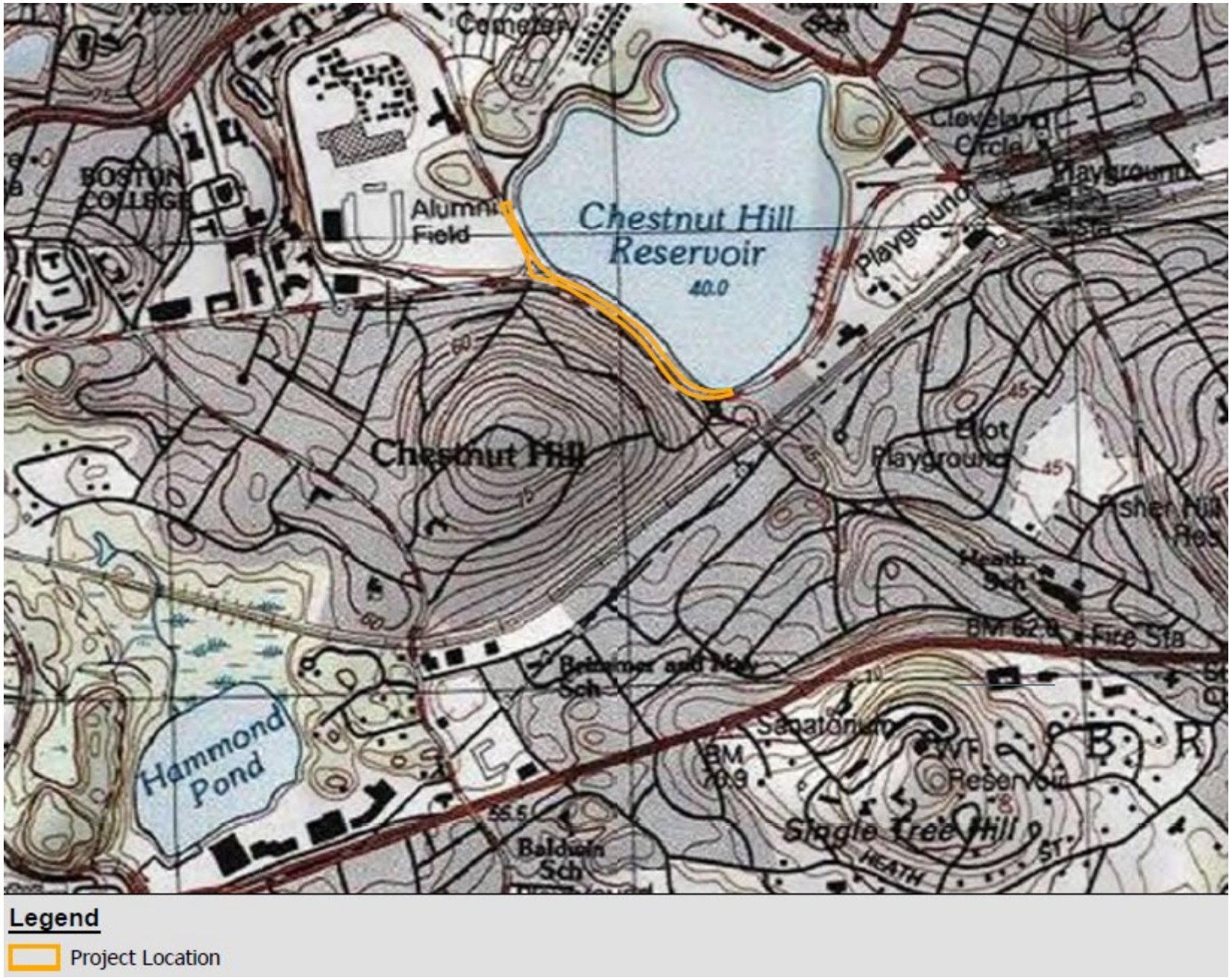
# Boston Landmarks Commission Hearing
# April 28, 2026

Chestnut Hill Reservoir Sidewalk and Drainage Improvements

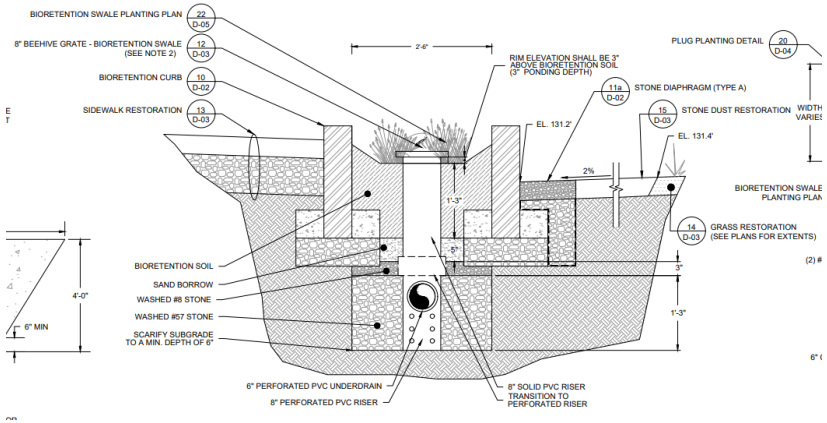
Applicant:  MA Department of Conservation and Recreation




