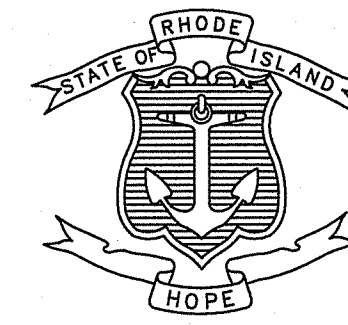


# INDEX

SHEET NO.	DESCRIPTION
<b>BRIDGE PLANS</b>	
1	COVER SHEET
2	LIST OF ABBREVIATIONS
3	STANDARD PLAN SYMBOLS AND STANDARD LEGEND
4 & 5	STANDARD NOTES 1 AND 2
6	JOB SPECIFIC LEGEND, TYPICAL SECTION & PROFILE
7	BRIDGE GENERAL NOTES
8	TYPICAL SECTIONS
9	GENERAL PLAN
10	CULVERT DETAILS
11	WALL DETAILS - 1
12	WALL DETAILS - 2
13	SEQUENCE OF CONSTRUCTION

## STATE OF RHODE ISLAND



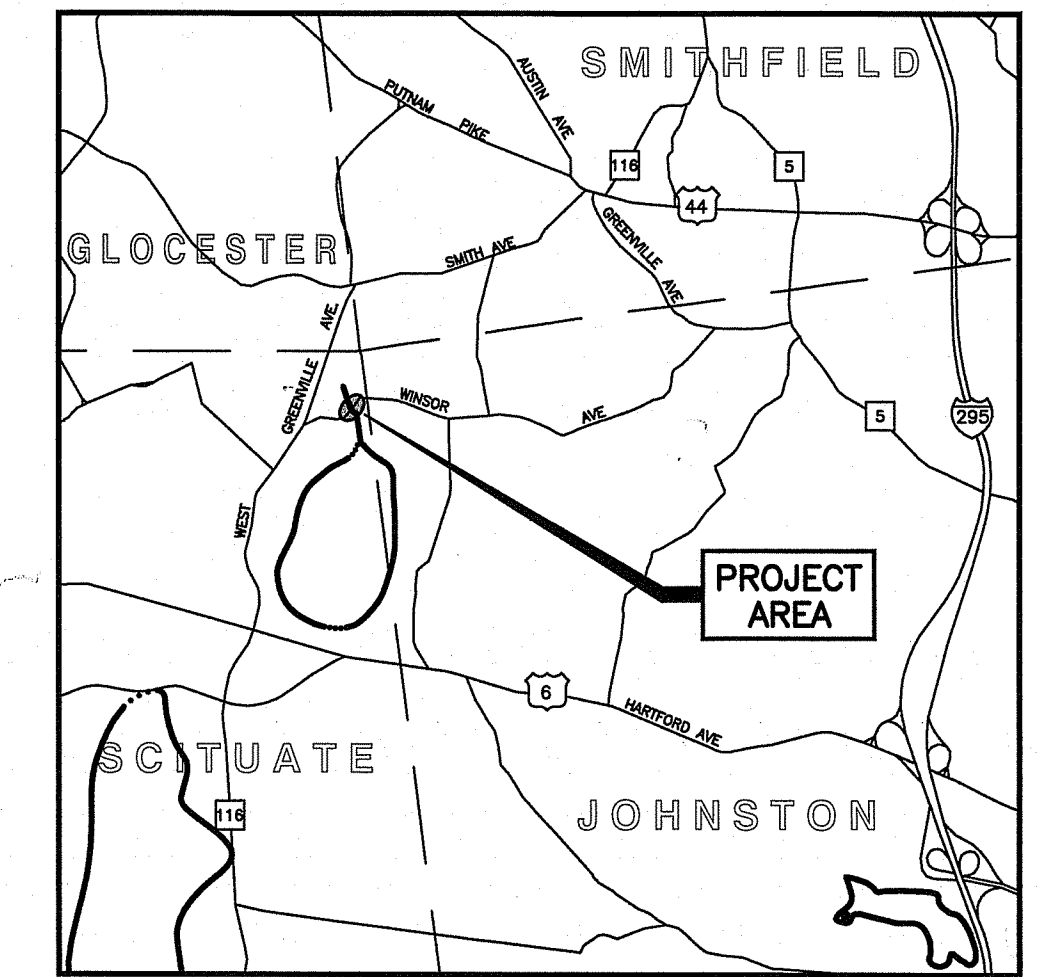
# DEPARTMENT OF TRANSPORTATION

## PLAN, PROFILE AND SECTIONS OF PROPOSED STATE HIGHWAY

### REPLACEMENT OF BLANCHARD SAWMILL CULVERT NO. 313

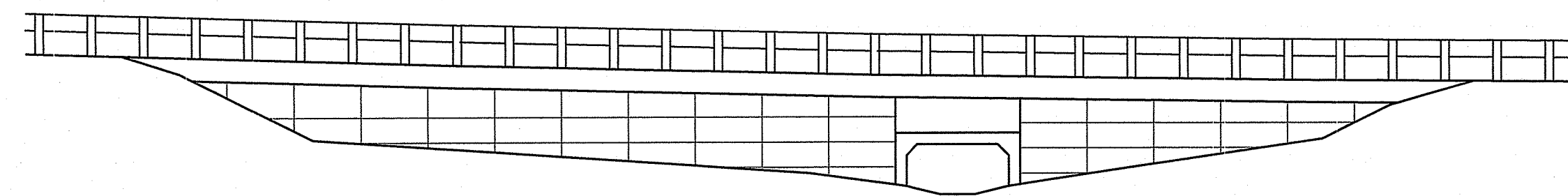
TOWN OF SCITUATE  
COUNTY OF PROVIDENCE

R.I. CONTRACT NO. 2018-CB-016 F.A. PROJECT NO. 405-421-878

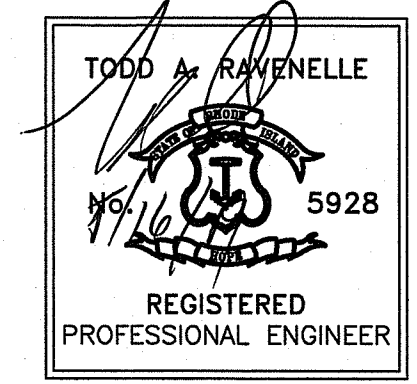


LOCATION MAP  
SCALE: 1" = 1 MILE  
Environmental Management  
MAY 16 2019  
Office of Water Resources

DESIGN	DESIGNATION
2014 AADT	3,800 V.P.D.
2024 AADT	3,900 V.P.D.
D	51%
K	13%
T	2%
DDHV	252 V.P.H.
