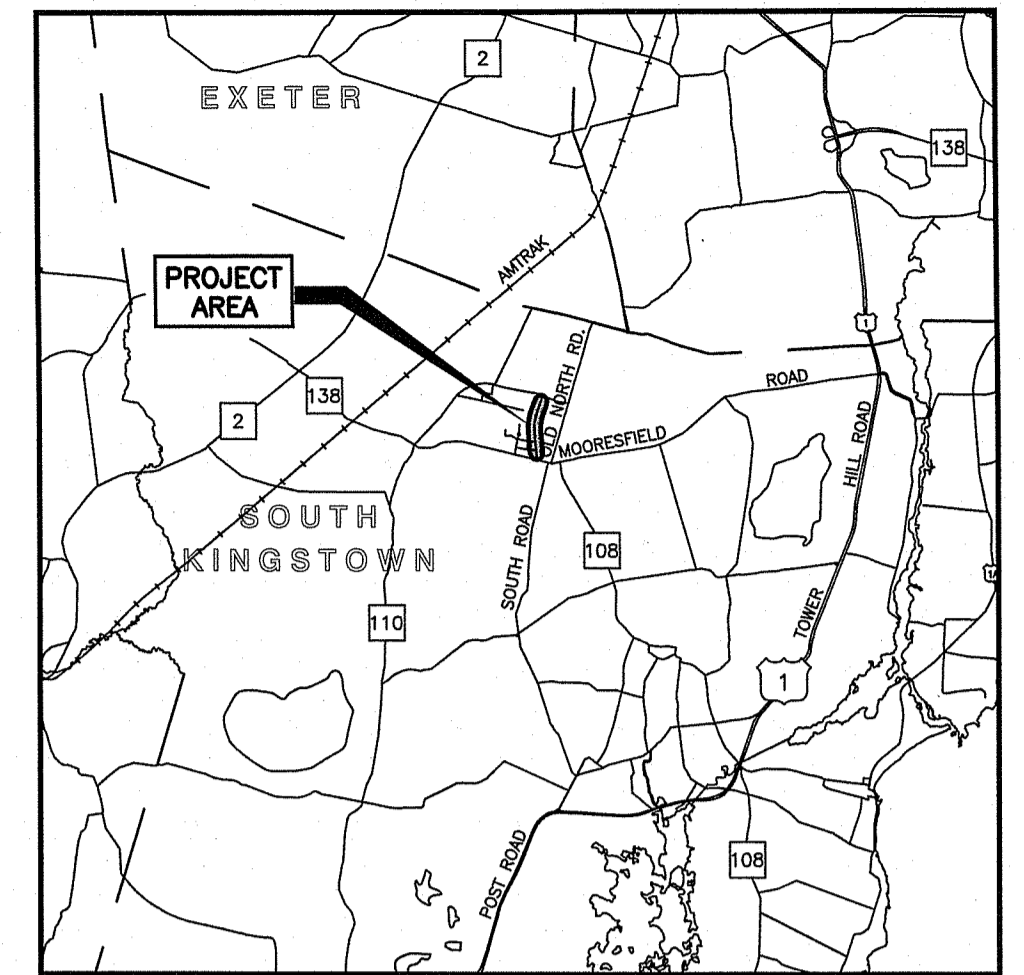


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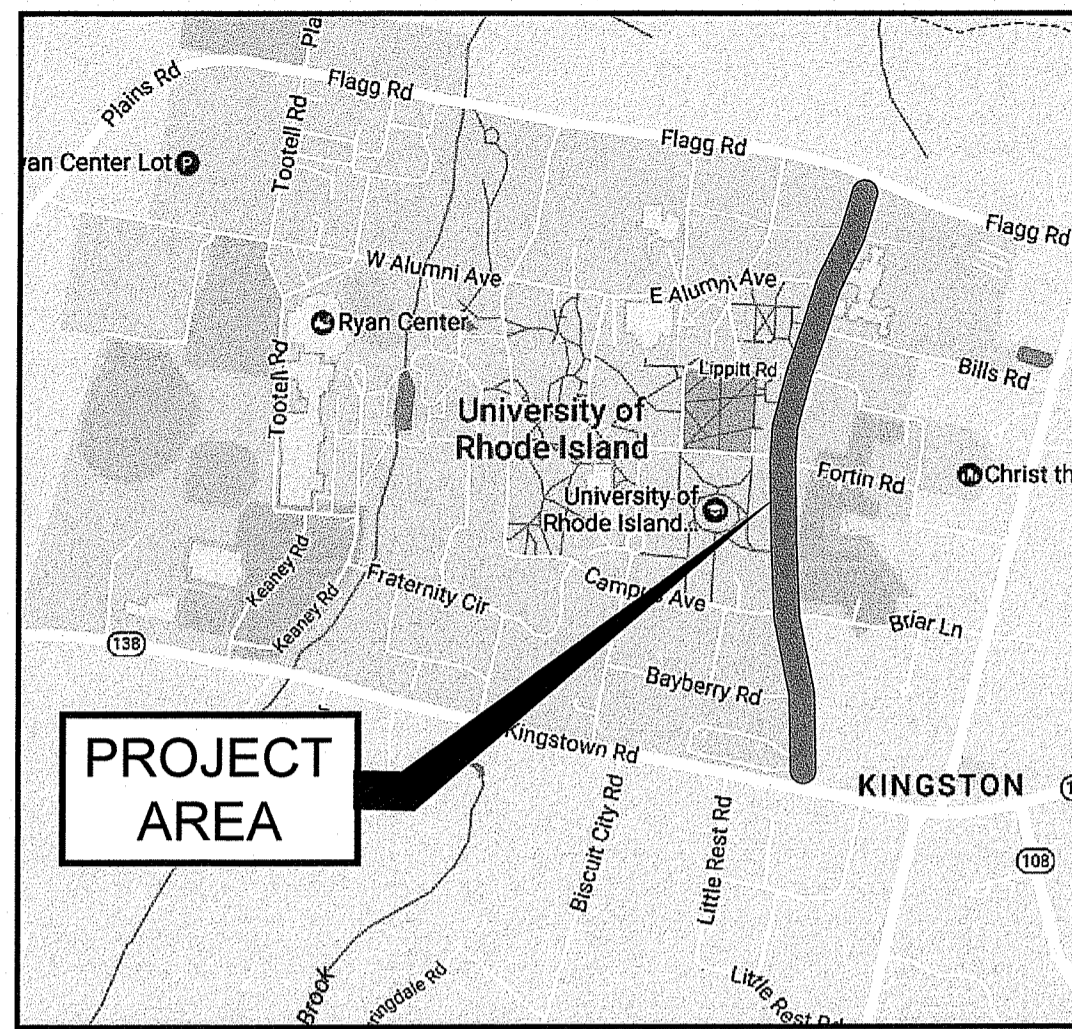
Office of Capital Projects

UPPER COLLEGE ROAD
RECONSTRUCTION
KINGSTON, RHODE ISLAND

PROJECT NO. KC.UPCO.2018.001



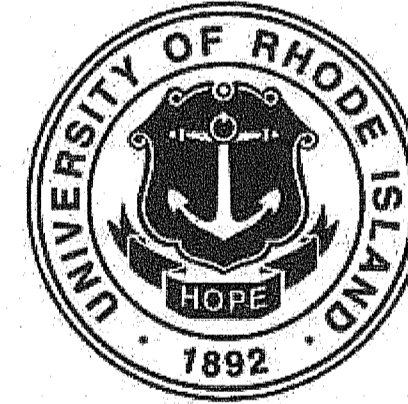
LOCATION MAP
SCALE: 1" = 2 Miles



LOCATION MAP
NOT TO SCALE

THE UNIVERSITY OF RHODE ISLAND

THINK BIG  WE DOSM



Kindly be advised that this
Permit is not equivalent to a
verification of the type or extent
of freshwater wetlands on site.

INDEX

SHEET NO.	DESCRIPTION
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8-11	GENERAL PLANS 1-4
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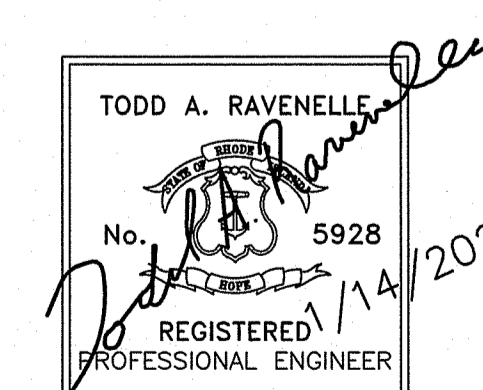
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED 2/16/2021 FILE # 20-0247
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
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Nancy L. Freeman

Environmental Management

JAN 19 2021

Office of Water Resources



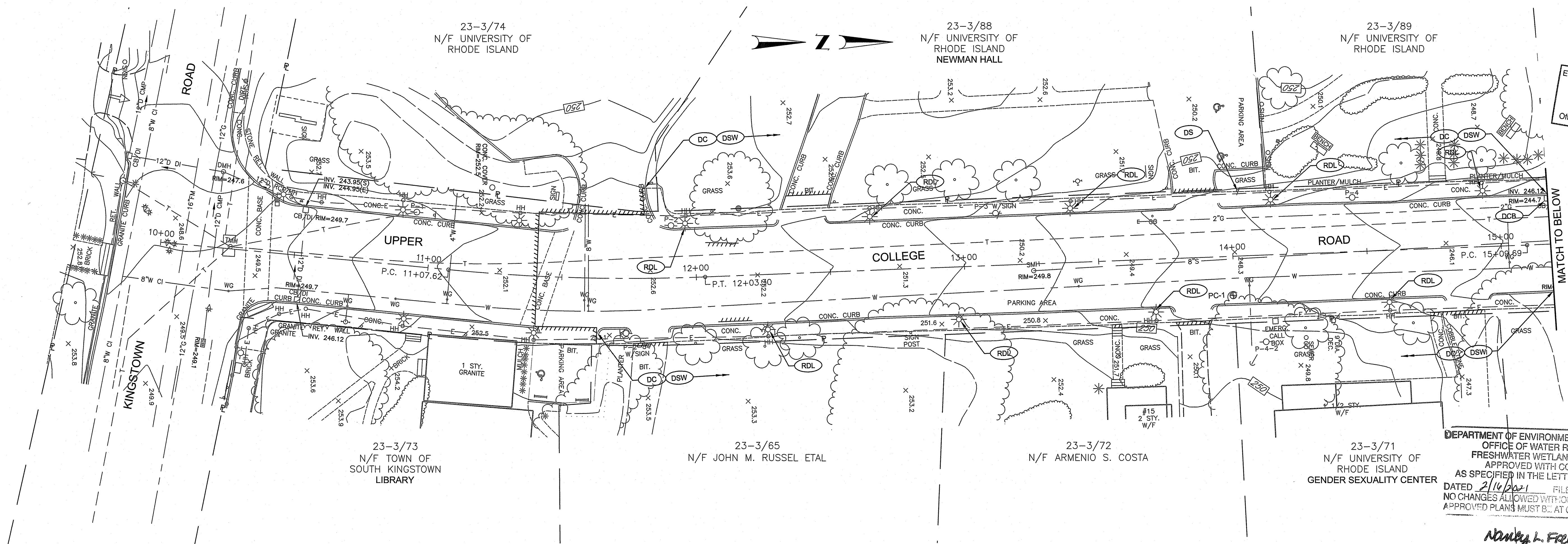
RHODE ISLAND DEPARTMENT OF
ENVIRONMENTAL MANAGEMENT
SUPPLEMENTAL SUBMISSION
JANUARY 14, 2021



Gordon R. Archibald, Inc.
Civil and Environmental Engineers

Number of Sheet 1

Total Sheets 30



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PROJECT
UPPER COLLEGE ROAD RECONSTRUCTION

TODD A. RAVENELLE
 No. 5928
 REGISTERED PROFESSIONAL ENGINEER

CLIENT
UNIVERSITY OF RHODE ISLAND

DRAWING TITLE
EXISTING CONDITIONS AND DEMOLITION PLAN - 1

PROJECT NO.: 1884

DATE: JANUARY 2021

SCALE: 1" = 20'

DRAWN BY: JLH

CHECKED BY: TAR

DRAWING NUMBER

3

SHEET 3 OF 30

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Nancy L. Freeman

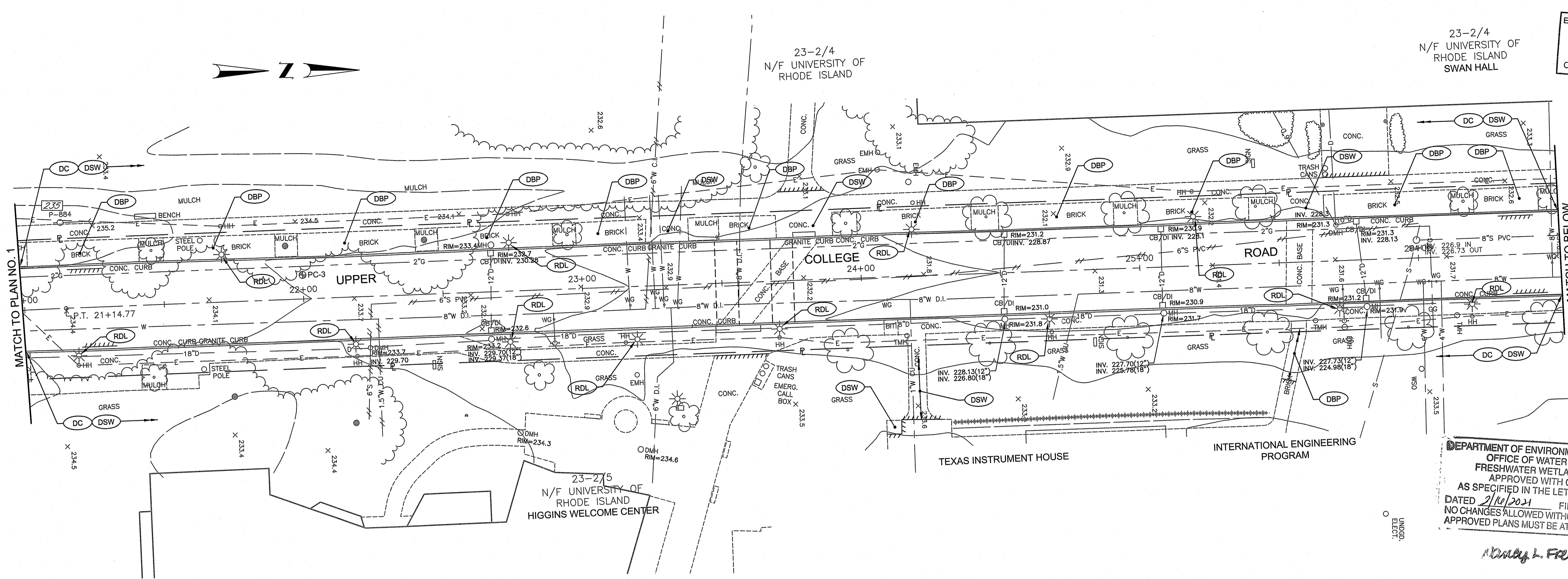
Gordon R. Archibald, Inc.
 Civil and Environmental Engineers
 Pawtucket, Rhode Island



UPPER COLLEGE ROAD PAVEMENT THICKNESS

CORE NUMBER	DEPTH (INCHES)	BASE
PC-1	6 1/2"	GRAVEL
PC-2	8 1/2"	GRAVEL

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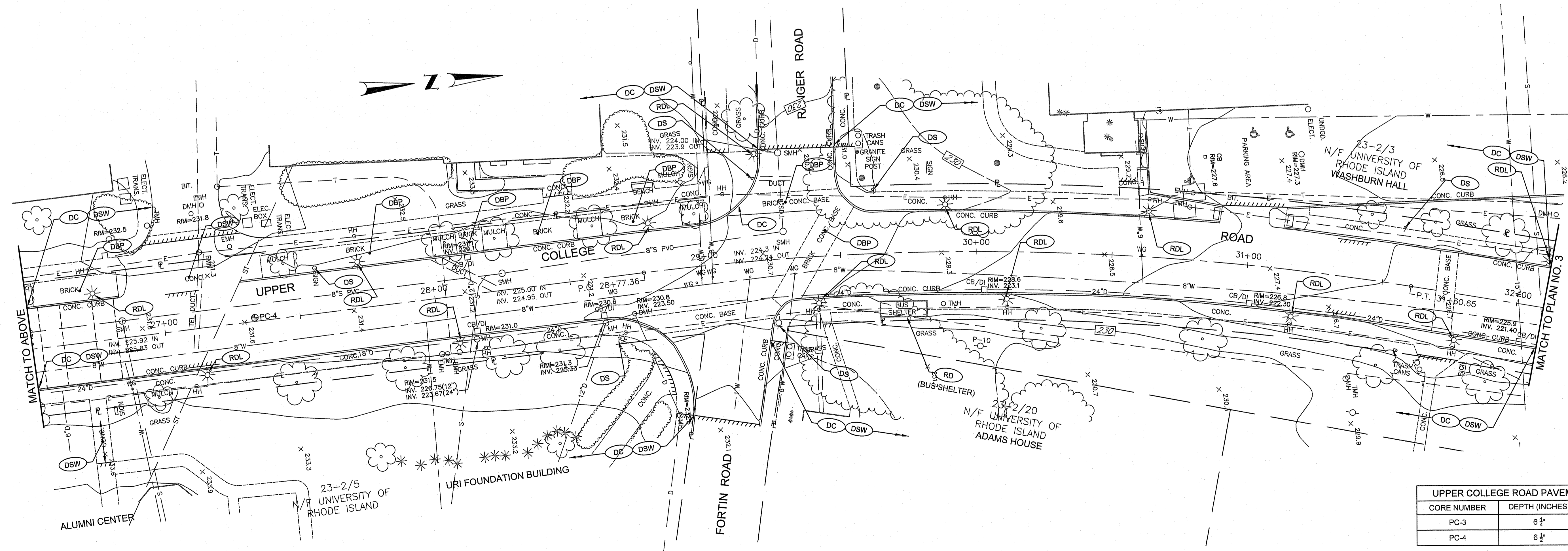
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23-2/4
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 RHODE ISLAND
 SWAN HALL

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Andrew L. Freeman



UPPER COLLEGE ROAD PAVEMENT THICKNESS		
CORE NUMBER	DEPTH (INCHES)	BASE
PC-3	6 1/2"	GRAVEL
PC-4	6 1/2"	GRAVEL

PROJECT
**UPPER COLLEGE ROAD
 RECONSTRUCTION**

TODD A. RAYNEVILLE
 No. 5928
 REGISTERED PROFESSIONAL ENGINEER

CLIENT
UNIVERSITY OF RHODE ISLAND

Gordon R. Archibald, Inc.
 Civil and Environmental Engineers
 Pawtucket, Rhode Island



DRAWING TITLE
**EXISTING CONDITIONS AND
 DEMOLITION PLAN - 2**

NO.	DATE	REVISIONS	BY

PROJECT NO.: 1884

DATE: JANUARY 2021

SCALE: 1" = 20'

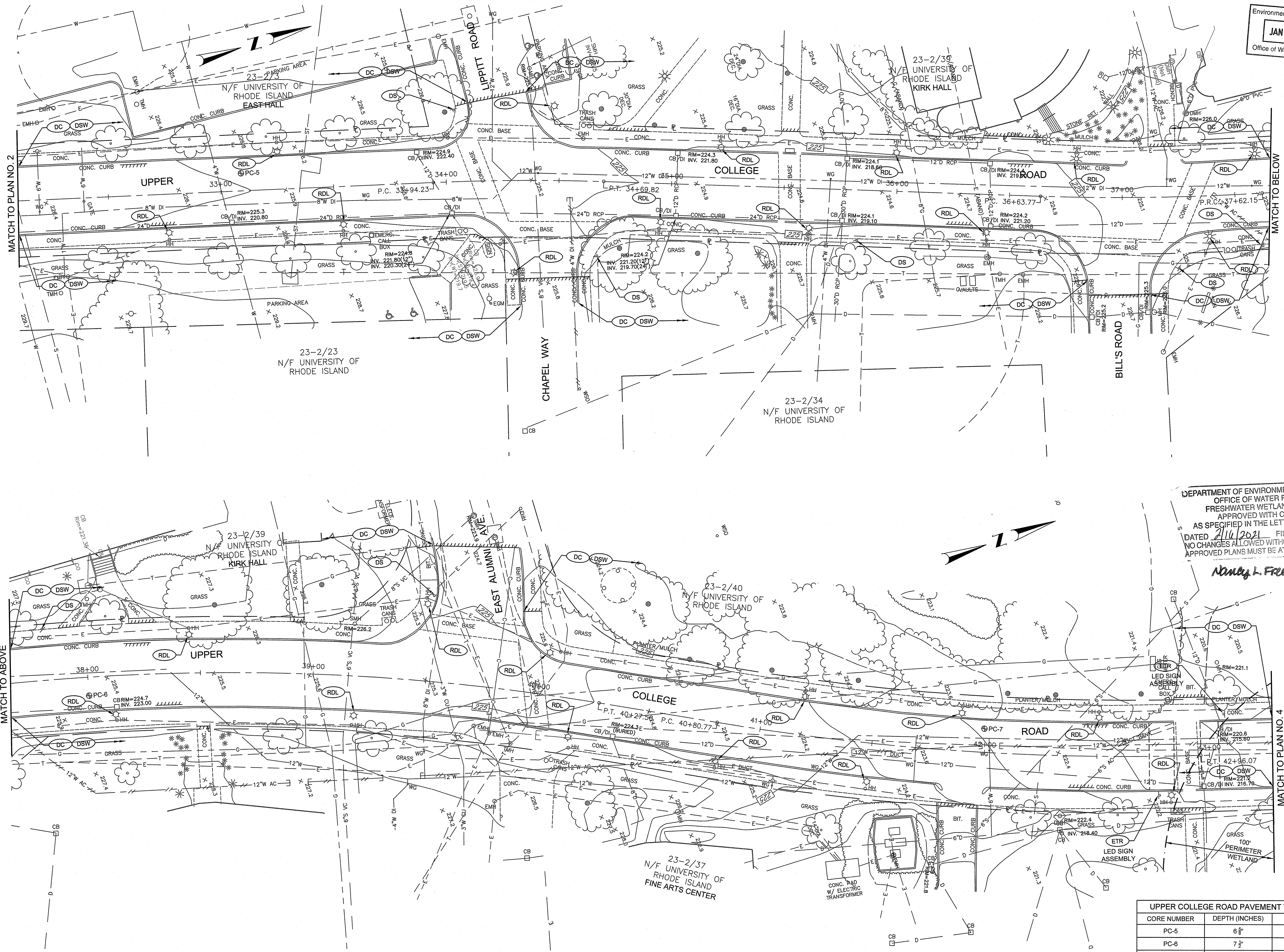
DRAWN BY: JLH

CHECKED BY: TAR

DRAWING NUMBER

4

SHEET 4 OF 4



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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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 DATED 2/11/2021 FILE # 20-0247
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Nancy L. Freeman

UPPER COLLEGE ROAD PAVEMENT THICKNESS

CORE NUMBER	DEPTH (INCHES)	BASE
PC-5	6"	GRAVEL
PC-6	7"	GRAVEL
PC-7	7"	GRAVEL

PROJECT
**UPPER COLLEGE ROAD
 RECONSTRUCTION**

TODD A. RAVENELLE
 No. 5928
 REGISTERED PROFESSIONAL ENGINEER

CLIENT
UNIVERSITY OF RHODE ISLAND

Gordon R. Archibald, Inc.
 Civil and Environmental Engineers
 Pawtucket, Rhode Island

DRAWING TITLE
**EXISTING CONDITIONS AND
 DEMOLITION PLAN - 3**

NO.	DATE	REVISIONS	BY

PROJECT NO.: 1884

DATE: JANUARY 2021

SCALE: 1" = 20'

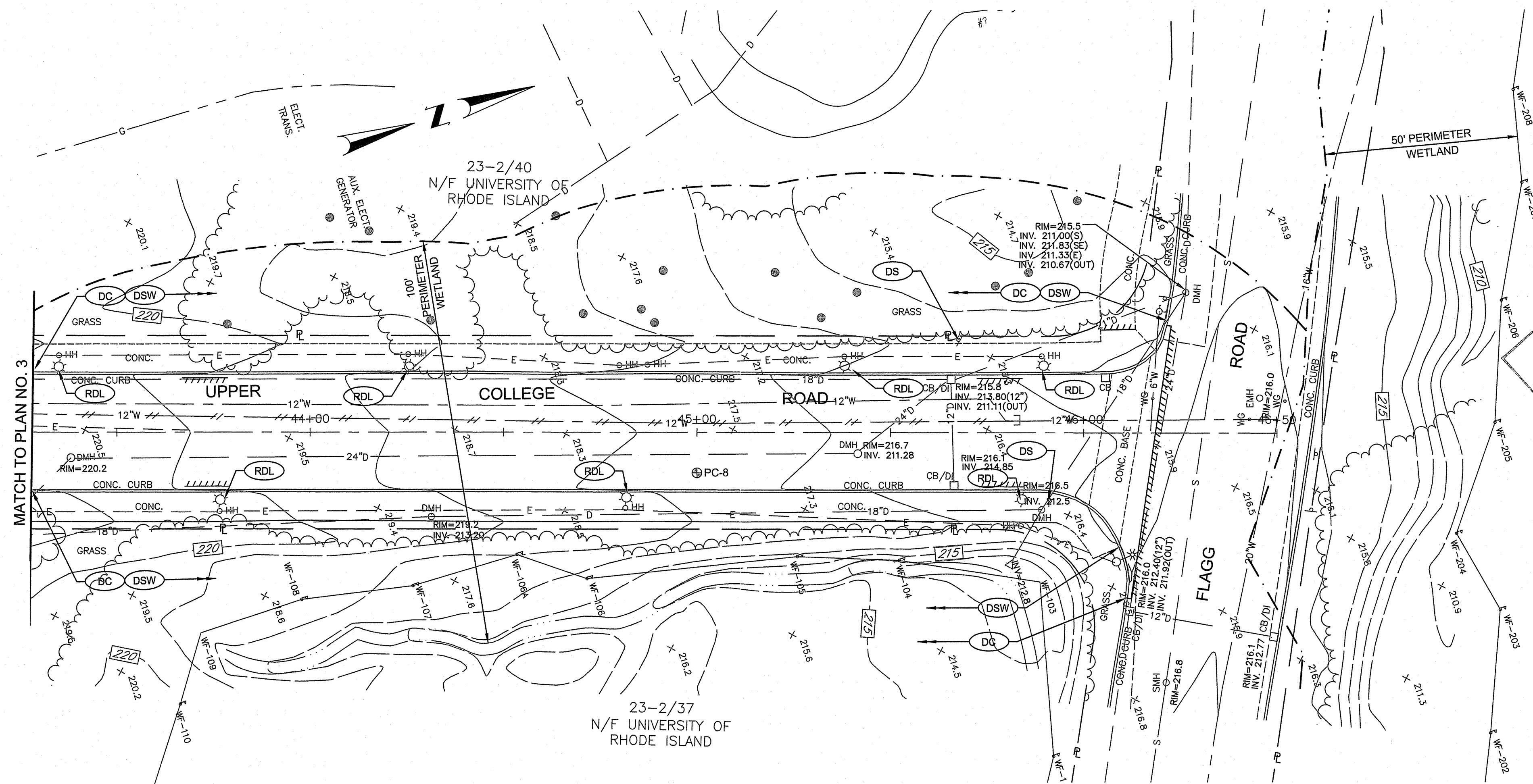
DRAWN BY: JLH

CHECKED BY: TAR

DRAWING NUMBER

5

SHEET 5 OF 30



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PROJECT
UPPER COLLEGE ROAD RECONSTRUCTION

TODD A. RAVENELLE
 No. 5928
 REGISTERED PROFESSIONAL ENGINEER

CLIENT
UNIVERSITY OF RHODE ISLAND

Gordon R. Archibald, Inc.
 Civil and Environmental Engineers
 Pawtucket, Rhode Island

DRAWING TITLE
EXISTING CONDITIONS AND DEMOLITION PLAN - 4

NO.	DATE	REVISIONS	BY

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED 2/16/2021 FILE # 20-0247
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED BY: Donna E. Freeman

PROJECT NO.: 1884

DATE: JANUARY 2021

SCALE: 1" = 20'

DRAWN BY: JLH

CHECKED BY: TAR

UPPER COLLEGE ROAD PAVEMENT THICKNESS

CORE NUMBER	DEPTH (INCHES)	BASE
PC-8	6 1/2"	GRAVEL

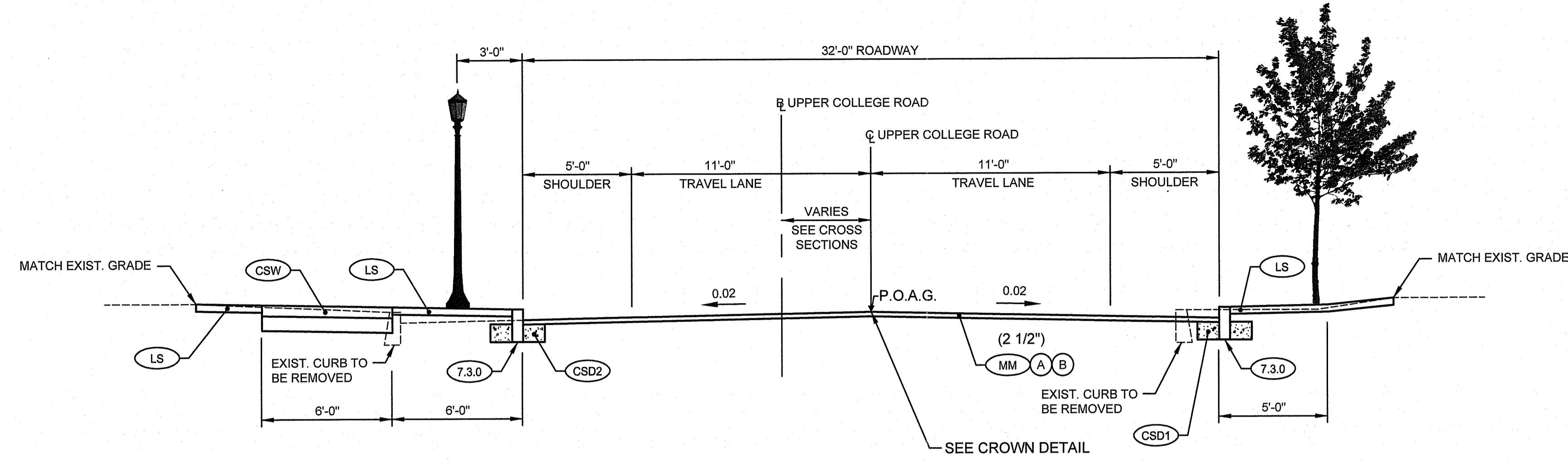
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 SHEET 2 OF 30

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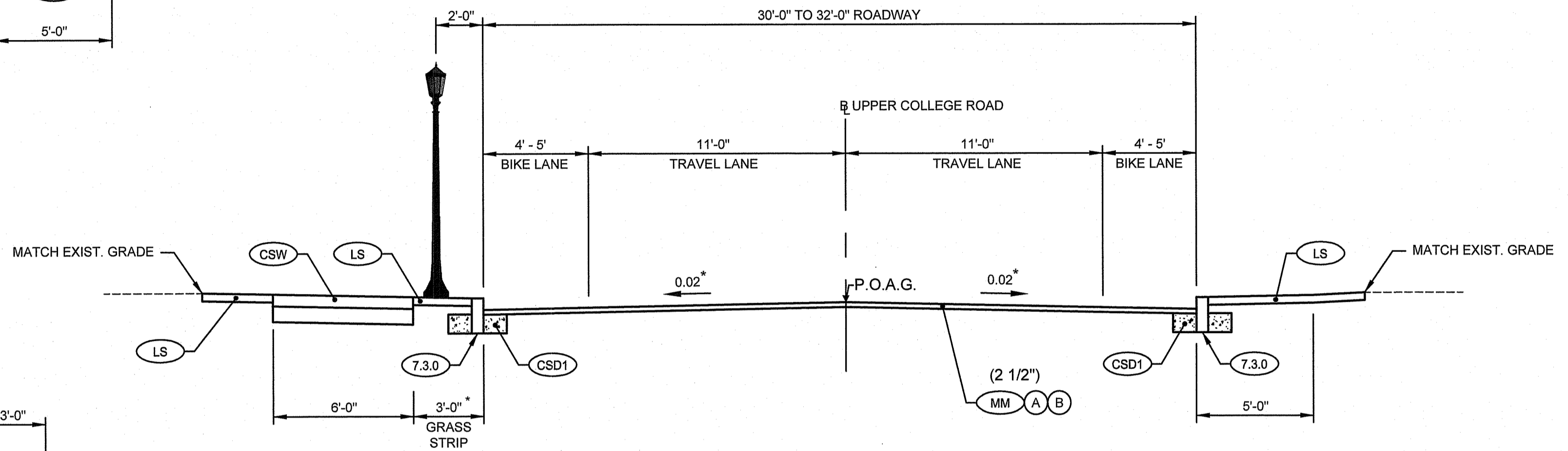
LEGEND

- (A) 1 1/2" MODIFIED CLASS 9.5 HMA
- (B) 1" CLASS 9.5 HMA LEVELING COURSE
- (CSD1) CURB SETTING DETAIL 1 (SEE DETAIL SHEET 1)
- (CSD2) CURB SETTING DETAIL 2 (SEE DETAIL SHEET 1)
- (CSW) 6" CONCRETE SIDEWALK
- (LS) 4" LOAM AND SEED
- (MM) 2 1/2" MICROMILL
- (PP) PERMEABLE PAVERS
- (7.3.0) GRANITE CURB
- (7.6.0) CURB SETTING DETAIL
- P.O.A.G. POINT OF APPLICATION OF CENTERLINE PROFILE GRADE

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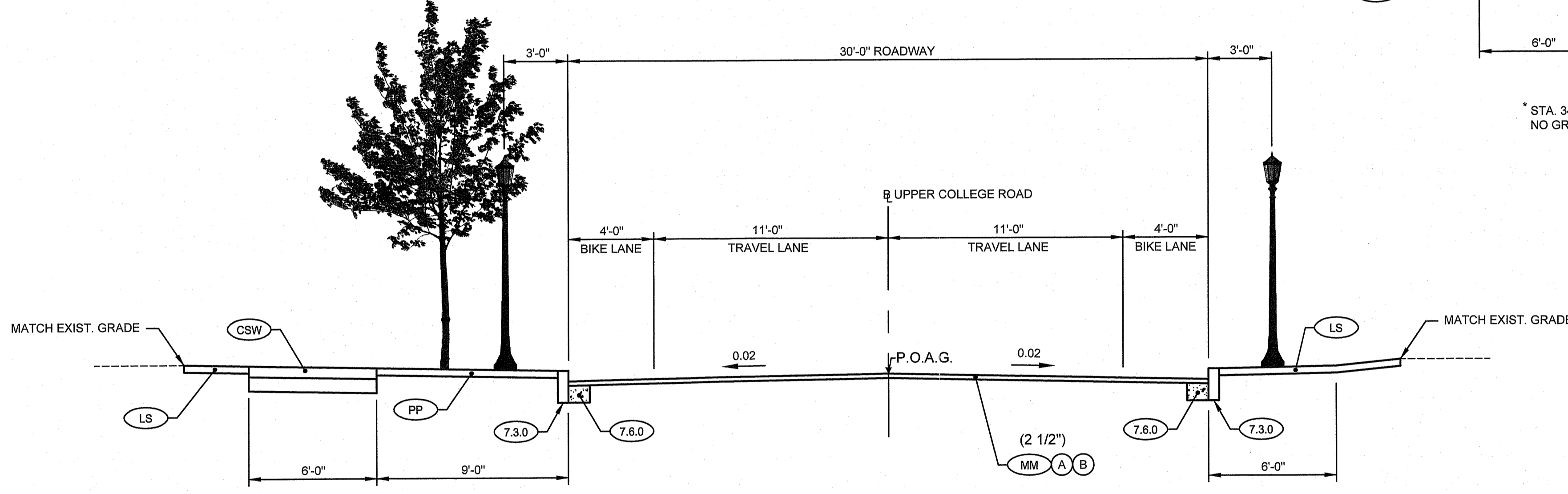


UPPER COLLEGE ROAD
 STA. 12+00 - 20+00
 SCALE: 1" = 4'

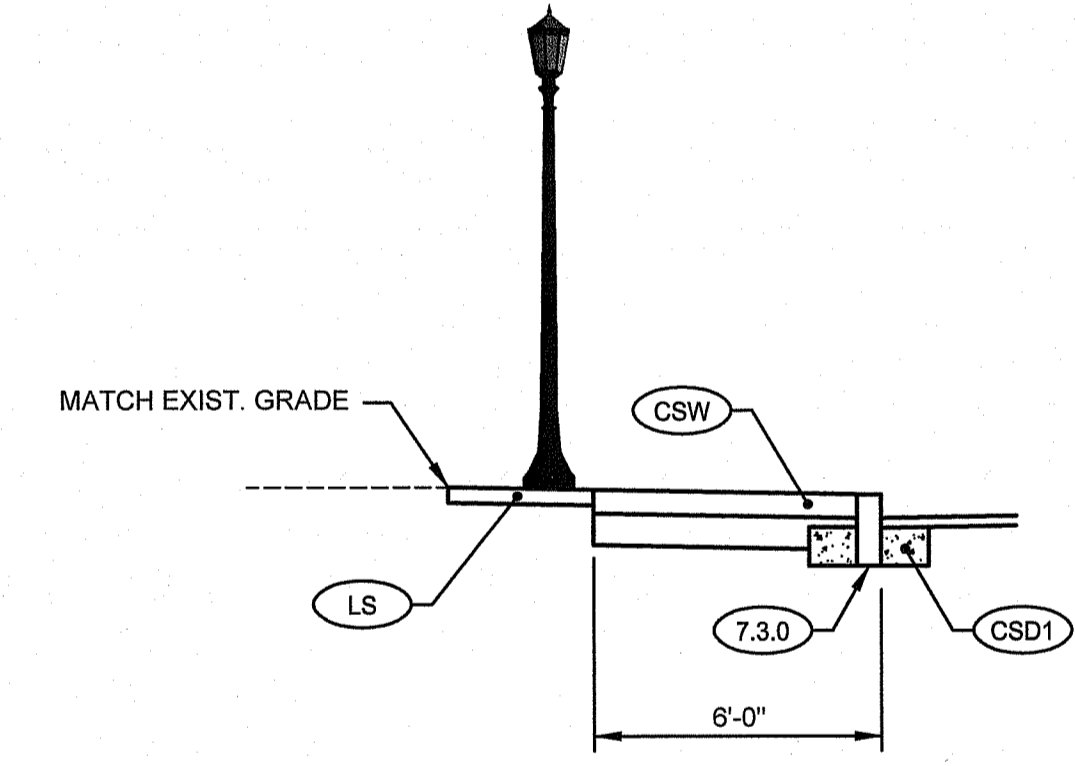


UPPER COLLEGE ROAD
 STA. 34+50 - 46+00
 SCALE: 1" = 4'

* SEE GRADING PLANS FOR TRANSITION / SUPERELEVATIONS, LIMITS AND CROSS SLOPES.

