

City of East Providence Water Department System Improvements Cleaning and Lining Phase V

City of East Providence RFP #EP 23/24-26
East Providence, Rhode Island

CIVIL ENGINEER:

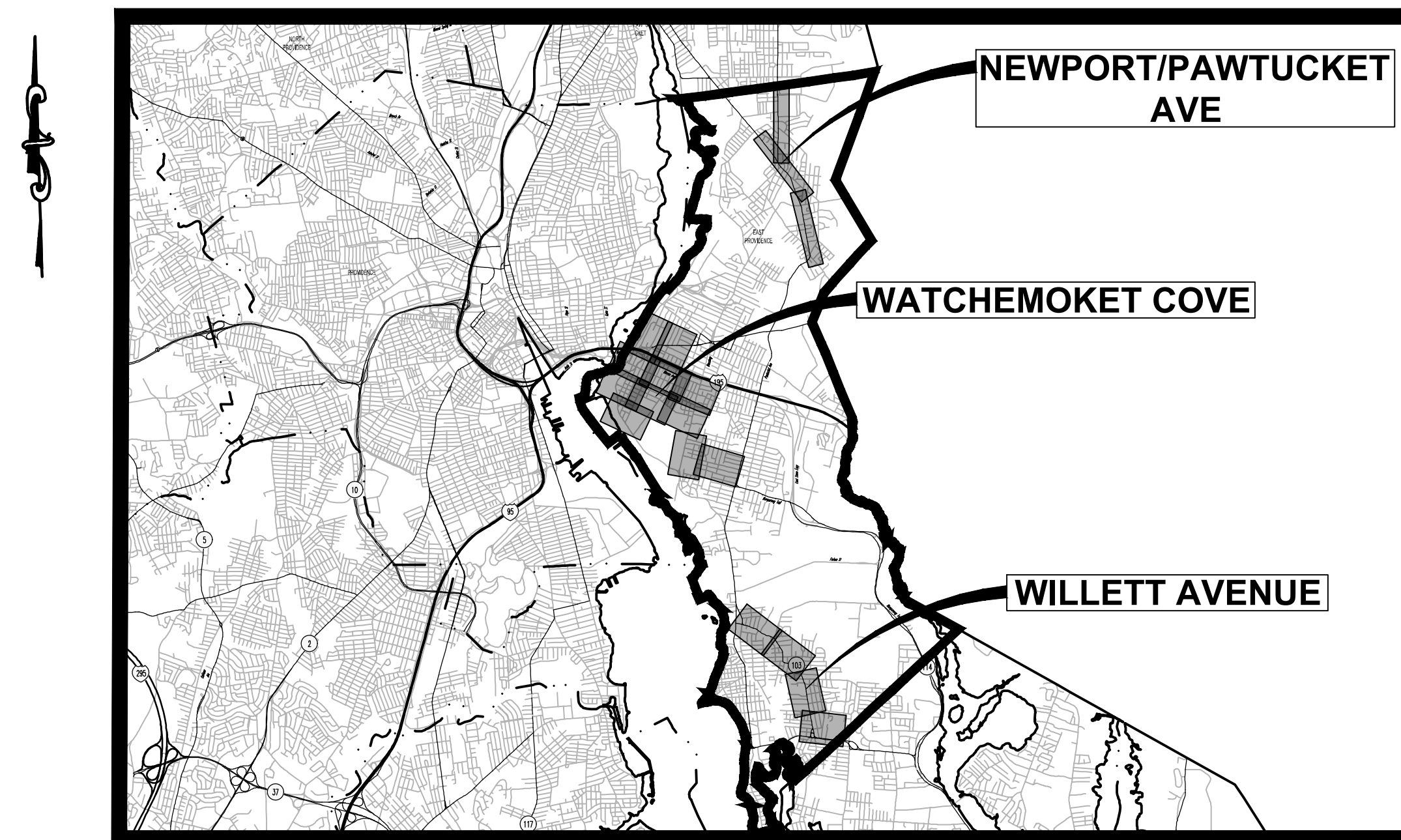


PARE CORPORATION
ENGINEERS - SCIENTISTS - PLANNERS
8 BLACKSTONE VALLEY PLACE
LINCOLN, RI 02865
401-334-4100

OWNER / APPLICANT:



CITY OF EAST PROVIDENCE
WATER UTILITIES DIVISION
60 COMMERCE WAY
EAST PROVIDENCE, RI 02914

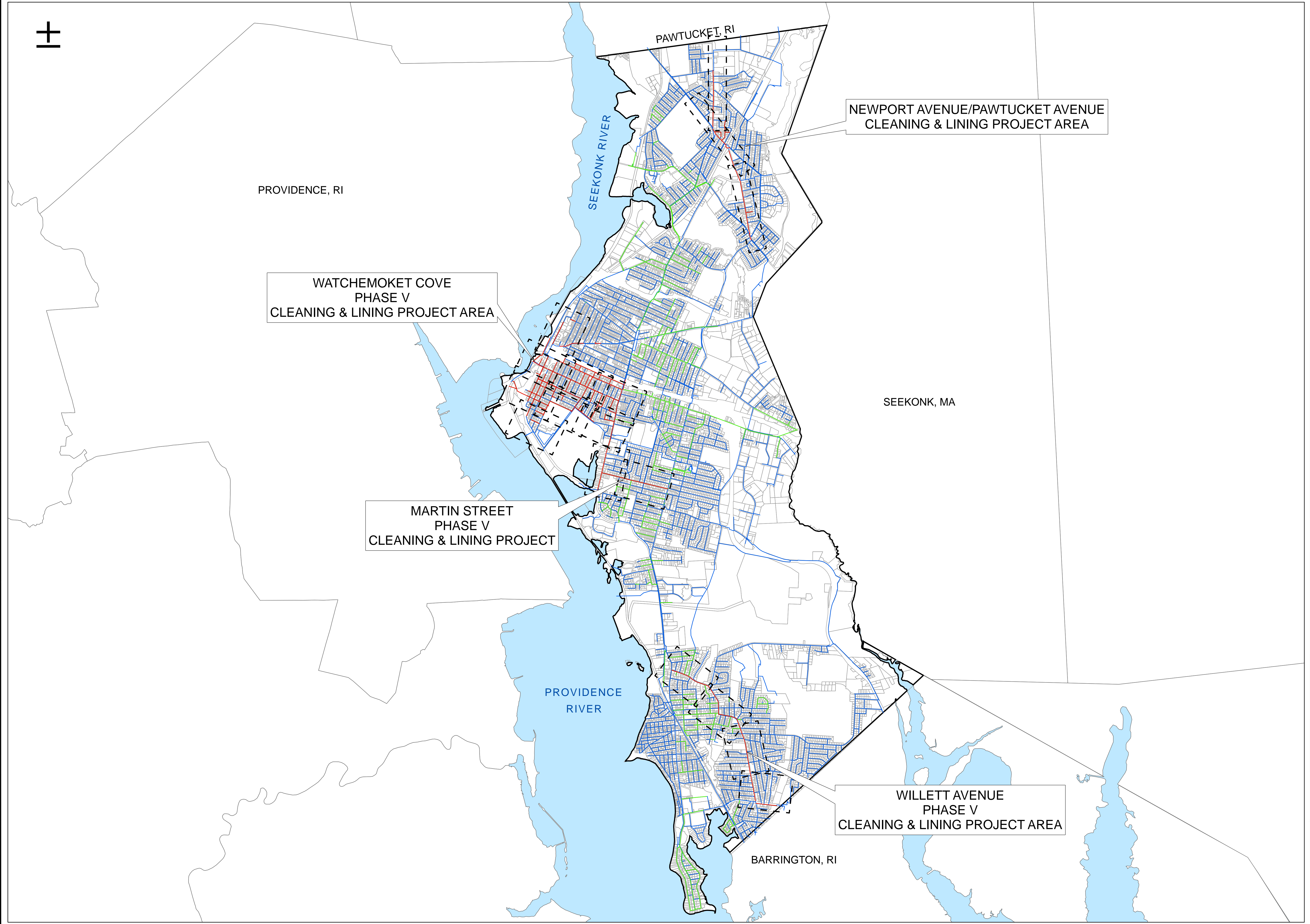
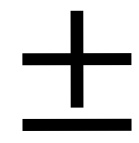


Scale : N.T.S.

INDEX OF DRAWINGS

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APRIL 2024



PROVIDENCE, RI

PAWTUCKET, RI

NEWPORT AVENUE/PAWTUCKET AVENUE
CLEANING & LINING PROJECT AREA

WATCHEMOKET COVE
PHASE V
CLEANING & LINING PROJECT AREA

SEEKONK, MA

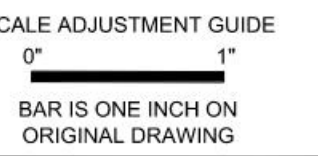
MARTIN STREET
PHASE V
CLEANING & LINING PROJECT

PROVIDENCE
RIVER

WILLETT AVENUE
PHASE V
CLEANING & LINING PROJECT AREA

BARRINGTON, RI

1 INCH=2,000 FEET



CITY OF EAST PROVIDENCE
WATER DEPARTMENT SYSTEM IMPROVEMENTS
CLEANING AND LINING PHASE V

Legend

- Parcel Boundaries
- Proposed Cleaning and Lining Phase V (2024-2025)
- Water Pipes Proposed for Future Cleaning and Lining Projects
- Other Water Pipes

ACRONYMS:
TSV: TAPPING SLEEVE AND VALVE
RWGV: RESILIENT WEDGE GATE VALVE
R&D: REMOVE AND DISPOSE
R&R: REMOVE AND RESET
SVC: SERVICE

PROJECT NO.: 12200.15
DATE: APRIL 2024
SCALE: AS NOTED
DESIGNED BY: JA
CHECKED BY: BMB
DRAWN BY: SP
APPROVED BY: TPT
DRAWING TITLE:

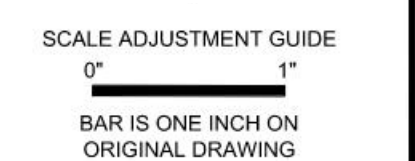
PROJECT AREA
PLAN

C1.1

SHEET NO. 3 OF 31



1 INCH=350 FEET



CITY OF EAST PROVIDENCE
WATER DEPARTMENT SYSTEM IMPROVEMENTS
CLEANING AND LINING PHASE V

Legend

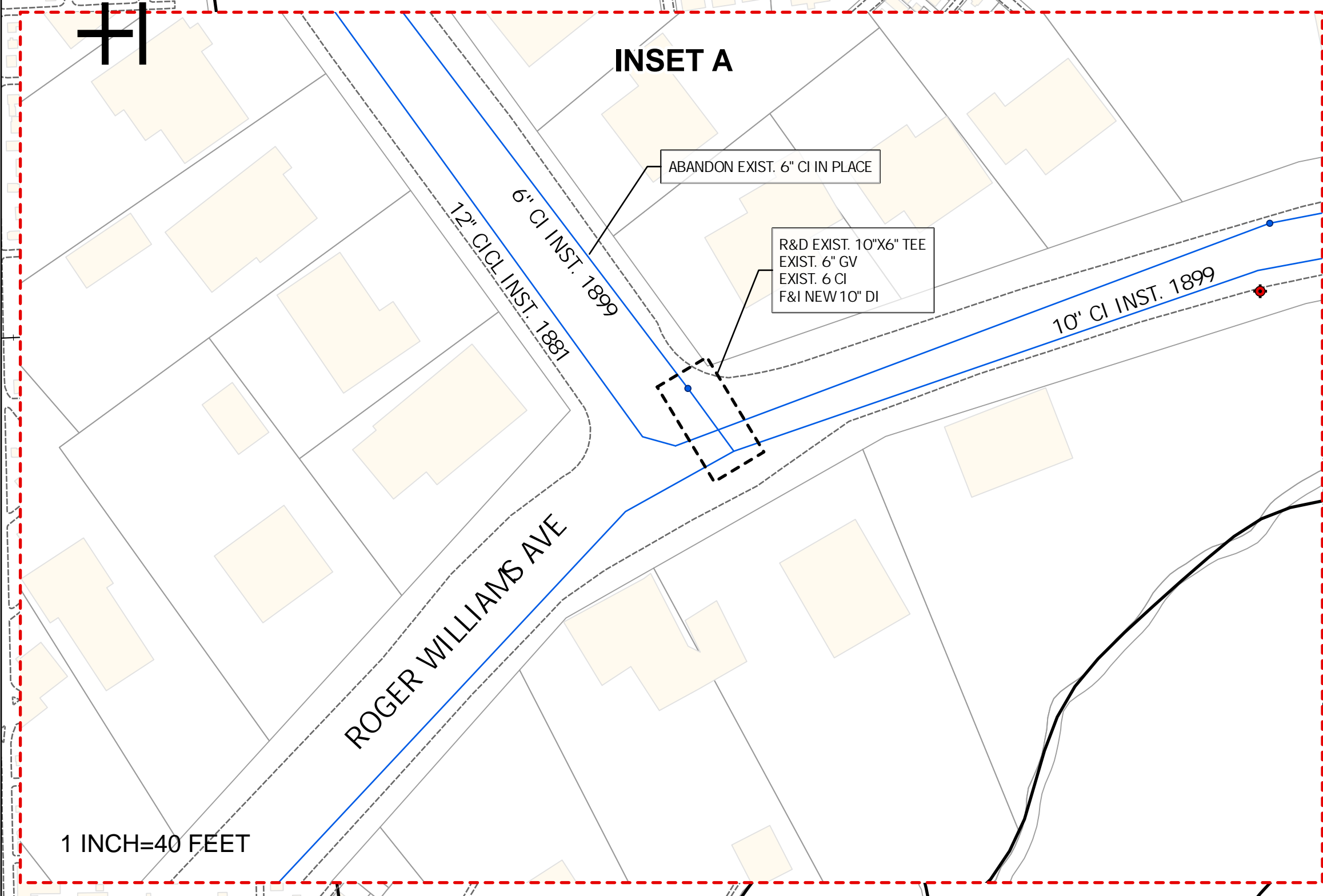
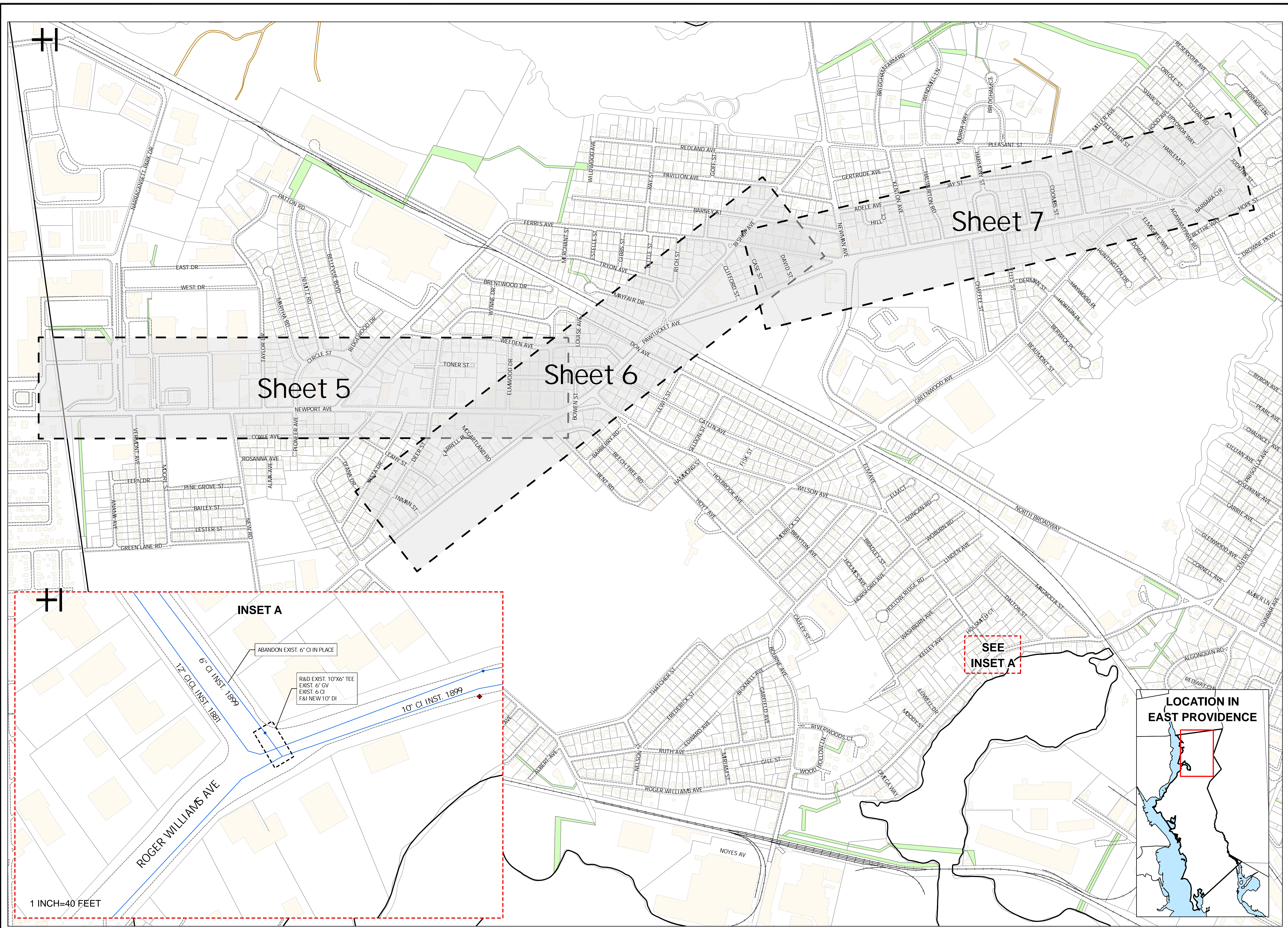
- Parcel Boundaries
- Road Edges
- Railroad Lines
- Easements
- Dirt Roads
- Buildings

- ACRONYMS:
 TSV: TAPPING SLEEVE AND VALVE
 RWGV: RESILIENT WEDGE GATE VALVE
 R&D: REMOVE AND DISPOSE
 R&R: REMOVE AND RESET
 SVC: SERVICE

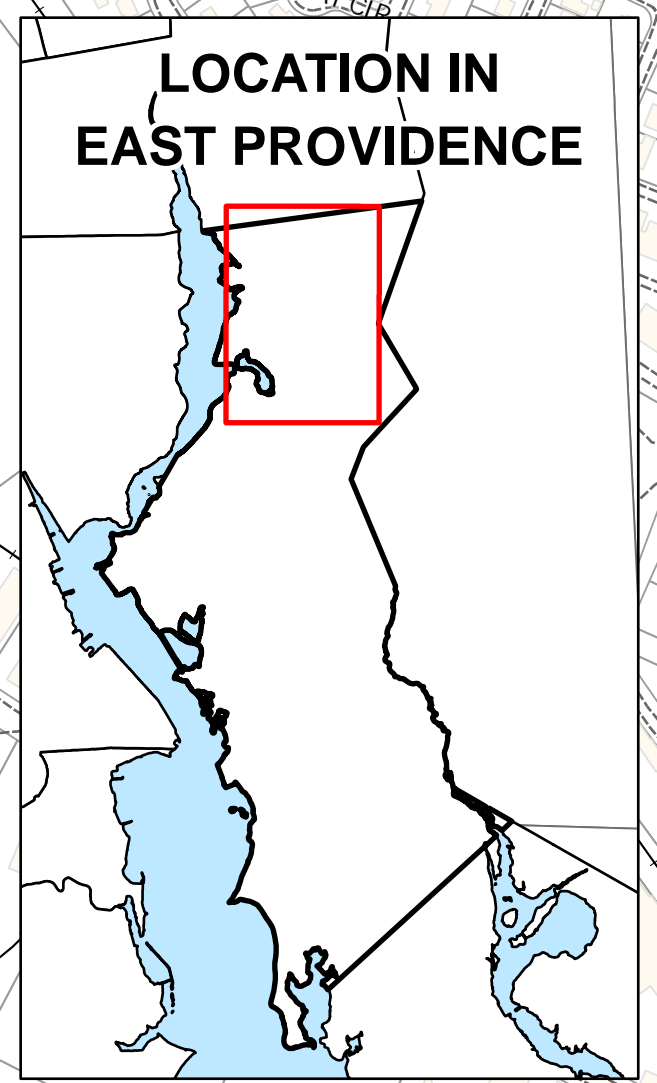
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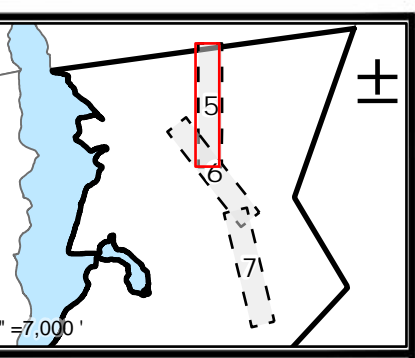
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**NEWPORT/
PAWTUCKET AVE
KEY PLAN**

C2.0
SHEET NO. 4 OF 31

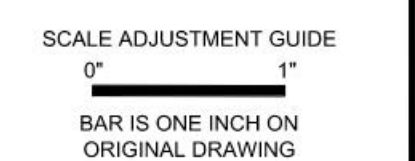


SEE
INSET A





1 INCH=80 FEET



CITY OF EAST PROVIDENCE
WATER DEPARTMENT SYSTEM IMPROVEMENTS
CLEANING AND LINING PHASE V

Legend

- Parcel Boundaries
- New Valve
- Water Valve
- Water Service Valve
- Water Pipe
- New Water Pipe
- Water Hydrant
- Road Edges
- Railroad Lines
- Easements
- Dirt Roads
- Buildings

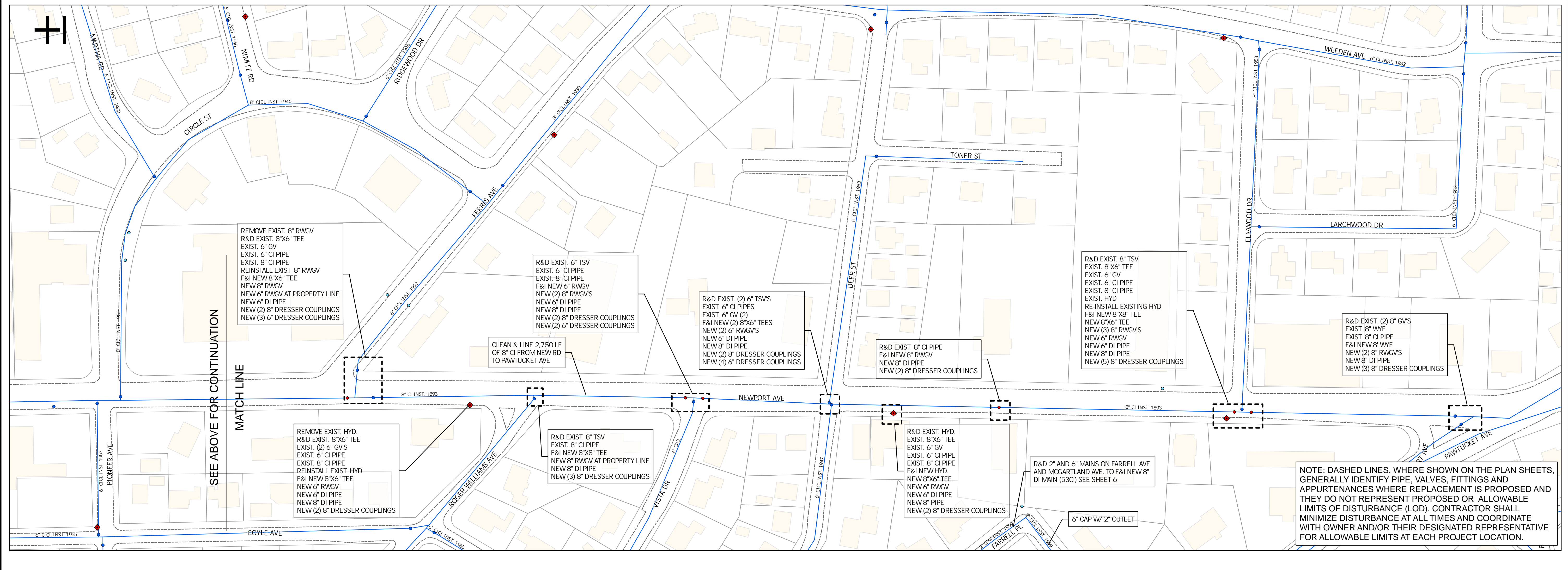
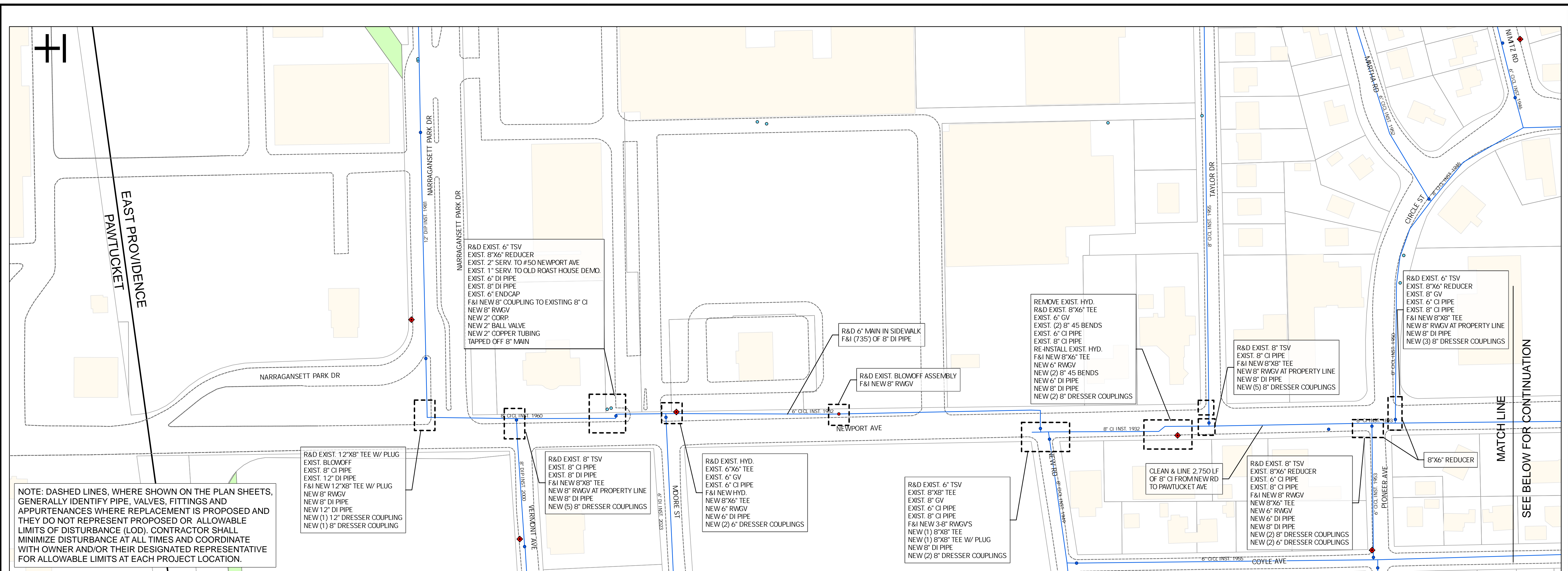
ACRONYMS:
 TSV: TAPPING SLLEEVE AND VALVE
 RWGV: RESILIENT WEDGE GATE VALVE
 R&D: REMOVE AND DISPOSE
 R&R: REMOVE AND RESET
 SVC: SERVICE

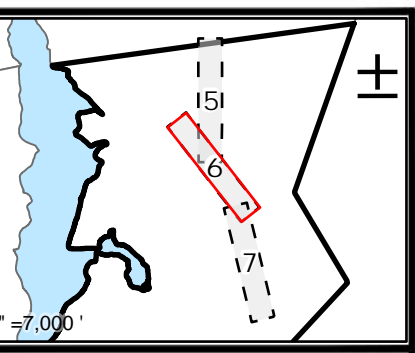
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 DATE: APRIL 2024
 SCALE: AS NOTED
 DESIGNED BY: JA
 CHECKED BY: BMB
 DRAWN BY: SP
 APPROVED BY: TPT
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NEWPORT/
PAWTUCKET AVE 1

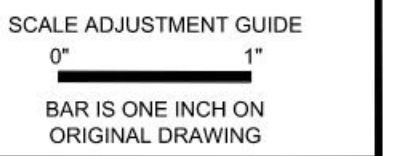
C2.1

SHEET NO. 5 OF 31





1 INCH=80 FEET



CITY OF EAST PROVIDENCE
WATER DEPARTMENT SYSTEM IMPROVEMENTS
CLEANING AND LINING PHASE V

Legend

- Parcel Boundaries
- New Valve
- Water Valve
- Water Service Valve
- Water Pipe
- New Water Pipe
- Water Hydrant
- Road Edges
- Railroad Lines
- Easements
- Dirt Roads
- Buildings

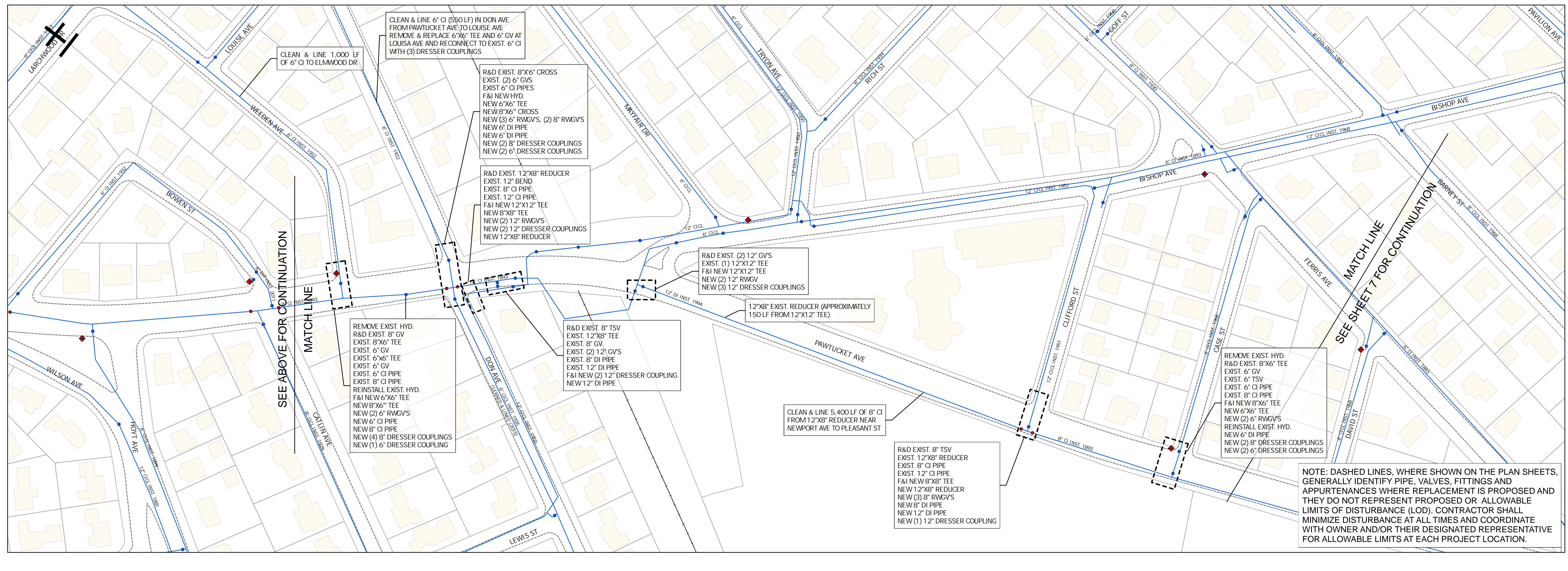
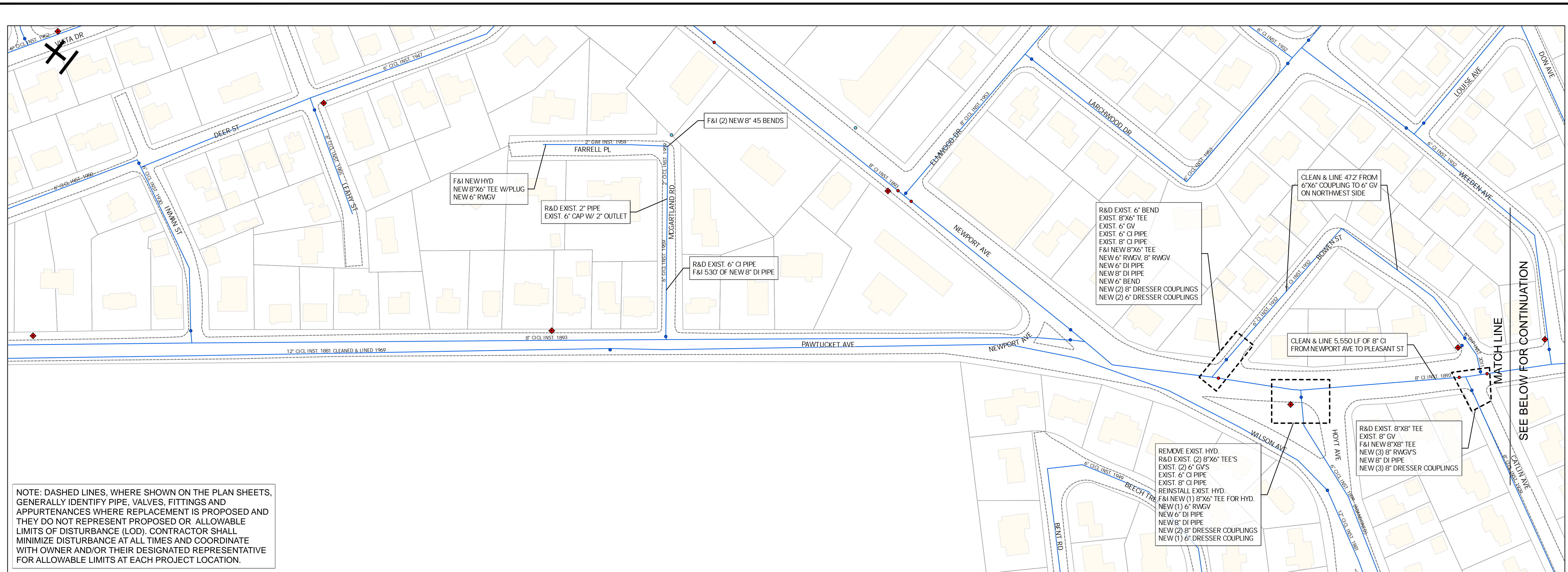
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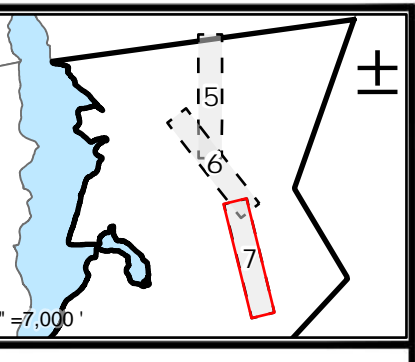
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DATE: APRIL 2024
SCALE: AS NOTED
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CHECKED BY: BMB
DRAWN BY: SP
APPROVED BY: TPT
DRAWING TITLE:

NEWPORT/
PAWTUCKET AVE 2

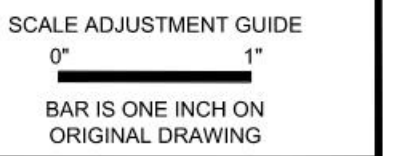
C2.2

SHEET NO. 6 OF 31





1 INCH=80 FEET



CITY OF EAST PROVIDENCE
WATER DEPARTMENT SYSTEM IMPROVEMENTS
CLEANING AND LINING PHASE V

Legend

- Parcel Boundaries
- New Valve
- Water Valve
- Water Service Valve
- Water Pipe
- New Water Pipe
- Water Hydrant
- Road Edges
- Railroad Lines
- Easements
- Dirt Roads
- Buildings

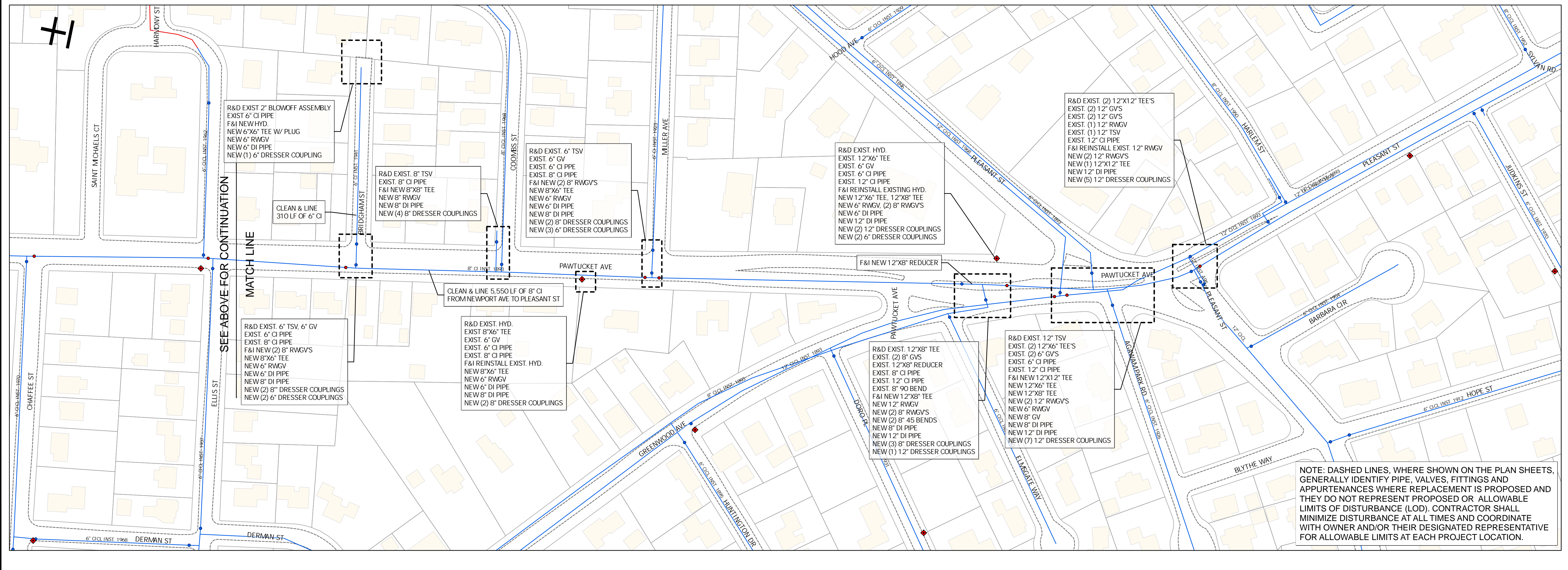
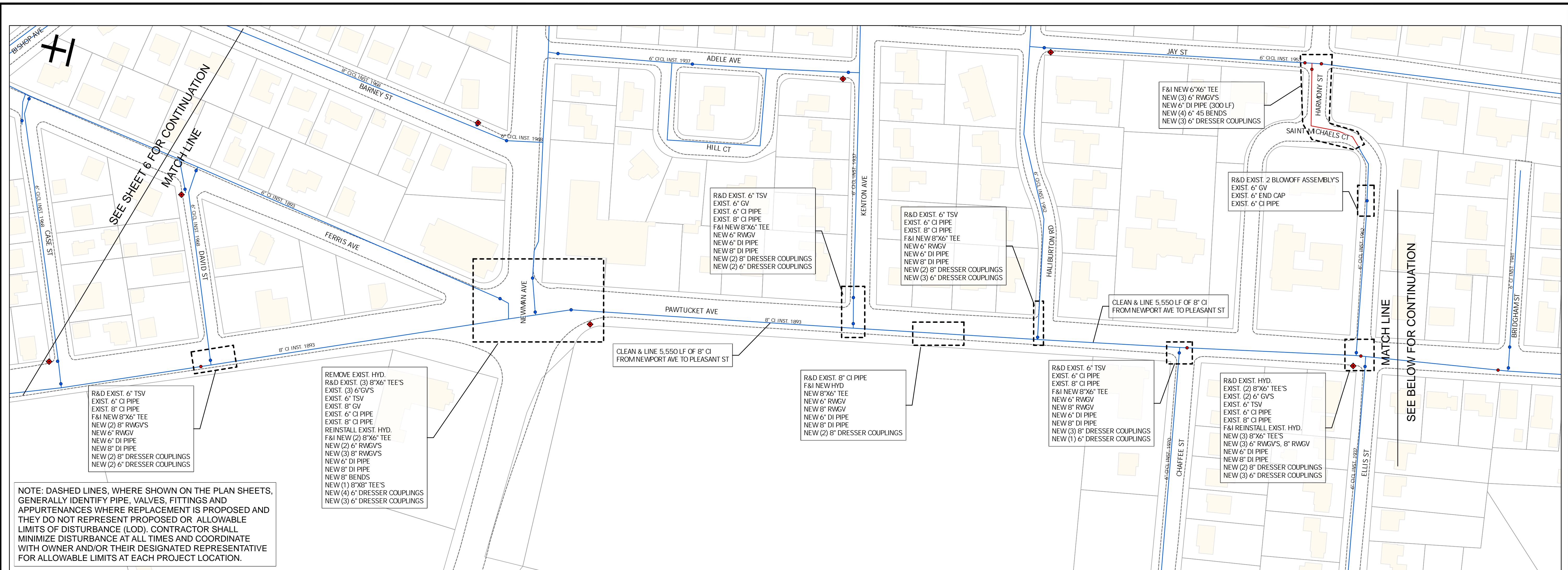
ACRONYMS:
TSV: TAPPING SLEEVE AND VALVE
RWGV: RESILIENT WEDGE GATE VALVE
R&D: REMOVE AND DISPOSE
R&R: REMOVE AND RESET
SVC: SERVICE

PROJECT NO.: 12200.15
DATE: APRIL 2024
SCALE: AS NOTED
DESIGNED BY: JA
CHECKED BY: BMB
DRAWN BY: SP
APPROVED BY: TPT
DRAWING TITLE:

NEWPORT/
PAWTUCKET AVE 3

C2.3

SHEET NO. 7 OF 31

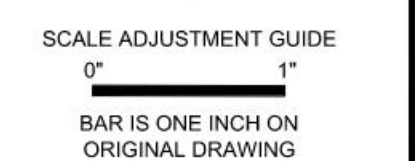


NOTE: DASHED LINES, WHERE SHOWN ON THE PLAN SHEETS, GENERALLY IDENTIFY PIPE, VALVES, FITTINGS AND APPURTENANCES WHERE REPLACEMENT IS PROPOSED AND THEY DO NOT REPRESENT PROPOSED OR ALLOWABLE LIMITS OF DISTURBANCE (LOD). CONTRACTOR SHALL MINIMIZE DISTURBANCE AT ALL TIMES AND COORDINATE WITH OWNER AND/OR THEIR DESIGNATED REPRESENTATIVE FOR ALLOWABLE LIMITS AT EACH PROJECT LOCATION.

