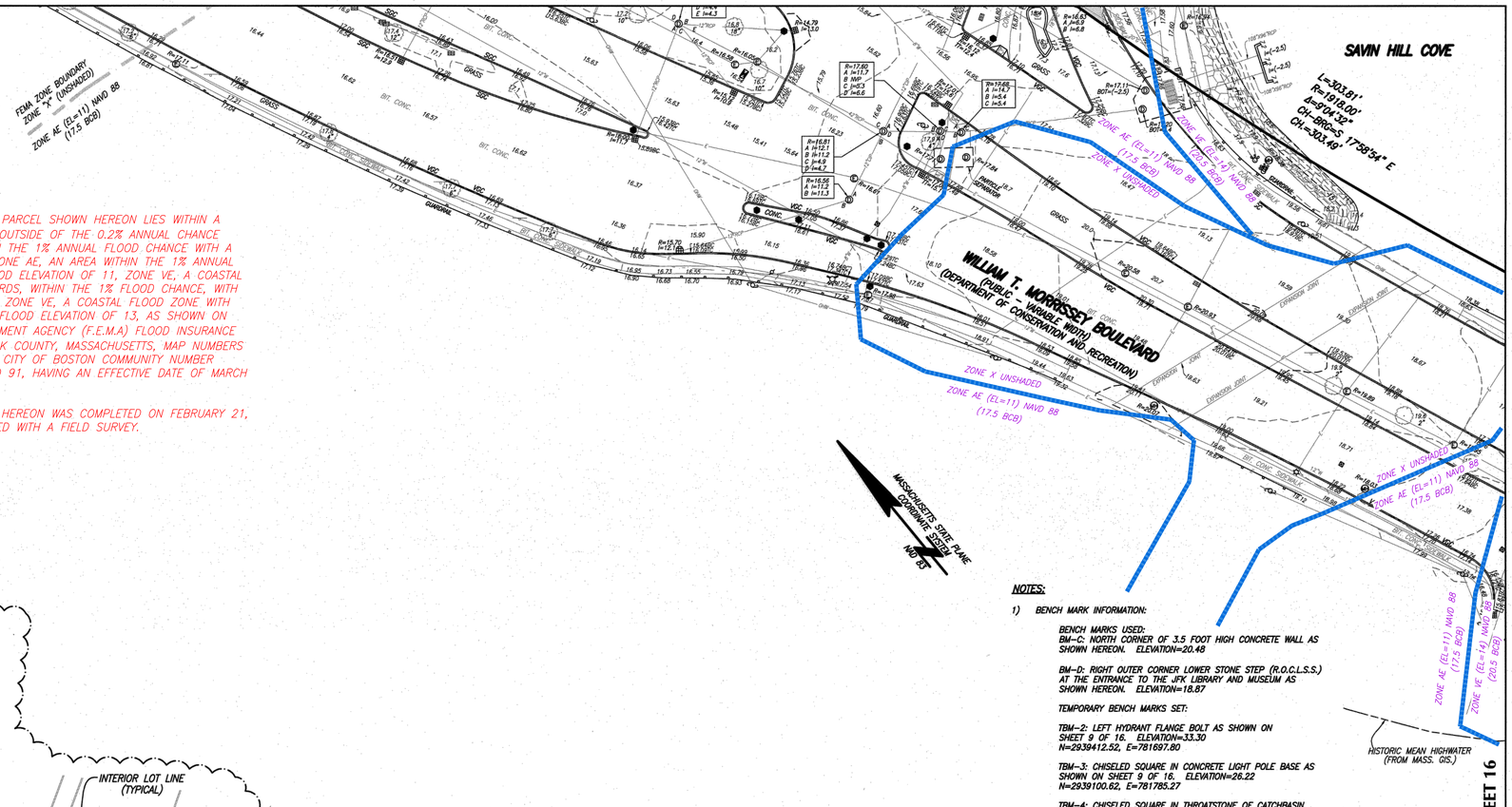

LEGEND

- WATER MANHOLE
- SEWER MANHOLE
- DRAIN MANHOLE
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- CABLE TV MANHOLE
- CABLE TV MANHOLE
- HYDRANT
- GROUND LIGHT
- POST INDICATOR VALVE
- CLEANOUT
- WATER SHUT OFF
- GAS SHUT OFF
- CATCH BASIN
- ROUND CATCH BASIN
- GUY WIRE
- TRAFFIC CONTROL BOX
- UTILITY POLE
- LIGHT POLE
- ELECTRIC HANDHOLE
- BOLLARD
- SIGN
- OBSERVATION WELL
- UTILITY POLE W/ LIGHT
- GUY WIRE
- TBM · TEMPORARY BENCH MARK
- REC · RECORD
- ENT · ENTRANCE
- VGC · VERTICAL GRANITE CURB
- SGC · SLOPED GRANITE CURB
- CC · CONCRETE CURB
- BCB · BIT. CONC. BERM
- CLF · CHAIN LINK FENCE
- RET · RETAINING
- BIT · BITUMINOUS
- CONC · CONCRETE
- WF-## · WETLAND FLAG NUMBER
- T · TOP
- B · BOTTOM
- TW · TOP OF WALL
- BW · BOTTOM OF WALL
- TC · TOP OF CURB
- BC · BOTTOM OF CURB
- R= · RIM ELEVATION
- I= · INVERT ELEVATION
- TT= · TOP OF TRAP
- TR= · CENTERLINE OF TROUGH
- BOT= · BOTTOM ELEVATION
- INACC. · INACCESSIBLE
- NVP · NO VISIBLE PIPES
- TOW · TOP OF WATER
- TOD · TOP OF DEBRIS
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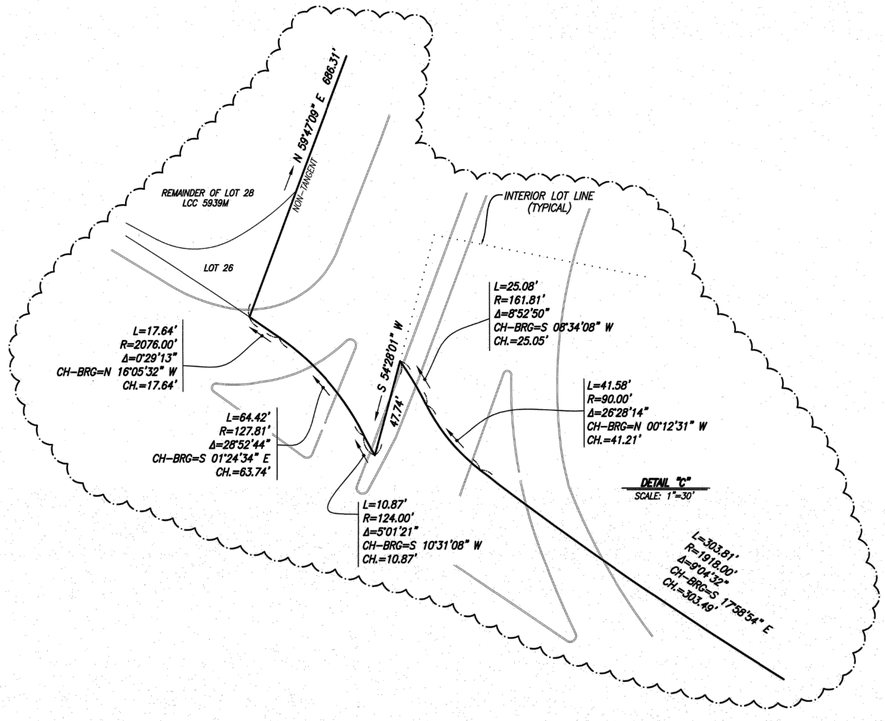