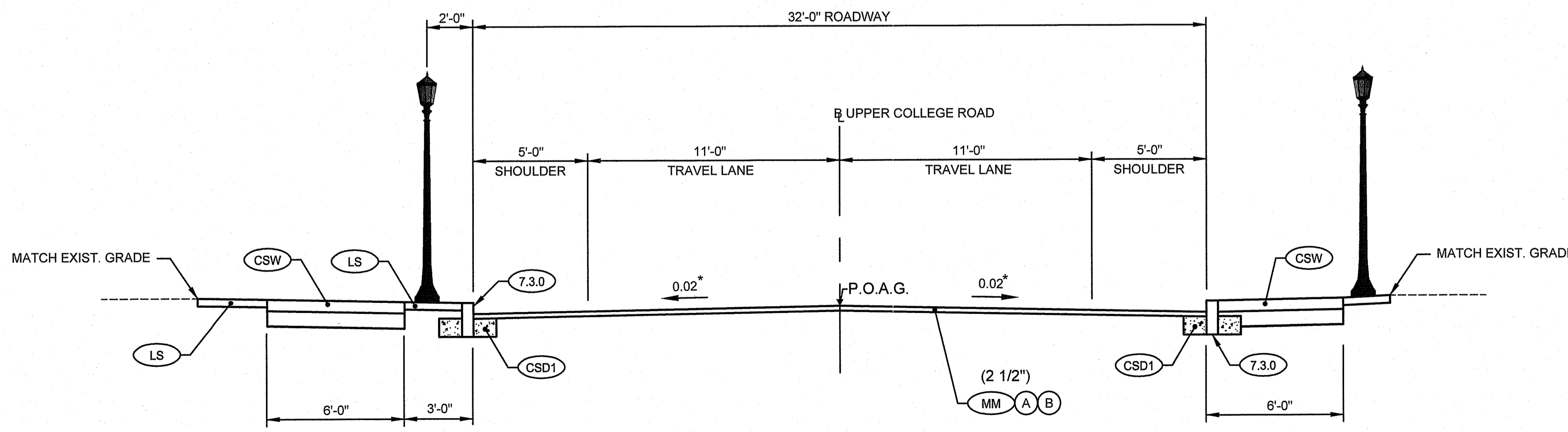


UPPER COLLEGE ROAD
 STA. 20+00 - 29+00
 SCALE: 1" = 4'



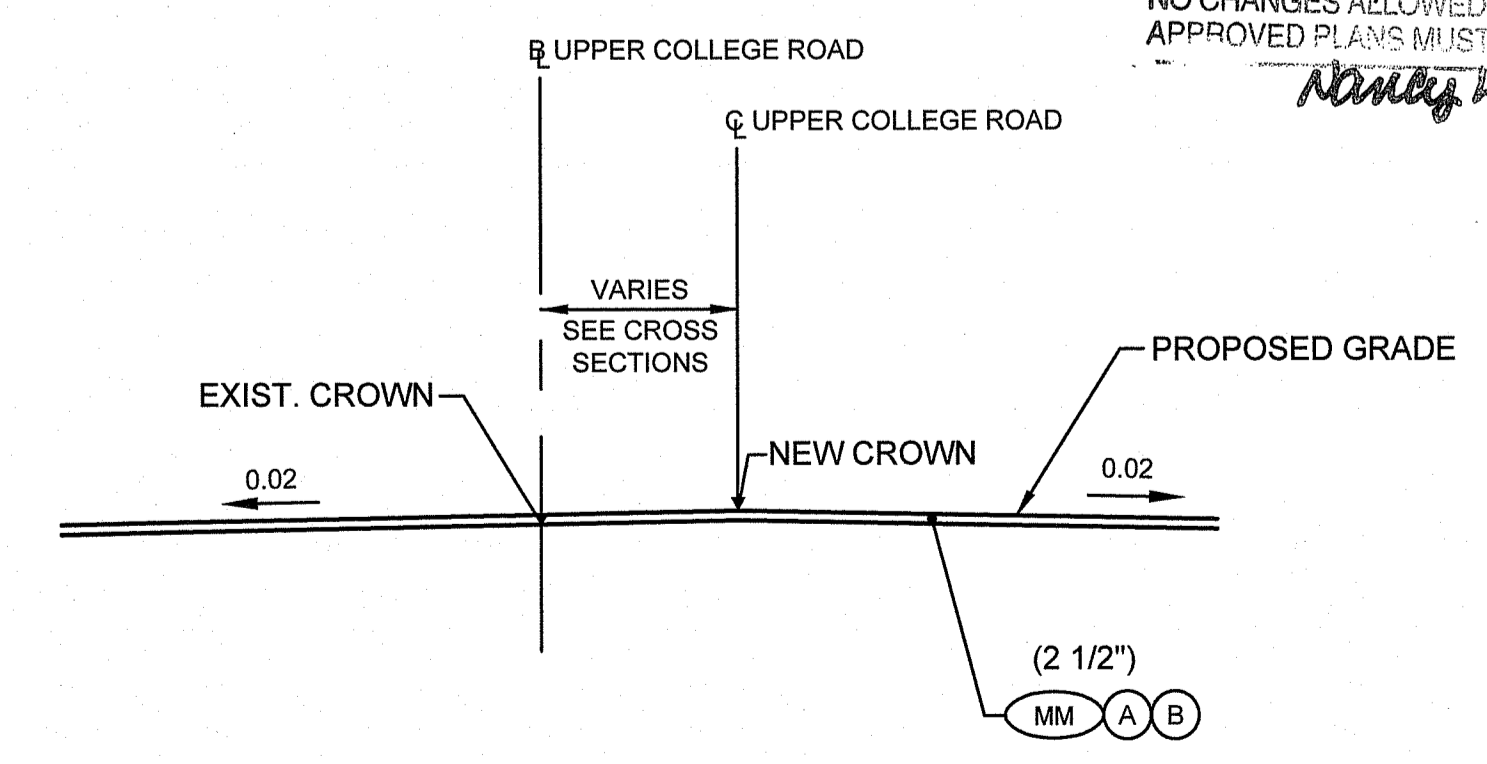
UPPER COLLEGE ROAD
 STA. 34+50 - 39+00
 SCALE: 1" = 4'

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Nancy L. Freeman



UPPER COLLEGE ROAD
 STA. 29+00 - 34+50
 SCALE: 1" = 4'

* SEE GRADING PLANS FOR TRANSITION / SUPERELEVATIONS, LIMITS AND CROSS SLOPES.



CROWN DETAIL
 NOT TO SCALE

UPPER COLLEGE ROAD RECONSTRUCTION

TODD A. RAVENELLE
 No. 5928
 REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY OF RHODE ISLAND

Gordon R. Archibald, Inc.
 Civil and Environmental Engineers
 Pawtucket, Rhode Island

DRAWING TITLE: TYPICAL SECTIONS

NO.	DATE	REVISIONS	BY

PROJECT NO.: 1884

DATE: JANUARY 2021

SCALE: AS SHOWN

DRAWN BY: JLH

CHECKED BY: TAR

DRAWING NUMBER

7

SHEET 7 OF 30

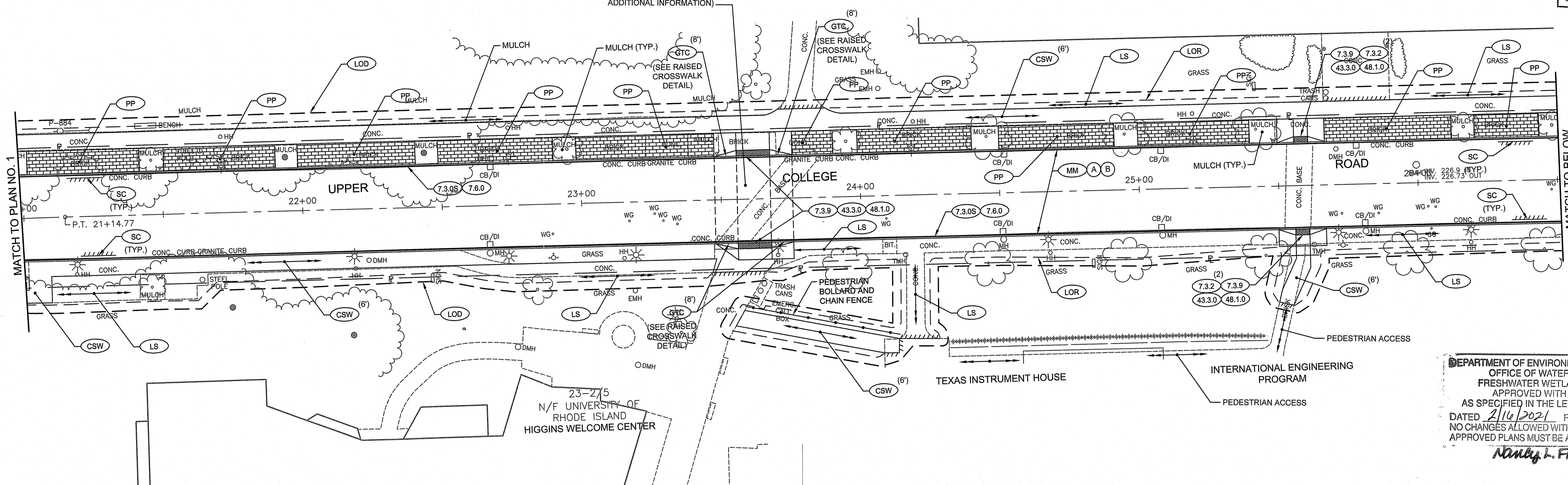


RAISED CROSSWALK (SEE
DETAIL SHEET 2 FOR
ADDITIONAL INFORMATION)

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23-2/4
N/F UNIVERSITY OF
RHODE ISLAND
SWAN HALL

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JAN 19 2021



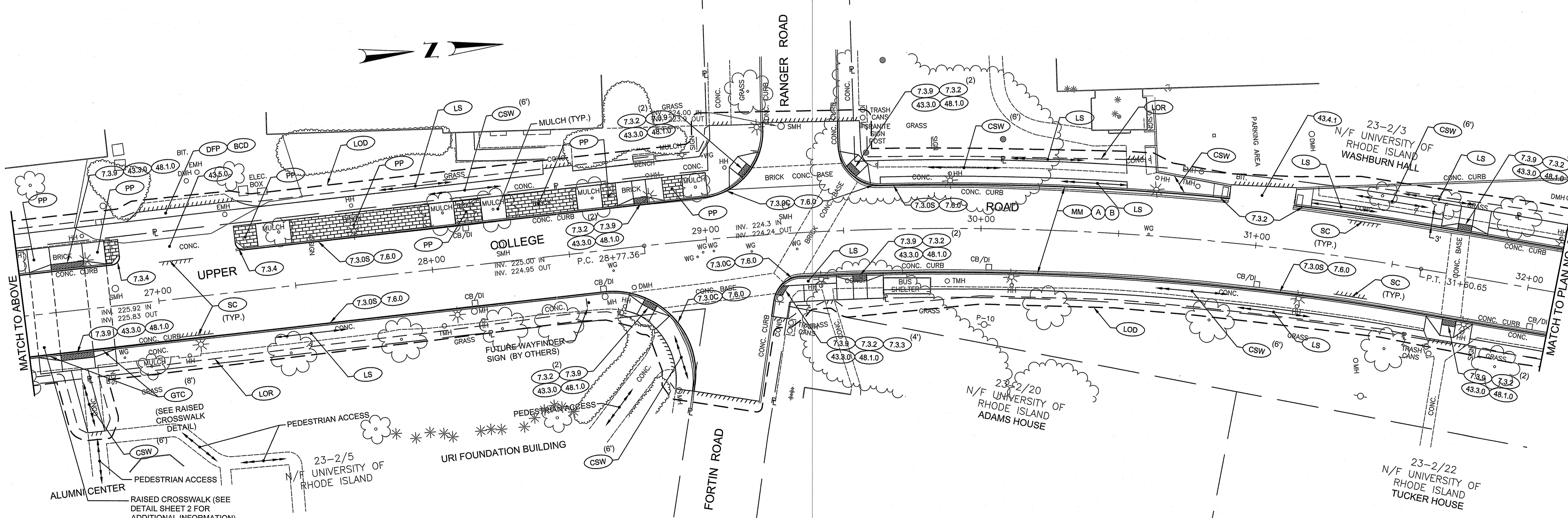
MATCH TO PLAN NO. 1

MATCH TO BELOW

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
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Nancy L. Freeman



RANGER ROAD



MATCH TO ABOVE

MATCH TO PLAN NO. 3

PROJECT
**UPPER COLLEGE ROAD
RECONSTRUCTION**

TODD A. RAYBELLE
No. 5928
REGISTERED PROFESSIONAL ENGINEER

CLIENT
UNIVERSITY OF RHODE ISLAND

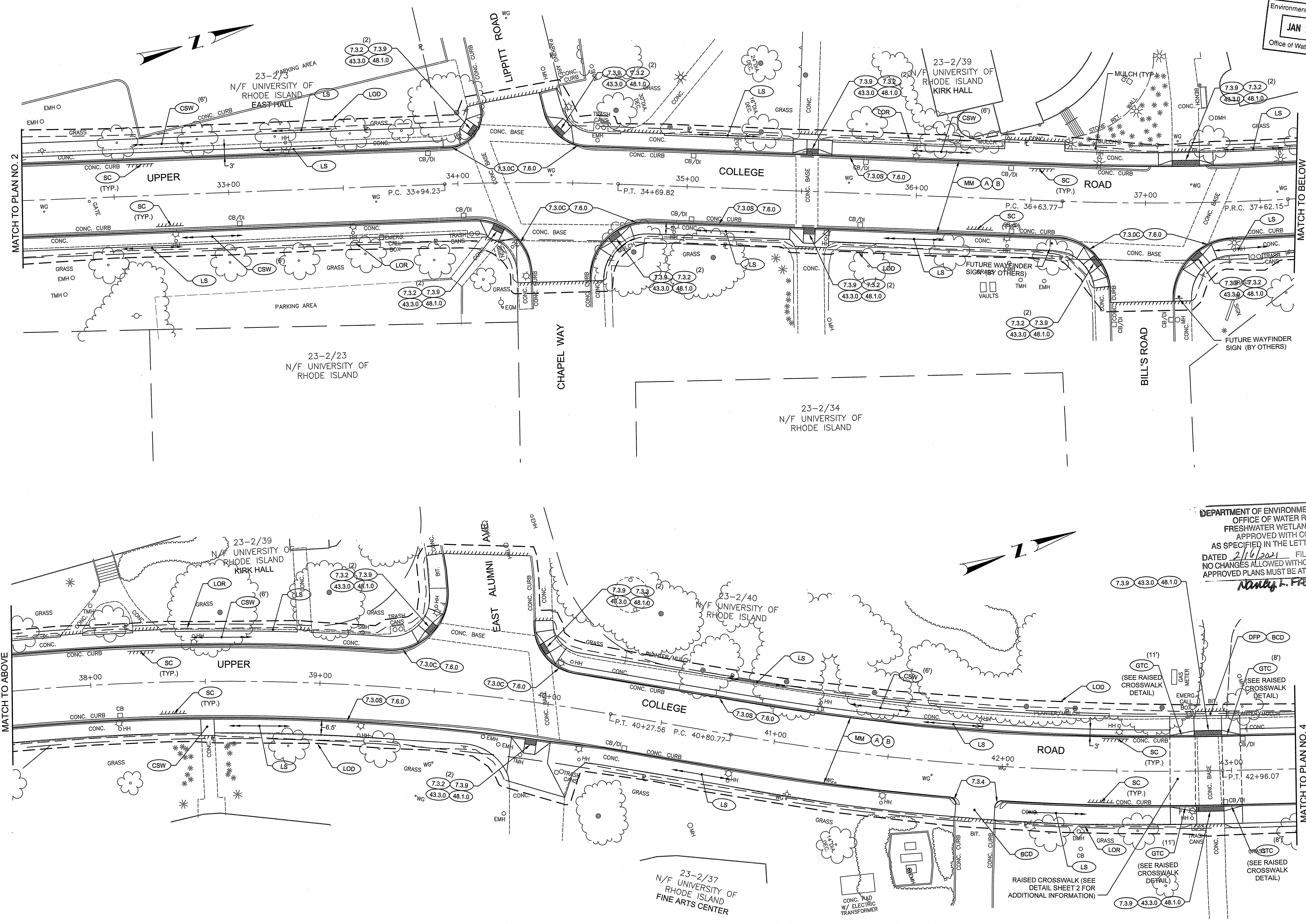
DRAWING TITLE
GENERAL PLAN 2

PROJECT NO.: 1884
DATE: JANUARY 2021
SCALE: 1" = 20'
DRAWN BY: JLH
CHECKED BY: TAR
DRAWING NUMBER
9
SHEET 9 OF 30

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Pawtucket, Rhode Island



NO.	DATE	REVISIONS	BY



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Anthony J. Ferrara

PROJECT
**UPPER COLLEGE ROAD
 RECONSTRUCTION**

TODD A. RAVENELLE
 No. 5928
 REGISTERED PROFESSIONAL ENGINEER

CLIENT
UNIVERSITY OF RHODE ISLAND

Gordon R. Archibald, Inc.
 Civil and Environmental Engineers
 Pawtucket, Rhode Island

DRAWING TITLE
GENERAL PLAN 3

NO.	DATE	REVISIONS	BY

PROJECT NO.: 1884

DATE: JANUARY 2021

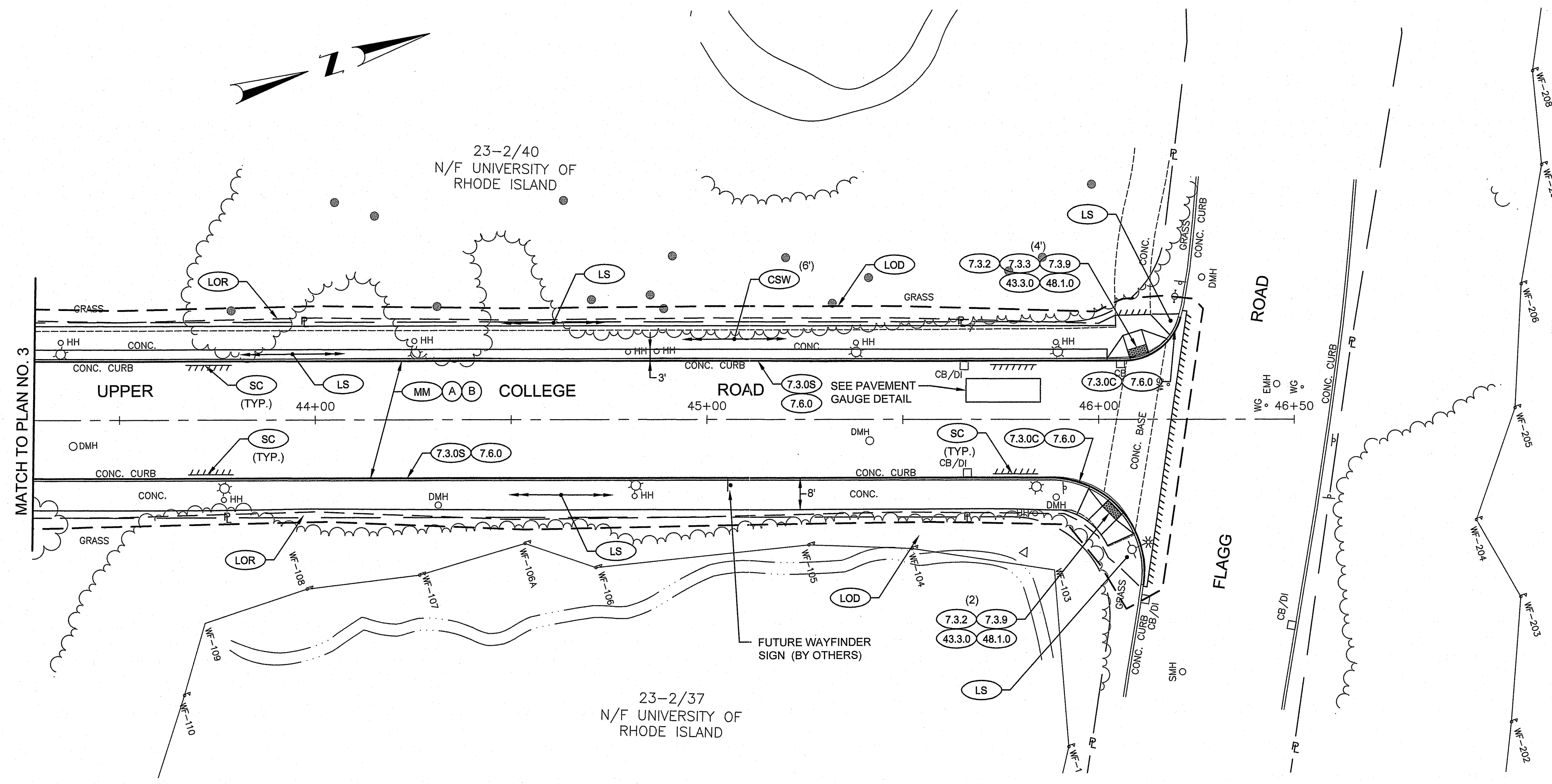
SCALE: 1" = 20'

DRAWN BY: JLH

CHECKED BY: TAR

DRAWING NUMBER
10
 SHEET 10 OF 30

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Environmental Management
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PROJECT
UPPER COLLEGE ROAD RECONSTRUCTION

TODD A. RAVENELLE
 No. 5928
 REGISTERED PROFESSIONAL ENGINEER

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UNIVERSITY OF RHODE ISLAND

Gordon R. Archibald, Inc.
 Civil and Environmental Engineers
 Pawtucket, Rhode Island

DRAWING TITLE
GENERAL PLAN 4

NO.	DATE	REVISIONS	BY

PROJECT NO.: 1884

DATE: JANUARY 2021

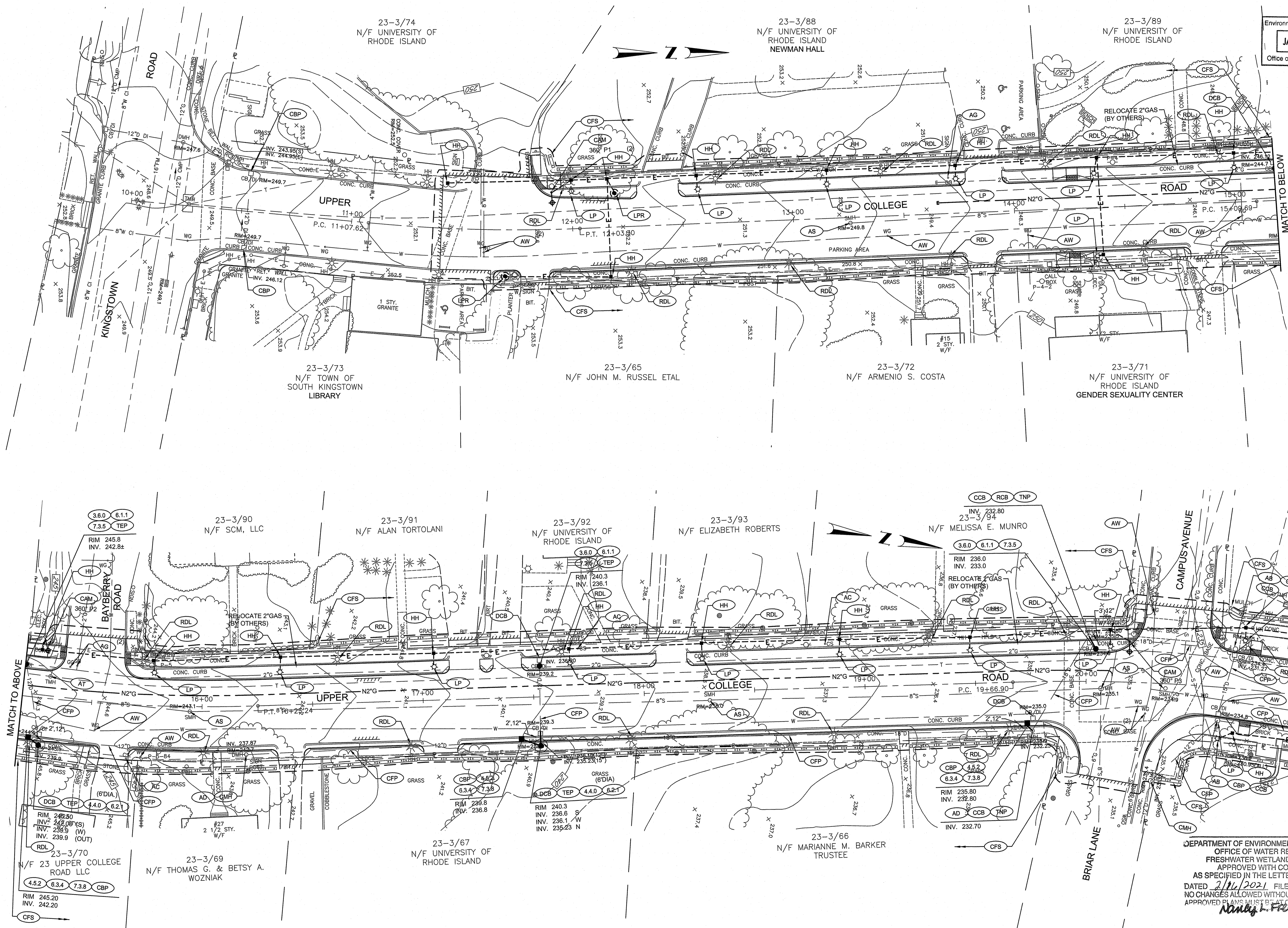
SCALE: 1" = 20'

DRAWN BY: JLH

CHECKED BY: TAR

DRAWING NUMBER
11
 SHEET 11 OF 30

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Nancy L. Freeman



Environmental Management
JAN 19 2021
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PROJECT
**UPPER COLLEGE ROAD
 RECONSTRUCTION**

TODD A. RAVENELLE
 No. 5928
 REGISTERED
 PROFESSIONAL ENGINEER

CLIENT
UNIVERSITY OF RHODE ISLAND

Gordon R. Archibald, Inc.
 Civil and Environmental Engineers
 Pawtucket, Rhode Island

DRAWING TITLE
DRAINAGE & UTILITY PLAN 1

NO.	DATE	REVISIONS	BY

PROJECT NO.: 1884

DATE: JANUARY 2021

SCALE: 1" = 20'

DRAWN BY: JLH

CHECKED BY: TAR

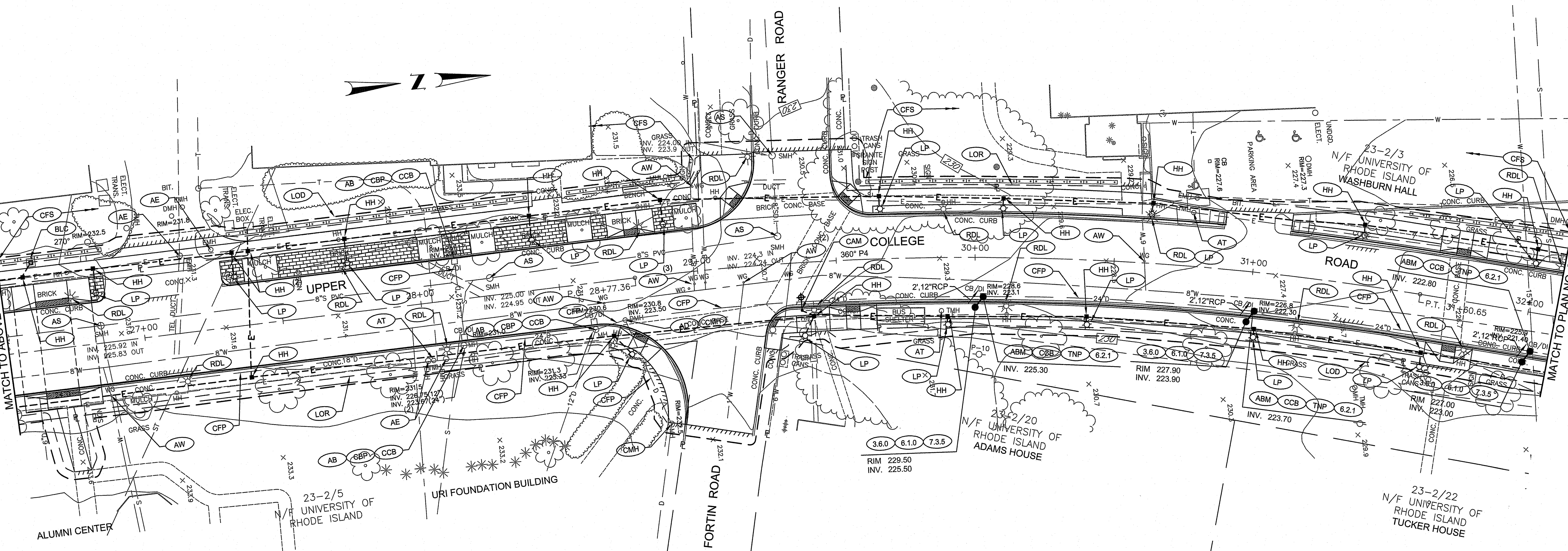
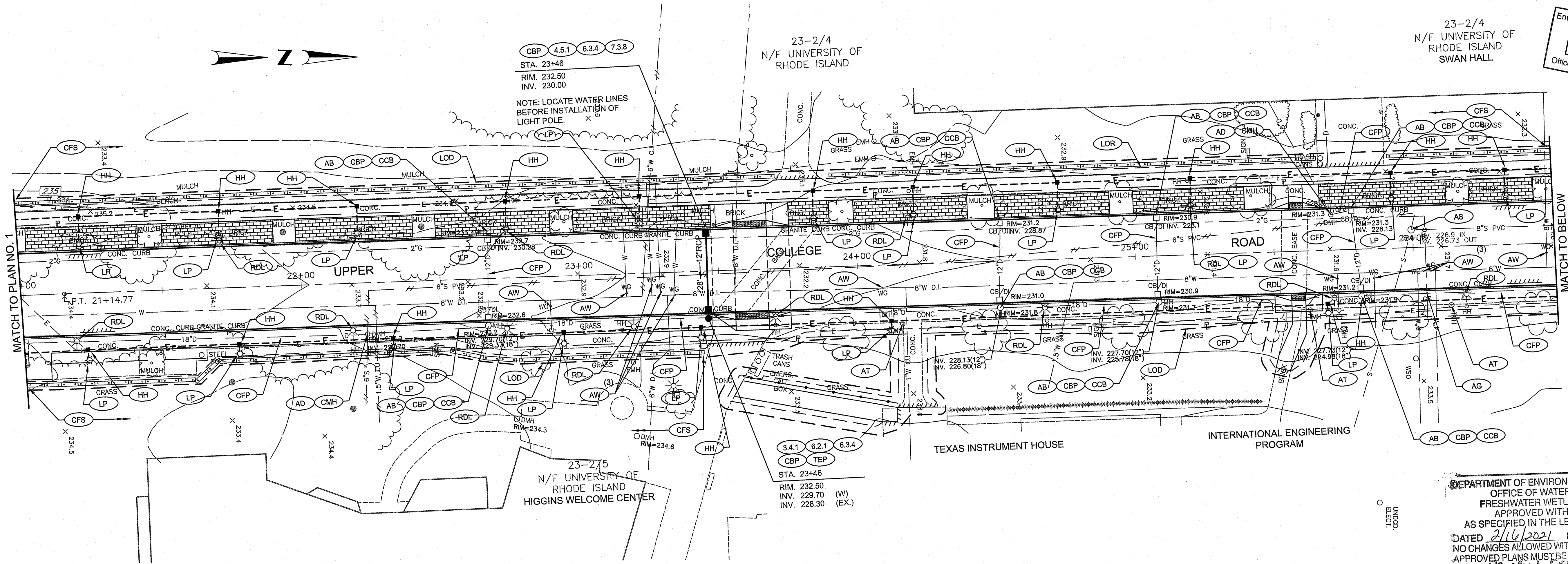
DRAWING NUMBER

12

SHEET 12 OF 30

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23-2/4
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SWAN HALL

Environmental Management
JAN 19 2021
Office of Water Resources

CBP 4.5.1 6.3.4 7.3.8
STA. 23+46
RIM. 232.50
INV. 230.00

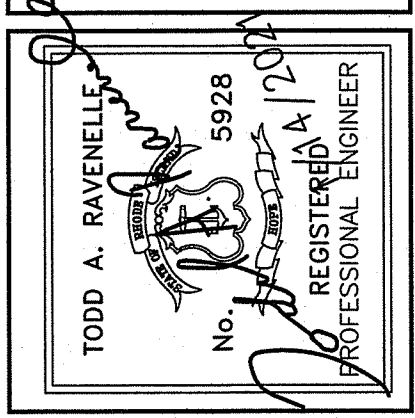
NOTE: LOCATE WATER LINES
BEFORE INSTALLATION OF
LIGHT POLE.

23-2/4
N/F UNIVERSITY OF
RHODE ISLAND

3.4.1 6.2.1 6.3.4
CBP TEP
STA. 23+46
RIM. 232.50
INV. 229.70 (W)
INV. 228.30 (EX.)

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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PROJECT
UPPER COLLEGE ROAD
RECONSTRUCTION



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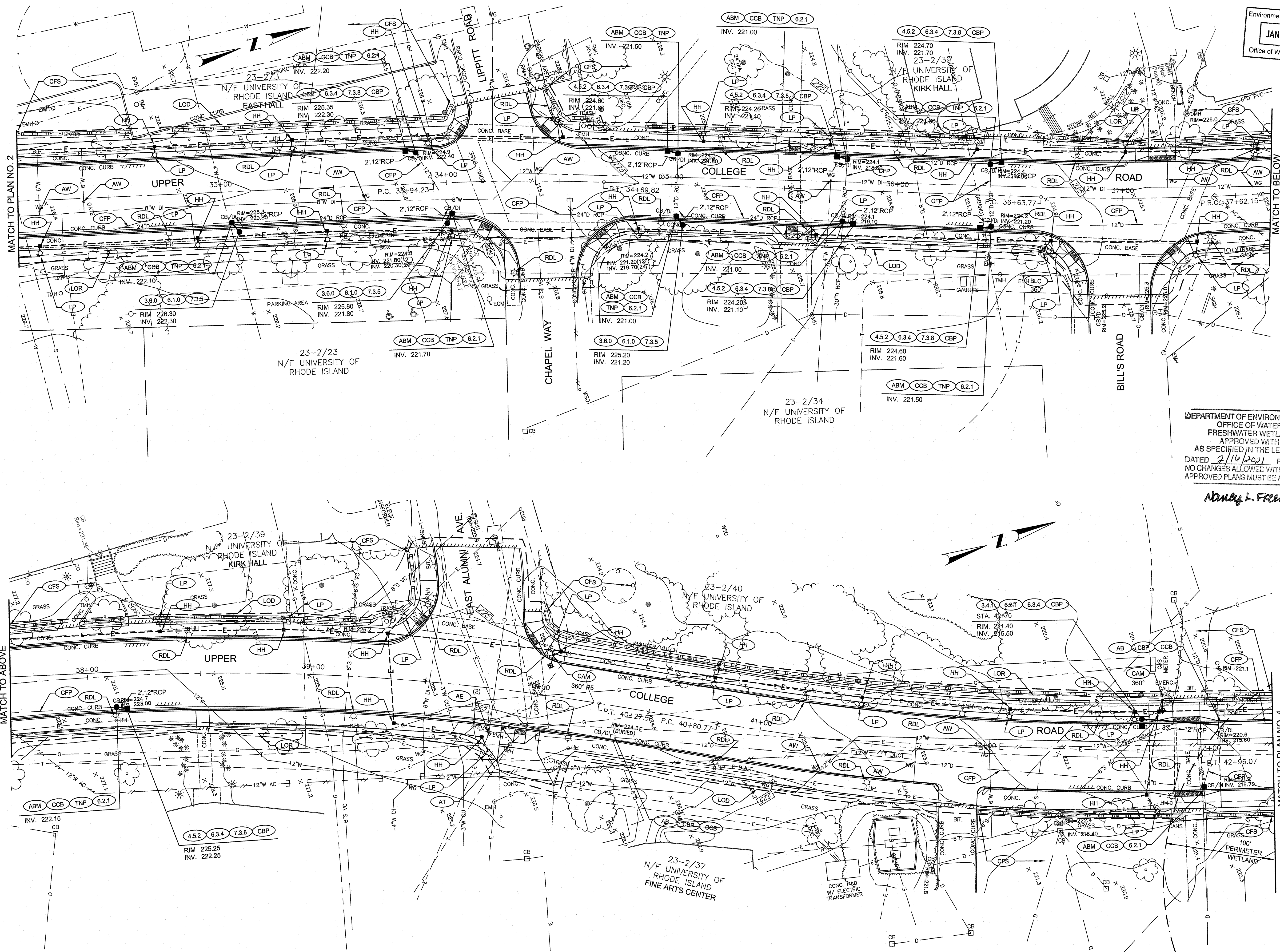
Gordon R. Archibald, Inc.
Civil and Environmental Engineers
Pawtucket, Rhode Island

DRAWING TITLE
DRAINAGE & UTILITY PLAN 2

NO.	DATE	REVISIONS	BY

PROJECT NO.: 1884
DATE: JANUARY 2021
SCALE: 1" = 20'
DRAWN BY: JLH
CHECKED BY: TAR

DRAWING NUMBER
13
SHEET 13 OF 30



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JAN 19 2021
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Nancy L. Freeman

PROJECT

UPPER COLLEGE ROAD RECONSTRUCTION

TODD A. RAVELLE
 No. 5928
 REGISTERED PROFESSIONAL ENGINEER

CLIENT

UNIVERSITY OF RHODE ISLAND

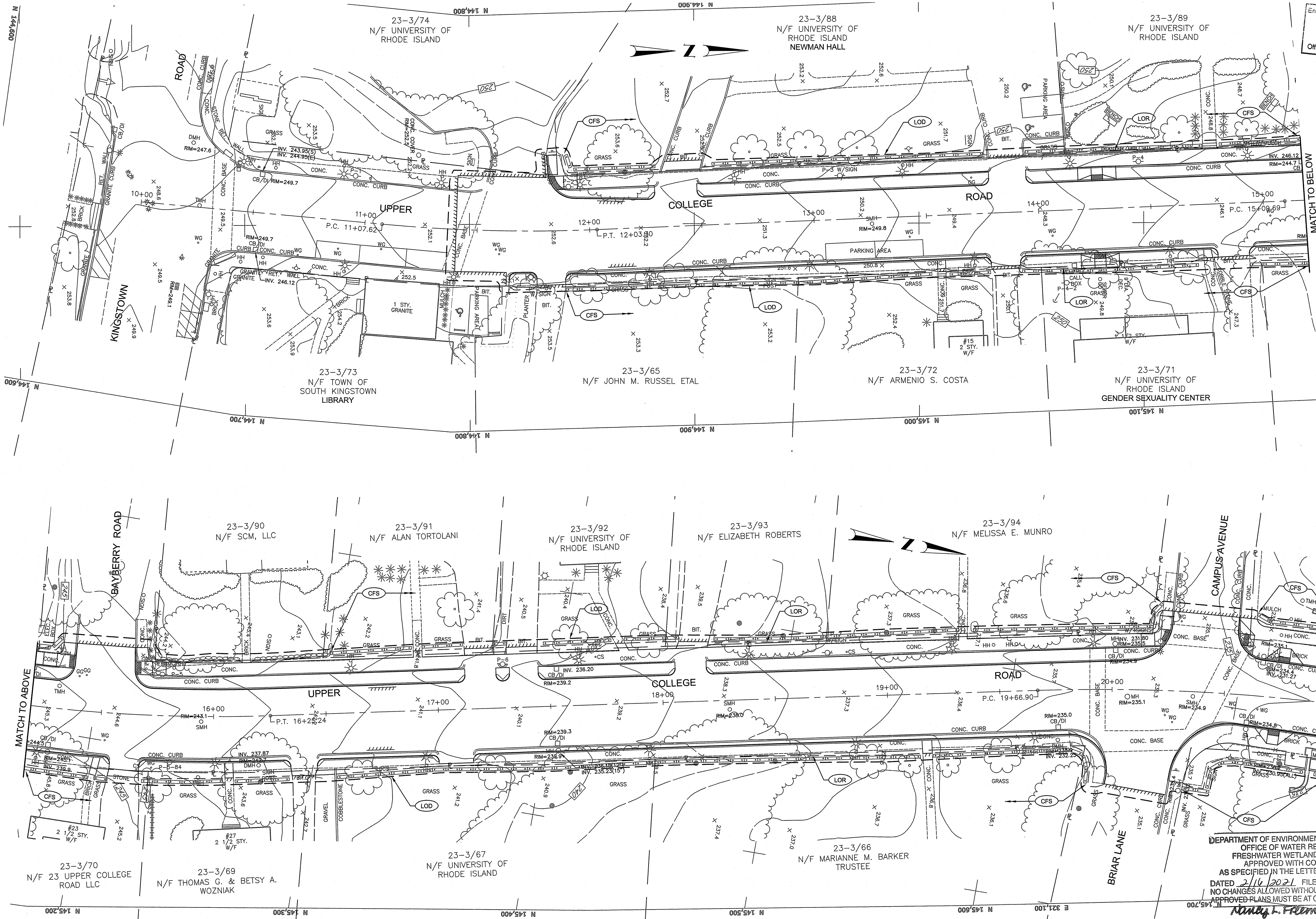
Gordon R. Archibald, Inc.
 Civil and Environmental Engineers
 Pawtucket, Rhode Island

DRAWING TITLE

DRAINAGE & UTILITY PLAN 3

NO.	DATE	REVISIONS	BY

PROJECT NO.: 1884
DATE: JANUARY 2021
SCALE: 1" = 20'
DRAWN BY: JLH
CHECKED BY: TAR
DRAWING NUMBER
14
SHEET 14 OF 30



Environmental Management
JAN 19 2021
 Office of Water Resources

PROJECT
**UPPER COLLEGE ROAD
 RECONSTRUCTION**

TODD A. RAVENELLE
 No. 5928
 REGISTERED PROFESSIONAL ENGINEER

CLIENT
UNIVERSITY OF RHODE ISLAND

Gordon R. Archibald, Inc.
 Civil and Environmental Engineers
 Pawtucket, Rhode Island

DRAWING TITLE
**EROSION AND SEDIMENT
 CONTROL PLAN - 1**

NO.	DATE	REVISIONS	BY

PROJECT NO.: 1884

DATE: JANUARY 2021

SCALE: 1" = 20'