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1 INCH=400 FEET



CITY OF EAST PROVIDENCE
WATER DEPARTMENT SYSTEM IMPROVEMENTS
CLEANING AND LINING PHASE V

Legend

- Parcel Boundaries
- Road Edges
- Railroad Lines
- Easements
- Dirt Roads
- Buildings

ACRONYMS:
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 RWGV: RESILIENT WEDGE GATE VALVE
 R&D: REMOVE AND DISPOSE
 R&R: REMOVE AND RESET
 SVC: SERVICE

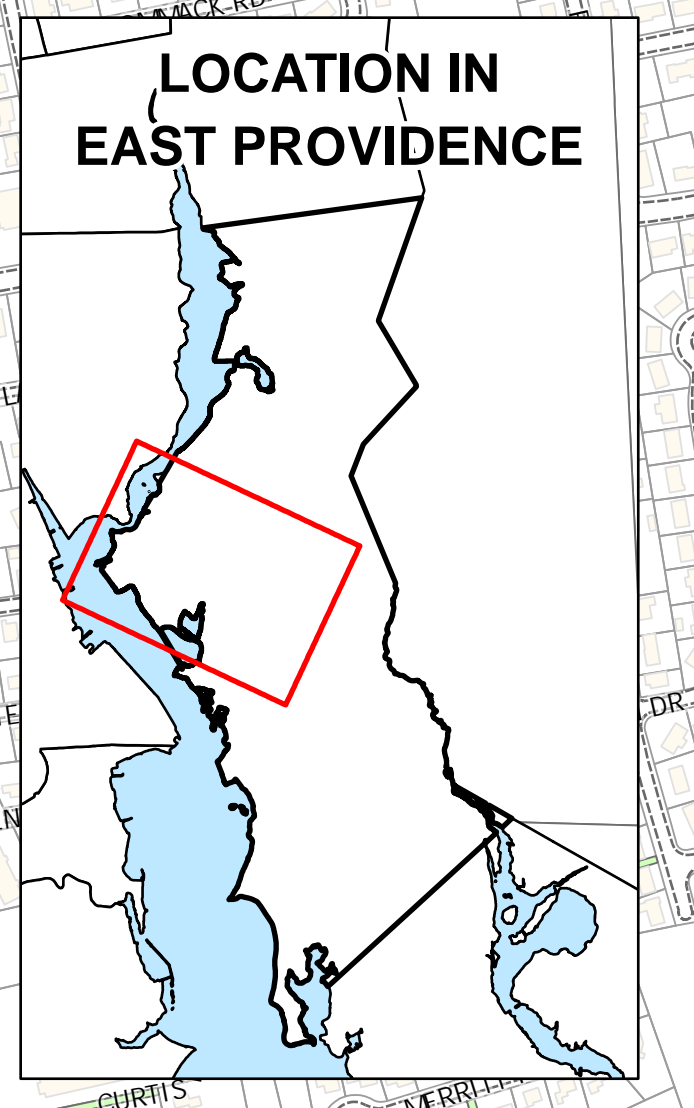
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 DATE: APRIL 2024
 SCALE: AS NOTED
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 APPROVED BY: TPT

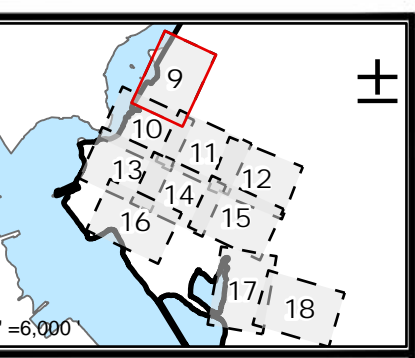
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**WATCHEMOKET COVE
KEY PLAN**

C3.0

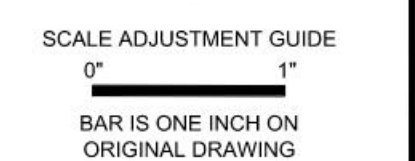
SHEET NO. 8 OF 31

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1 INCH=80 FEET



CITY OF EAST PROVIDENCE WATER DEPARTMENT SYSTEM IMPROVEMENTS CLEANING AND LINING PHASE V

Legend

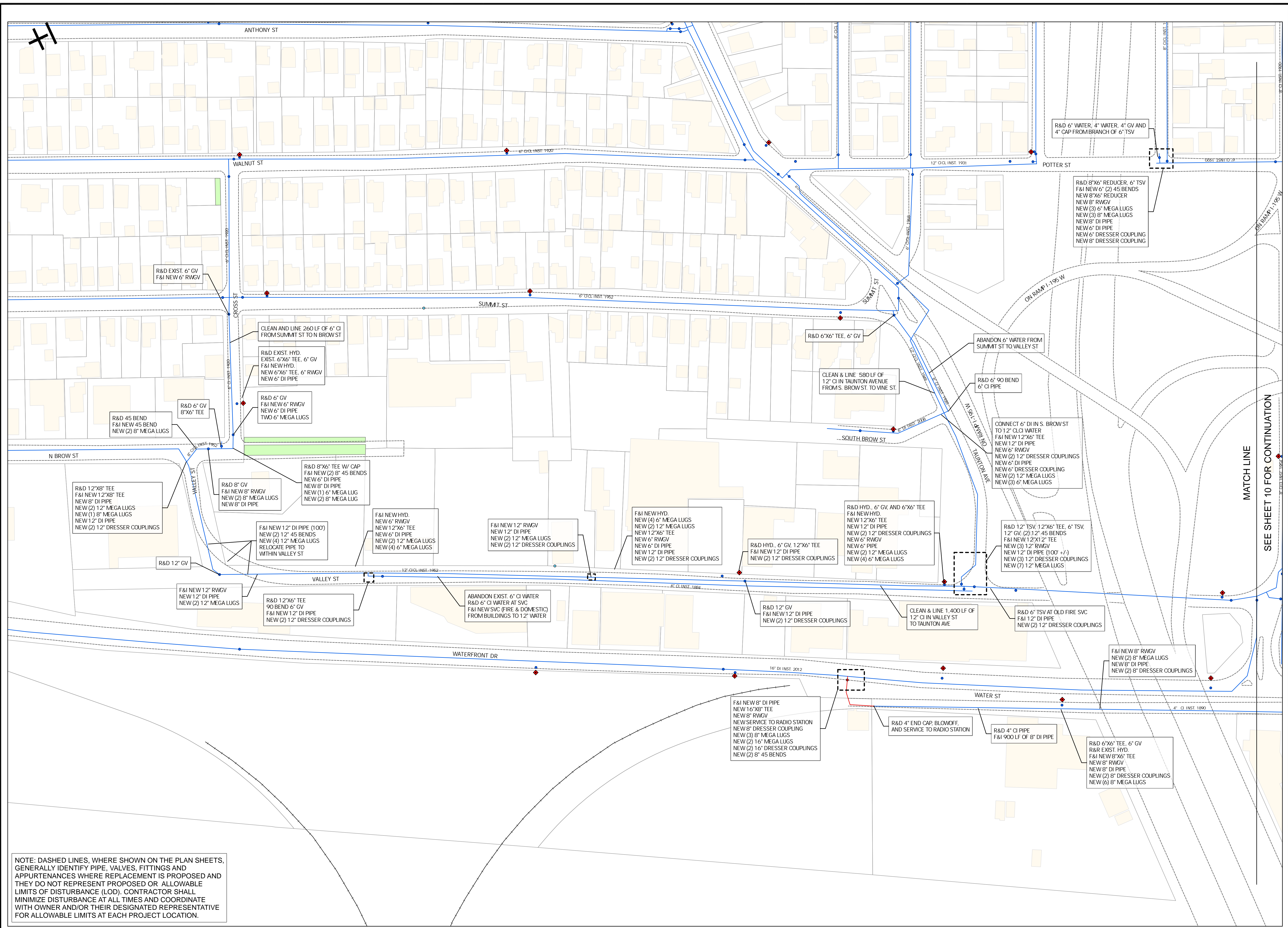
- Parcel Boundaries
- New Valve
- Water Valve
- Water Service Valve
- Water Pipe
- New Water Pipe
- Water Hydrant
- Road Edges
- Railroad Lines
- Easements
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PROJECT NO.: 12200.15
 DATE: APRIL 2024
 SCALE: AS NOTED
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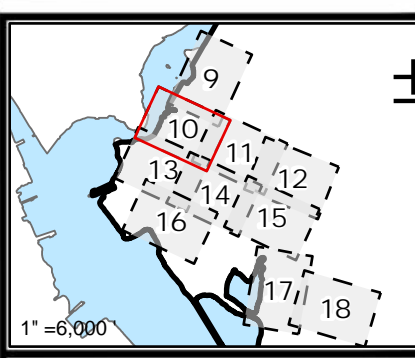
WATCHEMOKET COVE 1

C3.1

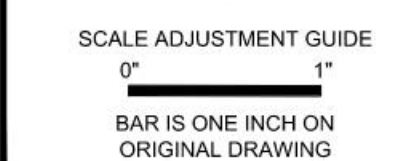
SHEET NO. 9 OF 31



NOTE: DASHED LINES, WHERE SHOWN ON THE PLAN SHEETS, GENERALLY IDENTIFY PIPE, VALVES, FITTINGS AND APPURTENANCES WHERE REPLACEMENT IS PROPOSED AND THEY DO NOT REPRESENT PROPOSED OR ALLOWABLE LIMITS OF DISTURBANCE (LOD). CONTRACTOR SHALL MINIMIZE DISTURBANCE AT ALL TIMES AND COORDINATE WITH OWNER AND/OR THEIR DESIGNATED REPRESENTATIVE FOR ALLOWABLE LIMITS AT EACH PROJECT LOCATION.



1 INCH=80 FEET



CITY OF EAST PROVIDENCE
WATER DEPARTMENT SYSTEM IMPROVEMENTS
CLEANING AND LINING PHASE V

Legend

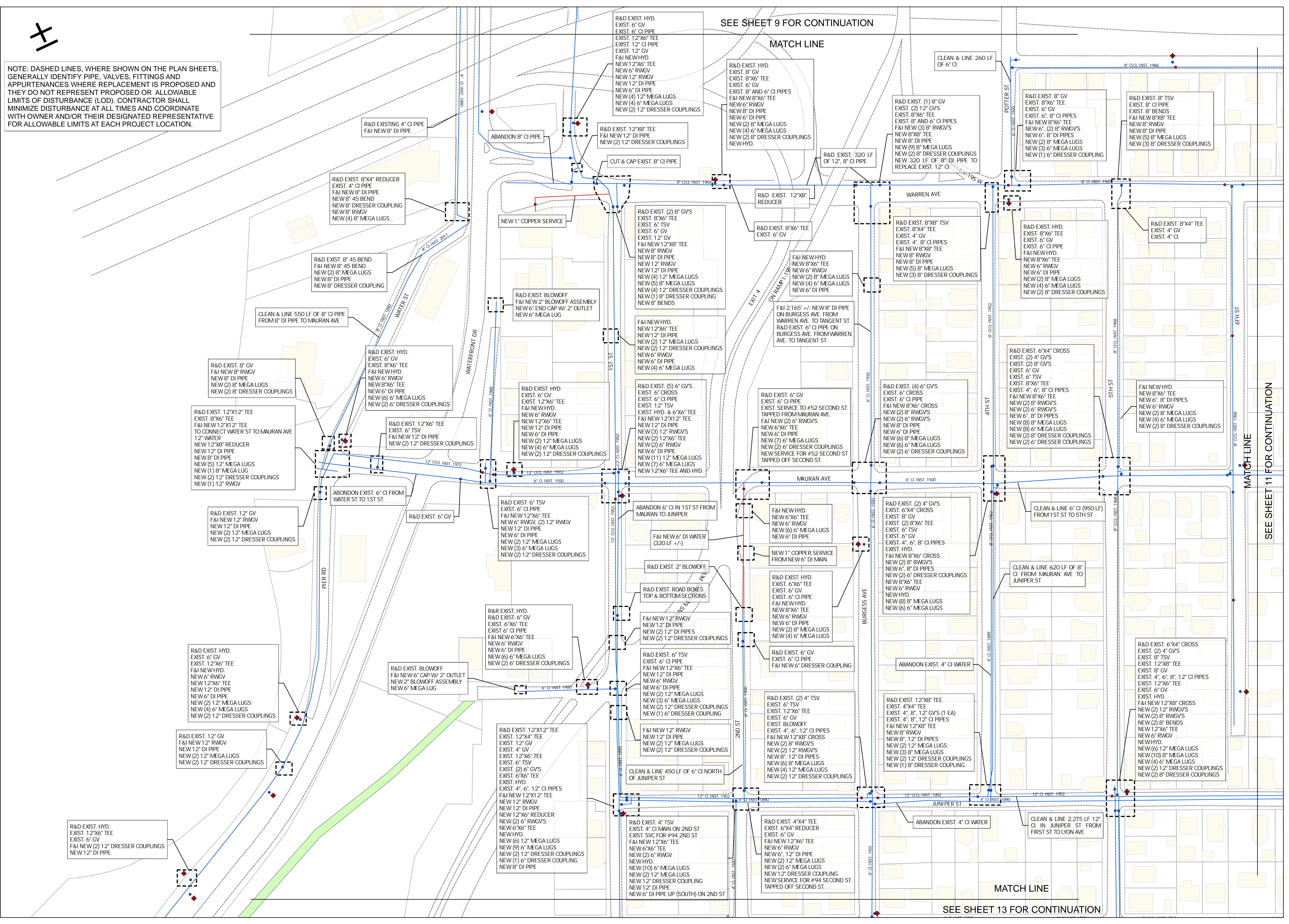
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- Water Hydrant
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PROJECT NO.: 12200.15
 DATE: APRIL 2024
 SCALE: AS NOTED
 DESIGNED BY: JA
 CHECKED BY: BMB
 DRAWN BY: SP
 APPROVED BY: TPT
 DRAWING TITLE:

WATCHEMOKET COVE 2

C3.2

SHEET NO. 10 OF 31



NOTE: DASHED LINES, WHERE SHOWN ON THE PLAN SHEETS, GENERALLY IDENTIFY PIPE, VALVES, FITTINGS AND APPURTENANCES WHERE REPLACEMENT IS PROPOSED AND THEY DO NOT REPRESENT PROPOSED OR ALLOWABLE LIMITS OF DISTURBANCE (LOD). CONTRACTOR SHALL MINIMIZE DISTURBANCE AT ALL TIMES AND COORDINATE WITH OWNER AND/OR THEIR DESIGNATED REPRESENTATIVE FOR ALLOWABLE LIMITS AT EACH PROJECT LOCATION.

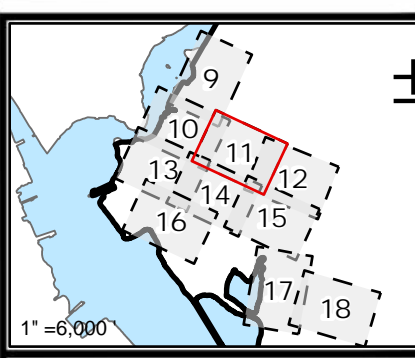
SEE SHEET 9 FOR CONTINUATION

MATCH LINE

SEE SHEET 11 FOR CONTINUATION

SEE SHEET 13 FOR CONTINUATION

MATCH LINE



1 INCH=80 FEET

SCALE ADJUSTMENT GUIDE
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

CITY OF EAST PROVIDENCE
WATER DEPARTMENT SYSTEM IMPROVEMENTS
CLEANING AND LINING PHASE V

Legend

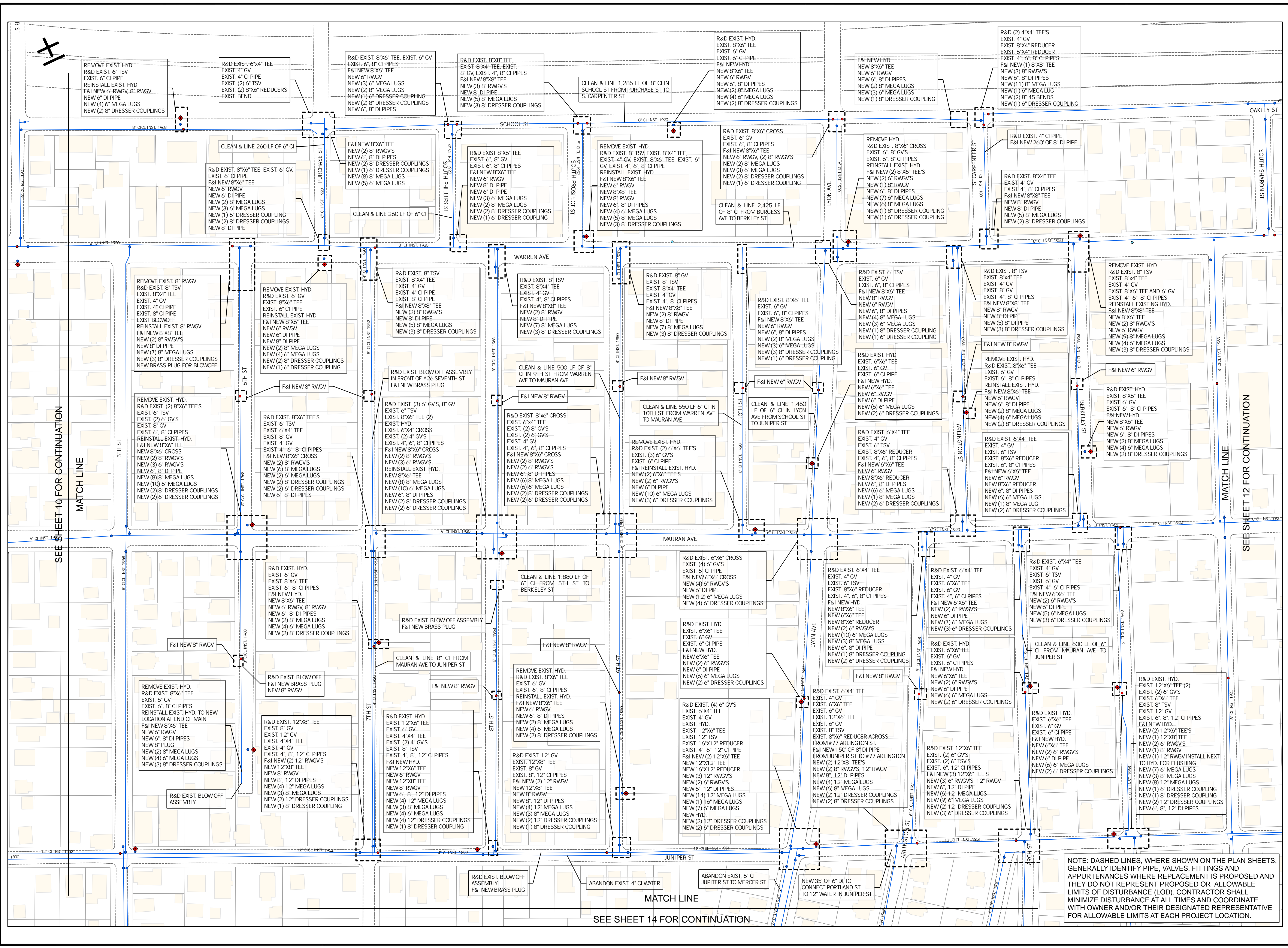
- Parcel Boundaries
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- Easements
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- Buildings

PROJECT NO.: 12200.15
 DATE: APRIL 2024
 SCALE: AS NOTED
 DESIGNED BY: JA
 CHECKED BY: BMB
 DRAWN BY: SP
 APPROVED BY: TPT
 DRAWING TITLE:

WATCHEMOKET COVE 3

C3.3

SHEET NO. 11 OF 31

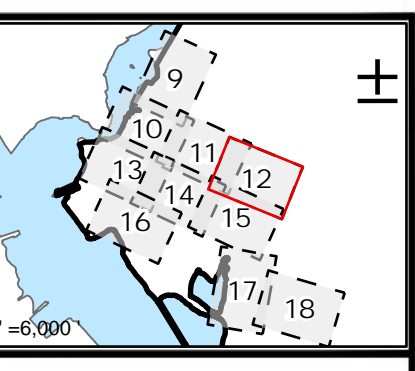


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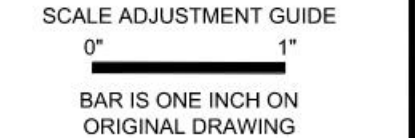
SEE SHEET 10 FOR CONTINUATION

SEE SHEET 12 FOR CONTINUATION

SEE SHEET 14 FOR CONTINUATION



1 INCH=80 FEET



CITY OF EAST PROVIDENCE
WATER DEPARTMENT SYSTEM IMPROVEMENTS
CLEANING AND LINING PHASE V

Legend

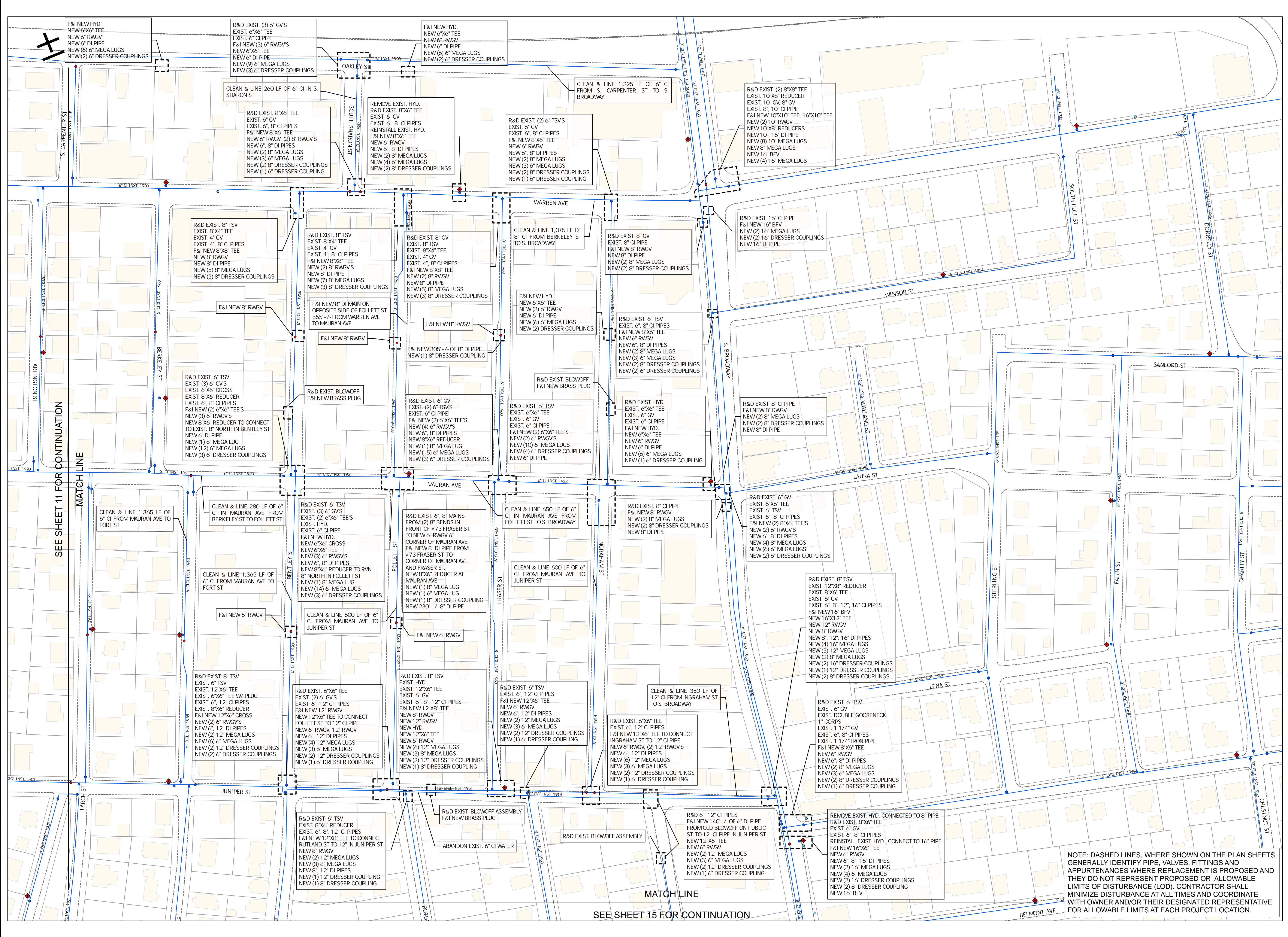
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 DRAWN BY: SP
 APPROVED BY: TPT
 DRAWING TITLE:

WATCHMOKET
COVE 4

C3.4

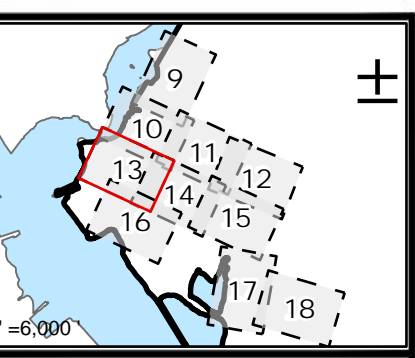
SHEET NO. 12 OF 31



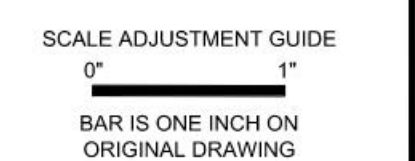
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SEE SHEET 15 FOR CONTINUATION

SEE SHEET 11 FOR CONTINUATION



1 INCH=80 FEET



CITY OF EAST PROVIDENCE
WATER DEPARTMENT SYSTEM IMPROVEMENTS
CLEANING AND LINING PHASE V

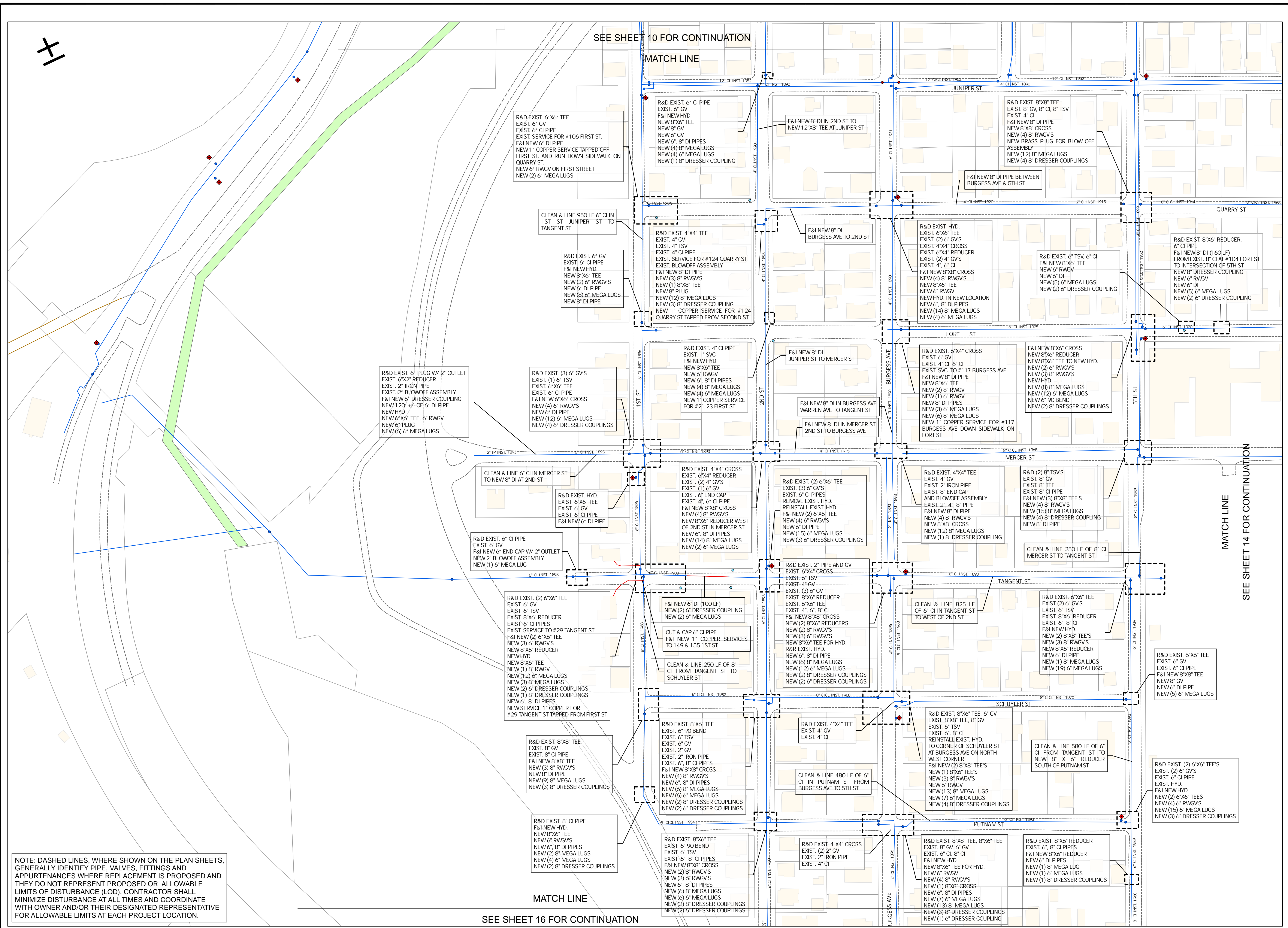
- Legend**
- Parcel Boundaries
 - New Valve
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 DRAWN BY: SP
 APPROVED BY: TPT
 DRAWING TITLE:

WATCHEMOKET COVE 5

C3.5

SHEET NO. 13 OF 31



NOTE: DASHED LINES, WHERE SHOWN ON THE PLAN SHEETS, GENERALLY IDENTIFY PIPE, VALVES, FITTINGS AND APPURTENANCES WHERE REPLACEMENT IS PROPOSED AND THEY DO NOT REPRESENT PROPOSED OR ALLOWABLE LIMITS OF DISTURBANCE (LOD). CONTRACTOR SHALL MINIMIZE DISTURBANCE AT ALL TIMES AND COORDINATE WITH OWNER AND/OR THEIR DESIGNATED REPRESENTATIVE FOR ALLOWABLE LIMITS AT EACH PROJECT LOCATION.

