



www.iwengr.com

ADDENDUM NO. 1

To: All Plan Holders of Record and Interested Parties
City of Galena, Illinois
Project: East Side Utility System Improvements
IIW Project No.: 17054
Issue Date: March 12, 2020

ARCHITECTURE
CIVIL ENGINEERING
CONSTRUCTION SERVICES
ENVIRONMENTAL ENGINEERING
LAND SURVEYING
MUNICIPAL ENGINEERING
STRUCTURAL ENGINEERING
TRANSPORTATION ENGINEERING

The following additions, revisions, corrections, and clarifications contained herein shall become part of the Construction Contract Documents for the Project, and shall be included in the Scope of Work and Bid Proposals to be submitted. References made below to Specifications and Construction Drawings shall be used as a general guide only. Bidders shall determine for themselves the full scope of work affected by the Addendum items.

The following Addendum is part of the Construction Contract Documents.

This Addendum consists of the following:

- Addendum No. 1 (2 pages)
- Revised Bid Schedule (1 page)
- Plan Sheet
 - C5.01 (1 page)
 - C5.10 (1 page)
 - C5.11 (1 page)
 - C5.12 (1 page)
 - C5.15 (1 page)
 - C6.01 (1 page)

CHANGES TO CONTRACT DOCUMENTS:

1. **BID SCHEDULE:** The Bid Schedule has been revised to reflect modified quantities for 10" PVC C900 DR 18 Water Main w/ Tracer Wire, 18" PVC Casing, and 20" PVC Casing. Additionally, Item 11 (PCC Sidewalk Remove and Replace) changed from 4" to 5" thickness, Item 16 (PCC Sidewalk) changed from 6" to 7" thickness, and Item 17 (PCC Sidewalk) changed from 4" to 5" thickness. Bidders are required to submit the attached Revised Bid Schedule.

CHANGES TO DRAWINGS:

1. Sheet C5.01: Added water main notes that describe the horizontal and vertical separation between water mains and sewers.
2. Sheet C5.10: The water main alignment and vertical profile from Station 2+25 to 3+40 along Park Avenue was modified and the casing was lengthened. The water main connection at the intersection of Park Avenue and Johnson Street was also modified to meet the horizontal sewer separation requirements of the Illinois EPA.
3. Sheet C5.11: Twenty-three (23) feet of 20-in. PVC DR 25 casing was added to the project to comply with the Illinois EPA vertical separation requirements when the water main crosses beneath a sewer.
4. Sheet C5.12: A profile of the 6-in. water main on Madison Street was added to the plan sheet to indicate the vertical separation requirements when the water main crosses beneath the existing sewer.
5. Sheet C5.15: The location of existing storm sewer at Station 32+35 shown in the profile was moved to depict the correct location of the storm sewer crossing.
6. Sheet C6.01: The typical sidewalk detail was updated. The PCC sidewalk thickness changed from 4" to 5". The PCC driveway thickness changed from 6" to 7".

It is required to acknowledge this addendum on the Bid Proposal Form.

	FOR IIW, P.C. 
	Geoffrey T. Blandin, P.E. License Number 062-057265 Licensed Professional Engineer of Illinois My license renewal date is 11/30/2021 Pages or sheets covered by this seal: Addendum No. 1
	3/12/2020 Date

END OF ADDENDUM NO. 1

BIDDER agrees to perform all the work described in the CONTRACT DOCUMENTS for the following unit prices or indicated sums:

