

PREPARED BY
Jacobs



FILENAME: G-201.dwg

PLOT DATE: 7/10/2026

PLOT TIME: 1:20 PM

120 ST JAMES AVENUE 5TH FLOOR BOSTON, MA 02116	CSO PROGRAM MANAGER BELLEVUE AVENUE AND LEDGE ROAD CATCH BASIN DISCONNECTION CITY OF NEWPORT, RHODE ISLAND DEPARTMENT OF UTILITIES
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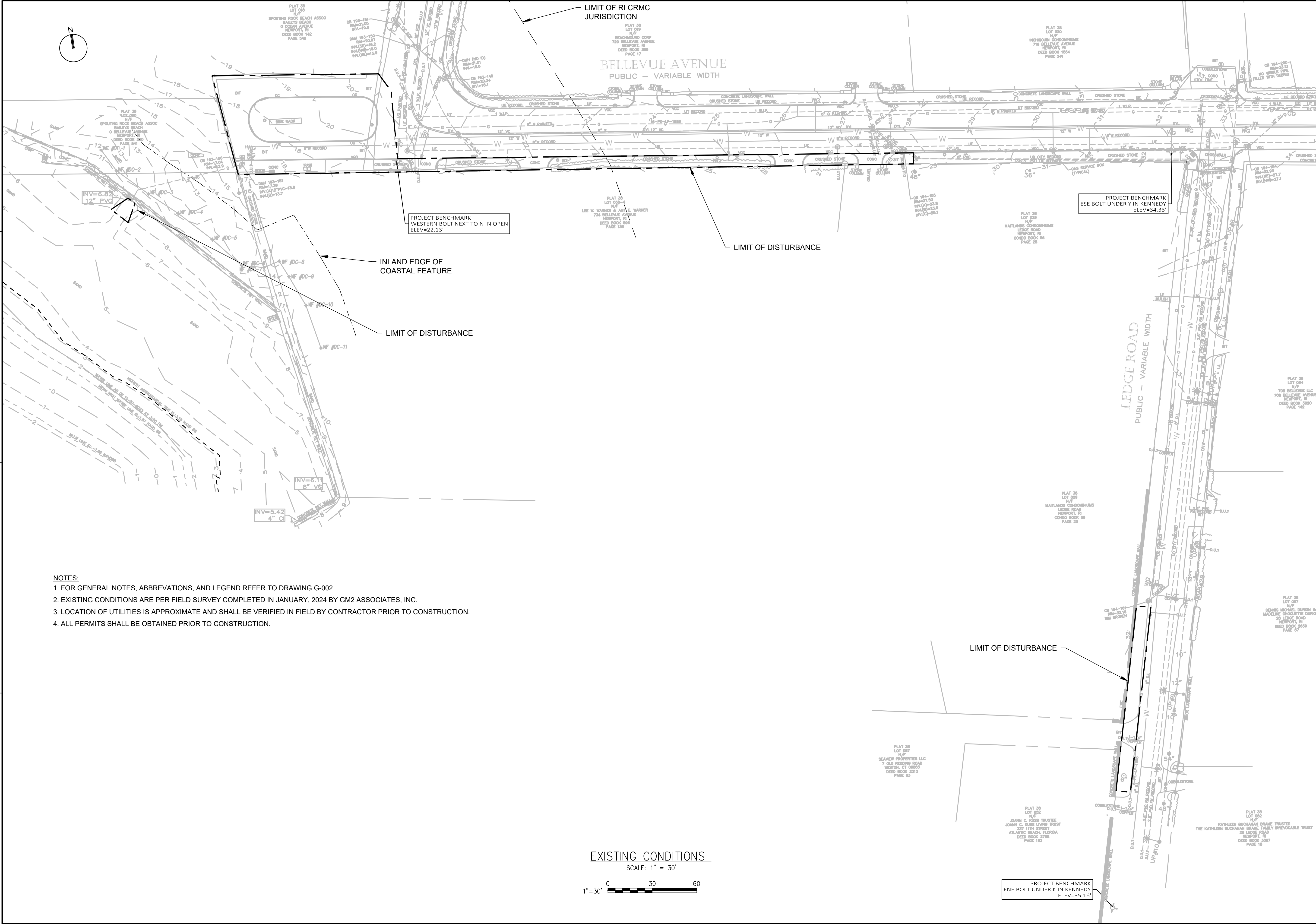
GENERAL

EROSION AND SEDIMENT CONTROL PLAN

AS NOTED	
VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING. 0  1"	
DATE	JULY 2026
PROJ	D3258803
DWG	G-201
SHEET	003 of 20

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- NOTES:
- FOR GENERAL NOTES, ABBREVIATIONS, AND LEGEND REFER TO DRAWING G-002.
 - EXISTING CONDITIONS ARE PER FIELD SURVEY COMPLETED IN JANUARY, 2024 BY GM2 ASSOCIATES, INC.
 - LOCATION OF UTILITIES IS APPROXIMATE AND SHALL BE VERIFIED IN FIELD BY CONTRACTOR PRIOR TO CONSTRUCTION.
 - ALL PERMITS SHALL BE OBTAINED PRIOR TO CONSTRUCTION.

EXISTING CONDITIONS
SCALE: 1" = 30'



120 ST JAMES AVENUE
5TH FLOOR
BOSTON, MA 02116

Civil

EXISTING CONDITIONS

CSO PROGRAM MANAGER
BELLEVUE AVENUE AND LEDGE ROAD
CATCH BASIN DISCONNECTION
CITY OF NEWPORT, RHODE ISLAND
DEPARTMENT OF UTILITIES

DATE: JULY 2026
PROJ: D3258803
DWG: V-201
SHEET: 005 of 20

1" = 30'
VERIFY SCALE
BAR IS ONE INCH ON
ORIGINAL DRAWING.
0 1"

DATE: JULY 2026
PROJ: D3258803
DWG: V-201
SHEET: 005 of 20

NO. DATE

REVISION

BY

APVD

DR

CHK

APVD

C. ONELL

E. SHERIFF

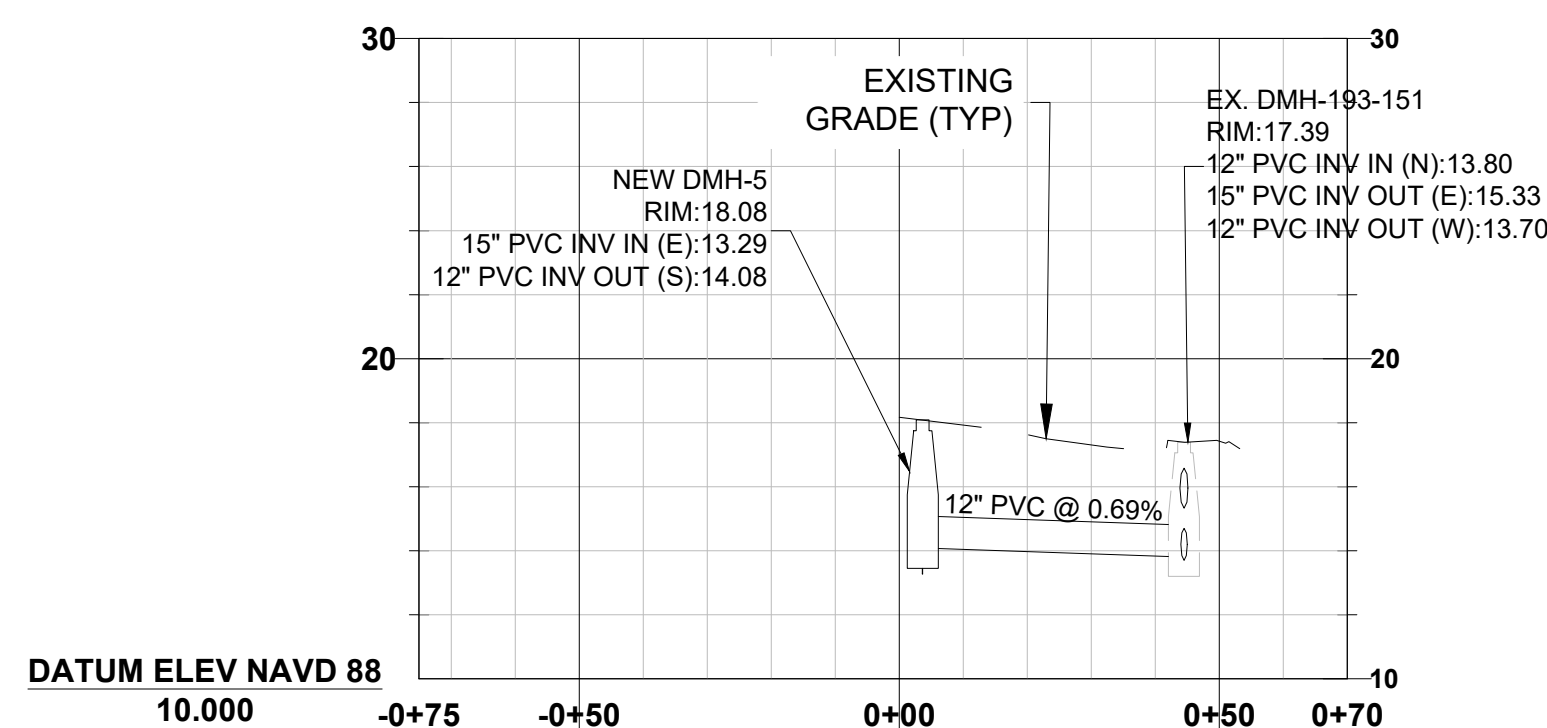
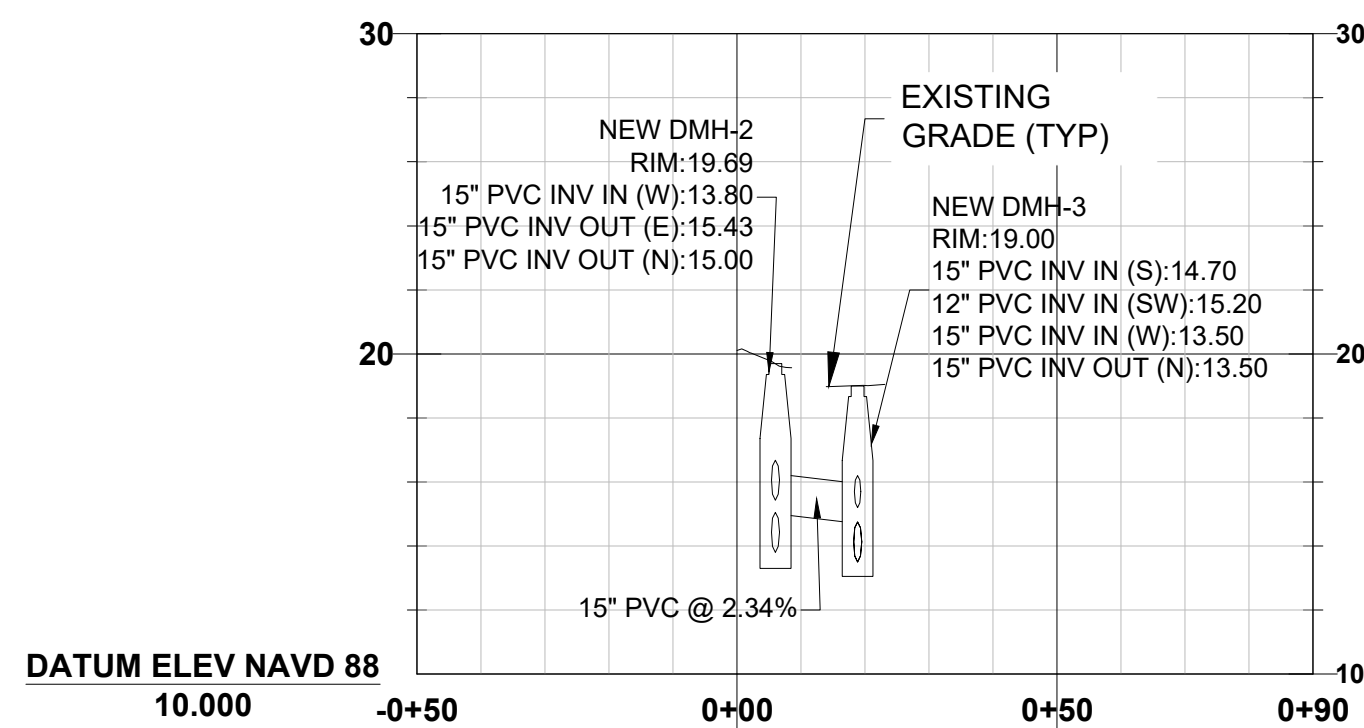
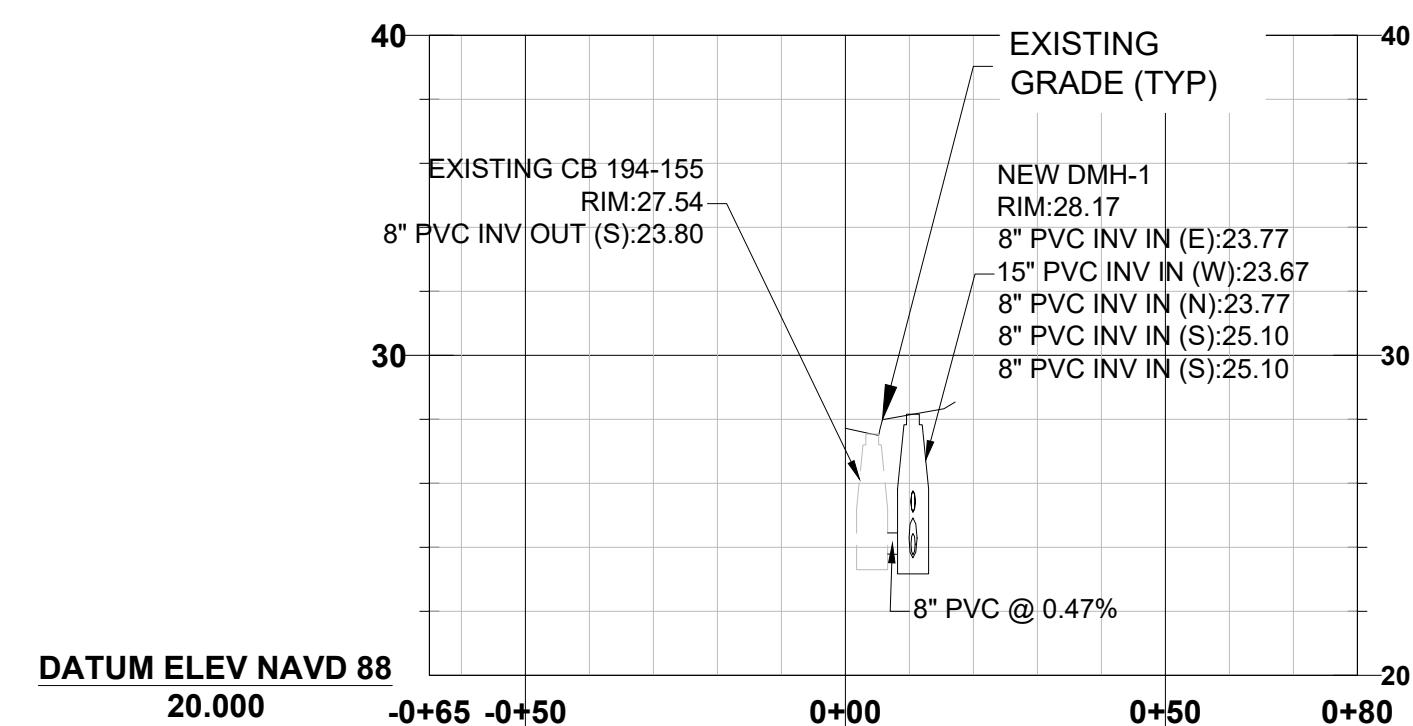
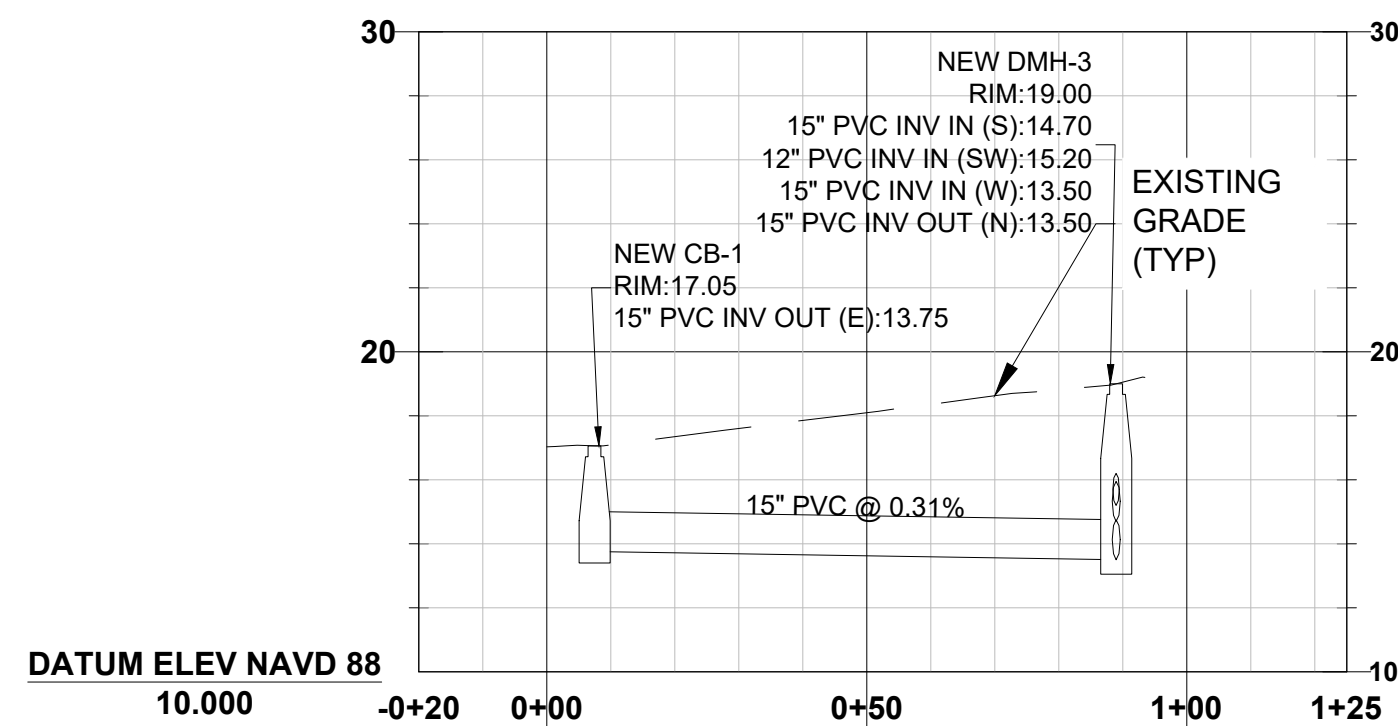
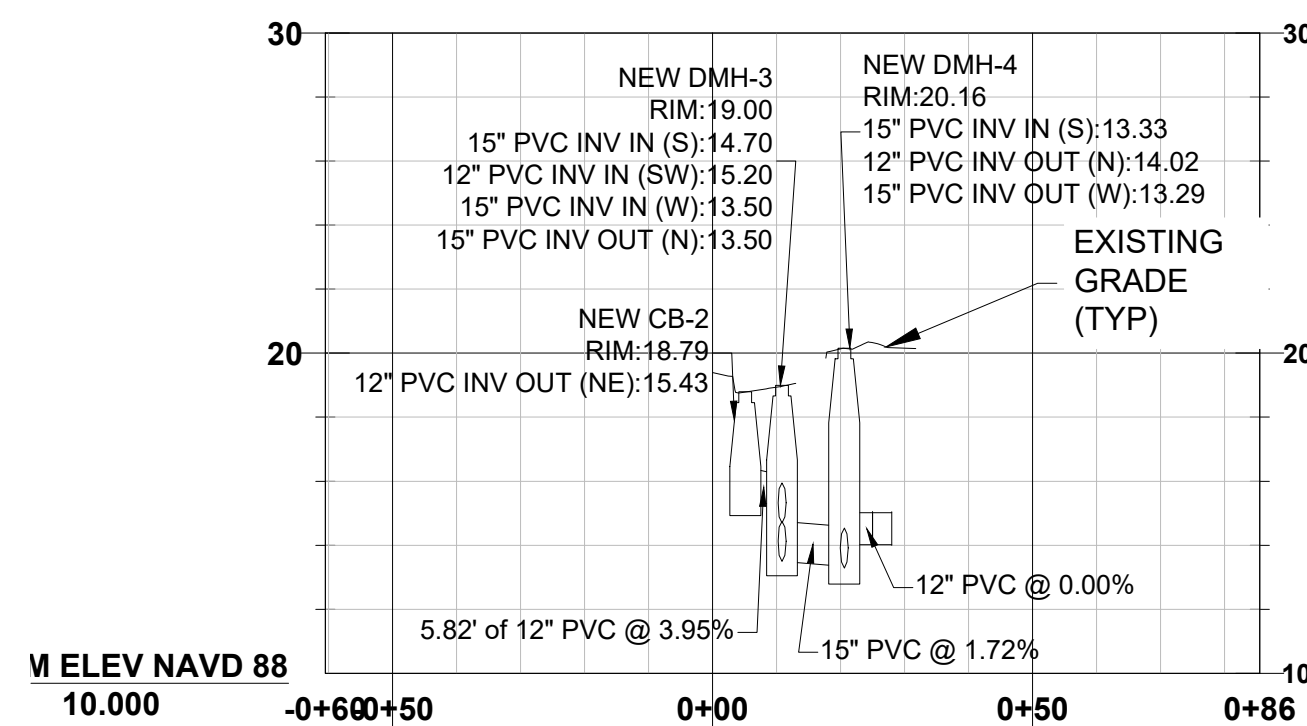
M. SCHMITZ