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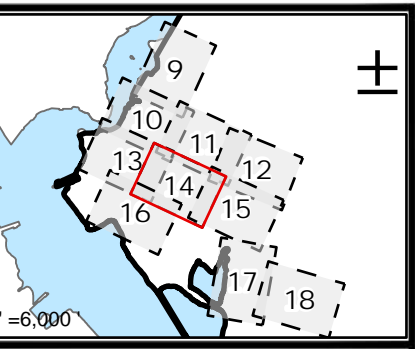
SEE SHEET 10 FOR CONTINUATION

MATCH LINE

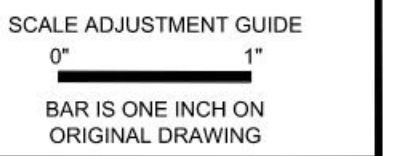
SEE SHEET 14 FOR CONTINUATION

MATCH LINE

SEE SHEET 16 FOR CONTINUATION



1 INCH=80 FEET



CITY OF EAST PROVIDENCE
WATER DEPARTMENT SYSTEM IMPROVEMENTS
CLEANING AND LINING PHASE V

Legend

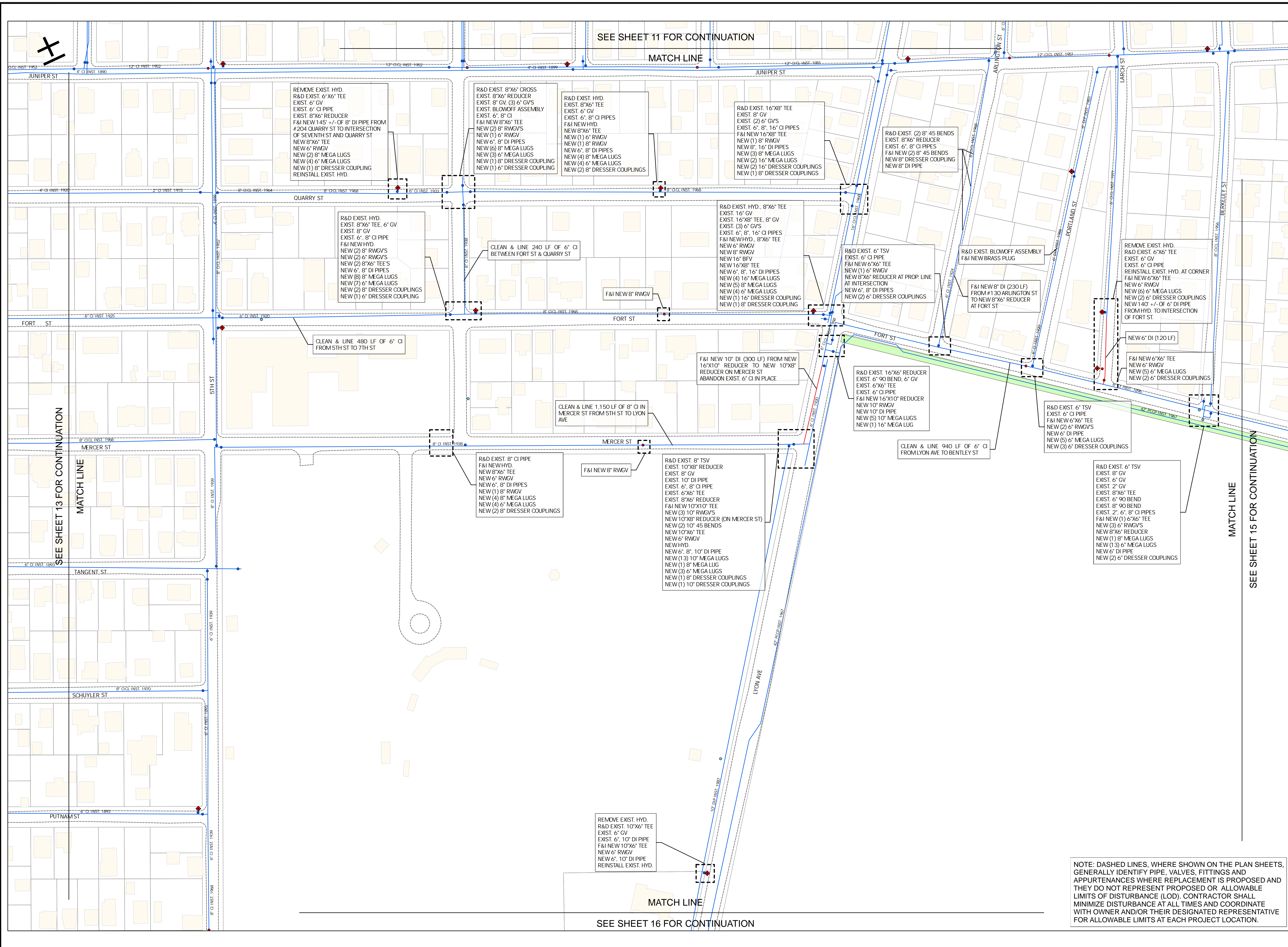
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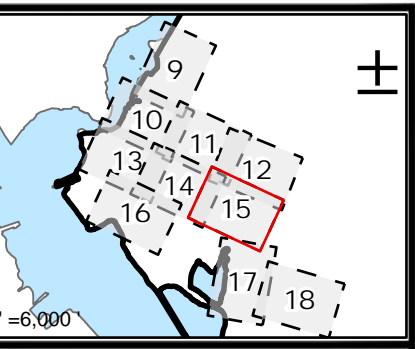
WATCHEMOKET COVE 6

C3.6

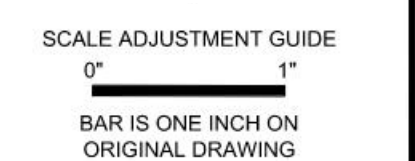
SHEET NO. 14 OF 31



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WATER DEPARTMENT SYSTEM IMPROVEMENTS
CLEANING AND LINING PHASE V

Legend

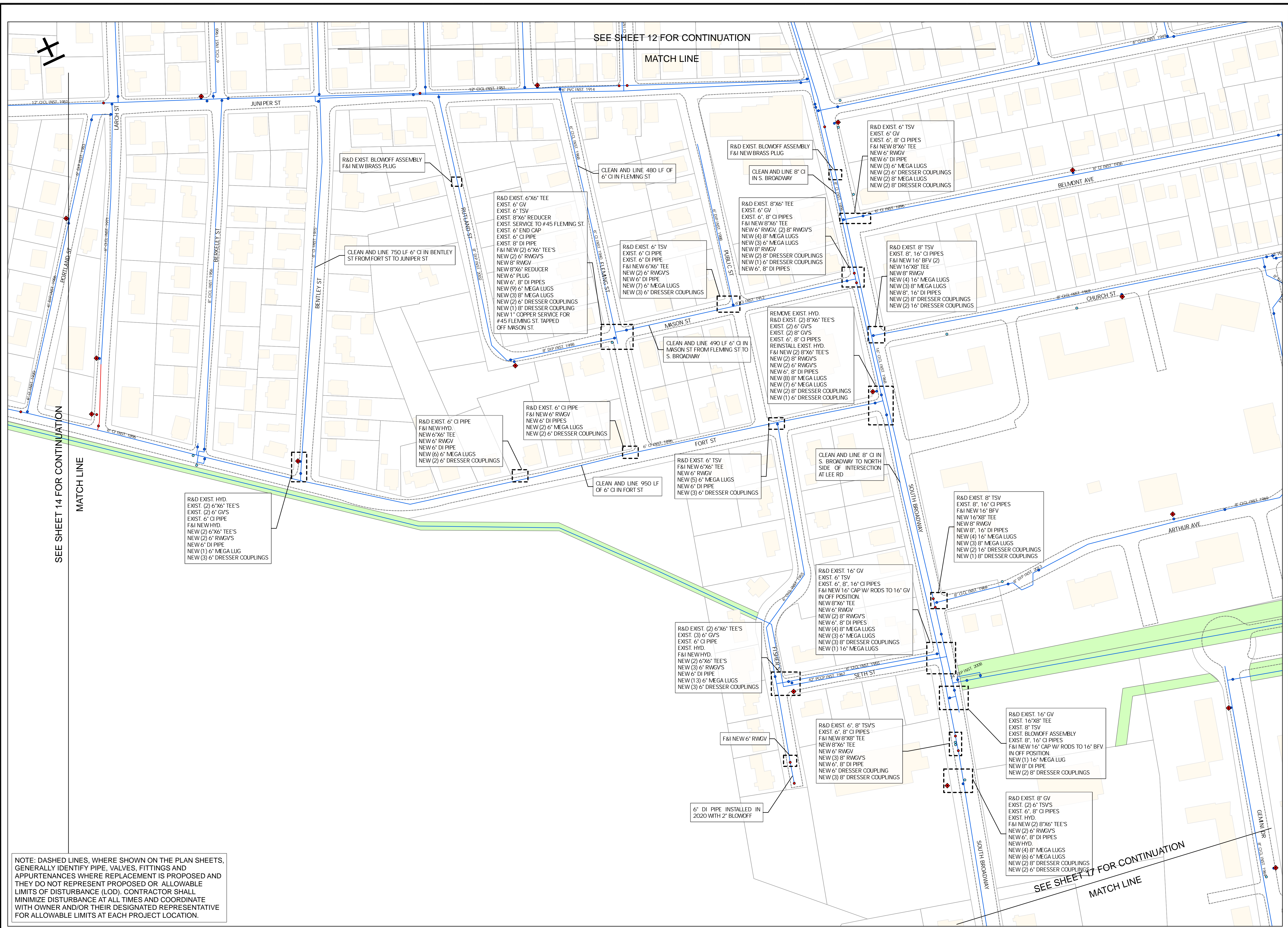
- Parcel Boundaries
- New Valve
- Water Valve
- Water Service Valve
- Water Pipe
- New Water Pipe
- Water Hydrant
- Road Edges
- Railroad Lines
- Easements
- Dirt Roads
- Buildings

PROJECT NO.: 12200.15
 DATE: APRIL 2024
 SCALE: AS NOTED
 DESIGNED BY: JA
 CHECKED BY: BMB
 DRAWN BY: SP
 APPROVED BY: TPT
 DRAWING TITLE:

WATCHMOKET COVE 7

C3.7

SHEET NO. 15 OF 31



SEE SHEET 12 FOR CONTINUATION

MATCH LINE

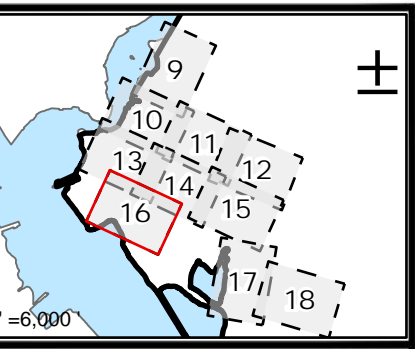
SEE SHEET 14 FOR CONTINUATION

MATCH LINE

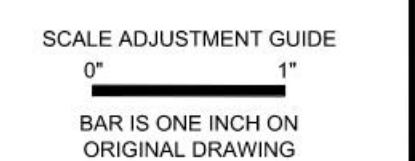
SEE SHEET 17 FOR CONTINUATION

MATCH LINE

NOTE: DASHED LINES, WHERE SHOWN ON THE PLAN SHEETS, GENERALLY IDENTIFY PIPE, VALVES, FITTINGS AND APPURTENANCES WHERE REPLACEMENT IS PROPOSED AND THEY DO NOT REPRESENT PROPOSED OR ALLOWABLE LIMITS OF DISTURBANCE (LOD). CONTRACTOR SHALL MINIMIZE DISTURBANCE AT ALL TIMES AND COORDINATE WITH OWNER AND/OR THEIR DESIGNATED REPRESENTATIVE FOR ALLOWABLE LIMITS AT EACH PROJECT LOCATION.



1 INCH=80 FEET



CITY OF EAST PROVIDENCE
WATER DEPARTMENT SYSTEM IMPROVEMENTS
CLEANING AND LINING PHASE V

Legend

- Parcel Boundaries
- New Valve
- Water Valve
- Water Service Valve
- Water Pipe
- New Water Pipe
- Water Hydrant
- Road Edges
- Railroad Lines
- Easements
- Dirt Roads
- Buildings

PROJECT NO.: 12200.15
 DATE: APRIL 2024
 SCALE: AS NOTED
 DESIGNED BY: JA
 CHECKED BY: BMB
 DRAWN BY: SP
 APPROVED BY: TPT
 DRAWING TITLE:

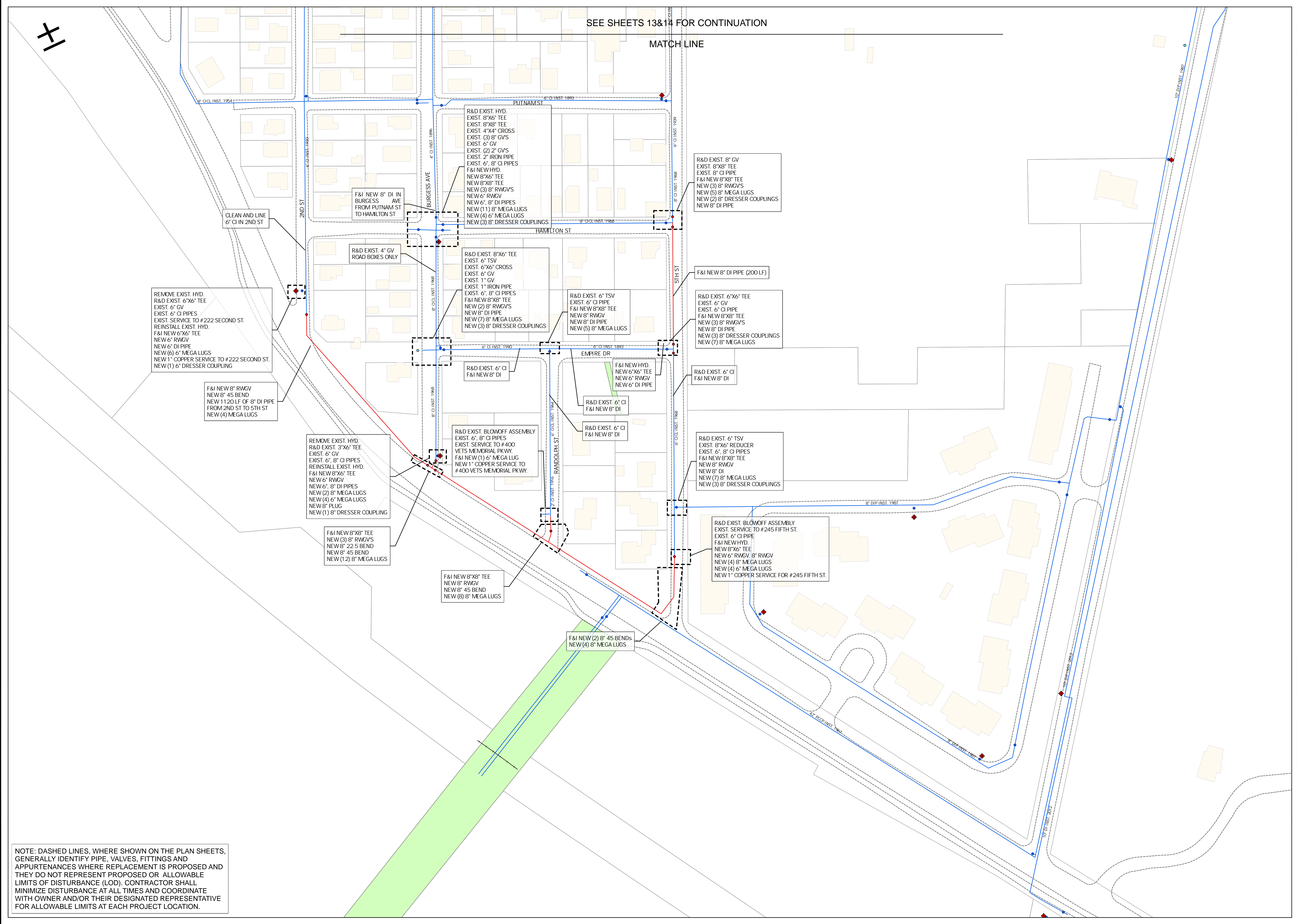
WATCHEMOKET COVE 8

C3.8

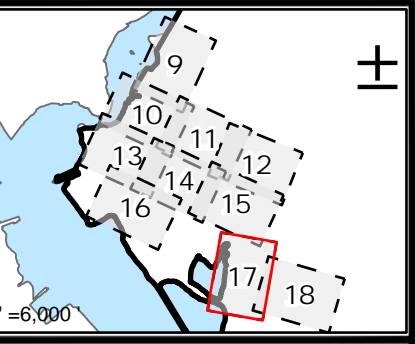
SHEET NO. 16 OF 31

SEE SHEETS 13&14 FOR CONTINUATION

MATCH LINE



NOTE: DASHED LINES, WHERE SHOWN ON THE PLAN SHEETS, GENERALLY IDENTIFY PIPE, VALVES, FITTINGS AND APPURTENANCES WHERE REPLACEMENT IS PROPOSED AND THEY DO NOT REPRESENT PROPOSED OR ALLOWABLE LIMITS OF DISTURBANCE (LOD). CONTRACTOR SHALL MINIMIZE DISTURBANCE AT ALL TIMES AND COORDINATE WITH OWNER AND/OR THEIR DESIGNATED REPRESENTATIVE FOR ALLOWABLE LIMITS AT EACH PROJECT LOCATION.



1 INCH=80 FEET

SCALE ADJUSTMENT GUIDE
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

CITY OF EAST PROVIDENCE
WATER DEPARTMENT SYSTEM IMPROVEMENTS
CLEANING AND LINING PHASE V

Legend

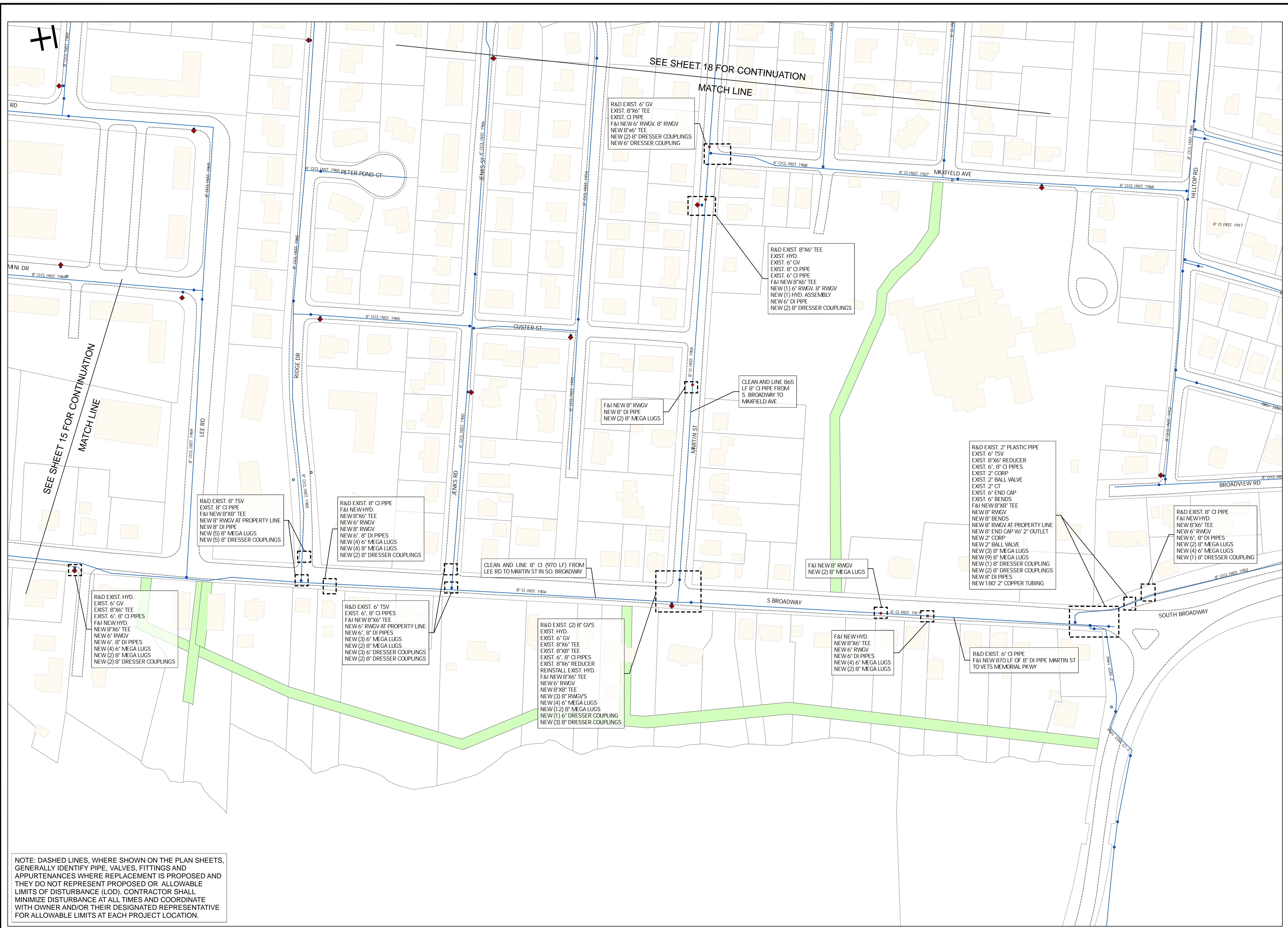
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- New Valve
- Water Valve
- Water Service Valve
- Water Pipe
- New Water Pipe
- Water Hydrant
- Road Edges
- Railroad Lines
- Easements
- Dirt Roads
- Buildings

PROJECT NO.: 12200.15
 DATE: APRIL 2024
 SCALE: AS NOTED
 DESIGNED BY: JA
 CHECKED BY: BMB
 DRAWN BY: SP
 APPROVED BY: TPT
 DRAWING TITLE:

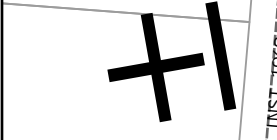
WATCHEMOKET COVE 9

C3.9

SHEET NO. 17 OF 31



NOTE: DASHED LINES, WHERE SHOWN ON THE PLAN SHEETS, GENERALLY IDENTIFY PIPE, VALVES, FITTINGS AND APPURTENANCES WHERE REPLACEMENT IS PROPOSED AND THEY DO NOT REPRESENT PROPOSED OR ALLOWABLE LIMITS OF DISTURBANCE (LOD). CONTRACTOR SHALL MINIMIZE DISTURBANCE AT ALL TIMES AND COORDINATE WITH OWNER AND/OR THEIR DESIGNATED REPRESENTATIVE FOR ALLOWABLE LIMITS AT EACH PROJECT LOCATION.

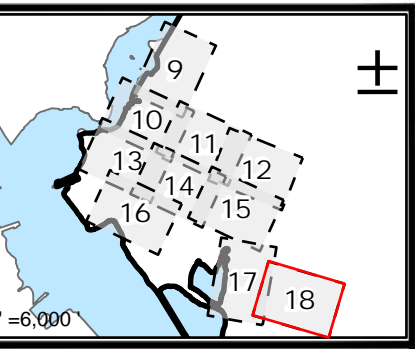


SEE SHEET 18 FOR CONTINUATION

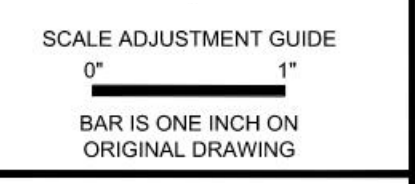
MATCH LINE

SEE SHEET 15 FOR CONTINUATION

MATCH LINE



1 INCH=80 FEET



CITY OF EAST PROVIDENCE
WATER DEPARTMENT SYSTEM IMPROVEMENTS
CLEANING AND LINING PHASE V

Legend

	Parcel Boundaries
	New Valve
	Water Valve
	Water Service Valve
	Water Pipe
	New Water Pipe
	Water Hydrant
	Road Edges
	Railroad Lines
	Easements
	Dirt Roads
	Buildings

PROJECT NO.: 12200.15
 DATE: APRIL 2024
 SCALE: AS NOTED
 DESIGNED BY: JA
 CHECKED BY: BMB
 DRAWN BY: SP
 APPROVED BY: TPT

DRAWING TITLE:
**WATCHMOKET
 COVE 10/
 MARTIN STREET**

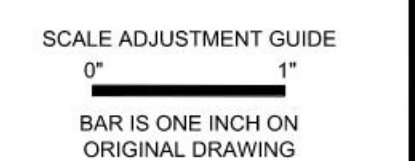
C3.10

SHEET NO. 18 OF 31





1 INCH=400 FEET



CITY OF EAST PROVIDENCE
WATER DEPARTMENT SYSTEM IMPROVEMENTS
CLEANING AND LINING PHASE V

Legend

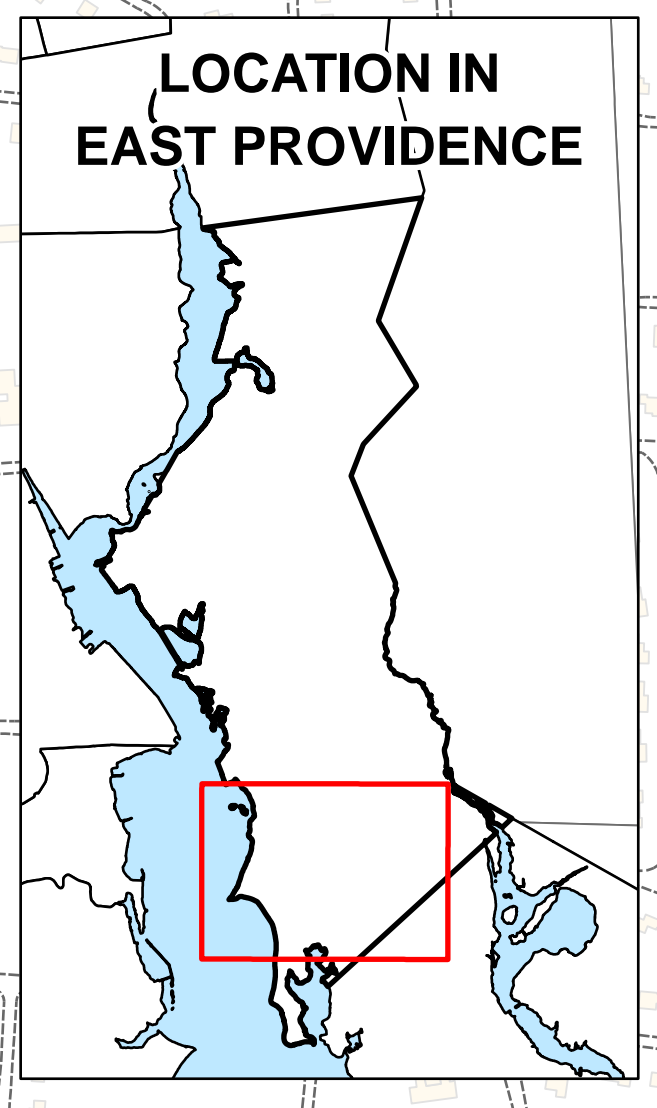
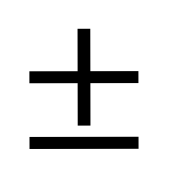
- Parcel Boundaries
- Road Edges
- Railroad Lines
- Easements
- Dirt Roads
- Buildings

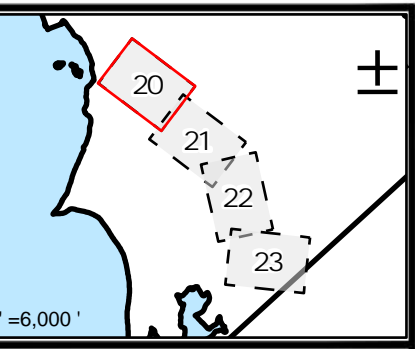
ACRONYMS:
 TSV: TAPPING SLEEVE AND VALVE
 RWVG: RESILIENT WEDGE GATE VALVE
 R&D: REMOVE AND DISPOSE
 R&R: REMOVE AND RESET
 SVC: SERVICE

PROJECT NO.: 12200.15
 DATE: APRIL 2024
 SCALE: AS NOTED
 DESIGNED BY: JA
 CHECKED BY: BMB
 DRAWN BY: SP
 APPROVED BY: TPT

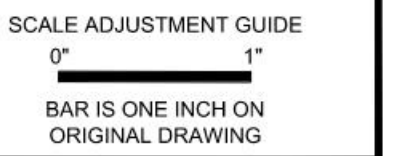
WILLET AVENUE
KEY PLAN

C4.0





1 INCH=80 FEET



CITY OF EAST PROVIDENCE
WATER DEPARTMENT SYSTEM IMPROVEMENTS
CLEANING AND LINING PHASE V

Legend

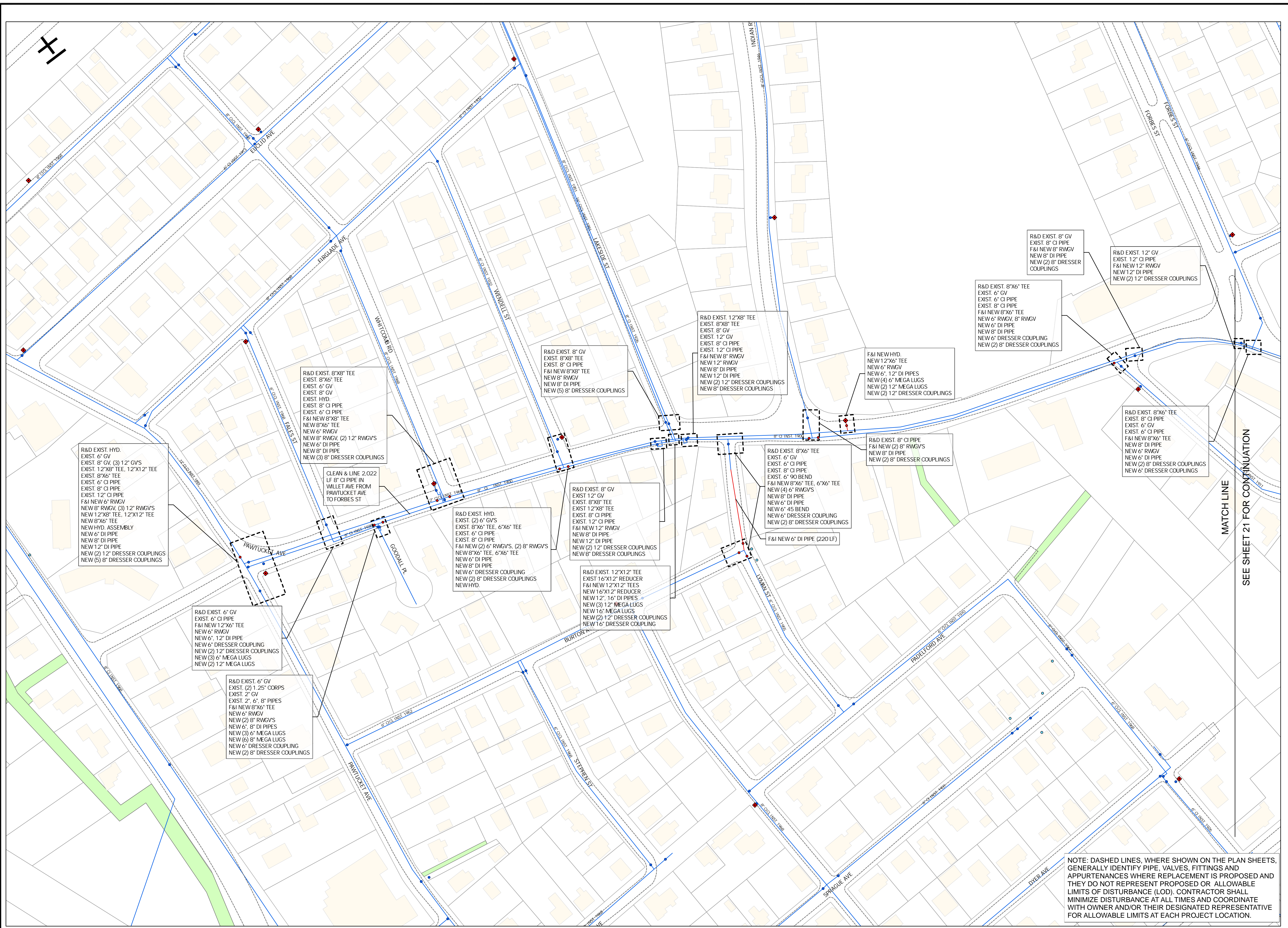
- Parcel Boundaries
- New Valve
- Water Valve
- Water Service Valve
- Water Pipe
- New Water Pipe
- Water Hydrant
- Road Edges
- Railroad Lines
- Easements
- Dirt Roads
- Buildings

PROJECT NO.: 12200.15
 DATE: APRIL 2024
 SCALE: AS NOTED
 DESIGNED BY: JA
 CHECKED BY: BMB
 DRAWN BY: SP
 APPROVED BY: TPT
 DRAWING TITLE:

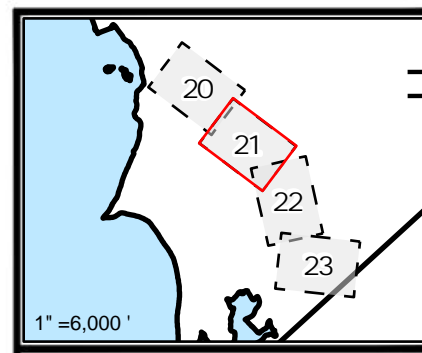
WILLETT AVENUE 1

C4.1

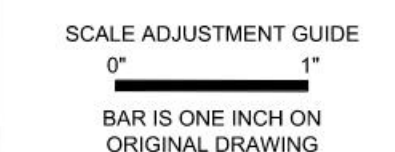
SHEET NO. 20 OF 31



NOTE: DASHED LINES, WHERE SHOWN ON THE PLAN SHEETS, GENERALLY IDENTIFY PIPE, VALVES, FITTINGS AND APPURTENANCES WHERE REPLACEMENT IS PROPOSED AND THEY DO NOT REPRESENT PROPOSED OR ALLOWABLE LIMITS OF DISTURBANCE (LOD). CONTRACTOR SHALL MINIMIZE DISTURBANCE AT ALL TIMES AND COORDINATE WITH OWNER AND/OR THEIR DESIGNATED REPRESENTATIVE FOR ALLOWABLE LIMITS AT EACH PROJECT LOCATION.



1 INCH=80 FEET



CITY OF EAST PROVIDENCE
WATER DEPARTMENT SYSTEM IMPROVEMENTS
CLEANING AND LINING PHASE V

Legend

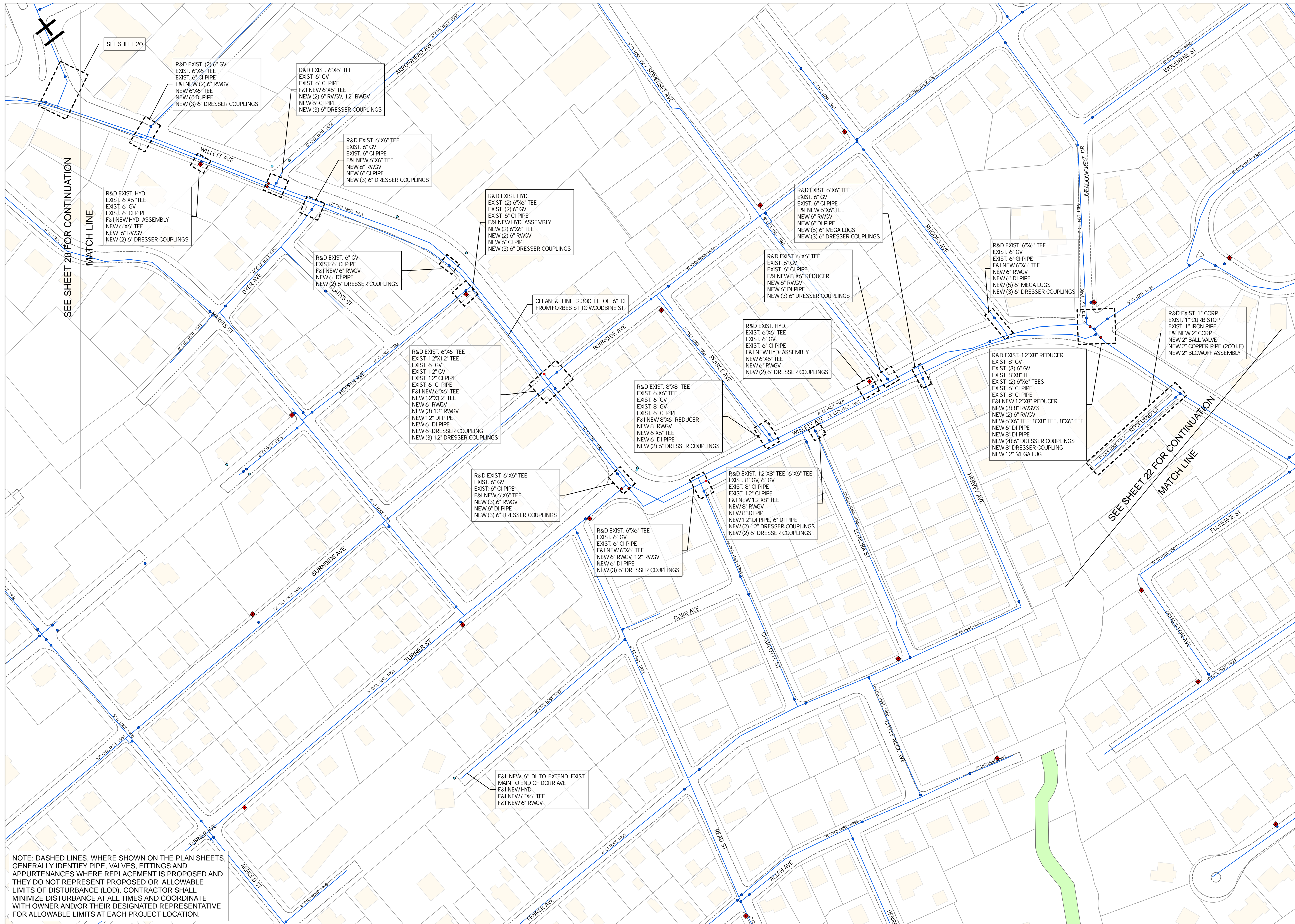
- Parcel Boundaries
- New Valve
- Water Valve
- Water Service Valve
- Water Pipe
- New Water Pipe
- Water Hydrant
- Road Edges
- Railroad Lines
- Easements
- Dirt Roads
- Buildings

PROJECT NO.: 12200.15
DATE: APRIL 2024
SCALE: AS NOTED
DESIGNED BY: JA
CHECKED BY: BMB
DRAWN BY: SP
APPROVED BY: TPT
DRAWING TITLE:

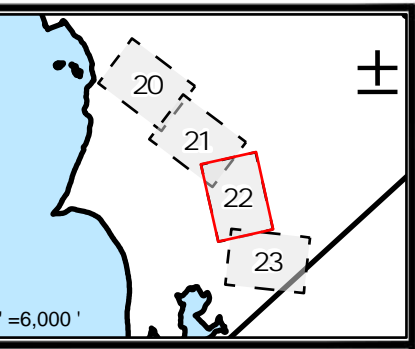
WILLETT
AVENUE 2

C4.2

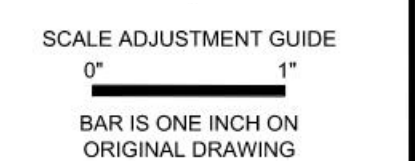
SHEET NO. 21 OF 31



NOTE: DASHED LINES, WHERE SHOWN ON THE PLAN SHEETS, GENERALLY IDENTIFY PIPE, VALVES, FITTINGS AND APPURTENANCES WHERE REPLACEMENT IS PROPOSED AND THEY DO NOT REPRESENT PROPOSED OR ALLOWABLE LIMITS OF DISTURBANCE (LOD). CONTRACTOR SHALL MINIMIZE DISTURBANCE AT ALL TIMES AND COORDINATE WITH OWNER AND/OR THEIR DESIGNATED REPRESENTATIVE FOR ALLOWABLE LIMITS AT EACH PROJECT LOCATION.



1 INCH=80 FEET



CITY OF EAST PROVIDENCE
WATER DEPARTMENT SYSTEM IMPROVEMENTS
CLEANING AND LINING PHASE V

Legend

- Parcel Boundaries
- New Valve
- Water Valve
- Water Service Valve
- Water Pipe
- New Water Pipe
- Water Hydrant
- Road Edges
- Railroad Lines
- Easements
- Dirt Roads
- Buildings

PROJECT NO.: 12200.15
 DATE: APRIL 2024
 SCALE: AS NOTED
 DESIGNED BY: JA
 CHECKED BY: BMB
 DRAWN BY: SP
 APPROVED BY: TPT
 DRAWING TITLE:

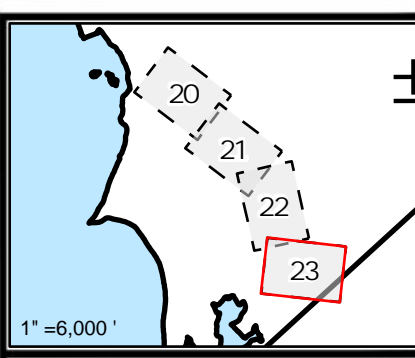
WILLET AVENUE 3

C4.3

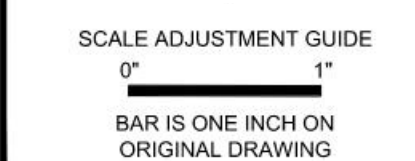
SHEET NO. 22 OF 31



NOTE: DASHED LINES, WHERE SHOWN ON THE PLAN SHEETS, GENERALLY IDENTIFY PIPE, VALVES, FITTINGS AND APPURTENANCES WHERE REPLACEMENT IS PROPOSED AND THEY DO NOT REPRESENT PROPOSED OR ALLOWABLE LIMITS OF DISTURBANCE (LOD). CONTRACTOR SHALL MINIMIZE DISTURBANCE AT ALL TIMES AND COORDINATE WITH OWNER AND/OR THEIR DESIGNATED REPRESENTATIVE FOR ALLOWABLE LIMITS AT EACH PROJECT LOCATION.