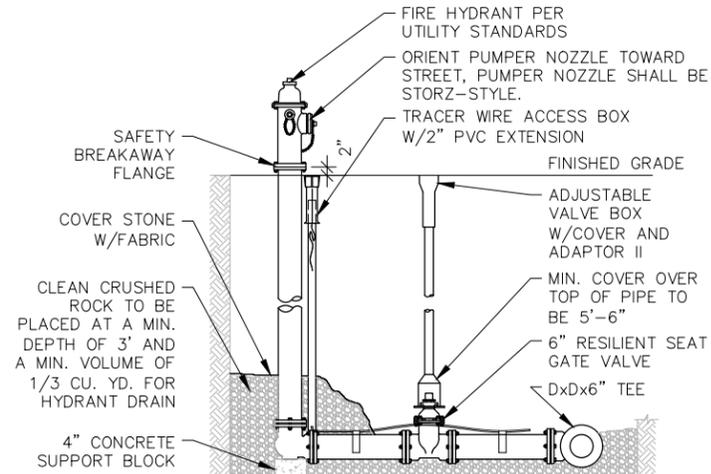
**CITY OF GALENA, ILLINOIS
EAST SIDE UTILITY SYSTEM IMPROVEMENTS**

**BID SCHEDULE
REVISED PER ADDENDUM NO. 1**

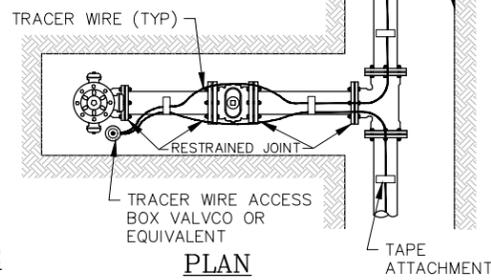
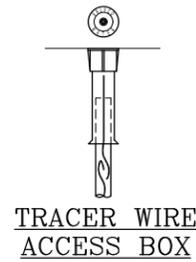
NO.	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE
MISCELLANEOUS				
1	Mobilization & Miscellaneous	1 LS	_____	_____
2	Traffic Control	1 LS	_____	_____
3	Erosion Control	1 LS	_____	_____
4	Topsoil: Strip, Salvage & Respread (4" Thickness)	1 LS	_____	_____
5	Seed, Fertilize & Mulch	1 LS	_____	_____
6	Exploratory Excavation	50 HRS	_____	_____
7	Remove Hydrant	10 EA	_____	_____
			Miscellaneous Subtotal	_____
PAVING				
8	3" HMA Driveway Pavement, Remove and Replace	20 SY	_____	_____
9	HMA Pavement (4" Thickness)	2420 TON	_____	_____
10	PCC Pavment (7" Thickness)	205 SY	_____	_____
11	PCC Sidewalk (5" Thickness, Remove and Replace)	330 SY	_____	_____
12	Stone Base (HMA Pavement & PCC Curb & Gutter)	6610 TON	_____	_____
13	Remove and Replace PCC Curb & Gutter	1685 LF	_____	_____
14	Pavement Removal	10320 SY	_____	_____
15	Full-Depth Sawcut	780 LF	_____	_____
16	PCC Sidewalk (7" Thickness)	12 SY	_____	_____
17	PCC Sidewalk (5" Thickness)	125 SY	_____	_____
18	ADA Sidewalk Detectable Warning	100 SF	_____	_____
			Paving Subtotal	_____
SANITARY SEWER				
19	4" PVC SDR 26 Sanitary Sewer Service Laterals	200 LF	_____	_____
20	8" PVC SDR 26 Sanitary Sewer	810 LF	_____	_____
21	48" I.D. Manhole	16 VF	_____	_____
22	48" Manhole Base	2 EA	_____	_____
23	Connect to Existing Sanitary Sewer Pipe	30 EA	_____	_____
24	Connect to Existing Sanitary Sewer Manhole	2 EA	_____	_____
25	Adjustment to Existing Sanitary Manhole	2 EA	_____	_____
26	Select Trench Backfill - Sanitary Sewer	960 LF	_____	_____
			Sanitary Sewer Subtotal	_____
WATER MAIN				
27	4" PVC C900 DR18 Water Main w/ Tracer Wire	20 LF	_____	_____
28	6" PVC C900 DR18 Water Main w/ Tracer Wire	950 LF	_____	_____
29	8" PVC C900 DR18 Water Main w/ Tracer Wire	500 LF	_____	_____
30	10" PVC C900 DR18 Water Main w/ Tracer Wire	2650 LF	_____	_____
31	6" DIP Hydrant Lead CL 50 w/ Tracer Wire	250 LF	_____	_____
32	16" PVC Casing (Trenched Inc. Spacers, End Seals, etc.)	80 LF	_____	_____
33	18" PVC Casing (Trenched Inc. Spacers, End Seals, etc.)	230 LF	_____	_____
34	20" PVC Casing (Trenched Inc. Spacers, End Seals, etc.)	100 LF	_____	_____
35	16" Steel Casing (Bored and Jacked - Inc. Spacers, End Seals, etc.)	78 LF	_____	_____
36	Boring Set-Up (for 16" Steel Casing)	1 LS	_____	_____
37	Fire Hydrant, Complete	12 EA	_____	_____
38	6" MJ RS Gate Valve	17 EA	_____	_____
39	8" MJ RS Gate Valve	1 EA	_____	_____
40	10" MJ RS Gate Valve	15 EA	_____	_____
41	Water Main Fittings, Compact DI	4920 LBS	_____	_____
42	Connect To Existing Water Main	14 EA	_____	_____
43	1" Water Service Line	1840 LF	_____	_____
44	1" Water Service Line (Directionally Drilled)	100 LF	_____	_____
45	Insulate Pipe at Catch Basin	1 EA	_____	_____
46	1" Curb Stop	63 EA	_____	_____
47	Select Trench Backfill, Water Main	4740 LF	_____	_____
48	1" Corporation Stop with Saddle	63 EA	_____	_____
49	Tracer Wire Access Box	12 EA	_____	_____
			Water Main Subtotal	_____
TOTAL OF BID				_____