DETAIL "C"
SCALE: 1"=30'

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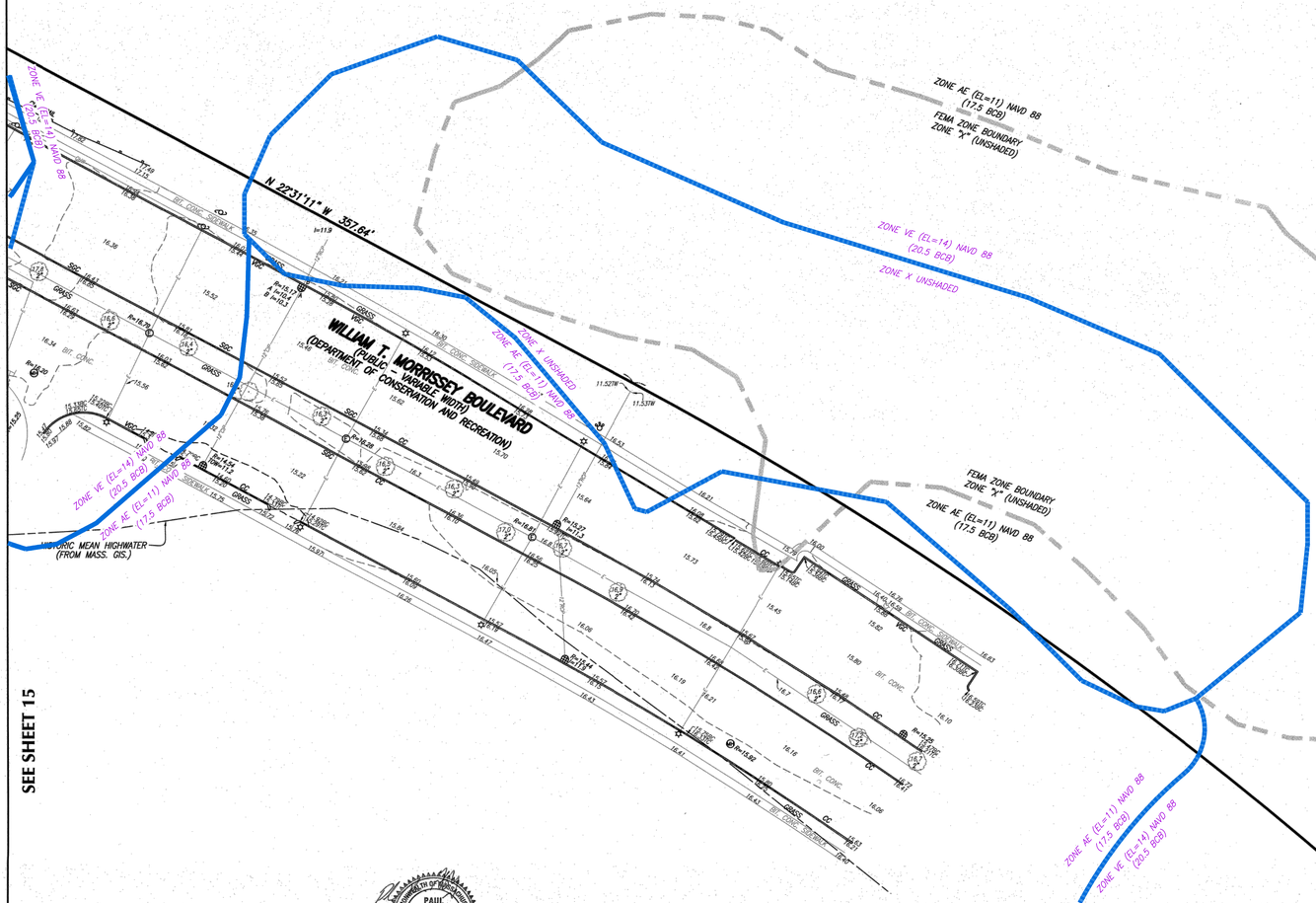
SEE SHEET 16

30 0 15 30 60 120
GRAPHIC SCALE - 1"=30'