\$PWPATH

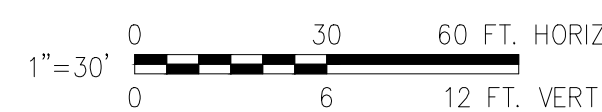
FILENAME: V-201.dwg

PLOT DATE: 7/10/2026

PLOT TIME: 1:20 PM



LATERAL PROFILE VIEWS
SCALE: H: 1" = 30' , V: 1" = 6'



120 ST. JAMES AVENUE 5TH FLOOR BOSTON, MA 02116	CSO PROGRAM MANAGER BELLEVUE AVENUE AND LEDGE ROAD CATCH BASIN DISCONNECTION CITY OF NEWPORT, RHODE ISLAND DEPARTMENT OF UTILITIES
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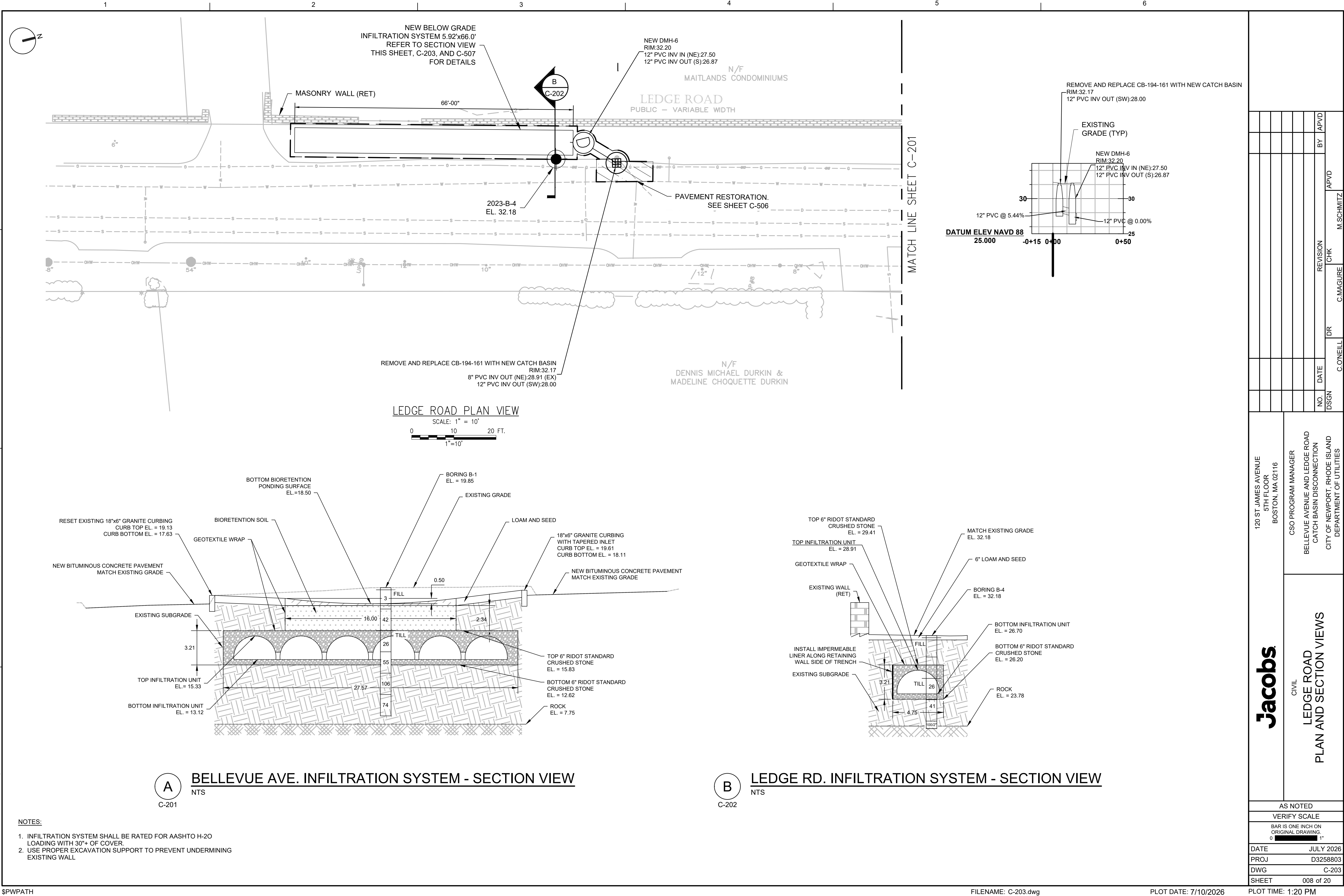
Jacobs