This bid schedule accompanies the bid proposal of _____

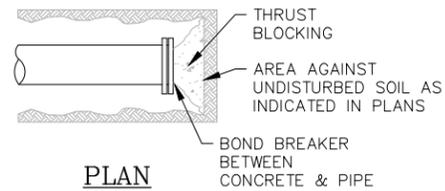
Rev	Description	Date	By
1	ADDENDUM NO. 1	03-10-20	GTB



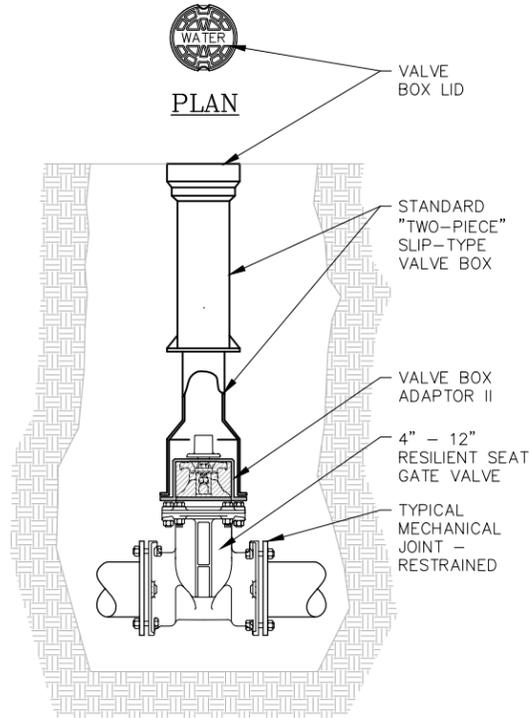
SECTION
 TYPE 3 OR 5 LAYING CONDITION
 FIRE HYDRANT INSTALLATION - RESTRAINED JOINTS OR RODDED TO MAIN
 UNDISTURBED EARTH (TYP)



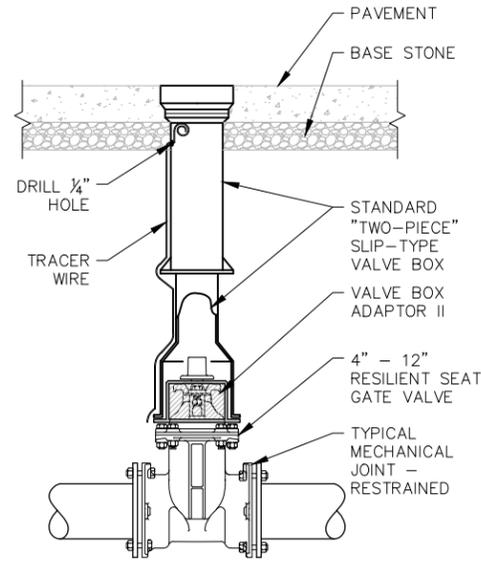
6 FIRE HYDRANT DETAIL
 C5.01 NOT TO SCALE