DRAWN BY: JLH

CHECKED BY: TAR

DRAWING NUMBER

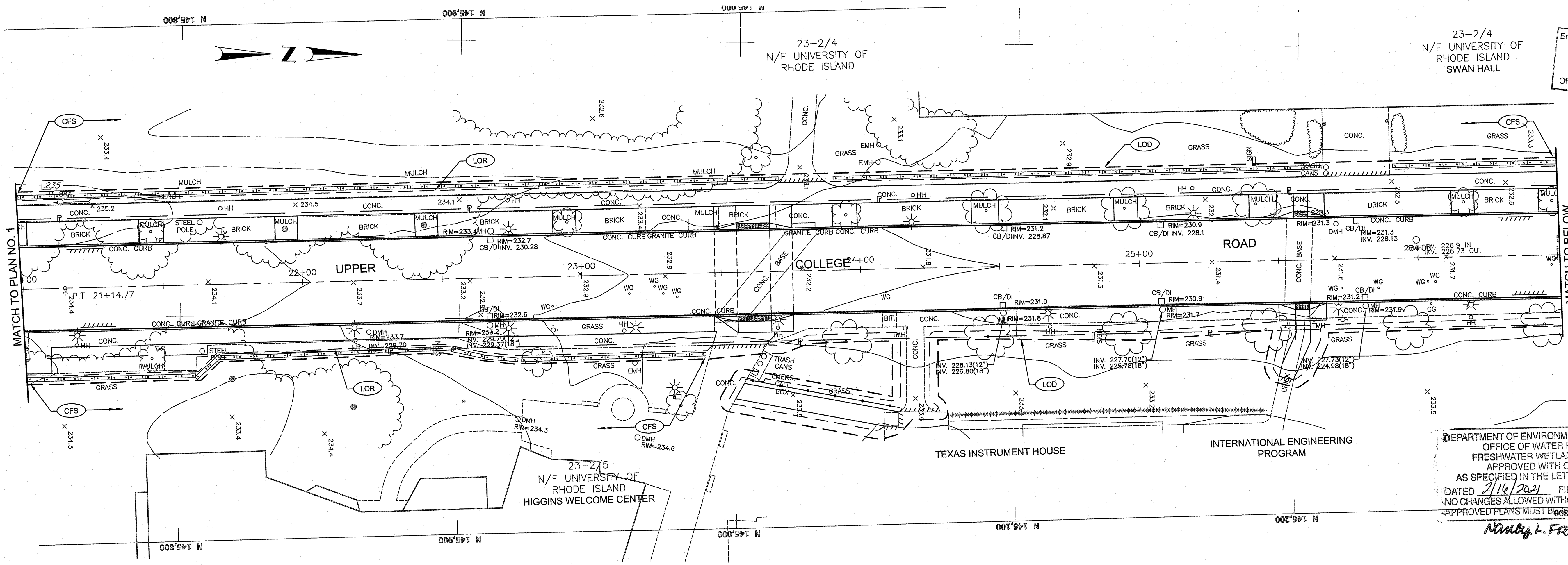
20

SHEET 20 OF 30

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
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Nancy L. Freeman

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JAN 19 2021
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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Nancy L. Freeman

PROJECT
**UPPER COLLEGE ROAD
 RECONSTRUCTION**

TODD A. RAVENELLE
 REGISTERED PROFESSIONAL ENGINEER
 No. 8925

CLIENT
UNIVERSITY OF RHODE ISLAND

Gordon R. Archibald, Inc.
 Civil and Environmental Engineers
 Pawtucket, Rhode Island

DRAWING TITLE
**EROSION AND SEDIMENT
 CONTROL PLAN - 2**

NO.	DATE	REVISIONS	BY

PROJECT NO.: 1884

DATE: JANUARY 2021

SCALE: 1" = 20'

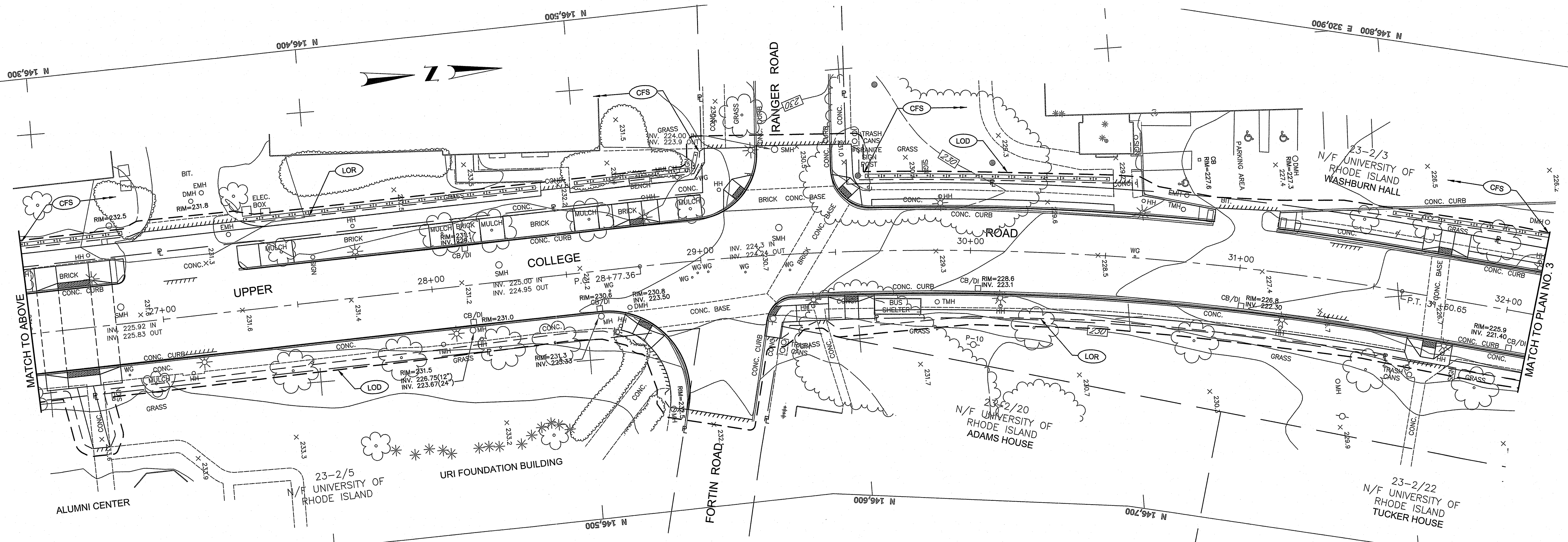
DRAWN BY: JLH

CHECKED BY: TAR

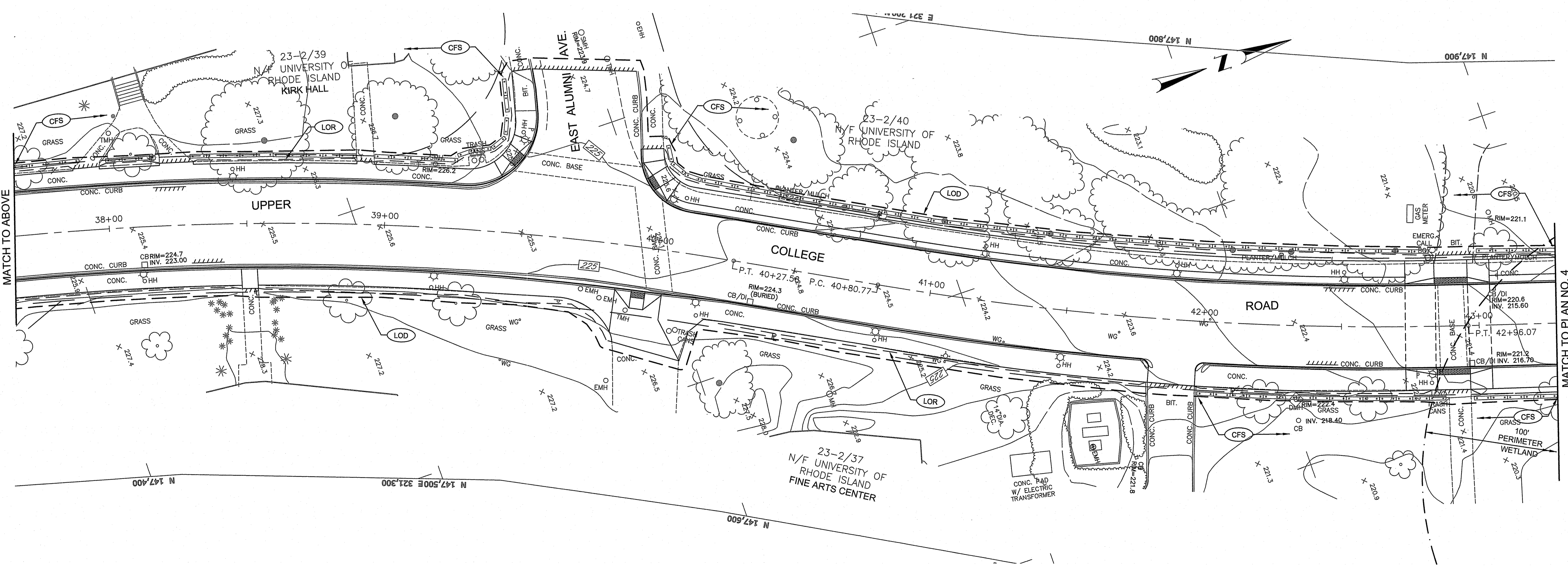
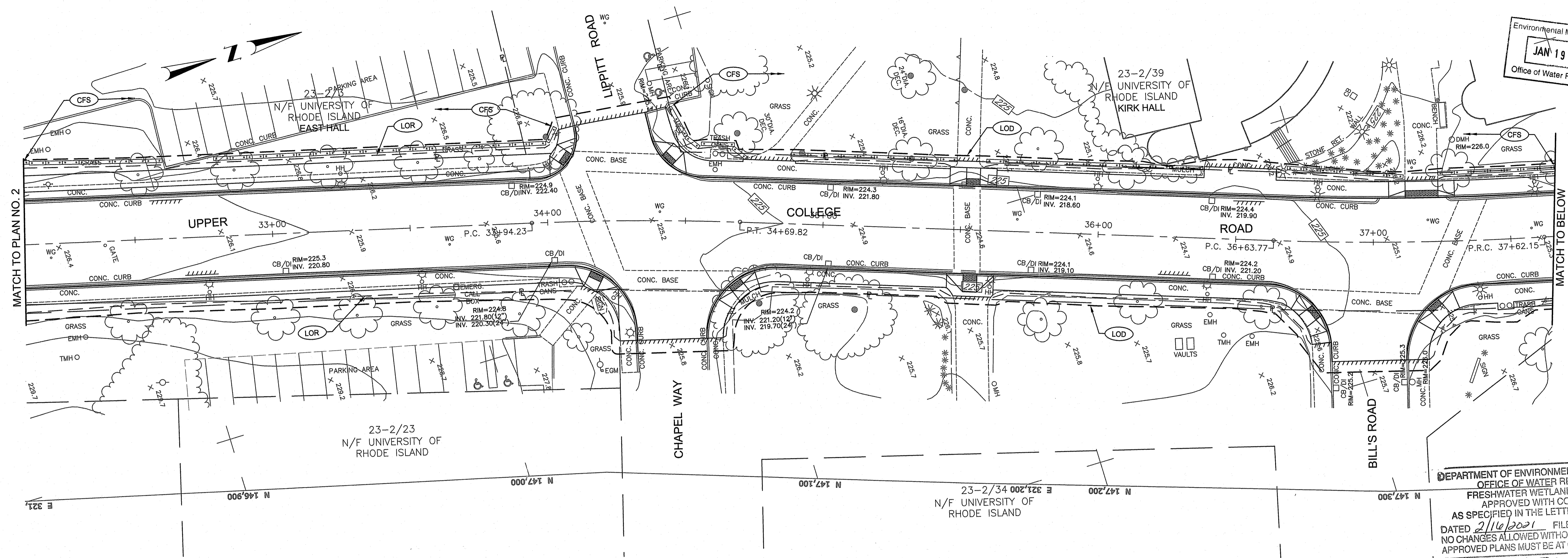
DRAWING NUMBER

21

SHEET 21 OF 30



P:\Projects\2020\Upper College Road Reconstruction\EROSION_CONTROL_PLAN_2.dwg, 1/19/2021 11:22:59 AM, User:



Environmental Management
JAN 19 2021
 Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED 2/16/2021 FILE # 20-0247
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman

PROJECT
**UPPER COLLEGE ROAD
 RECONSTRUCTION**

TODD A. RAVENELLE
 No. 5928
 REGISTERED PROFESSIONAL ENGINEER

CLIENT
UNIVERSITY OF RHODE ISLAND

Gordon R. Archibald, Inc.
 Civil and Environmental Engineers
 Pawtucket, Rhode Island

DRAWING TITLE
**EROSION AND SEDIMENT
 CONTROL PLAN - 3**

NO.	DATE	REVISIONS	BY

PROJECT NO.: 1884

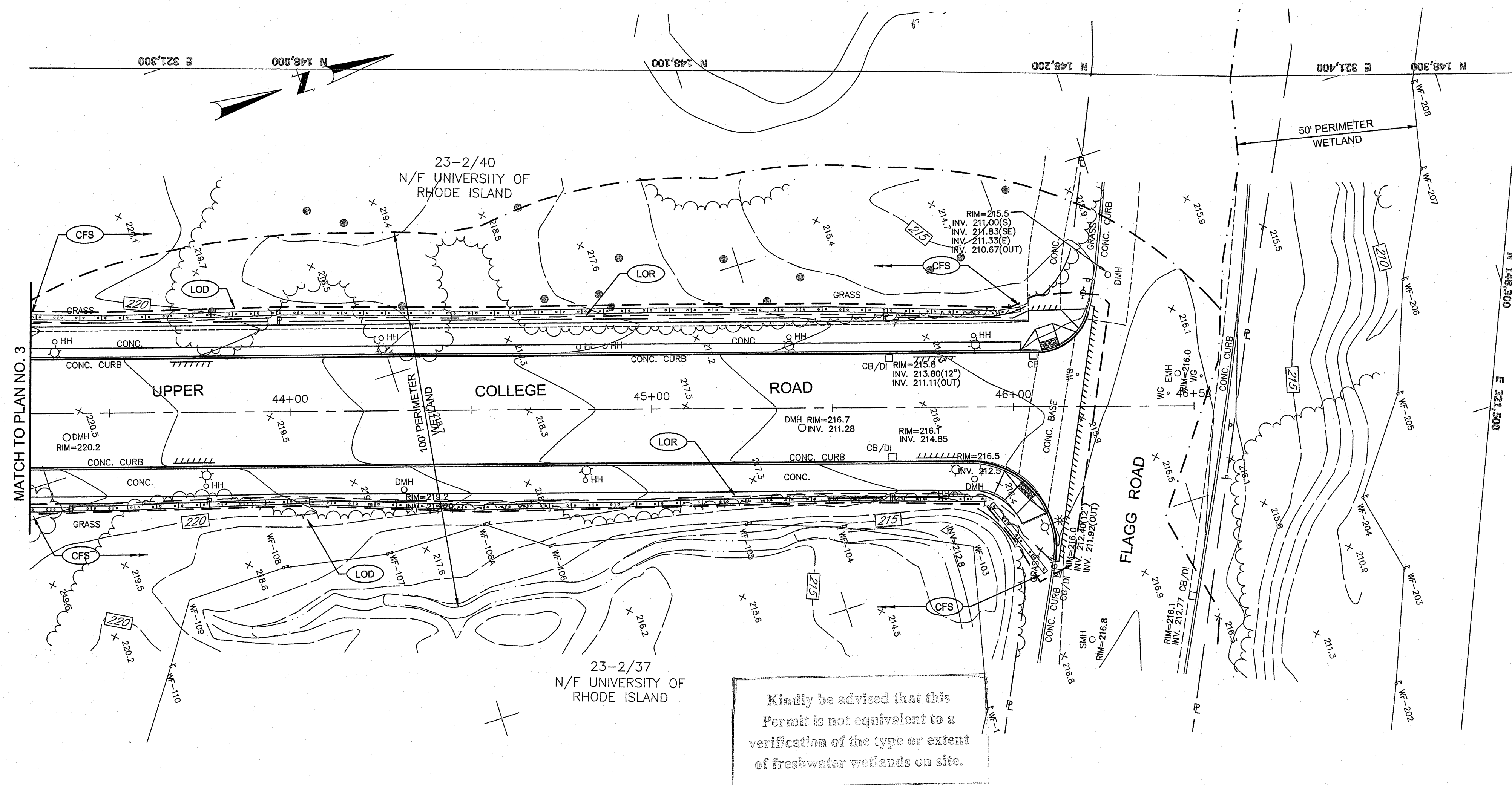
DATE: JANUARY 2021

SCALE: 1" = 20'

DRAWN BY: JLH

CHECKED BY: TAR

DRAWING NUMBER
22
 SHEET 22 OF 30



Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

Environmental Management
JAN 19 2021
 Office of Water Resources

PROJECT
**UPPER COLLEGE ROAD
 RECONSTRUCTION**

TODD A. RAVENELLE
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 REGISTERED PROFESSIONAL ENGINEER

CLIENT
UNIVERSITY OF RHODE ISLAND

Gordon R. Archibald, Inc.
 Civil and Environmental Engineers
 Pawtucket, Rhode Island

DRAWING TITLE
**EROSION AND SEDIMENT
 CONTROL PLAN - 4**

NO.	DATE	REVISIONS	BY

PROJECT NO.: 1884

DATE: JANUARY 2021

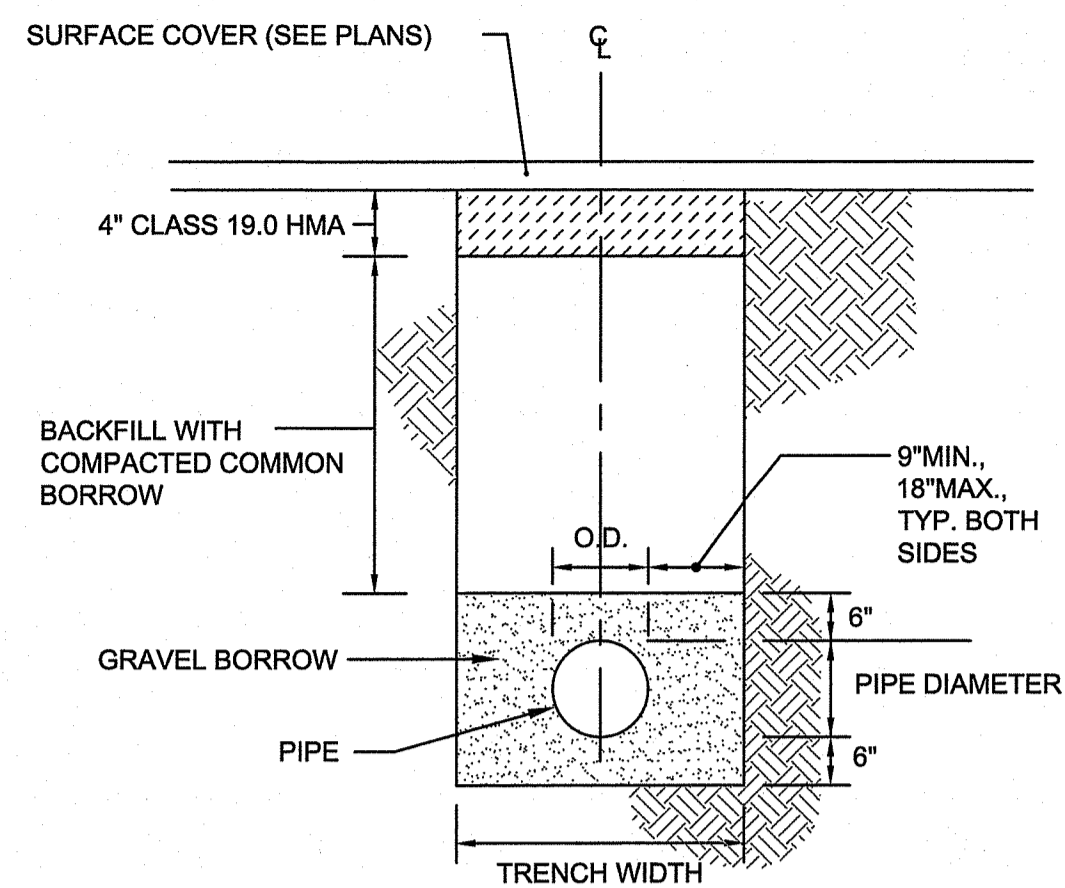
SCALE: 1" = 20'

DRAWN BY: JLH

CHECKED BY: TAR

DRAWING NUMBER
23
 SHEET 23 OF 30

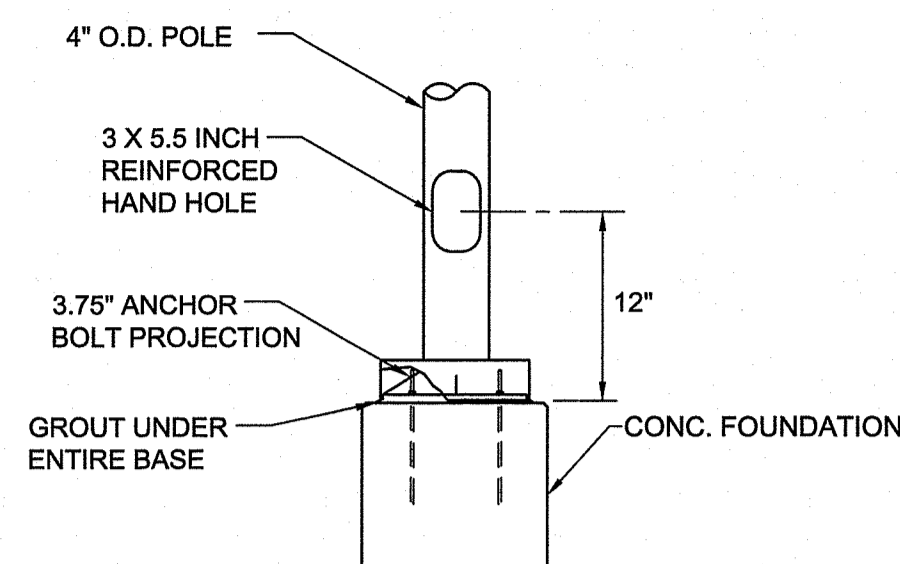
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
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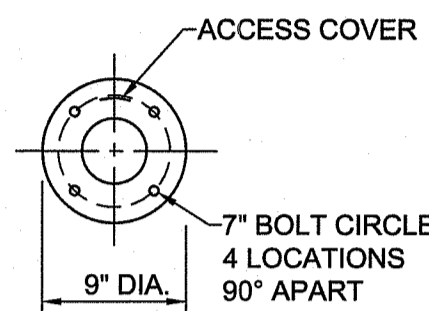
NOTE:
 SUITABLE MATERIAL EXCAVATED FROM THE TRENCH MAY BE USED FOR PIPE BEDDING.

TYPICAL STORM PIPE TRENCH DETAIL

NOT TO SCALE

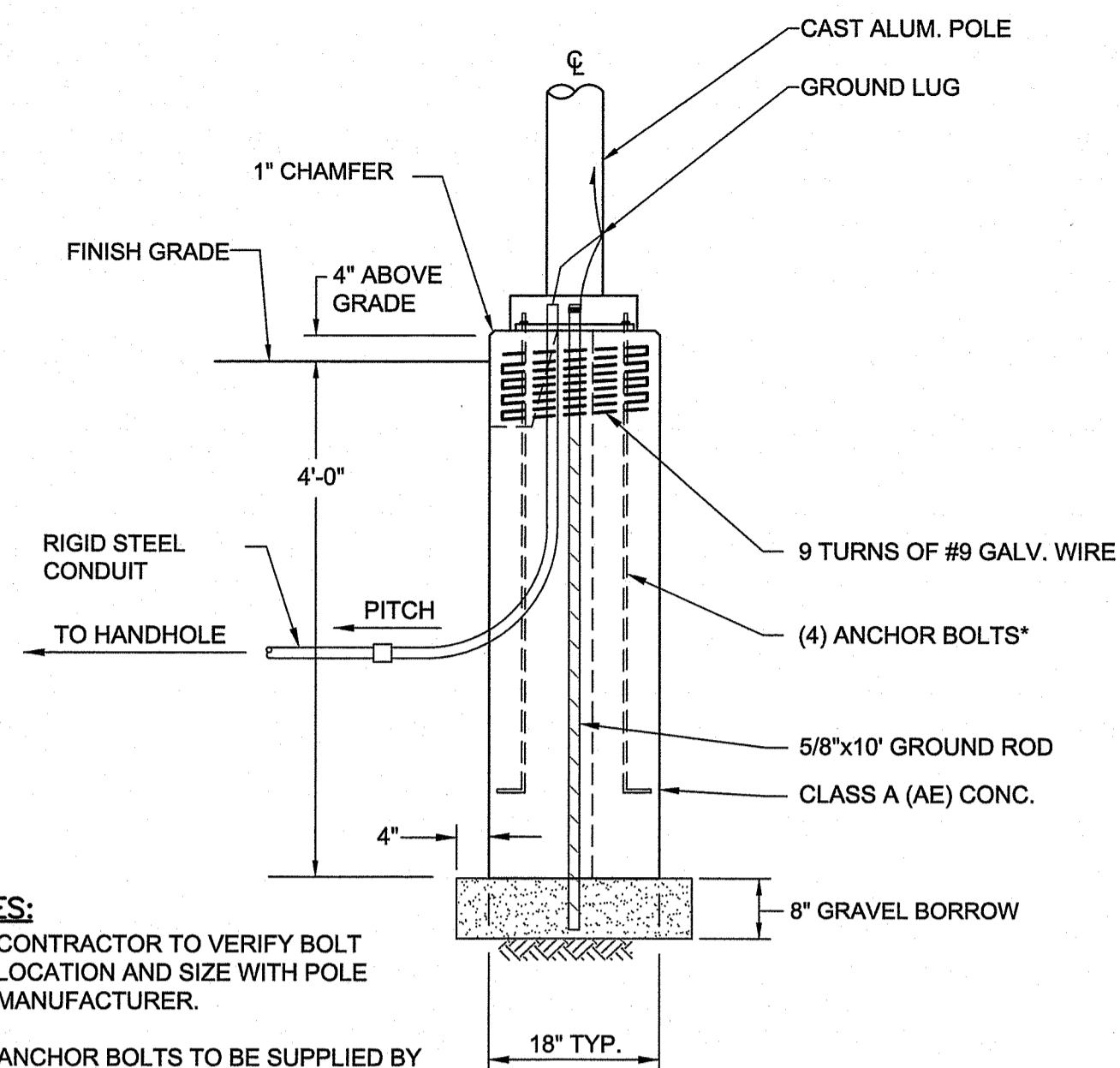


ELEVATION VIEW



BOTTOM VIEW

ALUMINUM POLE

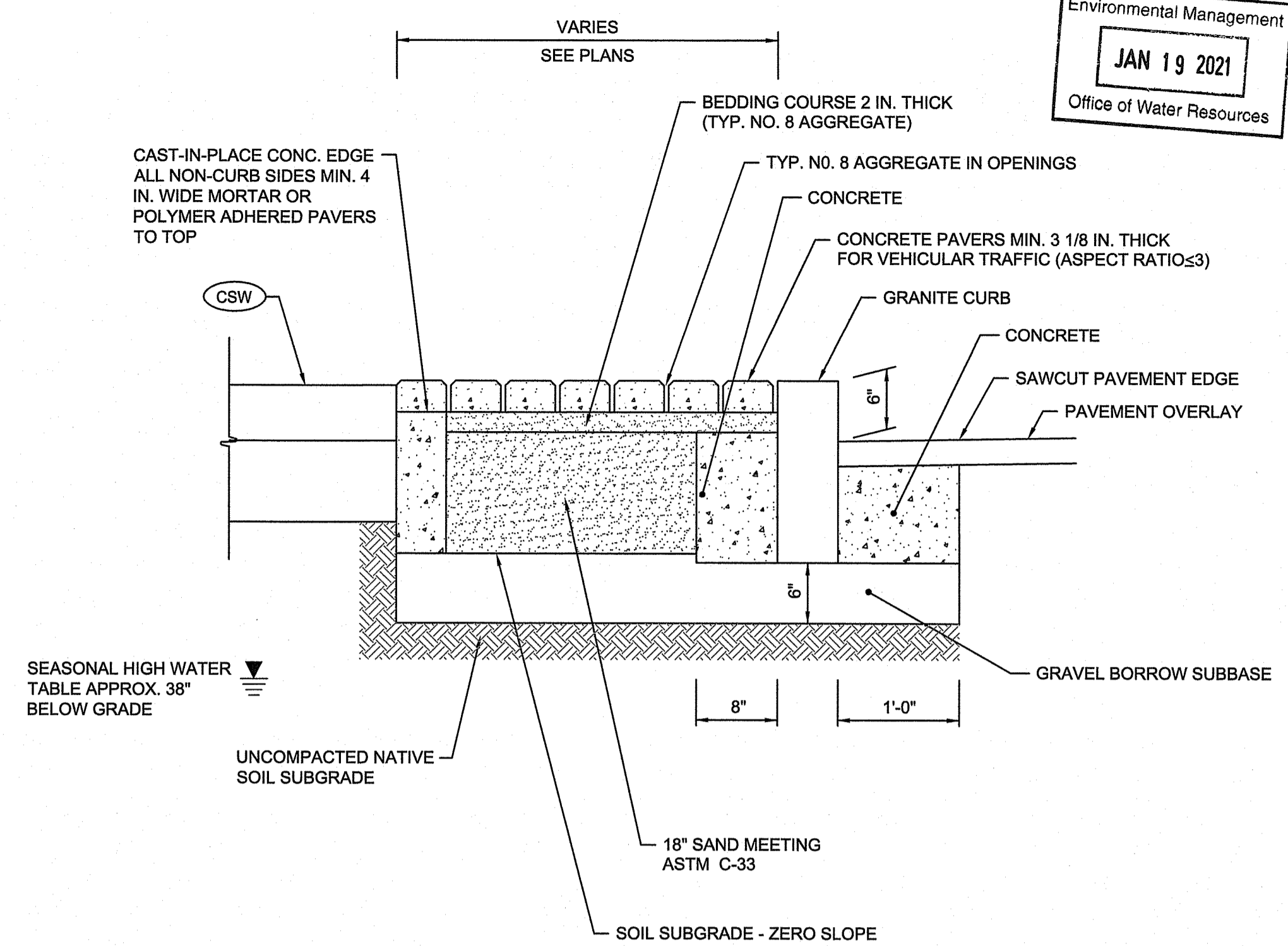


NOTES:

1. CONTRACTOR TO VERIFY BOLT LOCATION AND SIZE WITH POLE MANUFACTURER.
2. ANCHOR BOLTS TO BE SUPPLIED BY POLE/LUMINAIRE MANUFACTURER.
3. REFER TO ELECTRICAL PLANS FOR CONNECTION DETAILS.

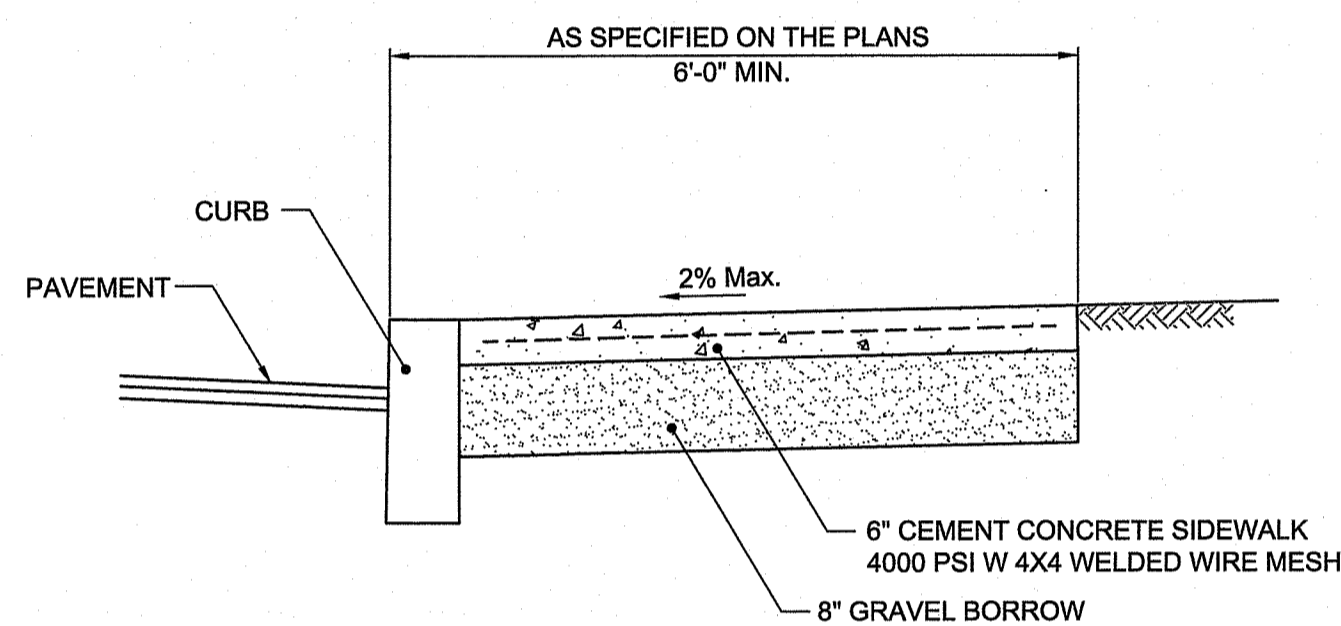
DECORATIVE LIGHT POLE FOUNDATION

NOT TO SCALE



PERMEABLE PAVERS & FILTERING SYSTEM

NOT TO SCALE

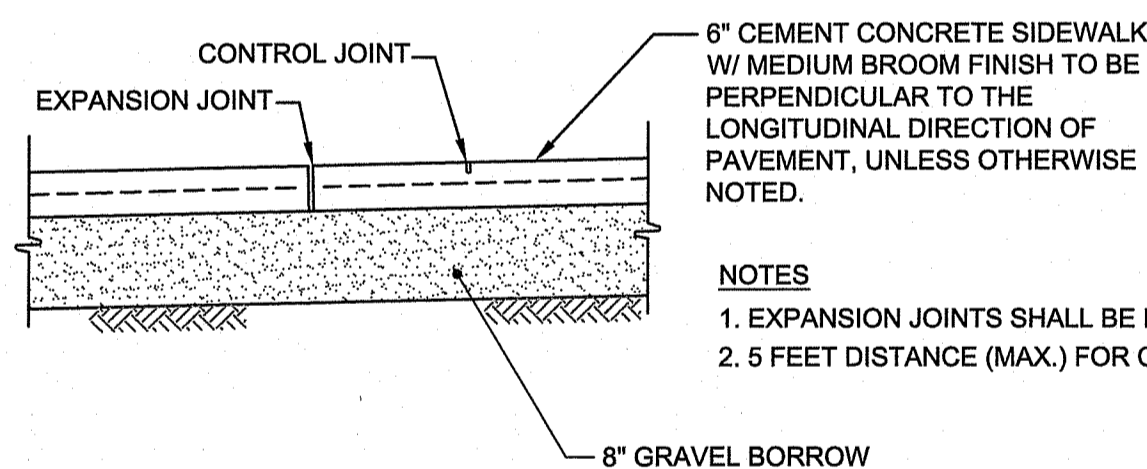


NOTES:

1. SHALL BE IN ACCORDANCE WITH SECTION 905 OF THE R.I. STANDARD SPECIFICATIONS.
2. FOR CURB SETTING DETAIL REFERENCE (CSD1) & (CSD2)
3. ALL JOINTS TO BE TOOLED.

6" CEMENT CONCRETE SIDEWALK (CSW)

N.T.S.

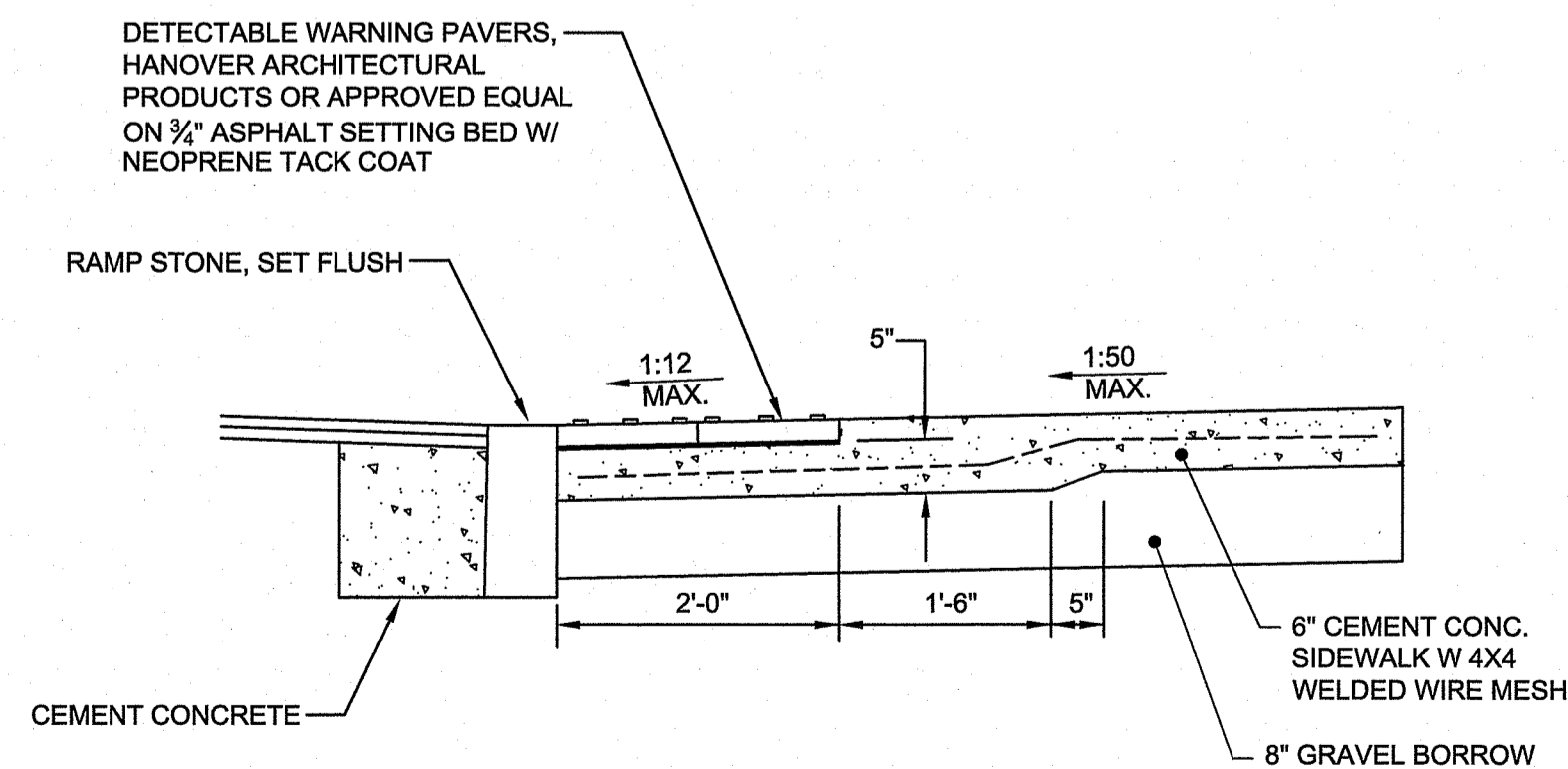


NOTES:

1. EXPANSION JOINTS SHALL BE PLACED EVERY 20 FEET (MIN.)
2. 5 FEET DISTANCE (MAX.) FOR CONTRACTION JOINTS.

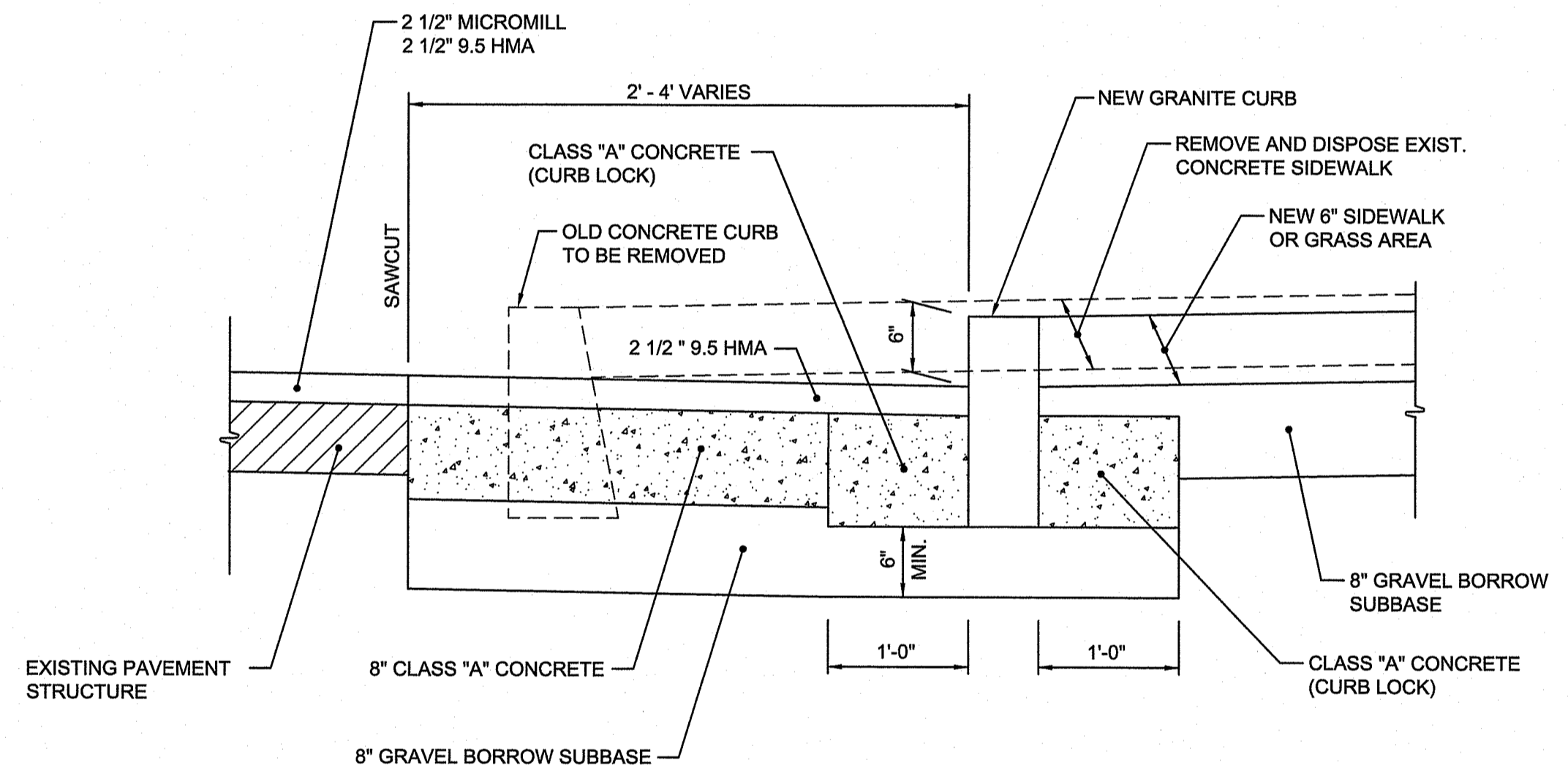
CONCRETE JOINT DETAIL

N.T.S.