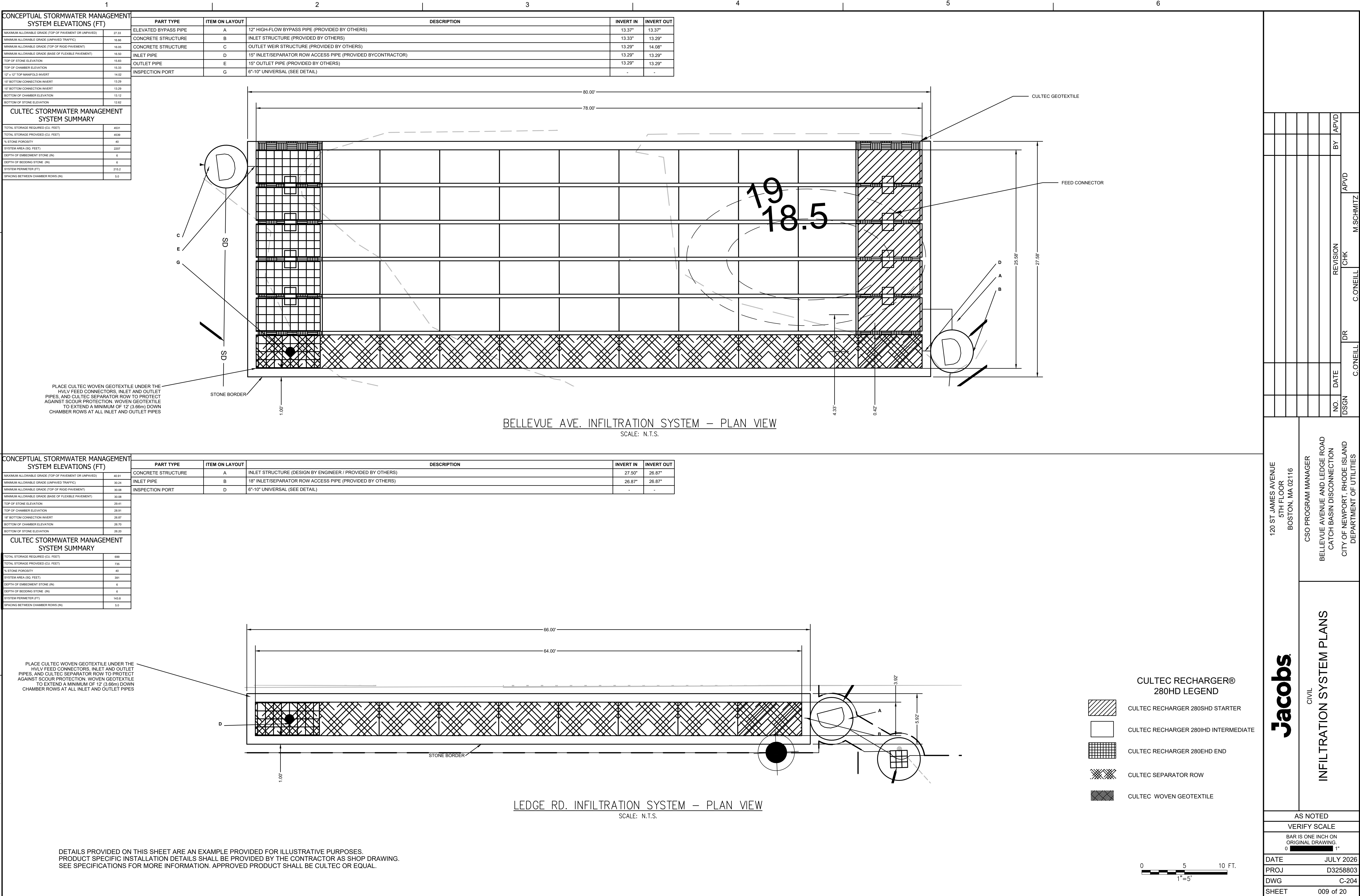
CIVIL

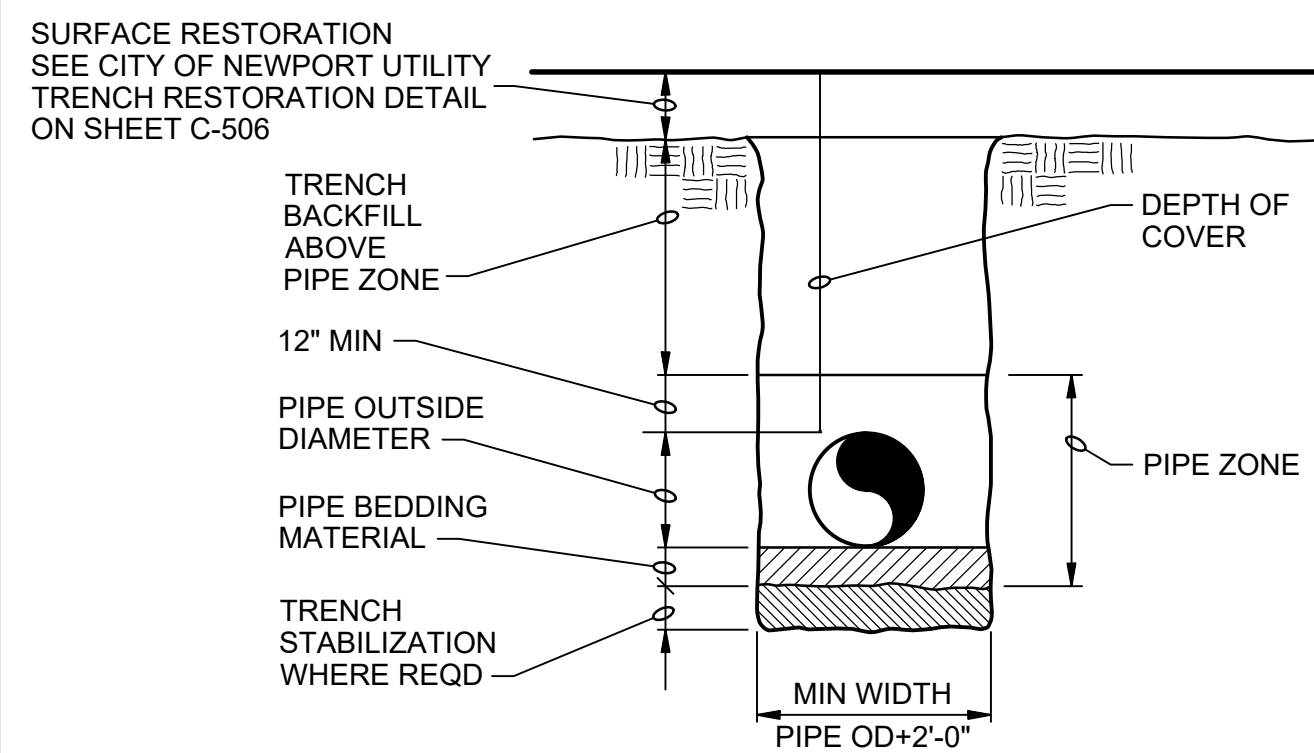
BELLEVUE AVENUE
PLAN AND PROFILE

AS NOTED	
VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING. 0  1"	
DATE	JULY 2026
PROJ	D3258803
DWG	C-202
SHEET	007 of 20

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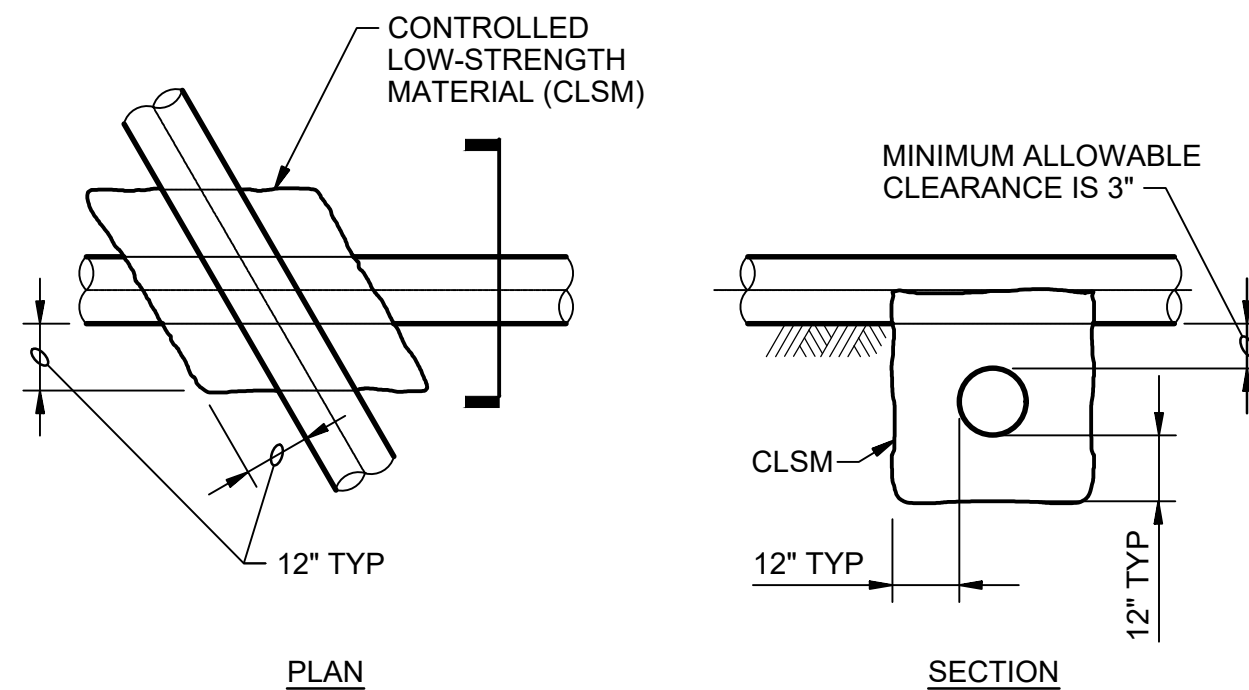






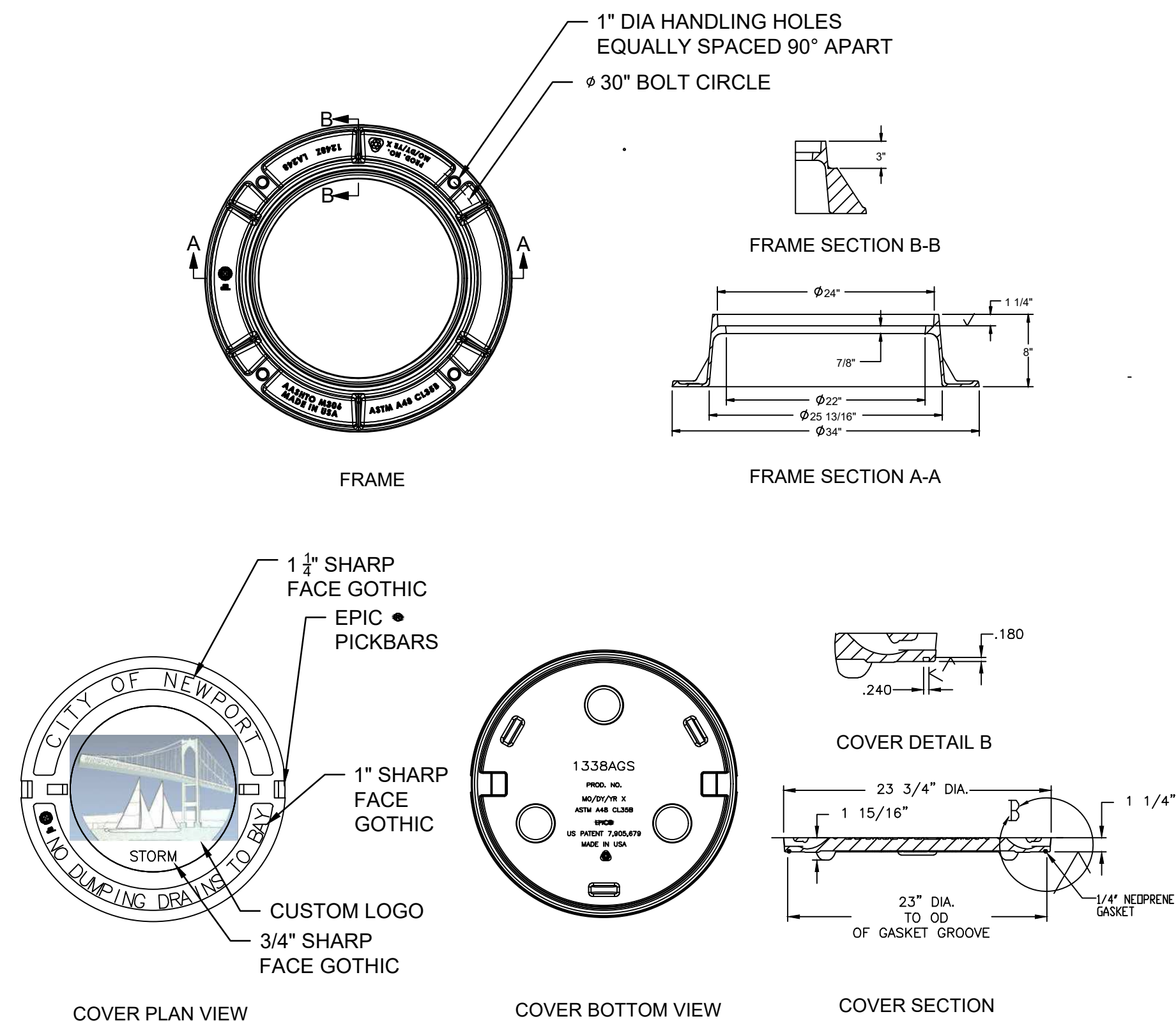
- NOTES:**
1. BACKFILL PER CITY OF NEWPORT FIGURE 7.01 ON SHEET C-506.
 2. REFER TO SPECIFICATION SECTION 31 23 23, TRENCH BACKFILL, FOR BACKFILL MATERIAL REQUIREMENTS.
 3. CRUSHED STONE SHALL BE WRAPPED IN GEOTEXTILE WHEN PLACED UNDER PAVED ROADWAY.

1 TYPICAL UTILITY TRENCH

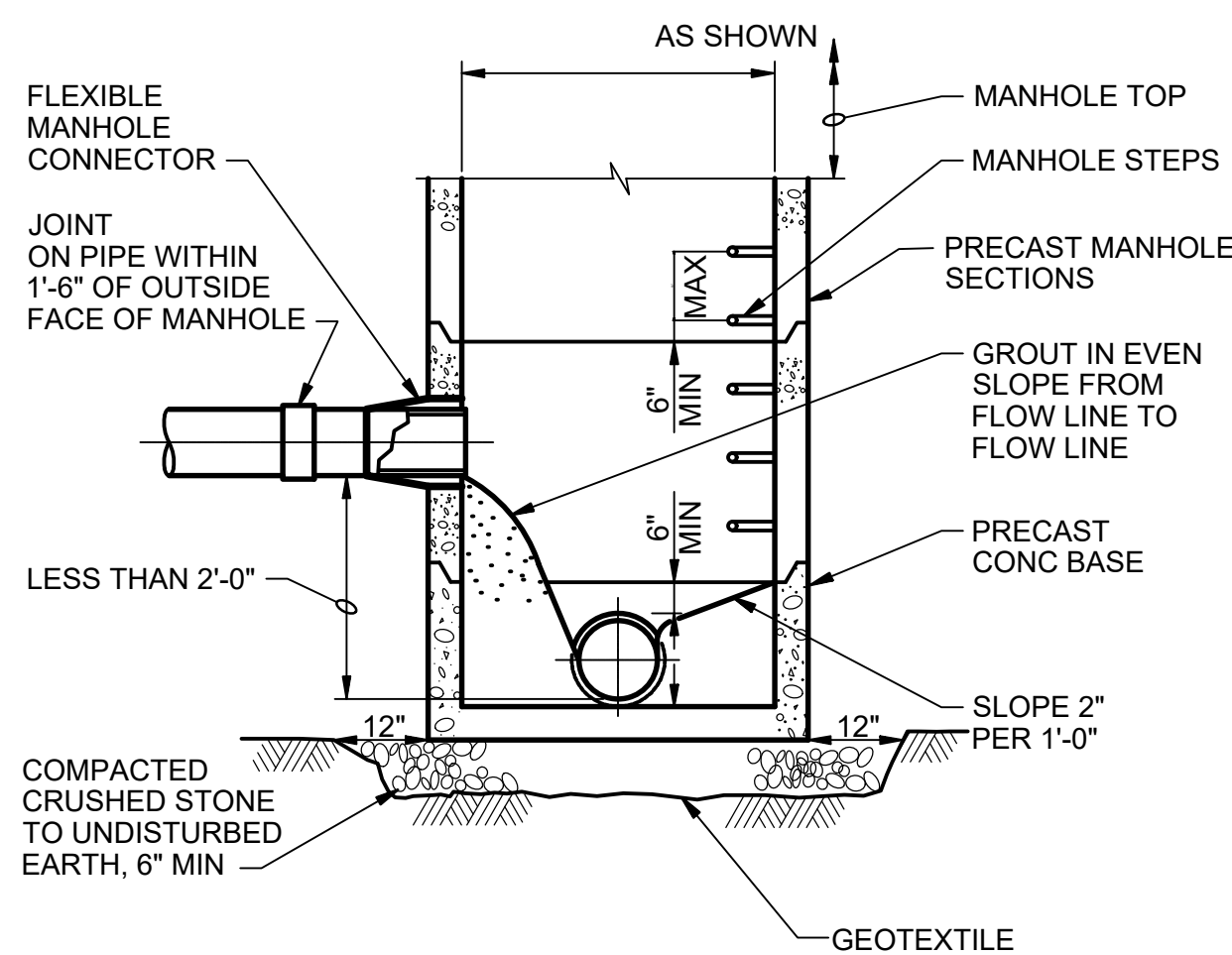


- NOTES:**
- CLSM SUPPORT IS REQUIRED:
1. WHEN BOTH PIPELINES ARE NEW AND CLEARANCE BETWEEN THEM IS LESS THAN 12".
 2. WHEN A NEW PIPELINE IS CROSSING OVER AN EXISTING PIPELINE AND THE CLEARANCE BETWEEN THEM WAS LESS THAN 12".
 3. AT ALL PIPE CROSSINGS WHERE A NEW PIPELINE IS CROSSING UNDER AN EXISTING PIPELINE.
 4. REFER TO SPECIFICATION SECTION 31 23.23.15 FOR CLSM REQUIREMENTS.