Extent of project work along Chestnut Hill Reservoir

Existing conditions at north end of project area

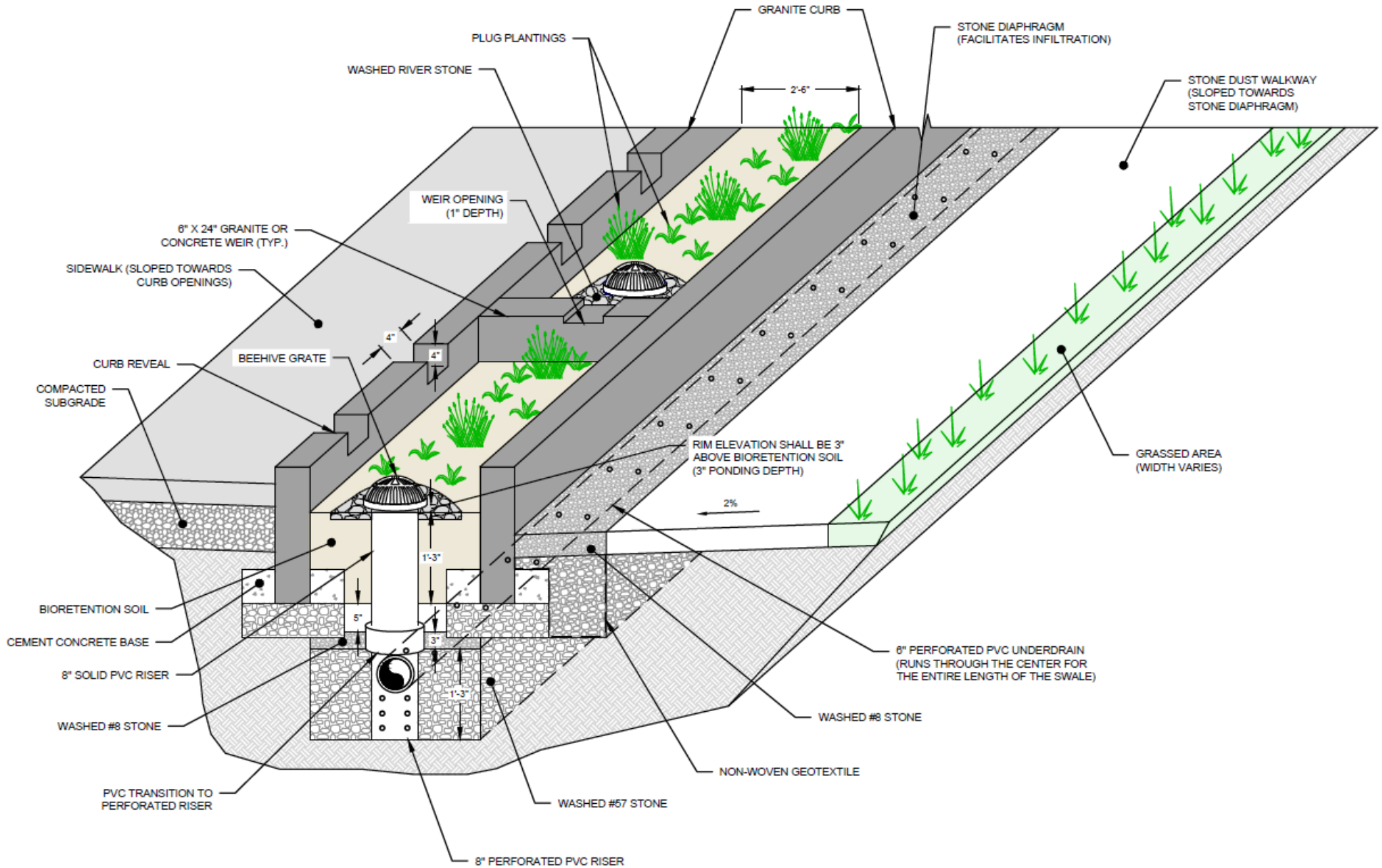
Proposed location of bioretention swale between paved path and stone dust path