16 THRUST BLOCK DETAIL
 C5.01 NOT TO SCALE



8 GATE VALVE WITH BOX
 C5.01 NOT TO SCALE



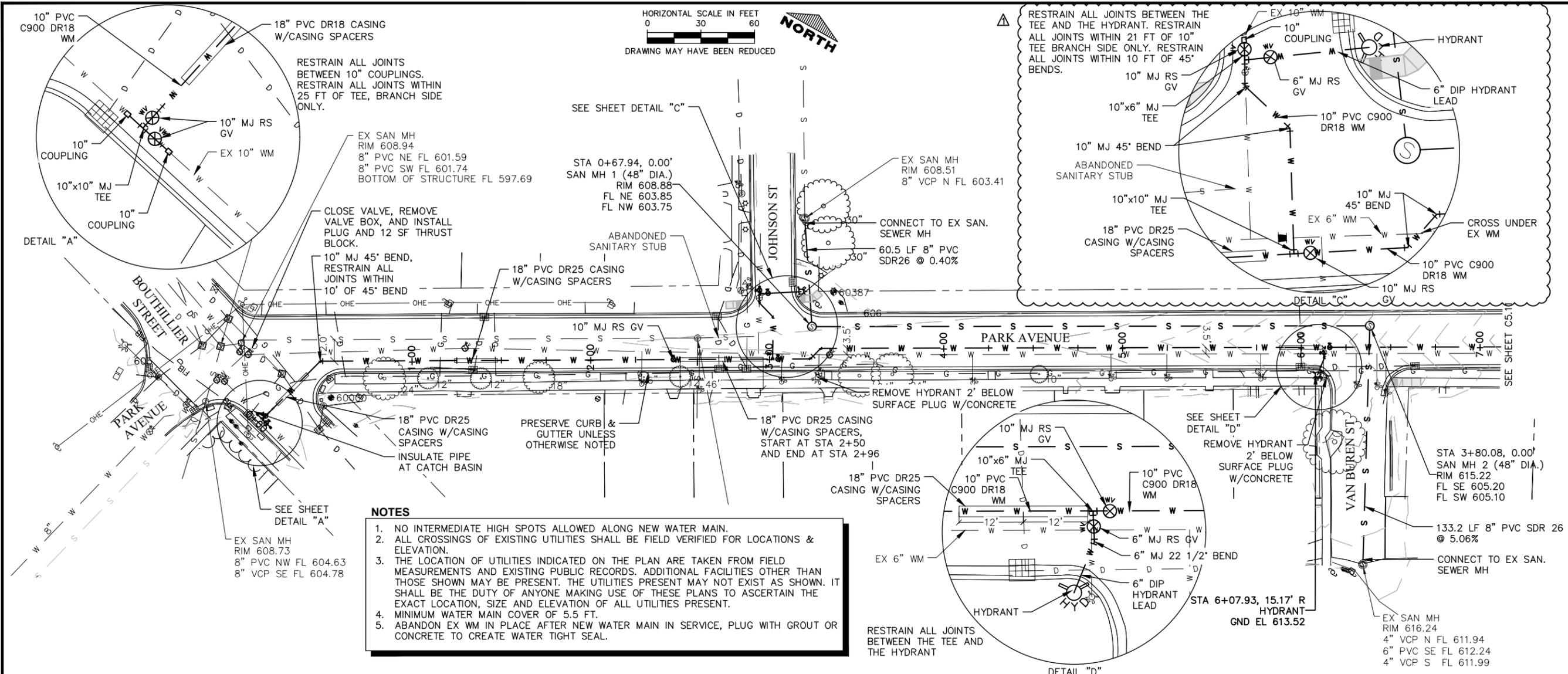
9 GATE VALVE IN PAVEMENT
 C5.01 NOT TO SCALE

WATER MAIN NOTES

1. HORIZONTAL SEPARATION:
 WATER MAINS SHALL BE LOCATED AT LEAST TEN (10) FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED DRAIN, STORM SEWER, SANITARY SEWER, COMBINED SEWER OR SEWER SERVICE CONNECTION. REFER TO STANDARD DRAWING NO. 18 IN THE ILLINOIS STANDARD SPECIFICATIONS FOR WATER & SEWER CONSTRUCTION IN ILLINOIS, 7TH EDITION, 2014.