2 TRENCH PIPE CROSSING

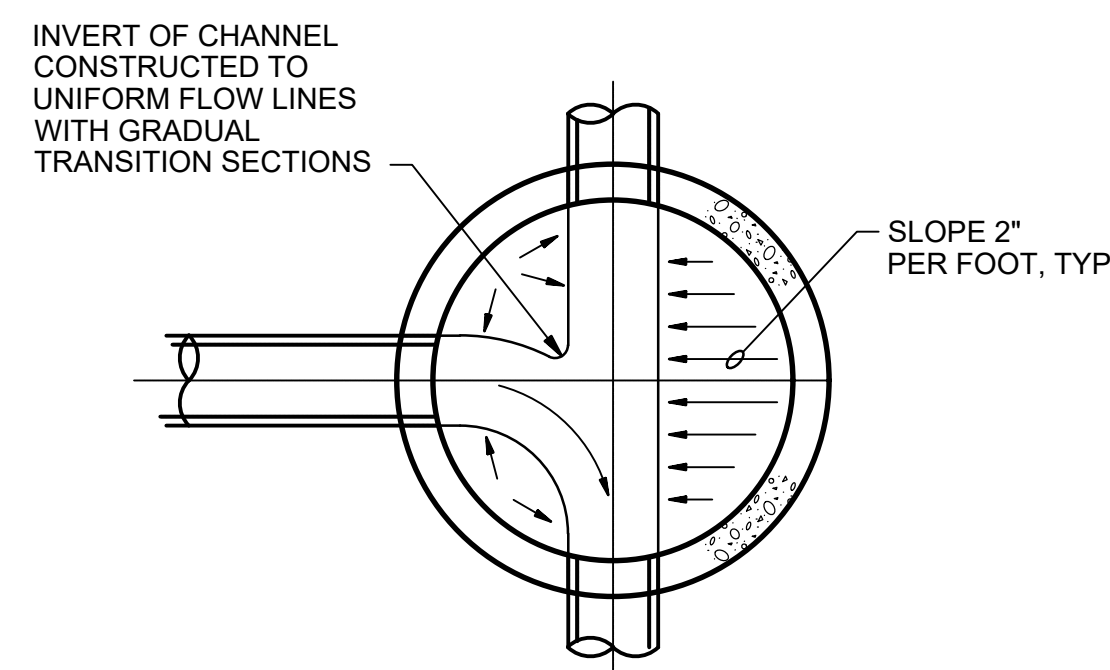


3 MANHOLE FRAME AND COVER

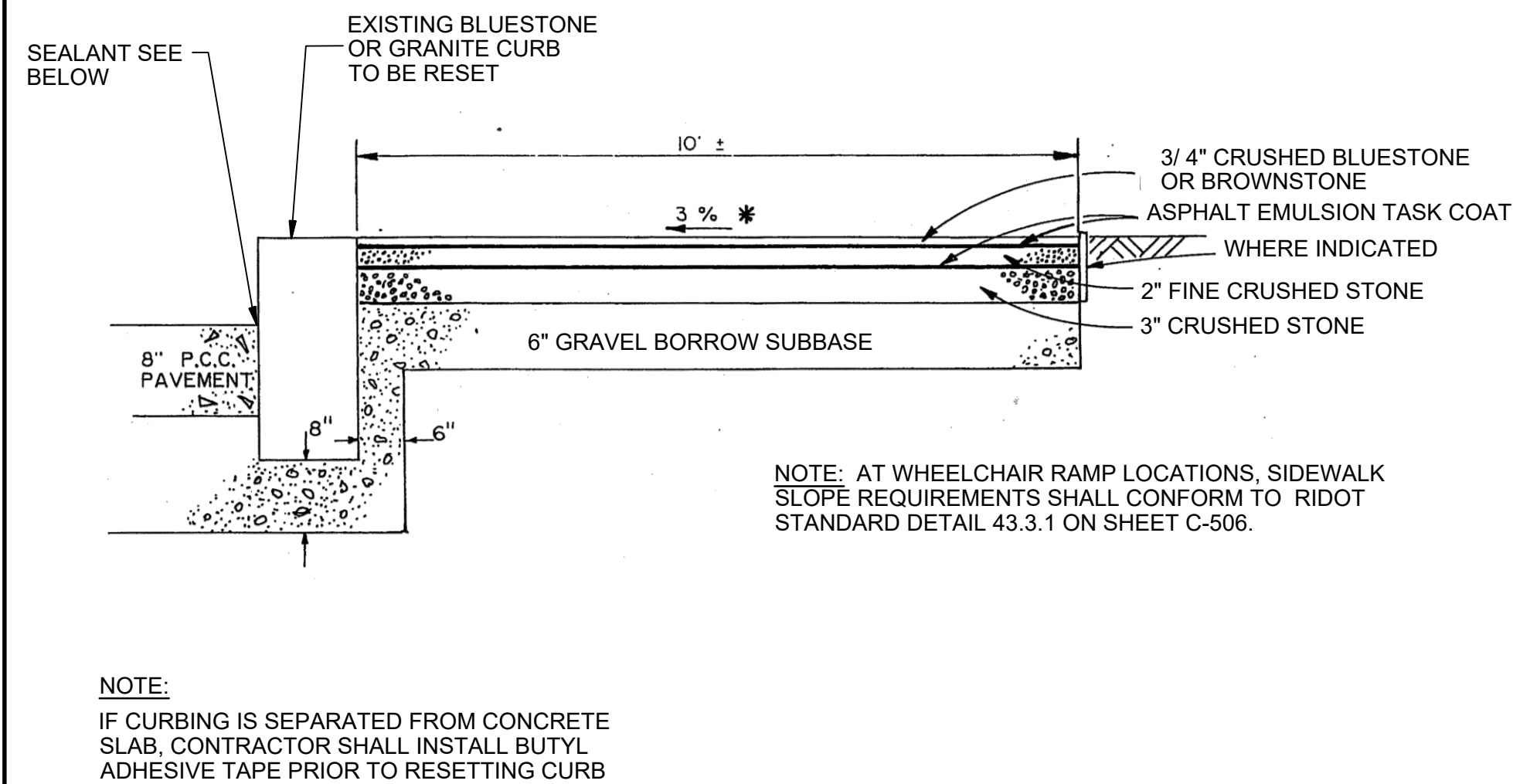


NOTE:
UNLESS SHOWN OTHERWISE IN THE DRAWINGS, THE DROP IN PIPE INVERT ELEVATION ACROSS THE MANHOLE SHALL BE 0.1 FEET, EXCEPT WHERE AN INCREASE IN PIPE DIAMETER OCCURS. MATCH PIPE CROWNS.

4 MANHOLE BASE SECTION 6" TO 24" PIPE
NTS



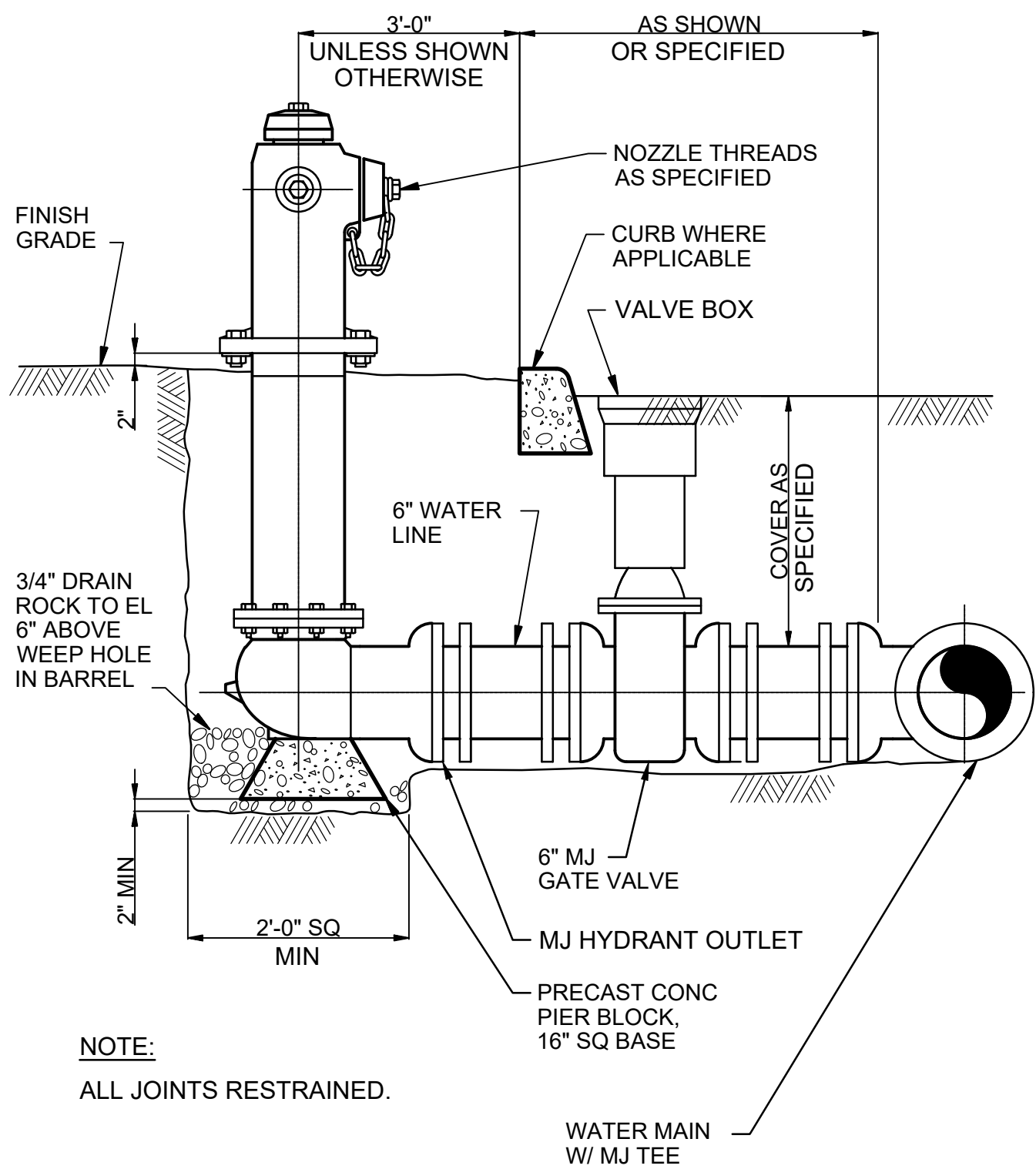
5 MANHOLE CHANNEL INTERSECTION



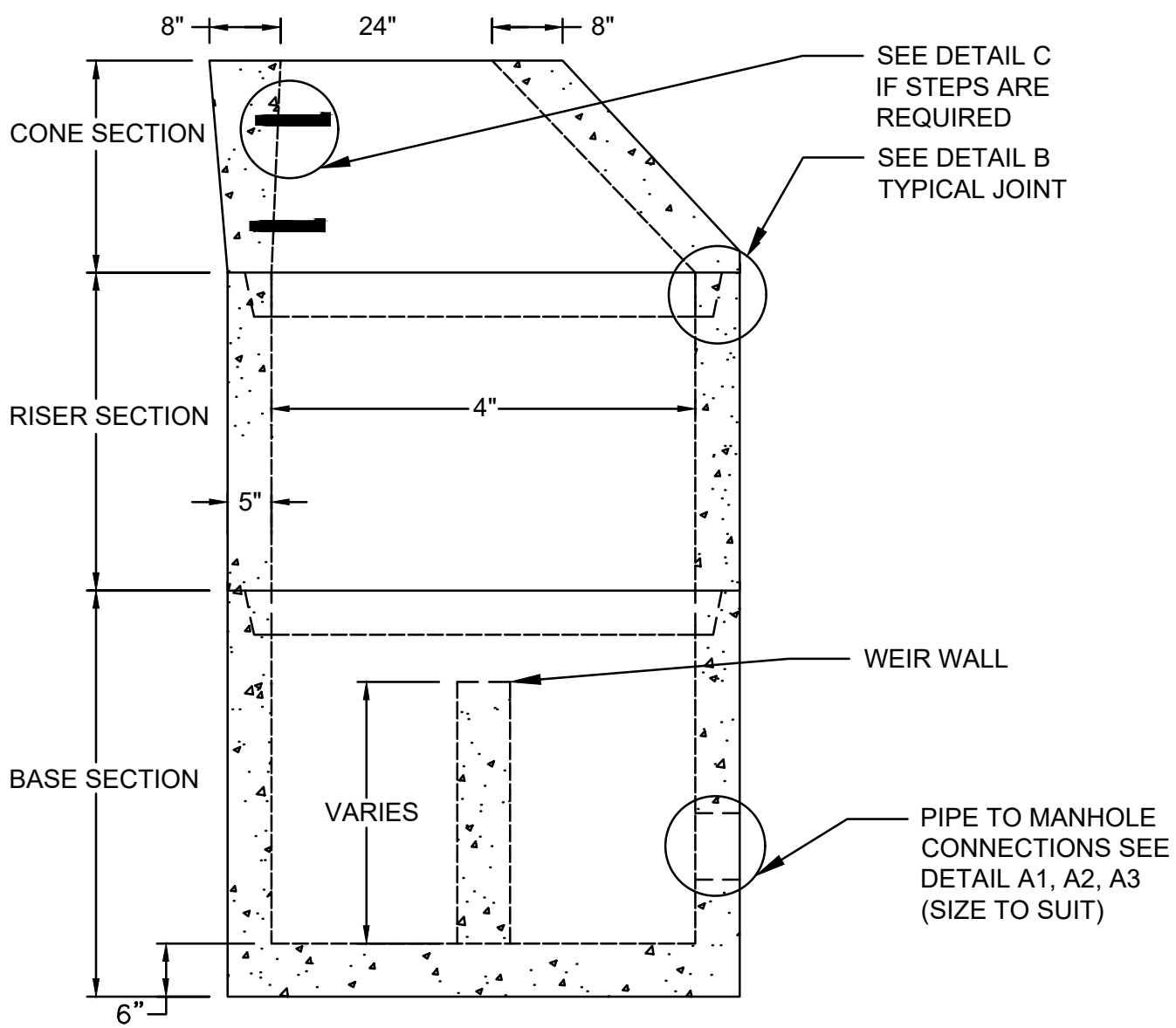
6 CRUSHED STONE SIDEWALK
NTS

A

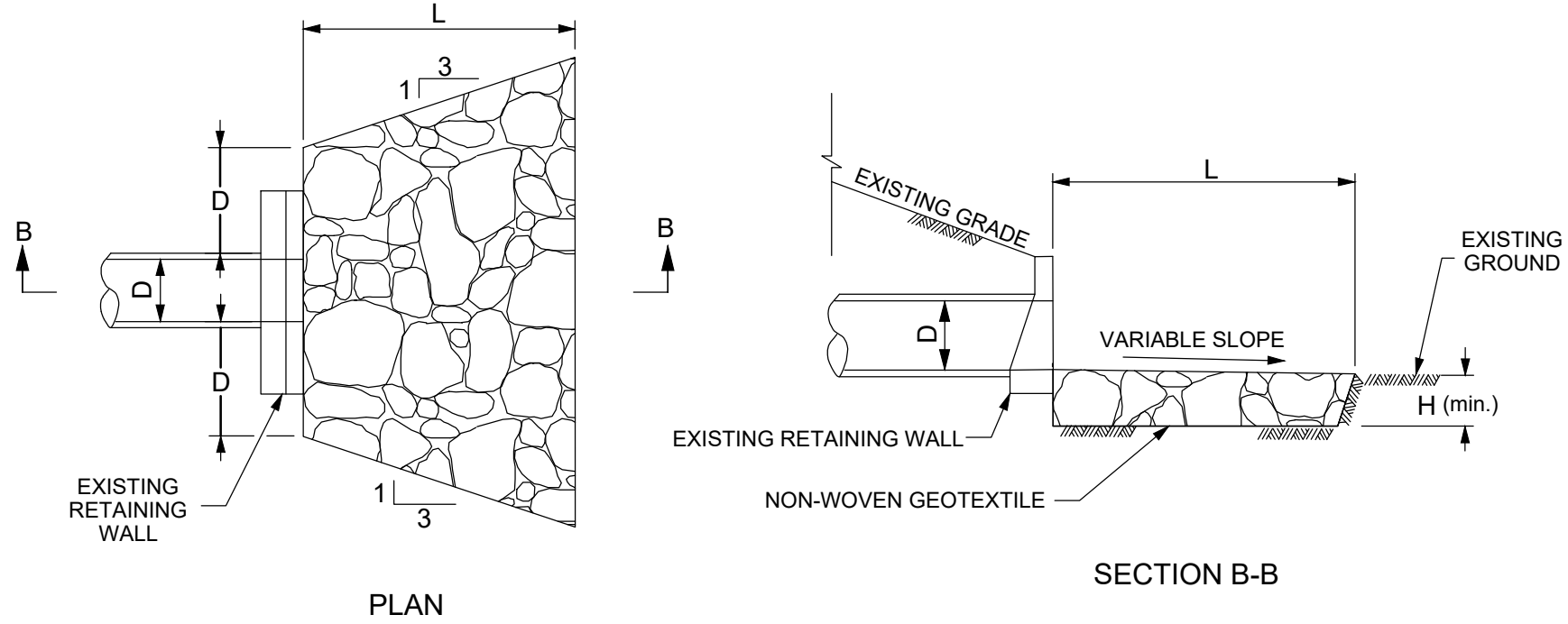
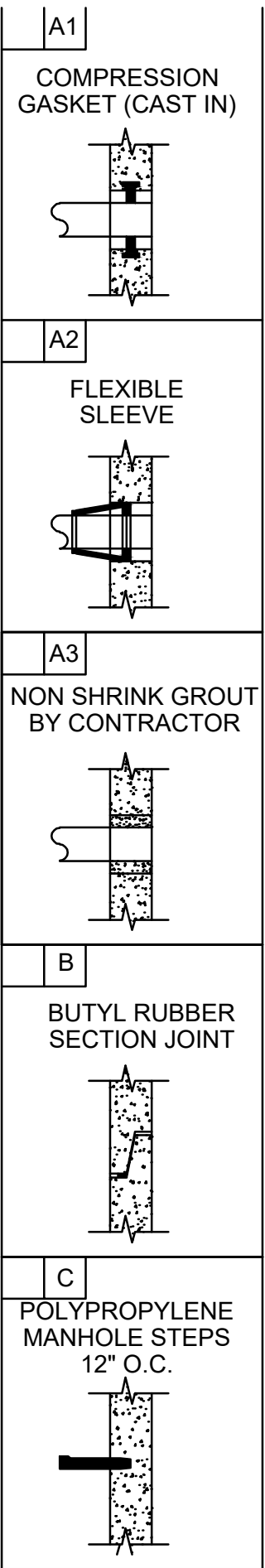
B