DHV	494 V.P.D.
DESIGN SPEED	25 M.P.H.



SOUTH WALL ELEVATION  
SCALE: 1/8" = 1'-0"



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED JUN 12 2019 FILE # 18-0173  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

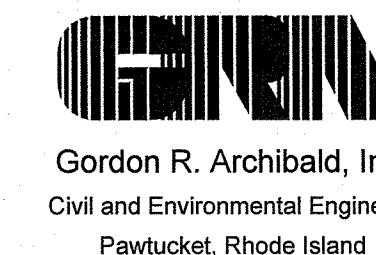
**PERMIT SUBMISSION**  
**JUNE 29, 2018**  
**REVISED MAY 16, 2019**

*Charles A. Haber*

R.I. DEPARTMENT OF TRANSPORTATION	
APPROVED	
ADMINISTRATOR, PROJECT MANAGEMENT	DATE
APPROVED	
CHIEF ENGINEER OF INFRASTRUCTURE	DATE
APPROVED	
DIRECTOR	DATE
DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION	
APPROVED	
DIVISION ADMINISTRATOR	DATE

**R.I. STANDARD SPECIFICATIONS AND STANDARD DETAILS**

SPECIFICATIONS TO GOVERN THIS PROJECT ARE THE R.I. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AMENDED AUGUST 2013, WITH ALL REVISIONS, AND THE STATE AND FEDERAL SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS. STANDARD DETAILS FOR THIS PROJECT ARE R.I. STANDARD DETAILS, 1998 EDITION, WITH ALL REVISIONS.