SEE SHEET 12

SEE SHEET 15



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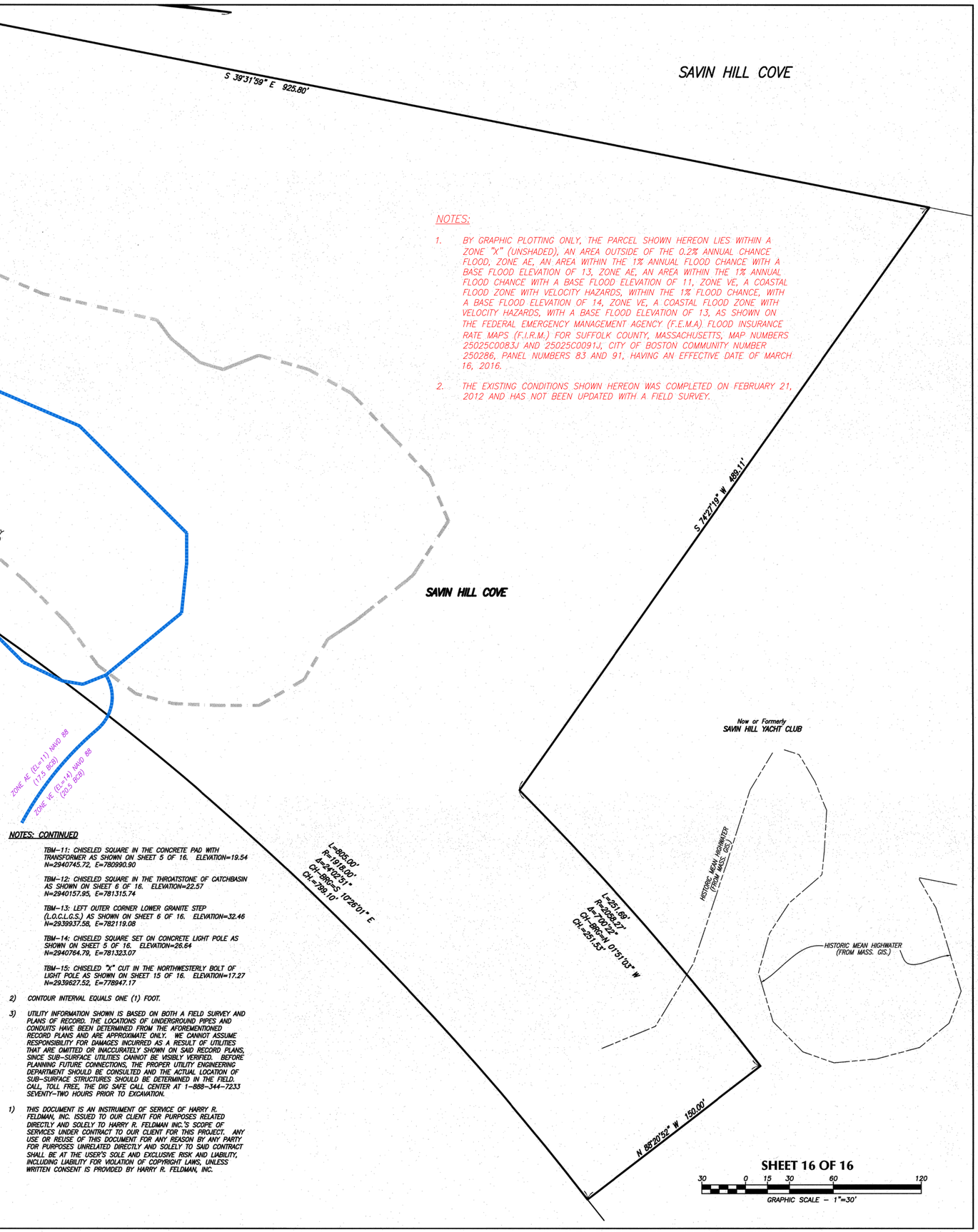


SHEET 16 OF 16

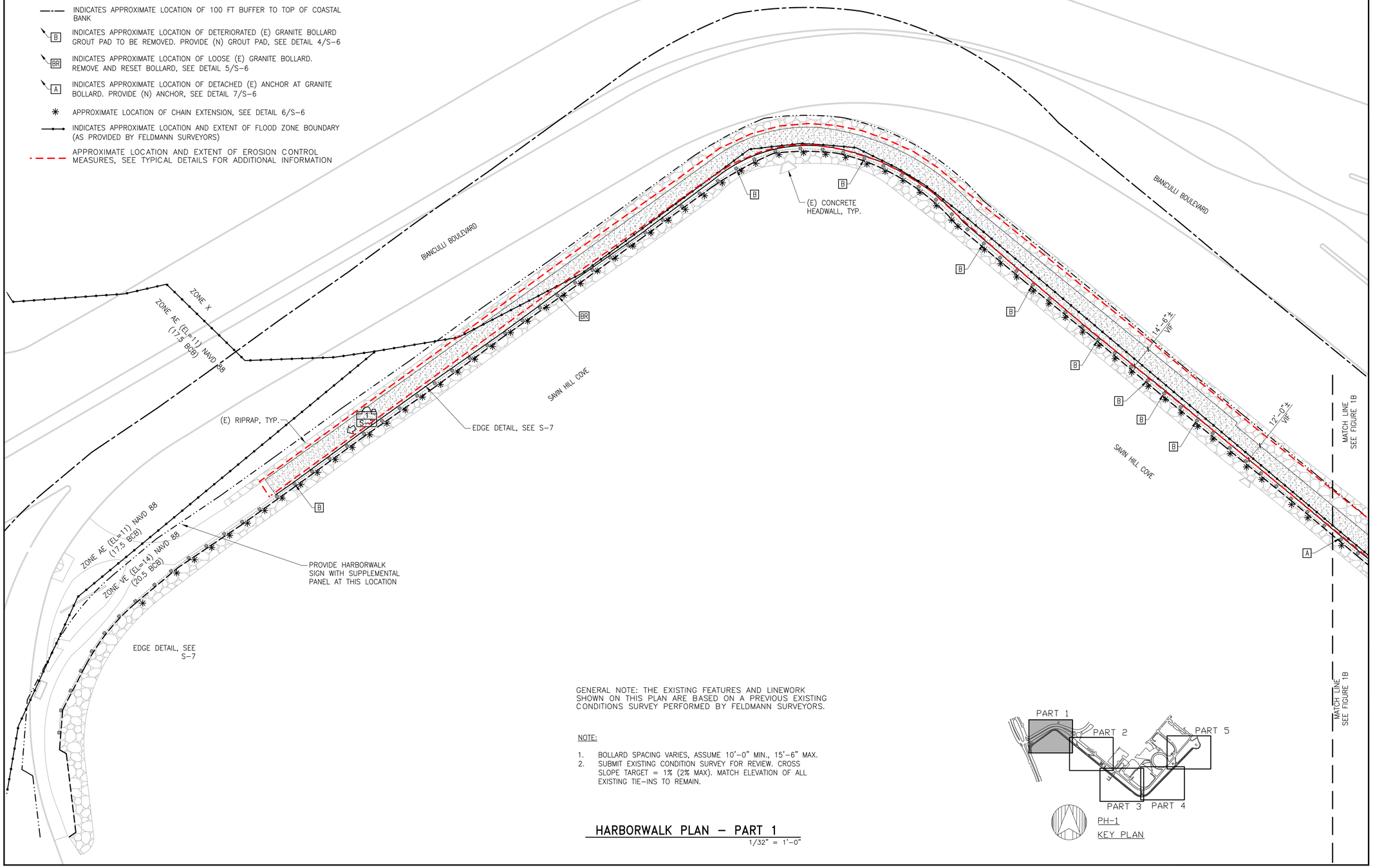
30 0 15 30 60 120

GRAPHIC SCALE – 1"=30'