1 FIRE HYDRANT
NTS



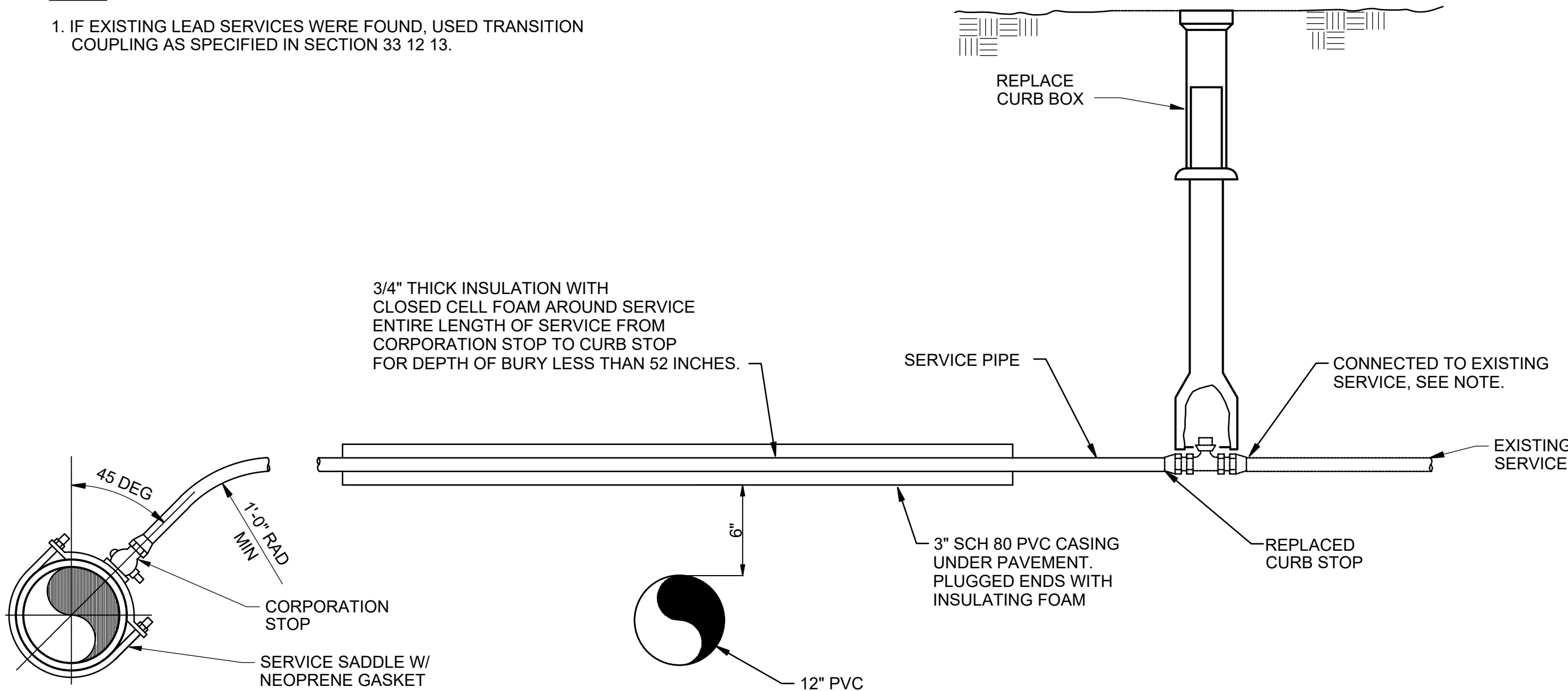
2 4' DIA. MANHOLE WITH WEIR
NTS



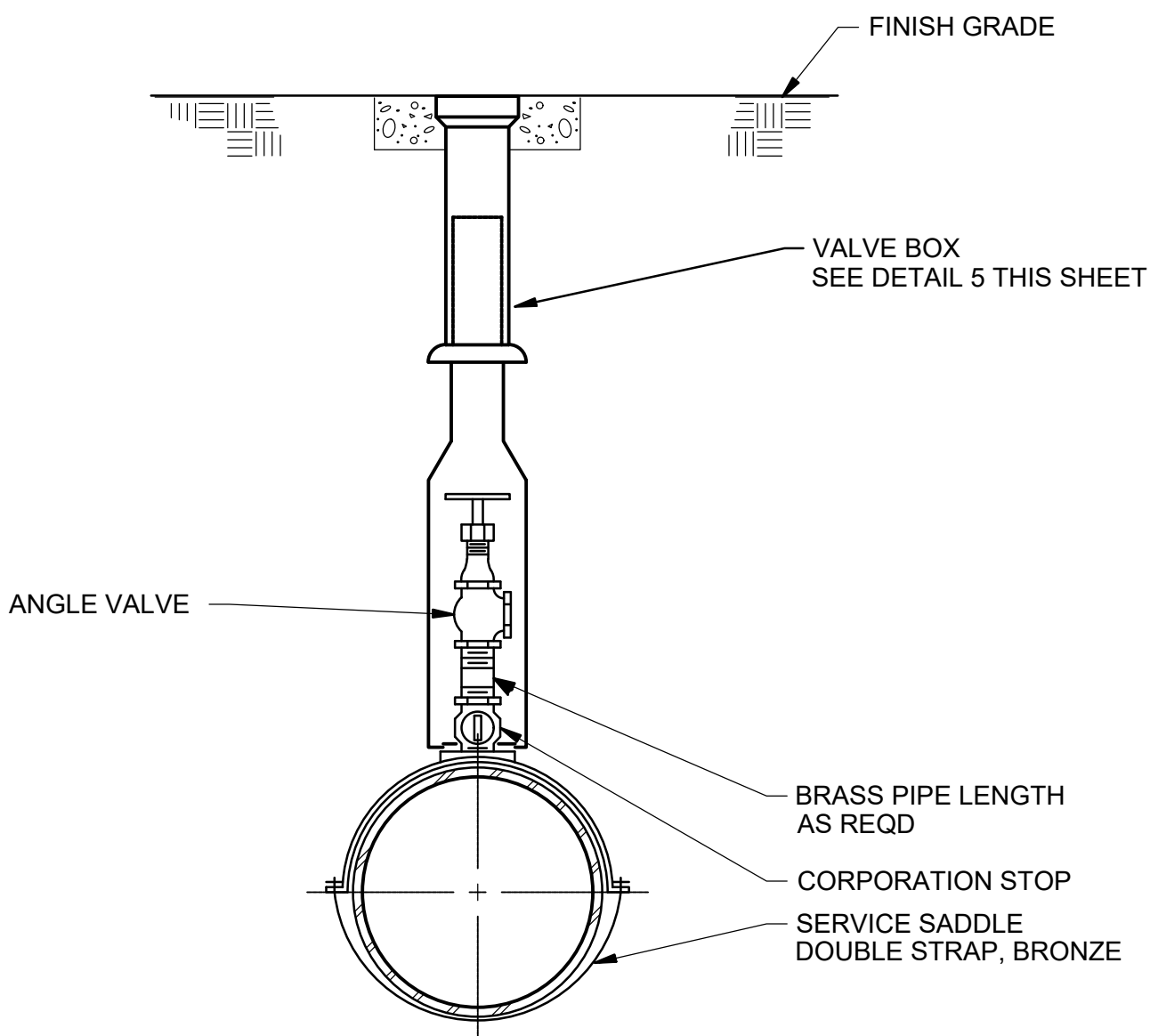
- NOTES:
- DIAMETER (D) SHALL BE 12".
 - LENGTH (L) SHALL BE 9'.
 - HEIGHT (H) SHALL BE 1.5'
 - RIPRAP SHALL BE CLASS 3.

3 FHWA RIPRAP
NTS

- NOTE:
- IF EXISTING LEAD SERVICES WERE FOUND, USED TRANSITION COUPLING AS SPECIFIED IN SECTION 33 12 13.

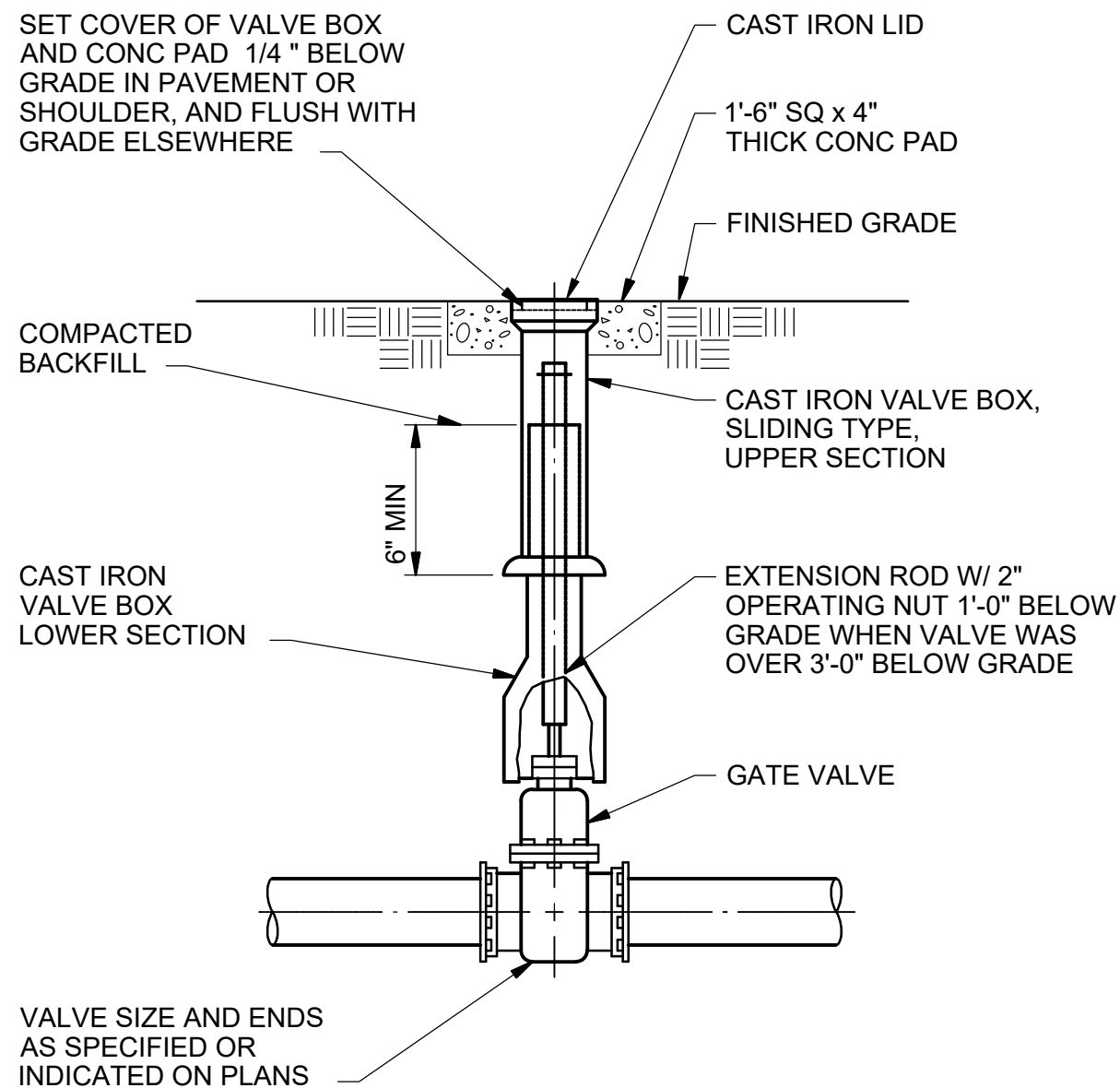


4 WATER SERVICE INSTALLATION
NTS



- NOTES:
- CORPORATION STOP, PIPE AND ANGLE VALVE TO BE 1 INCH DIAMETER.