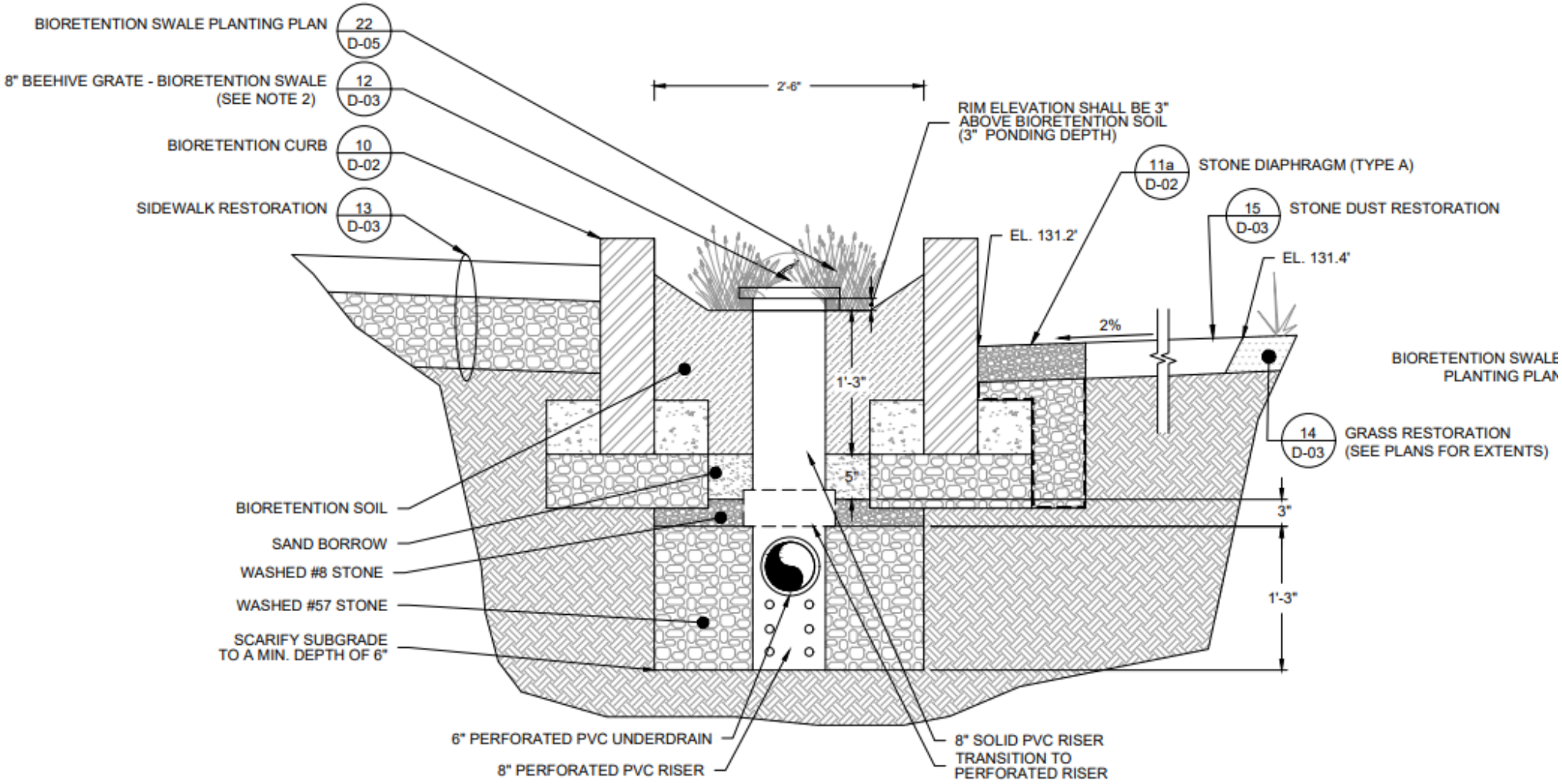





**Proposed Conditions**

# BIORETENTION SWALE





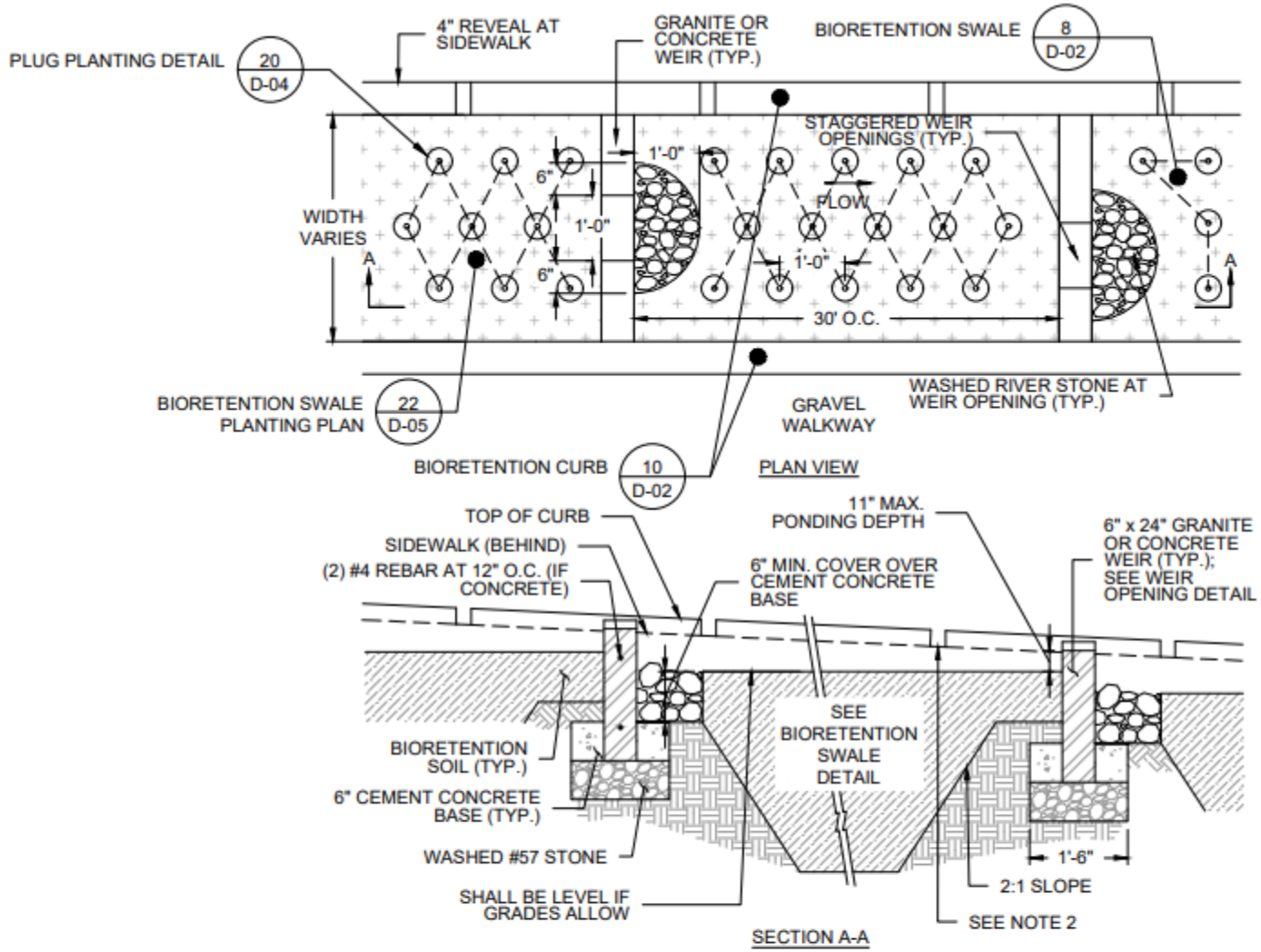

NOTES:

1. GRANITE OR CONCRETE WEIRS SHALL BE SPACED EVERY 30 LINEAR FEET AND INSTALLED AS SHOWN IN GRANITE\CONCRETE WEIR DETAIL.
2. BEEHIVE DRAINS SHALL BE CENTERED BETWEEN EACH WEIR/TERMINAL CURB END.
3. GENERAL REQUIREMENTS BIORETENTION SOIL SHALL ACHIEVE A LONG-TERM, IN-PLACE INFILTRATION RATE OF AT LEAST 5 INCHES PER HOUR. BIORETENTION SOIL SHALL ALSO SUPPORT VIGOROUS PLANT GROWTH. BIORETENTION SOIL SHALL BE A WELL-BLENDED MIXTURE OF MINERAL AGGREGATE AND COMPOST, MEASURED ON A VOLUME BASIS. BIORETENTION SOIL SHALL CONSIST OF TWO