1 INCH=80 FEET



CITY OF EAST PROVIDENCE
WATER DEPARTMENT SYSTEM IMPROVEMENTS
CLEANING AND LINING PHASE V

Legend

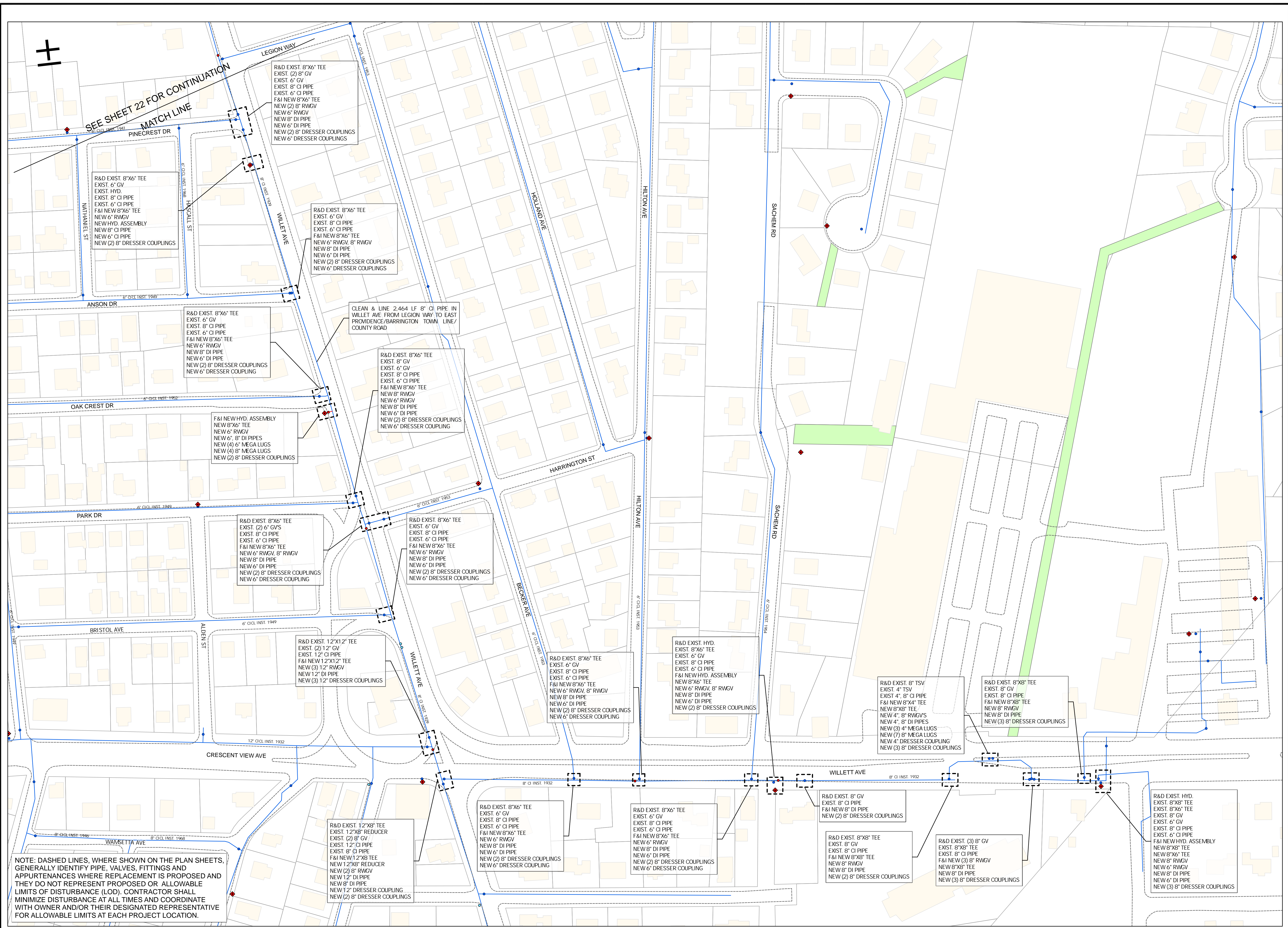
Parcel Boundaries
New Valve
Water Valve
Water Service Valve
Water Pipe
New Water Pipe
Water Hydrant
Road Edges
Railroad Lines
Easements
Dirt Roads
Buildings

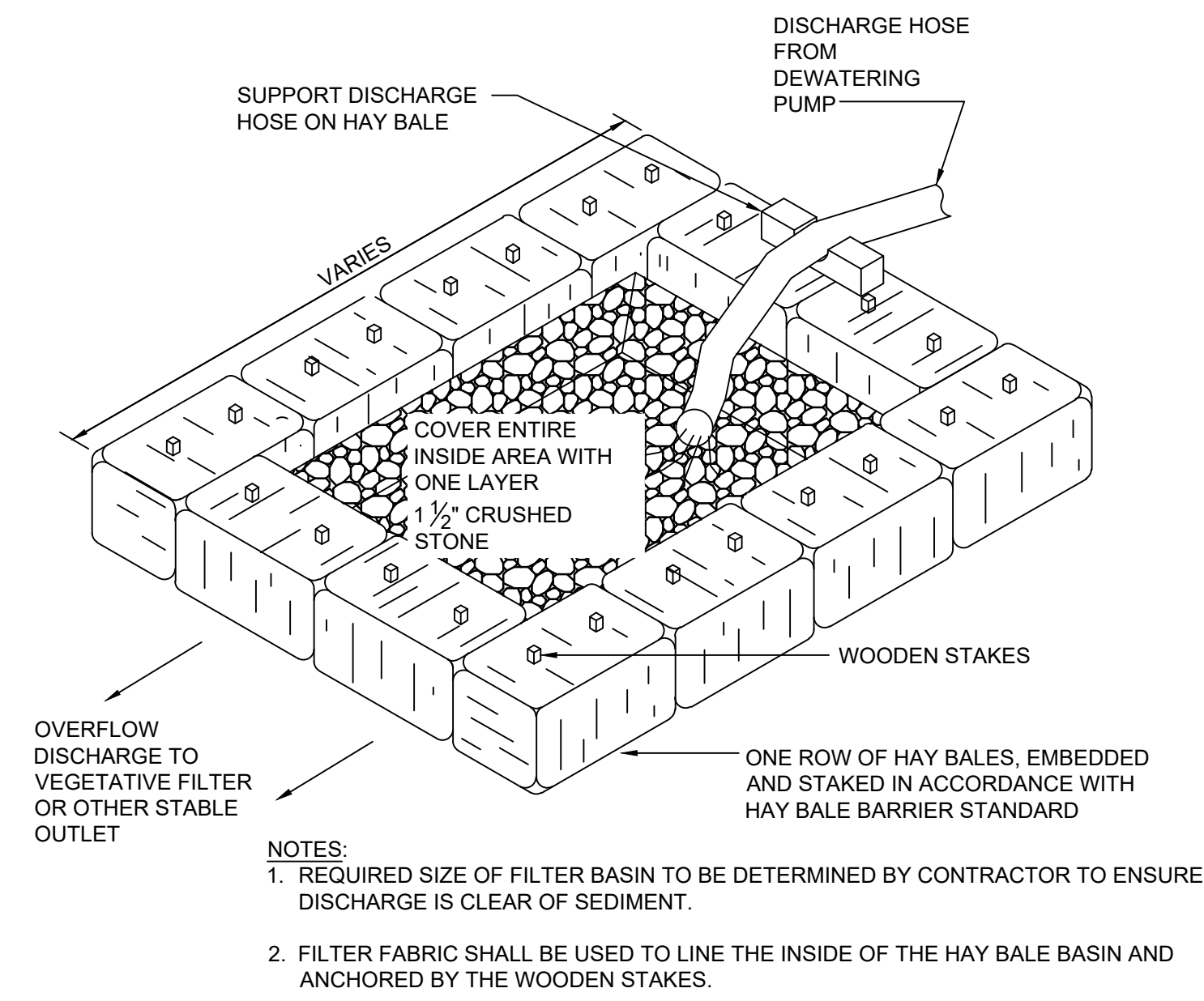
PROJECT NO.: 12200.15
 DATE: JANUARY 2024
 SCALE: AS NOTED
 DESIGNED BY: JA
 CHECKED BY: BMB
 DRAWN BY: SP
 APPROVED BY: TPT
 DRAWING TITLE:

WILLETT AVENUE 4

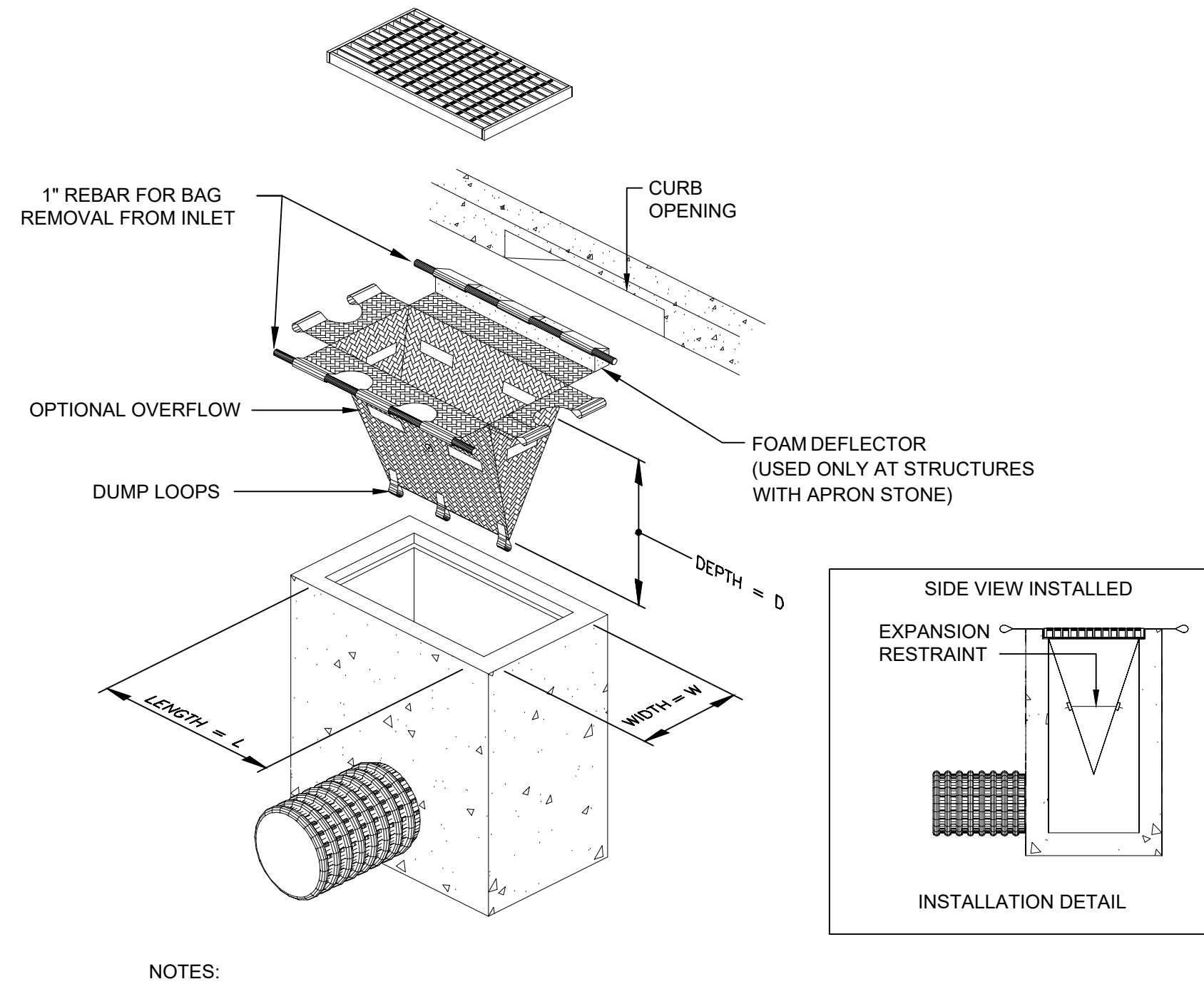
C4.4

SHEET NO. 23 OF 31

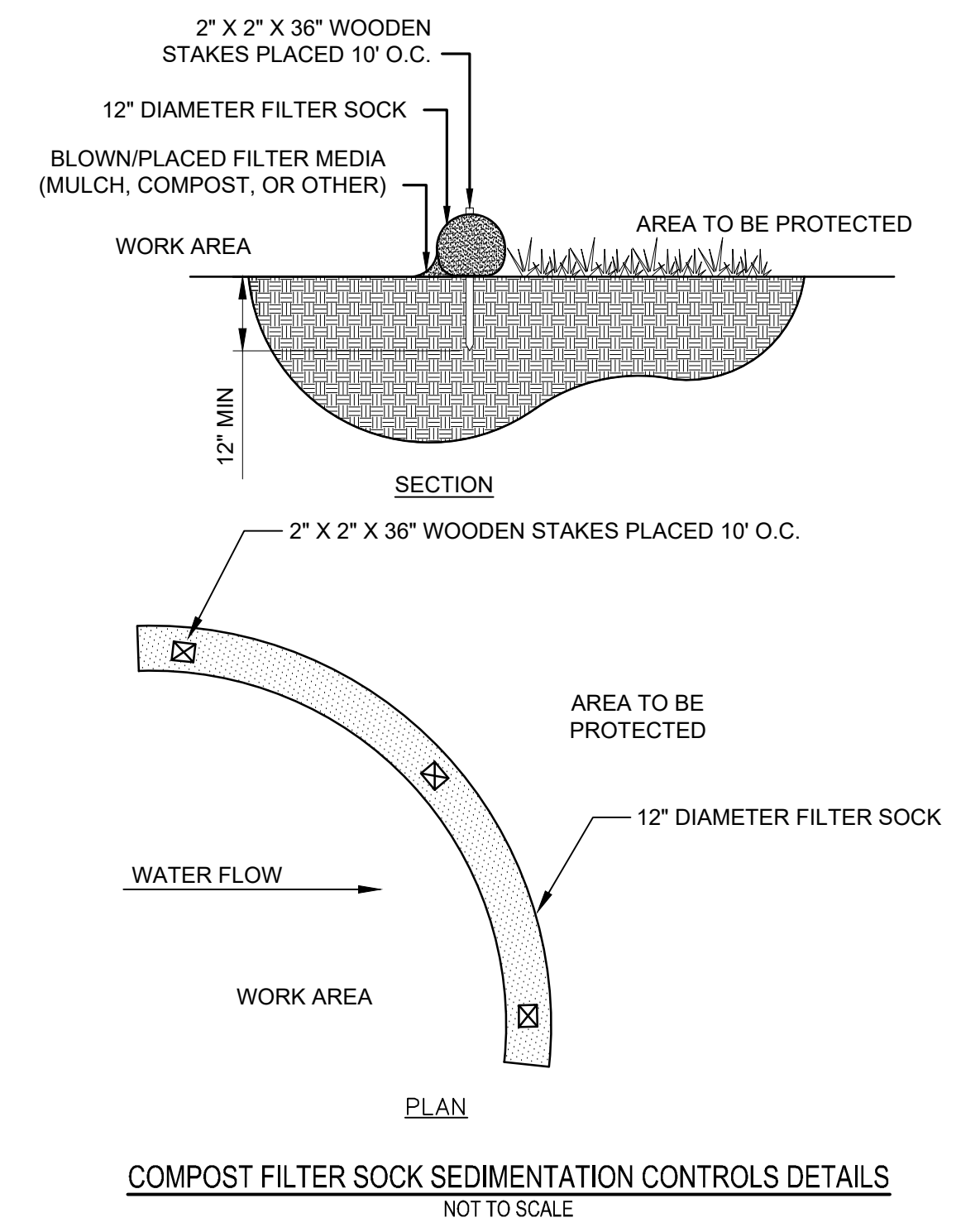




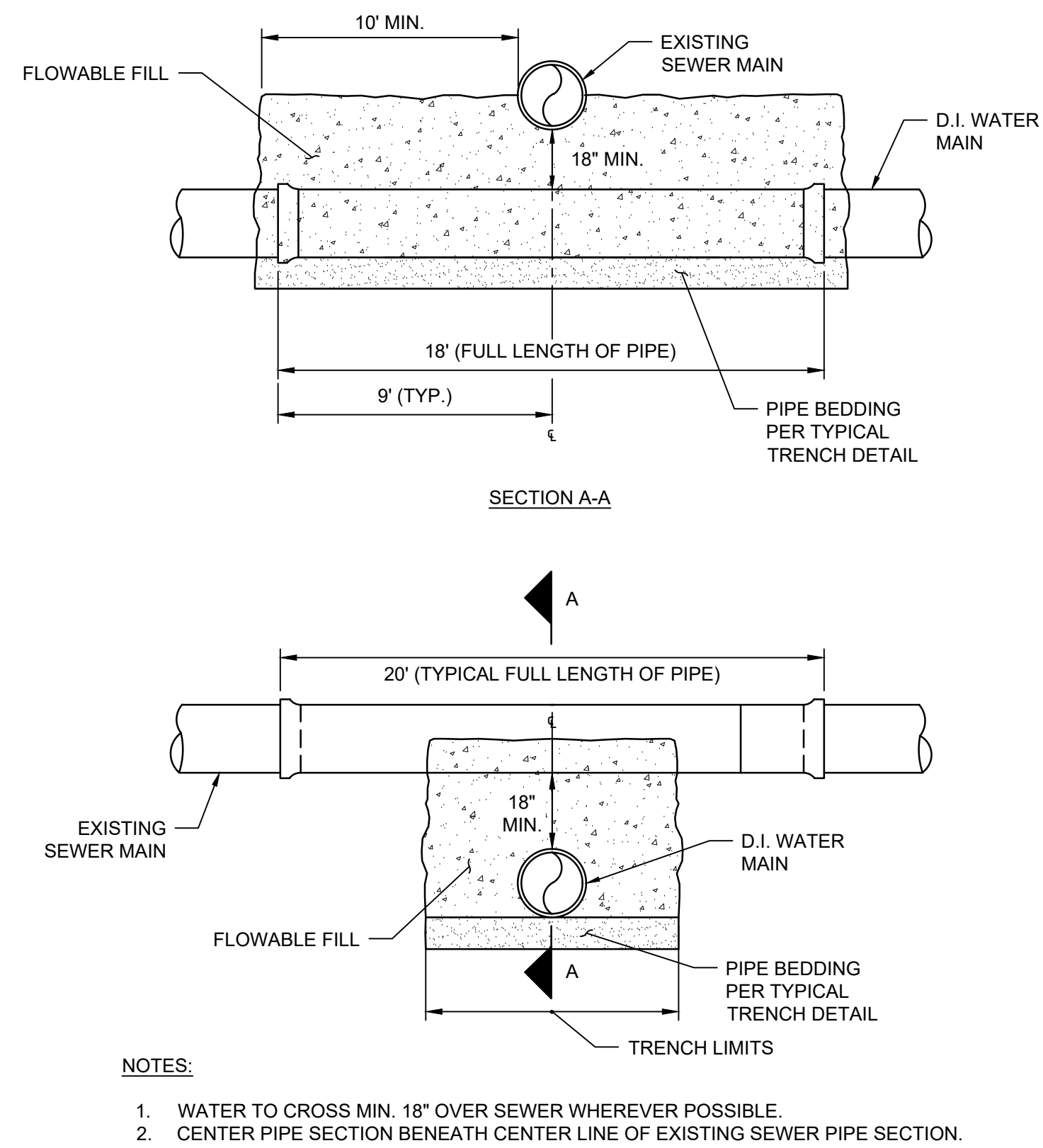
TYPE I PUMPING SETTLING BASIN
NOT TO SCALE



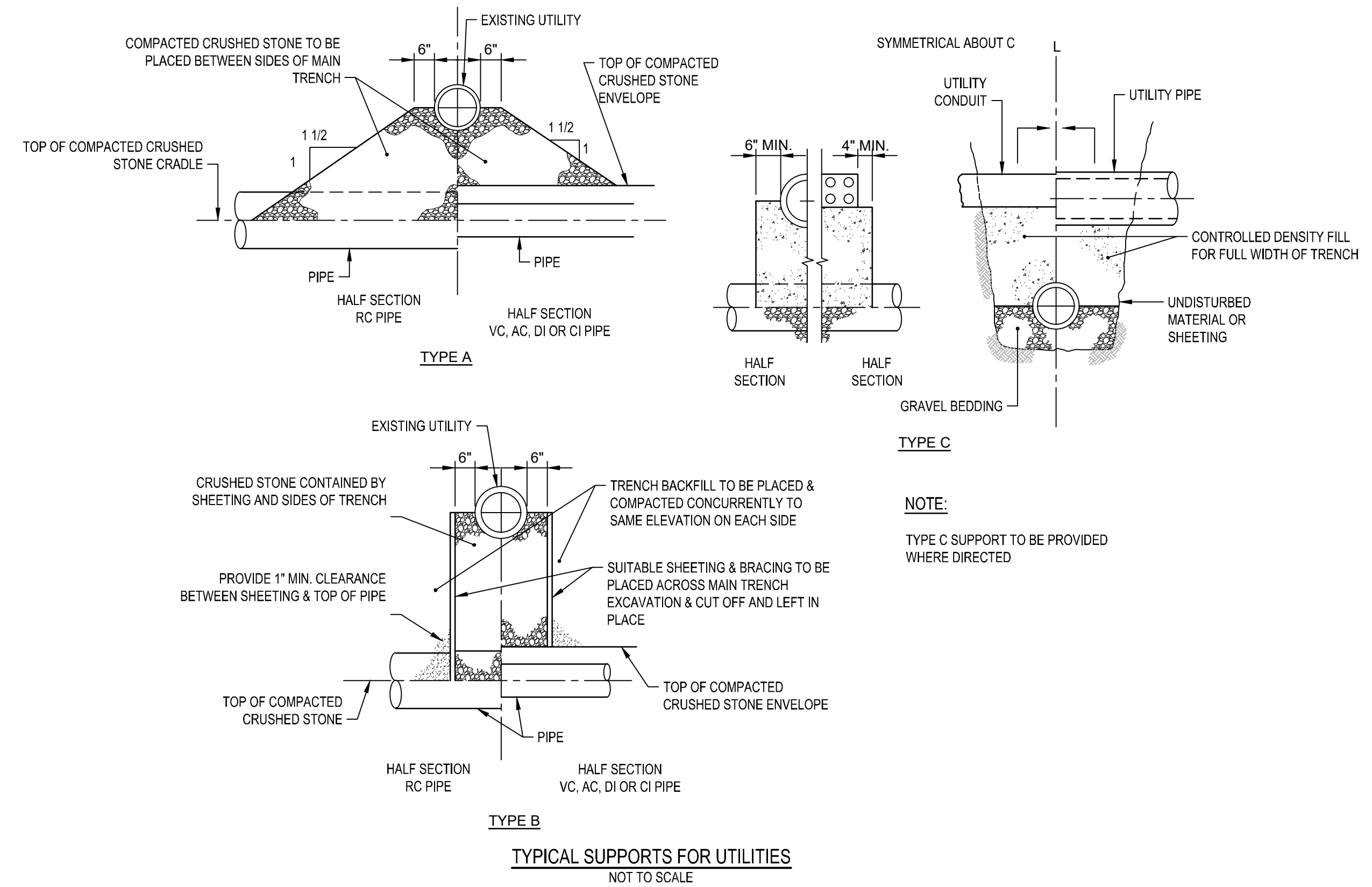
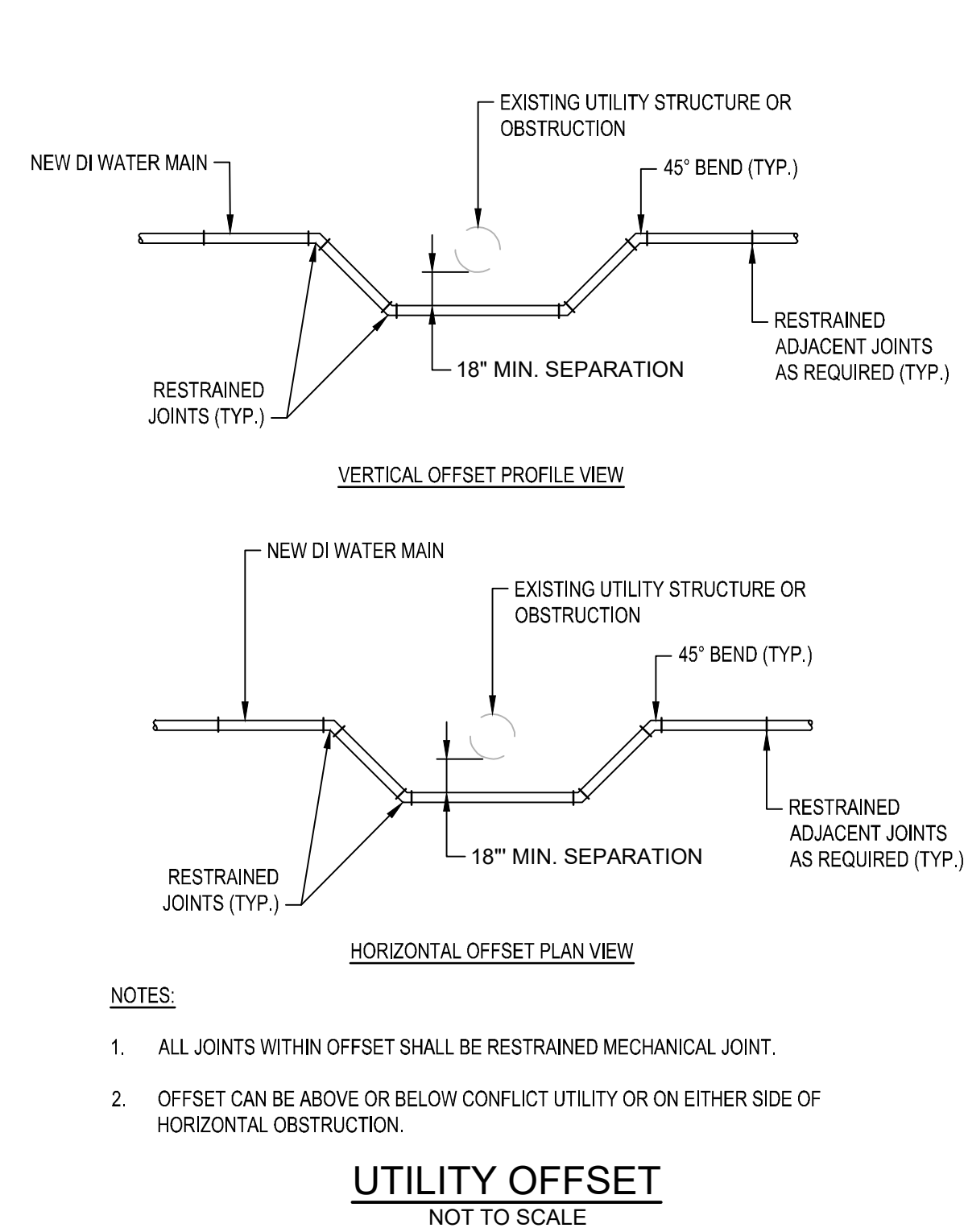
INLET SEDIMENT CONTROL DEVICE
NOT TO SCALE



SCALE ADJUSTMENT GUIDE
0' 1' BAR IS ONE INCH ON ORIGINAL DRAWING



WATER CROSSING BELOW SEWER DETAIL
NOT TO SCALE



REVISIONS:

PROJECT NO.: 12200.15
DATE: APRIL 2024
SCALE: AS NOTED
DESIGNED BY: JA
CHECKED BY: BMB
DRAWN BY: SP
APPROVED BY: TPT
DRAWING TITLE:

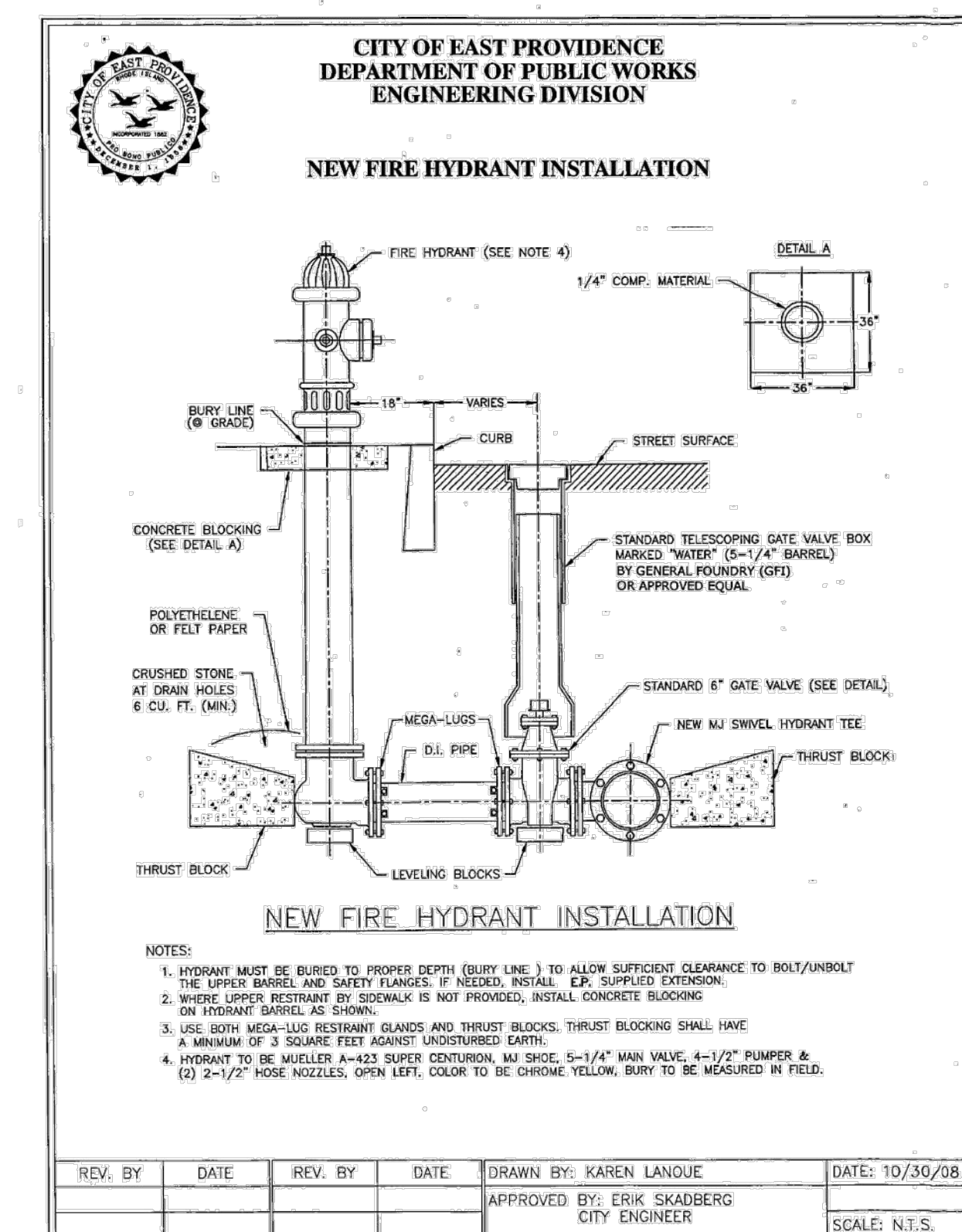
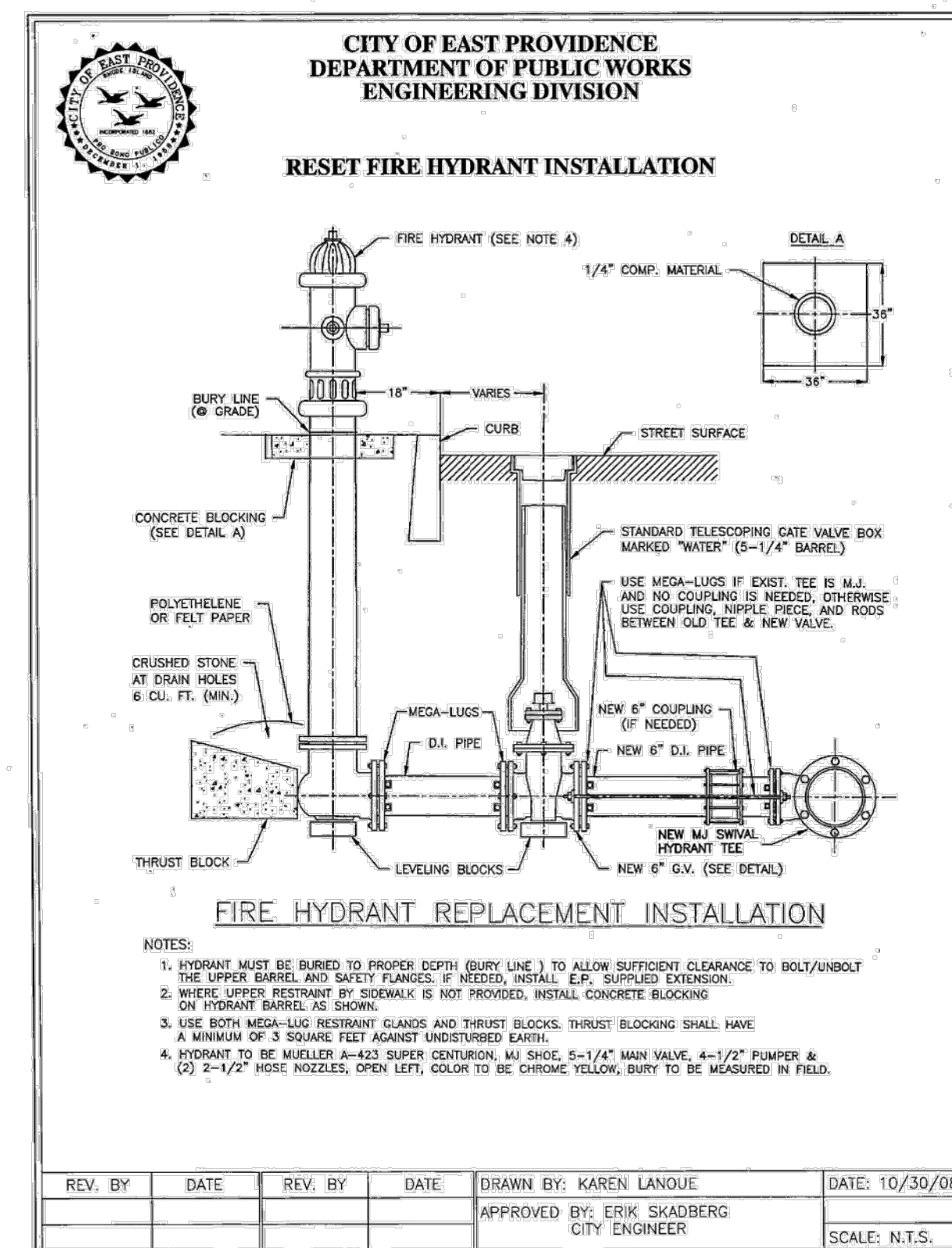
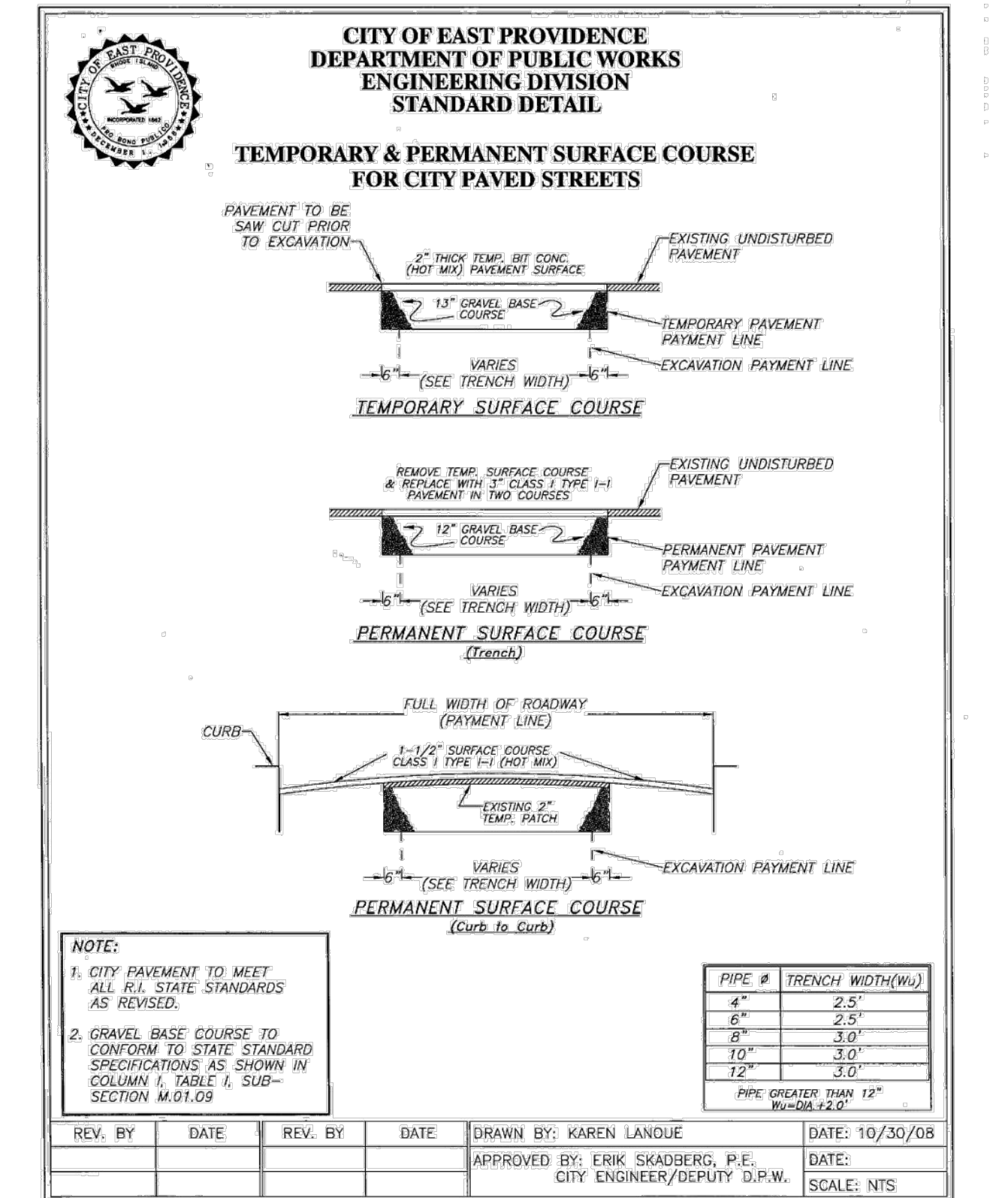
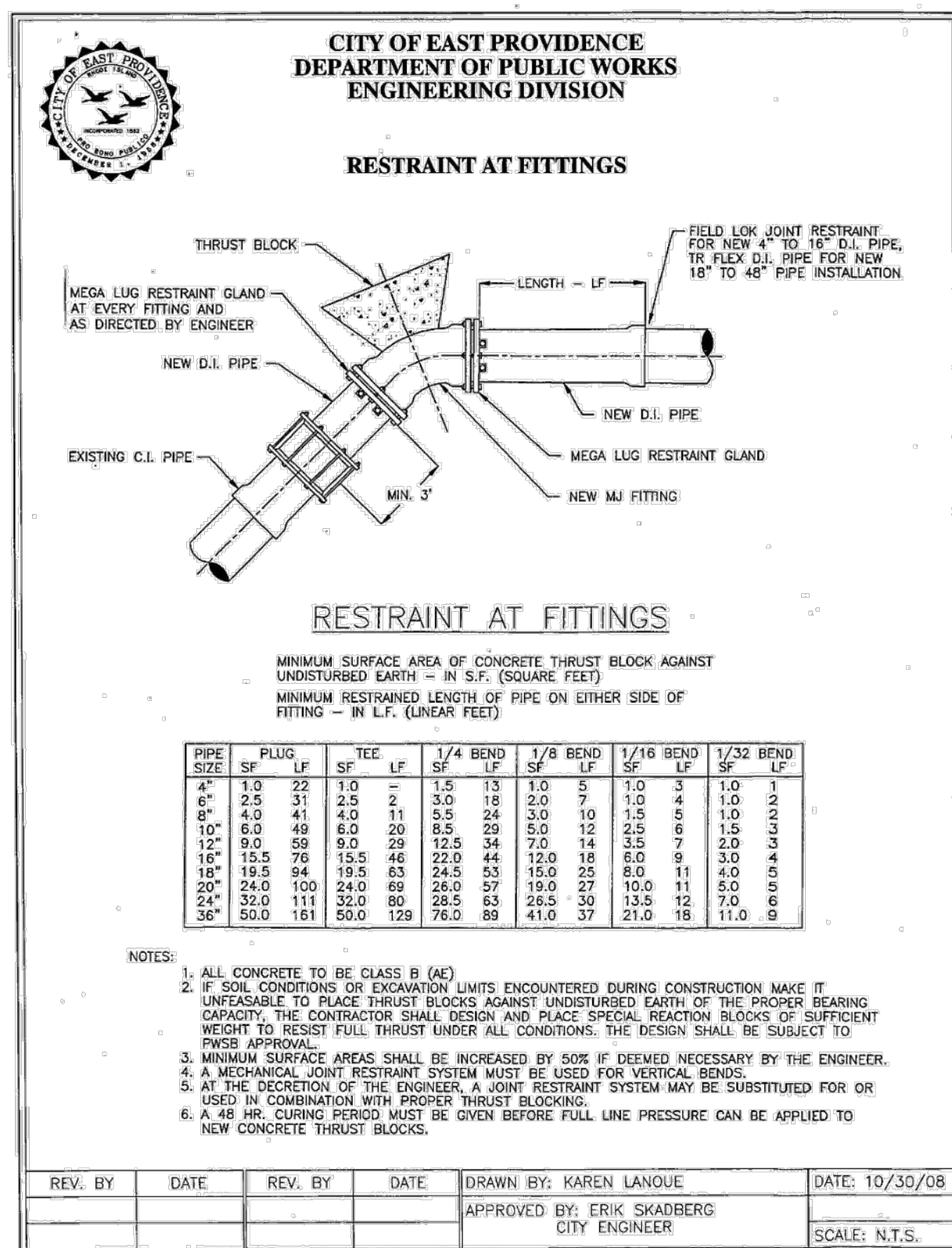
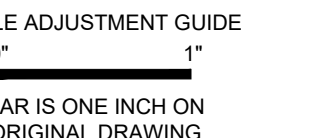
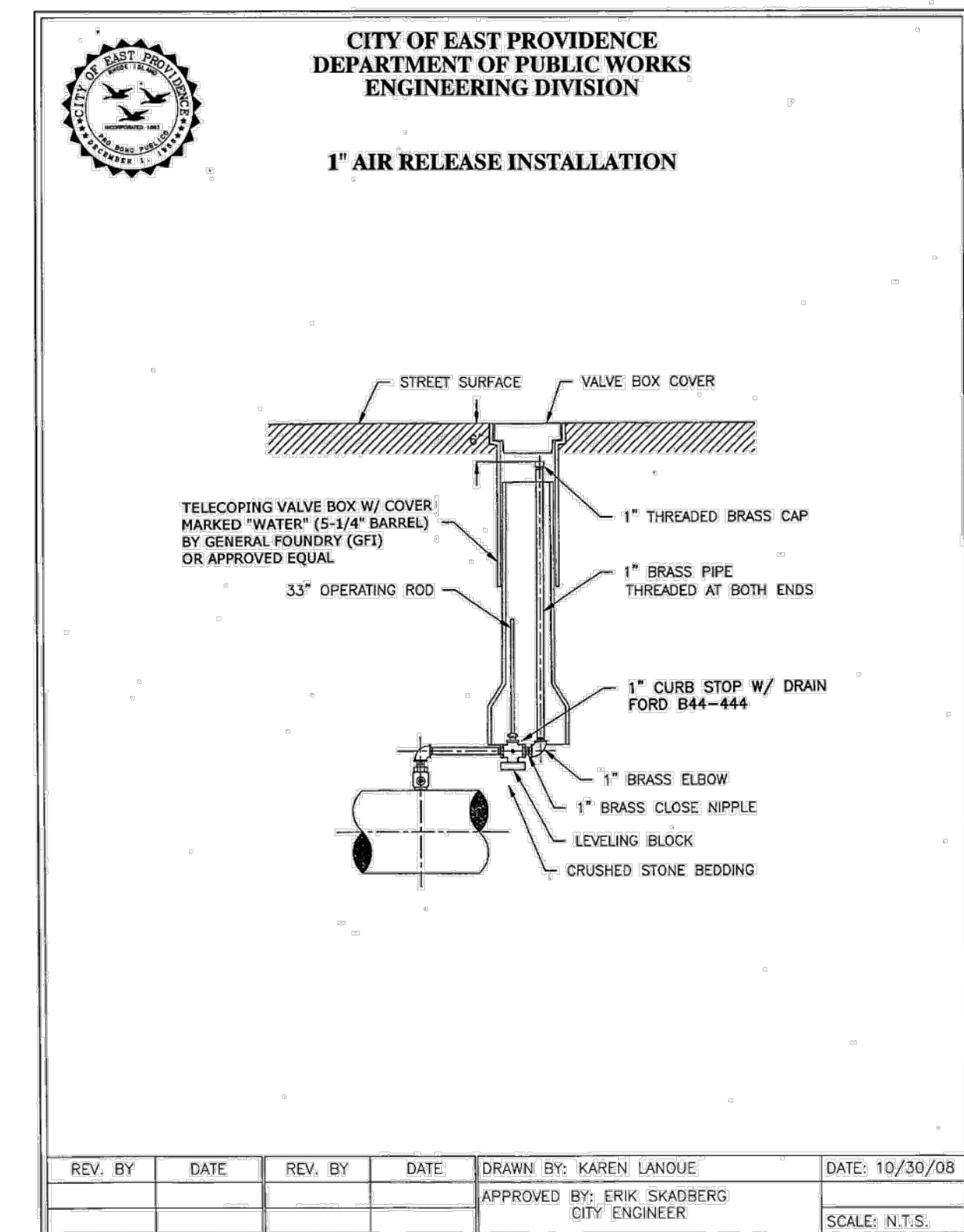
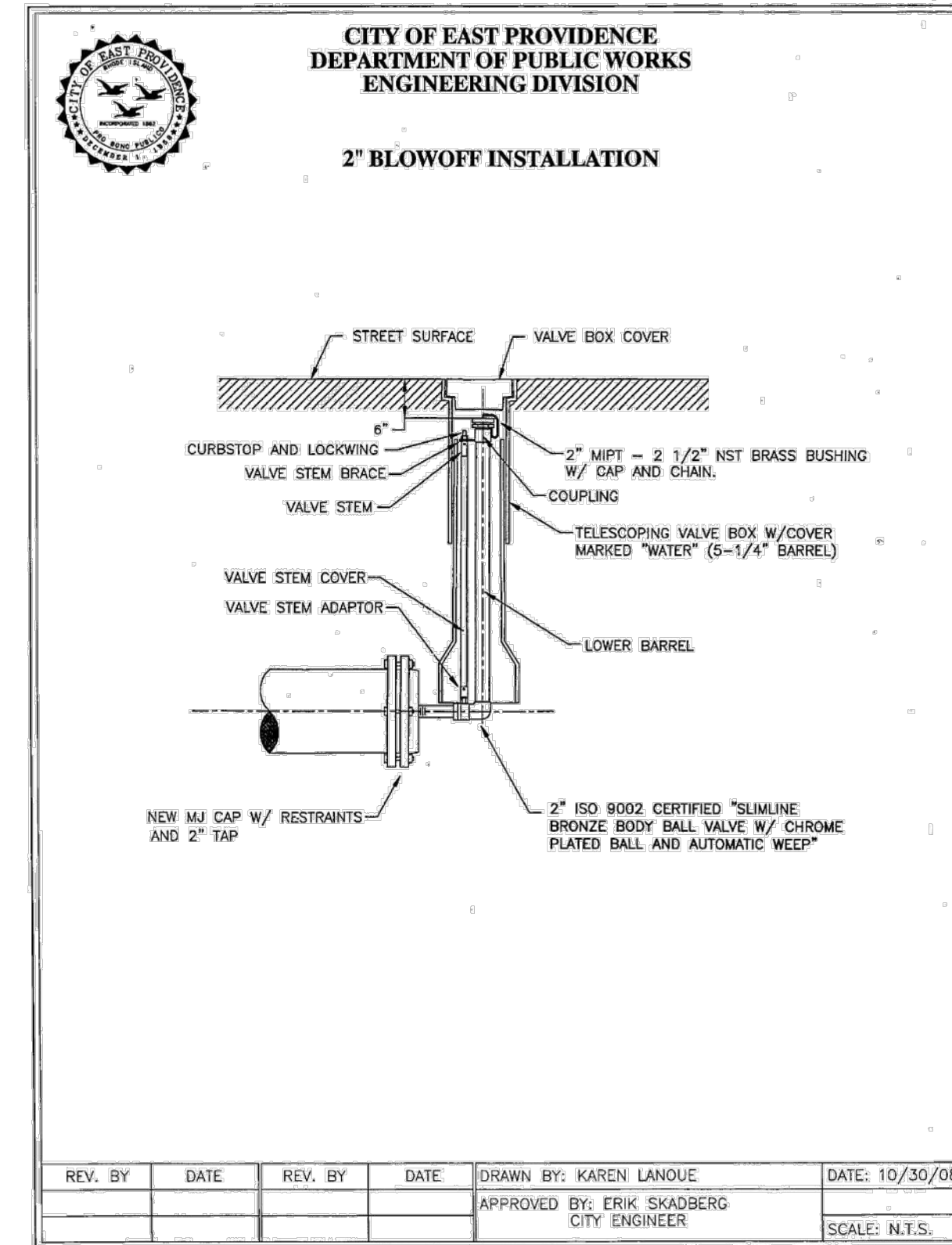
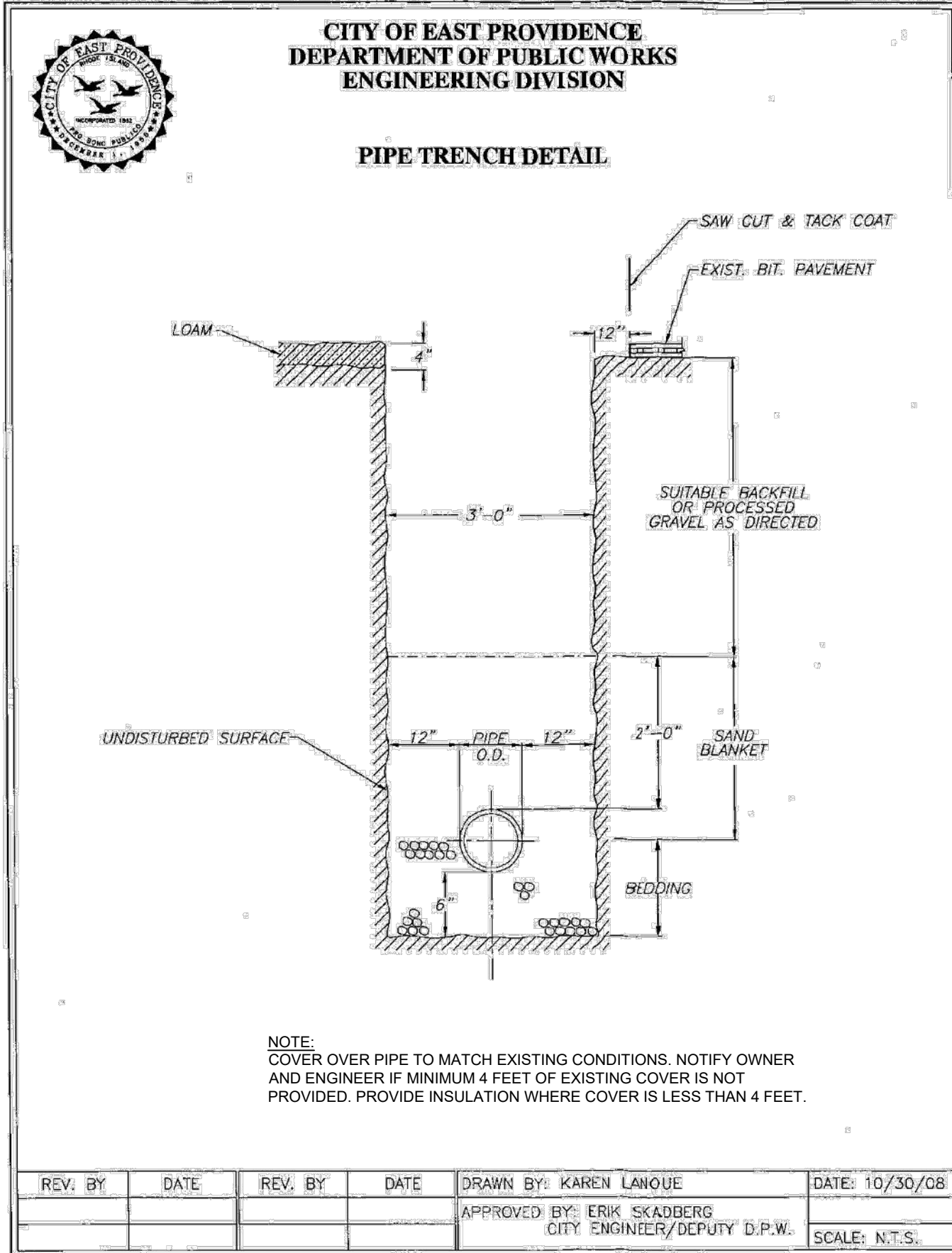
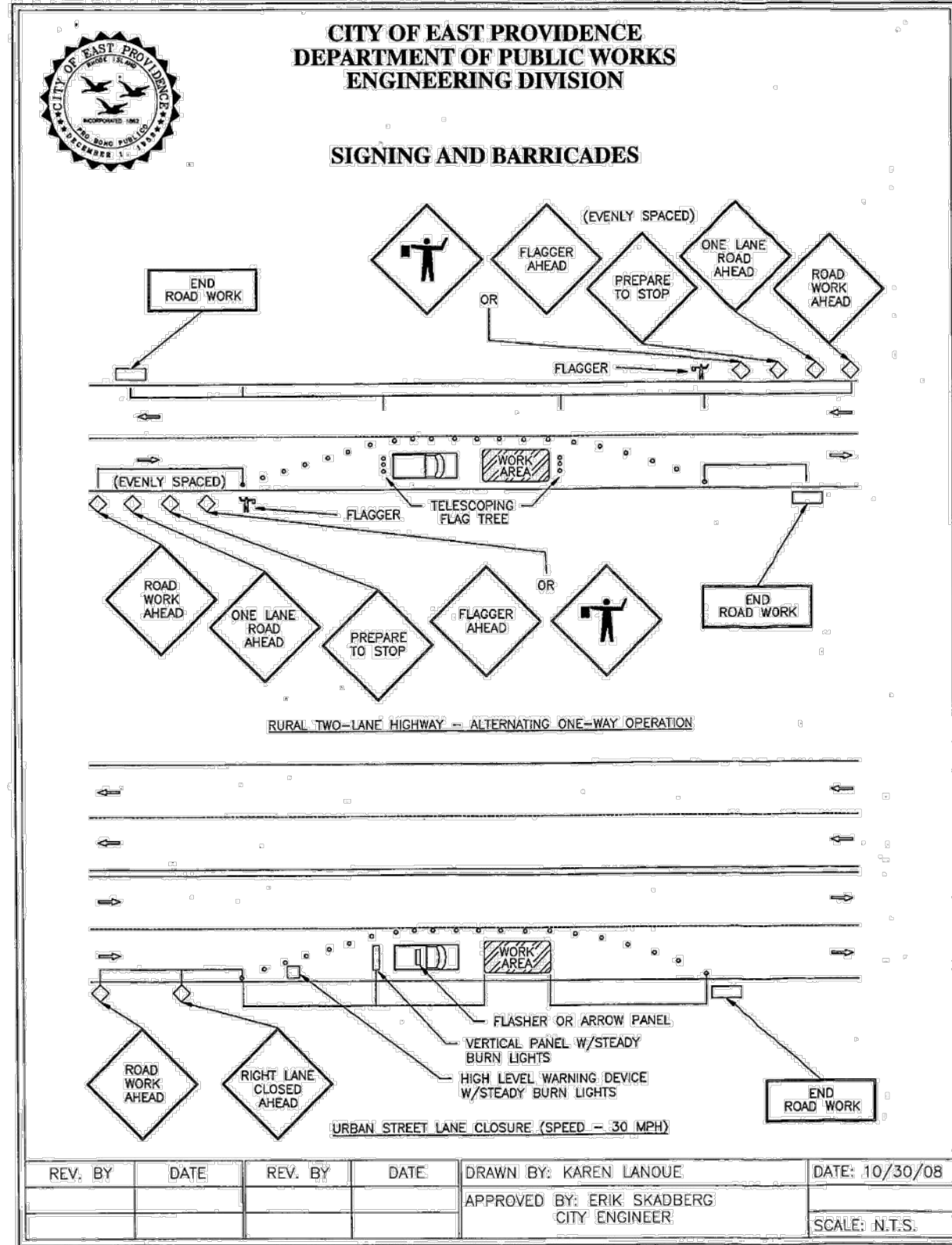
DETAILS 1

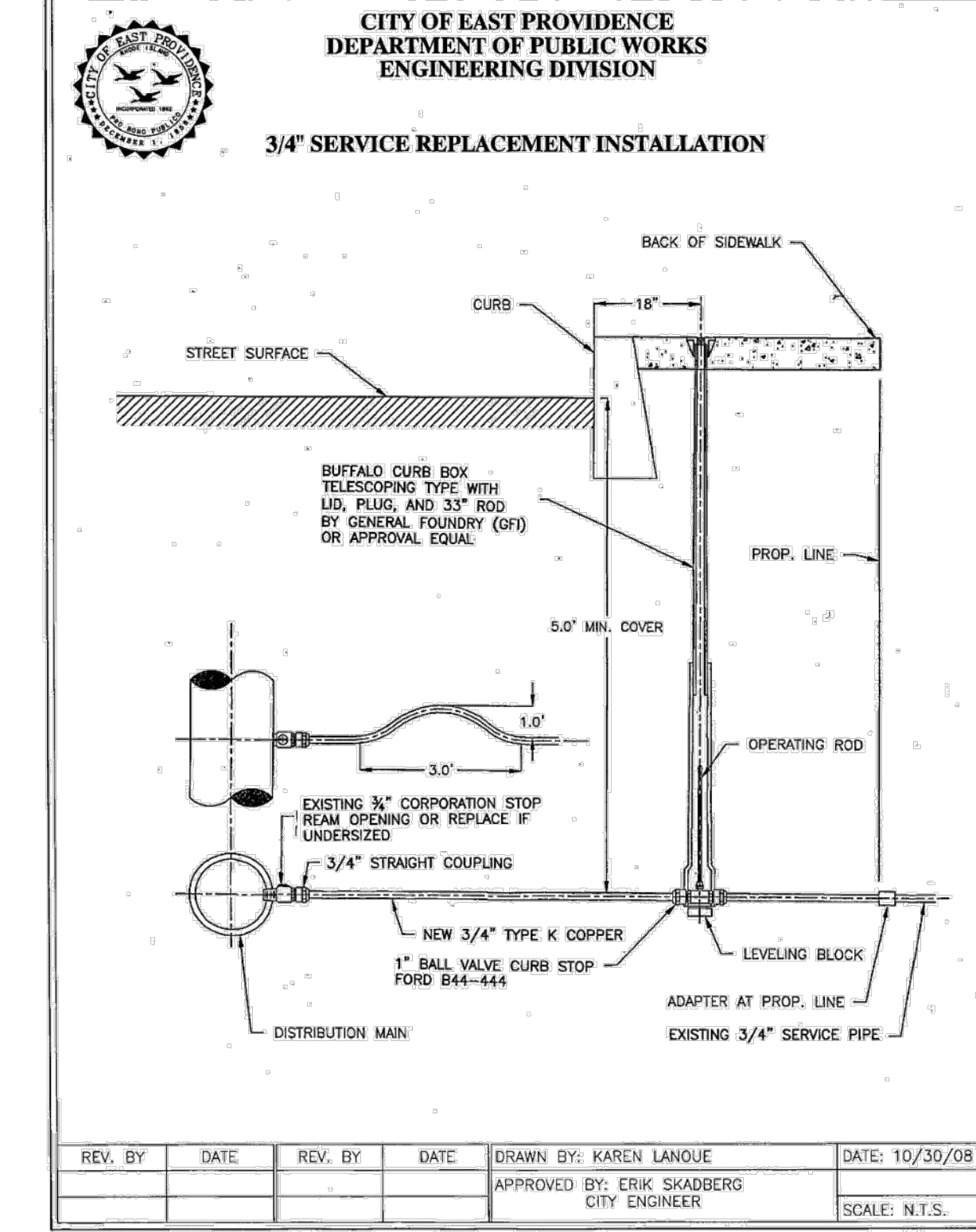
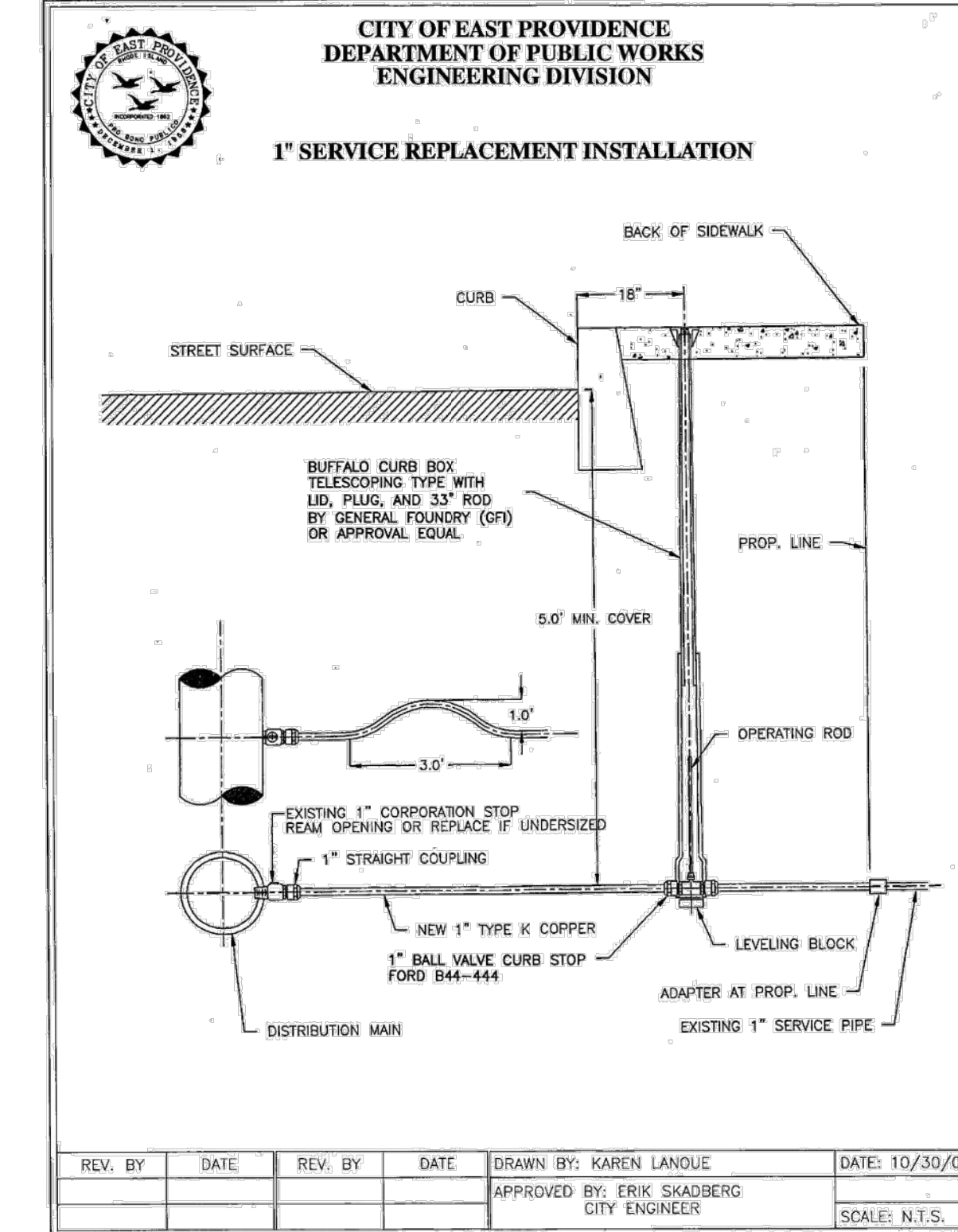
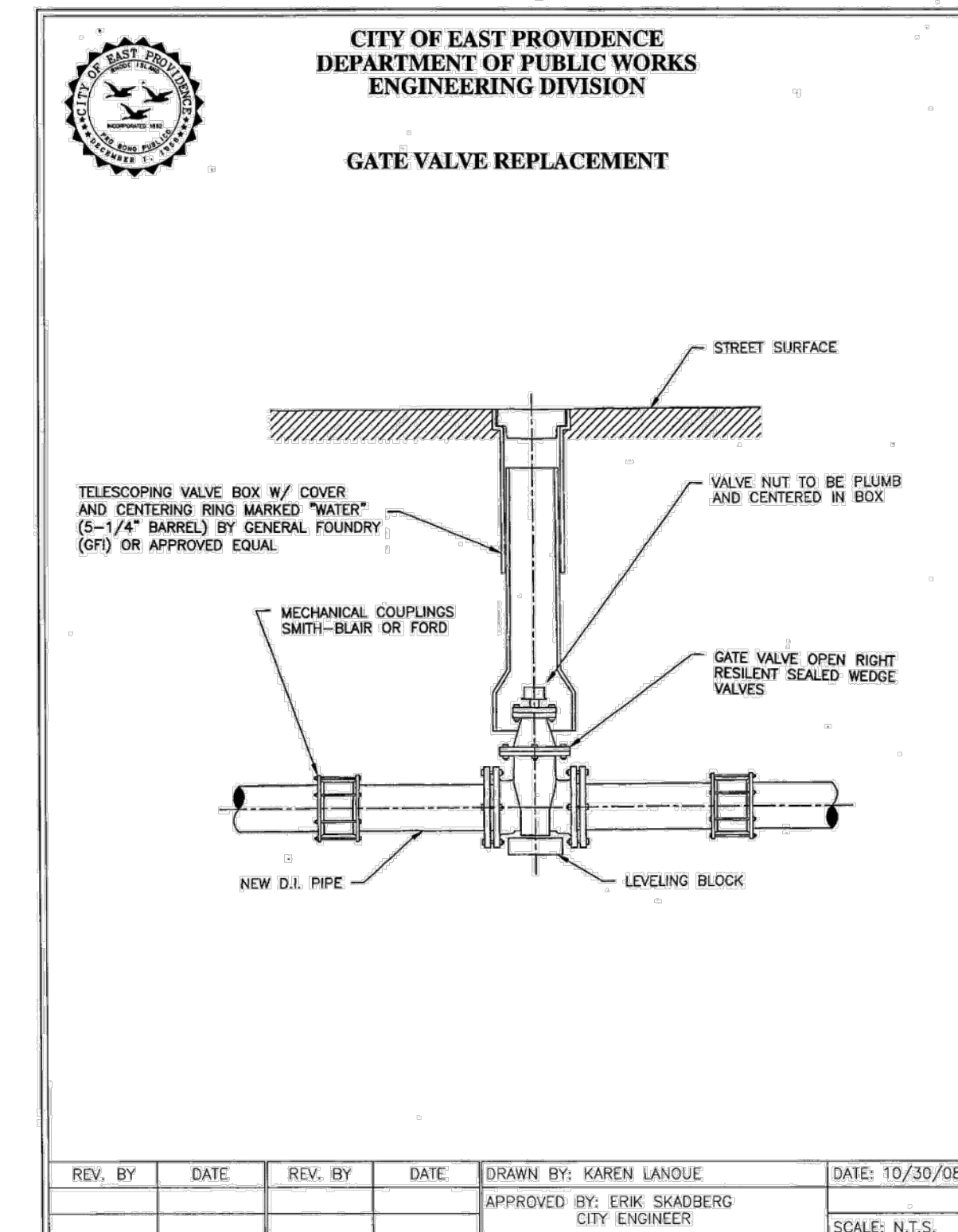
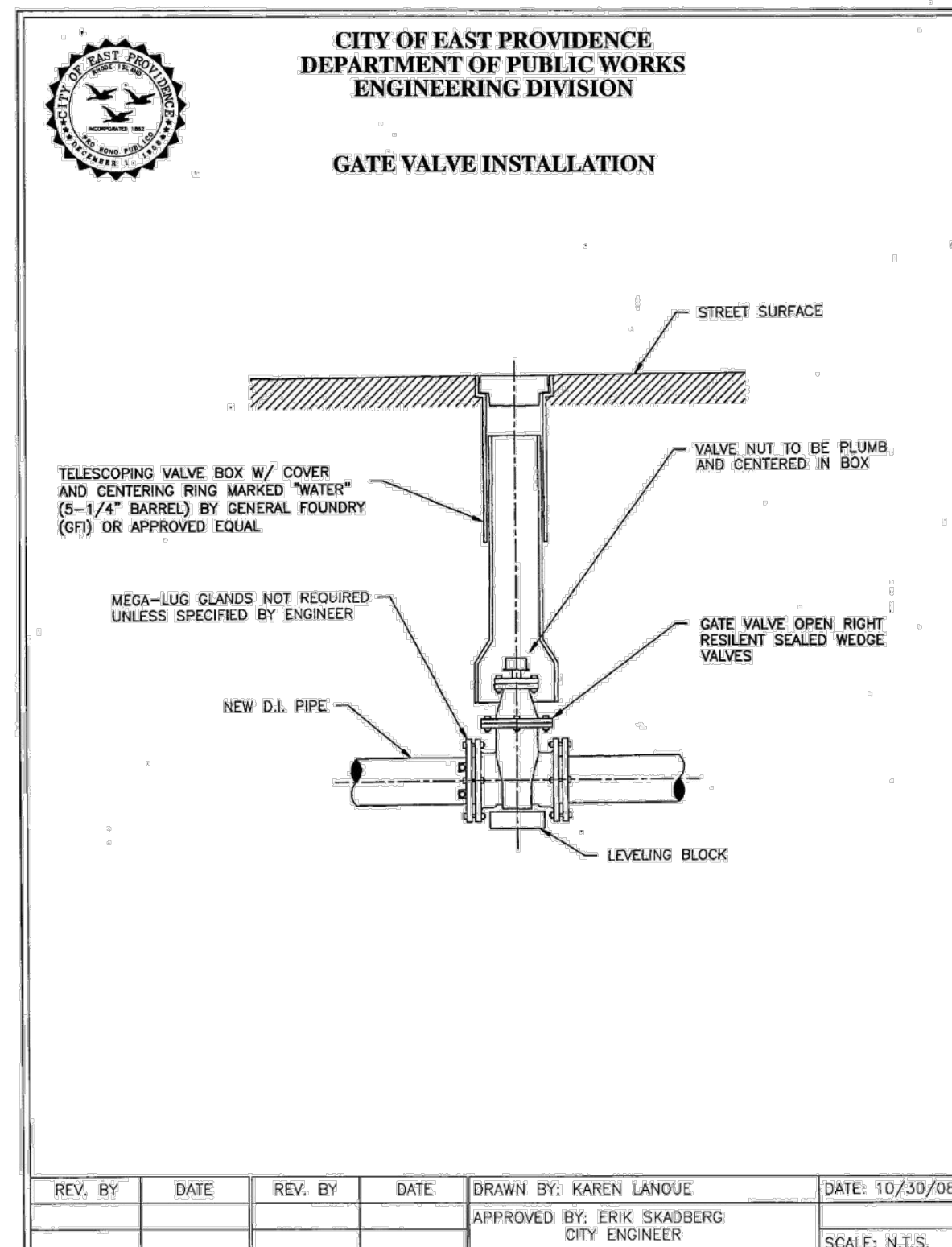
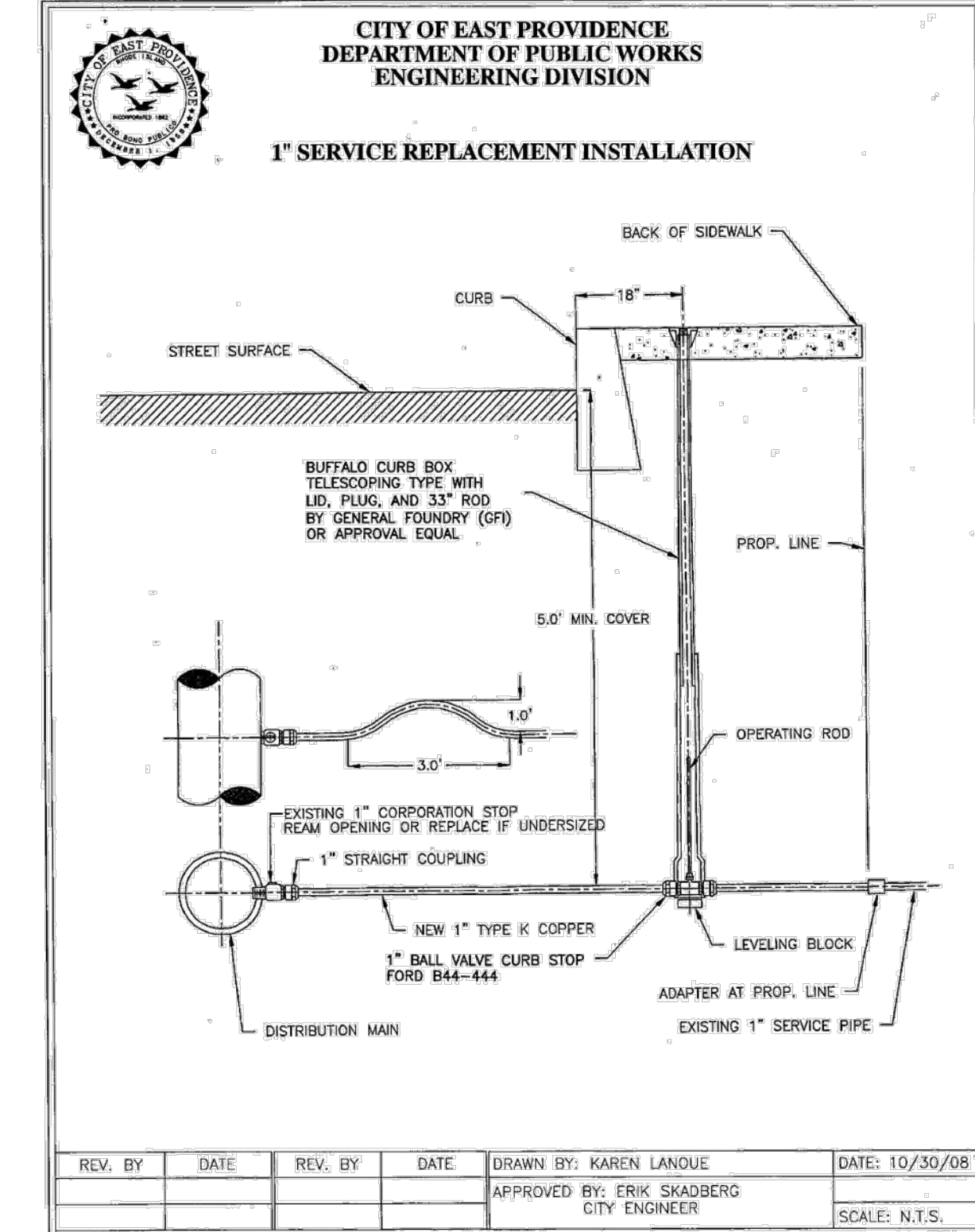
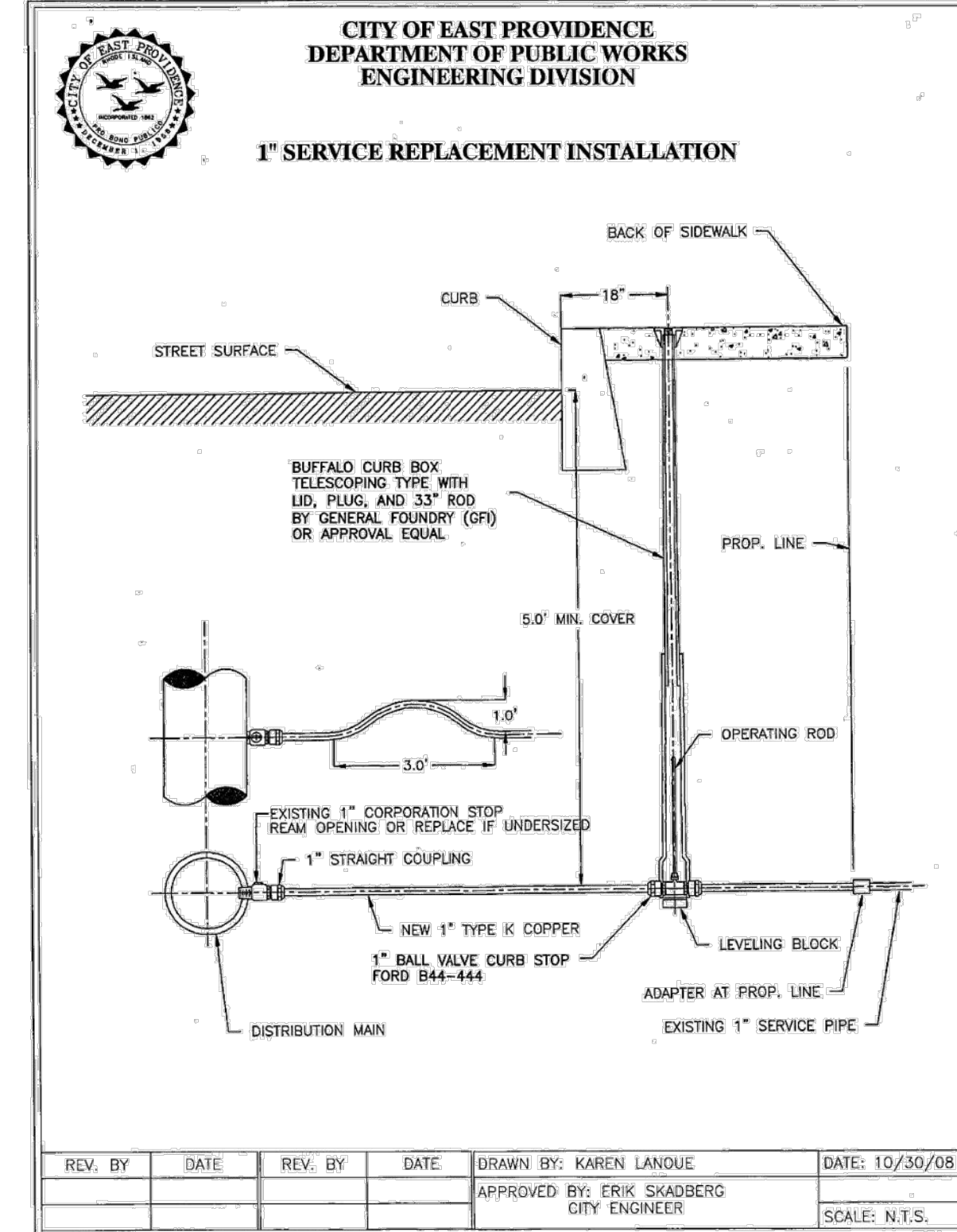
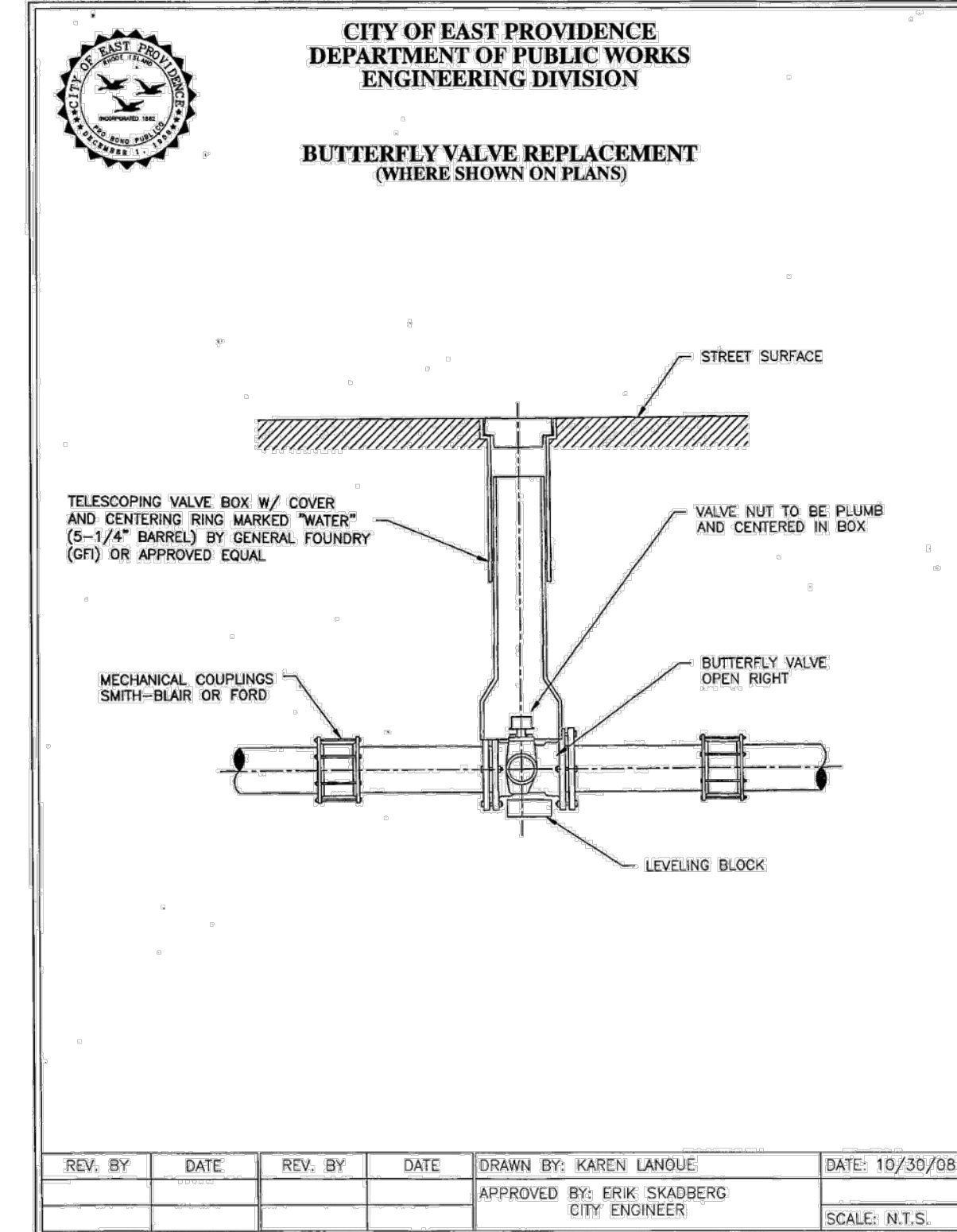
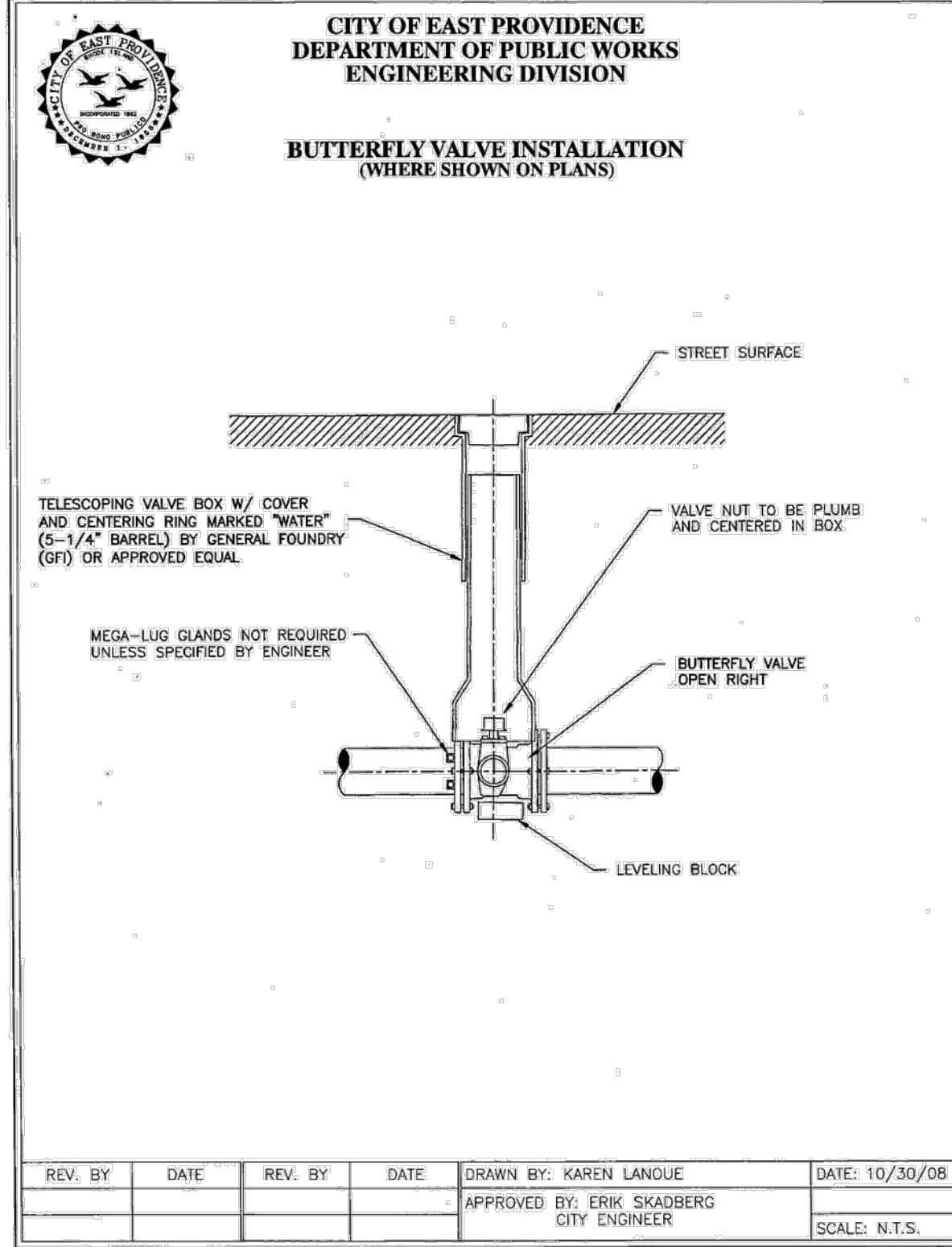
REVISIONS:

PROJECT NO.: 12200.15
DATE: APRIL 2024
SCALE: AS NOTED
CHECKED BY: JA
DESIGNED BY: BMB
DRAWN BY: SP
APPROVED BY: TPT
DRAWING TITLE:

DETAILS 2

DRAWING NO.:
C5.2
SHEET NO. 25 OF 31





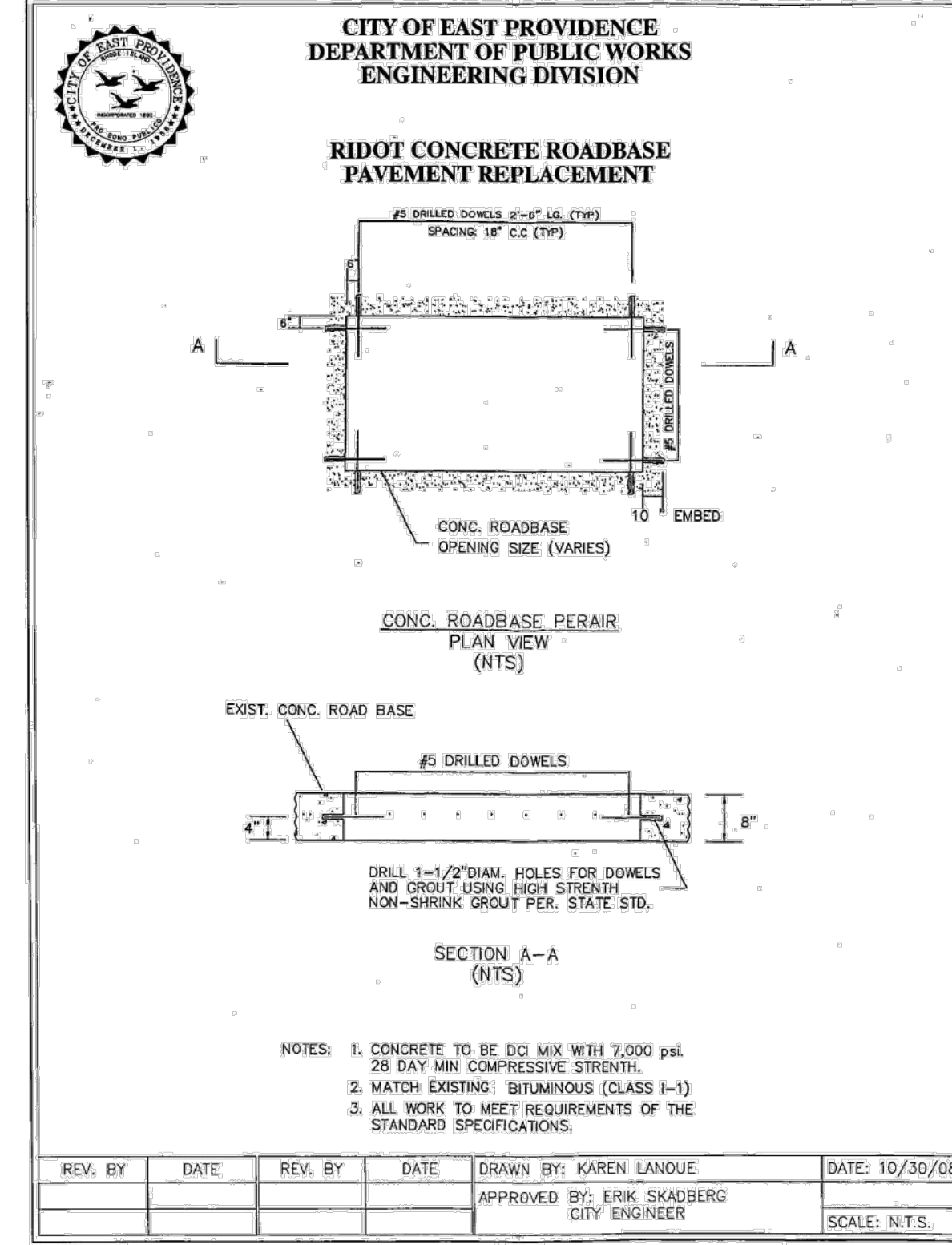
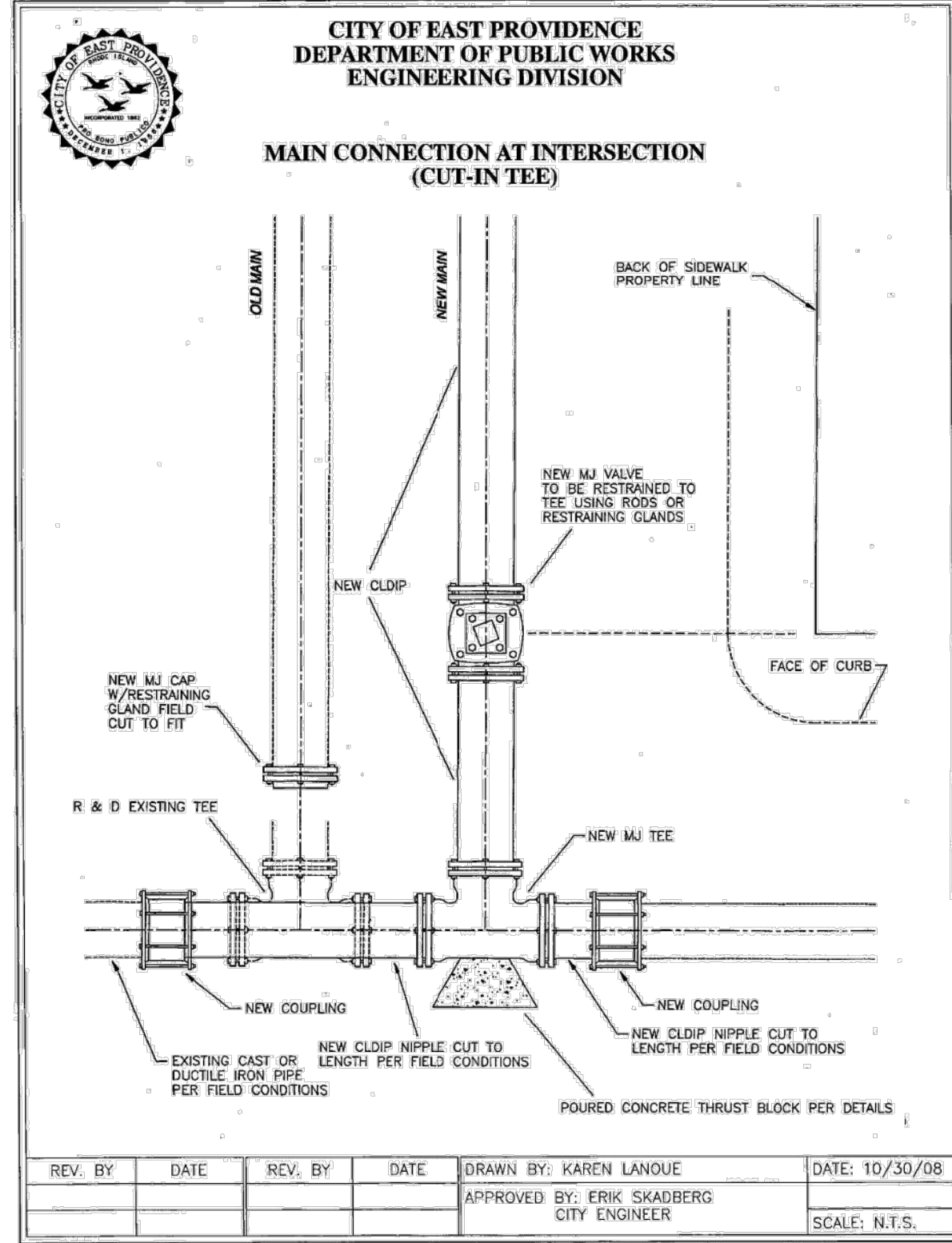
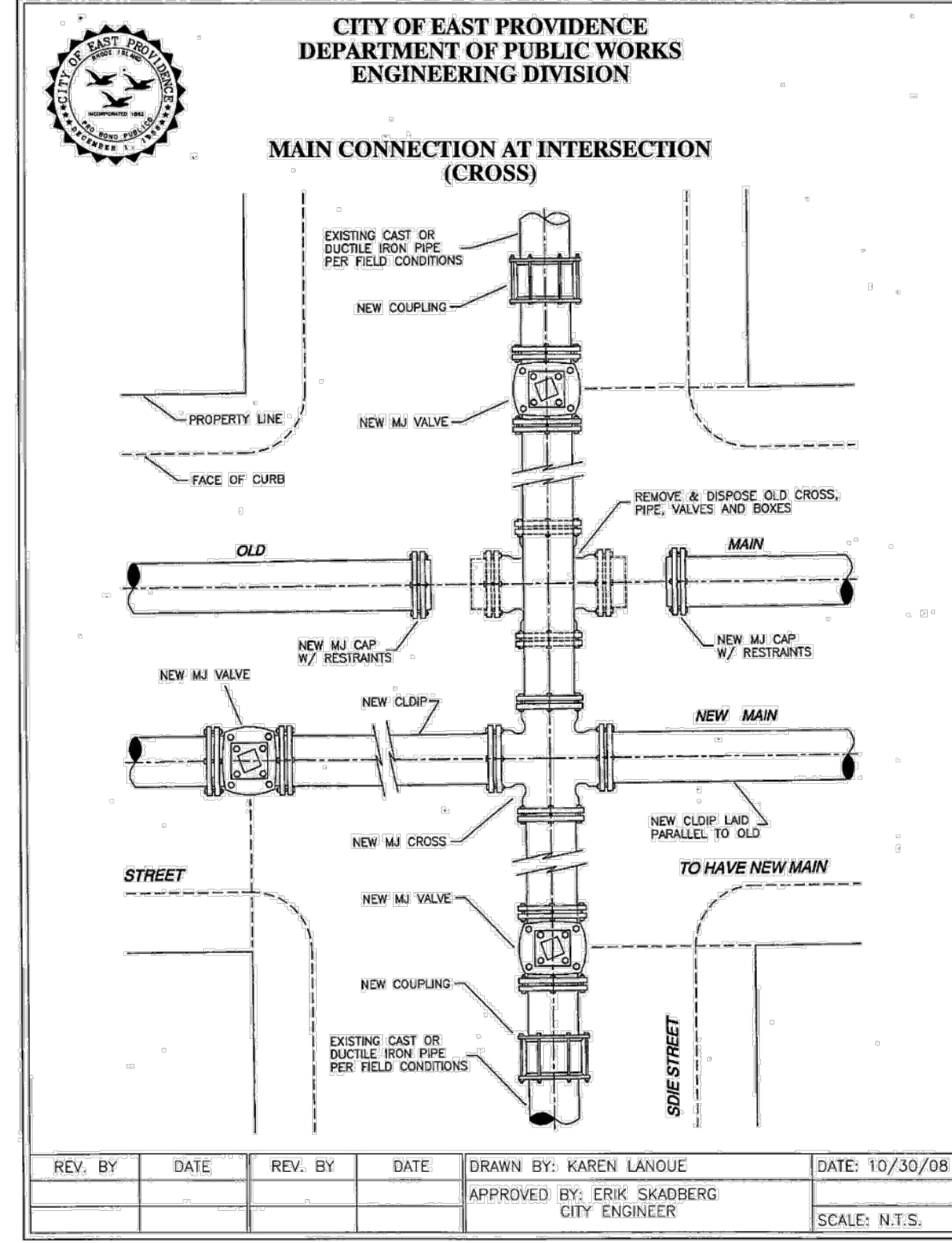
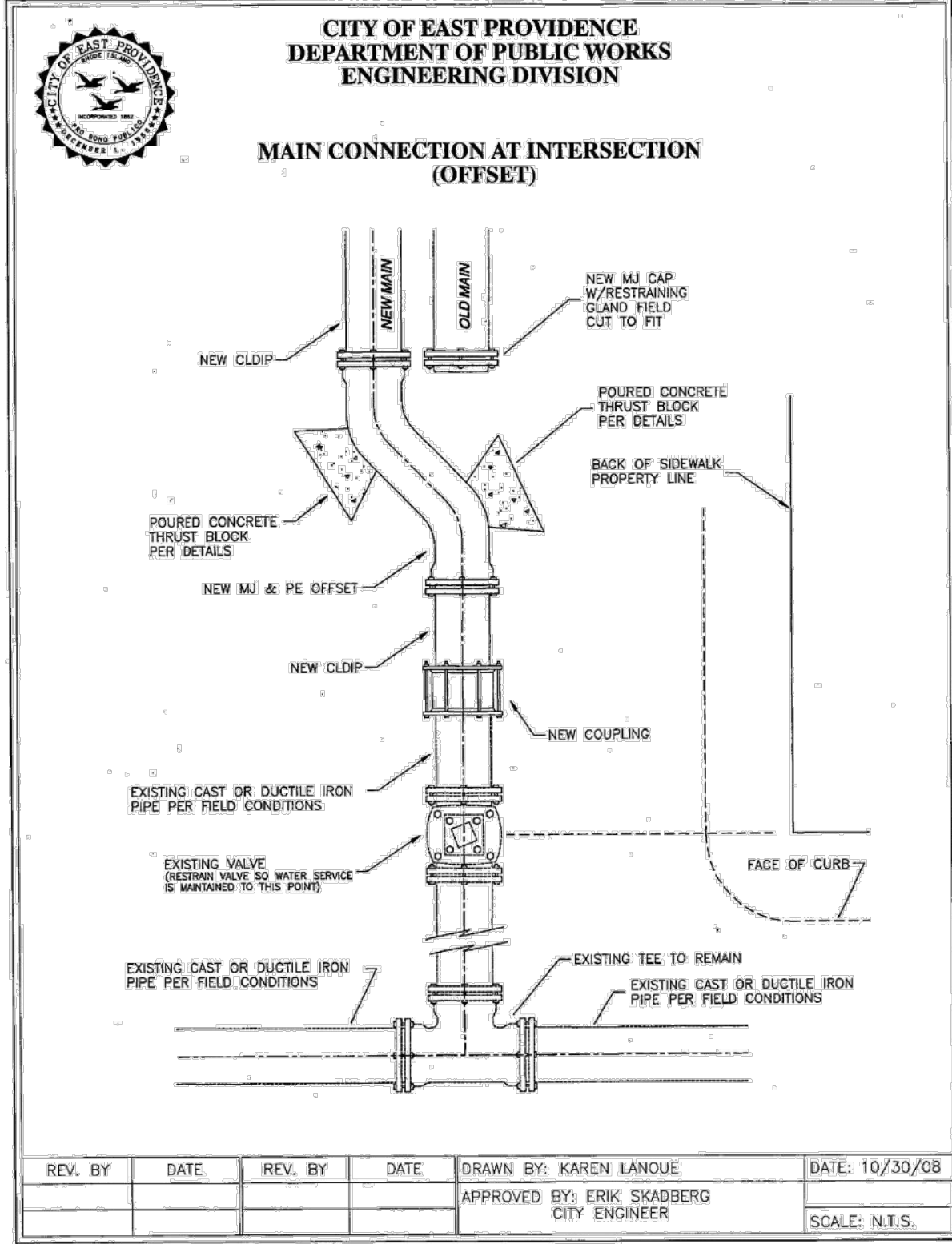
SCALE ADJUSTMENT GUIDE
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

CITY OF EAST PROVIDENCE
WATER DEPARTMENT SYSTEM IMPROVEMENTS
CLEANING AND LINING PHASE V

REVISIONS:

PROJECT NO.: 12200.15
DATE: APRIL 2024
SCALE: AS NOTED
DESIGNED BY: JA
CHECKED BY: BMB
DRAWN BY: SP
APPROVED BY: TPT
DRAWING TITLE:

DETAILS 3
DRAWING NO.: C5.3
SHEET NO. 26 OF 31



**CITY OF EAST PROVIDENCE
WATER DEPARTMENT SYSTEM IMPROVEMENTS
CLEANING AND LINING PHASE V**

SCALE ADJUSTMENT GUIDE
0' 1'
BAR IS ONE INCH ON ORIGINAL DRAWING

REVISIONS:

NO.	DESCRIPTION

PROJECT NO.: 12200.15
DATE: APRIL 2024
SCALE: AS NOTED
DESIGNED BY: JA
CHECKED BY: BMB
DRAWN BY: SP
APPROVED BY: TPT
DRAWING TITLE:

DETAILS 4

DRAWING NO.:

C5.4

SHEET NO. 27 OF 31

REVISIONS:

PROJECT NO.: 12200.15
DATE: APRIL 2024
SCALE: AS NOTED
DESIGNED BY: JA
CHECKED BY: BMB
DRAWN BY: SP
APPROVED BY: TPT
DRAWING TITLE:

DETAILS 5

DRAWING NO.:
C5.5
SHEET NO. 28 OF 31

SCALE ADJUSTMENT GUIDE
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

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" x 4" EPOXY COATED DOWEL.
3. EXPOSED SURFACES TO HAVE A SPONGE FLOAT FINISH.
4. EXPOSED EDGES TO HAVE A 3/4" CHAMFER.
5. LEFT AND RIGHT SECTIONS SHALL BE INSTALLED AS REQUIRED.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION		
NO.	BY	DATE
1	MLP	Mar 05
2	MLP	06/01/10

3'-0" PRECAST CONCRETE TRANSITION CURB

R.I. STANDARD 7.1.1

JUNE 15, 1998
ISSUE DATE

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" x 4" EPOXY COATED DOWEL.
3. EXPOSED SURFACES TO HAVE A SPONGE FLOAT FINISH.
4. EXPOSED EDGES TO HAVE A 3/4" CHAMFER.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION		
NO.	BY	DATE
1	MLP	Mar 05

6'-0" PRECAST CONCRETE TRANSITION CURB

R.I. STANDARD 7.1.2

JUNE 15, 1998
ISSUE DATE

TRANSITION LENGTH (FT.)	BATTER (IN.)
6.0	1.5
7.0	1.3
8.0	1.2
9.5	1.0
11.5	0.8
15.0	0.6
18.0	0.5

NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
2. CIRCULAR CURB IS REQUIRED ON CURVES WITH RADII OF 160'-0" OR LESS. STRAIGHT CURB TO BE USED ON CURVES OF MORE THAN 160'-0" RADIUS.
3. EXPOSED EDGES TO HAVE A 3/4" CHAMFER.
4. EXPOSED SURFACES TO HAVE A SPONGE FLOAT FINISH.
5. MINIMUM LENGTH OF STRAIGHT OR CIRCULAR CURB FILLER PIECES TO BE 3'-0" (GREATER LENGTHS PREFERRED).

RHODE ISLAND DEPARTMENT OF TRANSPORTATION		
NO.	BY	DATE
1	MLP	Mar 05

PRECAST CONCRETE WHEELCHAIR RAMP TRANSITION CURB

R.I. STANDARD 7.1.3

JUNE 15, 1998
ISSUE DATE

NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
2. EXPOSED SURFACES TO HAVE A SPONGE FLOAT FINISH.
3. NO REINFORCEMENT REQUIRED.
4. EXPOSED EDGES TO HAVE A 3/4" CHAMFER.
5. SEE STD. 7.1.0 FOR DOWEL SOCKET LOCATION.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION		
NO.	BY	DATE
1	MLP	Mar 05

PRECAST CONCRETE 2'-0" RADIUS CORNER

R.I. STANDARD 7.1.4

JUNE 15, 1998
ISSUE DATE

NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
2. MINIMUM LENGTH OF STRAIGHT OR CIRCULAR RAMP STONE TO BE 4'-0".
3. EXPOSED SURFACES TO HAVE A SPONGE FLOAT FINISH.
4. CIRCULAR RAMP STONE IS REQUIRED ON CURVES WITH RADII OF 160'-0" OR LESS. STRAIGHT RAMP STONE TO BE USED ON CURVES OF MORE THAN 160'-0" RADIUS.
5. EXPOSED EDGES TO HAVE A 3/4" CHAMFER.
6. RAMP STONE SHALL BE SET IN ACCORDANCE WITH STD. 43.3.0.
7. 12" RAMP STONE SHALL BE SET IN CONJUNCTION WITH STD. 7.1.2.
8. 18" RAMP STONE SHALL BE SET IN CONJUNCTION WITH STD. 7.1.3.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION		
NO.	BY	DATE
1	MLP	Sep 2012

PRECAST CONCRETE RAMP STONE

R.I. STANDARD 7.1.9

JUNE 27, 2008
ISSUE DATE

NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
2. EXPOSED SURFACES TO HAVE A SPONGE FLOAT FINISH.
3. EXPOSED EDGES TO HAVE A 3/4" CHAMFER.
4. DRAWING SHOWS TRANSITION CURB FOR ONE DIRECTION, FOR OTHER DIRECTION USE OPPOSITE HAND AND INCLUDE A 1/2" x 4" EPOXY COATED DOWEL.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION		
NO.	BY	DATE
1	MLP	Mar 05

PRECAST CONCRETE SLOPED FACE TRANSITION CURB

R.I. STANDARD 7.2.1

JUNE 15, 1998
ISSUE DATE

NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
2. EXPOSED SURFACES TO HAVE A SPONGE FLOAT FINISH.
3. EXPOSED EDGES TO HAVE A 3/4" CHAMFER.
4. DRAWING SHOWS TRANSITION CURB FOR ONE DIRECTION, FOR OTHER DIRECTION USE OPPOSITE HAND AND INCLUDE A 1/2" x 4" EPOXY COATED DOWEL.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION		
NO.	BY	DATE
1	MLP	Mar 05

PRECAST CONCRETE TRANSITION CURB (VERTICAL FACE TO SLOPED FACE)

R.I. STANDARD 7.2.2

JUNE 15, 1998
ISSUE DATE

NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
2. TOP SURFACE TO BE DRESSED BY SAW. REMAINDER MAY BE QUARRY SPLIT.
3. MINIMUM LENGTH OF STRAIGHT OR CIRCULAR PIECES TO BE 3'-0".
4. CIRCULAR CURB IS REQUIRED ON CURVES WITH RADII OF 160'-0" OR LESS. STRAIGHT CURB TO BE USED ON CURVES OF MORE THAN 160'-0" RADIUS.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION		
NO.	BY	DATE
1	MLP	Mar 2005
2	MLP	Sep 2012

GRANITE CURB

R.I. STANDARD 7.3.0

JUNE 15, 1998
ISSUE DATE

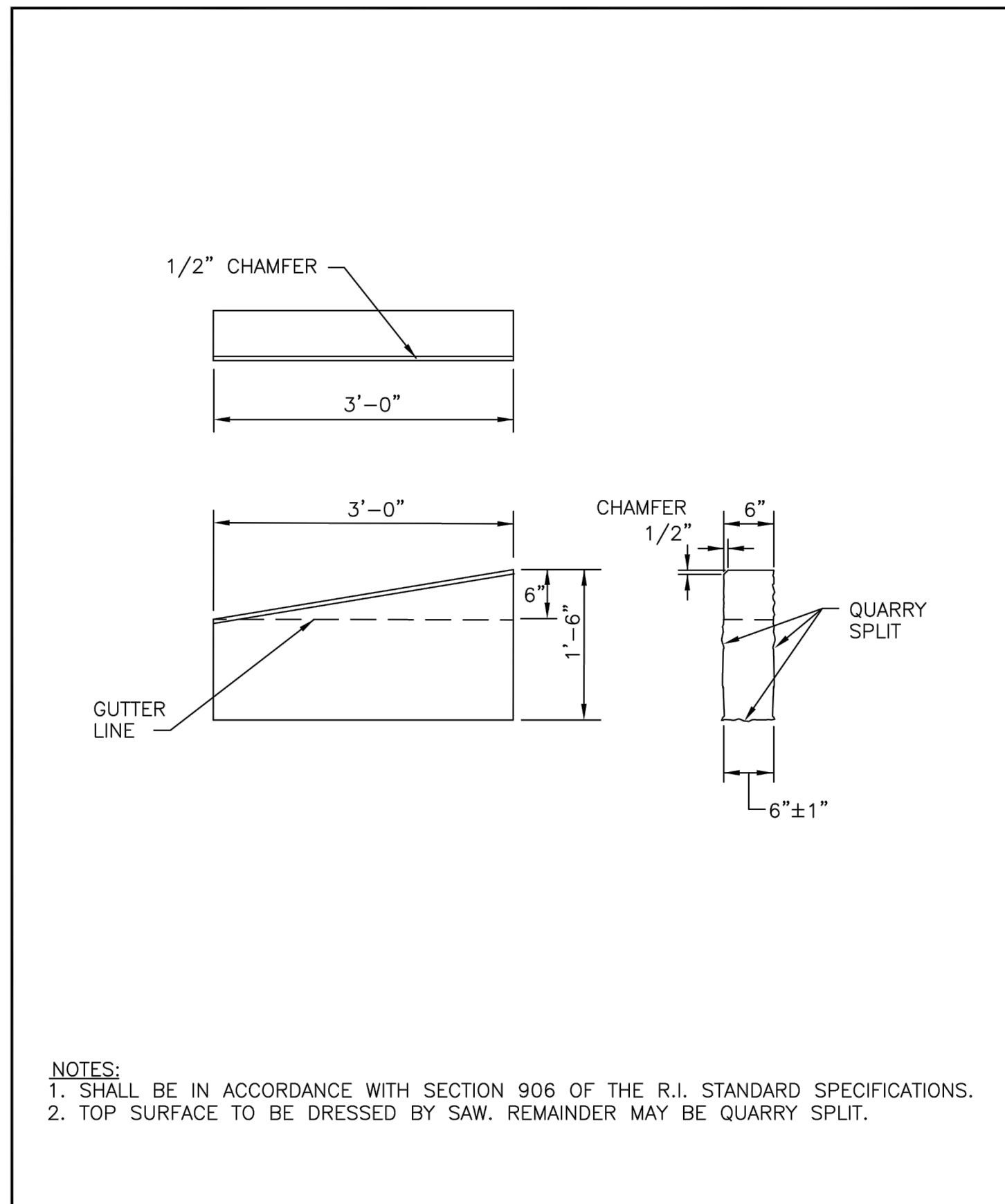
REVISIONS:

PROJECT NO.: 12200.15
DATE: APRIL 2024
SCALE: AS NOTED
DESIGNED BY: JA
CHECKED BY: BMB
DRAWN BY: SP
APPROVED BY: TPT
DRAWING TITLE:

DETAILS 6

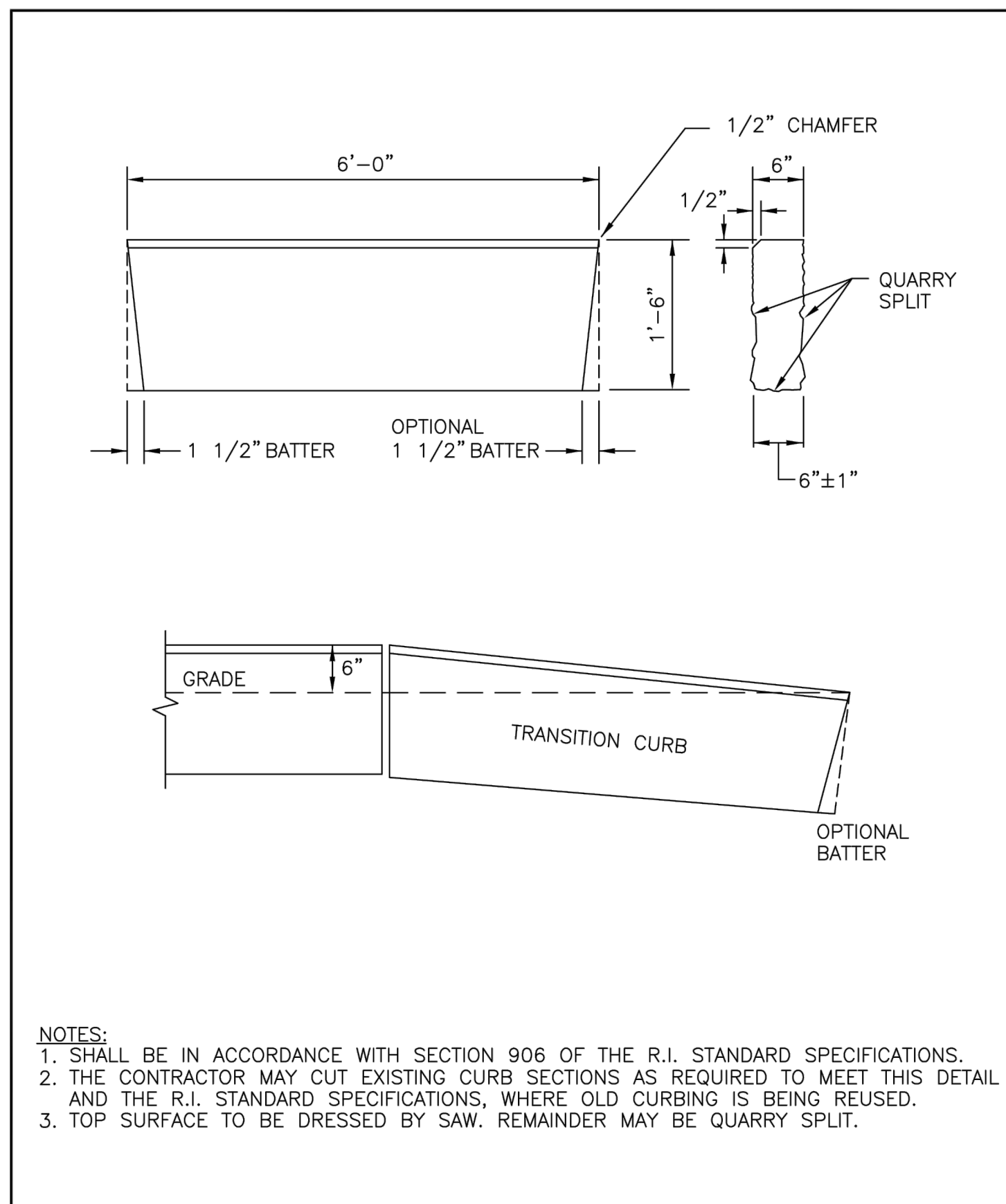
DRAWING NO.:
C5.6
SHEET NO. 29 OF 31

SCALE ADJUSTMENT GUIDE
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING



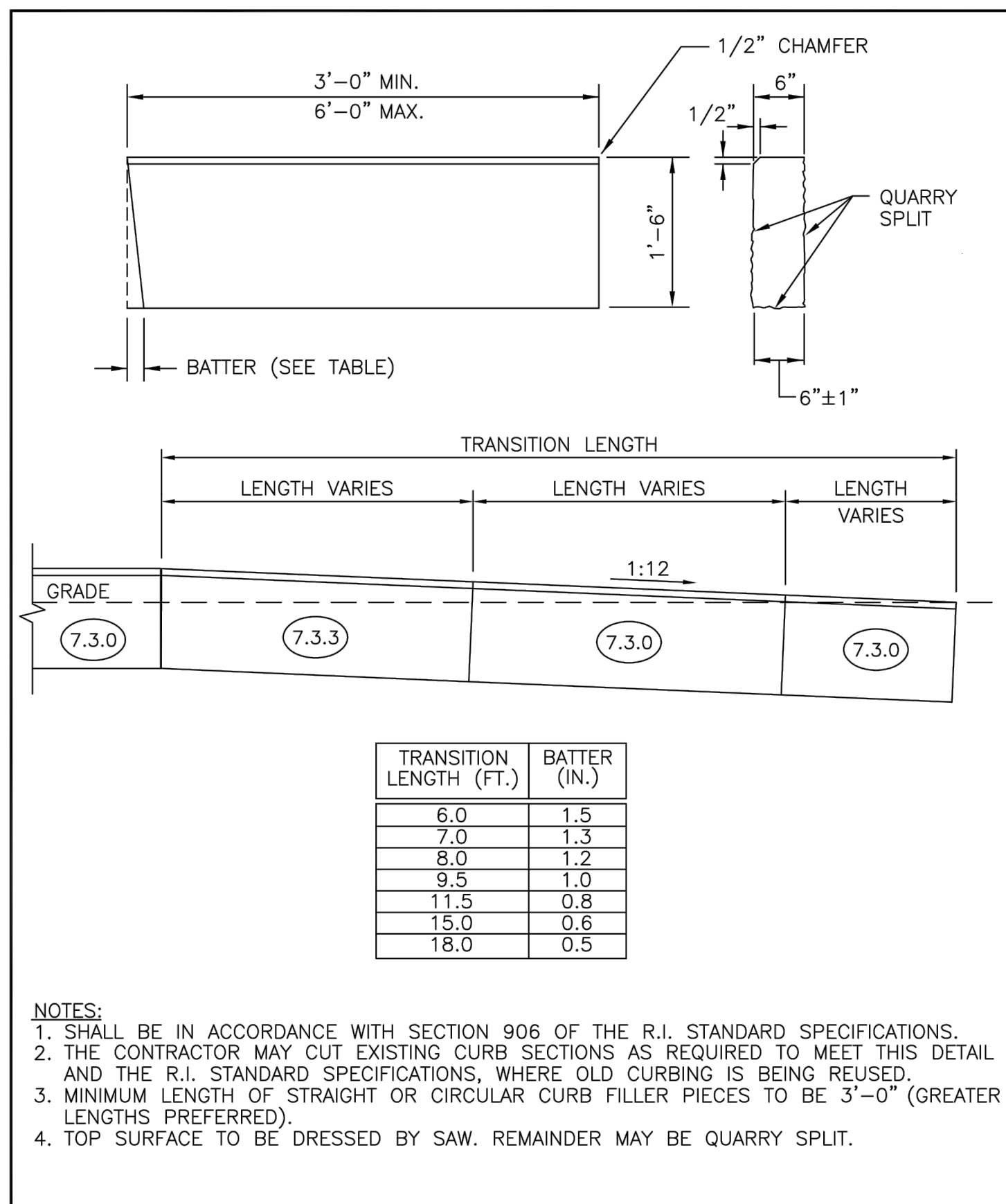
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS			R.I. STANDARD 7.3.1
NO.	BY	DATE	
1	MLP	Mar 2005	
3'-0" GRANITE TRANSITION CURB JUNE 15, 1998 <small>CHIEF ENGINEER TRANSPORTATION CHIEF DESIGN ENGINEER TRANSPORTATION</small>			



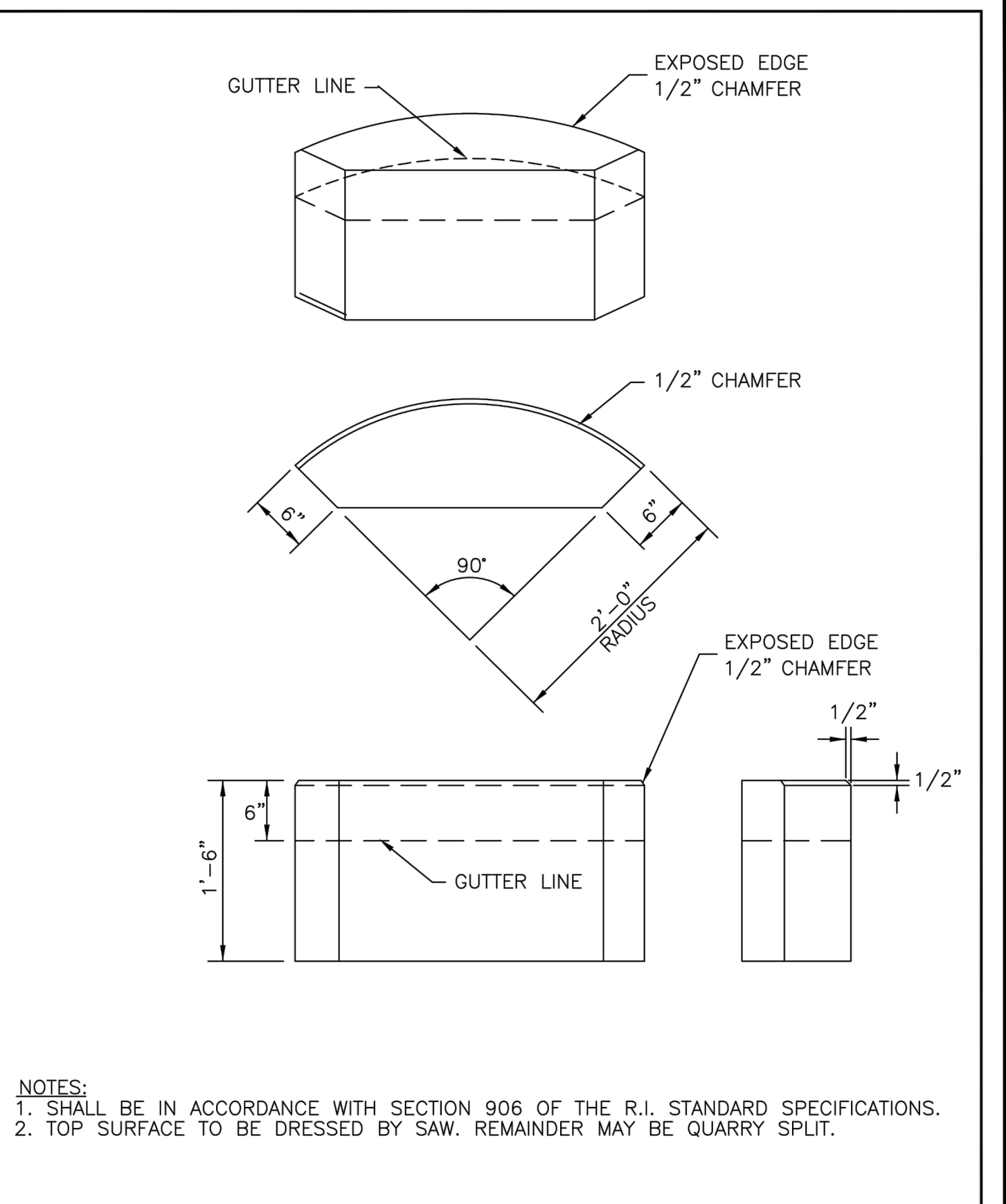
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS			R.I. STANDARD 7.3.2
NO.	BY	DATE	
1	MLP	Mar 2005	
6'-0" GRANITE TRANSITION CURB JUNE 15, 1998 <small>CHIEF ENGINEER TRANSPORTATION CHIEF DESIGN ENGINEER TRANSPORTATION</small>			



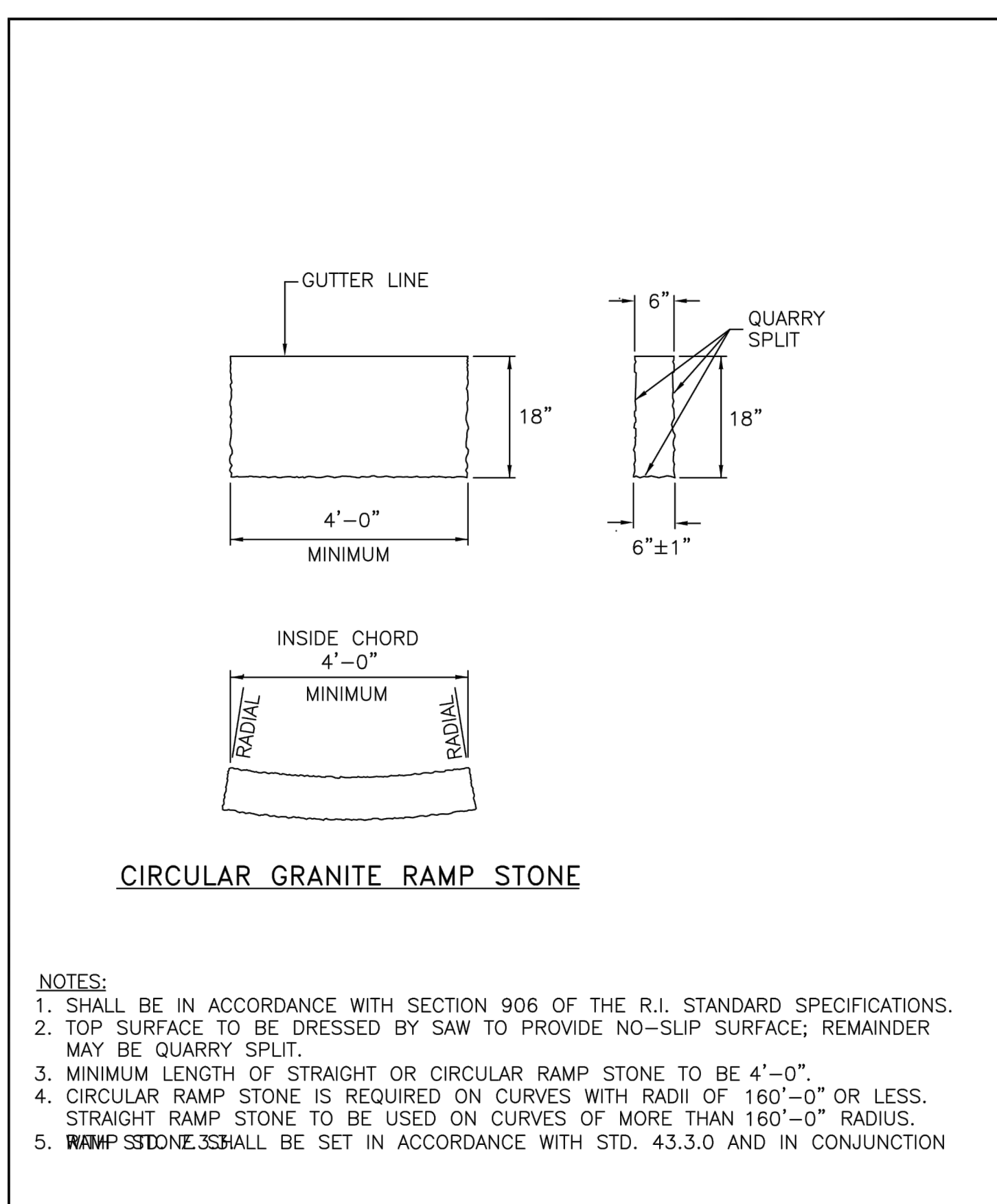
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS			R.I. STANDARD 7.3.3
NO.	BY	DATE	
1	MLP	Mar 2005	
GRANITE WHEELCHAIR RAMP TRANSITION CURB JUNE 15, 1998 <small>CHIEF ENGINEER TRANSPORTATION CHIEF DESIGN ENGINEER TRANSPORTATION</small>			



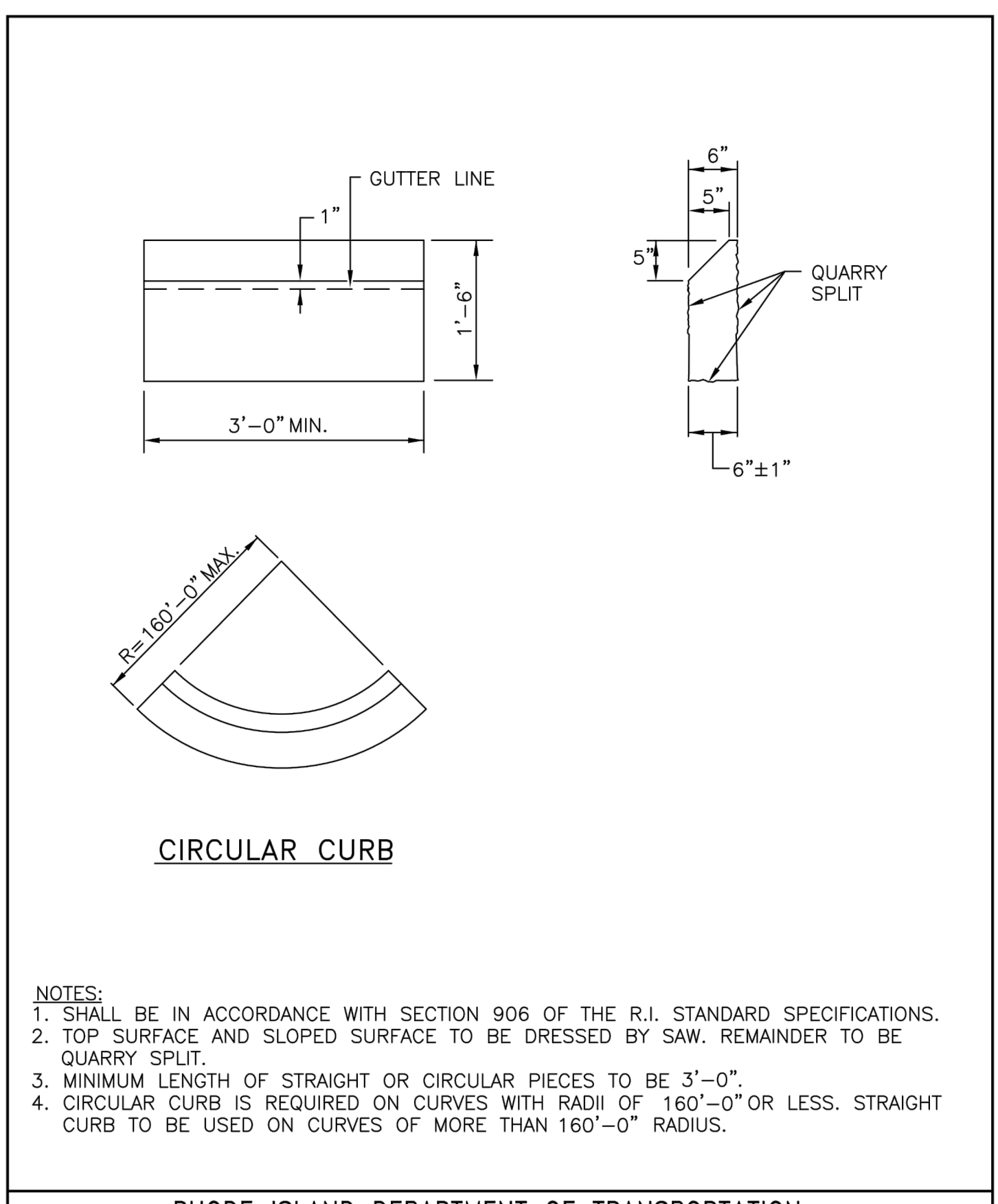
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS			R.I. STANDARD 7.3.4
NO.	BY	DATE	
1	MLP	Mar 2005	
GRANITE 2'-0" RADIUS CORNER JUNE 15, 1998 <small>CHIEF ENGINEER TRANSPORTATION CHIEF DESIGN ENGINEER TRANSPORTATION</small>			



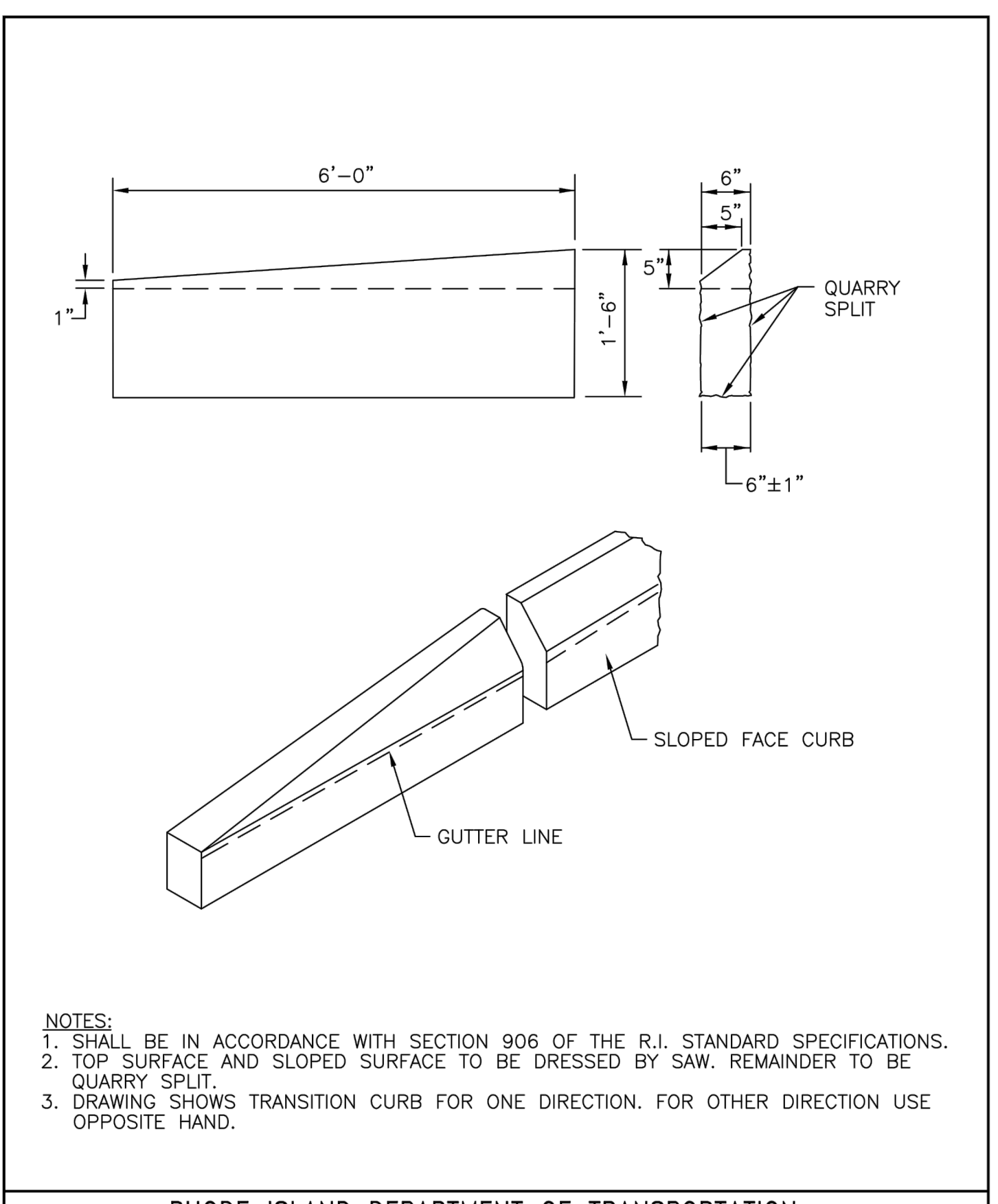
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS			R.I. STANDARD 7.3.9
NO.	BY	DATE	
1	MLP	Jun 2010	
GRANITE RAMP STONE JUNE 27, 2008 <small>CHIEF ENGINEER TRANSPORTATION CHIEF DESIGN ENGINEER TRANSPORTATION</small>			



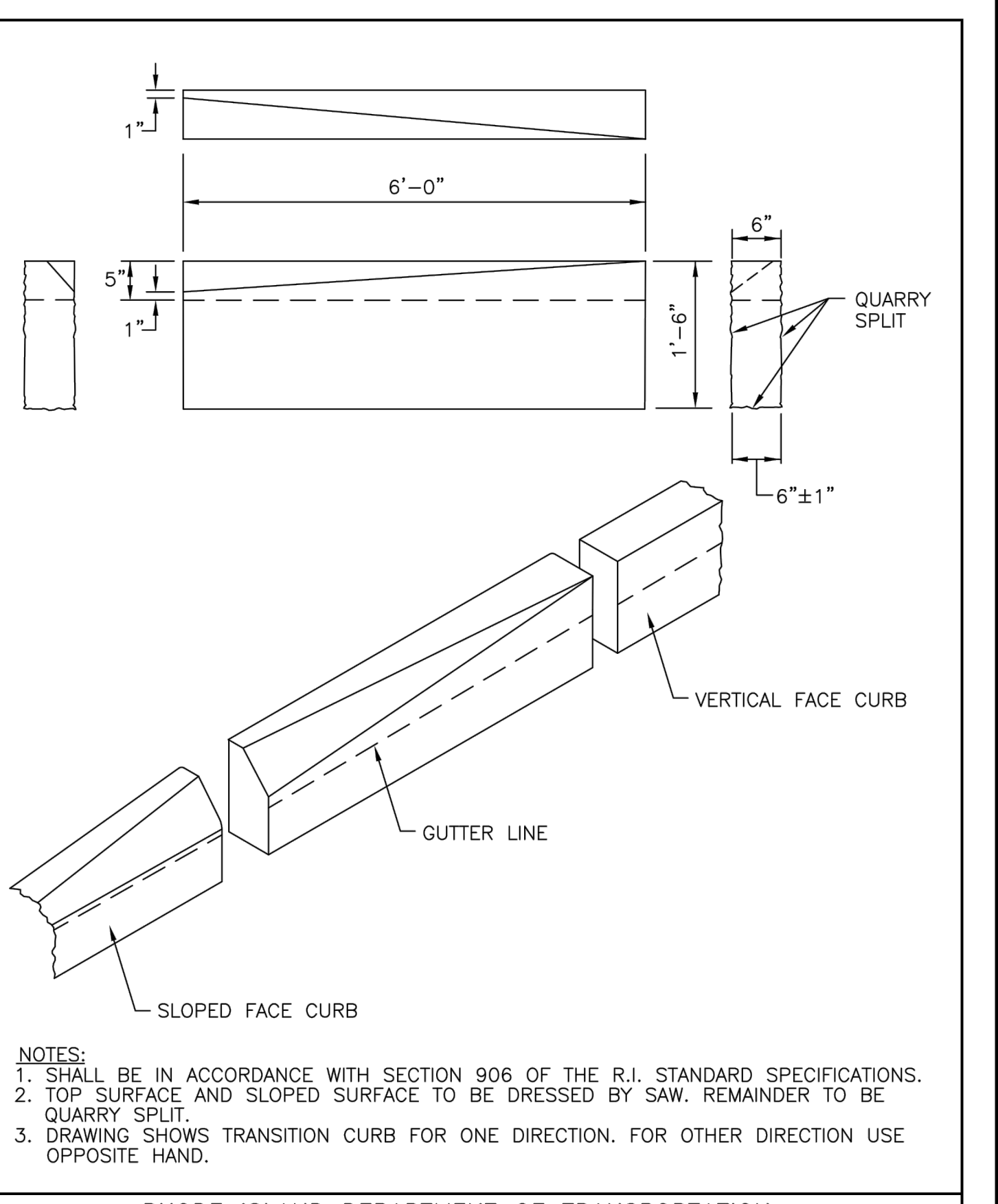
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS			R.I. STANDARD 7.4.0
NO.	BY	DATE	
1	MLP	Mar 05	
GRANITE SLOPED FACE CURB JUNE 15, 1998 <small>CHIEF ENGINEER TRANSPORTATION CHIEF DESIGN ENGINEER TRANSPORTATION</small>			



RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS			R.I. STANDARD 7.4.1
NO.	BY	DATE	
1	MLP	Mar 05	
GRANITE SLOPED FACE TRANSITION CURB JUNE 15, 1998 <small>CHIEF ENGINEER TRANSPORTATION CHIEF DESIGN ENGINEER TRANSPORTATION</small>			



RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS			R.I. STANDARD 7.4.2
NO.	BY	DATE	
1	MLP	Mar 05	
GRANITE TRANSITION CURB (VERTICAL FACE TO SLOPED FACE) JUNE 15, 1998 <small>CHIEF ENGINEER TRANSPORTATION CHIEF DESIGN ENGINEER TRANSPORTATION</small>			



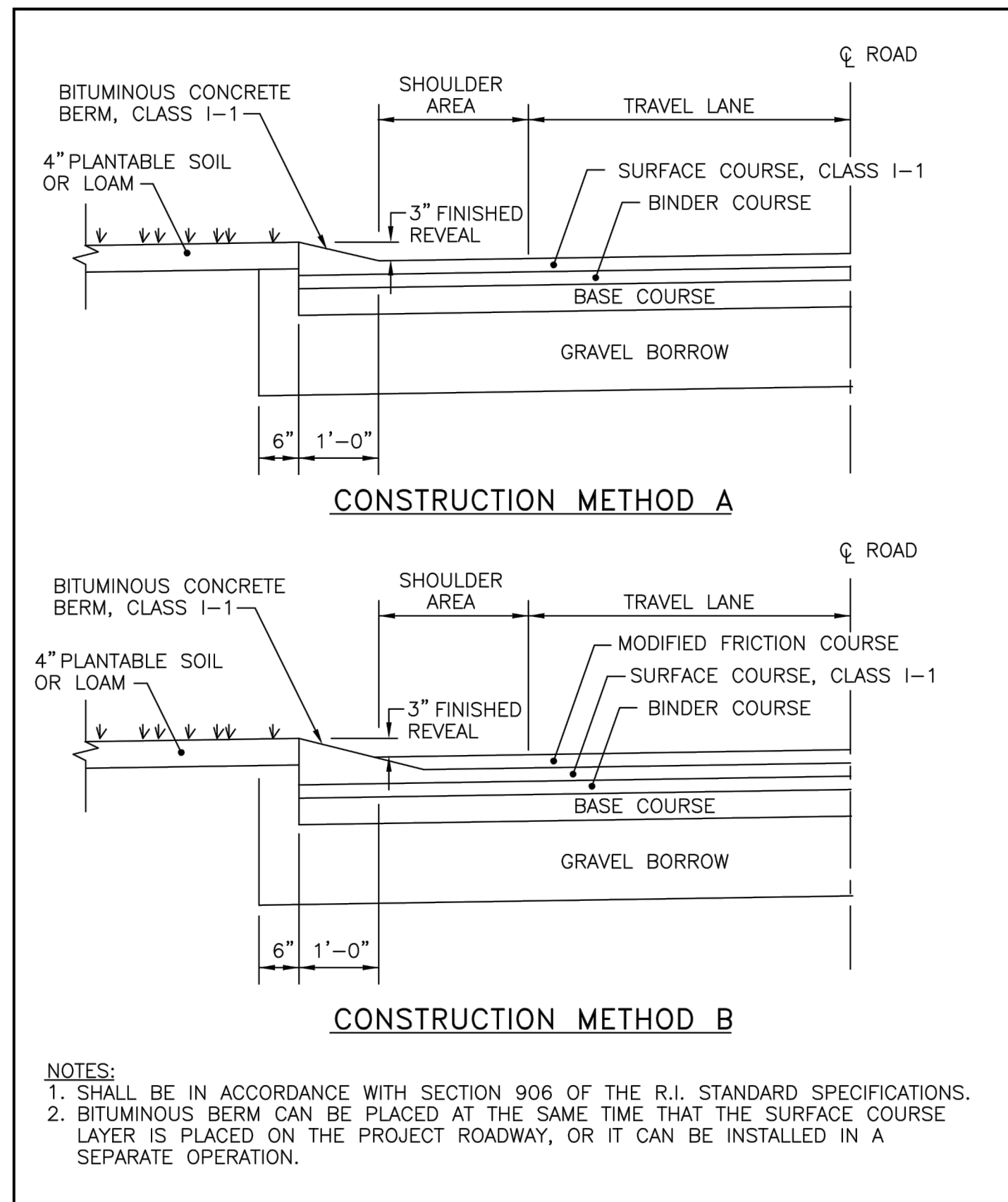
REVISIONS:

PROJECT NO.: 12200.15
DATE: APRIL 2024
SCALE: AS NOTED
DESIGNED BY: JA
CHECKED BY: BMB
DRAWN BY: SP
APPROVED BY: TPT
DRAWING TITLE:

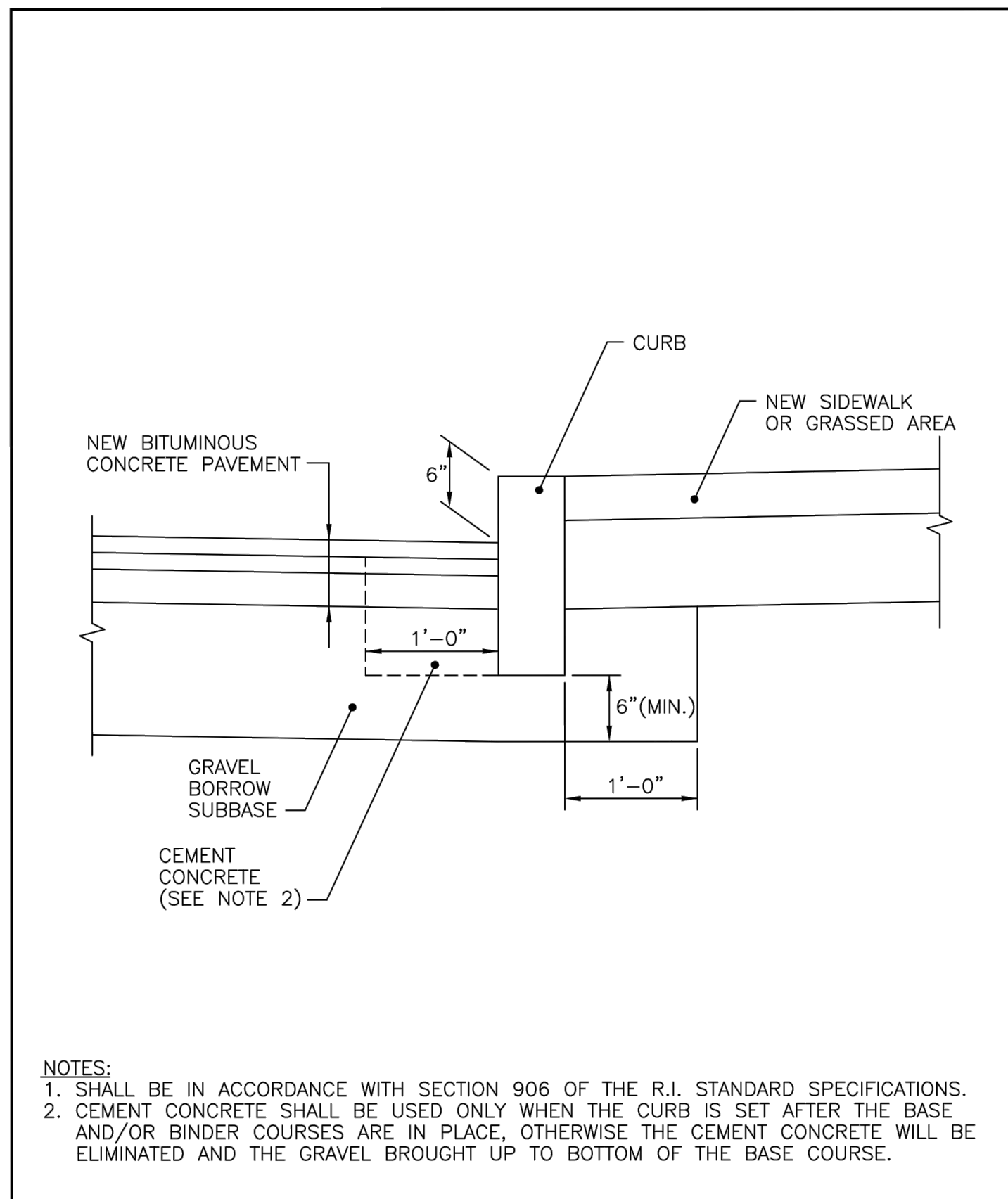
DETAILS 7

DRAWING NO.:
C5.7
SHEET NO. 30 OF 31

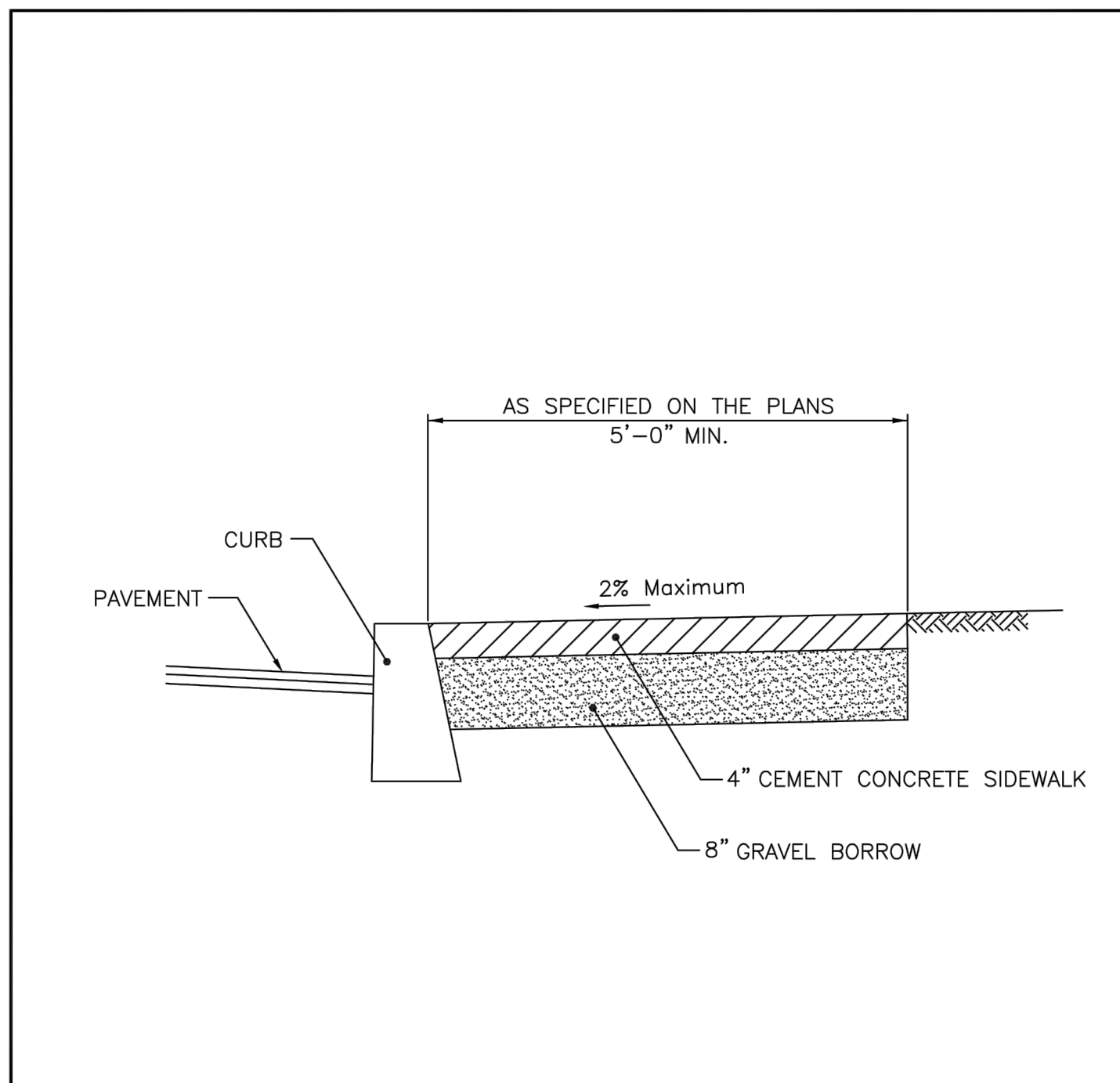
SCALE ADJUSTMENT GUIDE
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING



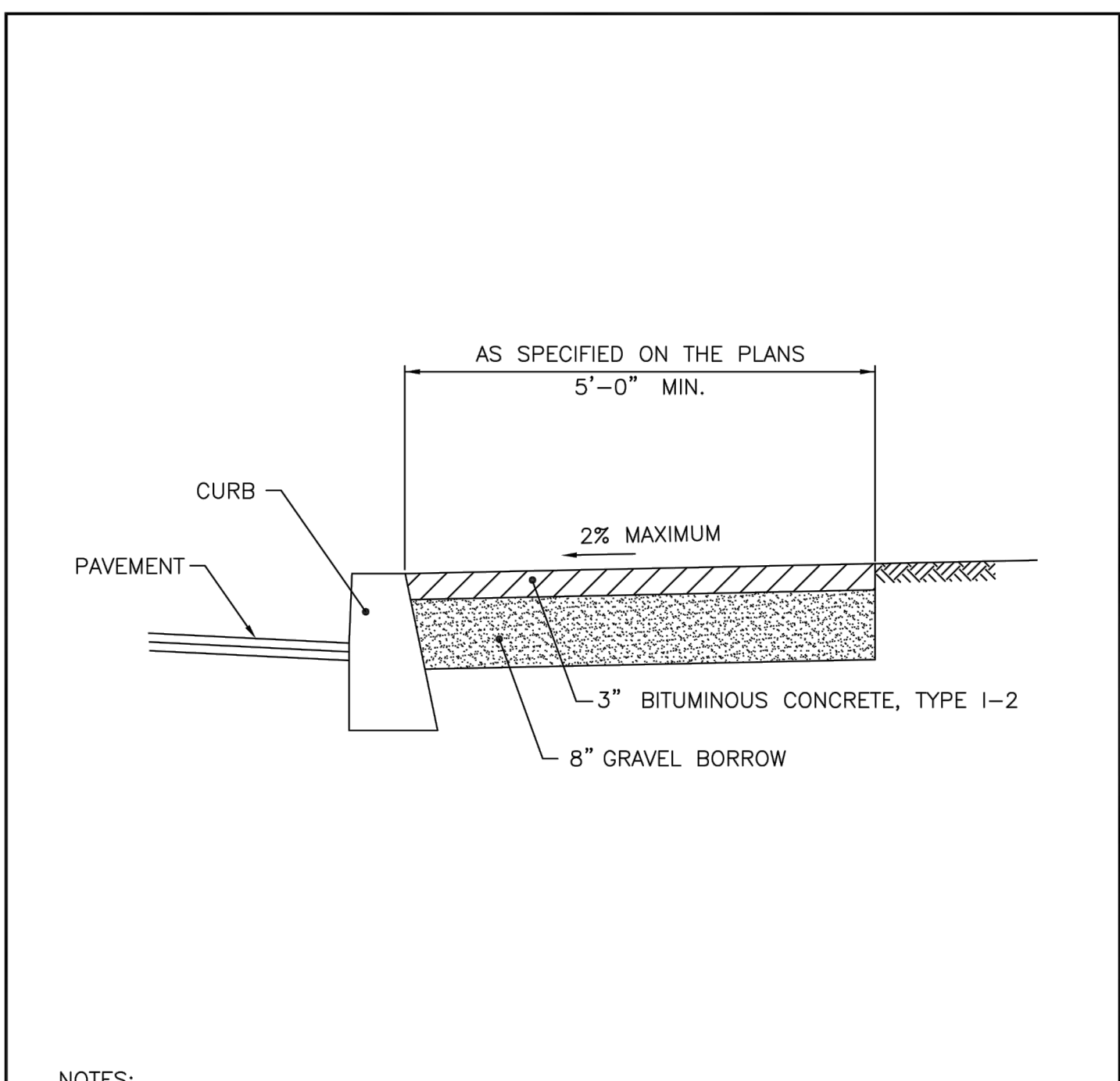
RHODE ISLAND DEPARTMENT OF TRANSPORTATION
BITUMINOUS BERM
R.I. STANDARD 7.5.1
Revisions table with 2 entries (MLP Mar 05)



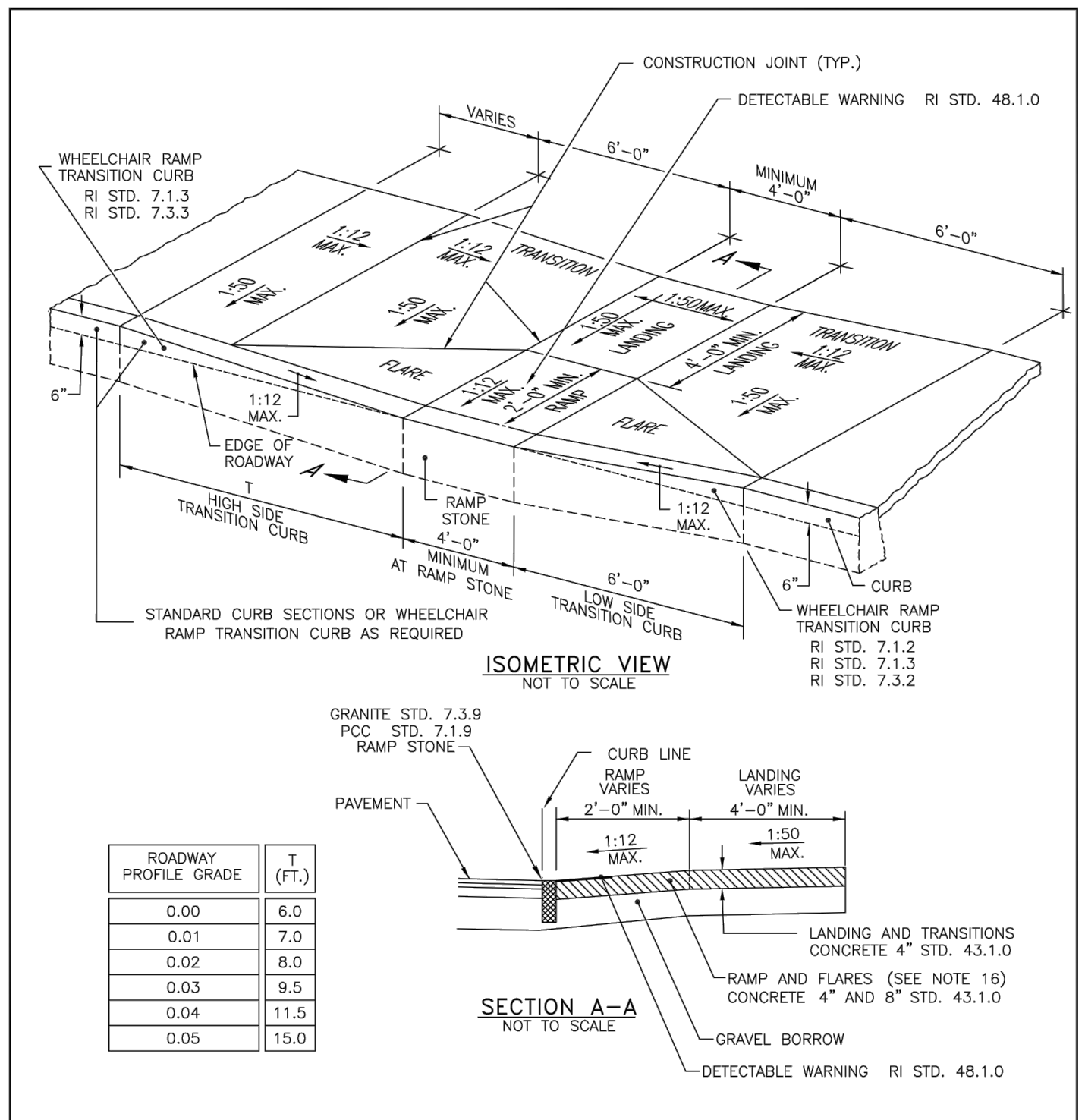
RHODE ISLAND DEPARTMENT OF TRANSPORTATION
CURB SETTING DETAIL
R.I. STANDARD 7.6.0
Revisions table with 1 entry (MLP Mar 05)



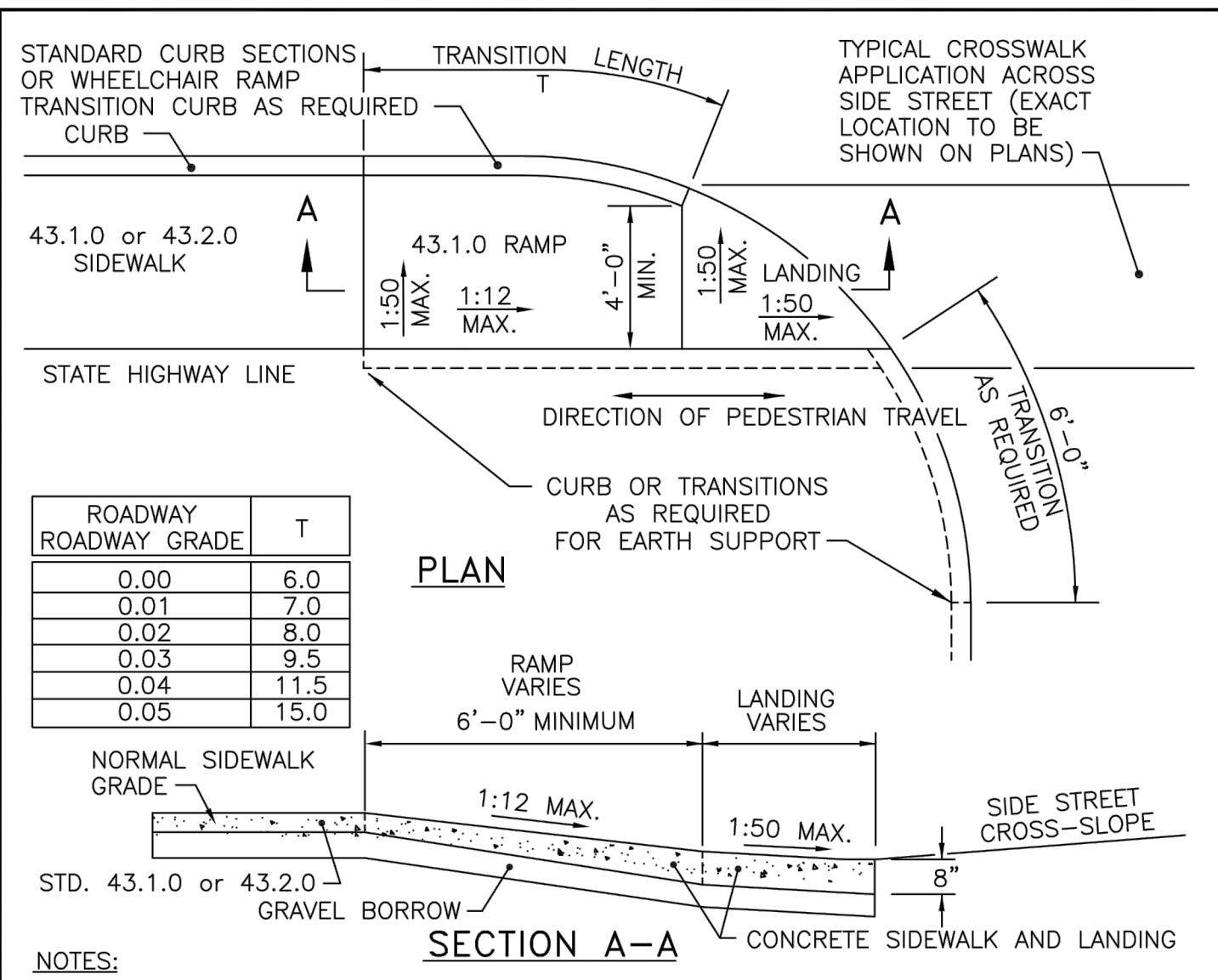
RHODE ISLAND DEPARTMENT OF TRANSPORTATION
CEMENT CONCRETE SIDEWALK
R.I. STANDARD 43.1.0
Revisions table with 2 entries (MLP 3/1/05, MLP 06/01/10)



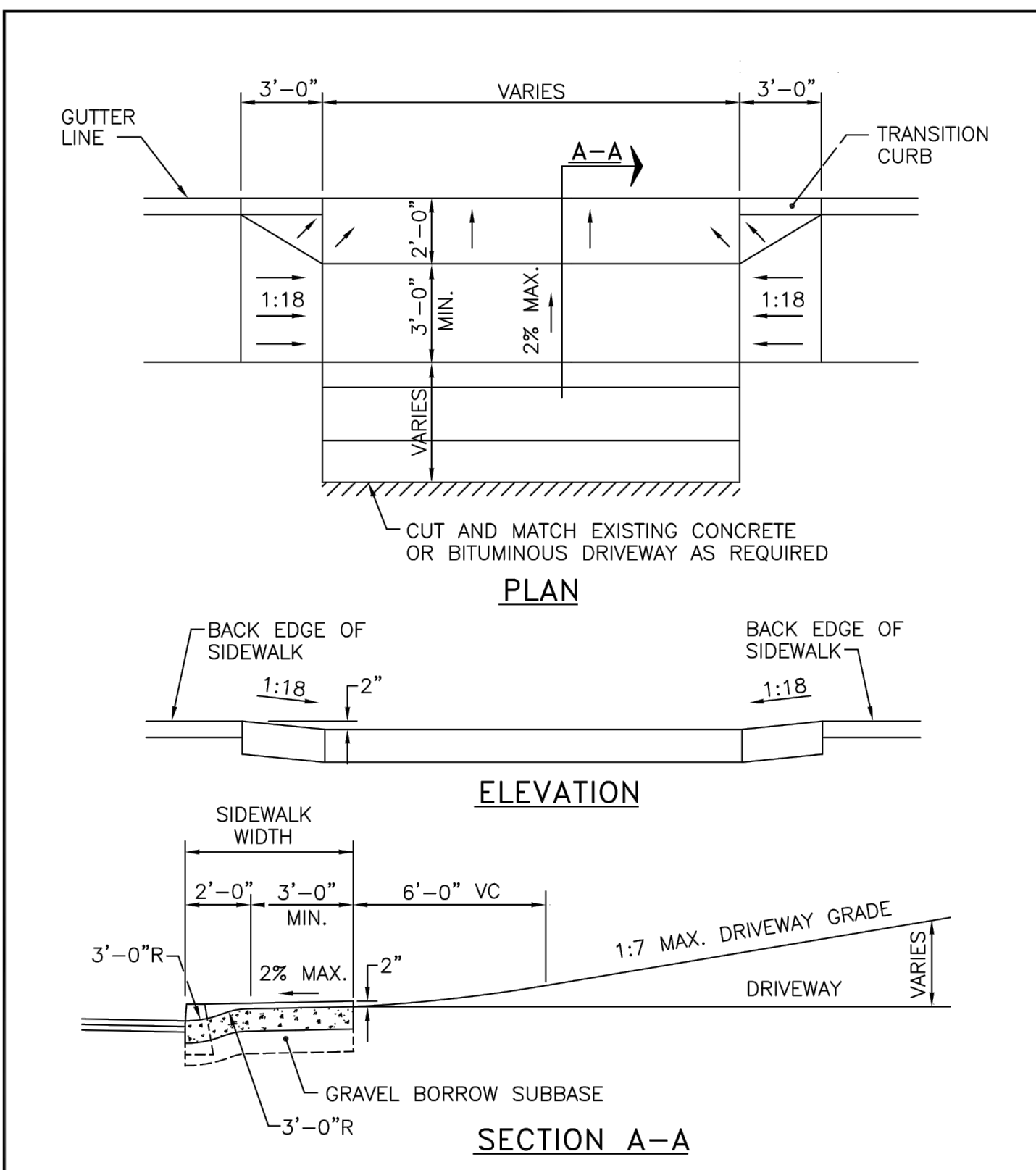
RHODE ISLAND DEPARTMENT OF TRANSPORTATION
BITUMINOUS CONCRETE SIDEWALK
R.I. STANDARD 43.2.0
Revisions table with 2 entries (MLP 3/1/05, MLP 06/01/10)



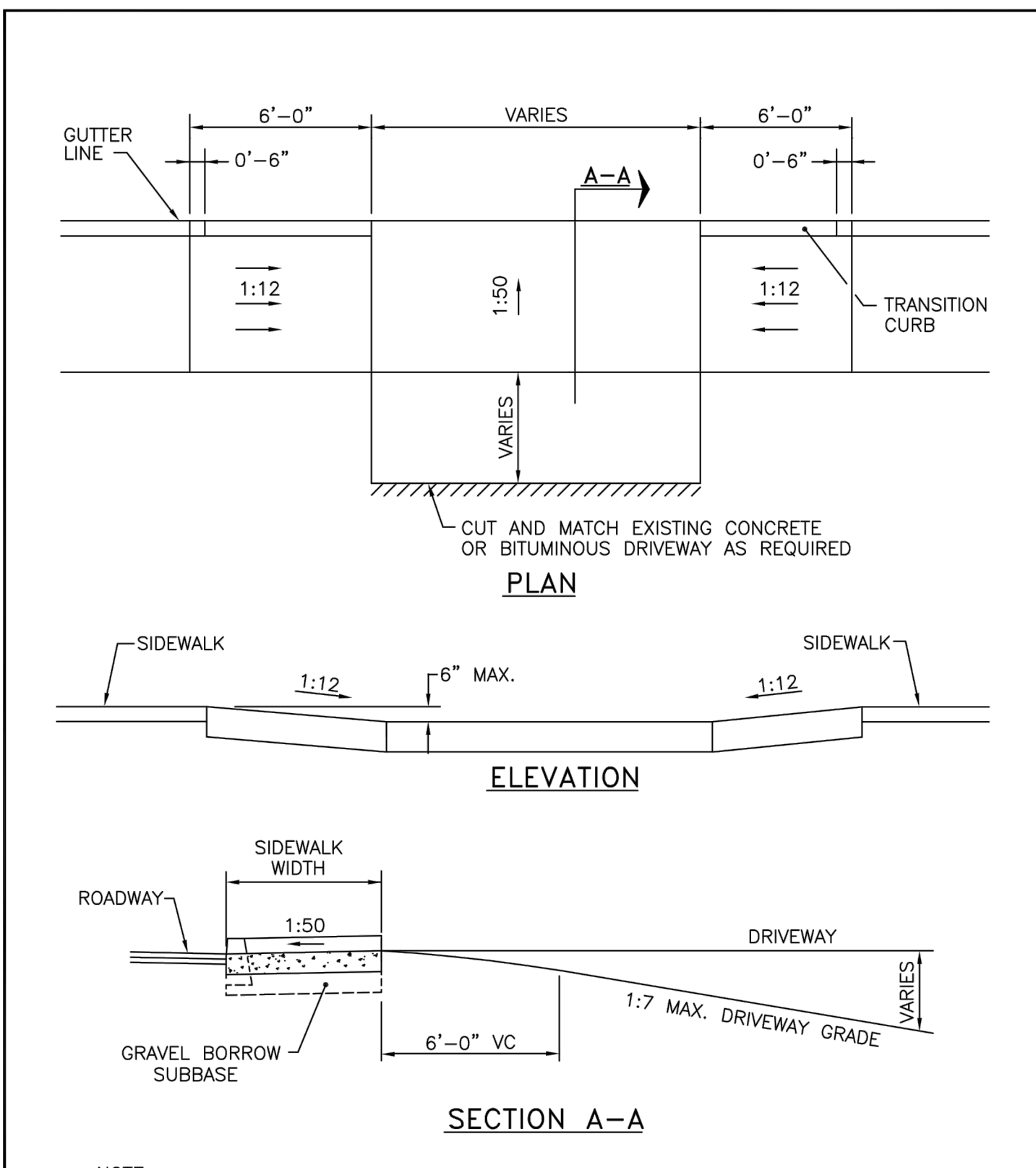
RHODE ISLAND DEPARTMENT OF TRANSPORTATION
WHEELCHAIR RAMP
R.I. STANDARD 43.3.0
Revisions table with 3 entries (MLP Dec 2005, MLP Sep 2012)



RHODE ISLAND DEPARTMENT OF TRANSPORTATION
WHEELCHAIR RAMP FOR LIMITED RIGHT-OF-WAY AREAS
R.I. STANDARD 43.3.1
Revisions table with 2 entries (MLP Dec 2005, MLP Sep 2012)



RHODE ISLAND DEPARTMENT OF TRANSPORTATION
DRIVEWAY DEVELOPMENT FOR 3'-0" TRANSITION CURB
R.I. STANDARD 43.4.0
Revisions table with 3 entries (MLP 3/01/05, MLP 6/27/08, MLP 6/01/10)



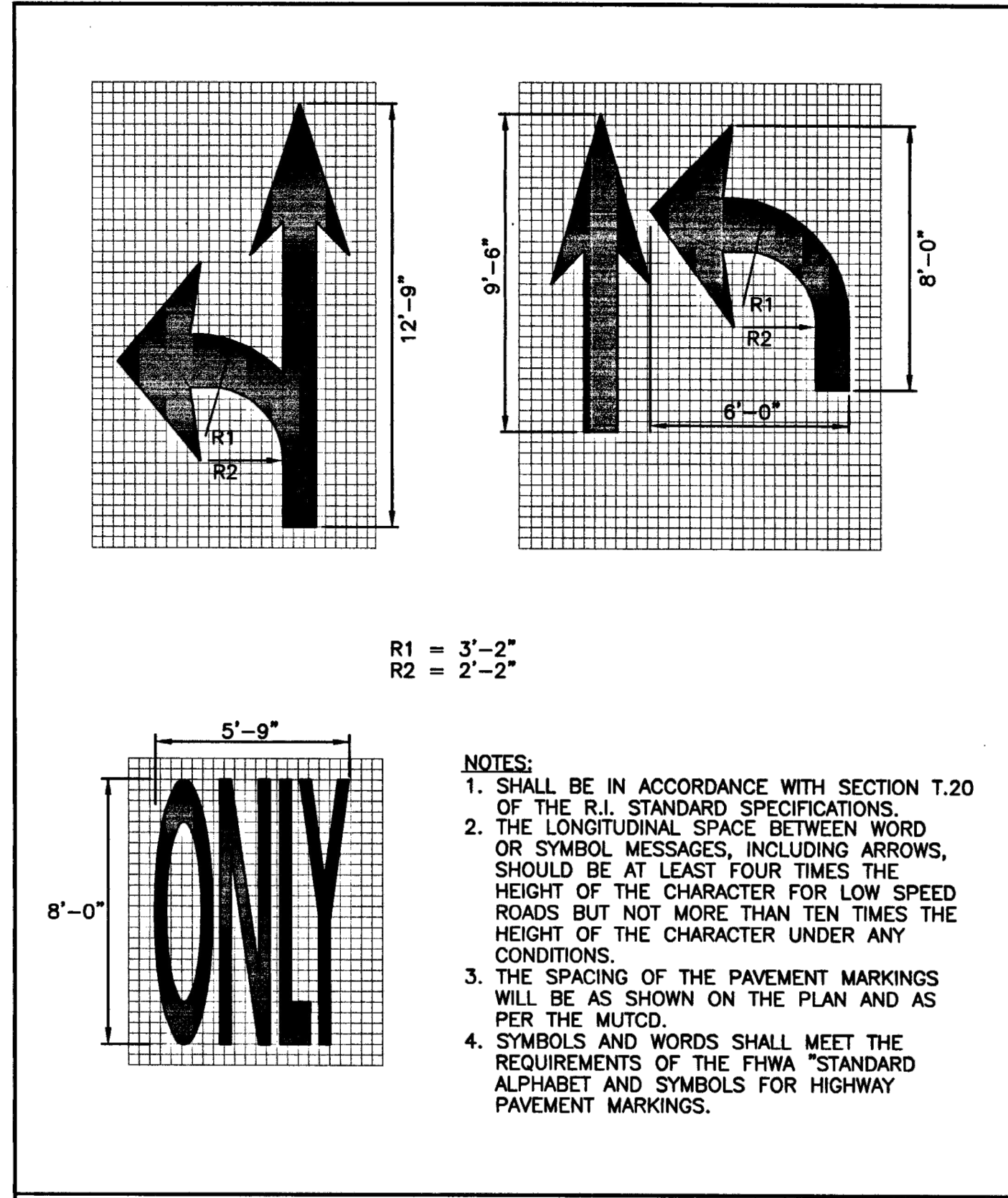
RHODE ISLAND DEPARTMENT OF TRANSPORTATION
DRIVEWAY DEVELOPMENT FOR 6'-0" TRANSITION CURB
R.I. STANDARD 43.4.1
Revisions table with 2 entries (MLP 3/1/05, MLP 6/27/08)

REVISIONS:

PROJECT NO.: 12200.15
DATE: APRIL 2024
SCALE: AS NOTED
DESIGNED BY: JA
CHECKED BY: BMB
DRAWN BY: SP
APPROVED BY: TPT
DRAWING TITLE:

DETAILS 8

DRAWING NO.: C5.8
SHEET NO. 31 OF 31

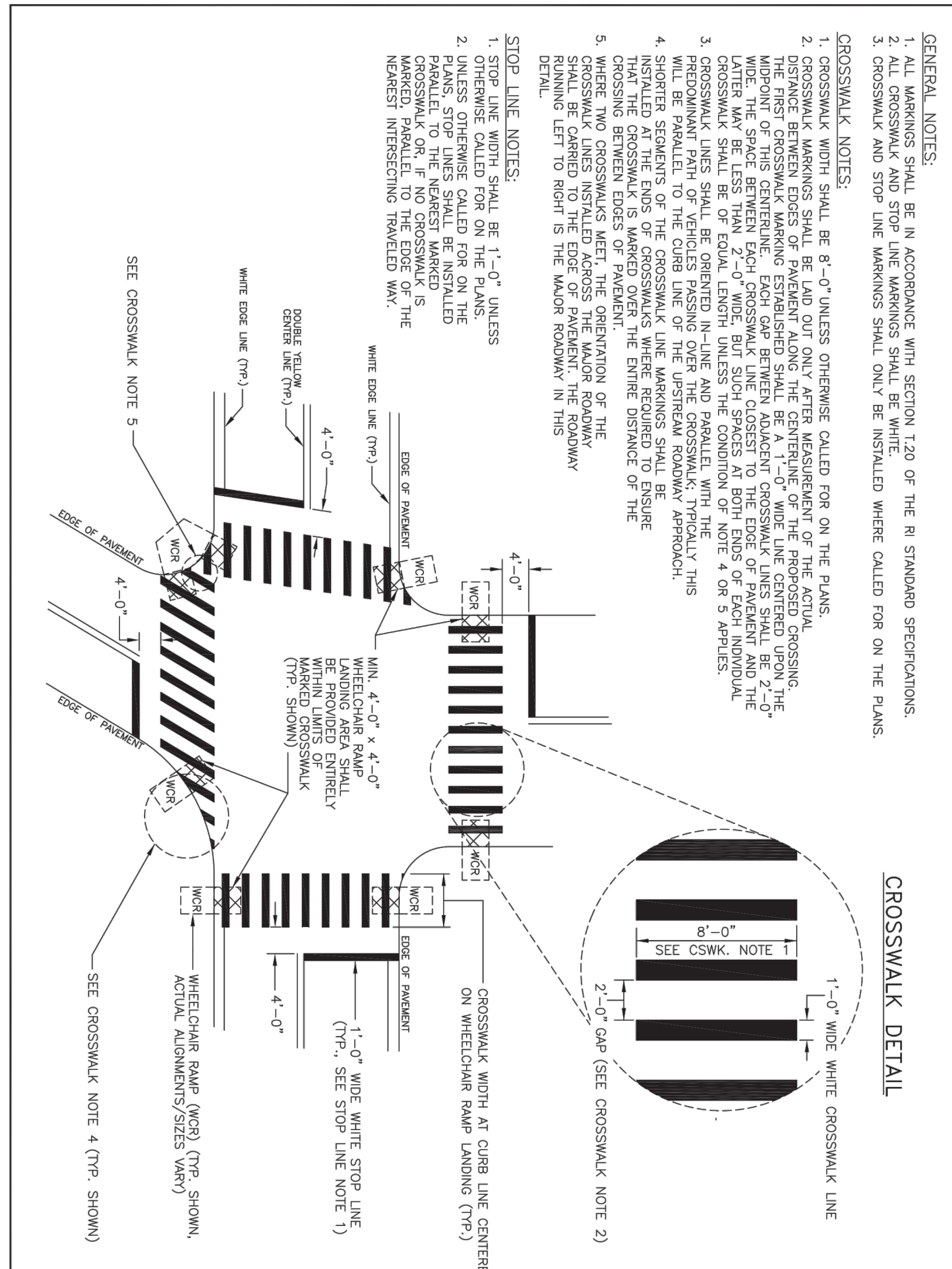


RHODE ISLAND DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS
ARROWS AND ONLY

JUNE 15, 1998

R.I. STANDARD
20.1.0

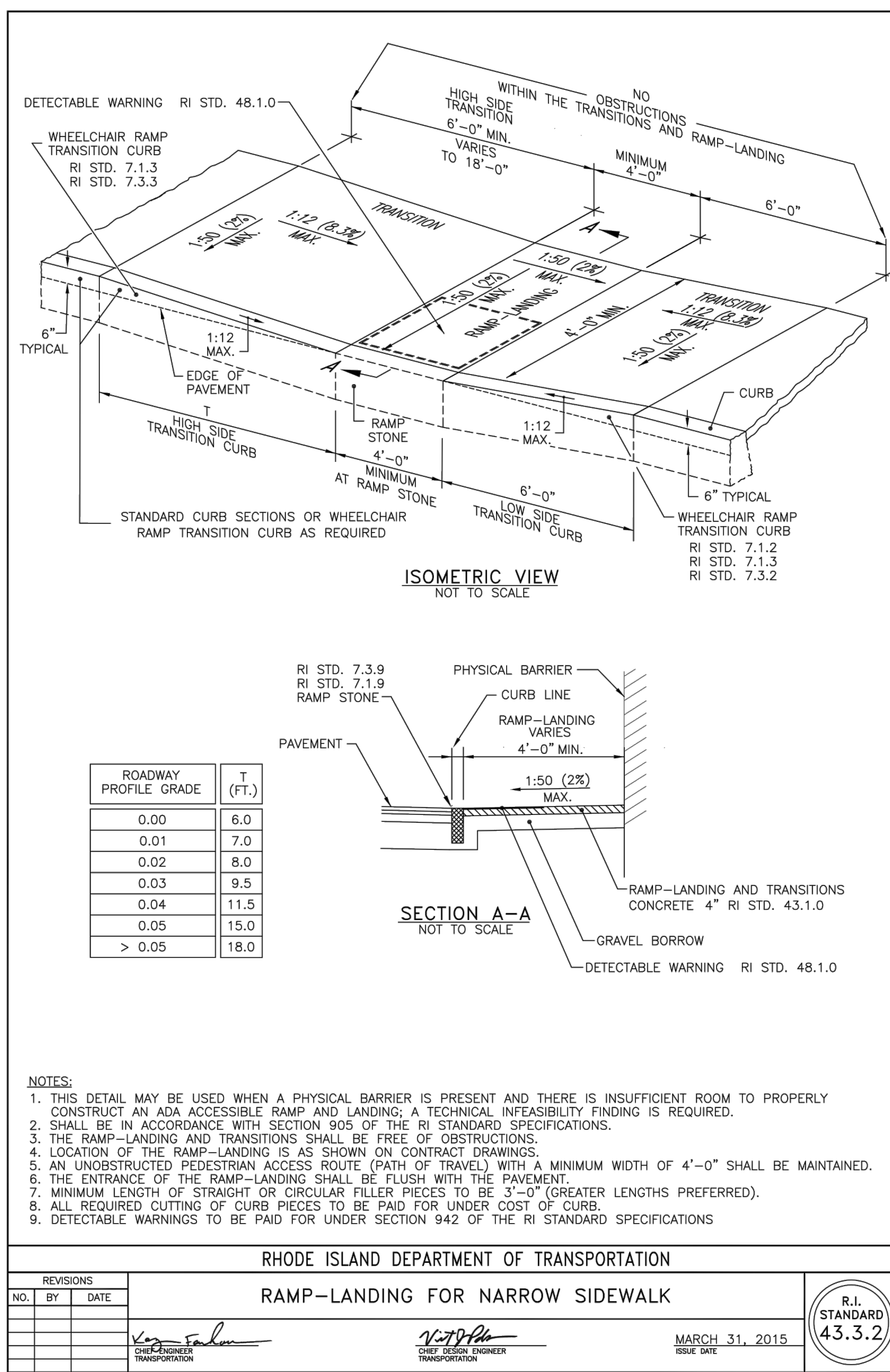


RHODE ISLAND DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS -
CROSSWALKS AND STOP LINES

FEBRUARY 27, 2018

R.I. STANDARD
20.3.0

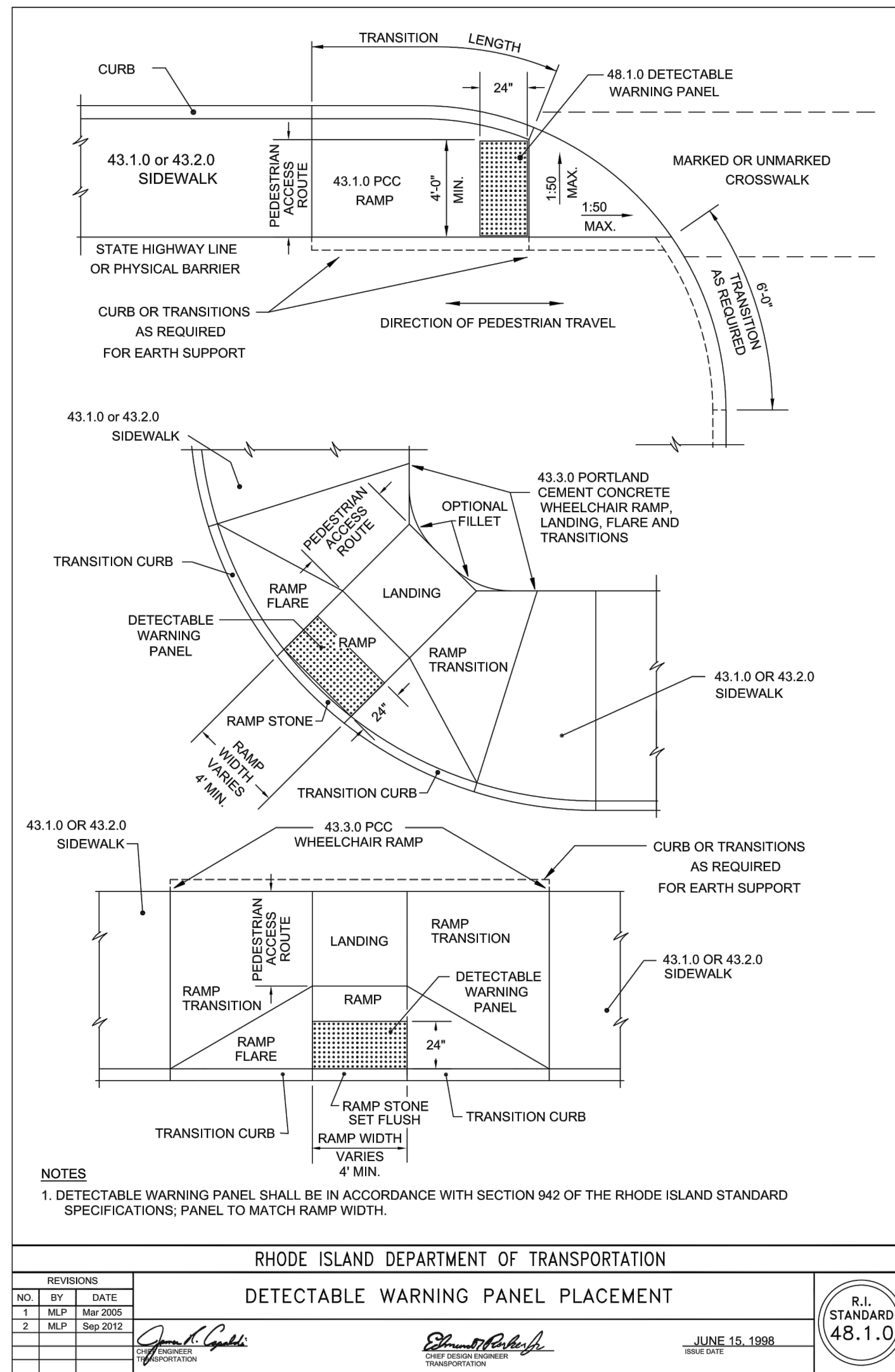


RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RAMP-LANDING FOR NARROW SIDEWALK

MARCH 31, 2015

R.I. STANDARD
43.3.2

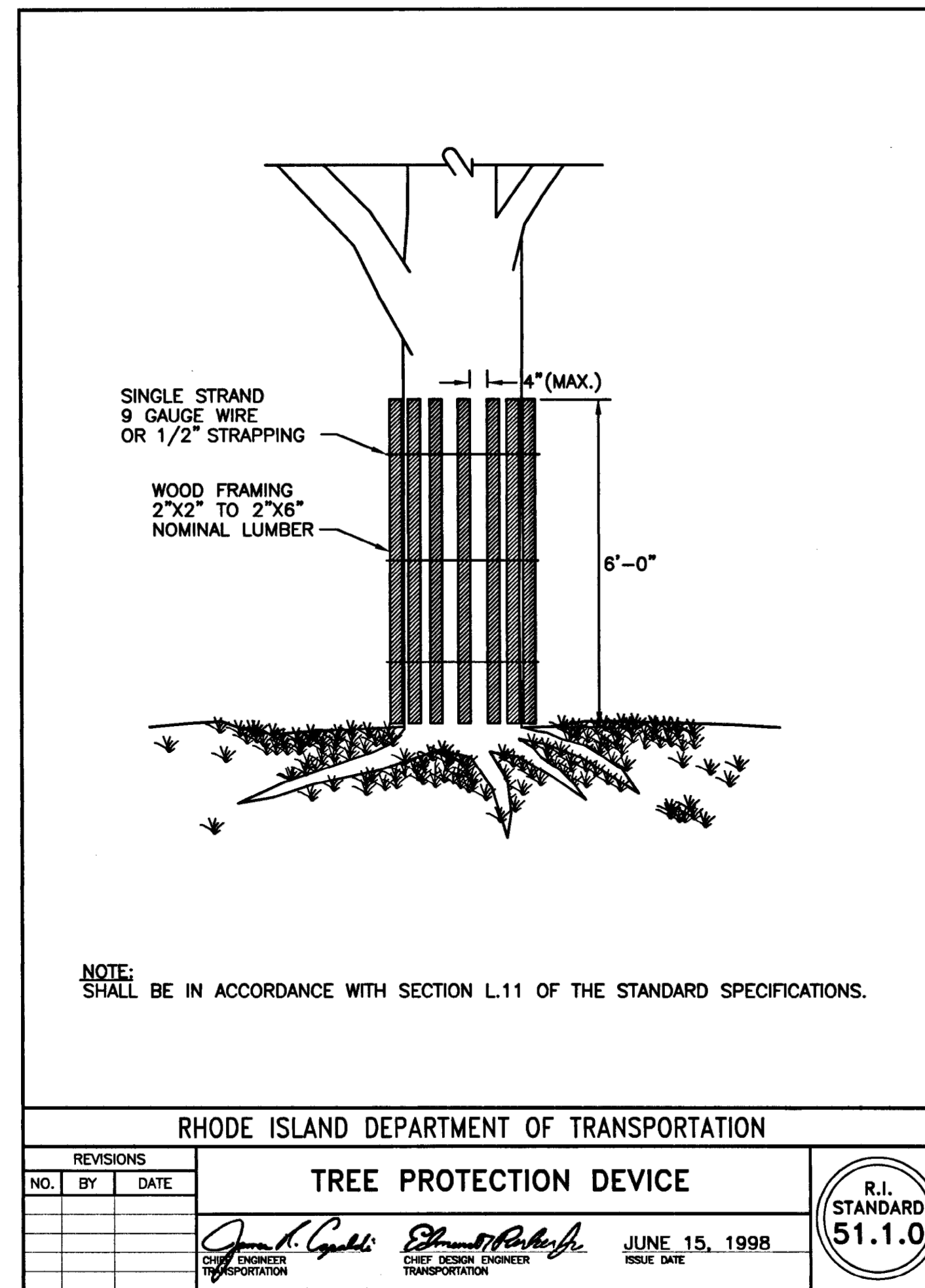


RHODE ISLAND DEPARTMENT OF TRANSPORTATION

DETECTABLE WARNING PANEL PLACEMENT

JUNE 15, 1998

R.I. STANDARD
48.1.0



RHODE ISLAND DEPARTMENT OF TRANSPORTATION

TREE PROTECTION DEVICE

JUNE 15, 1998

R.I. STANDARD
51.1.0