5 AIR RELEASE VALVE ASSEMBLY
NTS



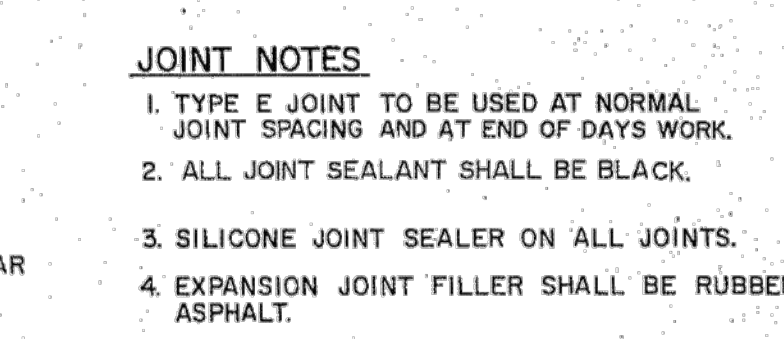
6 BURIED GATE VALVE BOX
NTS

120 ST JAMES AVENUE
5TH FLOOR
BOSTON, MA 02116

CSO PROGRAM MANAGER
BELLEVUE AVENUE AND LEDGE ROAD
CATCH BASIN DISCONNECTION
CITY OF NEWPORT, RHODE ISLAND
DEPARTMENT OF UTILITIES

JACOBS
CIVIL
STANDARD DETAILS

NTS	
VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING.	
DATE	JULY 2026
PROJ	D3258803
DWG	C-502
SHEET	011 of 20

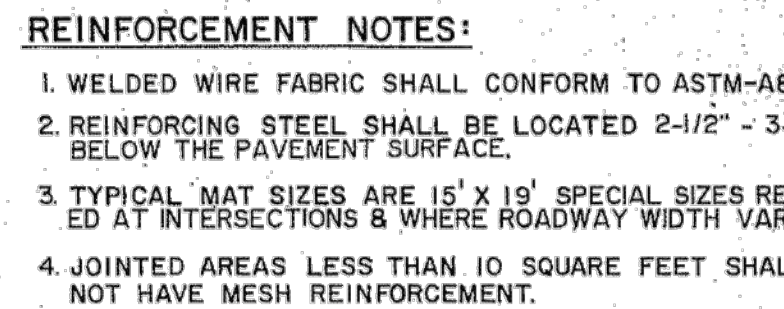


FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	R.I.			4	79

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RHODE ISLAND
DEPARTMENT OF TRANSPORTATION
DIVISION OF PUBLIC WORKS

3R IMPROVEMENTS TO
BELLEVUE AVENUE
NEWPORT, RHODE ISLAND

PAVEMENT DETAILS

CHECKED BY _____ DATE _____ SCALE NO SCALE

120 ST JAMES AVENUE
5TH FLOOR
BOSTON, MA 02116

CISO PROGRAM MANAGER

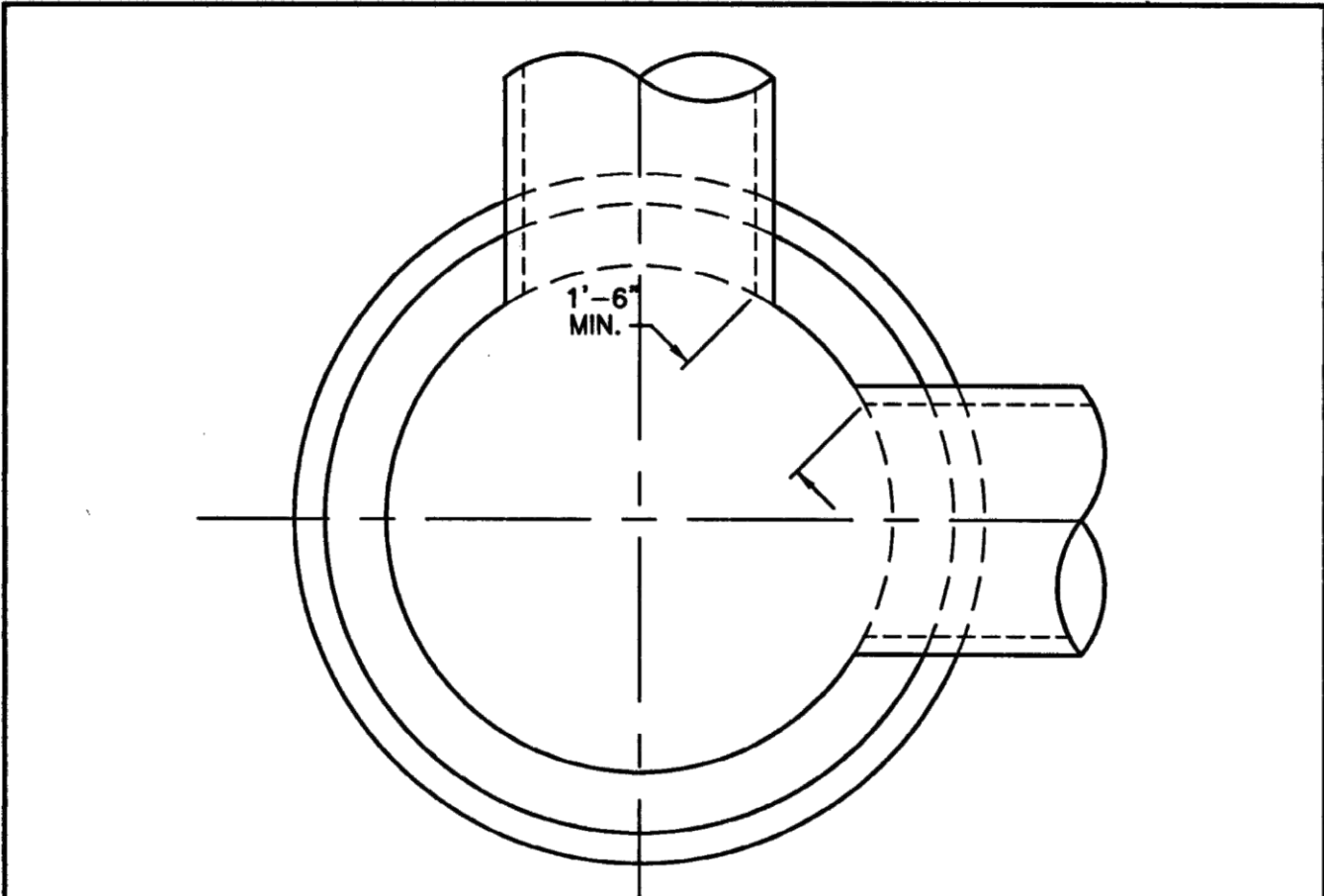
ELLEVEUE AVENUE AND LEDGE ROAD
CATCH BASIN DISCONNECTION
CITY OF NEWPORT, RHODE ISLAND
DEPARTMENT OF UTILITIES

Jacobs

CIVIL

STANDARD DETAILS

NTS	
VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING.	
0	1"
DATE	JULY 2026
PROJ	D3258803
DWG	C-503
SHEET	012 of 20

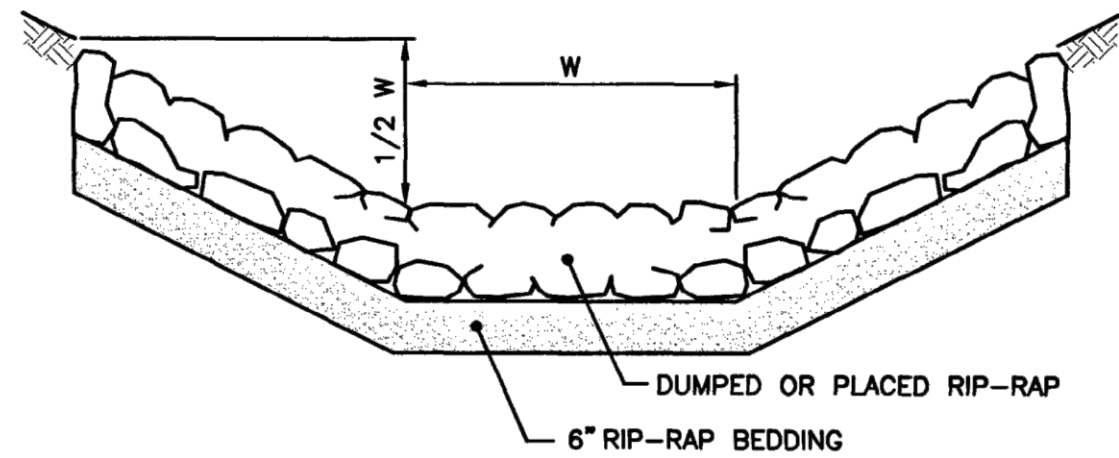


CROSS SECTION OF MANHOLE OR CATCH BASIN

	4 FT. MANHOLE OR CATCH BASIN	5 FT. MANHOLE OR CATCH BASIN	6 FT. MANHOLE OR CATCH BASIN
MAX. PIPE O.D. STRAIGHT THRU TO 45° DEFLECTION	33 1/2" O.D. 27" R.C. PIPE	44" O.D. 36" R.C. PIPE	51" O.D. 42" R.C. PIPE
MAX. PIPE O.D. 90° DEFLECTION	23" O.D. 18" R.C. PIPE	33 1/2" O.D. 27" R.C. PIPE	37" O.D. 30" R.C. PIPE

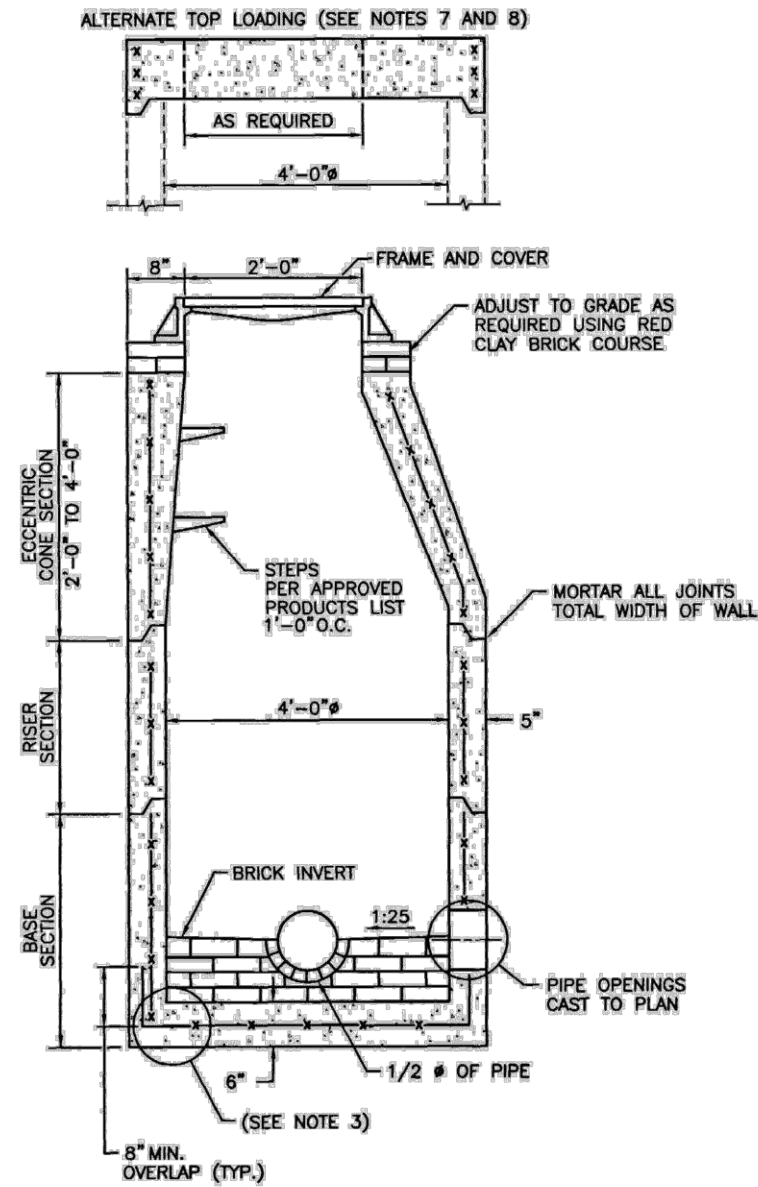
NOTE:
1. SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
2. THE MINIMUM DISTANCE BETWEEN PIPES ENTERING MANHOLES AND CATCH BASINS MUST BE 1'-6". THE SIZE OF THE CATCH BASIN WILL BE DETERMINED BY THE PIPE SIZE AND ENTRY ANGLE. (SEE TABLE ABOVE.)

RHODE ISLAND DEPARTMENT OF TRANSPORTATION		
ROUND MANHOLES AND CATCH BASINS MAXIMUM PIPE SIZE STANDARD		
JUNE 15, 1998		ISSUE DATE
R.I. STANDARD 5.2.0		



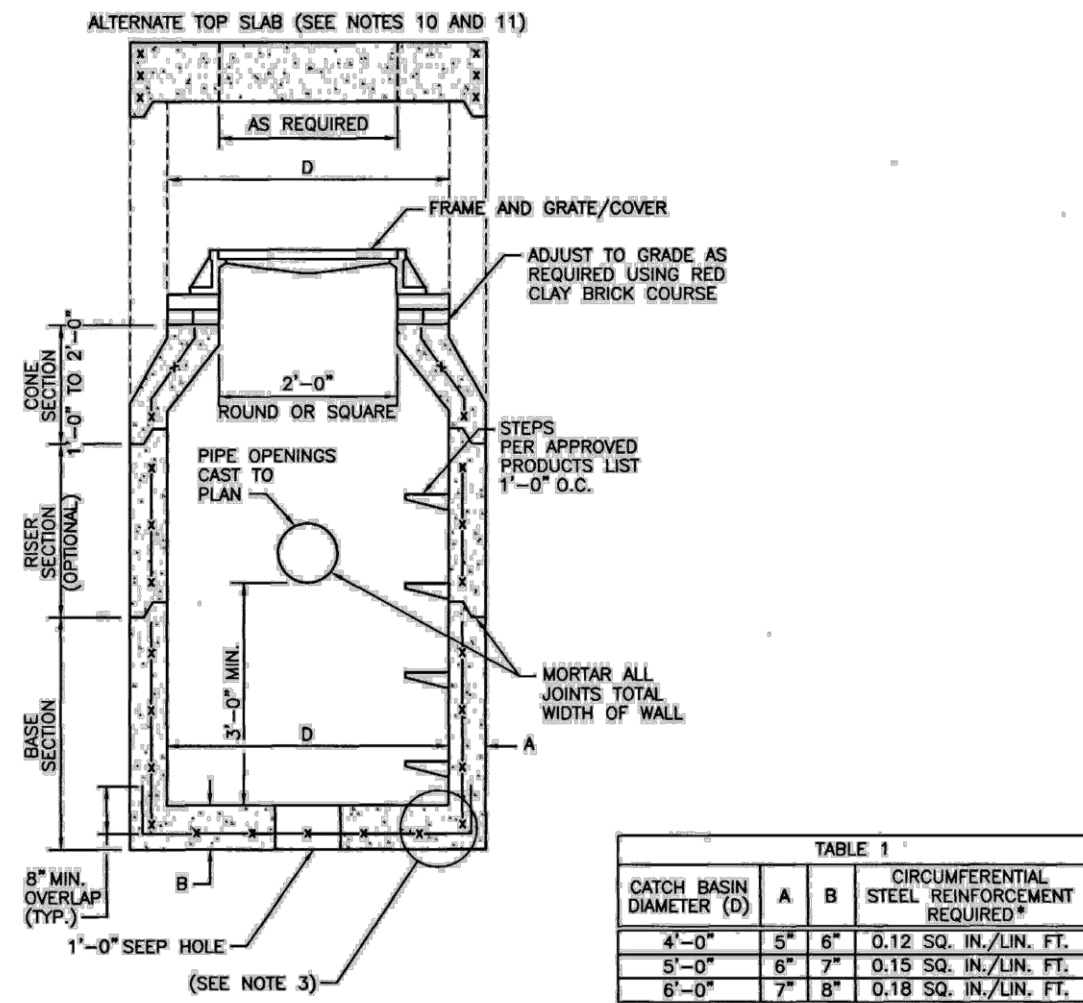
NOTES:
1. SLOPES MAY VARY TO SUIT CONDITIONS AS PER PLANS OR ENGINEER.
2. RIP-RAP AND BEDDING SIZE MAY VARY. SEE CONTRACT DOCUMENTS.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION		
RIP-RAP DITCH		
JUNE 15, 1998		ISSUE DATE
R.I. STANDARD 8.3.0		