PARTS COMPOST (APPROXIMATELY 35 TO 40 PERCENT) BY VOLUME AND THREE PARTS MINERAL AGGREGATE (APPROXIMATELY 60 TO 65 PERCENT), BY VOLUME. THE MIXTURE SHALL BE WELL BLENDED TO PRODUCE A HOMOGENEOUS MIX.

## 8 / * BIORETENTION SWALE

SCALE: NTS

* = DP-01, R-01, D-02




NOTES:

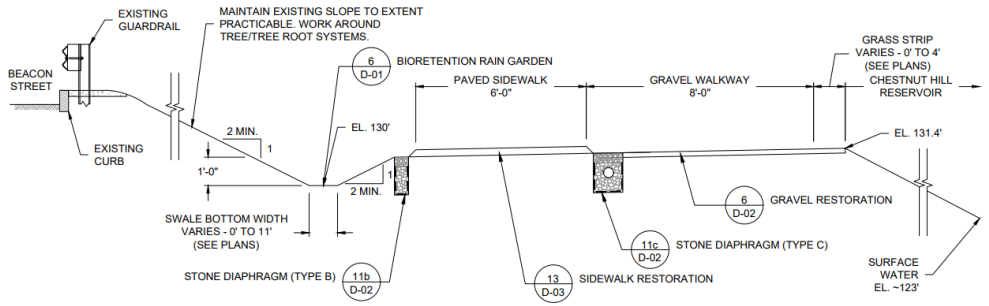
1. PROVIDE 4" BREAKS IN CURB REVEAL AT 6'-0" O.C. TO ALLOW SIDEWALK RUNOFF INTO BIORETENTION AREAS.
2. UPSTREAM OF WEIRS, BREAKS IN CURB REVEAL SHALL BE LOCATED A MIN. OF 1" ABOVE THE WEIR OPENING TO LIMIT THE POTENTIAL FOR THE BIORETENTION AREA TO OVER-TOP ONTO THE SIDEWALK.
3. IF USED IN CONTINUOUS SWALE, ALL WEIRS SHALL BE CONSTRUCTED OF THE SAME MATERIAL.