DETECTABLE WARNING PAVER SETTING DETAIL

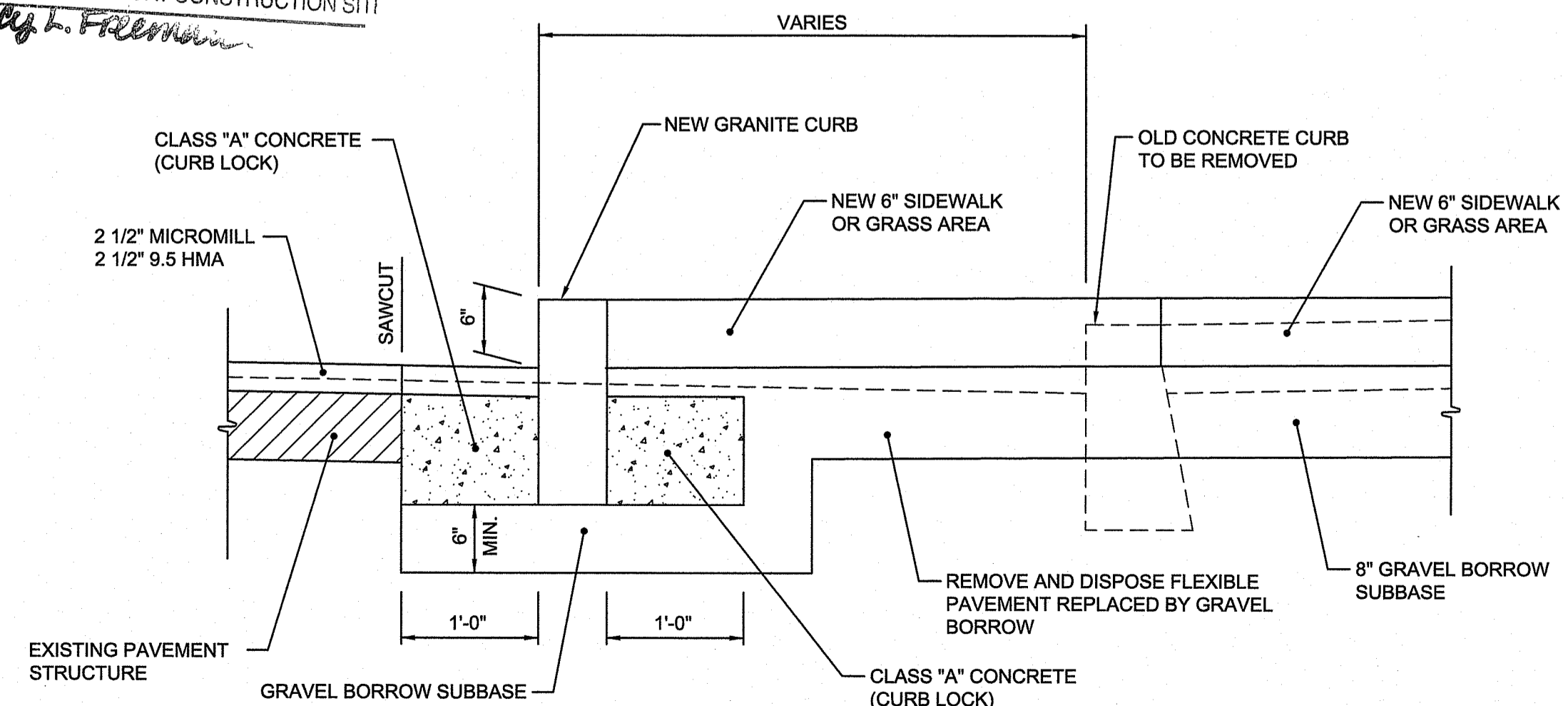
N.T.S.



CURB SETTING DETAIL - 1 (CSD1)

STA. 11+60 - STA. 20+00 RT. ±
 STA. 29+30 - STA. 46+00 RT. ±
 STA. 29+60 - STA. 46+00 LT. ±
 NOT TO SCALE

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CURB SETTING DETAIL - 2 (CSD2)

STA. 11+30 - STA. 20+20 LT. ±
 NOT TO SCALE

Environmental Management
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PROJECT
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CLIENT
UNIVERSITY OF RHODE ISLAND

Gordon R. Archibald, Inc.
 Civil and Environmental Engineers
 Pawtucket, Rhode Island

DRAWING TITLE
DETAILS - 1

NO.	DATE	REVISIONS	BY

PROJECT NO.: 1884

DATE: JANUARY 2021

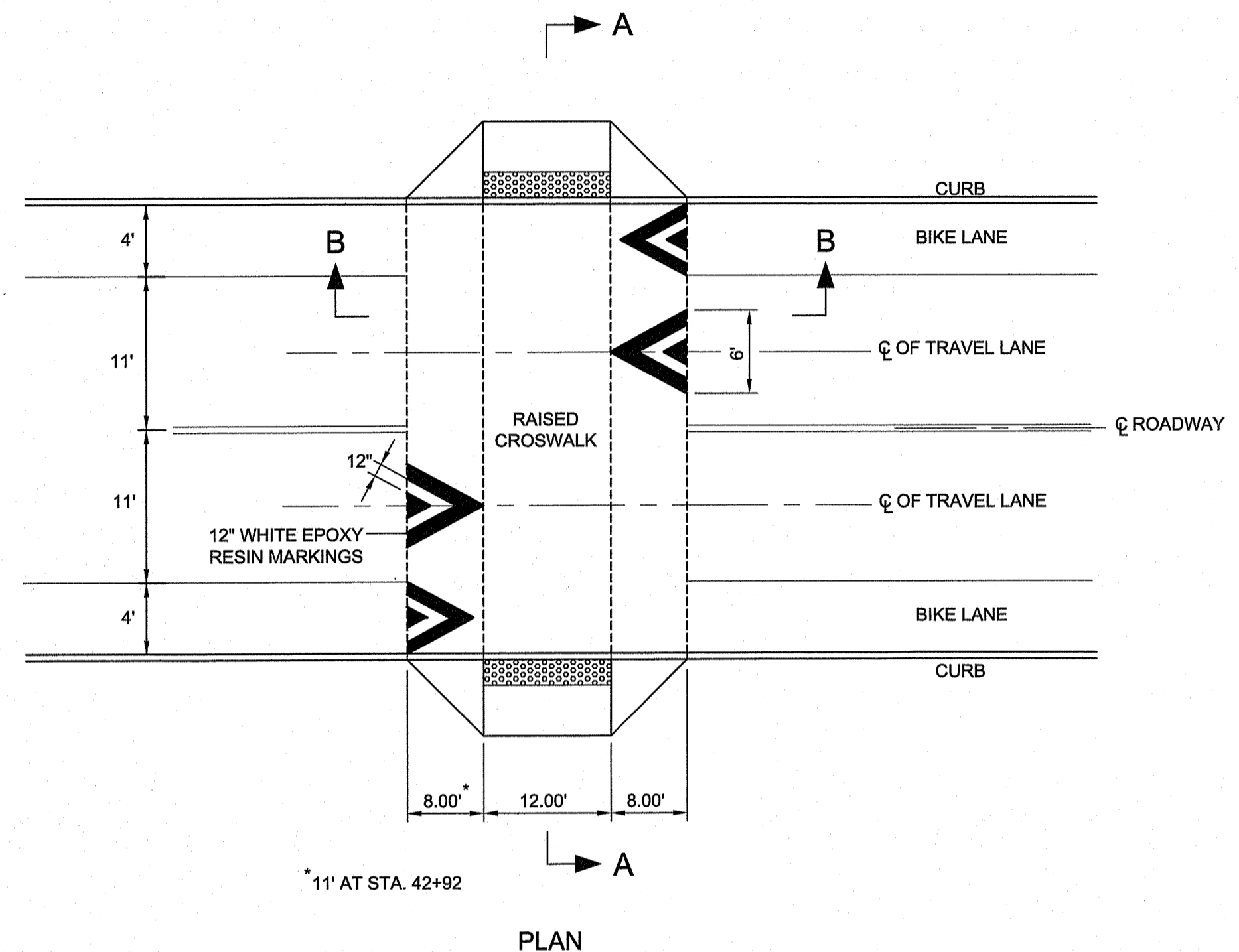
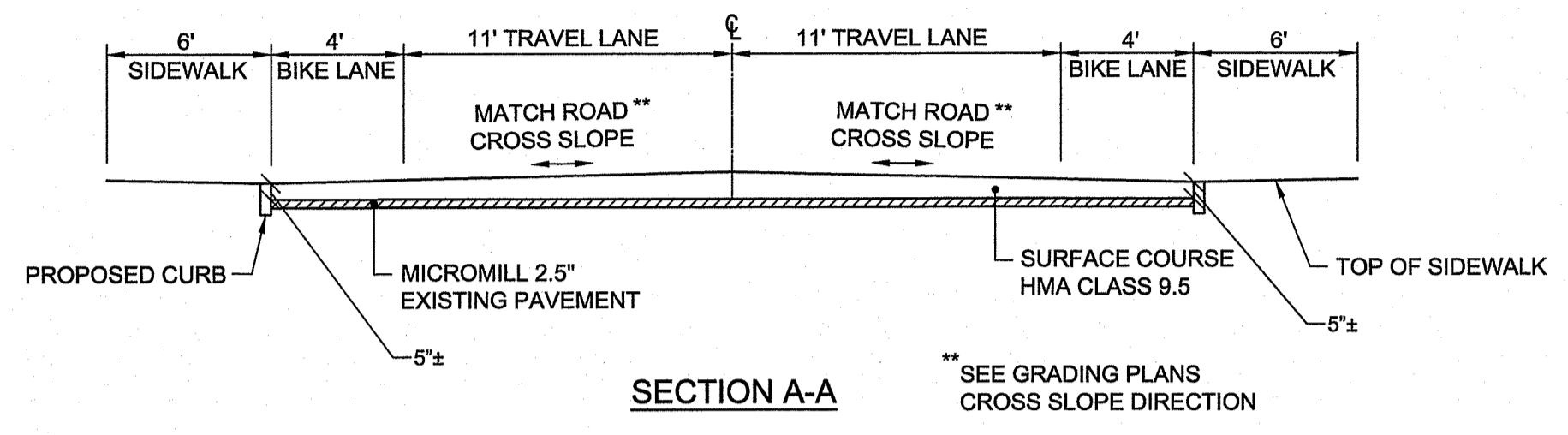
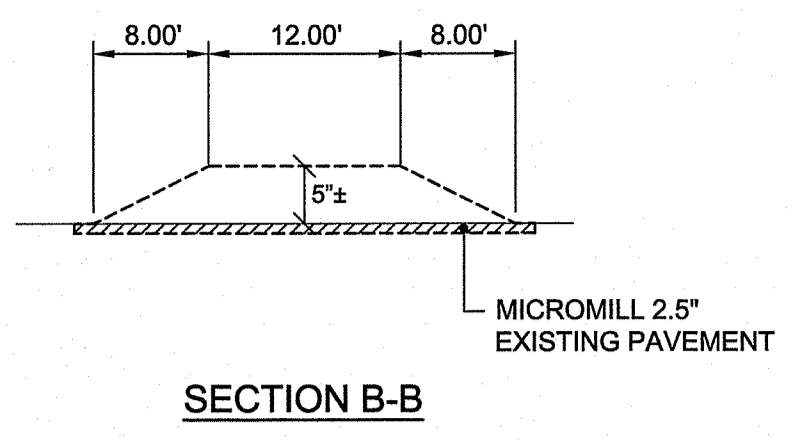
SCALE: AS SHOWN

DRAWN BY: JLH

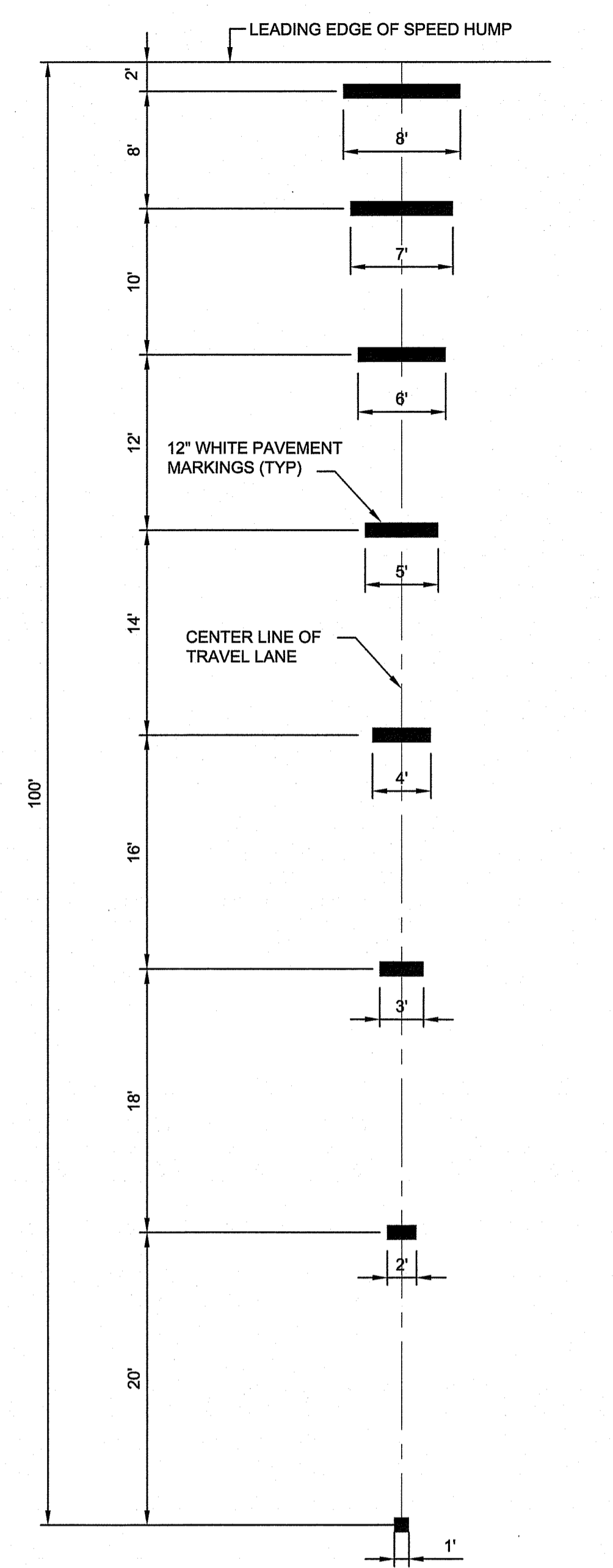
CHECKED BY: TAR

DRAWING NUMBER

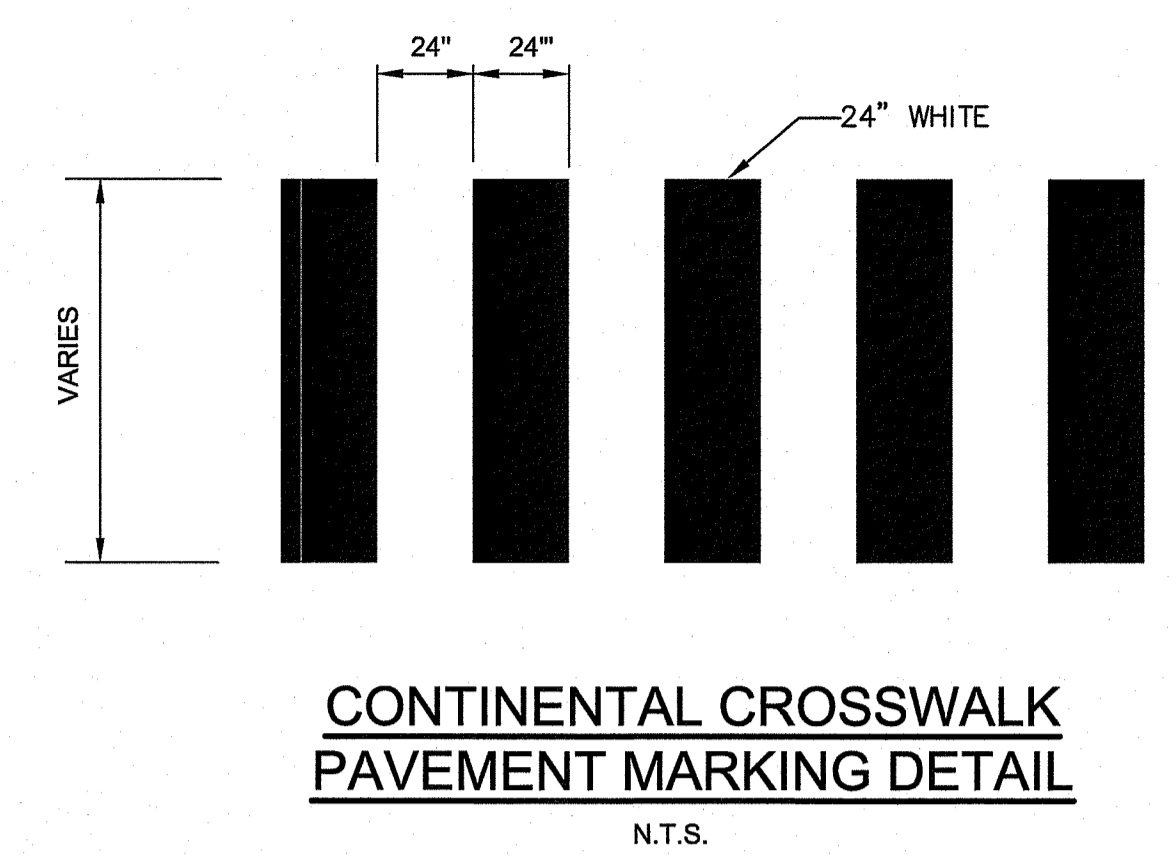
32
 SHEET 20 OF 30



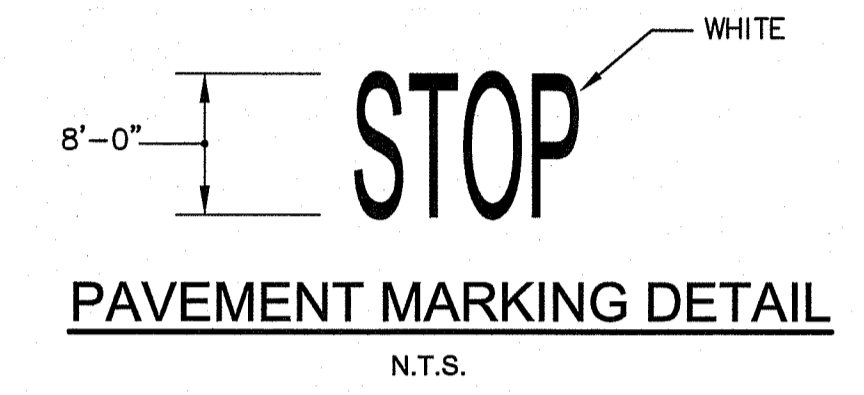
RAISED CROSSWALK
 STA. 23+62
 STA. 26+68
 STA. 42+92
 NOT TO SCALE



SPEED TABLE ADVANCE WARNING MARKINGS
 NOT TO SCALE

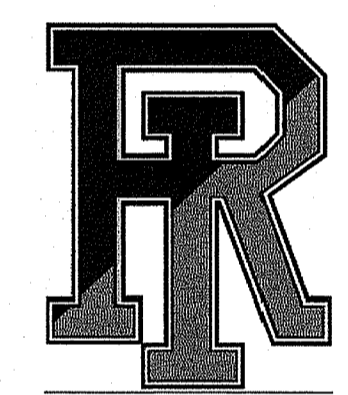


CONTINENTAL CROSSWALK PAVEMENT MARKING DETAIL
 N.T.S.

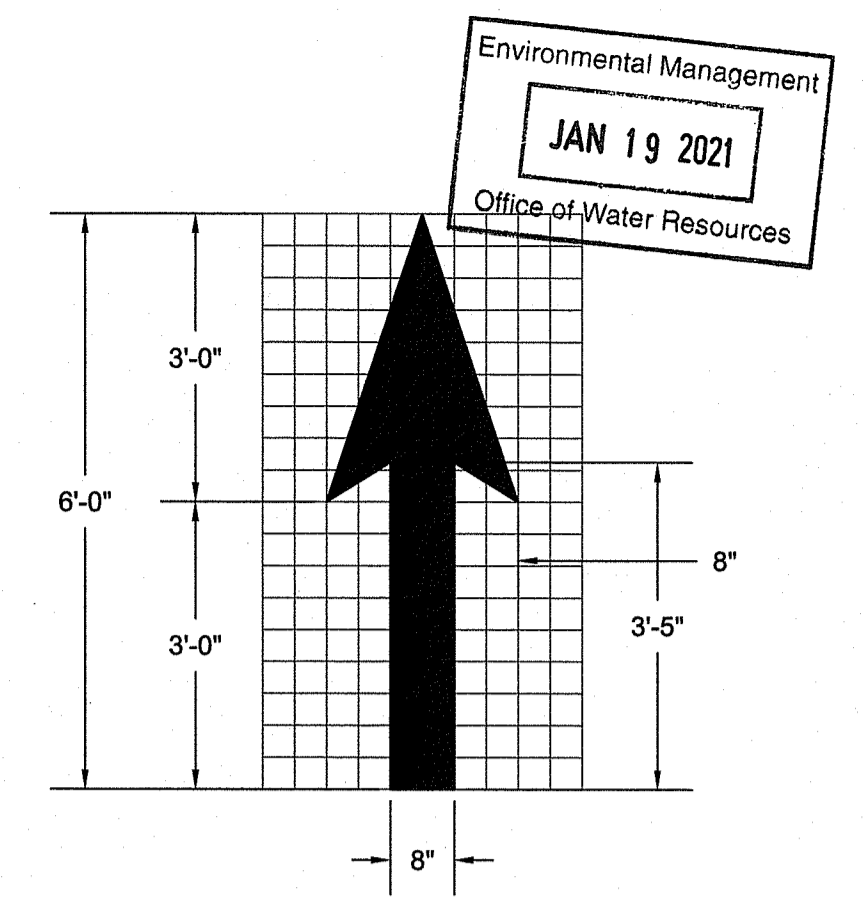


PAVEMENT MARKING DETAIL
 N.T.S.

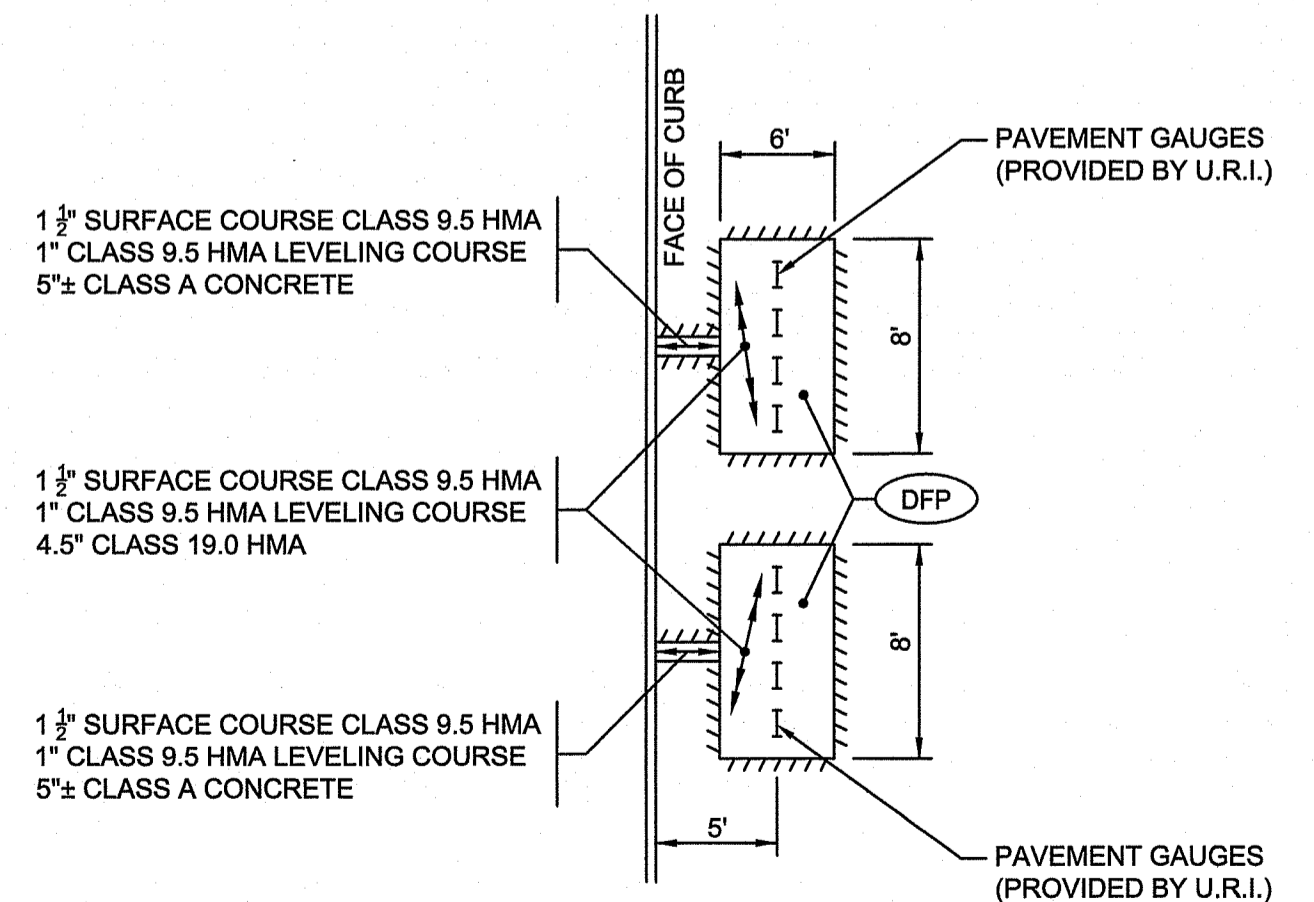
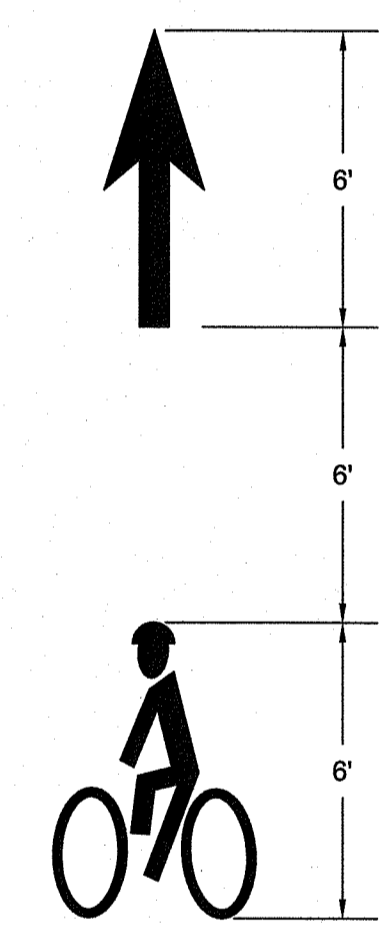
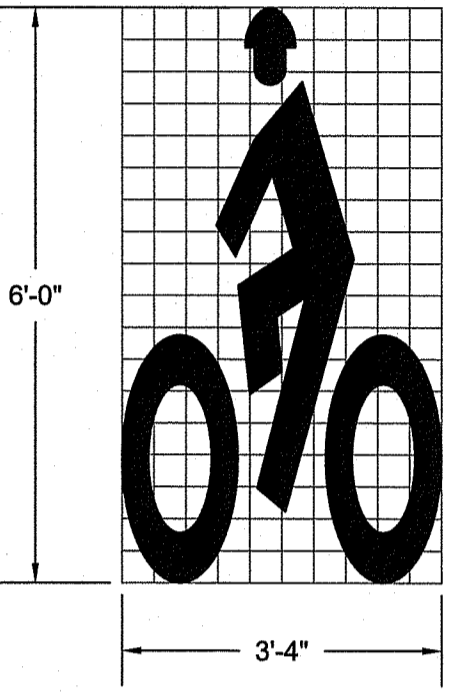
1. THE LOCATION OF THE PAVEMENT MARKING WILL BE AS SHOWN ON PLAN.
2. WORDS SHALL MEET THE REQUIREMENTS OF THE FHWA STANDARD ALPHABET AND SYMBOLS FOR HIGHWAY PAVEMENT MARKINGS.



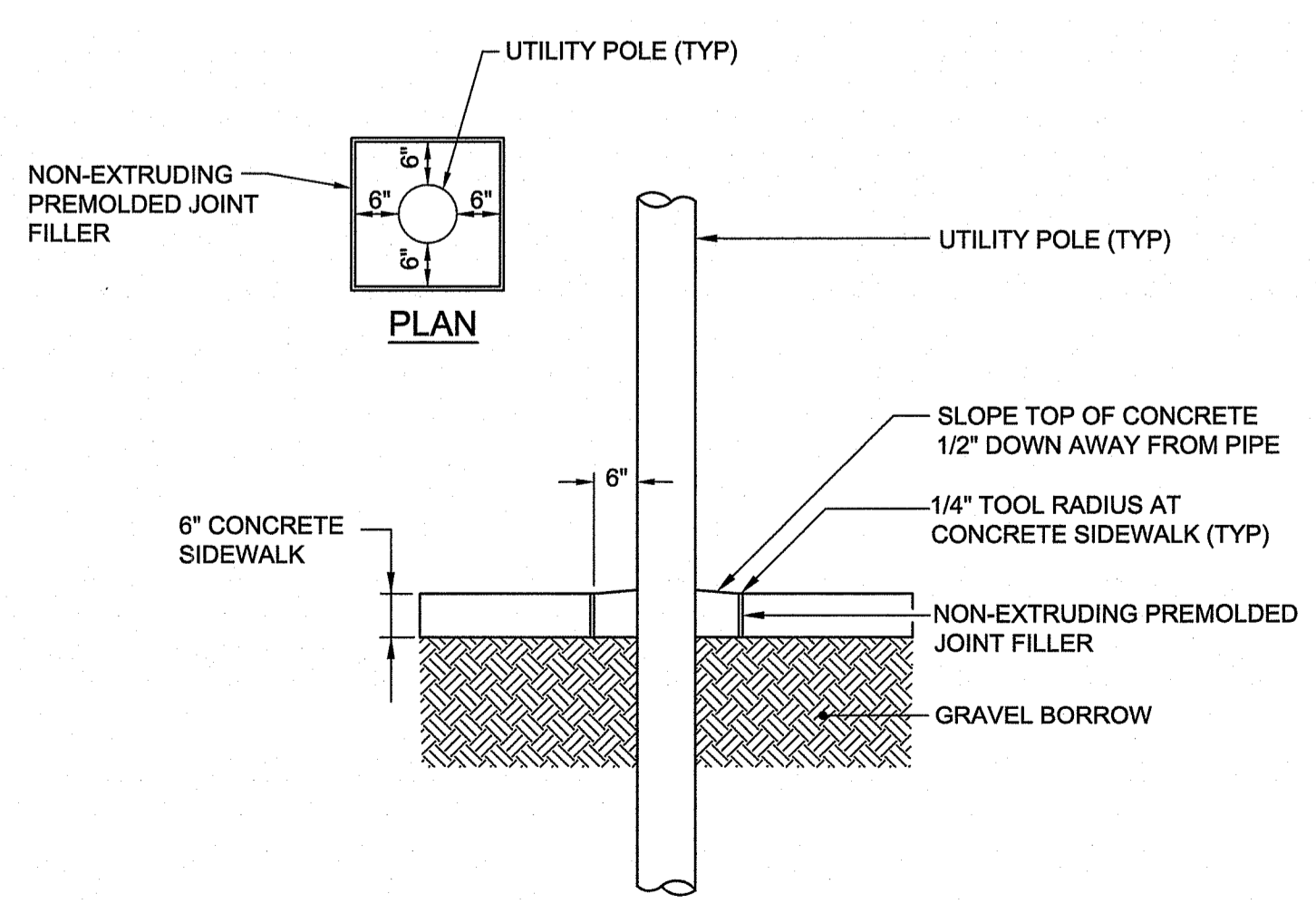
THERMOPLASTIC LOGO DETAIL (TL)
 N.T.S.



HELMETED BICYCLIST PAVEMENT MARKING DETAIL
 NOT TO SCALE



PAVEMENT GAUGE DETAIL
 NOT TO SCALE



CONCRETE SIDEWALK AROUND UTILITY POLE
 NOT TO SCALE

- NOTES:**
1. ALL DIMENSIONS SHOWN ARE APPROXIMATE. ACTUAL DIMENSIONS WILL BE ESTABLISHED DURING CONSTRUCTION BY U.R.I.
 2. THE CONTRACTOR SHALL CONTACT KEN BURKE, ASST. DIRECTOR U.R.I. CAPITAL PROJECTS TEL. 874-5015 SEVENTY TWO (72) HOURS PRIOR TO THE CONTRACTOR PERFORMING ANY WORK NEAR THE PROPOSED GAUGE LOCATIONS.

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ADuly J. Freeman

PROJECT
UPPER COLLEGE ROAD RECONSTRUCTION

CLIENT
UNIVERSITY OF RHODE ISLAND

DRAWING TITLE
DETAILS - 2

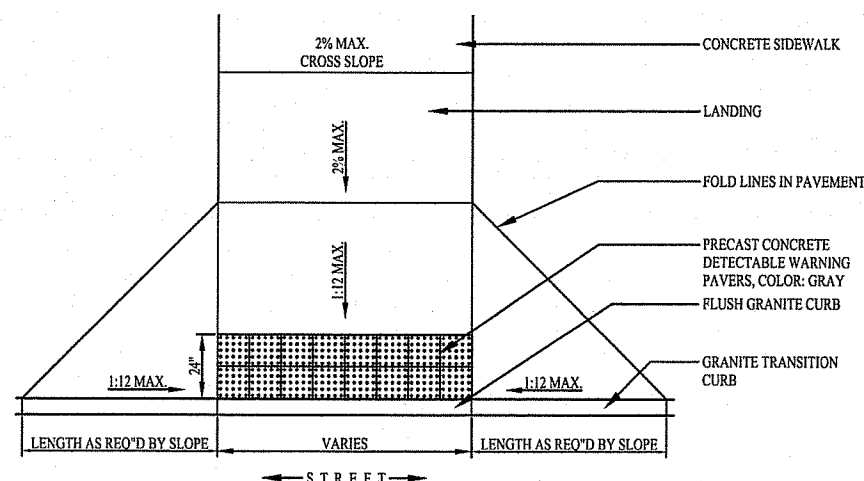
PROJECT NO.: 1884
 DATE: JANUARY 2021
 SCALE: AS SHOWN
 DRAWN BY: JLH
 CHECKED BY: TAR
 DRAWING NUMBER
33
 SHEET 33 OF 64

Environmental Management
 Office of Water Resources
 JAN 19 2021

TODD A. RAVENELLE
 No. 5928
 REGISTERED PROFESSIONAL ENGINEER

Gordon R. Archibald, Inc.
 Civil and Environmental Engineers
 Pawtucket, Rhode Island

NO.	DATE	REVISIONS	BY



DISTRICT:
CAMPUS WIDE

COLOR:
CHORCOAL

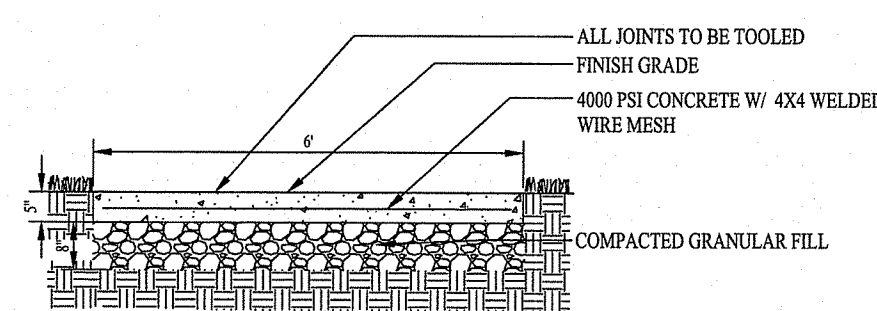
MAKE:

- USE RHODE ISLAND DEPARTMENT OF TRANSPORTATION DETAILS FOR CURB RAMP
- DETECTABLE WARNING PAVERS: HANOVER ARCHITECTURAL PAVERS, OR APPROVED EQUAL

DESIGN NARRATIVE:

- DETECTABLE PAVERS TO BE SET ON A MORTAR BASE
- RADIUS CONDITION AS SHOWN ABOVE TO BE CASE BY CASE BASIS
- TRANSITION CURB MEETS TO BE A MINIMUM OF 6 FEET LONG
- USE POLYURETHANE SEALANT AT JOINTS

CURB RAMPS / DETECTABLE WARNING PAVERS
NOT TO SCALE



DISTRICT:
CAMPUS WIDE

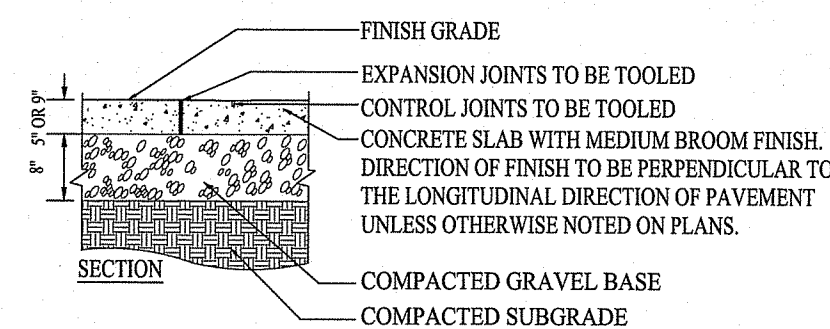
COLOR:
GRAY

MAKE:
CAST IN PLACE CONCRETE

DESIGN NARRATIVE:

- CONCRETE SHALL HAVE WELDED WIRE MESH REINFORCEMENT
- EXPANSION JOINTS SHALL HAVE DOWELS (SEE EXPANSION JOINT DETAIL)
- ALL SCORE JOINTS SHALL BE TOOLED, BRUSHED, AND TOOLED AGAIN TO CREATE "WINDOW PANE" AESTHETIC
- NO RUNNING BOND SCORE JOINT PATTERN WILL BE ACCEPTED
- ALL CONCRETE PAVEMENT SHALL BE SEALED AT TIME OF INITIAL INSTALLATION
- 6-FOOT WIDE PATHS SHALL BE POURED TO A DEPTH OF 5 INCHES
- ADD SILANE-SILOXANE SEALER TO INCREASE SALT RESISTANCE
- WIRE MESH MUST BE THREE INCHES CLEAR ON ALL FACES OF CONCRETE POUR

6-FOOT WIDE PEDESTRIAN PATH
NOT TO SCALE

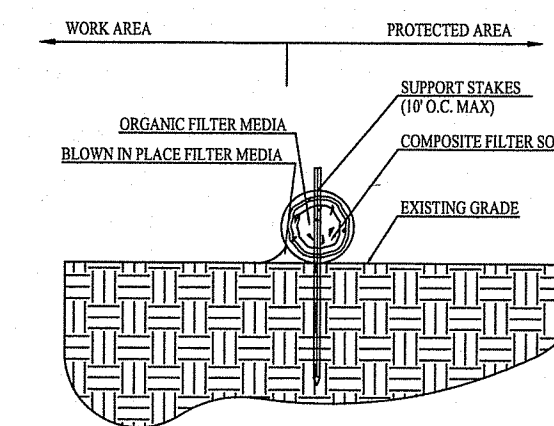


DISTRICT:
CAMPUS WIDE

DESIGN NARRATIVE:

- EXPANSION JOINTS SHOULD BE INSTALLED AT ALL BUILDING WALLS, BENCHES, AND ANYWHERE A VERTICAL ELEMENT ABUTS CONCRETE PAVEMENT
- 9-INCH THICK SLAB SHALL HAVE EXPANSION DESIGNATED BY CIVIL
- 5-INCH THICK SLAB SHALL HAVE EXPANSION JOINTS EVERY 20 FEET MINIMUM
- 5 FEET MAX. DISTANCE FOR CONTRACTION JOINT

CONCRETE CONTROL JOINT / EXPANSION JOINT
NOT TO SCALE



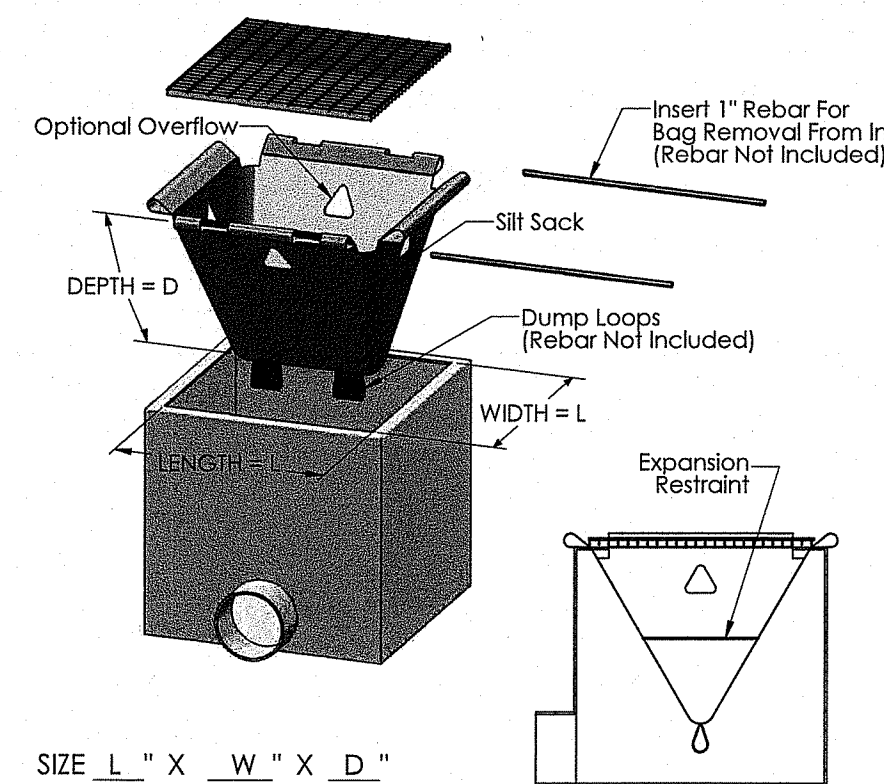
DISTRICT:
CAMPUS WIDE

MAKE:
FILTREXX

DESIGN NARRATIVE:

- USE AS SILT FENCE REPLACEMENT, SITE PERIMETERS, ON SLOPES WITH EROSION RISKS, ALONG TOE OF SLOPES, AROUND DRAINS OR INLETS.
- MESH TO BE BIODEGRADABLE, PHOTODEGRADABLE SHALL ONLY BE CONSIDERED WHEN THE FILTER SOCK REMOVED IMMEDIATELY AFTER PROJECT COMPLETION.
- USE IN CONCERT WITH TYPICAL EROSION CONTROL FENCING

EROSION CONTROL COMPOST FILTER SOCK, COIR / LOG / CURLEX
NOT TO SCALE



DISTRICT:
CAMPUS WIDE

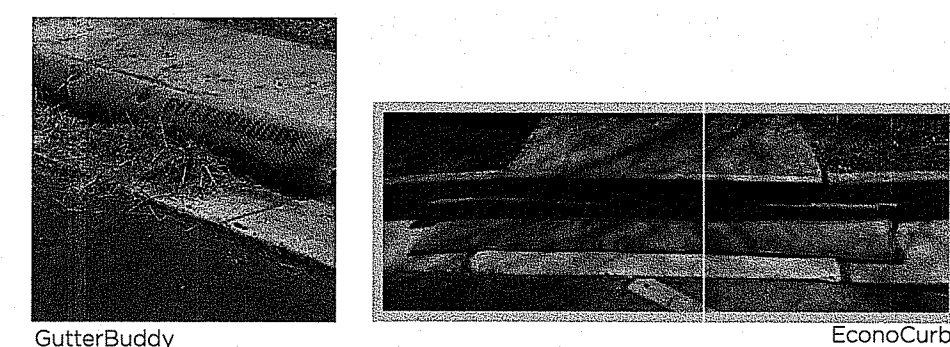
COLOR:
N/A

MAKE:
ACF ENVIRONMENTAL OR APPROVED EQUAL

DESIGN NARRATIVE:

- SILT SACKS ARE TO BE USED AS PART OF A MULTI-STEP APPROACH FOR REDUCING SEDIMENTS INTO THE DRAINAGE SYSTEM

EROSION CONTROL SILK SACK
NOT TO SCALE



DISTRICT:
CAMPUS WIDE

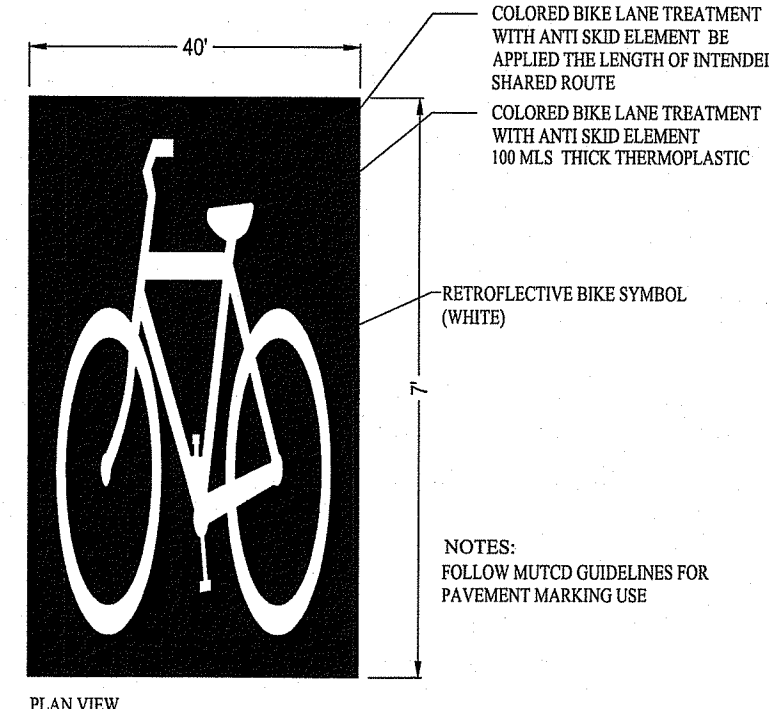
COLOR:
N/A

MAKE:
GUTTERBUDDY OR APPROVED EQUAL

DESIGN NARRATIVE:

- GUTTERBUDDIES AND ECONOCURB ARE TO BE USED AS A MULTI-STEP APPROACH FOR REDUCING SEDIMENTS INTO THE DRAINAGE SYSTEM DURING CONSTRUCTION

GUTTER BUDDIES AND ECONOCURB CURB INLET FILTERS
NOT TO SCALE



DISTRICT:
CAMPUS-WIDE, STREETSCAPES

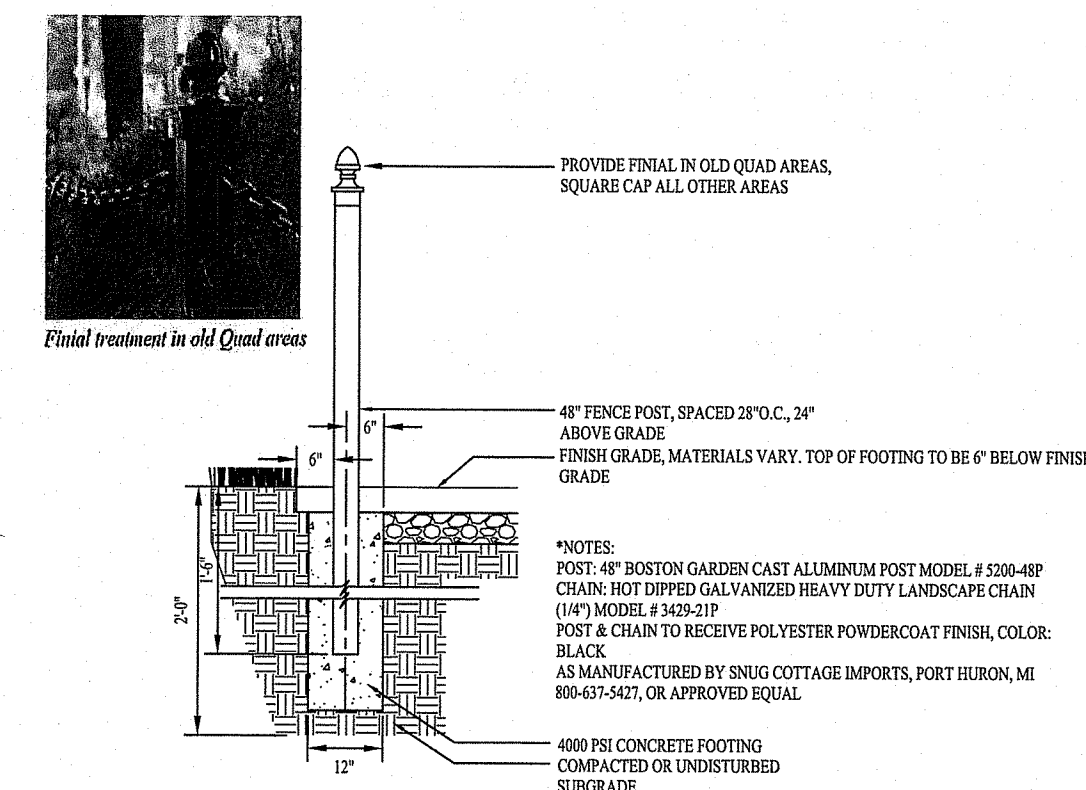
COLOR:
URI BLUE W/ WHITE GRAPHIC REFER TO DETAIL FOR VALUES

MAKE:
ENNIS-FLINT, OR APPROVED EQUAL

DESIGN NARRATIVE:

- BIKE LANE DESIGNATION SHALL BE USED IN COORDINATION WITH ROAD DIET RECOMMENDATIONS. THE MATERIAL SHALL BE A RESILIENT PREFORMED THERMOPLASTIC PRODUCT CONTAINING A MINIMUM THIRTY PERCENT (30%) INTERMIX OF ANTI-SKID/ANTI-SLIP ELEMENTS AND WHERE THE TOP SURFACE CONTAINS ANTI-SKID/ANTI-SLIP ELEMENTS, THESE ANTI-SKID/ANTI-SLIP ELEMENTS MUST HAVE A MINIMUM HARDNESS OF 8.
- THE MATERIAL SHALL BE RESISTANT TO THE DETRIMENTAL EFFECTS OF MOTOR FUELS, ANTIFREEZE, LUBRICANTS, HYDRAULIC FLUIDS, ETC.

THERMOPLASTIC BIKE LANE SYMBOL
NOT TO SCALE



DISTRICT:
HISTORIC CAMPUS CORE DISTRICT

COLOR:
BLACK

MAKE:
SNUG COTTAGE IMPORTS

DESIGN NARRATIVE:

- ALL INSTALLATIONS SHALL BE IN CONCRETE WALKWAYS (DO NOT INSTALL IN TURF)
- USE NON-SHRINK GROUT
- ALLOW 6 INCHES MINIMUM BUFFER FROM CONCRETE WALK EDGE
- CHAINS SHALL BE USED ON A CASE-BY-CASE BASIS

PEDESTRIAN BOLLARD & CHAIN / CORNER EDGING
NOT TO SCALE

Environmental Management
JAN 19 2021
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PROJECT
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Pawtucket, Rhode Island

DRAWING TITLE
URI STANDARD DETAILS

NO.	DATE	REVISIONS	BY

PROJECT NO.: 1884

DATE: JANUARY 2021

SCALE: AS SHOWN

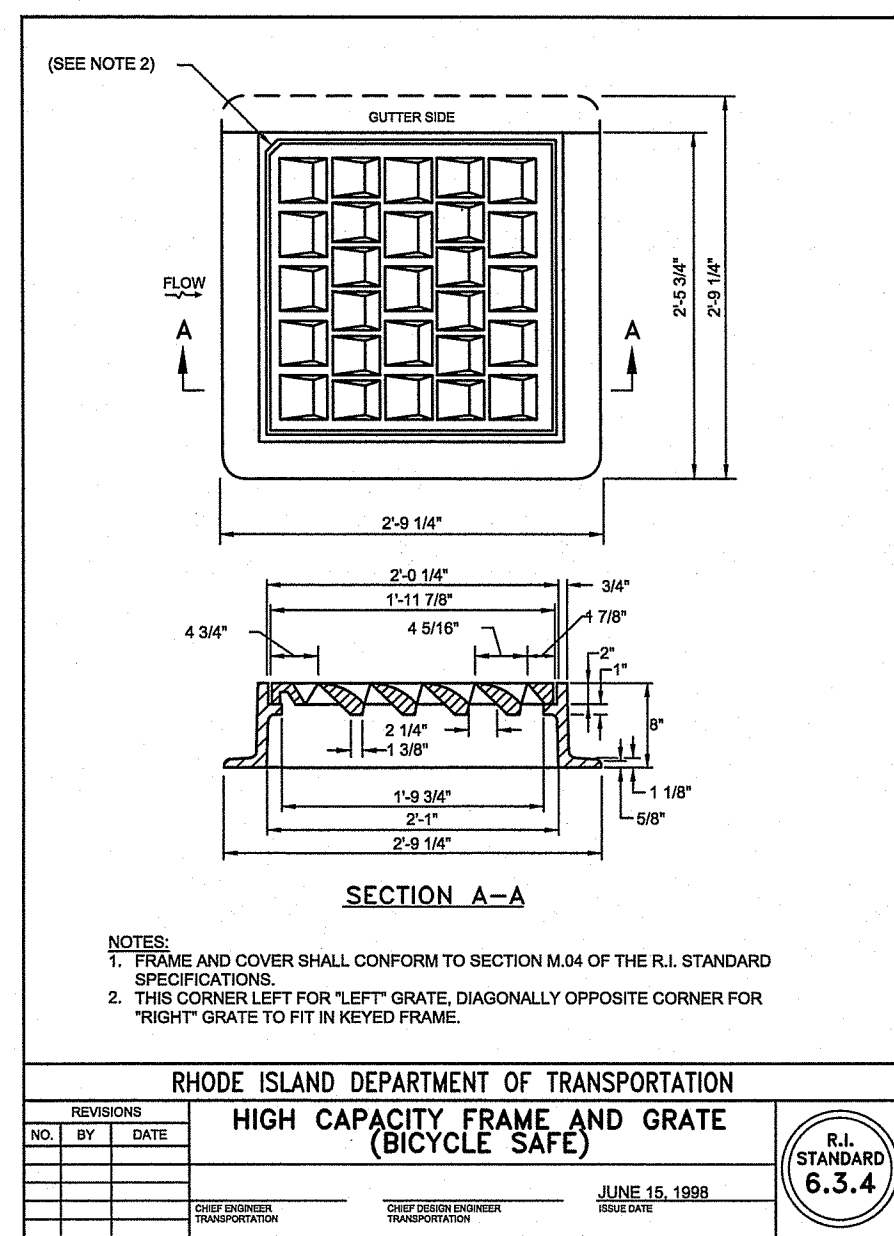
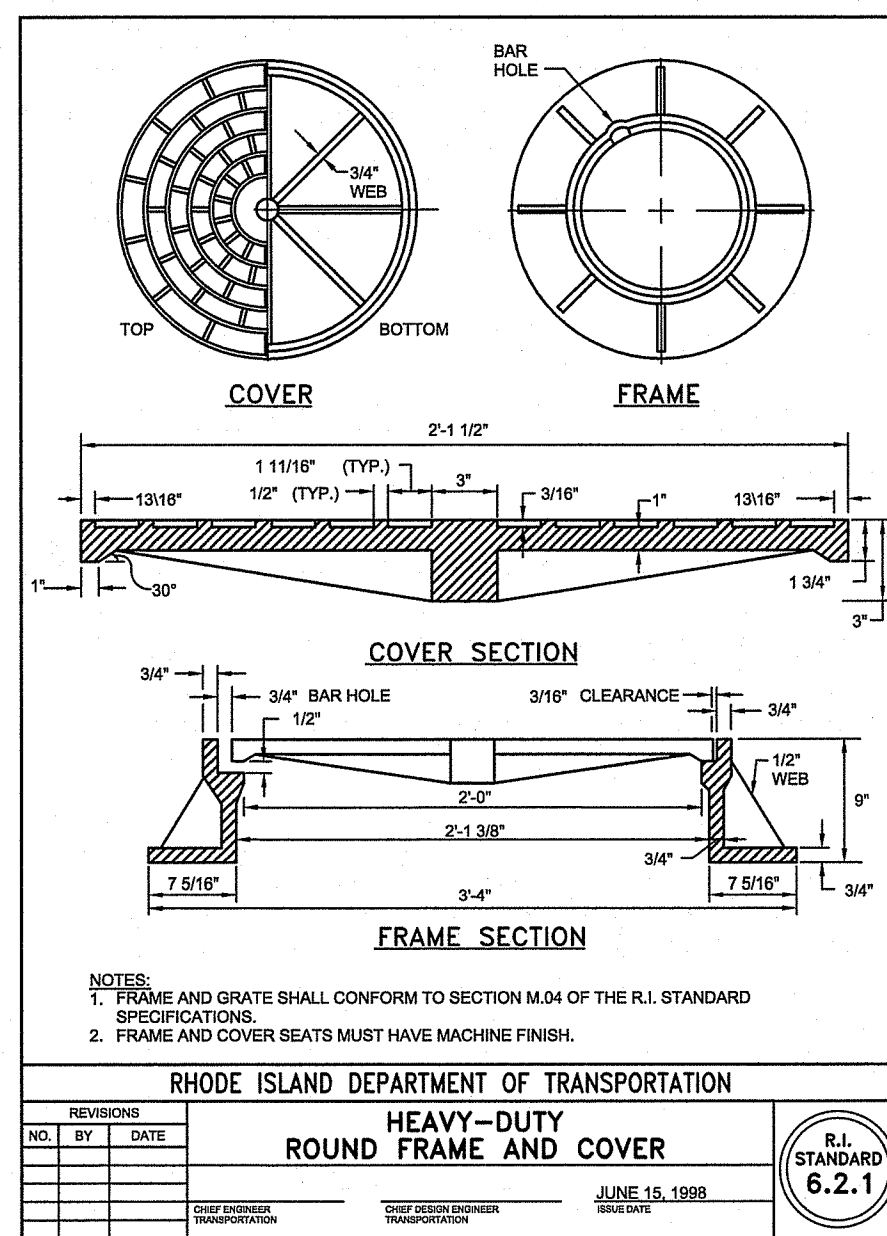
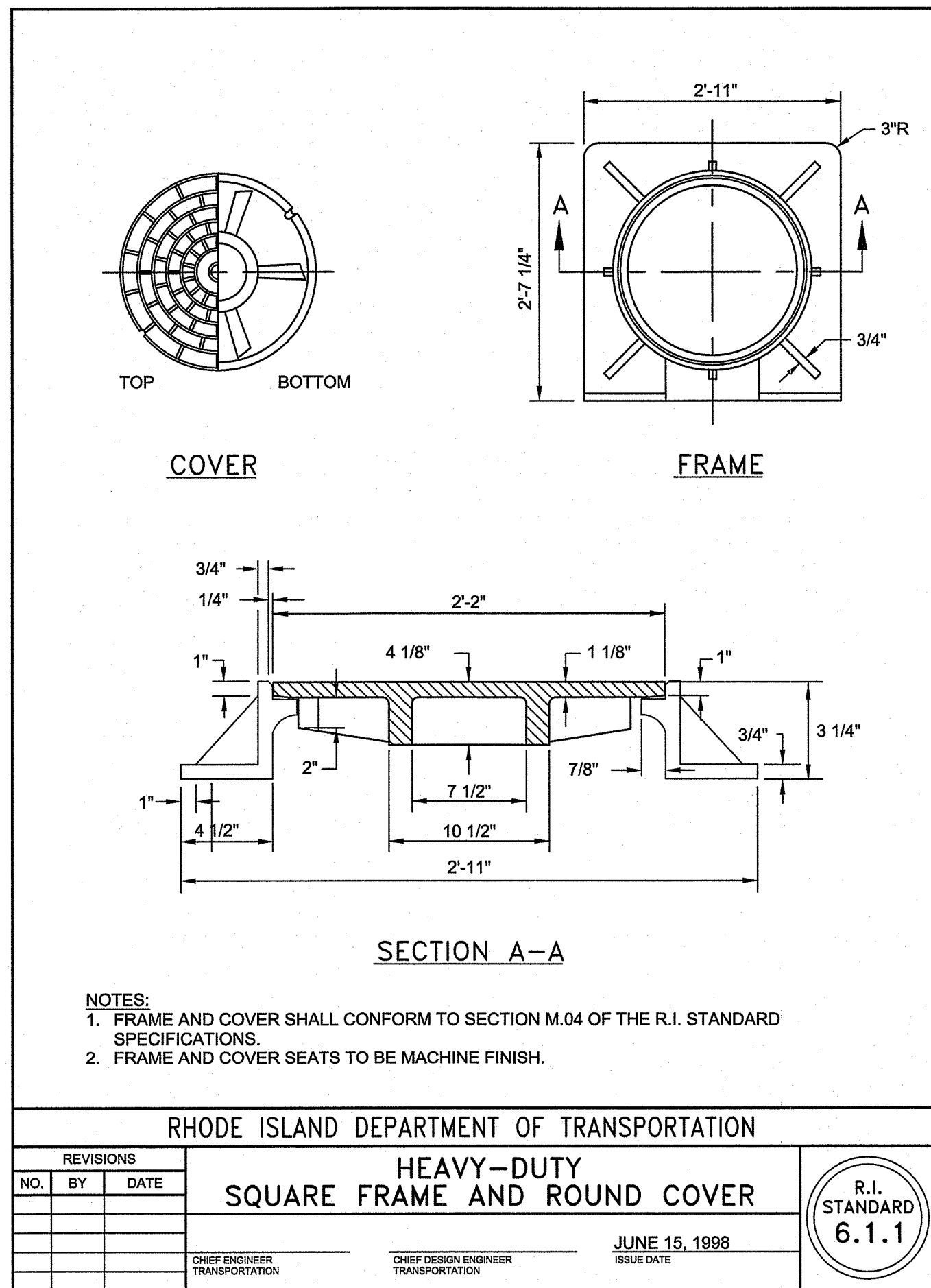
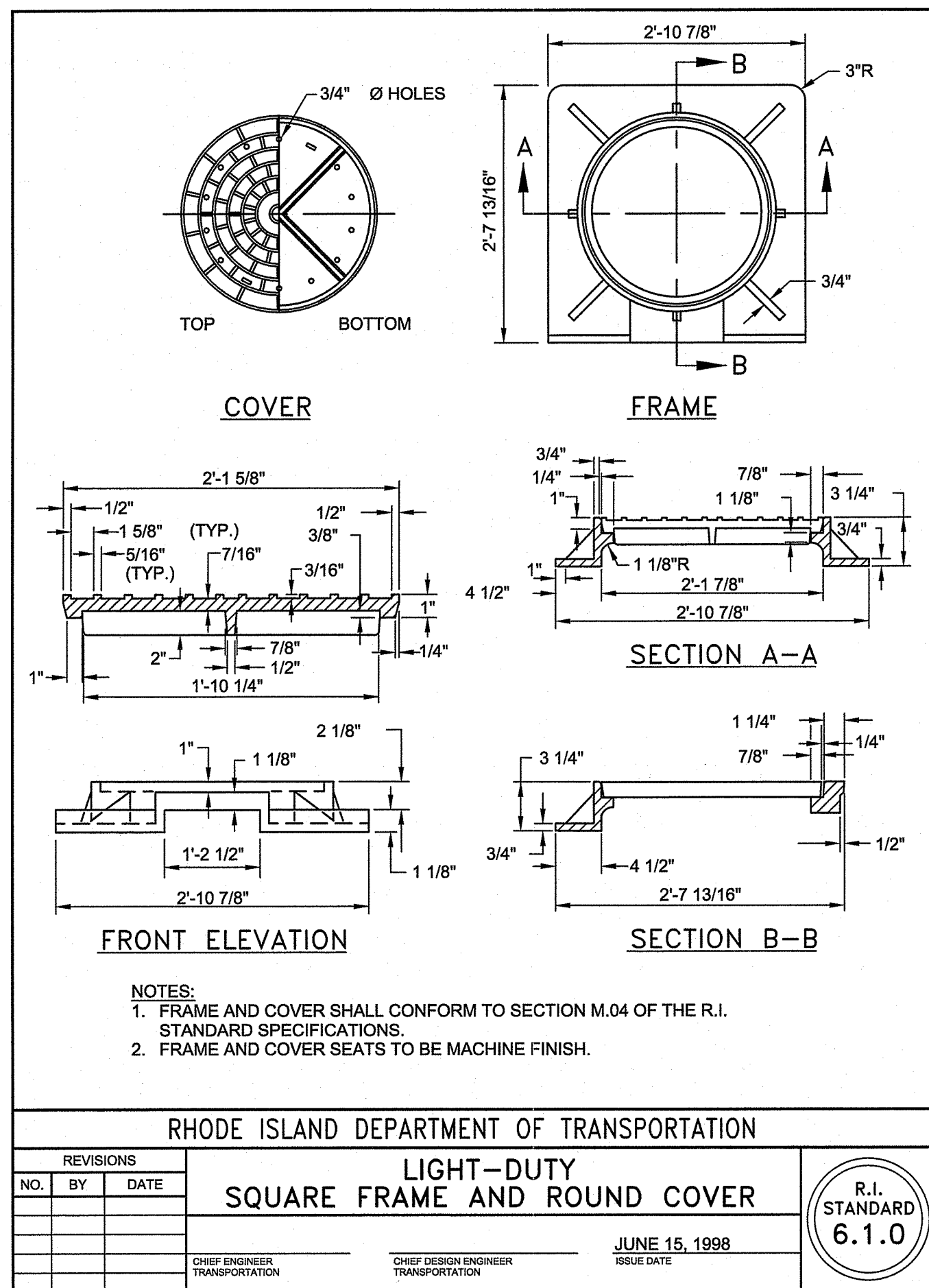
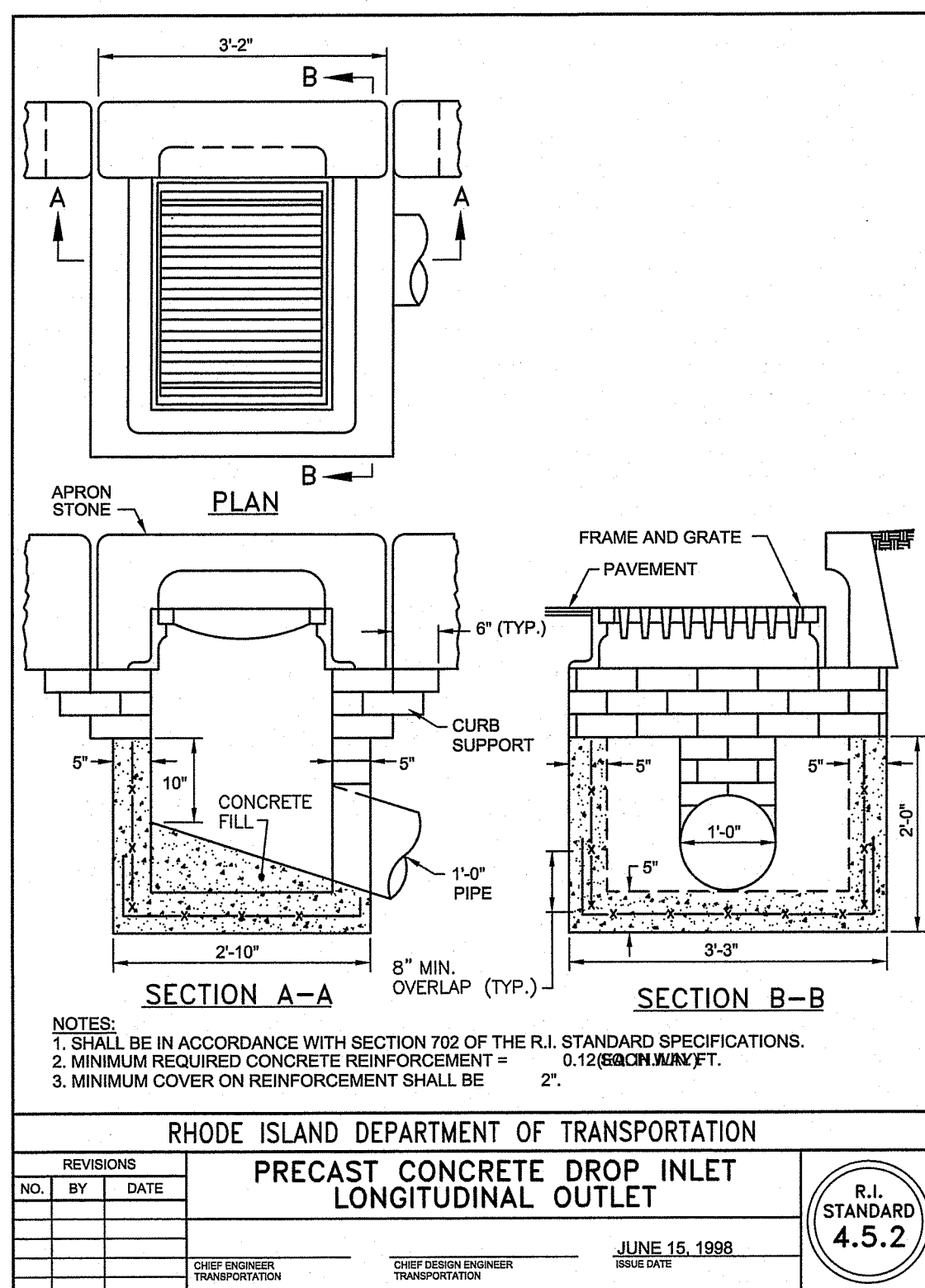
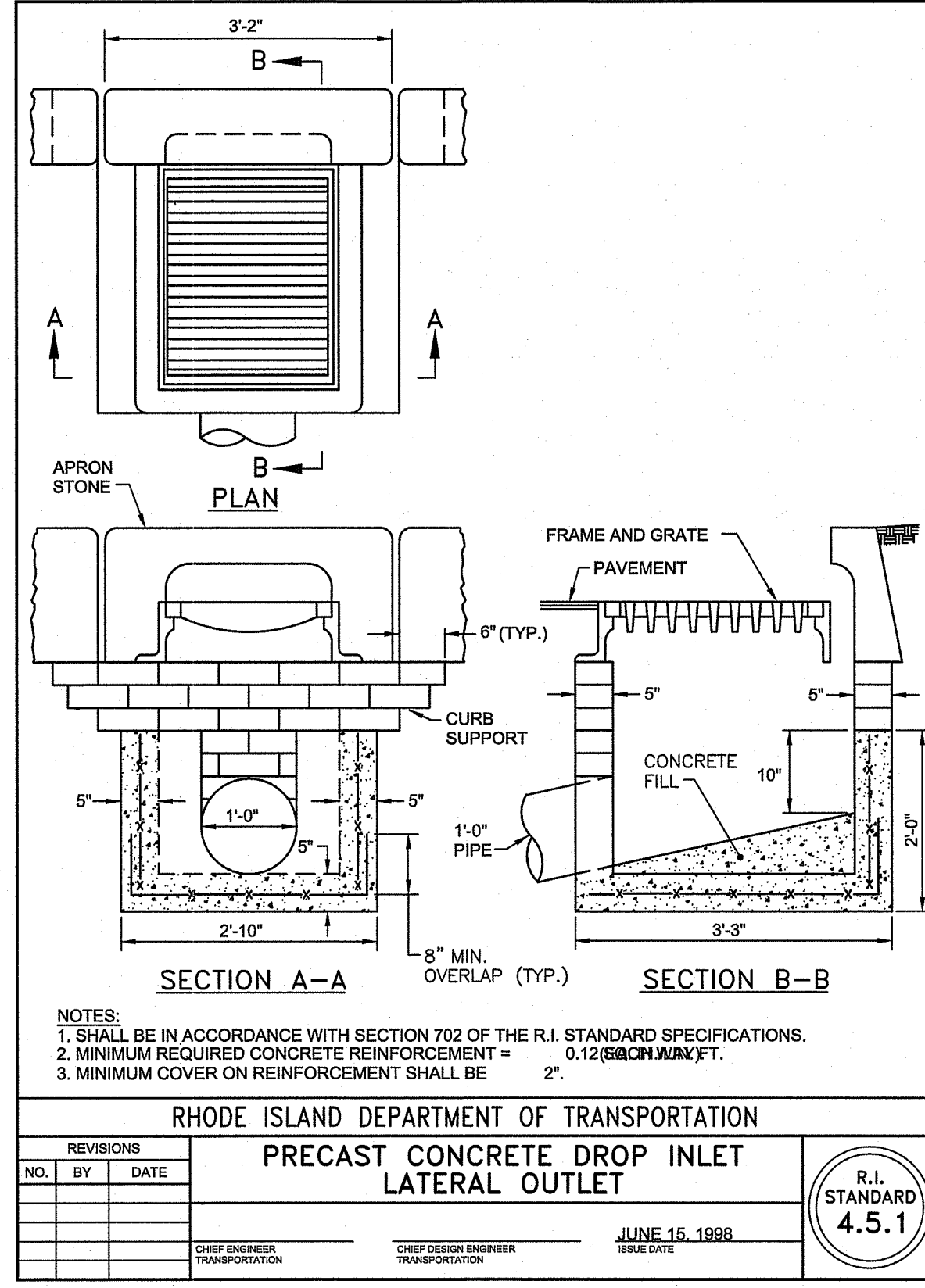
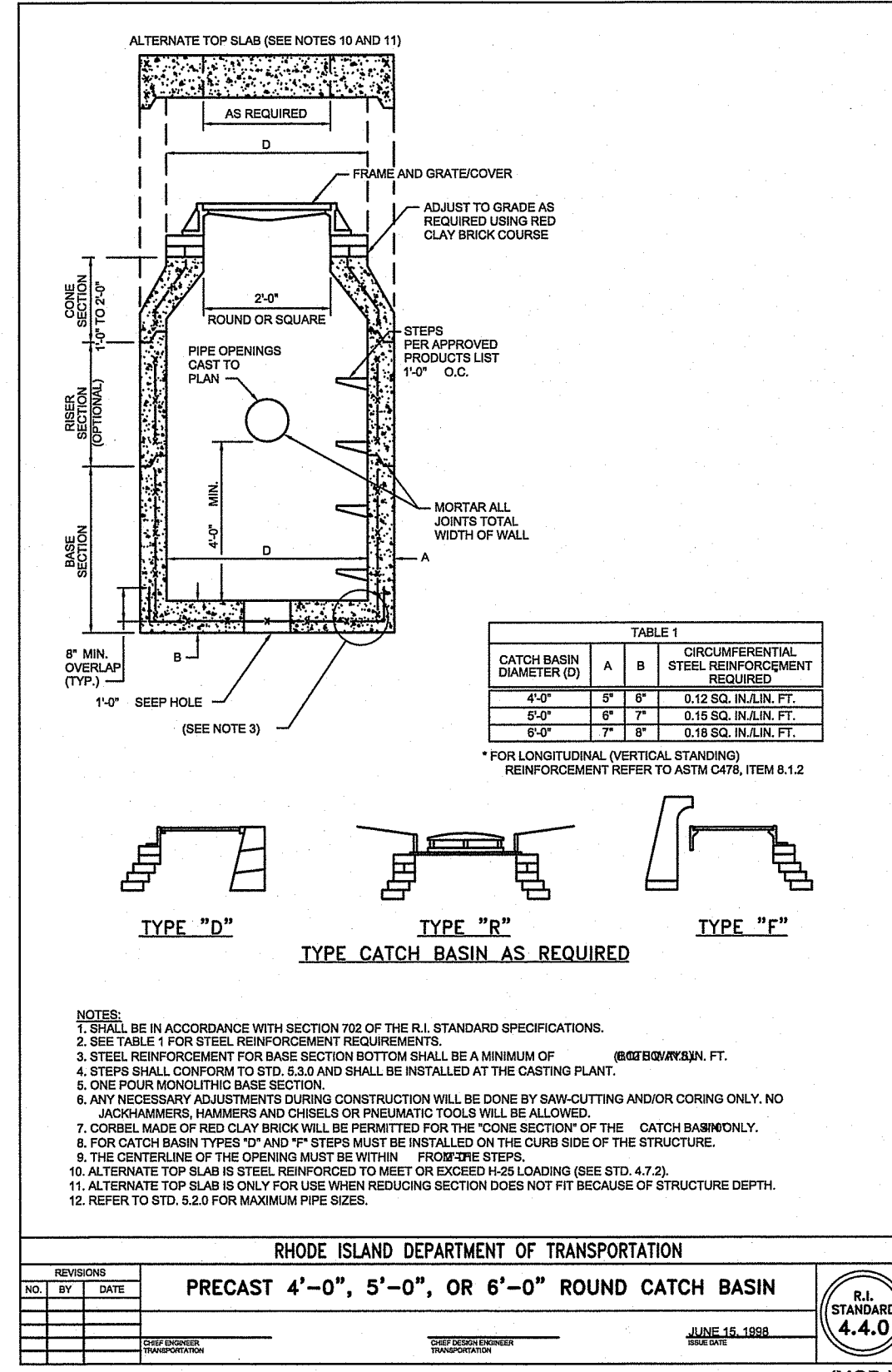
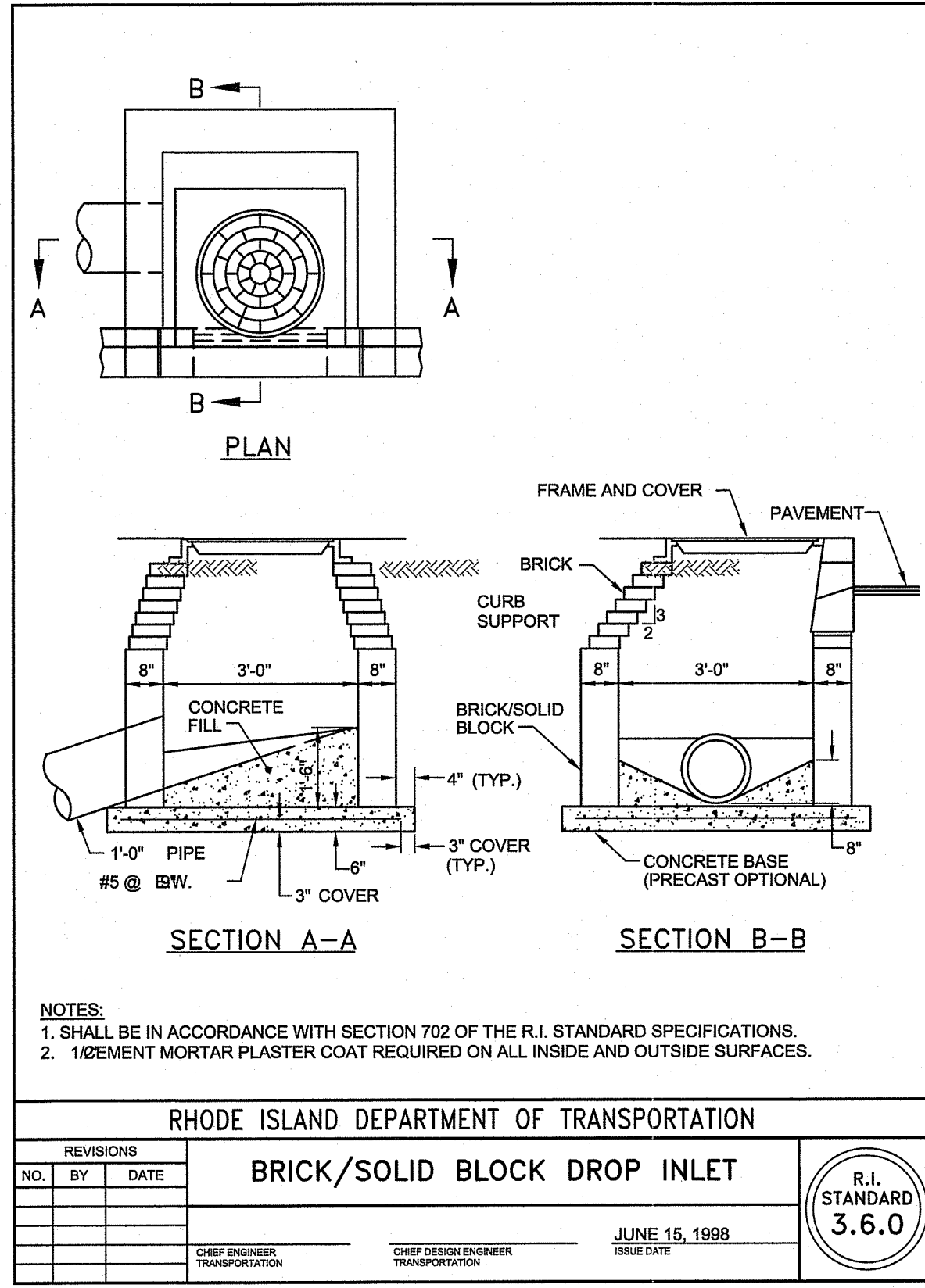
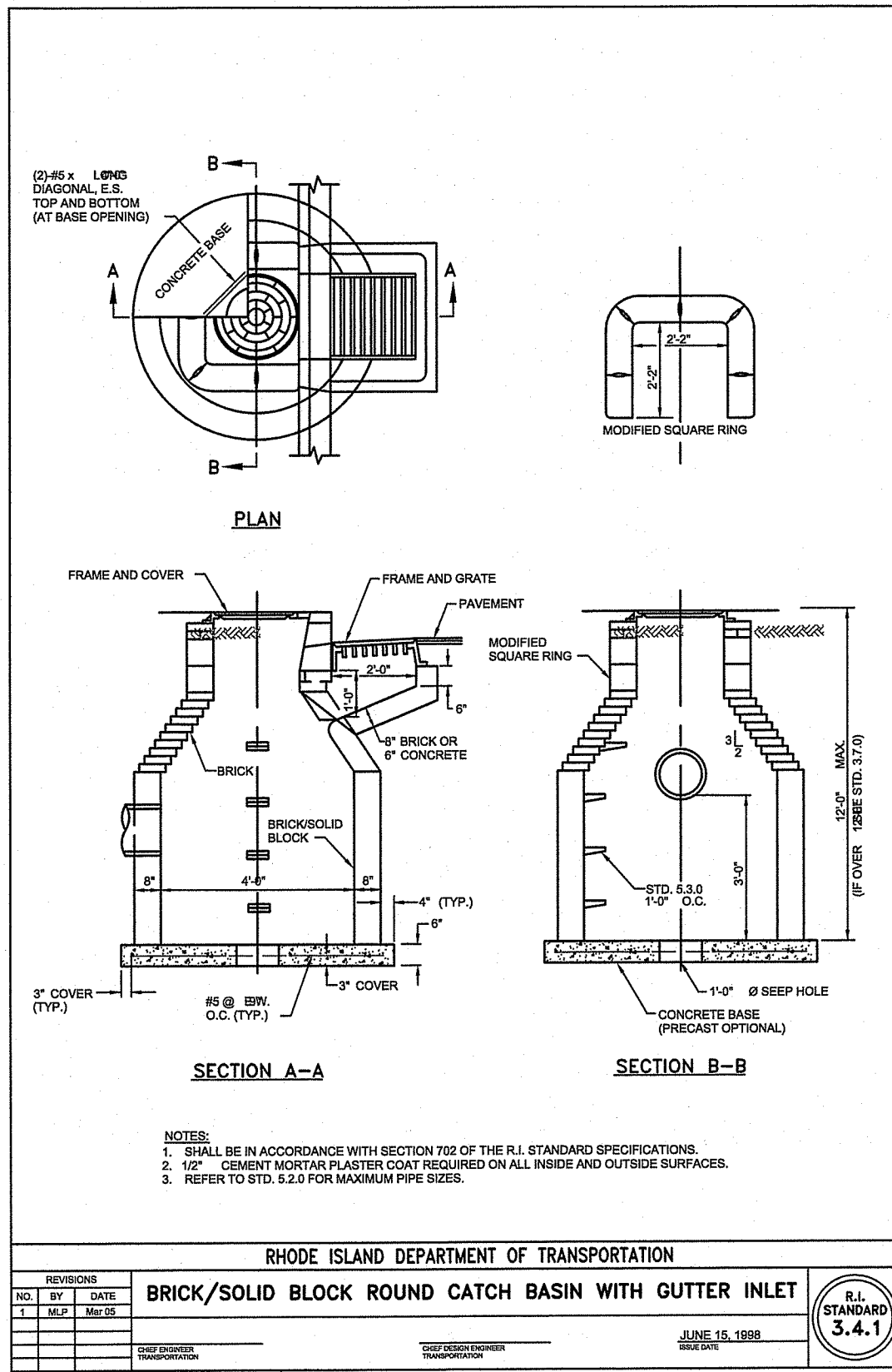
DRAWN BY: JLH