LEGEND:

- (E) GRANITE BOLLARD
- (E) CHAIN
- INDICATES APPROXIMATE EXTENT AND LOCATION OF (E) PAVING TO BE REMOVED. PROVIDE (N) ASPHALT PAVING SYSTEM, SEE DETAIL 1/S-6
- INDICATES APPROXIMATE EXTENT OF EDGE DETAIL, SEE SECTION 8/S-6 FOR OPTIONS
- INDICATES APPROXIMATE LOCATION OF TOP OF COASTAL BANK
- INDICATES APPROXIMATE LOCATION OF LOCALLY JURISDICTIONAL WATERFRONT AREA (25 FT FROM TOP OF COASTAL BANK)
- INDICATES APPROXIMATE LOCATION OF 100 FT BUFFER TO TOP OF COASTAL BANK
- B — INDICATES APPROXIMATE LOCATION OF DETERIORATED (E) GRANITE BOLLARD GROUT PAD TO BE REMOVED. PROVIDE (N) GROUT PAD, SEE DETAIL 4/S-6
- BR — INDICATES APPROXIMATE LOCATION OF LOOSE (E) GRANITE BOLLARD. REMOVE AND RESET BOLLARD, SEE DETAIL 5/S-6
- A — INDICATES APPROXIMATE LOCATION OF DETACHED (E) ANCHOR AT GRANITE BOLLARD. PROVIDE (N) ANCHOR, SEE DETAIL 7/S-6
- APPROXIMATE LOCATION OF CHAIN EXTENSION, SEE DETAIL 6/S-6
- INDICATES APPROXIMATE LOCATION AND EXTENT OF FLOOD ZONE BOUNDARY (AS PROVIDED BY FELDMANN SURVEYORS)
- APPROXIMATE LOCATION AND EXTENT OF EROSION CONTROL MEASURES, SEE TYPICAL DETAILS FOR ADDITIONAL INFORMATION

FOR COORDINATION ONLY – THIS FIGURE SHOWS THE OVERLAY OF THE PROPOSED WORK ALONG THE HARBORWALK AND THE APPROXIMATE FLOODPLAIN LOCATIONS AS PROVIDED BY FELDMANN SURVEYORS ON THE ATTACHED STAMPED SURVEY DRAWINGS



GENERAL NOTE: THE EXISTING FEATURES AND LINEWORK SHOWN ON THIS PLAN ARE BASED ON A PREVIOUS EXISTING CONDITIONS SURVEY PERFORMED BY FELDMANN SURVEYORS.

NOTE:

1. BOLLARD SPACING VARIES, ASSUME 10'-0" MIN., 15'-6" MAX.
2. SUBMIT EXISTING CONDITION SURVEY FOR REVIEW. CROSS SLOPE TARGET = 1% (2% MAX). MATCH ELEVATION OF ALL EXISTING TIE-INS TO REMAIN.

HARBORWALK PLAN – PART 1

1/32" = 1'-0"

PH-1
KEY PLAN

SIMPSON GUMPERTZ & HEGER

Engineering of Structures and Building Enclosures

Simpson Gumpertz & Heger Inc.
480 Totten Pond Road
Waltham, Massachusetts 02451
main: 781.907.9000 fax: 781.907.9009
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No.	Date	Description	By

UMB HARBORWALK REPAIRS AND NEW FOX POINT PEDESTRIAN RAMP

UMASS BOSTON
BOSTON HARBOR CAMPUS
100 Morrissey Boulevard
Project **Boston, MA 02125**