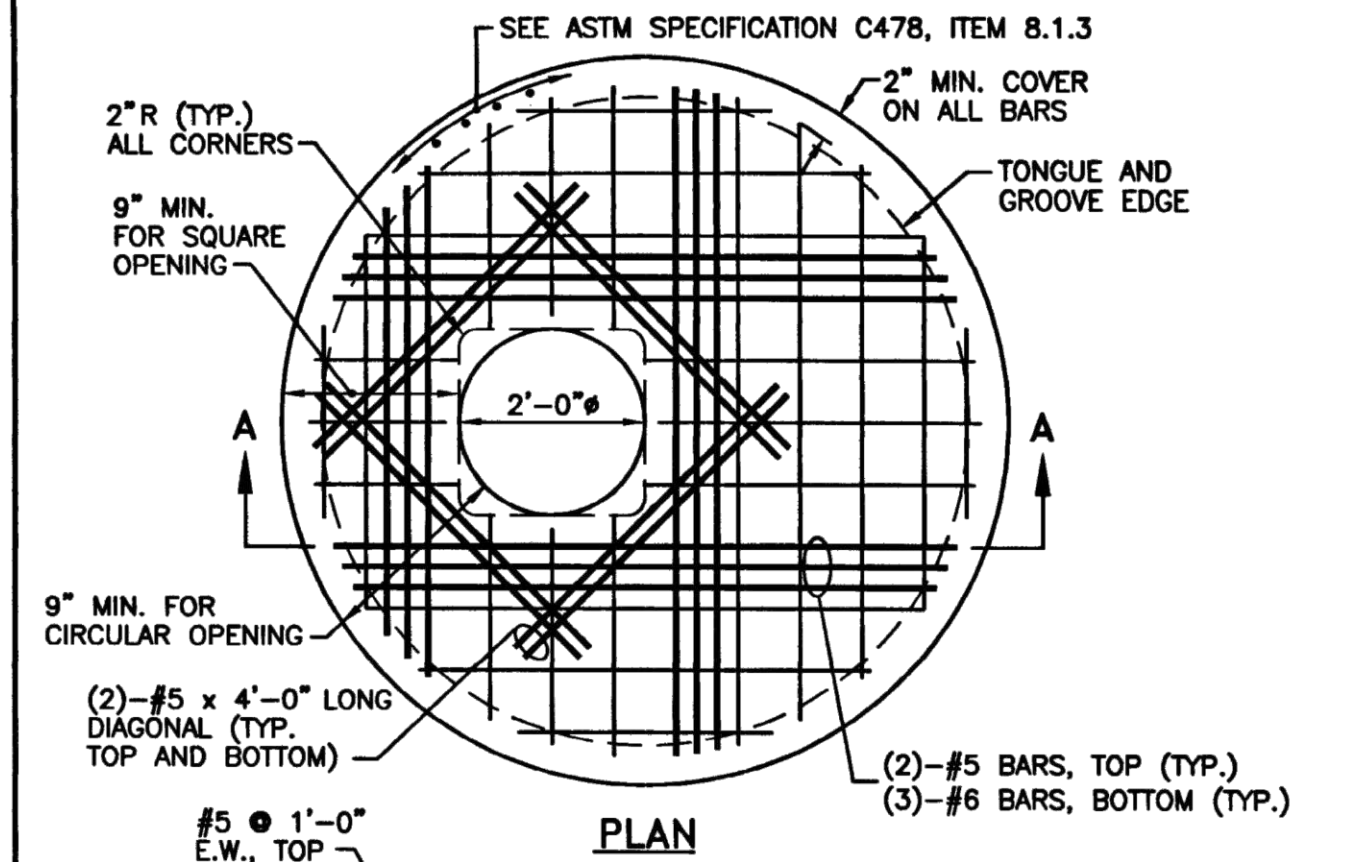
NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
2. CIRCUMFERENTIAL STEEL REINFORCEMENT REQUIRED = 0.12 SQ. IN. / LIN. FT. MINIMUM.
3. STEEL REINFORCEMENT FOR BASE SECTION BOTTOM SHALL BE A MINIMUM OF 0.12 SQ. IN./LIN. FT. (BOTH WAYS).
4. ONE FOUR MONOLITHIC BASE SECTION.
5. ANY NECESSARY ADJUSTMENTS DURING CONSTRUCTION WILL BE DONE BY SAW-CUTTING AND/OR CORING ONLY. NO JACKHAMMERS, HAMMERS AND CHISELS OR PNEUMATIC TOOLS WILL BE ALLOWED.
6. STEPS SHALL CONFORM TO STD. 5.3.0 AND SHALL BE INSTALLED AT THE CASTING PLANT.
7. ALTERNATE TOP SLAB IS STEEL REINFORCED TO MEET OR EXCEED H-25 LOADING (SEE STD. 4.7.2).
8. ALTERNATE TOP SLAB IS ONLY FOR USE WHEN REDUCING SECTION DOES NOT FIT BECAUSE OF STRUCTURE DEPTH.
9. REFER TO STD. 5.2.0 FOR MAXIMUM PIPE SIZES.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION		
PRECAST 4'-0" ROUND MANHOLE		
JUNE 15, 1998		ISSUE DATE
R.I. STANDARD 4.2.0		



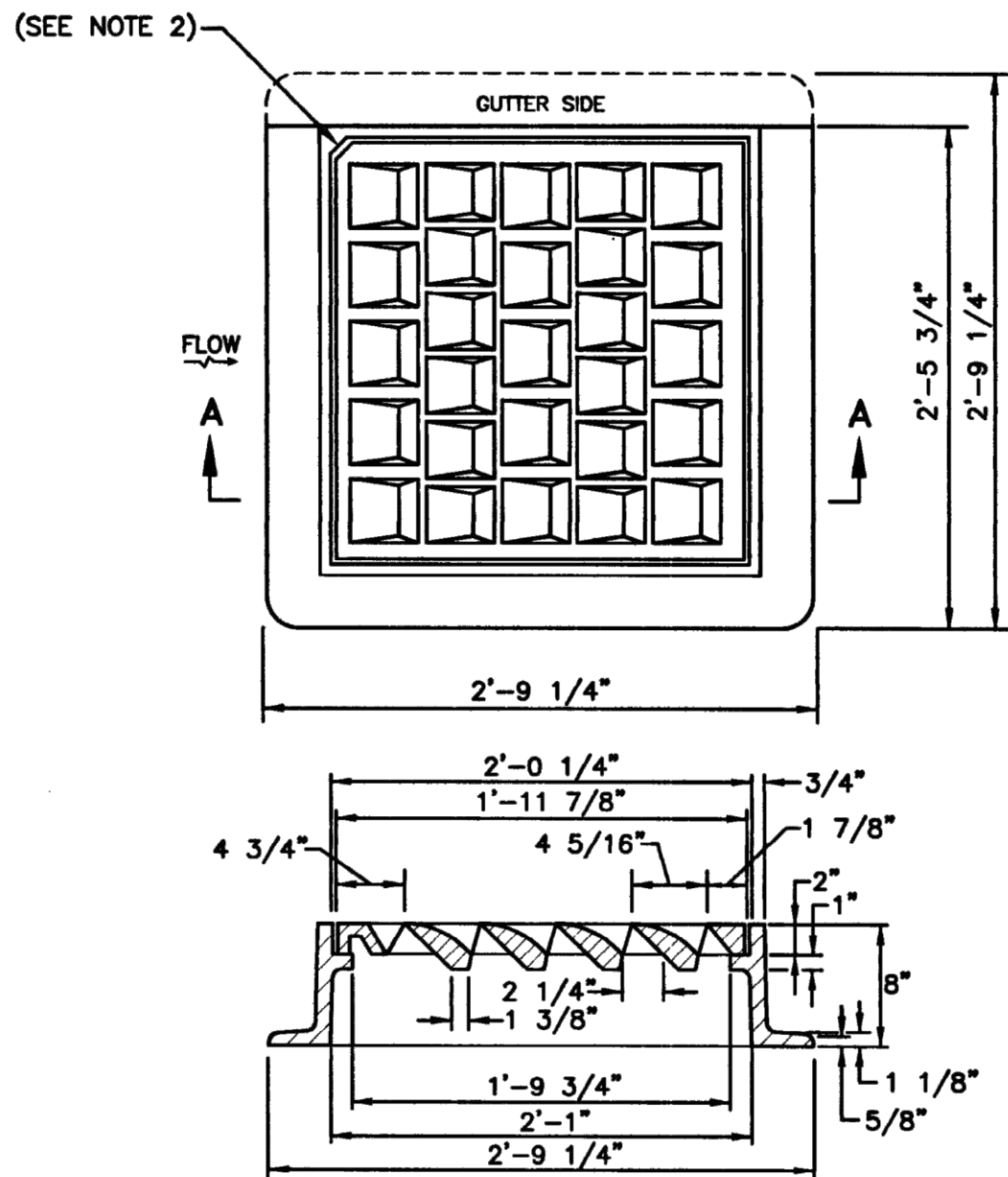
NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
2. SEE TABLE 1 FOR STEEL REINFORCEMENT REQUIREMENTS.
3. STEEL REINFORCEMENT FOR BASE SECTION BOTTOM SHALL BE A MINIMUM OF 0.12 SQ. IN./LIN. FT. (BOTH WAYS).
4. STEPS SHALL CONFORM TO STD. 5.3.0 AND SHALL BE INSTALLED AT THE CASTING PLANT.
5. ONE FOUR MONOLITHIC BASE SECTION.
6. ANY NECESSARY ADJUSTMENTS DURING CONSTRUCTION WILL BE DONE BY SAW-CUTTING AND/OR CORING ONLY. NO JACKHAMMERS, HAMMERS AND CHISELS OR PNEUMATIC TOOLS WILL BE ALLOWED.
7. CORREL MADE OF RED CLAY BRICK WILL BE PERMITTED FOR THE "CONE SECTION" OF THE 4'-0" CATCH BASIN ONLY.
8. FOR CATCH BASIN TYPES "D" AND "F" STEPS MUST BE INSTALLED ON THE CURB SIDE OF THE STRUCTURE.
9. THE CENTERLINE OF THE OPENING MUST BE WITHIN 2'-0" FROM THE STEPS.
10. ALTERNATE TOP SLAB IS STEEL REINFORCED TO MEET OR EXCEED H-25 LOADING (SEE STD. 4.7.2).
11. ALTERNATE TOP SLAB IS ONLY FOR USE WHEN REDUCING SECTION DOES NOT FIT BECAUSE OF STRUCTURE DEPTH.
12. REFER TO STD. 5.2.0 FOR MAXIMUM PIPE SIZES.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION		
PRECAST 4'-0", 5'-0", OR 6'-0" ROUND CATCH BASIN		
JUNE 15, 1998		ISSUE DATE
R.I. STANDARD 4.4.0		



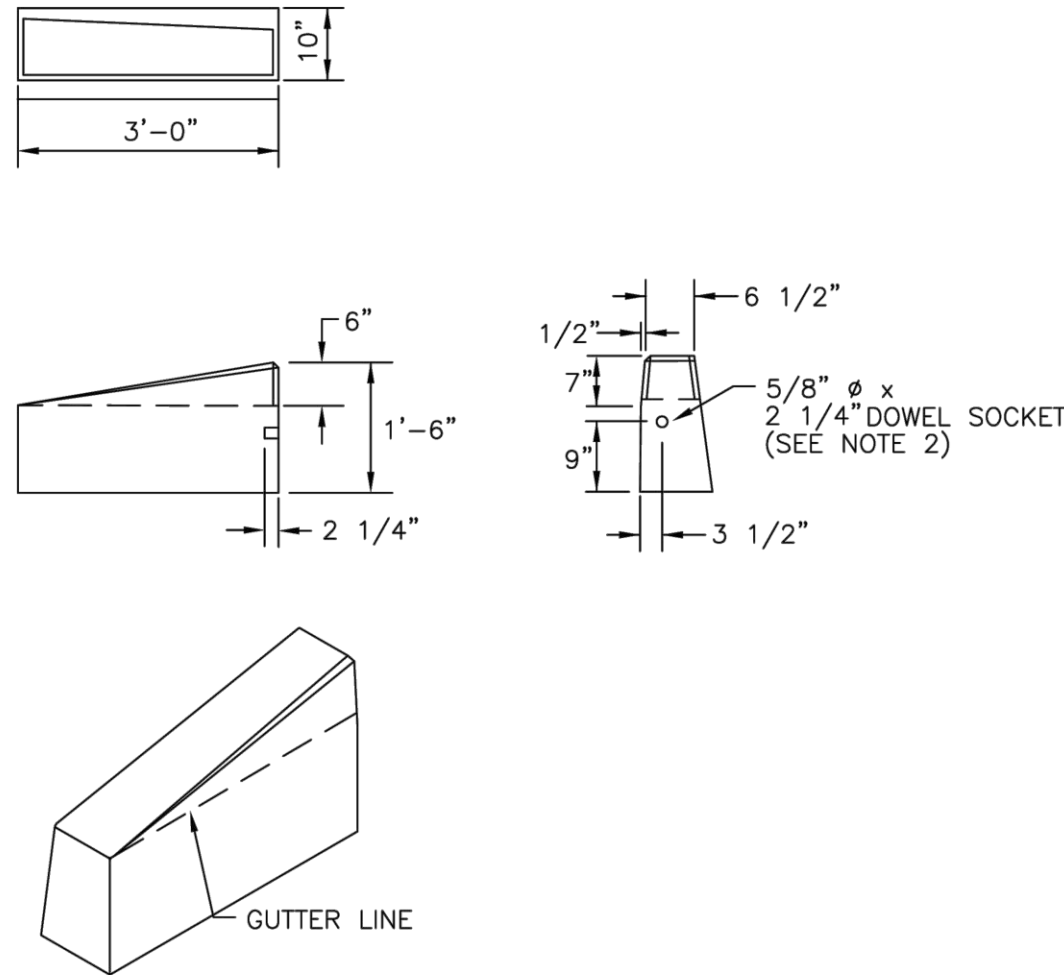
NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
2. ANY NECESSARY ADJUSTMENTS DURING CONSTRUCTION WILL BE DONE BY SAW-CUTTING AND/OR CORING ONLY. NO JACKHAMMERS, HAMMERS AND CHISELS OR PNEUMATIC TOOLS WILL BE ALLOWED.
3. THE CENTER LINE OF THE OPENING MUST BE WITHIN 2" FROM THE STEPS.
4. ALTERNATE TOP COVER IS STEEL REINFORCED TO MEET OR EXCEED H-25 OR HS-25 LOADINGS WITH EARTH PRESSURES INCLUDED. THIS IMPLIES THAT THE TOP SLAB IS DESIGNED FOR AXLE LOADS OF NO MORE THAN 20 TONS.
5. ALL REBAR SHALL HAVE A MINIMUM OF 2" CLEARANCE FROM OPENING.
6. ALL REBARS IN THE BOTTOM MAT ARE #5 @ 2", BOTH WAYS, WITH 2" MINIMUM COVER, EXCEPT FOR REBARS ADJACENT TO THE OPENING. THESE BARS SHALL BE (3)-#6 SHOWN WITH A HEAVIER LINE FOR CLARITY. REBARS IN THE TOP MAT ARE #5 @ 1'-0", BOTH WAYS, WITH 2" MINIMUM COVER, EXCEPT FOR REBARS ADJACENT TO THE OPENING. THESE BARS SHALL BE (2)-#5 BARS.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION		
ALTERNATE TOP COVER FOR ROUND PRECAST MANHOLES AND CATCH BASINS		
JUNE 15, 1998		ISSUE DATE
R.I. STANDARD 4.7.2		



NOTES:
1. FRAME AND COVER SHALL CONFORM TO SECTION M.04 OF THE R.I. STANDARD SPECIFICATIONS.
2. THIS CORNER LEFT FOR "LEFT" GRATE, DIAGONALLY OPPOSITE CORNER FOR "RIGHT" GRATE TO FIT IN KEYED FRAME.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION		
HIGH CAPACITY FRAME AND GRATE (BICYCLE SAFE)		
JUNE 15, 1998		ISSUE DATE
R.I. STANDARD 6.3.4		