CHECKED BY: TAR

DRAWING NUMBER
34
SHEET 24 OF 30

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
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Environmental Management
 JAN 19 2021
 Office of Water Resources

PROJECT
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CLIENT
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Gordon R. Archibald, Inc.
 Civil and Environmental Engineers
 Pawtucket, Rhode Island

DRAWING TITLE
 RHODE ISLAND STANDARD
 DETAILS - 1

PROJECT NO.: 1884

DATE: JANUARY 2021

SCALE: AS SHOWN

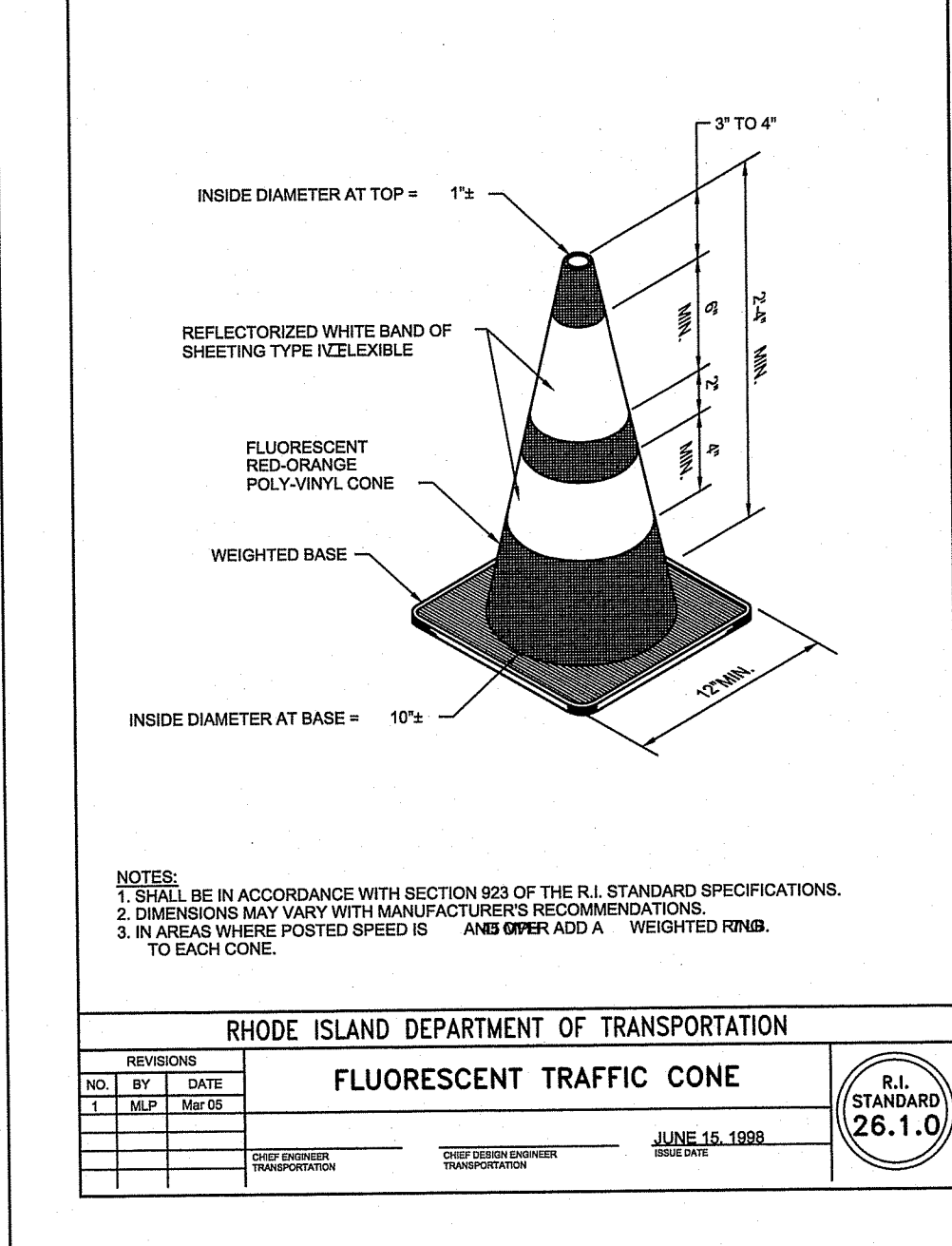
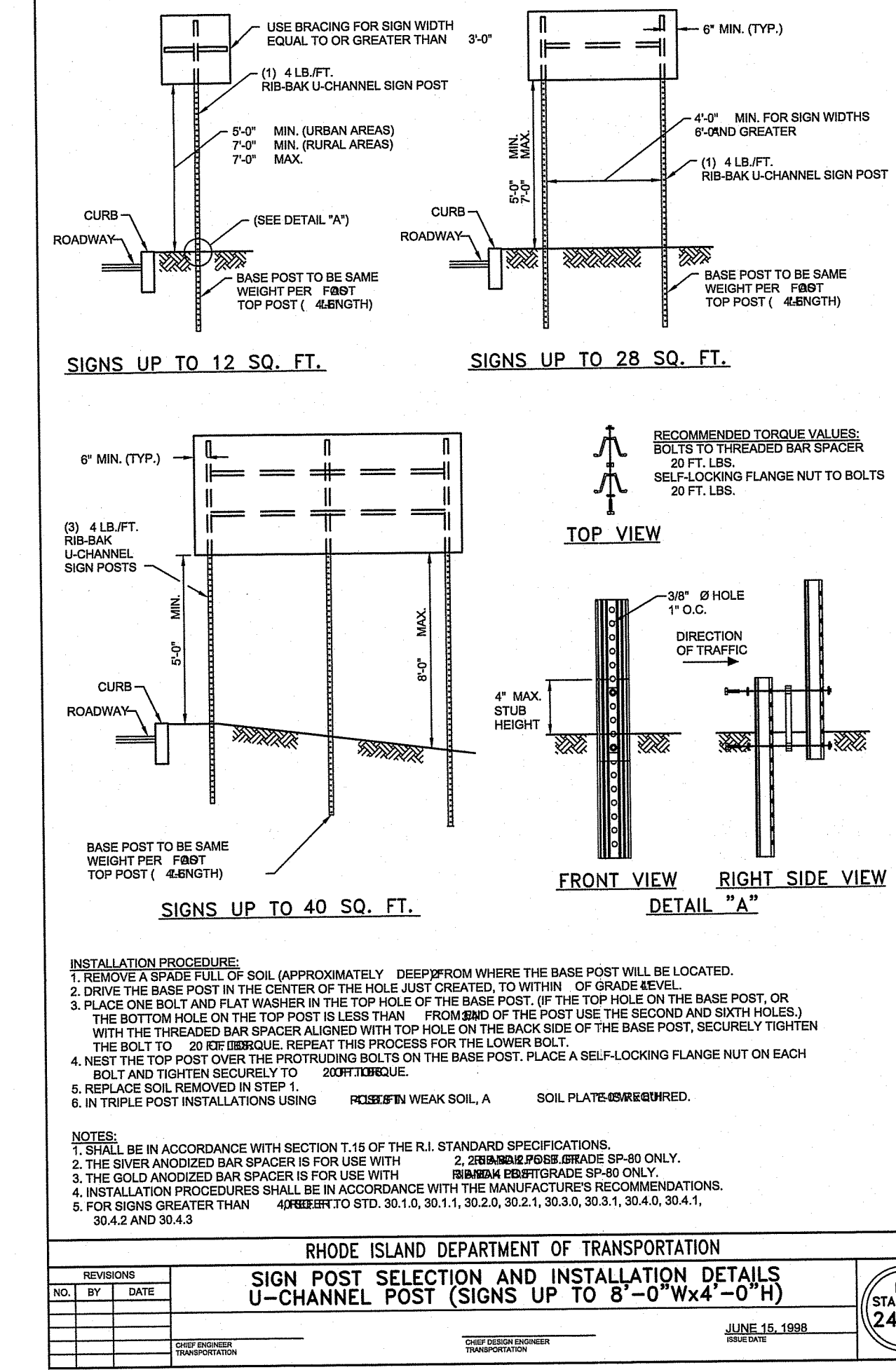
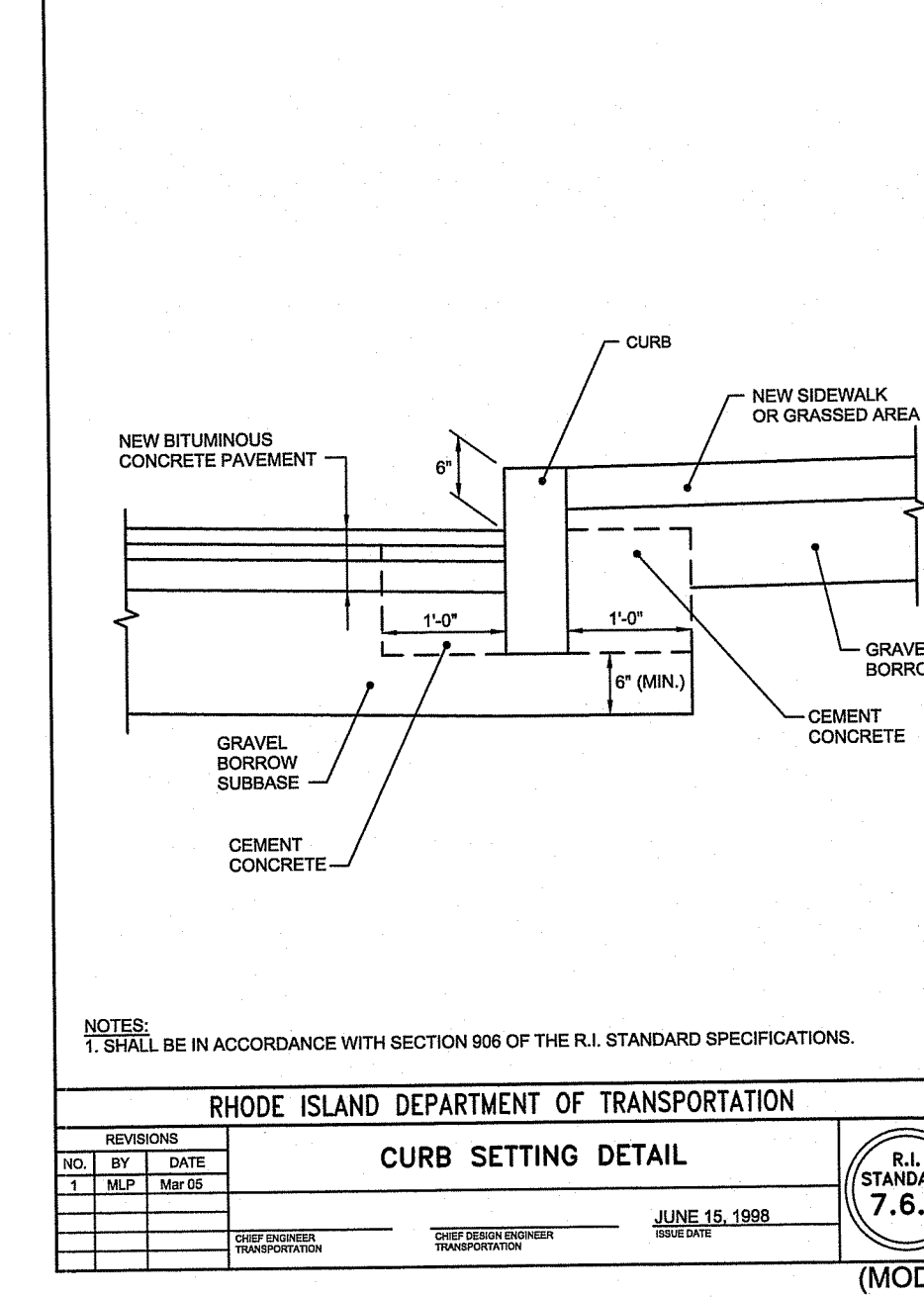
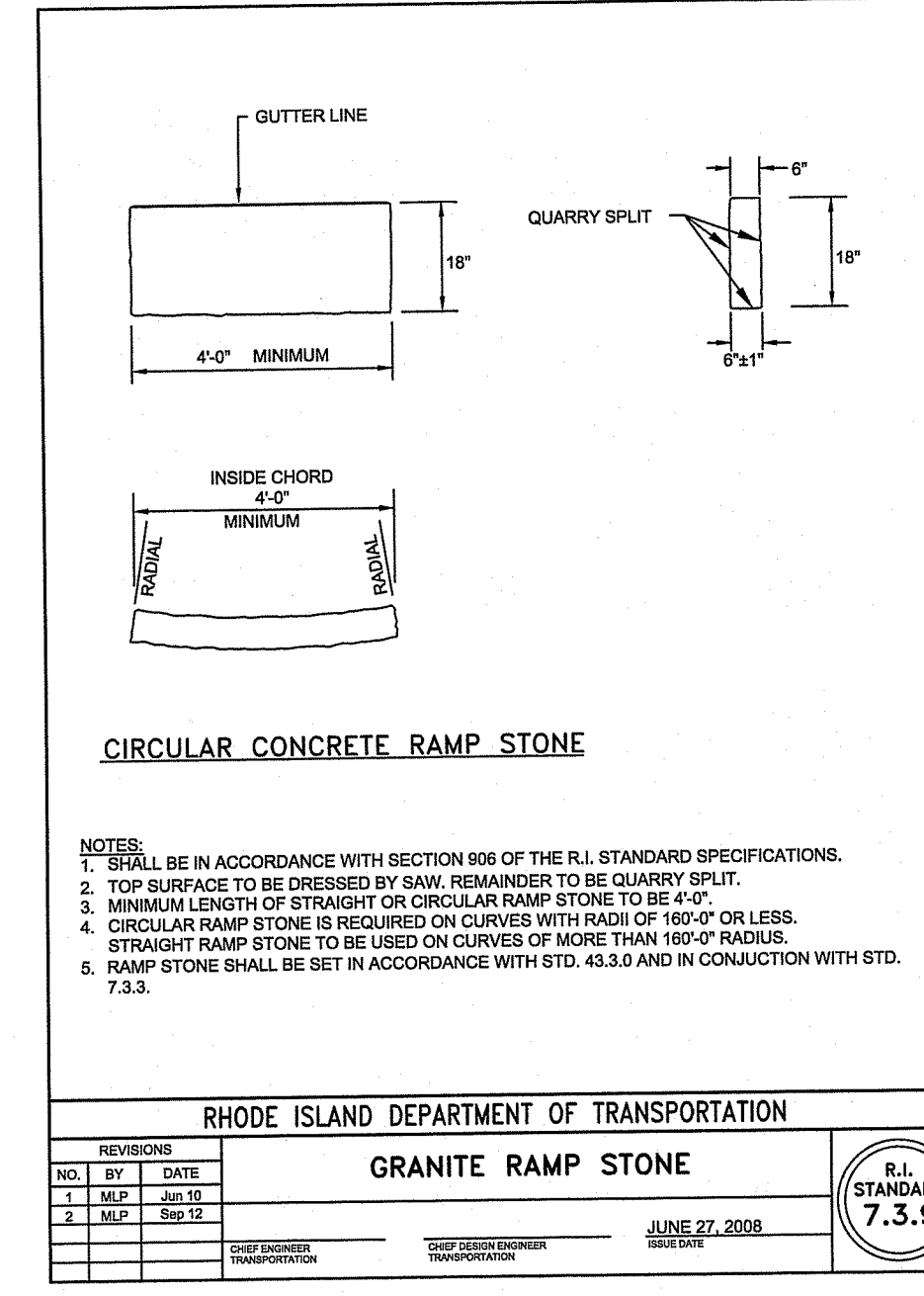
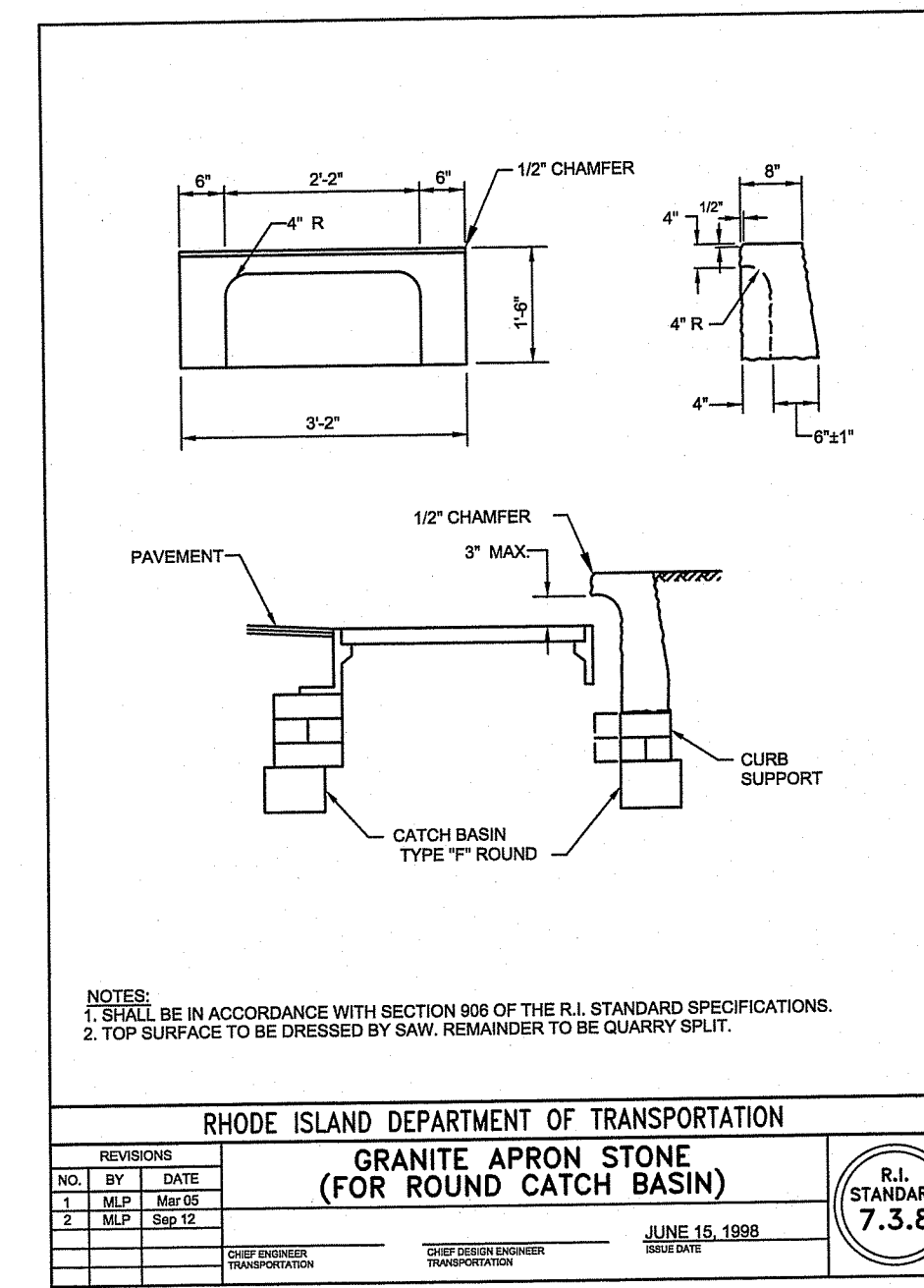
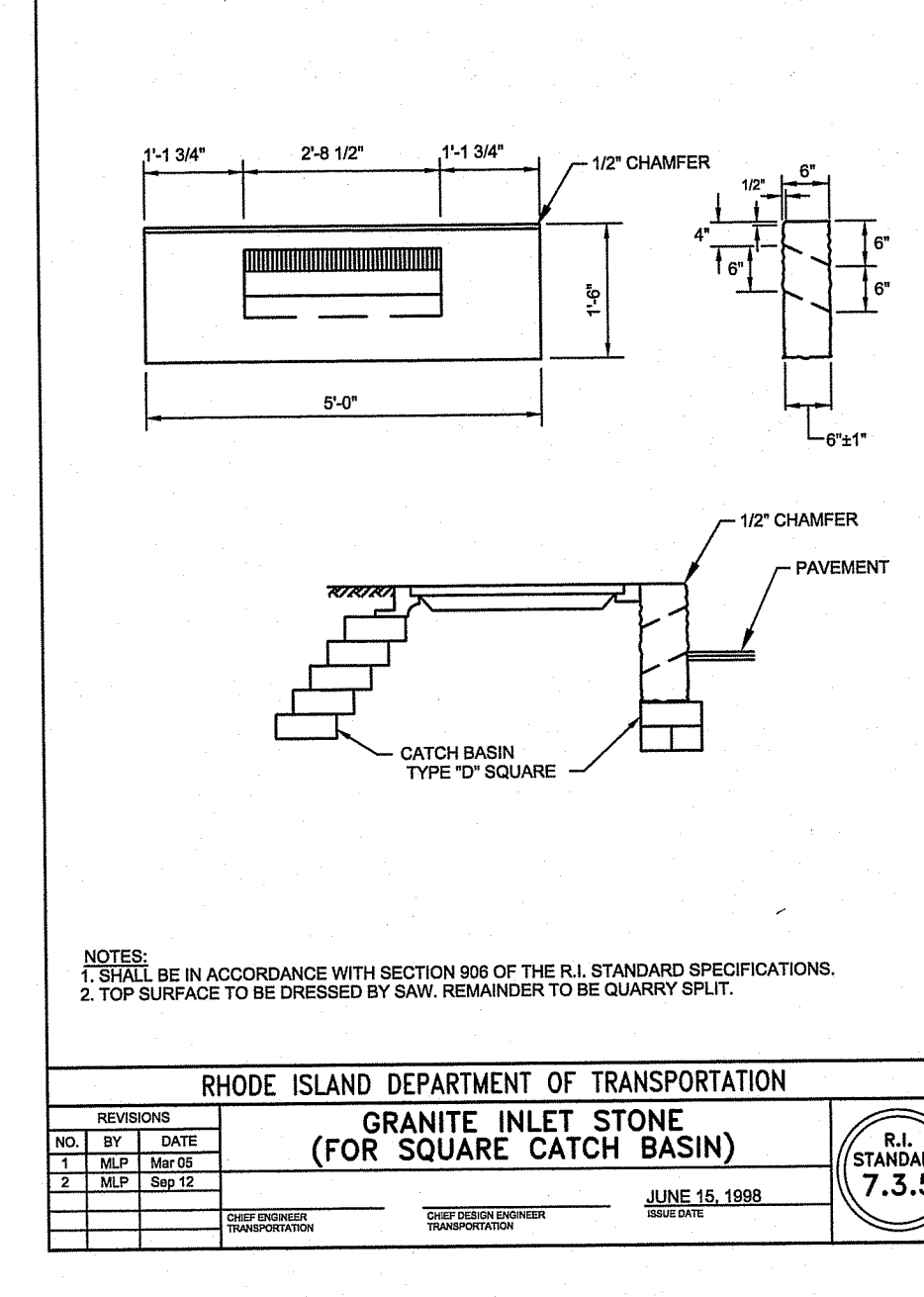
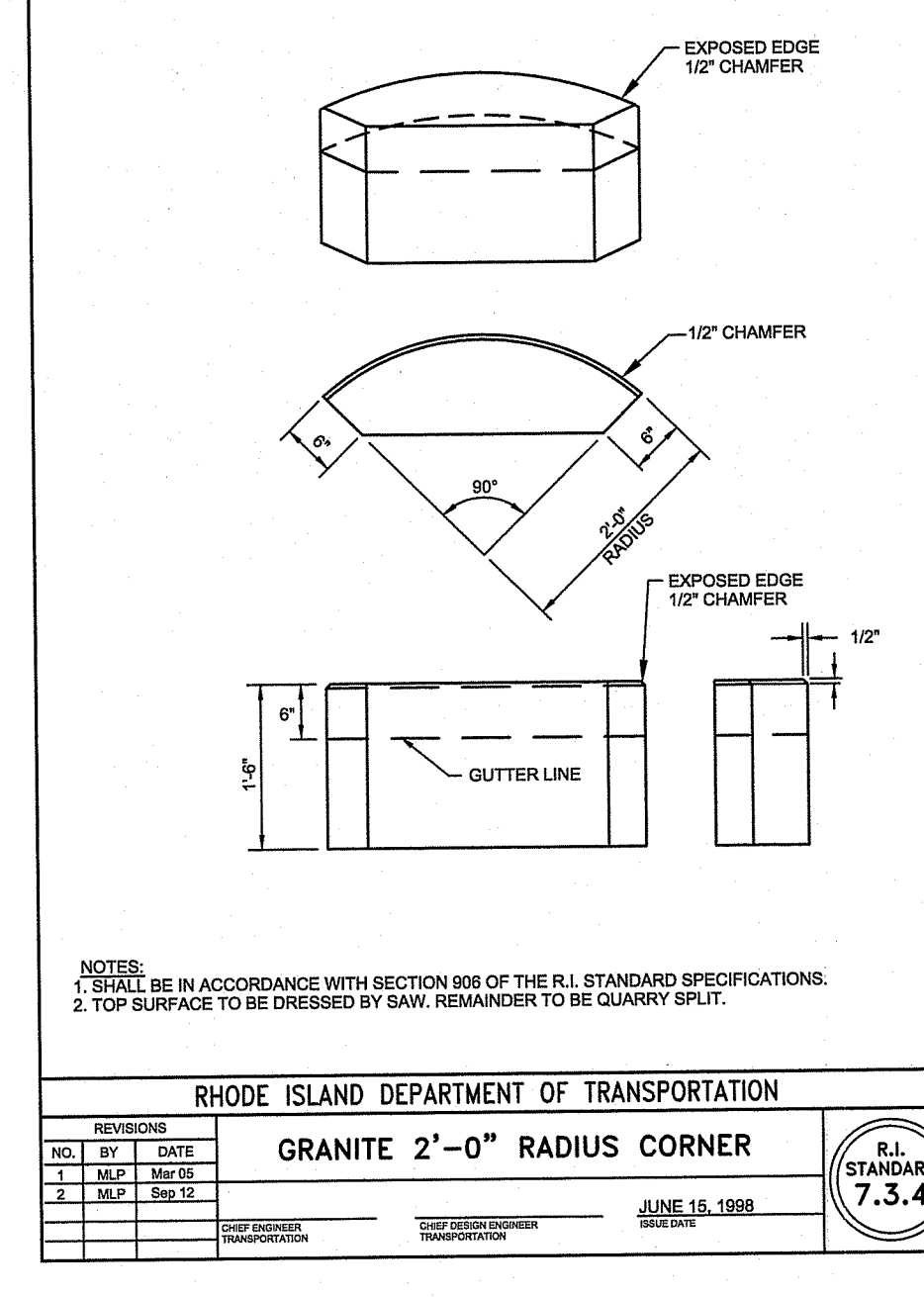
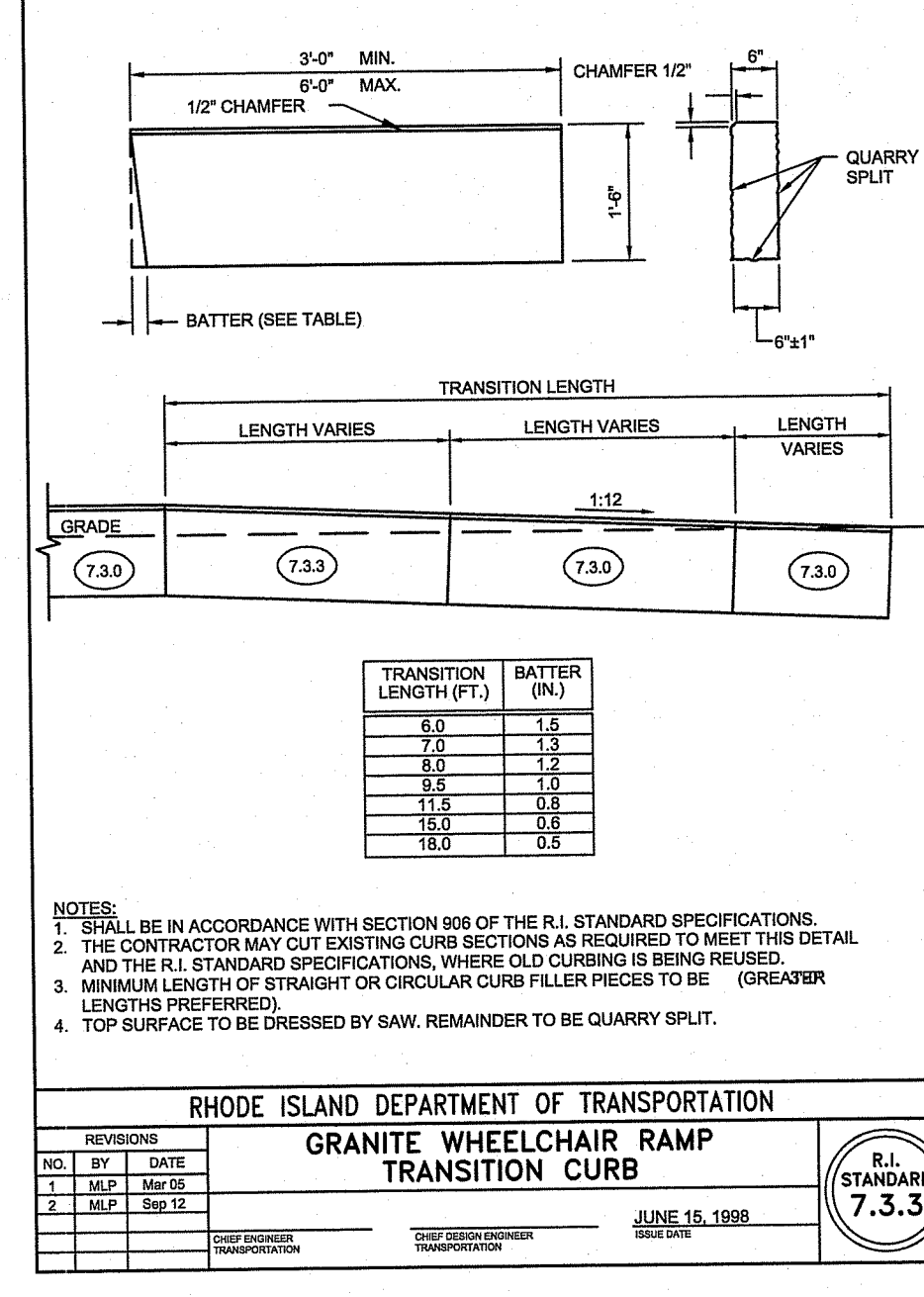
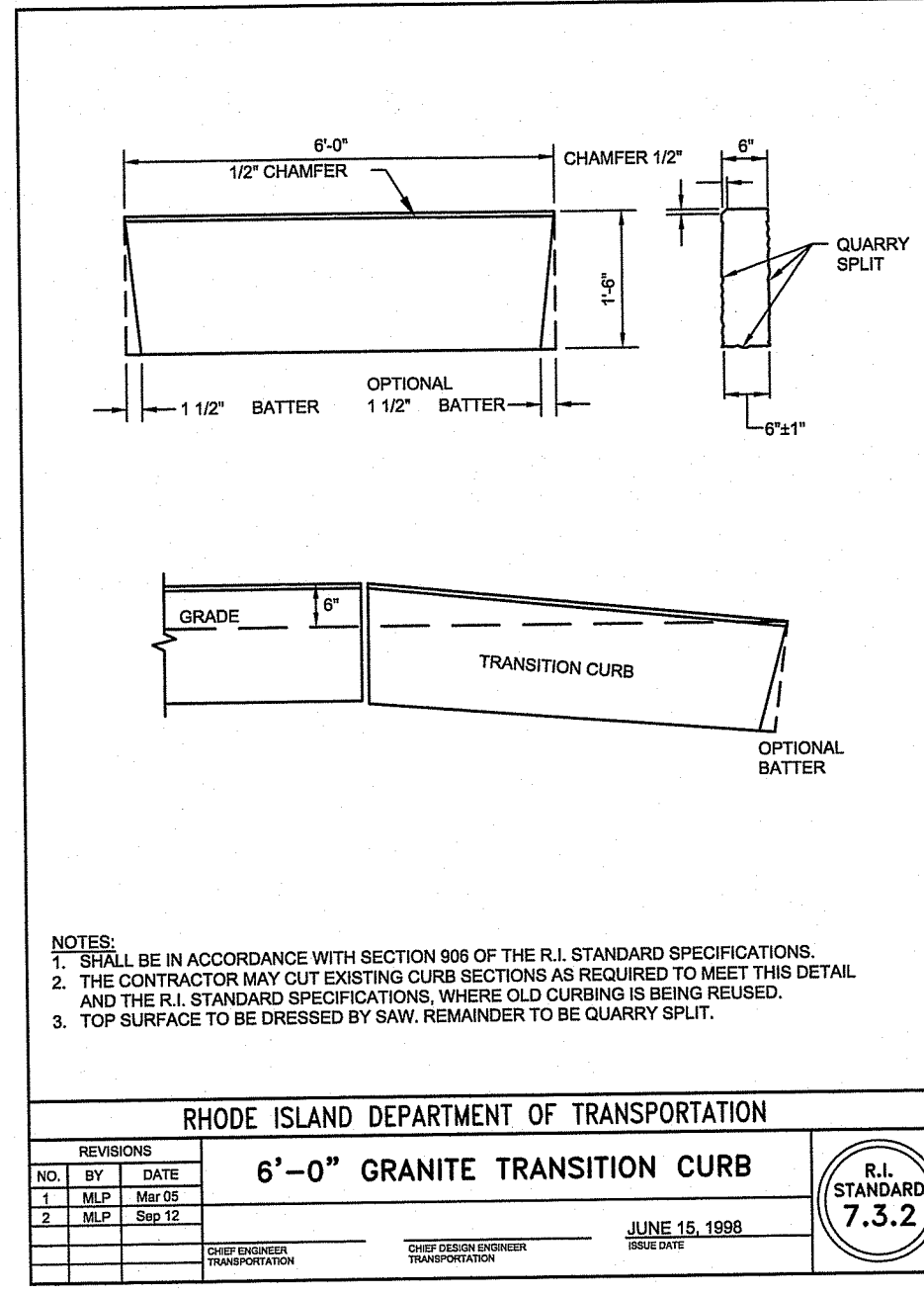
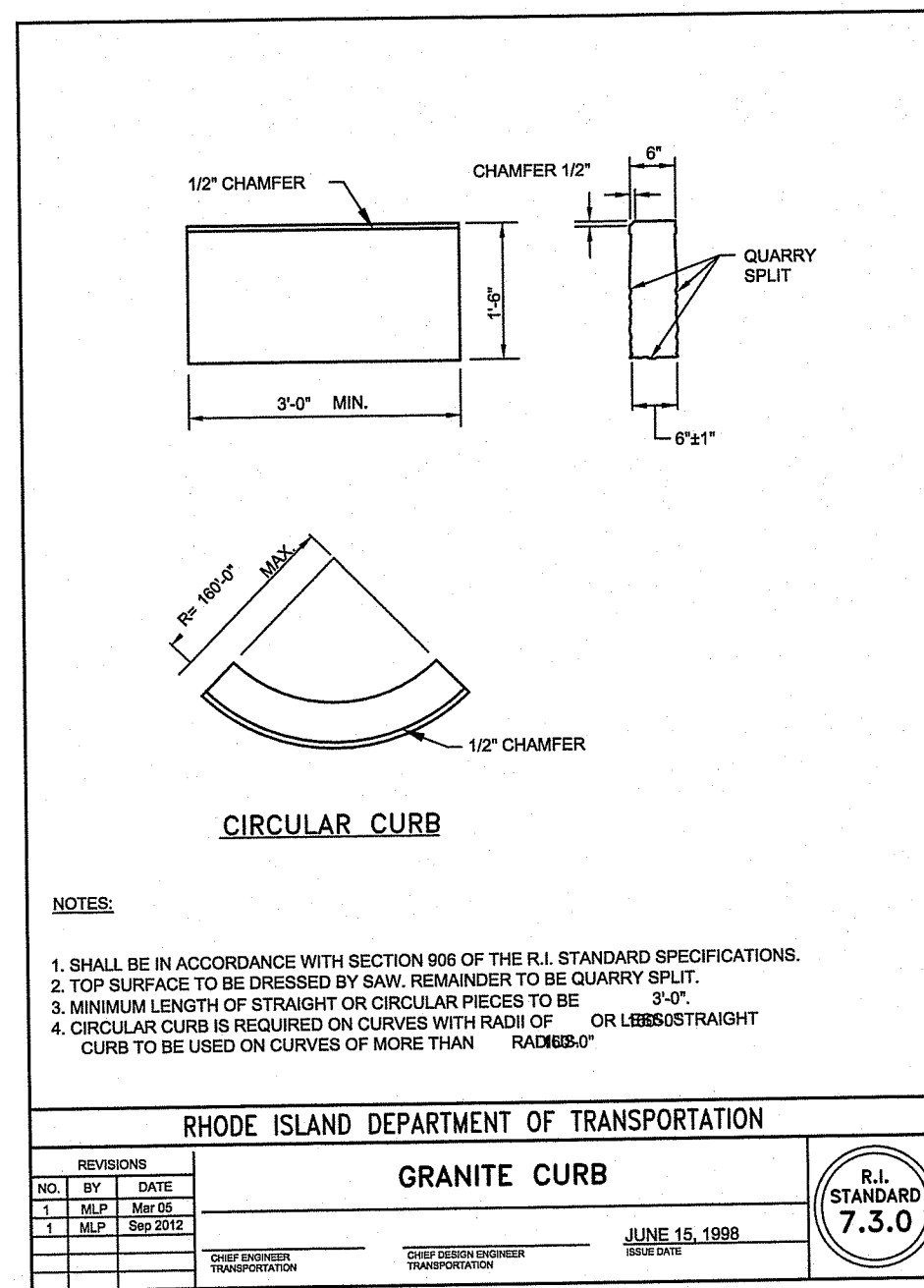
DRAWN BY: JLH