FLOODPLAIN COORDINATION FIGURE PART 1

Drawing Title

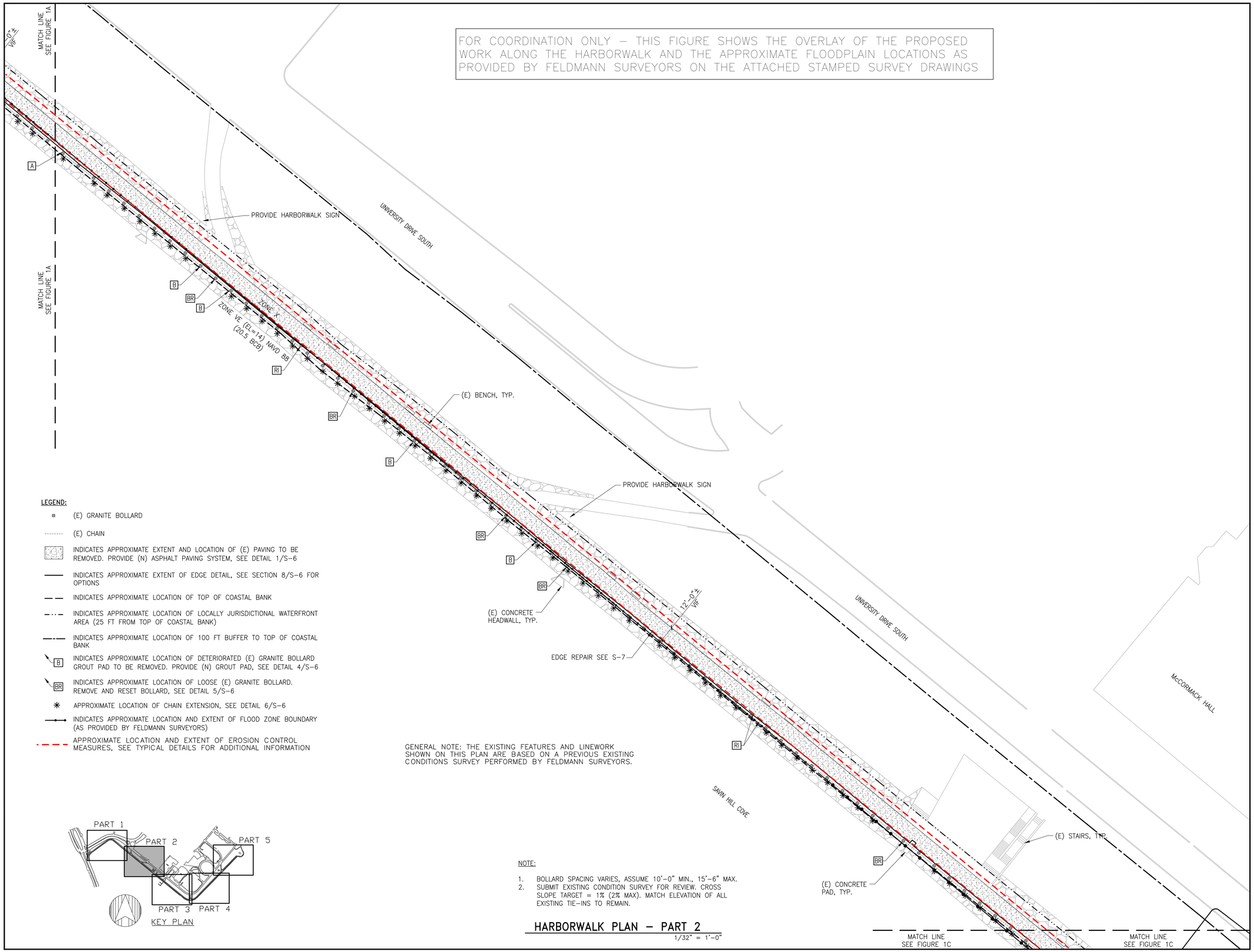
Project No.	Checked	Date
190360.11	NDB	3/02/2022
Drawn: JDS	Approved: JMP	Scale: AS SHOWN

Drawing No.

FIG. 1A

Seal

FOR COORDINATION ONLY – THIS FIGURE SHOWS THE OVERLAY OF THE PROPOSED WORK ALONG THE HARBORWALK AND THE APPROXIMATE FLOODPLAIN LOCATIONS AS PROVIDED BY FELDMANN SURVEYORS ON THE ATTACHED STAMPED SURVEY DRAWINGS



LEGEND:

- (E) GRANITE BOLLARD
- (E) CHAIN
- INDICATES APPROXIMATE EXTENT AND LOCATION OF (E) PAVING TO BE REMOVED. PROVIDE (N) ASPHALT PAVING SYSTEM, SEE DETAIL 1/S-6
- INDICATES APPROXIMATE EXTENT OF EDGE DETAIL, SEE SECTION 8/S-6 FOR OPTIONS
- INDICATES APPROXIMATE LOCATION OF TOP OF COASTAL BANK
- INDICATES APPROXIMATE LOCATION OF LOCALLY JURISDICTIONAL WATERFRONT AREA (25 FT FROM TOP OF COASTAL BANK)
- INDICATES APPROXIMATE LOCATION OF 100 FT BUFFER TO TOP OF COASTAL BANK
- B — INDICATES APPROXIMATE LOCATION OF DETERIORATED (E) GRANITE BOLLARD GROUT PAD TO BE REMOVED. PROVIDE (N) GROUT PAD, SEE DETAIL 4/S-6
- BR — INDICATES APPROXIMATE LOCATION OF LOOSE (E) GRANITE BOLLARD. REMOVE AND RESET BOLLARD, SEE DETAIL 5/S-6
- APPROXIMATE LOCATION OF CHAIN EXTENSION, SEE DETAIL 6/S-6
- INDICATES APPROXIMATE LOCATION AND EXTENT OF FLOOD ZONE BOUNDARY (AS PROVIDED BY FELDMANN SURVEYORS)
- APPROXIMATE LOCATION AND EXTENT OF EROSION CONTROL MEASURES, SEE TYPICAL DETAILS FOR ADDITIONAL INFORMATION

KEY PLAN

GENERAL NOTE: THE EXISTING FEATURES AND LINEWORK SHOWN ON THIS PLAN ARE BASED ON A PREVIOUS EXISTING CONDITIONS SURVEY PERFORMED BY FELDMANN SURVEYORS.

NOTE:

1. BOLLARD SPACING VARIES, ASSUME 10'-0" MIN., 15'-6" MAX.
2. SUBMIT EXISTING CONDITION SURVEY FOR REVIEW. CROSS SLOPE TARGET = 1% (2% MAX). MATCH ELEVATION OF ALL EXISTING TIE-INS TO REMAIN.

HARBORWALK PLAN – PART 2

1/32" = 1'-0"

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UMASS BOSTON
BOSTON HARBOR CAMPUS
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Project **Boston, MA 02125**