## 9 / * GRANITE OR CONCRETE WEIR

SCALE: NTS

* = DP-01, R-01

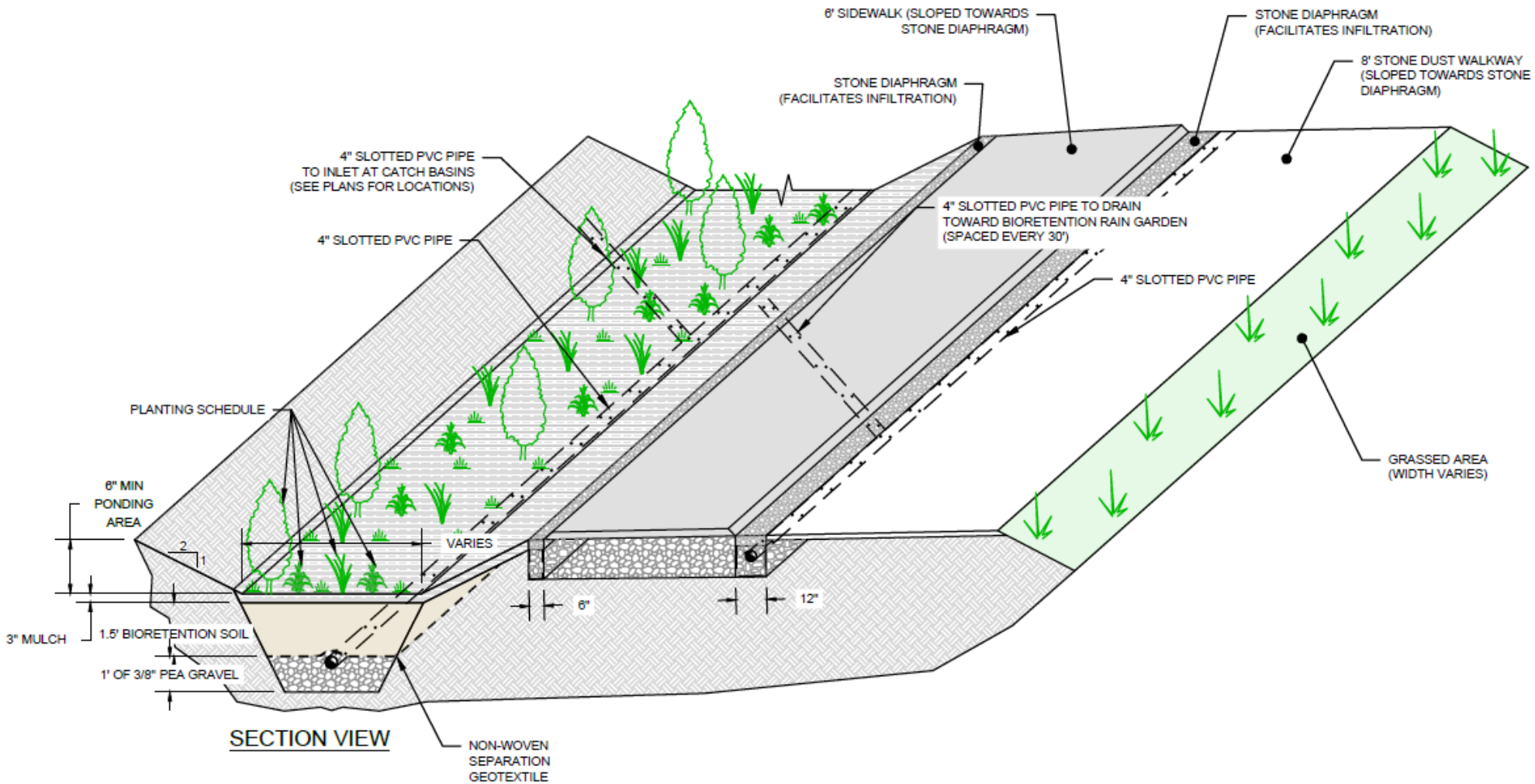

View of bioretention swale with granite curbs and weirs installed at 114 Dudley Street in Roxbury as example of similar installation proposed for Chestnut Hill Reservoir (minus trees).