CHECKED BY: TAR

DRAWING NUMBER

35
 SHEET 35 OF 34

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
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 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED 2/16/2021 FILE # 20-0247
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 APPROVED PLANS MUST BE AT CONSTRUCTION SITE
 Nancy L. Freeman



Environmental Management
 JAN 19 2021
 Office of Water Resources

PROJECT
UPPER COLLEGE ROAD RECONSTRUCTION

TODD A. RAVENELLE
 No. 5928
 REGISTERED PROFESSIONAL ENGINEER

CLIENT
UNIVERSITY OF RHODE ISLAND

Gordon R. Archibald, Inc.
 Civil and Environmental Engineers
 Pawtucket, Rhode Island

DRAWING TITLE
RHODE ISLAND STANDARD DETAILS - 2

REVISIONS

NO.	DATE	BY

PROJECT NO.: 1884

DATE: JANUARY 2021

SCALE: AS SHOWN

DRAWN BY: JLH

CHECKED BY: TAR

DRAWING NUMBER
36
 SHEET 36 OF 30

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
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Nancy L. Freeman

PROJECT
**UPPER COLLEGE ROAD
 RECONSTRUCTION**

TODD A. RAVENELLE
 No. 3928
 REGISTERED
 PROFESSIONAL ENGINEER

UNIVERSITY OF RHODE ISLAND
 CLIENT

Gordon R. Archibald, Inc.
 Civil and Environmental Engineers
 Pawtucket, Rhode Island

DRAWING TITLE
**RHODE ISLAND STANDARD
 DETAILS - 3**

PROJECT NO.: 1884

DATE: JANUARY 2021

SCALE: AS SHOWN

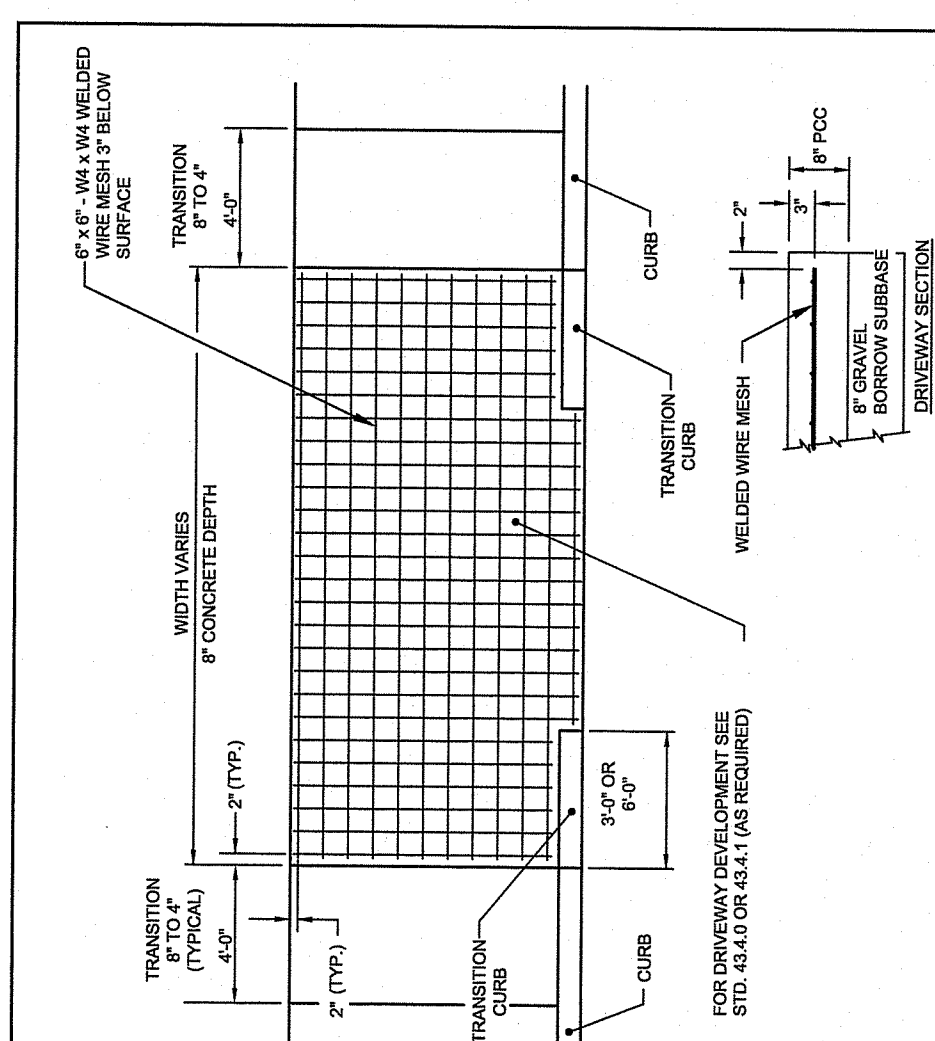
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CHECKED BY: TAR

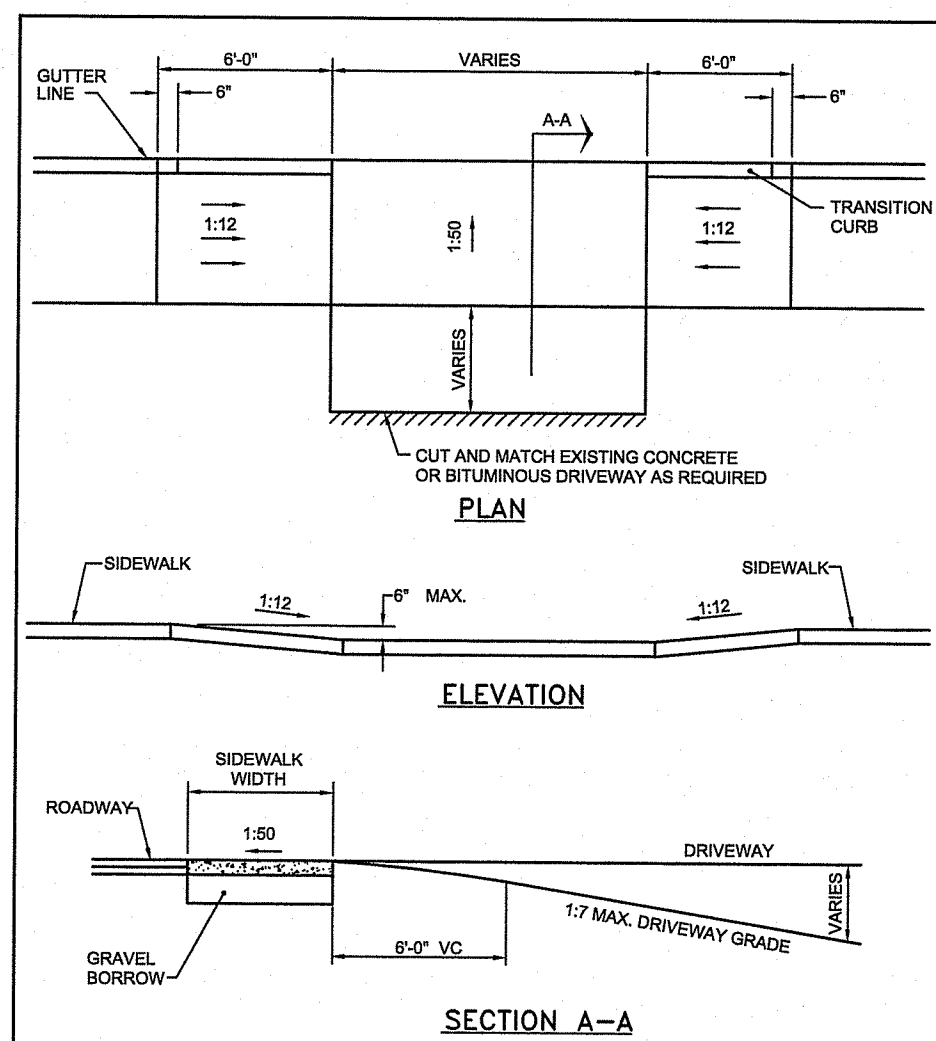
DRAWING NUMBER

37

SHEET 25 OF 64



RHODE ISLAND DEPARTMENT OF TRANSPORTATION
CEMENT CONCRETE DRIVEWAYS
 R.I. STANDARD 43.5.0



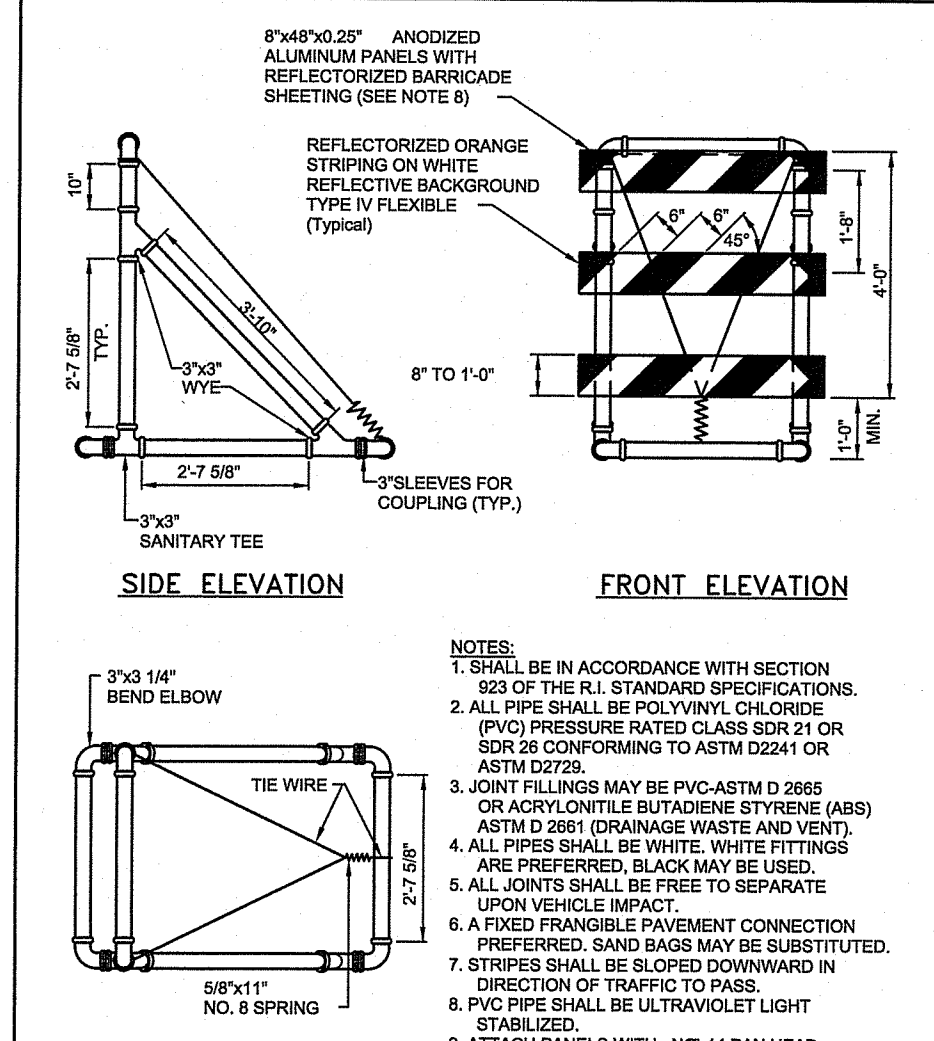
RHODE ISLAND DEPARTMENT OF TRANSPORTATION
**DRIVEWAY DEVELOPMENT FOR
 6"-0" TRANSITION CURB**
 R.I. STANDARD 43.4.1

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
CONSTRUCTION SIGNS
 R.I. STANDARD 29.1.0

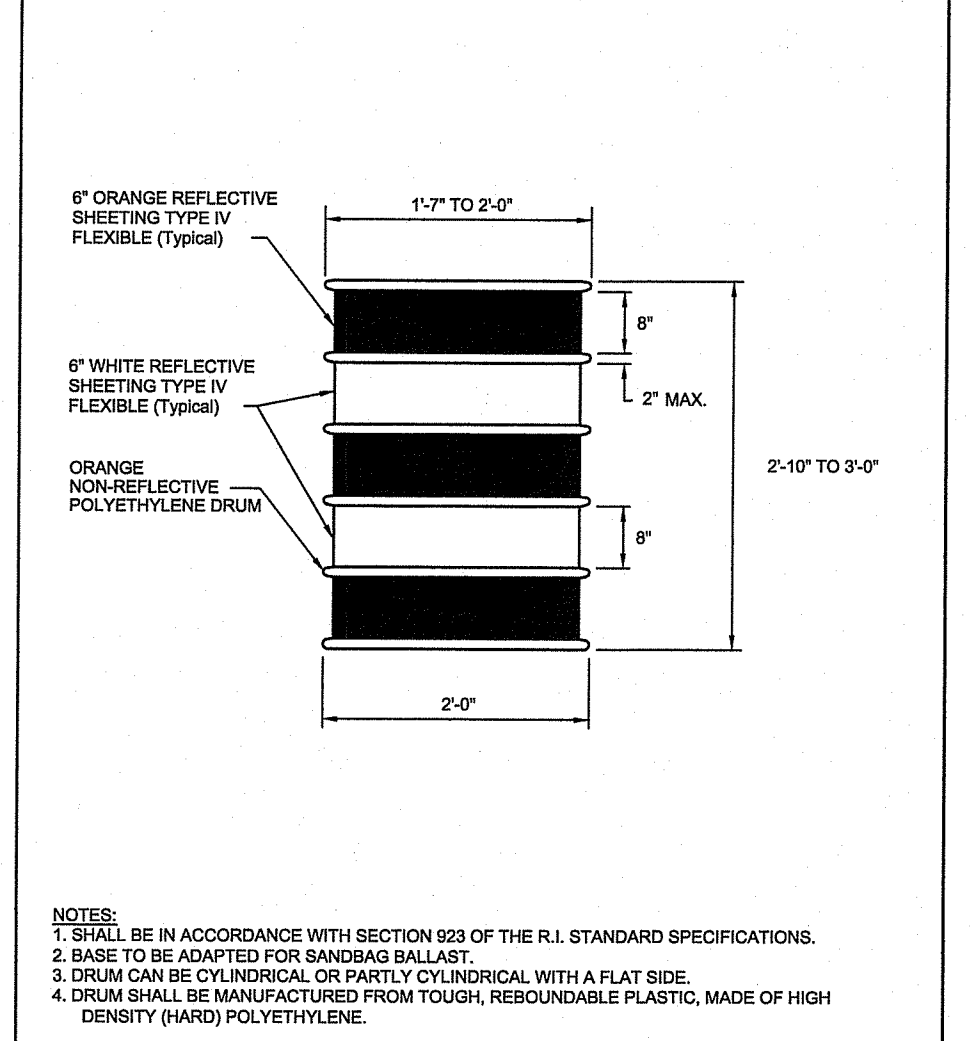
NO.	BY	DATE
1	M.P.	05/20/09
2	M.P.	05/20/09
3	M.P.	05/20/09

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
**TRAFFIC FINES IN WORK ZONE
 REGULATORY SIGN**
 R.I. STANDARD 27.1.1

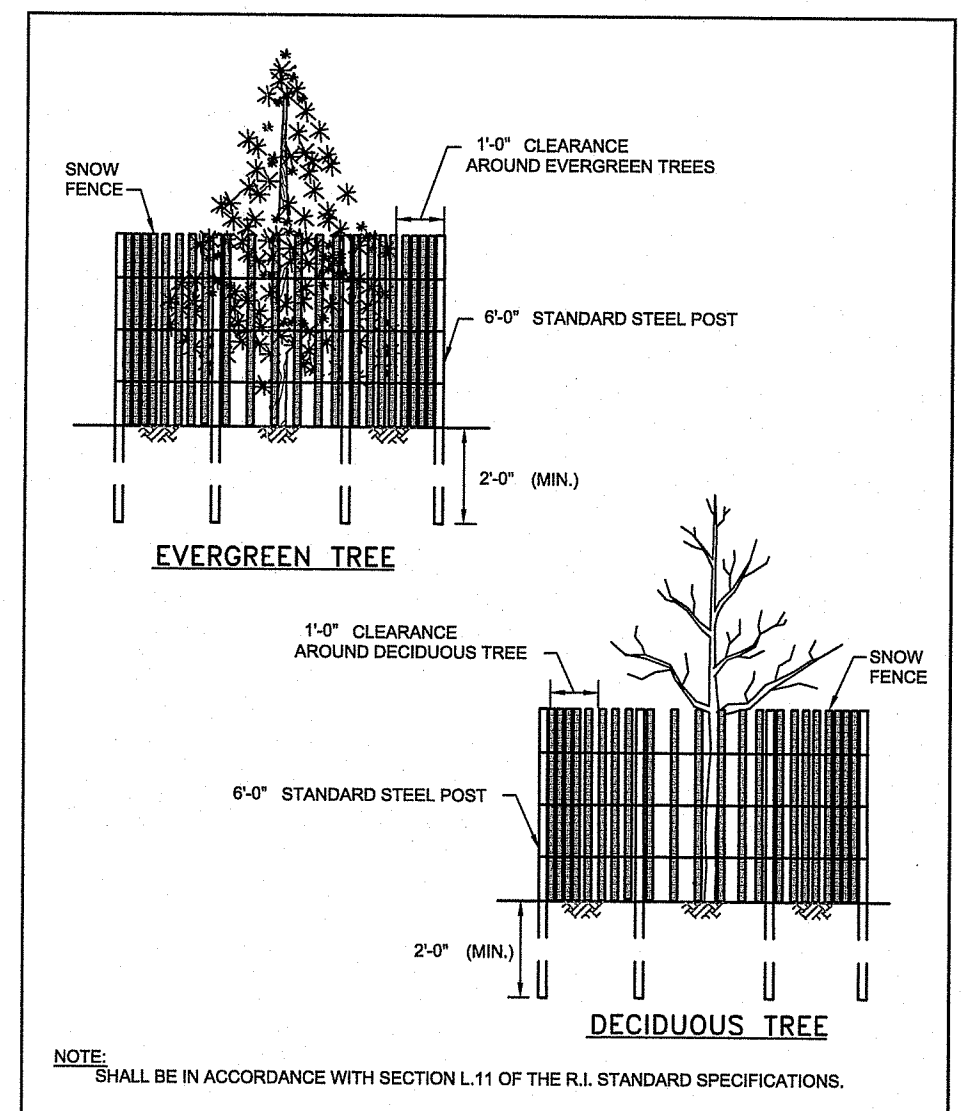
SIGN	DIMENSIONS (INCHES)									
	A	B	C	D	E	F	G	H	I	J
STANDARD	24	36	3/8	5/8	3 1/2	6B	2 1/2	8C	4C	2
RURAL	36	54	5/8	7/8	5	8B	4	8C	6C	3
EXPRESSWAY	48	72	3/4	1 1/4	7	10B	5	10C	8C	5



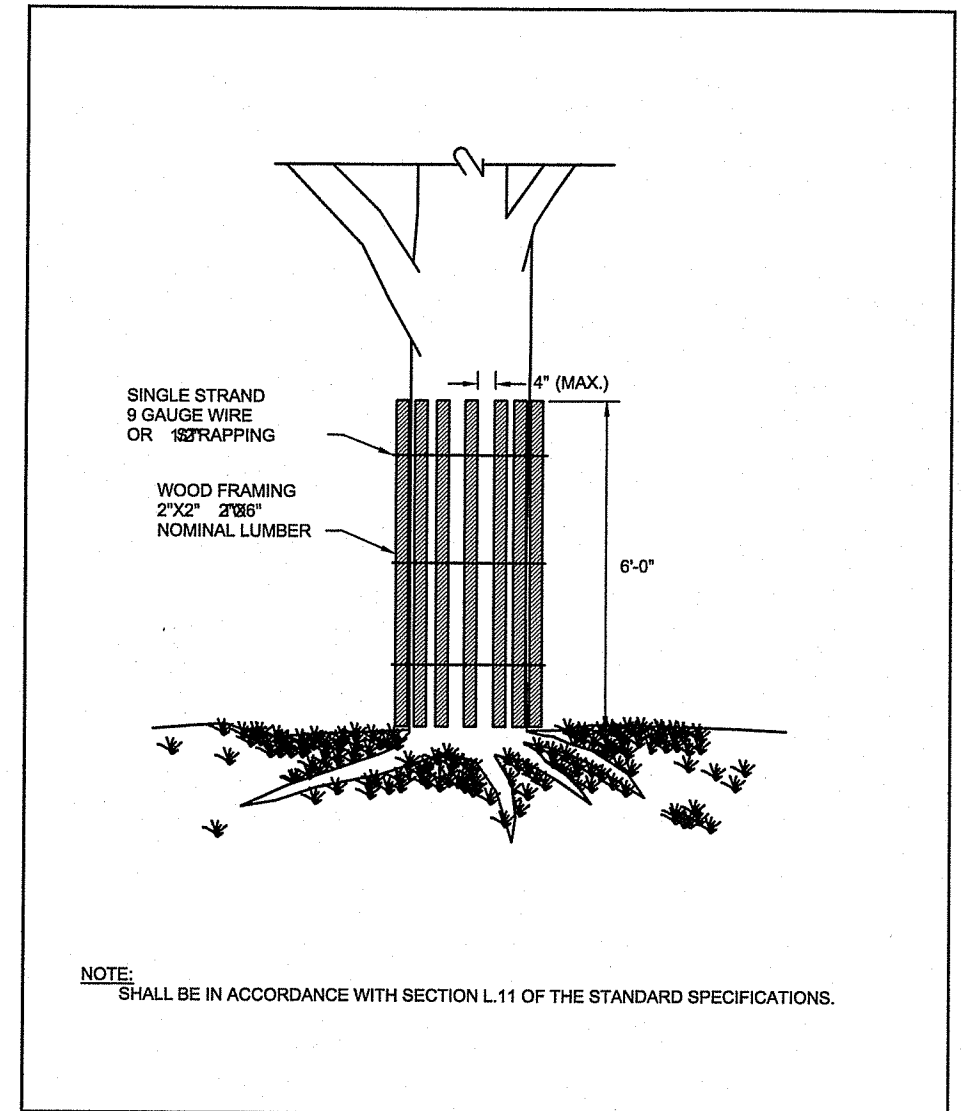
RHODE ISLAND DEPARTMENT OF TRANSPORTATION
PVC PLASTIC PIPE TYPE III BARRICADE
 R.I. STANDARD 26.3.0



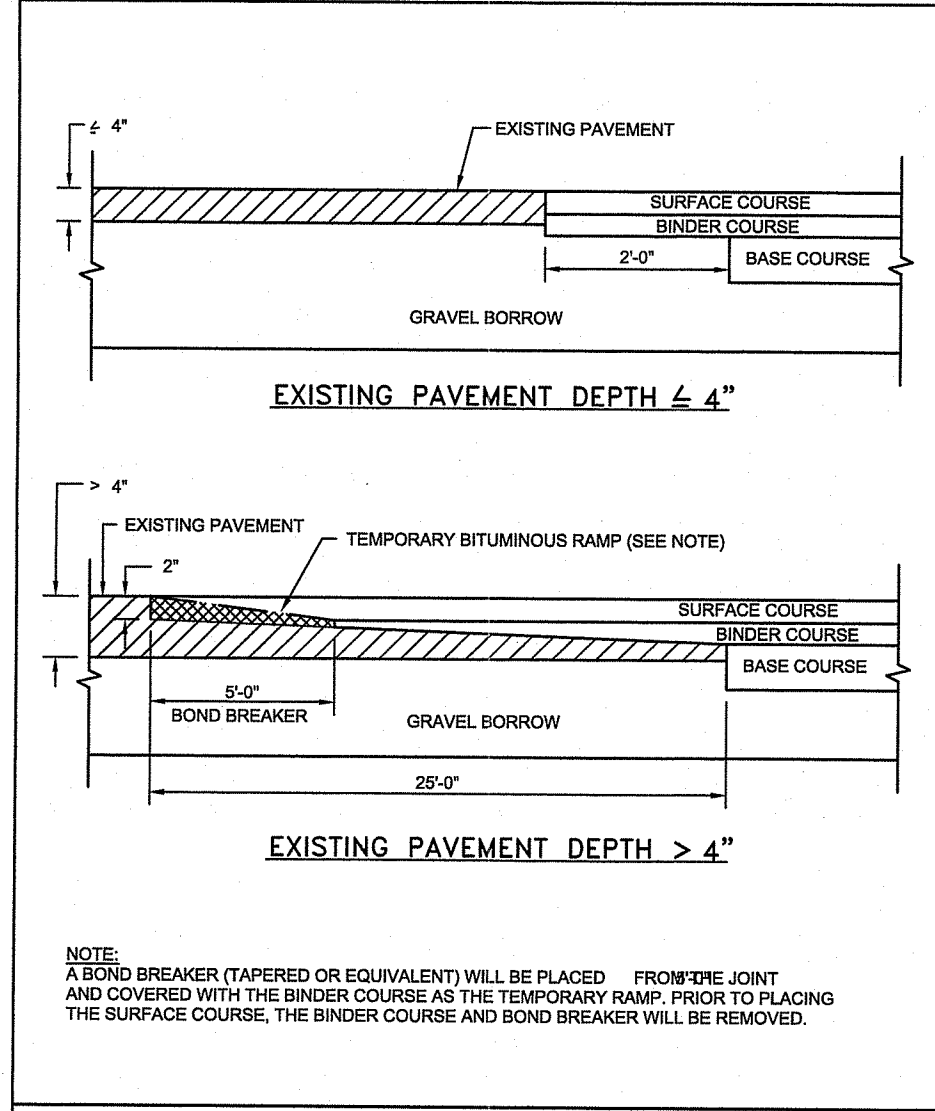
RHODE ISLAND DEPARTMENT OF TRANSPORTATION
POLYETHYLENE DRUM WITH MARKINGS
 R.I. STANDARD 26.2.0



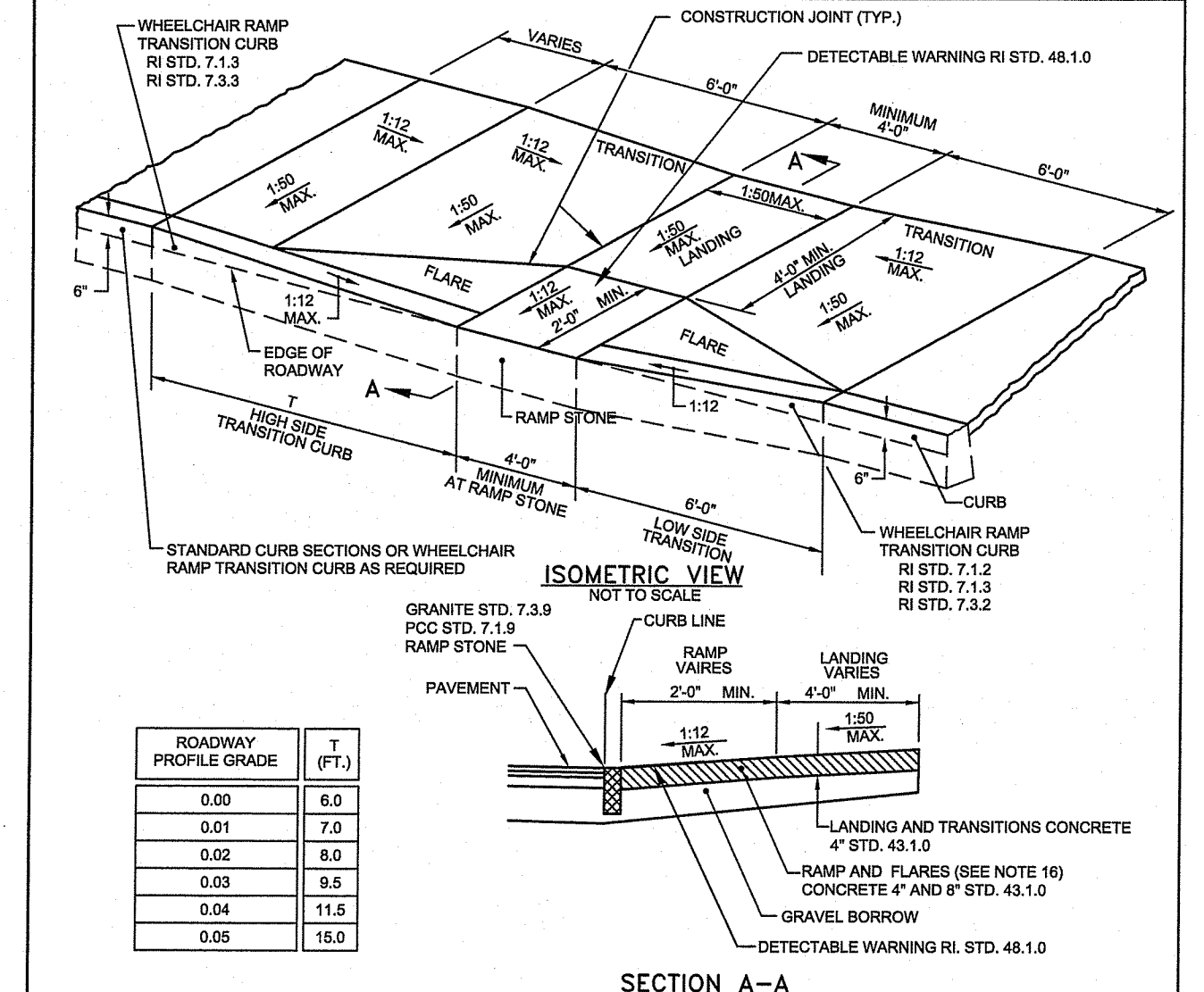
RHODE ISLAND DEPARTMENT OF TRANSPORTATION
**DRIP LINE TREE PROTECTION DEVICE
 FOR EXISTING TREES**
 R.I. STANDARD 51.1.1



RHODE ISLAND DEPARTMENT OF TRANSPORTATION
TREE PROTECTION DEVICE
 R.I. STANDARD 51.1.0

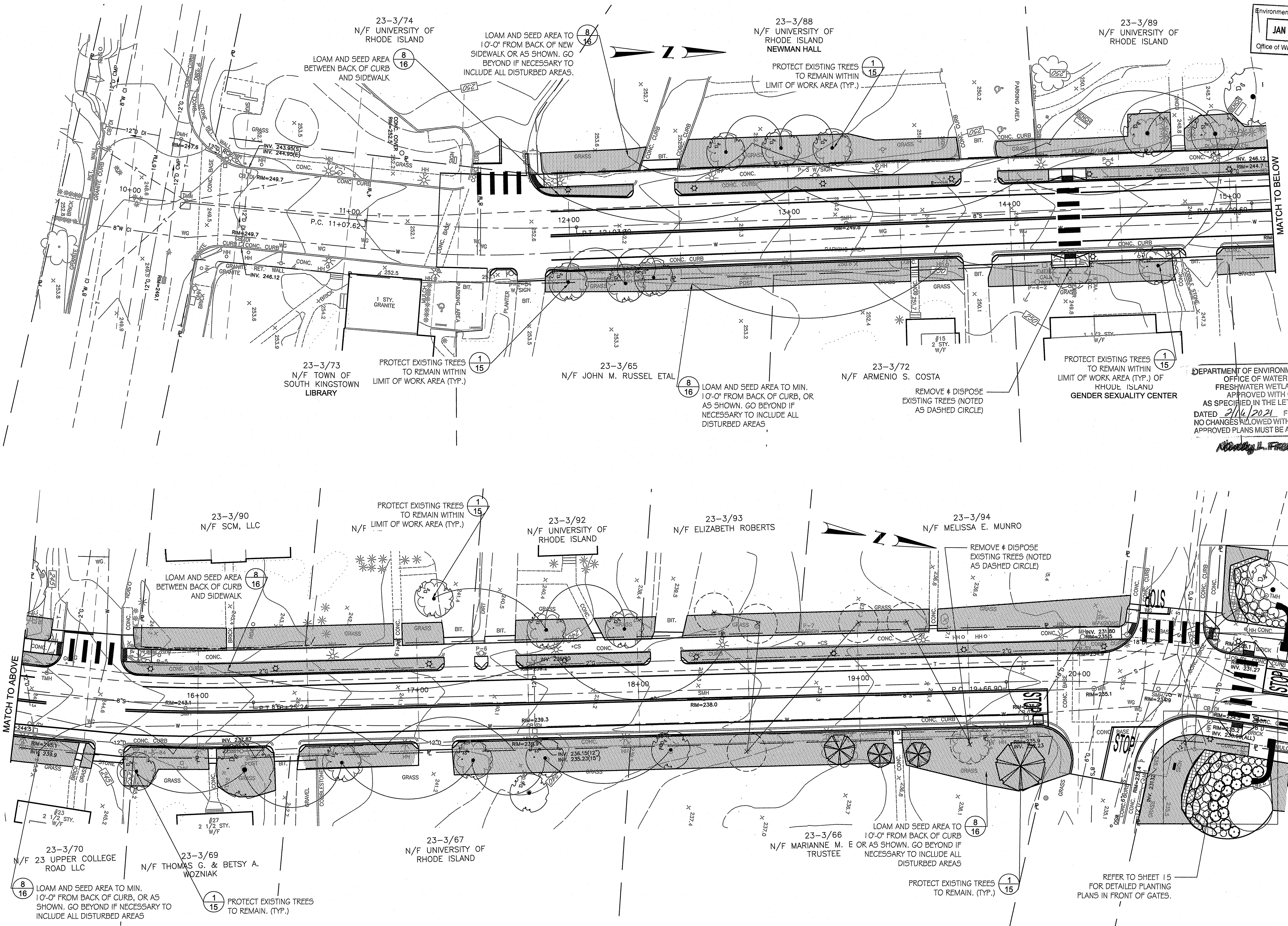


RHODE ISLAND DEPARTMENT OF TRANSPORTATION
**TRANSVERSE PAVEMENT
 CUT AND MATCH**
 R.I. STANDARD 47.1.1



RHODE ISLAND DEPARTMENT OF TRANSPORTATION
WHEELCHAIR RAMP
 R.I. STANDARD 43.3.0

ROADWAY PROFILE GRADE (FT)	T
0.00	8.0
0.01	7.0
0.02	8.0
0.03	9.5
0.04	11.5
0.05	15.0



Environmental Management
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Richard J. Freeman

PROJECT
UPPER COLLEGE ROAD



CLIENT
UNIVERSITY OF RHODE ISLAND

Gordon R. Archibald, Inc.
 Civil and Environmental Engineers
 Pawtucket, Rhode Island

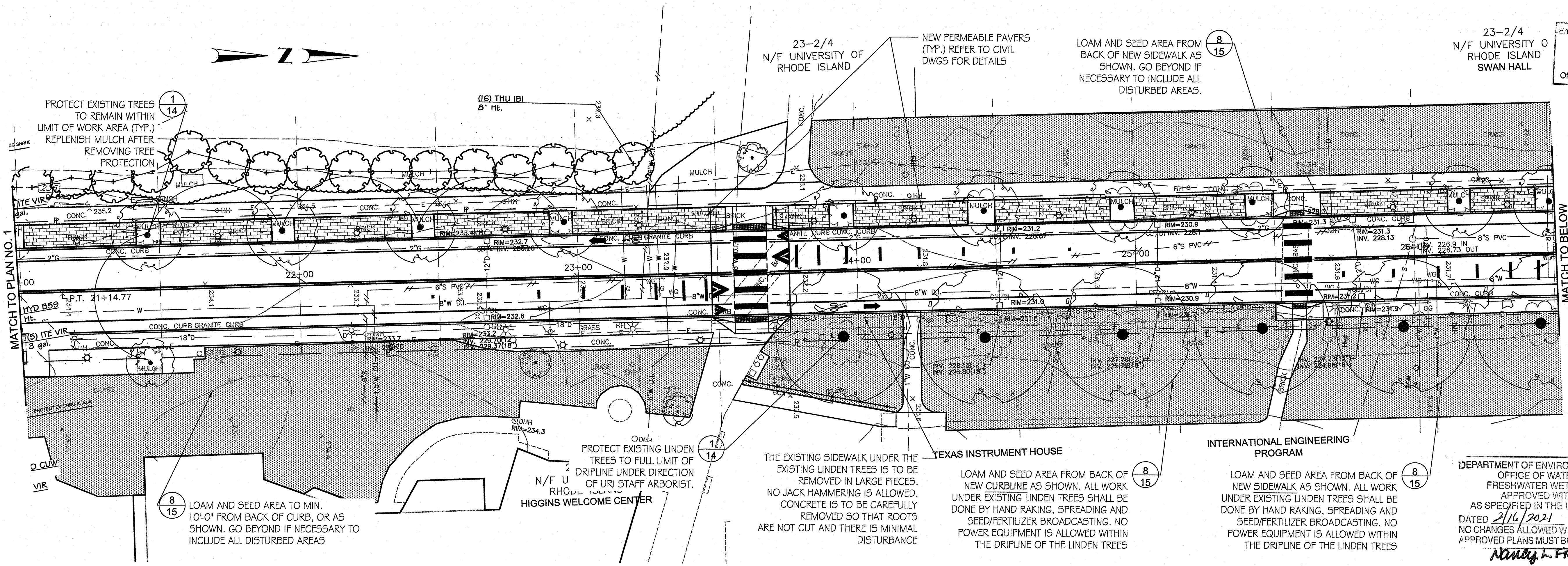
DRAWING TITLE
LANDSCAPE PREPARATION AND PLANTING PLAN 1

NO.	DATE	REVISIONS	BY

PROJECT NO.: 1884
 DATE: JANUARY 2021
 SCALE: 1" = 20'
 DRAWN BY: EMP
 CHECKED BY: EMP

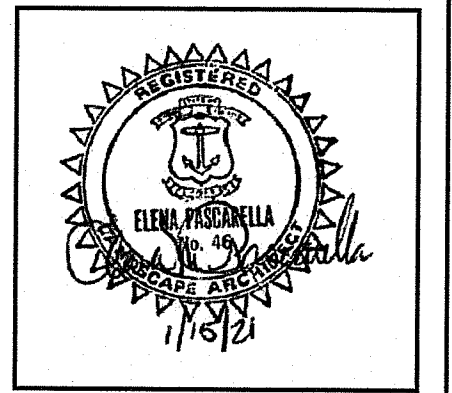
DRAWING NUMBER
53
 SHEET 53 OF 64

Landscape Elements, LLC
 Landscape Architecture
 Landscape Ecology
 Cultural Landscape Preservation
 2380 Post Road, Warwick, RI 02886
 401.773.6888 F 401.773.7659
 www.landscapeelementsllc.com



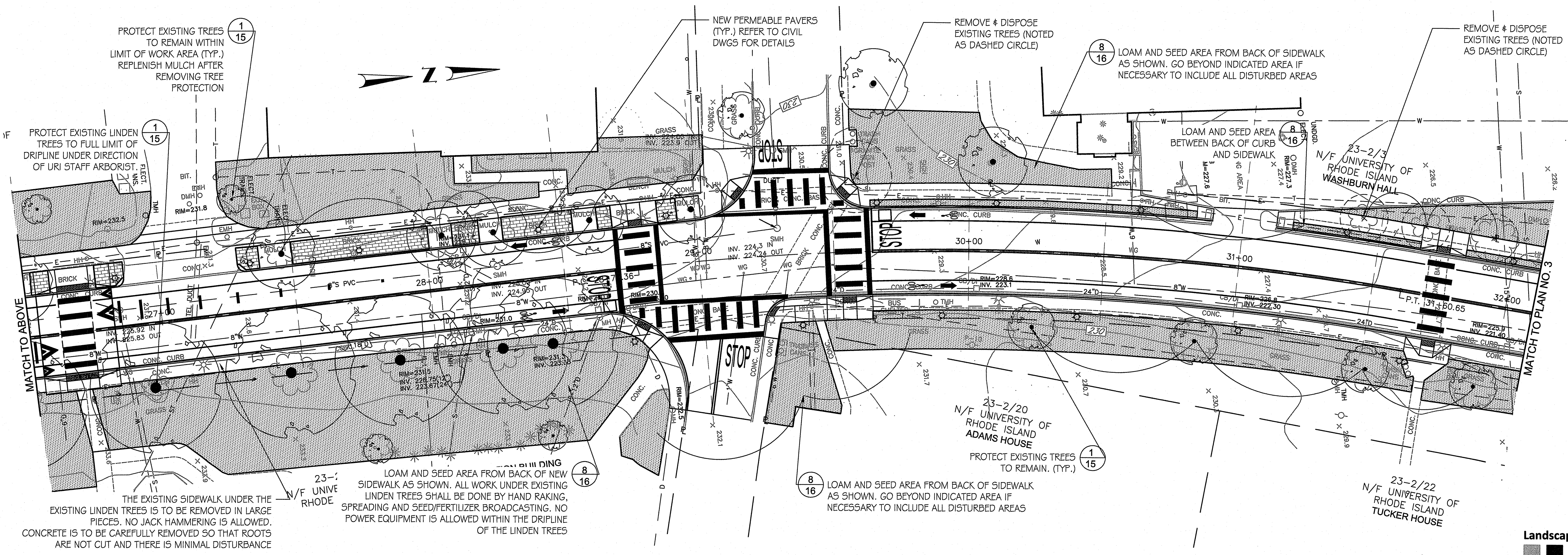
Environmental Management
JAN 19 2021
Office of Water Resources