FLOODPLAIN COORDINATION FIGURE PART 2

Drawing Title

Project No.	Checked	Date
190360.11	NDB	3/02/2022
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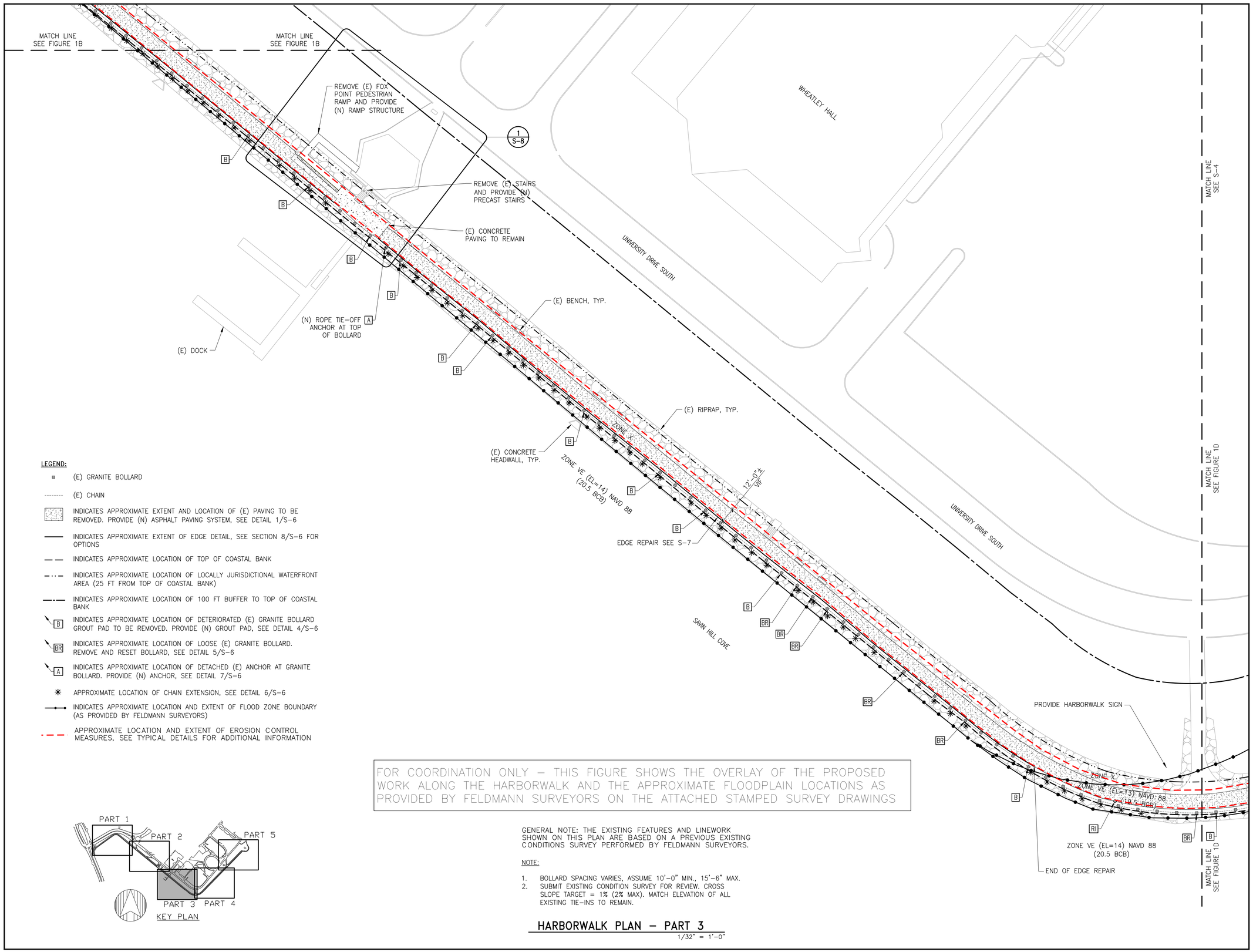
JDS	JMP	AS SHOWN

Drawing No.

FIG. 1B

Seal



LEGEND:

- (E) GRANITE BOLLARD
- (E) CHAIN
- INDICATES APPROXIMATE EXTENT AND LOCATION OF (E) PAVING TO BE REMOVED. PROVIDE (N) ASPHALT PAVING SYSTEM, SEE DETAIL 1/S-6
- INDICATES APPROXIMATE EXTENT OF EDGE DETAIL, SEE SECTION 8/S-6 FOR OPTIONS
- INDICATES APPROXIMATE LOCATION OF TOP OF COASTAL BANK
- INDICATES APPROXIMATE LOCATION OF LOCALLY JURISDICTIONAL WATERFRONT AREA (25 FT FROM TOP OF COASTAL BANK)
- INDICATES APPROXIMATE LOCATION OF 100 FT BUFFER TO TOP OF COASTAL BANK
- B — INDICATES APPROXIMATE LOCATION OF DETERIORATED (E) GRANITE BOLLARD GROUT PAD TO BE REMOVED. PROVIDE (N) GROUT PAD, SEE DETAIL 4/S-6
- BR — INDICATES APPROXIMATE LOCATION OF LOOSE (E) GRANITE BOLLARD. REMOVE AND RESET BOLLARD, SEE DETAIL 5/S-6
- A — INDICATES APPROXIMATE LOCATION OF DETACHED (E) ANCHOR AT GRANITE BOLLARD. PROVIDE (N) ANCHOR, SEE DETAIL 7/S-6
- APPROXIMATE LOCATION OF CHAIN EXTENSION, SEE DETAIL 6/S-6
- INDICATES APPROXIMATE LOCATION AND EXTENT OF FLOOD ZONE BOUNDARY (AS PROVIDED BY FELDMANN SURVEYORS)
- APPROXIMATE LOCATION AND EXTENT OF EROSION CONTROL MEASURES, SEE TYPICAL DETAILS FOR ADDITIONAL INFORMATION

KEY PLAN

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GENERAL NOTE: THE EXISTING FEATURES AND LINEWORK SHOWN ON THIS PLAN ARE BASED ON A PREVIOUS EXISTING CONDITIONS SURVEY PERFORMED BY FELDMANN SURVEYORS.

NOTE:

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2. SUBMIT EXISTING CONDITION SURVEY FOR REVIEW. CROSS SLOPE TARGET = 1% (2% MAX). MATCH ELEVATION OF ALL EXISTING TIE-INS TO REMAIN.

HARBORWALK PLAN – PART 3

1/32" = 1'-0"

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FLOODPLAIN COORDINATION FIGURE PART 3
Drawing Title