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

Contract Number 2018-CB-016  
Number of Sheet 1  
Total Sheets 13



EXISTING

NEW

EDGE OF PAVEMENT

BERM

CURB

GUARDRAIL

MAILBOX

UTILITY POLE

POLE GUY

LUMINARE

SIGN

SUBDRAIN

STORMDRAIN

SANITARY SEWER

WATER MAIN

GAS MAIN

TELEPHONE DUCT

ELECTRIC DUCT

PLUG AND CAP PIPE

ABANDONED UTILITY

FLARED END SECTION

HEADWALL

WATER OR GAS GATE

CATCH BASIN

MANHOLE

HYDRANT

BASELINE OR CENTERLINE

STATE HIGHWAY LINE

STATE FREEWAY LINE

PERMANENT EASEMENT LINE

TEMPORARY EASEMENT LINE

PROPERTY LINE

CITY OR TOWN LINE

PAVED WATERWAY

CONTOUR LINE

OPEN DITCH

R.I. HIGHWAY BOUND

STONE BOUND

RETAINING WALL

FIELD STONE WALL

BORINGS

FENCE

WOOD OR BRUSH LINE

TREES

RIVER OR STREAM

WETLAND AREA

BUILDING

FOUNDATION

BUILDING TO BE REMOVED

RAILROAD TRACKS

CUT AND MATCH

RIP-RAP

CUT SLOPE

FILL SLOPE

ROCK CUT

SPOT GRADE

AREA GRADED TO DRAIN

BALED HAY RI STD 9.1.0

BALED HAY & SILT FENCE RI STD. 9.3.0

EDGE OF WETLAND

WETLAND PERIMETER

AREA SUBJECT TO STORM FLOOD

100-YEAR FLOOD PLAIN

LIMIT OF DISTURBANCE

LIMIT OF CLEARING

(Length → Size)

N(SIZE)SD

(Length → Size)

N(SIZE)W

N(SIZE)G

N-(SIZE)T

N-(SIZE)E

1+00

NEW S.H.L. PLAT NO. XX

NEW S.F.L. PLAT NO. XX

NEW P.E.B.

NEW T.E.B.

ELEV.

NO.

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NO.

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1.1.0

1.3.0

2.1.0

2.2.0

2.3.0 (DIA.)

3.2.0

3.2.1 (DIA.)

3.3.0

3.3.2

3.3.3

3.4.0

3.4.1

3.4.2

3.4.3

3.4.4

3.4.5 (DIA.)

3.5.0

3.5.1 (SIZE)

3.6.0

3.7.0 (DIA.)

4.2.0

4.2.1

4.2.2

4.3.0 (SIZE)

4.4.0 (DIA.)

4.5.0

4.5.1

4.5.2

5.3.0

5.4.0

6.1.0

6.1.1

6.2.0

6.2.1

6.3.0

6.3.1

6.3.2

6.3.3

6.3.4

6.4.0

7.1.0S

7.1.0C

7.1.1

7.1.2

7.1.4

7.1.5

7.1.6

7.1.7

7.1.8

7.2.0S

7.2.0C

7.2.1

7.2.2

7.3.0S

7.3.0C

7.3.1

7.3.2

7.3.3

7.3.4

7.3.5

7.3.6

7.3.7

7.3.8

7.4.0

7.4.1

UNDERDRAIN

CONCRETE CONNECTING COLLAR

CONCRETE HEADWALLS FOR PIPE CULVERTS

STANDARD HEADWALLS FOR MULTIPLE 3'-6" TO 7'-0" PIPE CULVERTS

PRECAST CONCRETE FLARED END SECTION

BRICK/SOLID BLOCK 4'-0" ROUND MANHOLE

BRICK/SOLID BLOCK 5'-0" OR 6'-0" ROUND MANHOLE

BRICK/SOLID BLOCK TYPE "D" SQUARE CATCH BASIN

BRICK/SOLID BLOCK TYPE "F" SQUARE CATCH BASIN

SOLID BLOCK FLUSH SQUARE CATCH BASIN

BRICK/SOLID BLOCK TYPE "D" ROUND CATCH BASIN

BRICK/SOLID BLOCK ROUND CATCH BASIN WITH GUTTER INLET

BRICK/SOLID BLOCK TYPE "F" ROUND CATCH BASIN

BRICK/SOLID BLOCK TYPE "R" CATCH BASIN

SOLID BLOCK FLUSH ROUND CATCH BASIN

BRICK/SOLID BLOCK 5'-0" OR 6'-0" ROUND CATCH BASIN

SOLID BLOCK SHALLOW TYPE "F" SQUARE CATCH BASIN

SOLID BLOCK SHALLOW 5'-0" OR 6'-0" SQUARE CATCH BASIN

BRICK/SOLID BLOCK DROP INLET

BRICK/SOLID BLOCK ROUND MANHOLE OR CATCH BASIN GREATER THAN 12'-0"