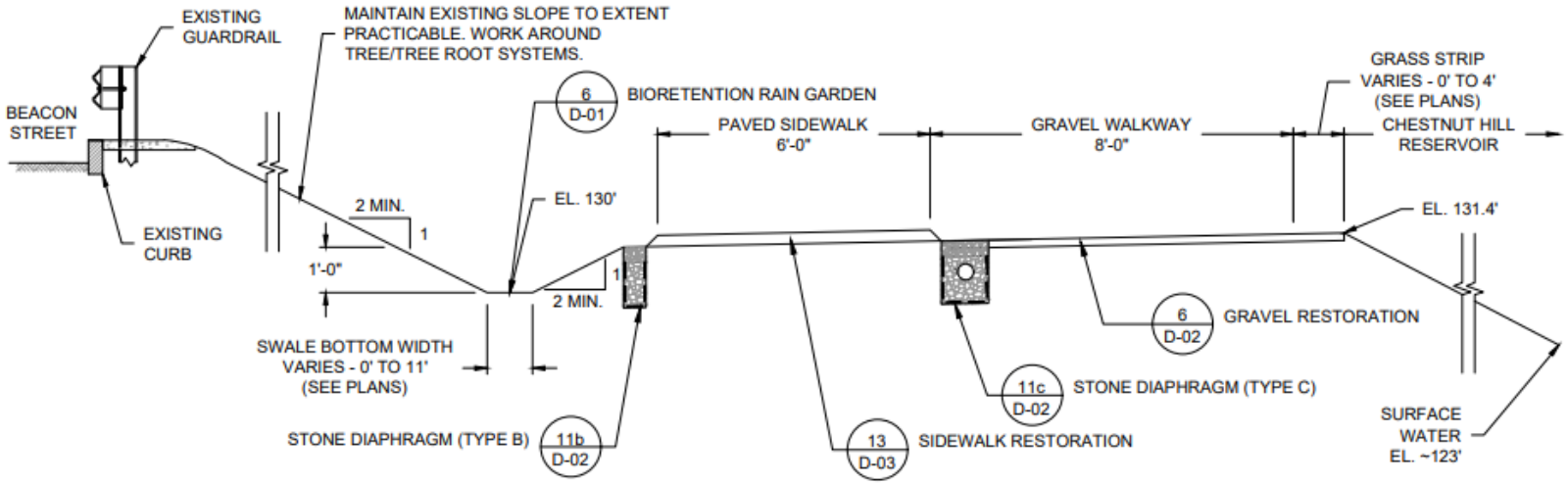




Proposed Profile Conditions

5 * SECTION DETAIL (STA 5+55 - STA 18+45)
NTS
* = DP-01, DP-02, DP-03

# BIORETENTION RAIN GARDEN

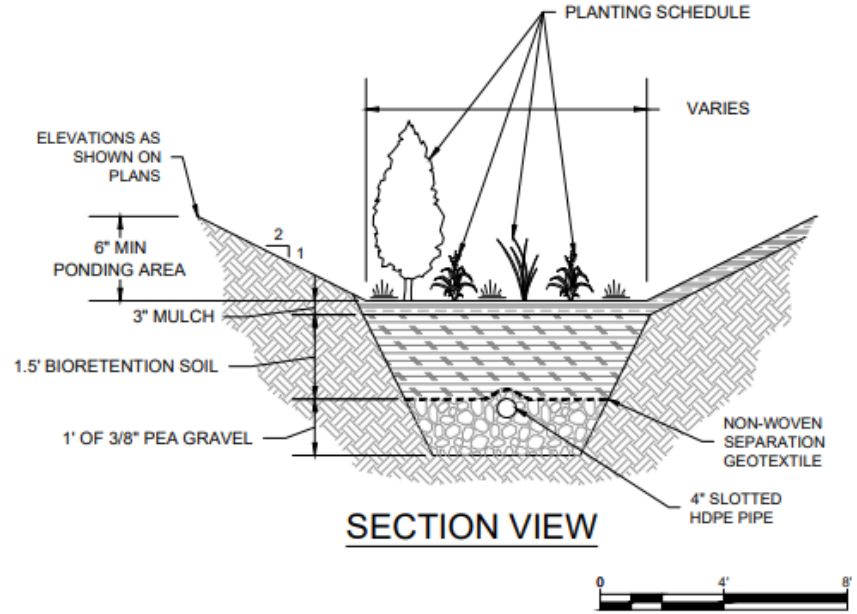





5 * SECTION DETAIL (STA 5+55 - STA 18+45)

NTS

* = DP-01, DP-02, DP-03

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6 * BIORETENTION RAIN GARDEN

NTS

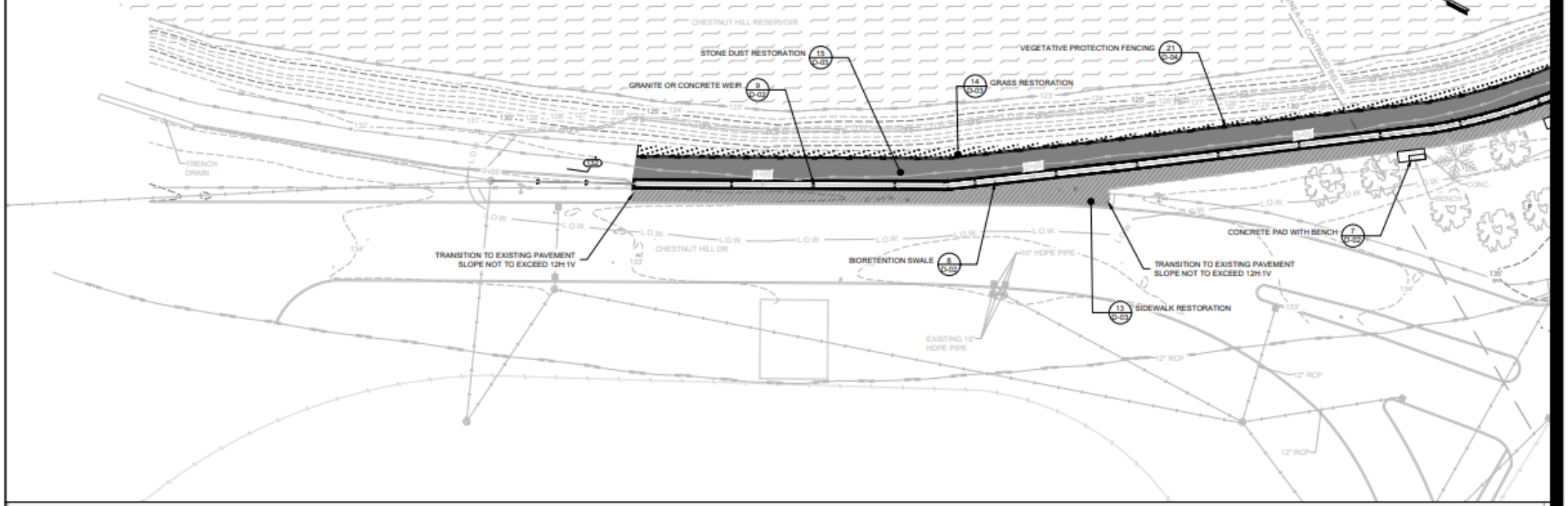
* = DP-01, DP-02, DP-03, R-01, R-02, R-03, D-01

View southeast along pathway at northern terminus of proposed bioretention rain garden, to be located to the right of paved path.


View northwest along southern half of project area showing typical existing conditions.

View northwest showing existing conditions at proposed location of oval planting bed to left of paved pathway.