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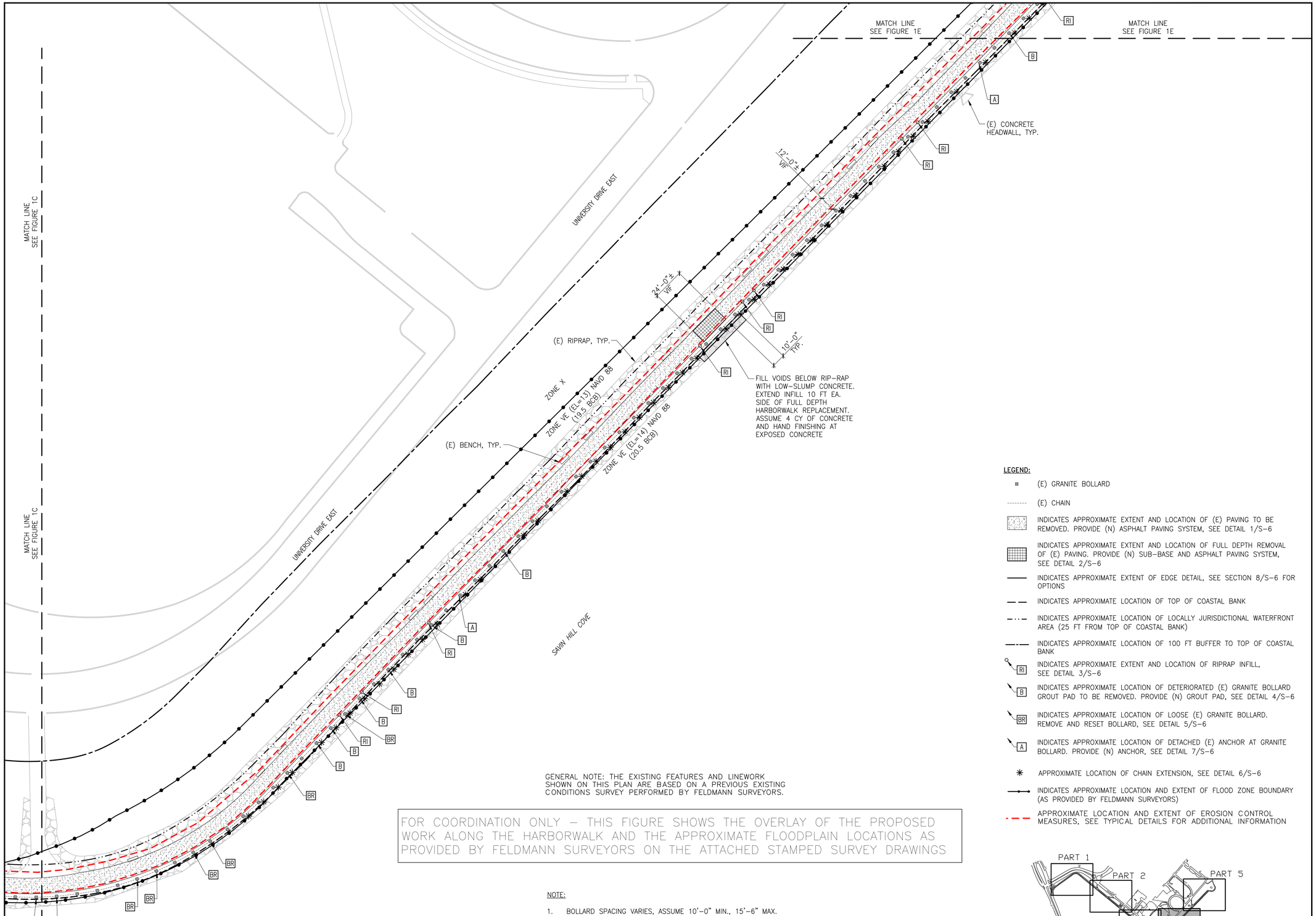
Drawing No.

FIG. 1C

Seal



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NOTE:

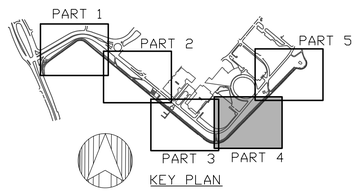
1. BOLLARD SPACING VARIES, ASSUME 10'-0" MIN., 15'-6" MAX.
2. SUBMIT EXISTING CONDITION SURVEY FOR REVIEW. CROSS SLOPE TARGET = 1% (2% MAX). MATCH ELEVATION OF ALL EXISTING TIE-INS TO REMAIN.

HARBORWALK PLAN – PART 4

1/32" = 1'-0"

LEGEND:

- (E) GRANITE BOLLARD
- (E) CHAIN
- INDICATES APPROXIMATE EXTENT AND LOCATION OF (E) PAVING TO BE REMOVED. PROVIDE (N) ASPHALT PAVING SYSTEM, SEE DETAIL 1/S-6
- INDICATES APPROXIMATE EXTENT AND LOCATION OF FULL DEPTH REMOVAL OF (E) PAVING. PROVIDE (N) SUB-BASE AND ASPHALT PAVING SYSTEM, SEE DETAIL 2/S-6
- INDICATES APPROXIMATE EXTENT OF EDGE DETAIL, SEE SECTION 8/S-6 FOR OPTIONS
- INDICATES APPROXIMATE LOCATION OF TOP OF COASTAL BANK
- INDICATES APPROXIMATE LOCATION OF LOCALLY JURISDICTIONAL WATERFRONT AREA (25 FT FROM TOP OF COASTAL BANK)
- INDICATES APPROXIMATE LOCATION OF 100 FT BUFFER TO TOP OF COASTAL BANK
- RI INDICATES APPROXIMATE EXTENT AND LOCATION OF RIPRAP INFILL, SEE DETAIL 3/S-6
- B INDICATES APPROXIMATE LOCATION OF DETERIORATED (E) GRANITE BOLLARD GROUT PAD TO BE REMOVED. PROVIDE (N) GROUT PAD, SEE DETAIL 4/S-6
- BR INDICATES APPROXIMATE LOCATION OF LOOSE (E) GRANITE BOLLARD. REMOVE AND RESET BOLLARD, SEE DETAIL 5/S-6
- A INDICATES APPROXIMATE LOCATION OF DETACHED (E) ANCHOR AT GRANITE BOLLARD. PROVIDE (N) ANCHOR, SEE DETAIL 7/S-6
- APPROXIMATE LOCATION OF CHAIN EXTENSION, SEE DETAIL 6/S-6
- INDICATES APPROXIMATE LOCATION AND EXTENT OF FLOOD ZONE BOUNDARY (AS PROVIDED BY FELDMANN SURVEYORS)
- APPROXIMATE LOCATION AND EXTENT OF EROSION CONTROL MEASURES, SEE TYPICAL DETAILS FOR ADDITIONAL INFORMATION



KEY PLAN

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FLOODPLAIN COORDINATION FIGURE PART 4
Drawing Title