PROJECT
UPPER COLLEGE ROAD



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Civil and Environmental Engineers
Pawtucket, Rhode Island



DRAWING TITLE
LANDSCAPE PREPARATION AND PLANTING PLAN 2

NO.	DATE	REVISIONS	BY

PROJECT NO.: 1884

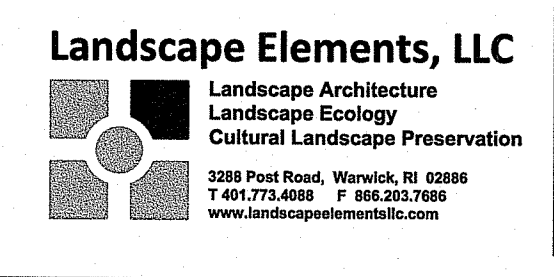
DATE: JANUARY 2021

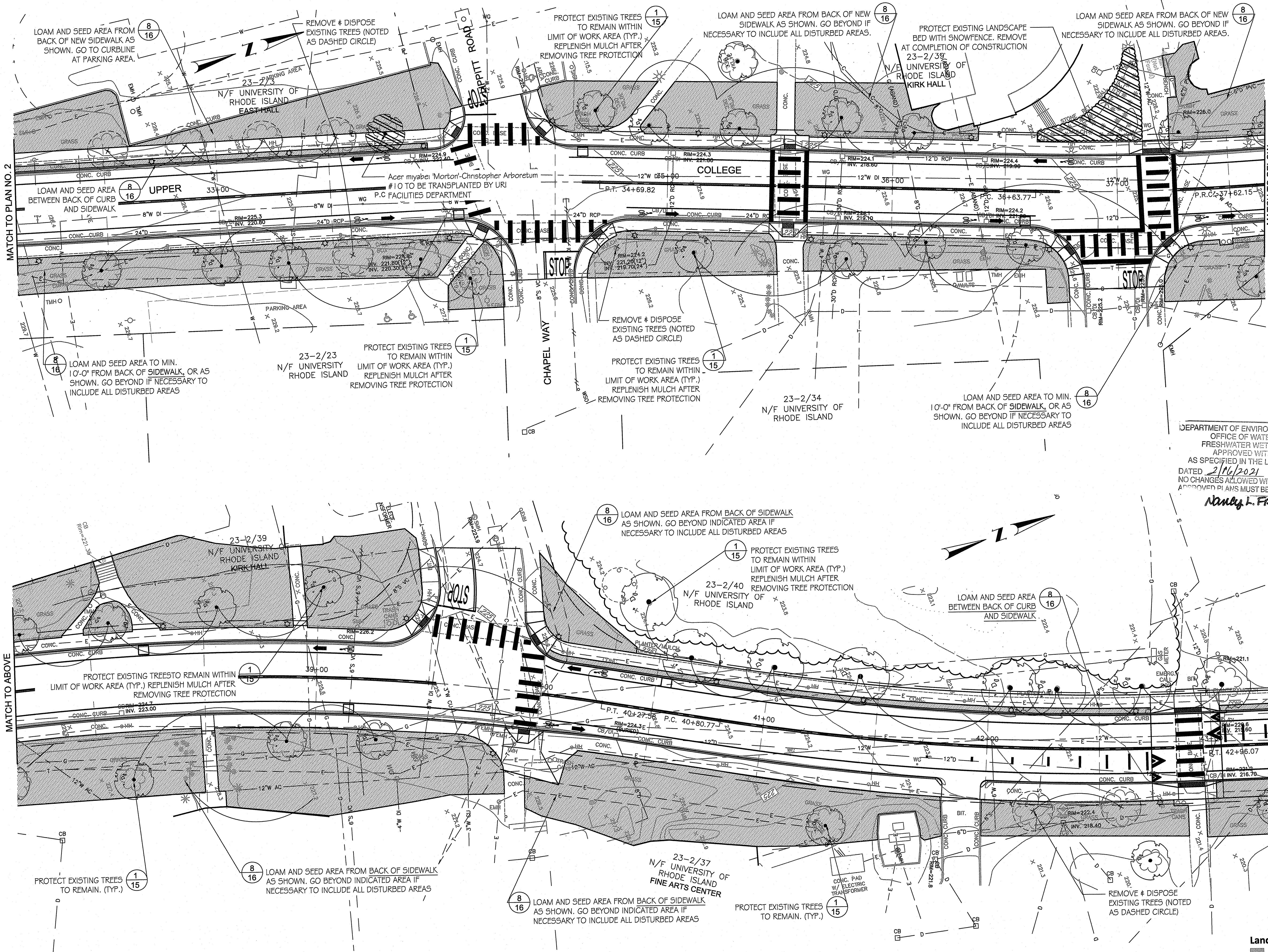
SCALE: 1" = 20'

DRAWN BY: EMP

CHECKED BY: EMP

DRAWING NUMBER
54
SHEET 54 OF 84





JAN 19 2021
Office of Water Resources

PROJECT

UPPER COLLEGE ROAD



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Civil and Environmental Engineers
Pawtucket, Rhode Island



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Nancy J. Freeman

DRAWING TITLE
LANDSCAPE PREPARATION
AND PLANTING PLAN 3

NO.	DATE	REVISIONS

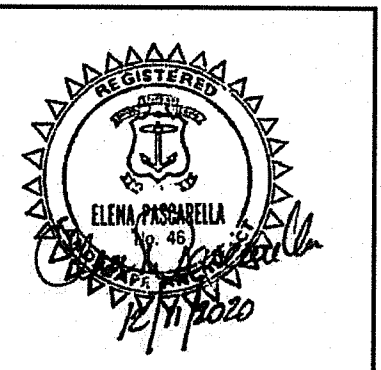
PROJECT NO.:	1884
DATE:	JANUARY 2021
SCALE:	1" = 20'
DRAWN BY:	EMP
CHECKED BY:	EMP

LANDSCAPE ELEMENTS, LLC
Landscape Architecture
Landscape Ecology
Cultural Landscape Preservation
2388 Post Road, Warwick, RI 02889
401-773-8088 F 401-253-7386
www.landscapeelementsllc.com

DRAWING NUMBER
55
SHEET 36 OF 64

Environmental Management
JAN 19 2021
 Office of Water Resources

PROJECT
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UNIVERSITY OF RHODE ISLAND
 Gordon R. Archibald, Inc.
 Civil and Environmental Engineers
 Pawtucket, Rhode Island

DRAWING TITLE
LANDSCAPE DETAILS

NO.	DATE	REVISIONS	BY

PROJECT NO.: 1884

DATE: DECEMBER 2020

SCALE: 1" = 20'

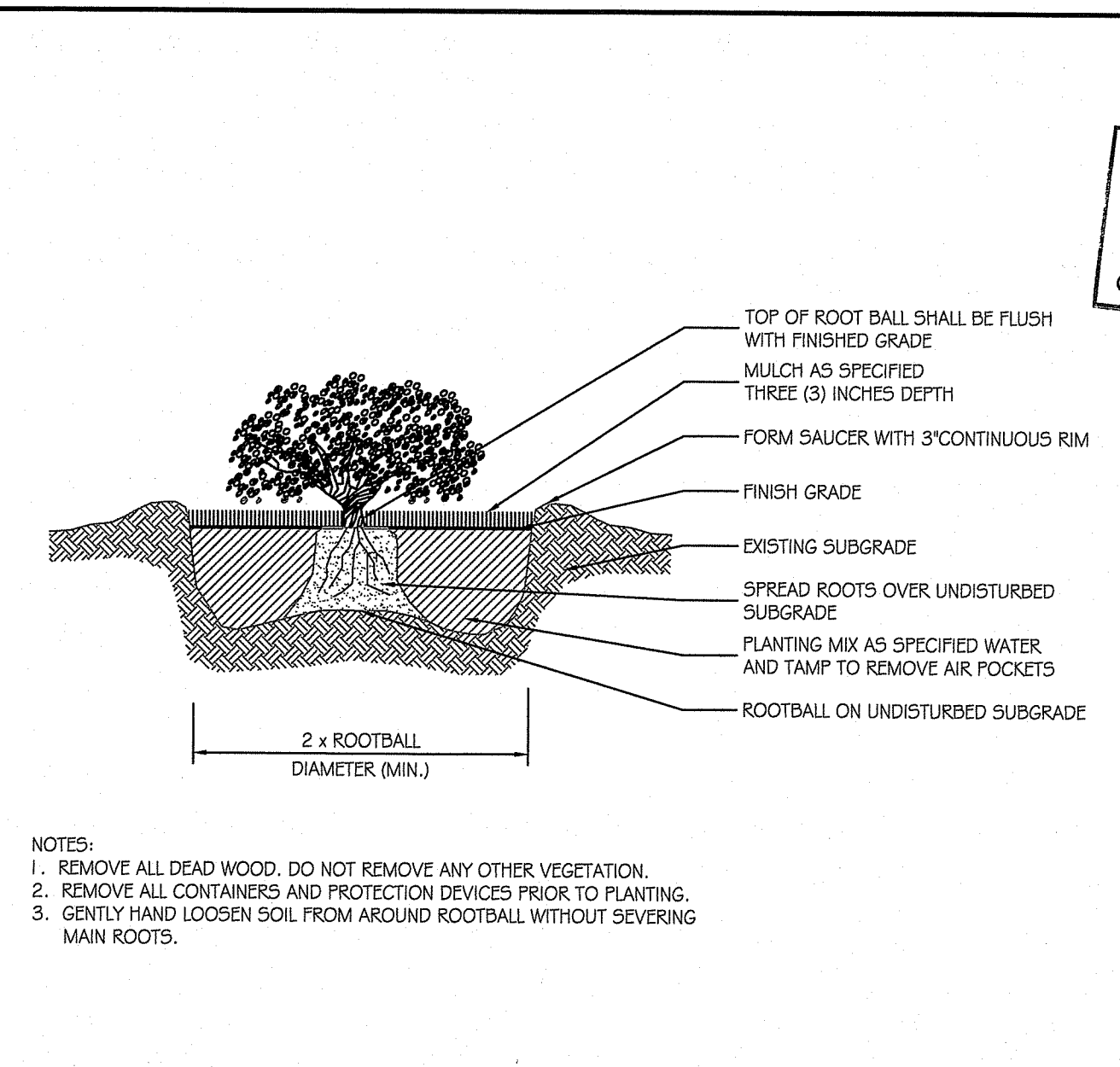
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CHECKED BY: EMP

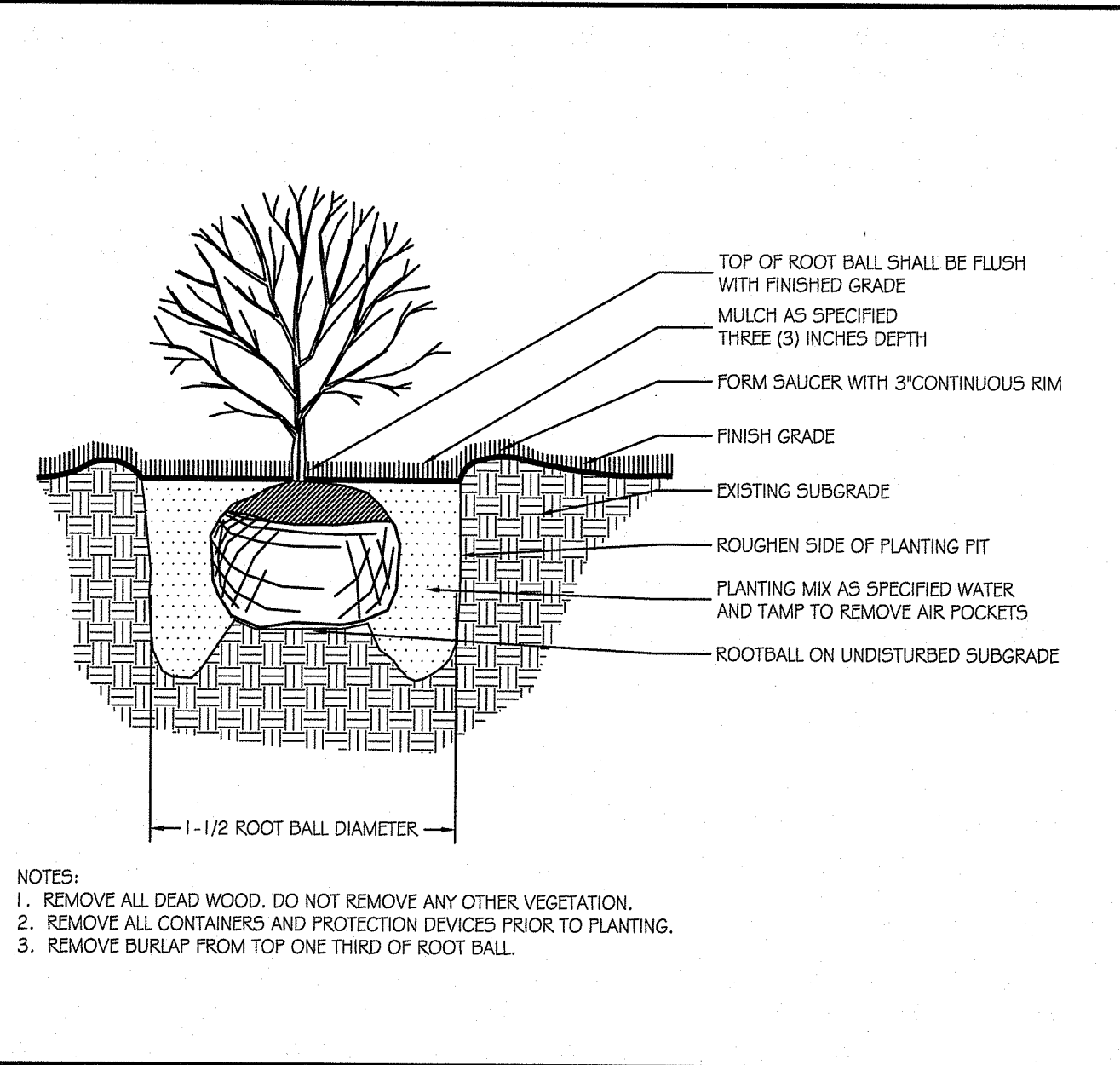
DRAWING NUMBER

57
 SHEET 57 OF 59

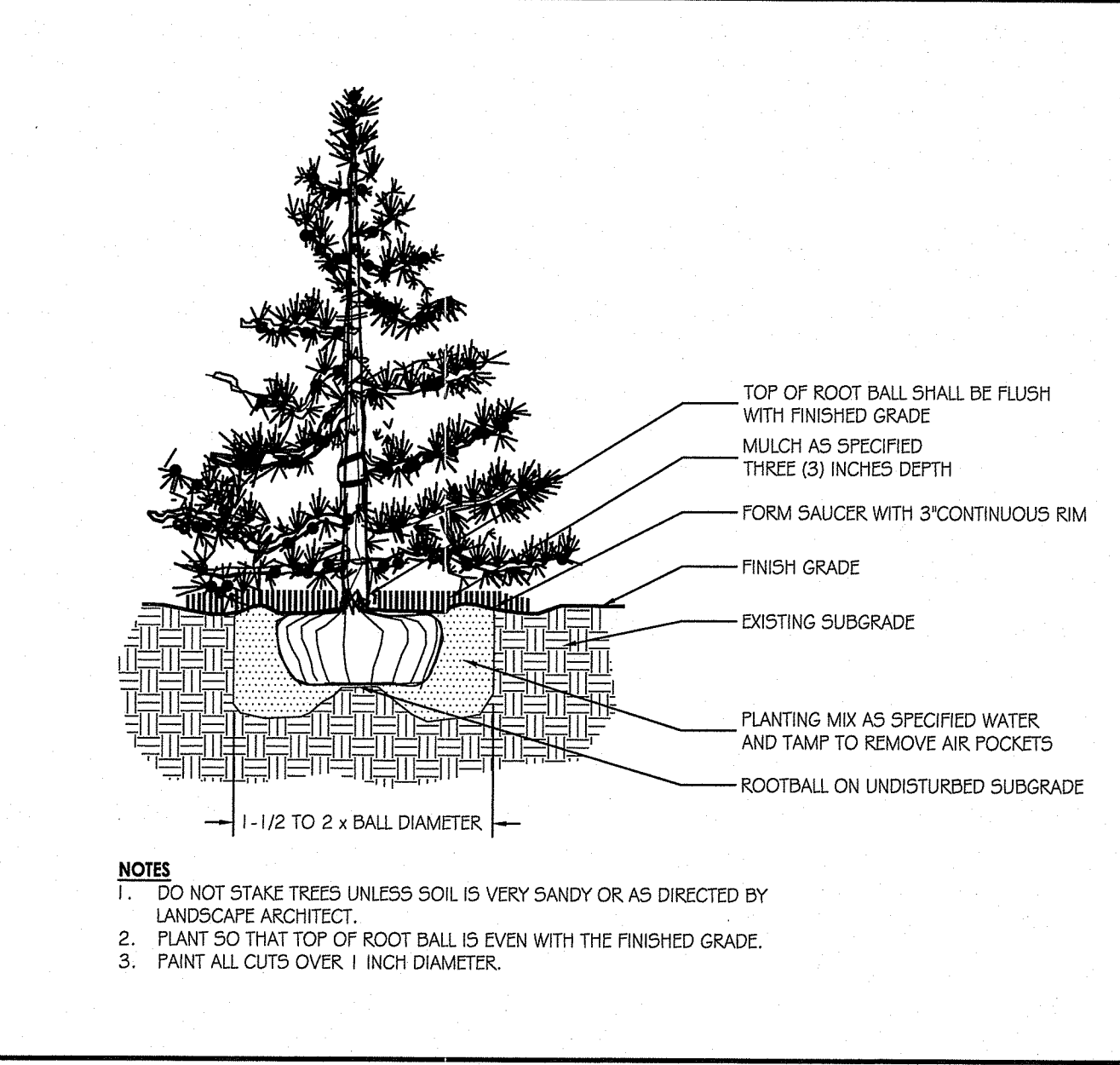
Landscape Elements, LLC
 Landscape Architecture
 Landscape Ecology
 Cultural Landscape Preservation
 2205 Post Road, Suite 20
 Warwick, Rhode Island 02886
 T 401.773.4000 F 401.923.7900
 www.landscapeelementsllc.com



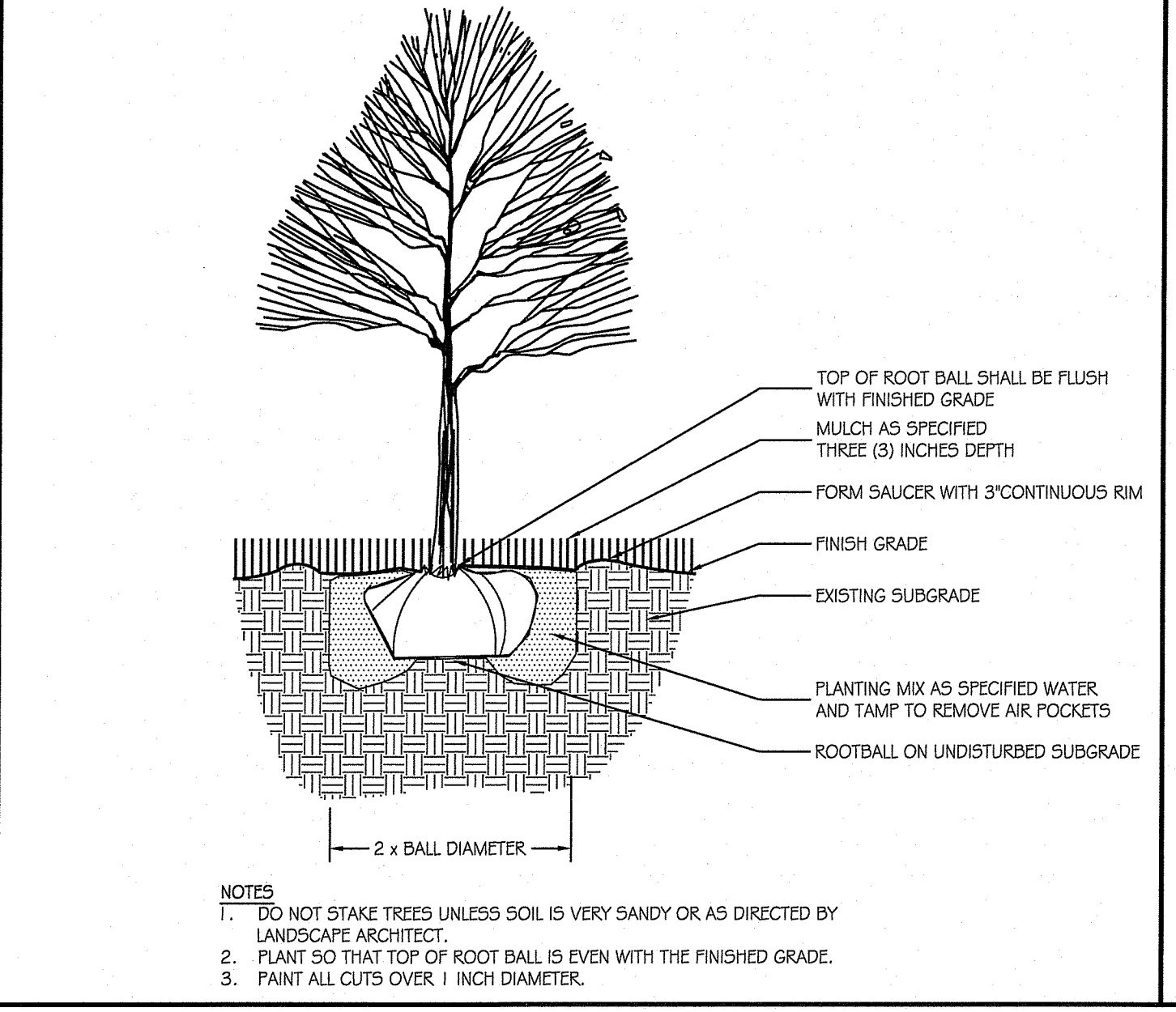
4 SHRUB CONTAINER GROWN
 SCALE: 1/2" = 1'-0"



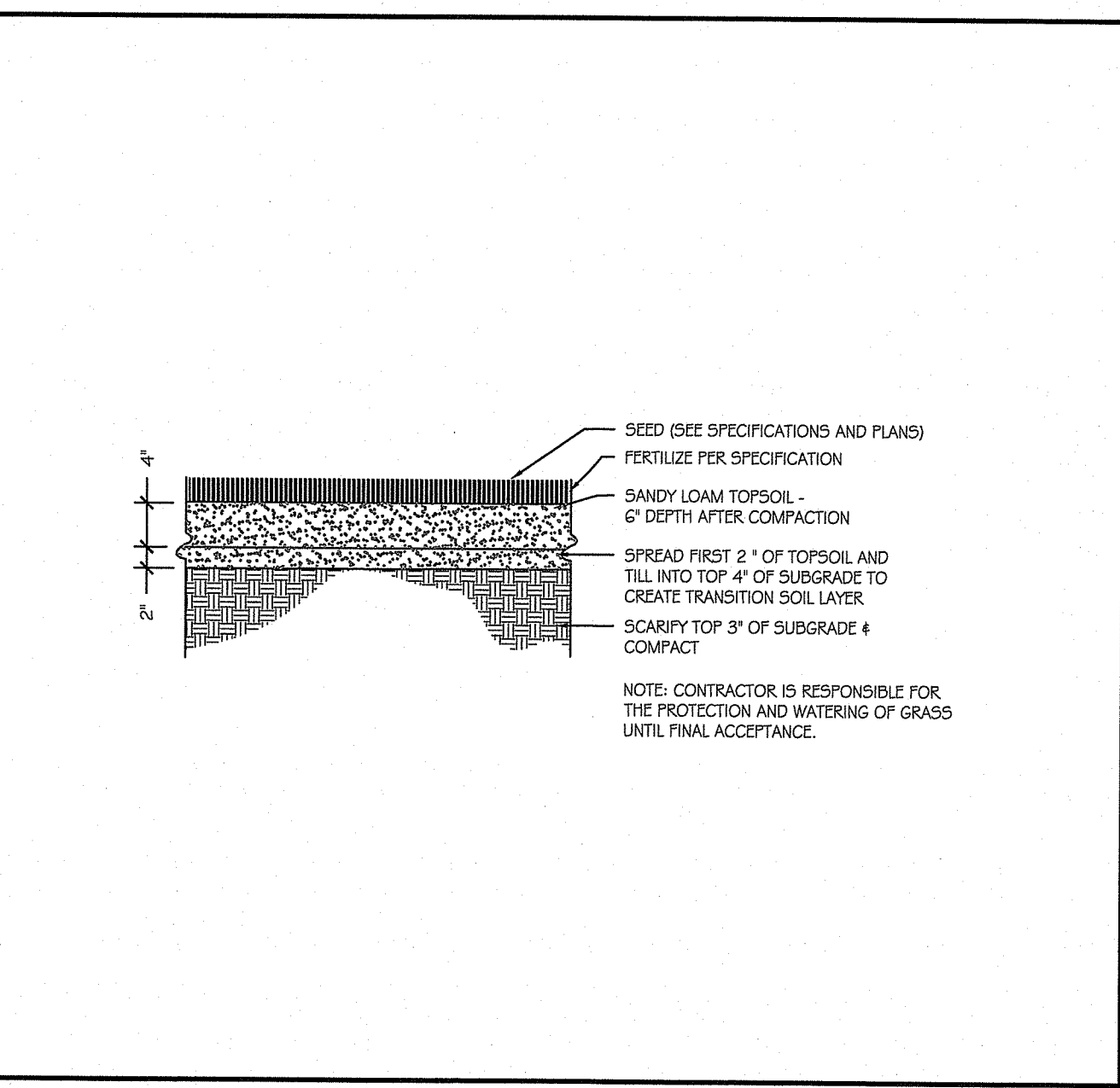
3 SHRUB BALLED & BURLAPPED
 SCALE: 1/2" = 1'-0"



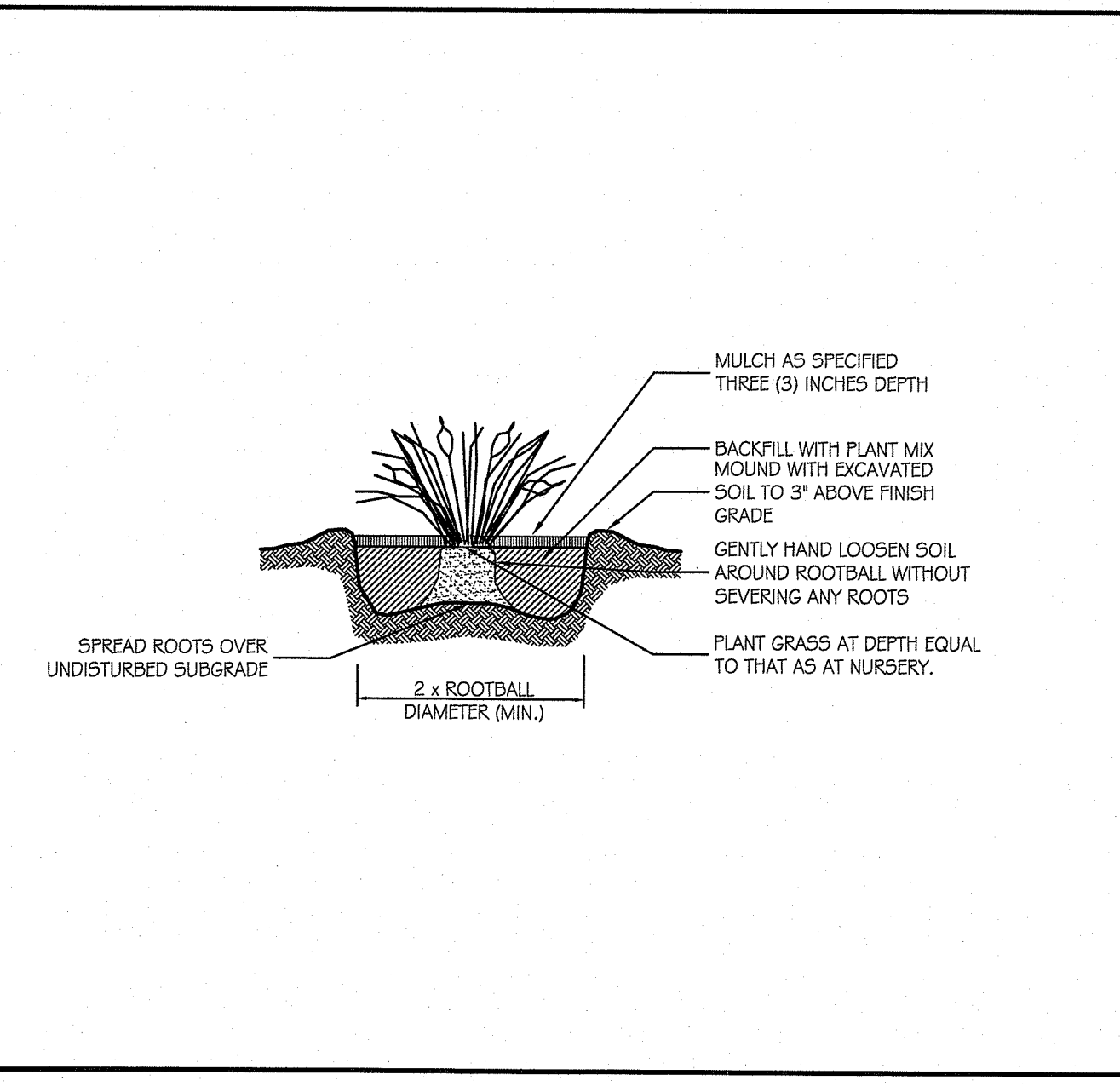
2 EVERGREEN TREE
 SCALE: 1/2" = 1'-0"



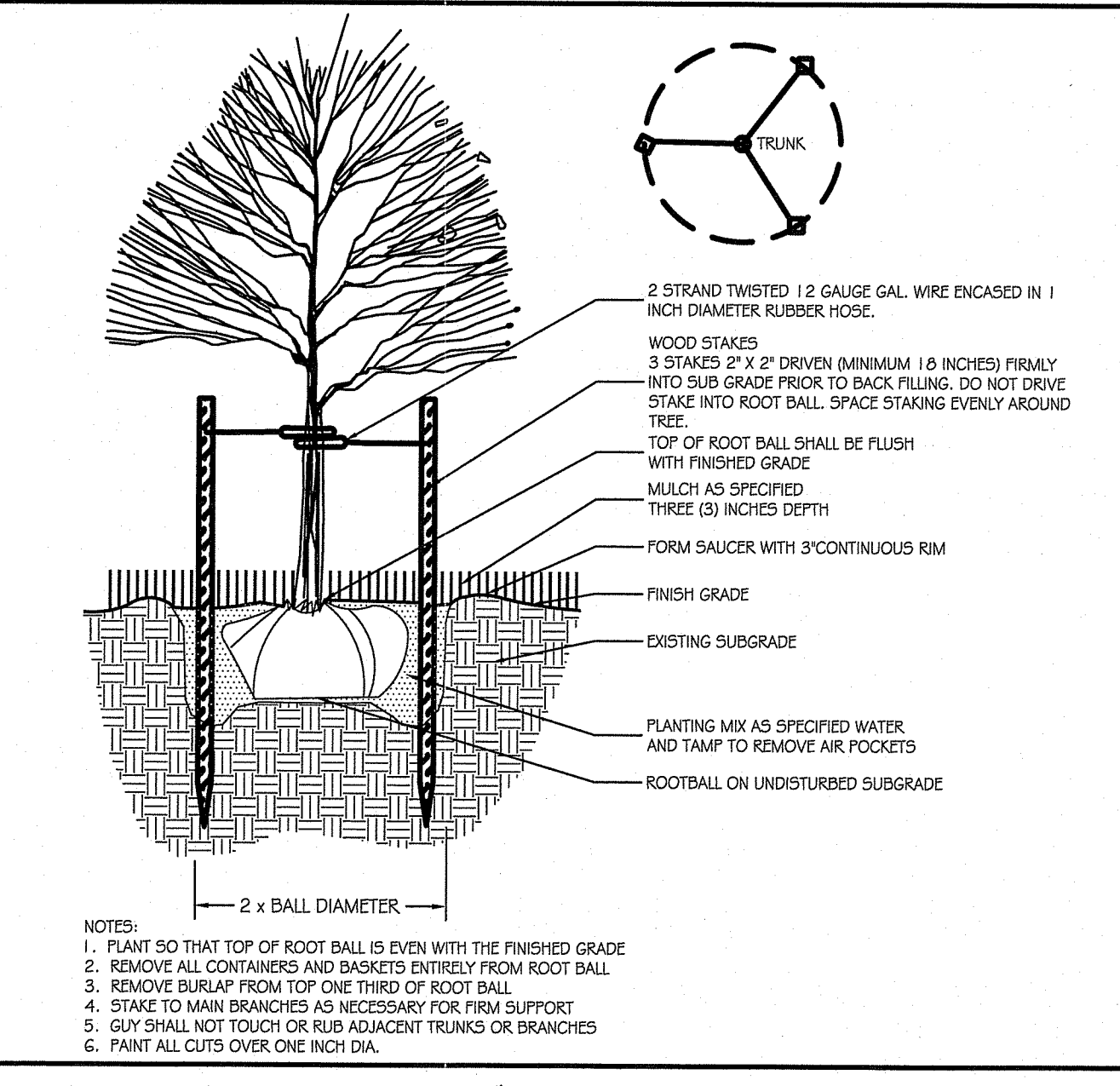
1 DECIDUOUS TREE
 SCALE: 1/2" = 1'-0"



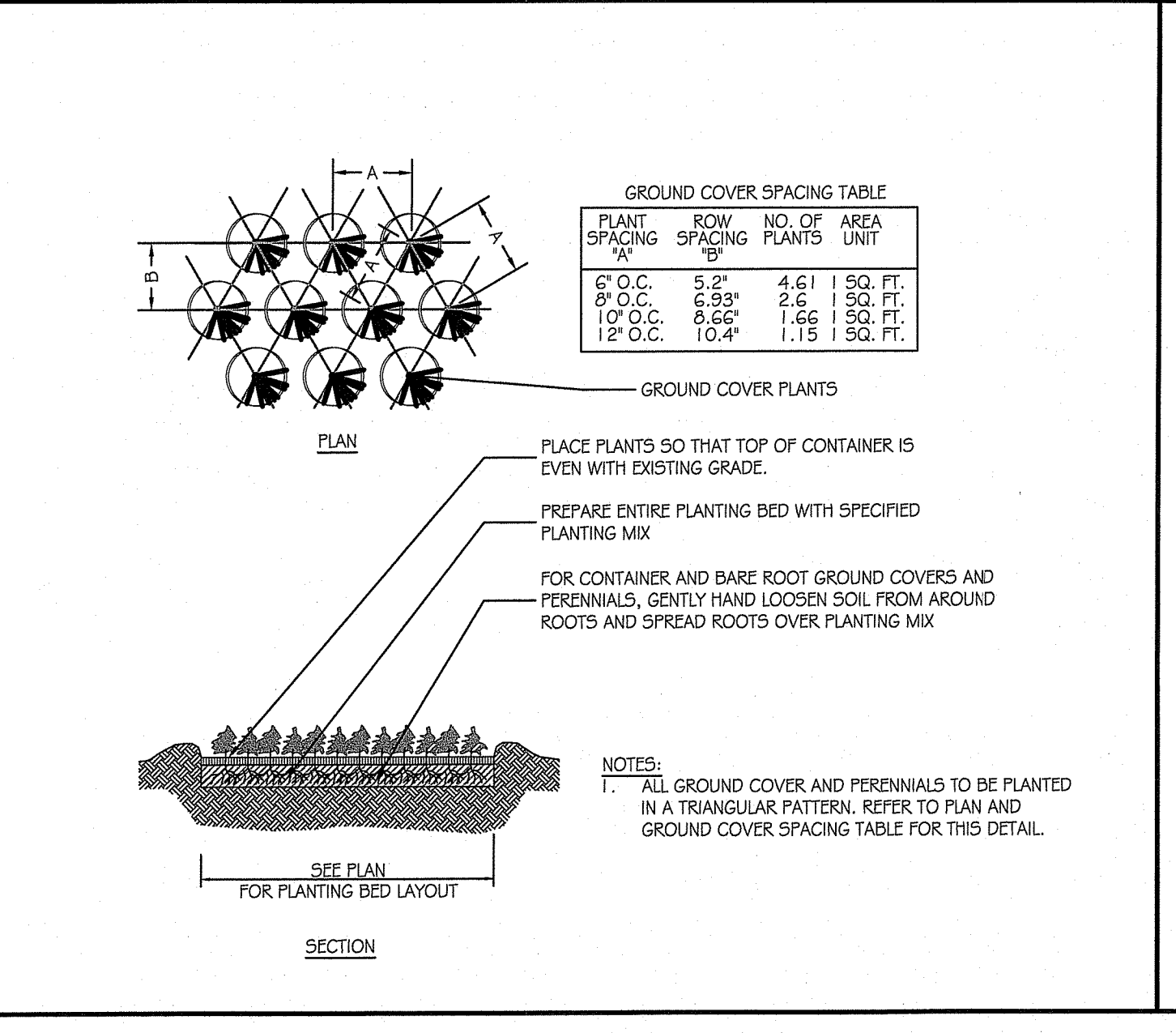
8 LAWN- TOPSOIL PLANTING
 SCALE: 1/2" = 1'-0"



7 ORNAMENTAL GRASSES
 SCALE: 1/2" = 1'-0"



6 DECIDUOUS TREE - STAKED
 SCALE: 1/2" = 1'-0"



5 GROUND COVER
 SCALE: 1/2" = 1'-0"

PLANTING NOTES:

- VERIFY LOCATIONS OF ALL SITE IMPROVEMENTS INSTALLED. IF ANY PART OF THIS PLAN CANNOT BE IMPLEMENTED DUE TO SITE CONDITIONS, CONTACT THE LANDSCAPE ARCHITECT, PROJECT MANAGER PRIOR TO COMMENCING WORK.
- CONTACT CALL BEFORE YOU DIG TO CONFIRM ALL UTILITY LOCATIONS BEFORE COMMENCING ANY LANDSCAPE INSTALLATION WORK.
- PERFORM EXCAVATION FOR LANDSCAPE WORK IN THE VICINITY OF UNDERGROUND UTILITIES WITH CARE, AND IF NECESSARY, BY HAND. CONTRACTOR BEARS FULL RESPONSIBILITY FOR THIS WORK AND DISRUPTION OR DAMAGE TO UTILITIES SHALL BE REPAIRED IMMEDIATELY AT NO EXPENSE TO THE OWNER.
- CONTRACTOR TO VERIFY PLANT COUNTS AND SQUARE FOOTAGES. QUANTITIES ARE PROVIDED AS OWNER INFORMATION ONLY. IF QUANTITIES ON PLANT LIST DIFFER FROM GRAPHIC INDICATIONS, THEN GRAPHIC INDICATIONS SHALL PREVAIL.
- ALL DISTURBED AREAS NOT COVERED BY STRUCTURES, PAVEMENT, STONE, MULCH OR PLANTING BEDS AND TREE PITS SHALL BE TOP SOILED AND SEEDED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING ALL TOPSOIL AND PROVIDING TEST RESULTS TO THE LANDSCAPE ARCHITECT PRIOR TO PLACING TOPSOIL.
- ALL AREAS TO RECEIVE SEED SHALL BE PREPARED BY: A) REMOVING ALL STONES, PAVEMENTS, GRAVEL, ETC.; B) SCARIFYING EXISTING SUB GRADE; C) PLACING 6\"/>
- LANDSCAPE ARCHITECT SHALL REVIEW PLANT MATERIALS AT NURSERY SOURCE PRIOR TO DELIVERY TO SITE. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY AND ALL PLANT MATERIAL WHEN DELIVERED TO THE SITE. THE CONTRACTOR SHALL RECEIVE LANDSCAPE ARCHITECT'S APPROVAL OF PLANT MATERIAL QUALITY AND LOCATION PRIOR TO INSTALLATION.
- FINAL LOCATION OF PLANTING TO BE VERIFIED IN THE FIELD BY THE LANDSCAPE ARCHITECT BEFORE DIGGING. CONTRACTOR SHALL STAKE OUT ALL PLANTING BEDS AND FLAG ALL TREES AND EACH INDIVIDUAL SHRUB PRIOR TO UNLOADING PLANTS FROM TRUCK.
- SPADE EDGE ALL PLANTING BEDS IN LAWN AREAS.
- PLANTING MIX BACKFILL FOR PLANT HOLES TO BE IN ACCORDANCE WITH THE SPECIFICATIONS
- PRUNE NEWLY PLANTED TREES AND SHRUBS ONLY AS DIRECTED BY LANDSCAPE ARCHITECT.

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