View west from southern terminus of project area.




NOTES:

1. ALL DISTURBED AREAS SHALL BE SCARIFIED AND SEEDED.
2. SHORT TERM EROSION CONTROL FABRIC (STECF) SHALL BE INSTALLED ON SLOPES GREATER THAN 3H:1V. STECF SHALL BE SINGLE NET STRAW BLANKET WITH BIODEGRADABLE JUTE NETTING.

Project Management Initials:
Designer:
Checked:
Approved:

**PROJECT**

CHESTNUT HILL RESERVOIR
SIDEWALK REPLACEMENT AND DRAINAGE IMPROVEMENTS
CHESTNUT HILL, MASSACHUSETTS

**CLIENT**

MASSACHUSETTS DEPARTMENT OF CONSERVATION AND RECREATION
10 PARK PLAZA, SUITE 6620
BOSTON, MA 02116

**CONSULTANT**

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www.aecom.com

**REGISTRATION**

COMMONWEALTH OF MASSACHUSETTS
RANDALL M. TWISS
CIVIL
NO. 50239
REGISTERED PROFESSIONAL ENGINEER

Date: 10-10-2025

ENGINEER'S CERTIFICATION:

THE UNDERSIGNED HEREBY CERTIFIES THIS PLAN TO BE AN APPROPRIATE REPRESENTATION OF THE PROPOSED SITE FEATURES. THE COMPLIANCE OF THE IMPLEMENTATION OF CONTRACT WORK IS THE CONTRACTOR'S SOLE RESPONSIBILITY.