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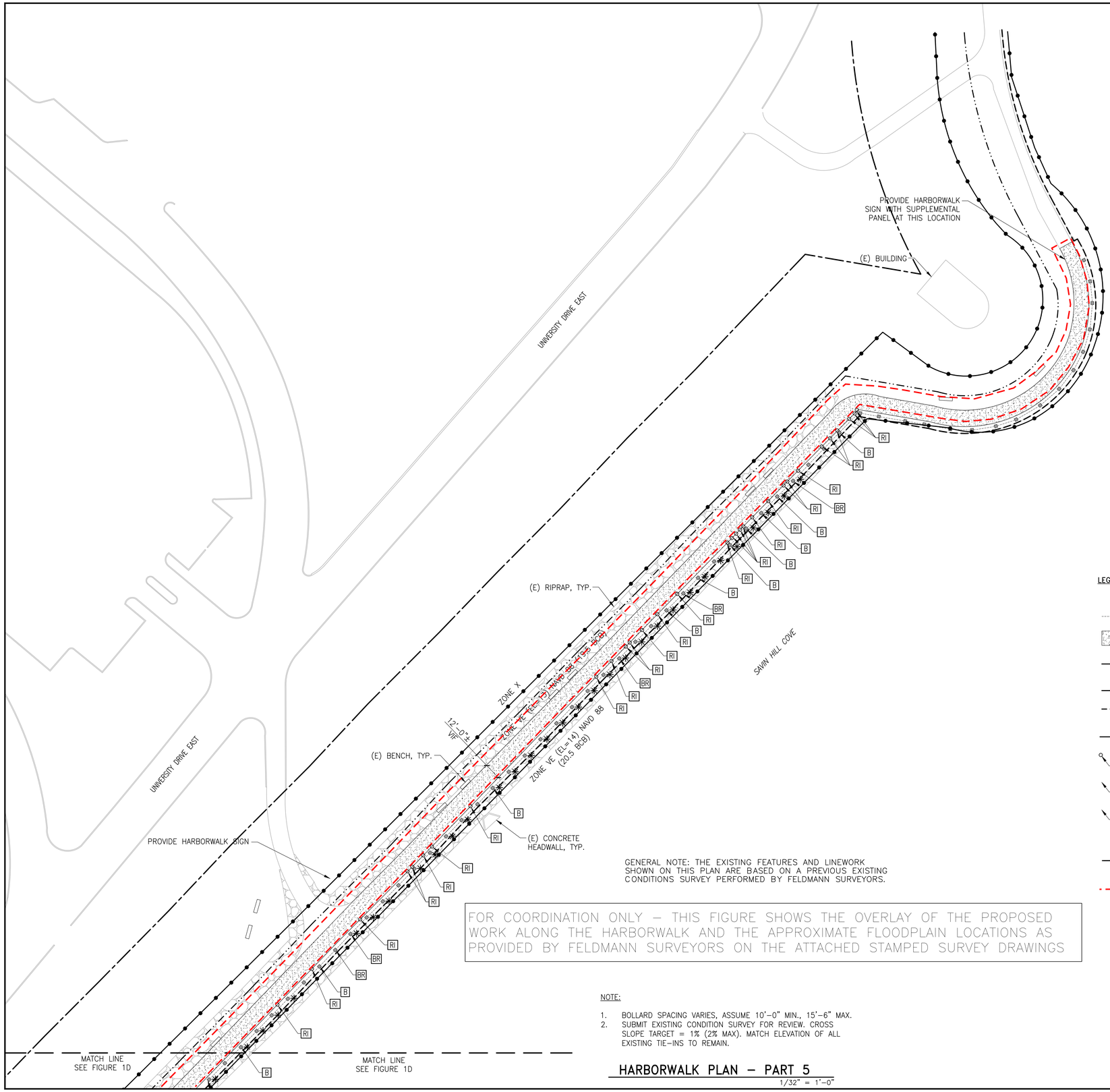
Seal

Drawing No.

FIG. 1D



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NOTE:

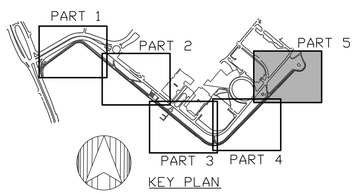
1. BOLLARD SPACING VARIES, ASSUME 10'–0" MIN., 15'–6" MAX.
2. SUBMIT EXISTING CONDITION SURVEY FOR REVIEW. CROSS SLOPE TARGET = 1% (2% MAX). MATCH ELEVATION OF ALL EXISTING TIE–INS TO REMAIN.

HARBORWALK PLAN – PART 5

1/32" = 1'–0"

LEGEND:

- (E) GRANITE BOLLARD
- (E) CHAIN
- INDICATES APPROXIMATE EXTENT AND LOCATION OF (E) PAVING TO BE REMOVED. PROVIDE (N) ASPHALT PAVING SYSTEM, SEE DETAIL 1/S–6
- INDICATES APPROXIMATE EXTENT OF EDGE DETAIL, SEE SECTION 8/S–6 FOR OPTIONS
- INDICATES APPROXIMATE LOCATION OF TOP OF COASTAL BANK
- INDICATES APPROXIMATE LOCATION OF LOCALLY JURISDICTIONAL WATERFRONT AREA (25 FT FROM TOP OF COASTAL BANK)
- INDICATES APPROXIMATE LOCATION OF 100 FT BUFFER TO TOP OF COASTAL BANK
- RI — INDICATES APPROXIMATE EXTENT AND LOCATION OF RIPRAP INFILL, SEE DETAIL 3/S–6
- B — INDICATES APPROXIMATE LOCATION OF DETERIORATED (E) GRANITE BOLLARD GROUT PAD TO BE REMOVED. PROVIDE (N) GROUT PAD, SEE DETAIL 4/S–6
- BR — INDICATES APPROXIMATE LOCATION OF LOOSE (E) GRANITE BOLLARD. REMOVE AND RESET BOLLARD, SEE DETAIL 5/S–6
- APPROXIMATE LOCATION OF CHAIN EXTENSION, SEE DETAIL 6/S–6
- INDICATES APPROXIMATE LOCATION AND EXTENT OF FLOOD ZONE BOUNDARY (AS PROVIDED BY FELDMANN SURVEYORS)
- APPROXIMATE LOCATION AND EXTENT OF EROSION CONTROL MEASURES, SEE TYPICAL DETAILS FOR ADDITIONAL INFORMATION



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FLOODPLAIN COORDINATION FIGURE PART 5

Drawing Title

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FIG. 1E

Seal