PRECAST 4'-0" ROUND MANHOLE

PRECAST 5'-0" ROUND MANHOLE

PRECAST 6'-0" ROUND MANHOLE

PRECAST 4'-0" OR 6'-0" SQUARE MANHOLE OR CATCH BASIN

PRECAST 4'-0", 5'-0", OR 6'-0" ROUND CATCH BASIN

PRECAST CONCRETE DROP INLET

PRECAST CONCRETE DROP INLET LATERAL OUTLET

PRECAST CONCRETE DROP INLET LONGITUDINAL OUTLET

CATCH BASIN AND MANHOLE STEP

CONCRETE COLLARS

LIGHT-DUTY SQUARE FRAME AND ROUND COVER

HEAVY DUTY SQUARE FRAME AND ROUND COVER

LIGHT-DUTY ROUND FRAME AND COVER

HEAVY-DUTY ROUND FRAME AND COVER

SQUARE FRAME AND GRATE

SQUARE FRAME AND GRATE

SQUARE FRAME AND GRATE (BICYCLE SAFE)

HIGH CAPACITY FRAME AND GRATE

HIGH CAPACITY FRAME AND GRATE (BICYCLE SAFE)

ROUND FRAME AND GRATE

PRECAST CONCRETE CURB (STRAIGHT)

PRECAST CONCRETE CURB (CIRCULAR)

3'-0" PRECAST CONCRETE TRANSITION CURB

6'-0" PRECAST CONCRETE TRANSITION CURB

PRECAST 2'-0" RADIUS CORNER

PRECAST CONCRETE INLET STONE (FOR SQUARE CATCH BASIN)

PRECAST CONCRETE INLET STONE (FOR ROUND CATCH BASIN)

PRECAST CONCRETE APRON STONE (FOR SQUARE CATCH BASIN)

PRECAST CONCRETE APRON STONE (FOR ROUND CATCH BASIN)

PRECAST CONCRETE SLOPED FACE CURB (STRAIGHT)

PRECAST CONCRETE SLOPED FACE CURB (CIRCULAR)

PRECAST CONCRETE SLOPED FACE TRANSITION CURB

PRECAST CONCRETE TRANSITION CURB (VERTICAL FACE TO SLOPED FACE)

GRANITE CURB (STRAIGHT)

GRANITE CURB (CIRCULAR)

3'-0" GRANITE TRANSITION CURB

6'-0" GRANITE TRANSITION CURB

GRANITE WHEELCHAIR RAMP TRANSITION CURB

GRANITE 2'-0" RADIUS CORNER

GRANITE INLET STONE (FOR SQUARE CATCH BASIN)

GRANITE INLET STONE (FOR ROUND CATCH BASIN)

GRANITE APRON STONE (FOR SQUARE CATCH BASIN)

GRANITE APRON STONE (FOR ROUND CATCH BASIN)

GRANITE SLOPED FACE CURB

GRANITE SLOPED FACE TRANSITION CURB

7.4.2

7.5.0

7.5.1A

7.5.1B

7.6.0

8.2.0

8.3.0

8.4.0

9.1.0

9.2.0

9.3.0

9.4.0

9.5.0

9.7.0

9.8.0

9.9.0

10.1.0

10.2.0

10.3.0

10.4.0

14.1.0

15.1.0

15.2.0 (NO.)

18.2.0

18.2.2

18.3.0

20.2.0

24.6.1

26.2.0

26.3.0

31.1.0

31.2.0

31.2.1

31.3.0

34.1.0

34.2.0

34.2.1

34.2.2

34.2.3

34.2.5

34.3.1

34.3.2

34.3.3



