**REFERENCE**

10 0 20
GRAPHIC SCALE IN FEET

**ISSUE/REVISION**

| I/R | DATE | DESCRIPTION |
|---|---|---|
| 0 | 10/10/2025 | ISSUED FOR PERMIT |

**PROJECT NUMBER**

60724762

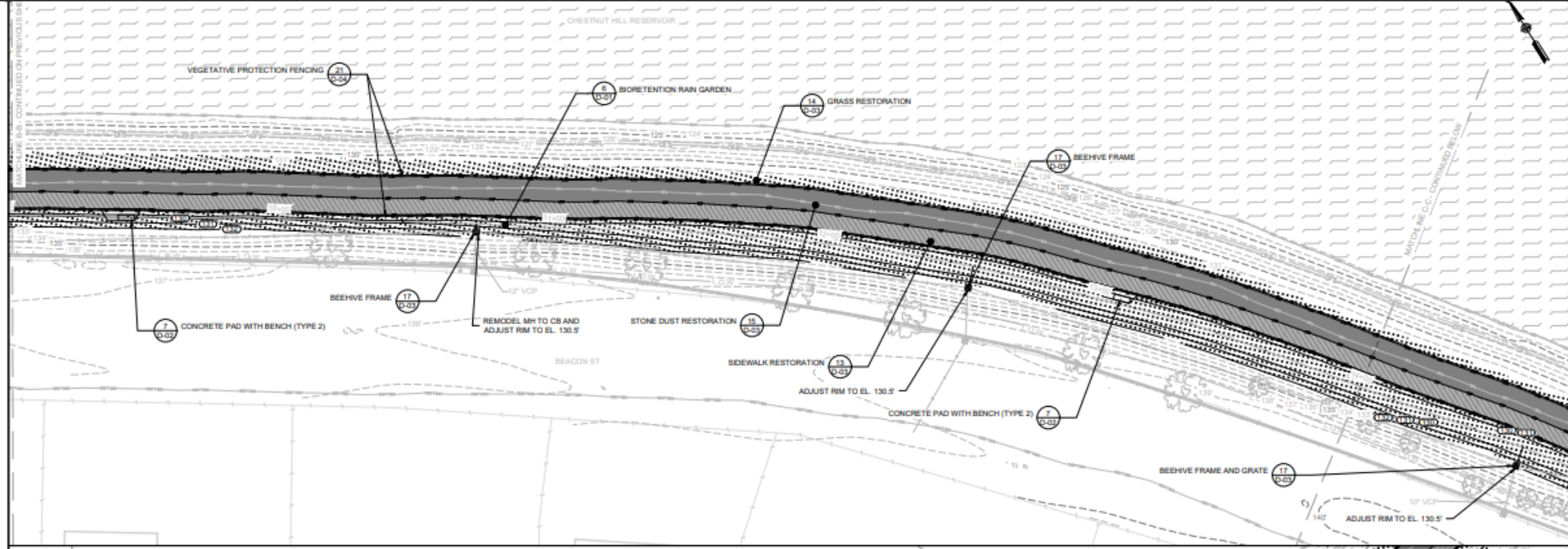
**SHEET TITLE**

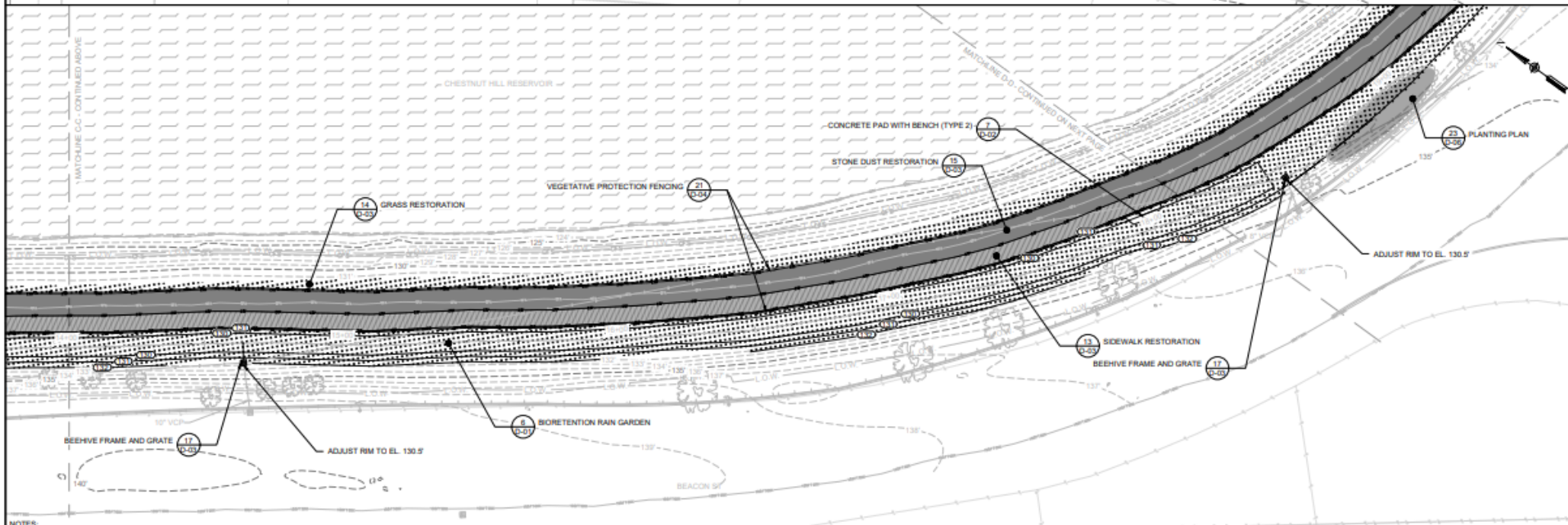
RESTORATION PLAN

SHEET 1 OF 3
PAGE 13 OF 21

**SHEET NUMBER**

R-01

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ANSI D

AECOM

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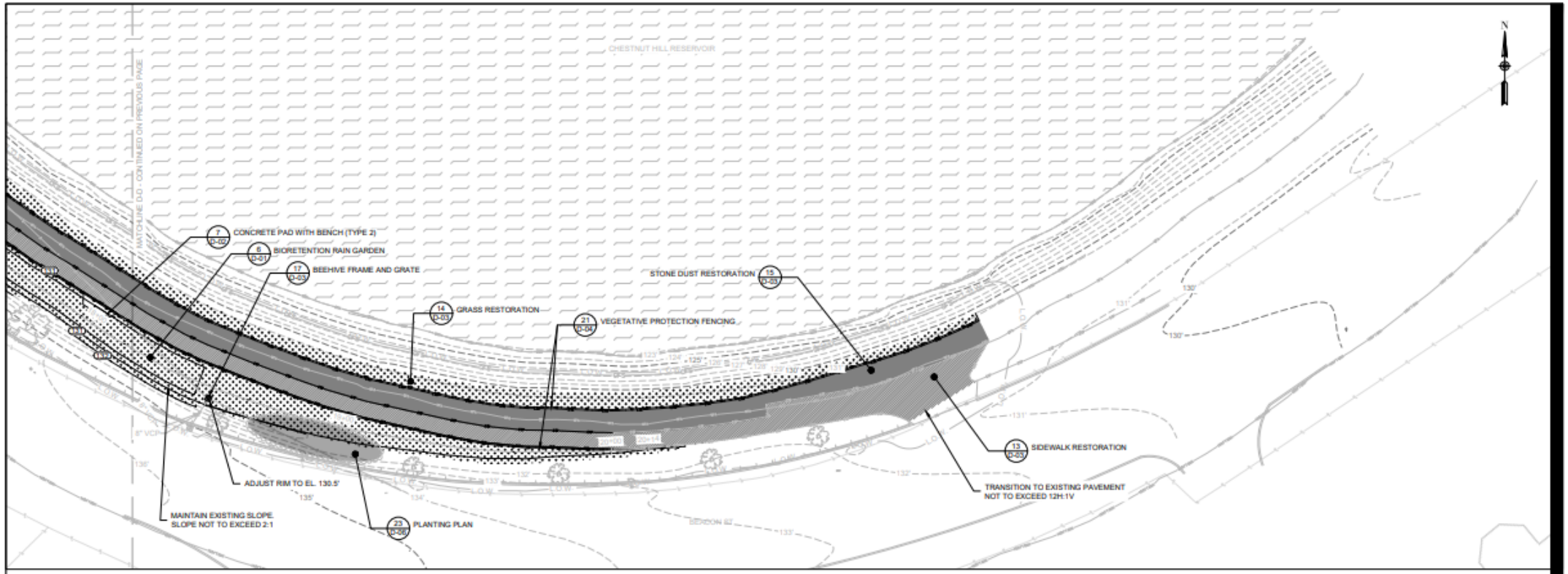
**SHEET TITLE**

RESTORATION PLAN

SHEET 2 OF 3
PAGE 14 OF 21
**SHEET NUMBER**




ANSI D 22" x 34"

Approved:

Checked:

Designer:

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AECOM

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