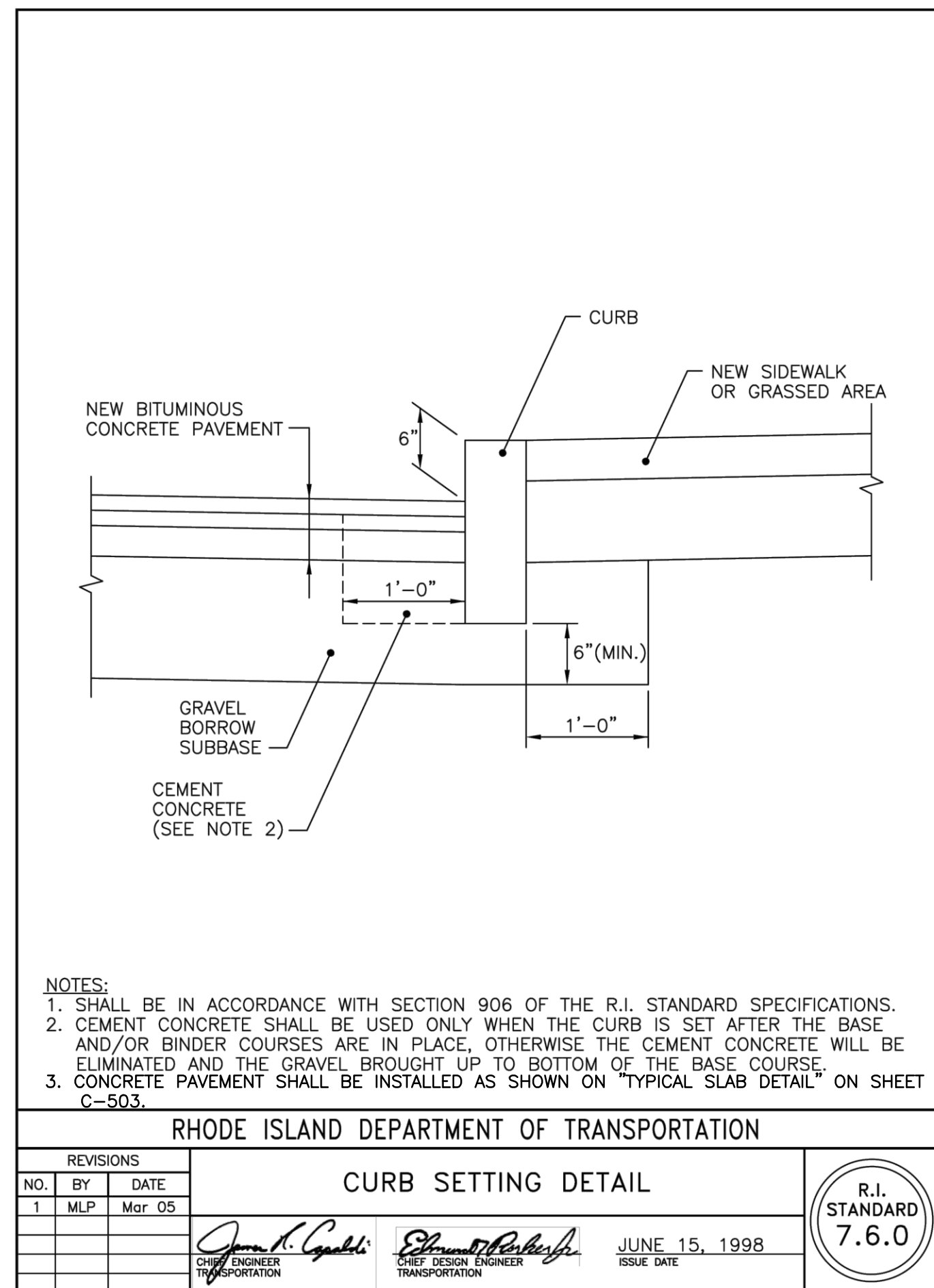
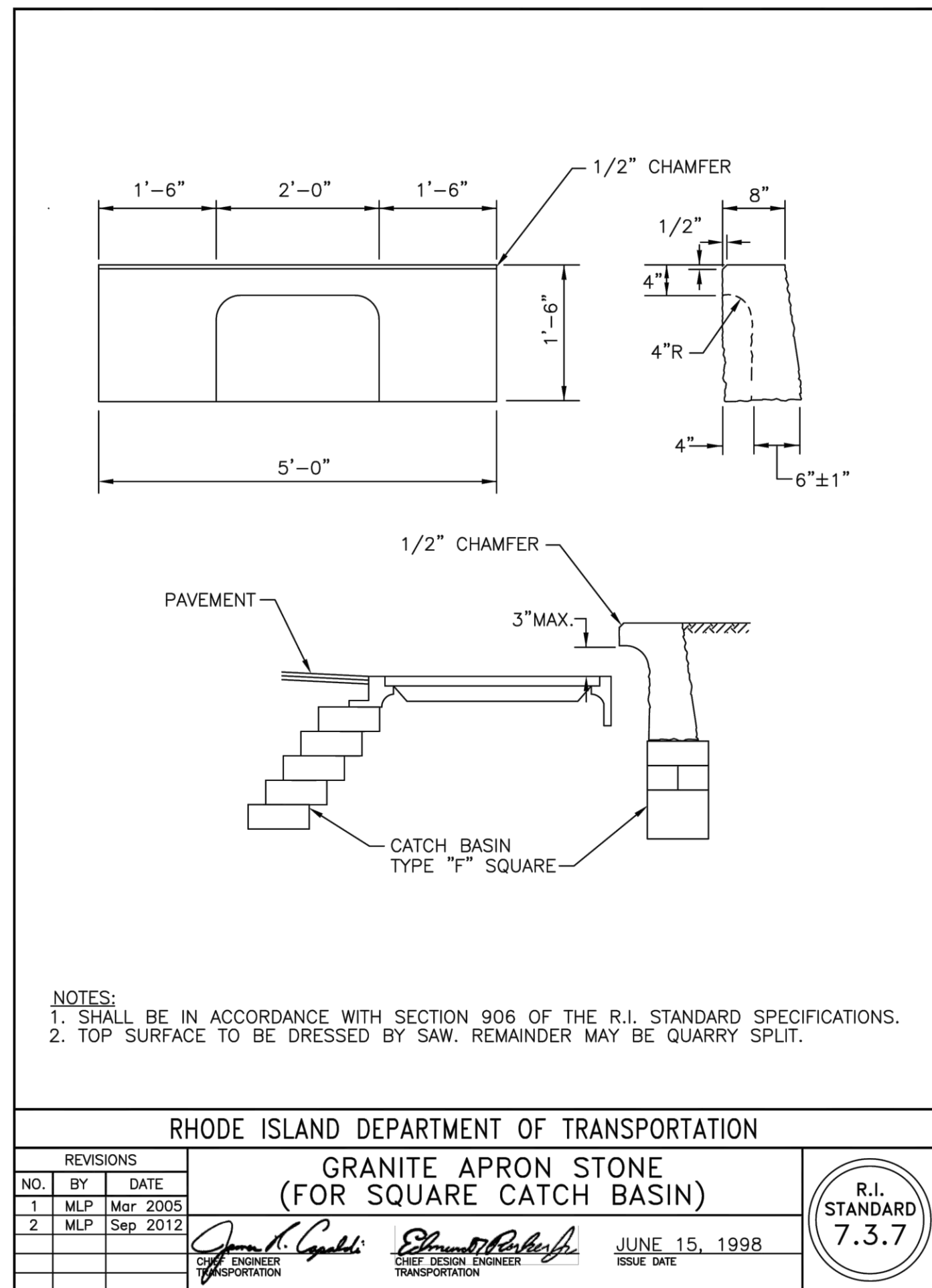
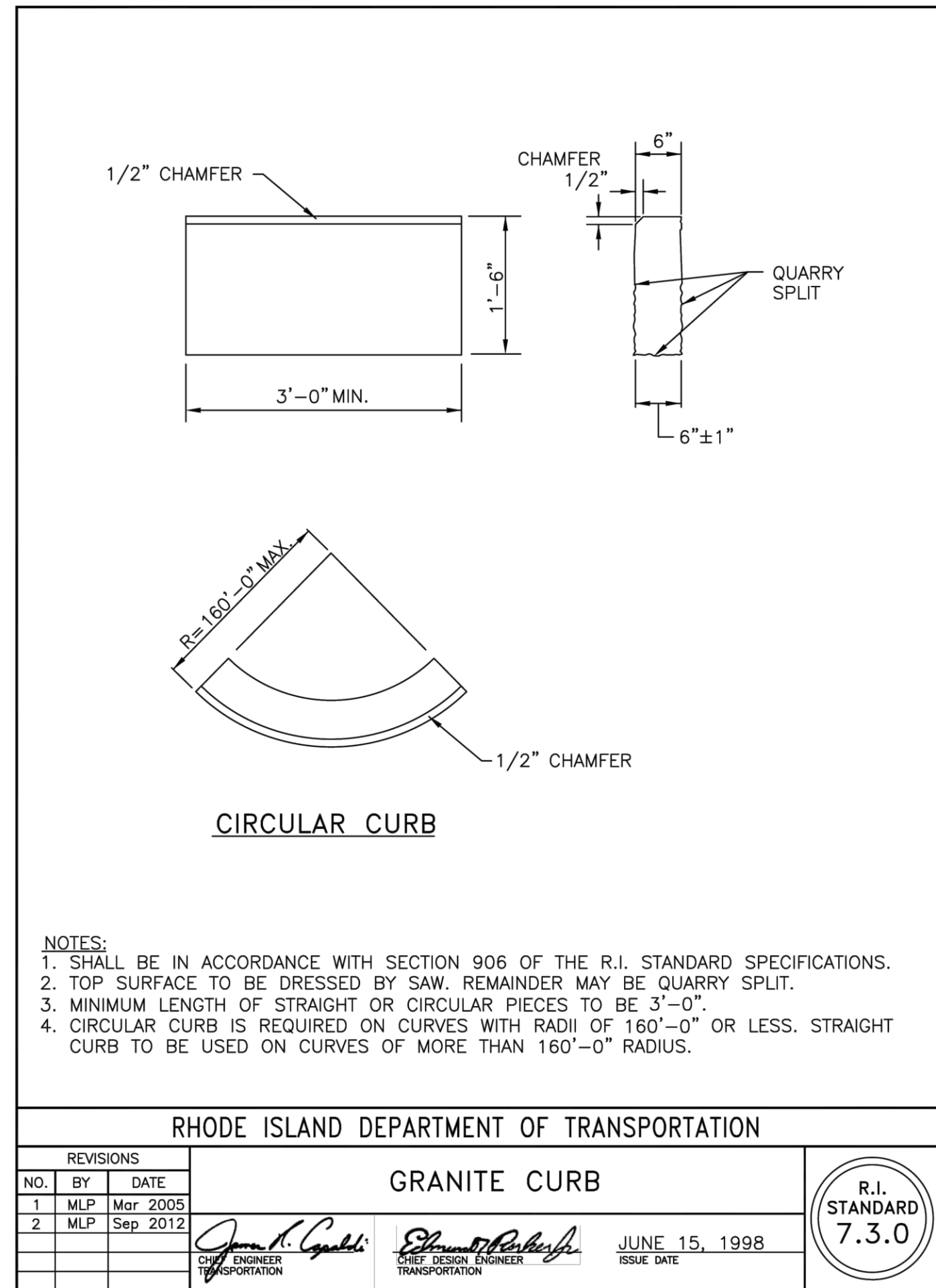
NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
2. DRAWING SHOWS TRANSITION CURB FOR ONE DIRECTION, FOR OTHER DIRECTION USE OPPOSITE HAND AND INCLUDE A 1/2" @ 4" EPOXY COATED DOWEL.
3. EXPOSED SURFACES TO HAVE A 3/4" CHAMFER.
4. EXPOSED EDGES TO HAVE A 3/4" CHAMFER.
5. LEFT AND RIGHT SECTIONS SHALL BE INSTALLED AS REQUIRED.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION		
3'-0" PRECAST CONCRETE TRANSITION CURB		
JUNE 15, 1998		ISSUE DATE
R.I. STANDARD 7.1.1		

120 ST JAMES AVENUE
5TH FLOOR
BOSTON, MA 02116
CSO PROGRAM MANAGER
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CITY OF NEWPORT, RHODE ISLAND
DEPARTMENT OF UTILITIES

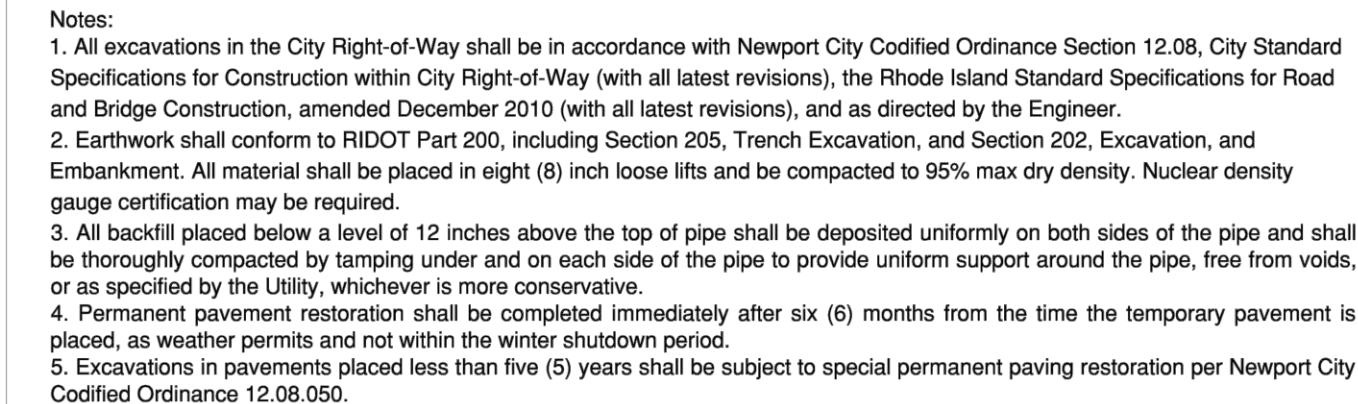
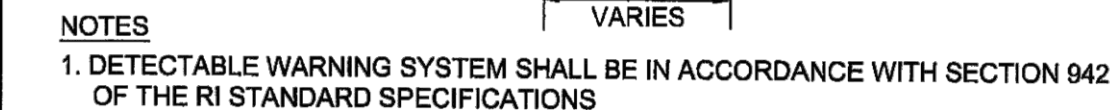
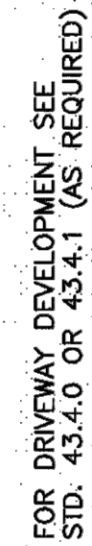
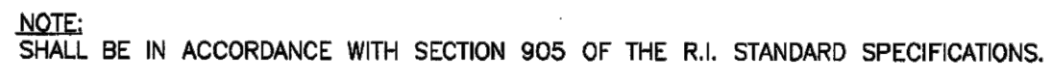
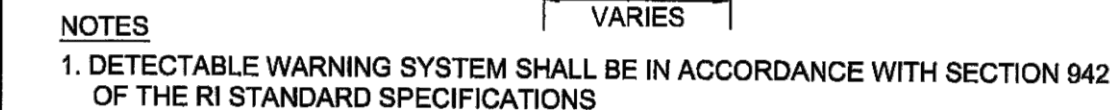
JACOBS
CIVIL
STANDARD DETAILS

NTS
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
DATE JULY 2026
PROJ D3258803
DWG C-504
SHEET 013 of 20



Jacobs	CIVIL STANDARD DETAILS	CSO PROGRAM MANAGER BELLEVUE AVENUE AND LEDGE ROAD CATCH BASIN DISCONNECTION CITY OF NEWPORT, RHODE ISLAND DEPARTMENT OF UTILITIES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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