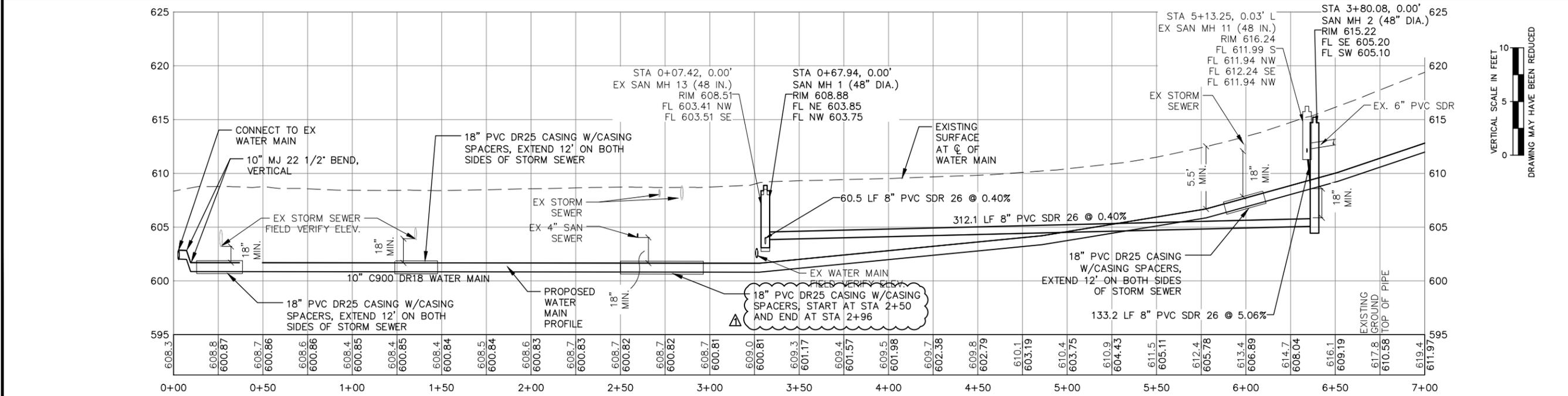
2. VERTICAL SEPARATION:
 A WATER MAIN SHALL BE SEPARATED FROM A SEWER SO THAT ITS INVERT IS A MINIMUM OF EIGHTEEN (18) INCHES ABOVE THE CROWN OF THE DRAIN OR SEWER WHENEVER WATER MAINS CROSS OVER STORM SEWERS, SANITARY SEWERS OR SEWER SERVICE CONNECTIONS. THE VERTICAL SEPARATION SHALL BE MAINTAINED FOR THAT PORTION OF THE WATER MAIN LOCATED WITHIN TEN (10) FEET HORIZONTALLY OF ANY SEWER OR DRAIN CROSSED. A LENGTH OF WATER MAIN PIPE SHALL BE CENTERED OVER THE SEWER TO BE CROSSED WITH JOINTS EQUIDISTANT FROM THE SEWER OR DRAIN.

A VERTICAL SEPARATION OF EIGHTEEN (18) INCHES BETWEEN THE INVERT OF THE SEWER OR DRAIN AND THE CROWN OF THE WATER MAIN SHALL BE MAINTAINED WHERE A WATER MAIN CROSSES UNDER A SEWER. THE WATER MAIN SHALL BE INSTALLED IN A CASING. THE CASING SHALL BE OF WATER MAIN MATERIAL AND HAVE SEALED ENDS. THE CASING SHALL EXTEND A MINIMUM OF 10 FT. ON EACH SIDE OF THE SEWER. SUPPORT THE SEWER OR DRAIN LINES TO PREVENT SETTLING AND BREAKING THE WATER MAIN, REFER TO STANDARD DRAWING NO. 23 IN THE ILLINOIS STANDARD SPECIFICATIONS FOR WATER & SEWER CONSTRUCTION IN ILLINOIS, 7TH EDITION, 2014.



© COPYRIGHT 2019
 ALL RIGHTS RESERVED.
 THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THIS PROJECT ONLY. NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR DISTRIBUTED IN ANY FORM WITHOUT THE PERMISSION OF IIW, P.C. ALL INFORMATION IN THIS DOCUMENT IS CONSIDERED PROPERTY OF IIW, P.C.

WATER MAIN & SANITARY SEWER PLAN & PROFILE
 CITY OF GALENA
 EAST SIDE UTILITY SYSTEM IMPROVEMENTS



Project Description:

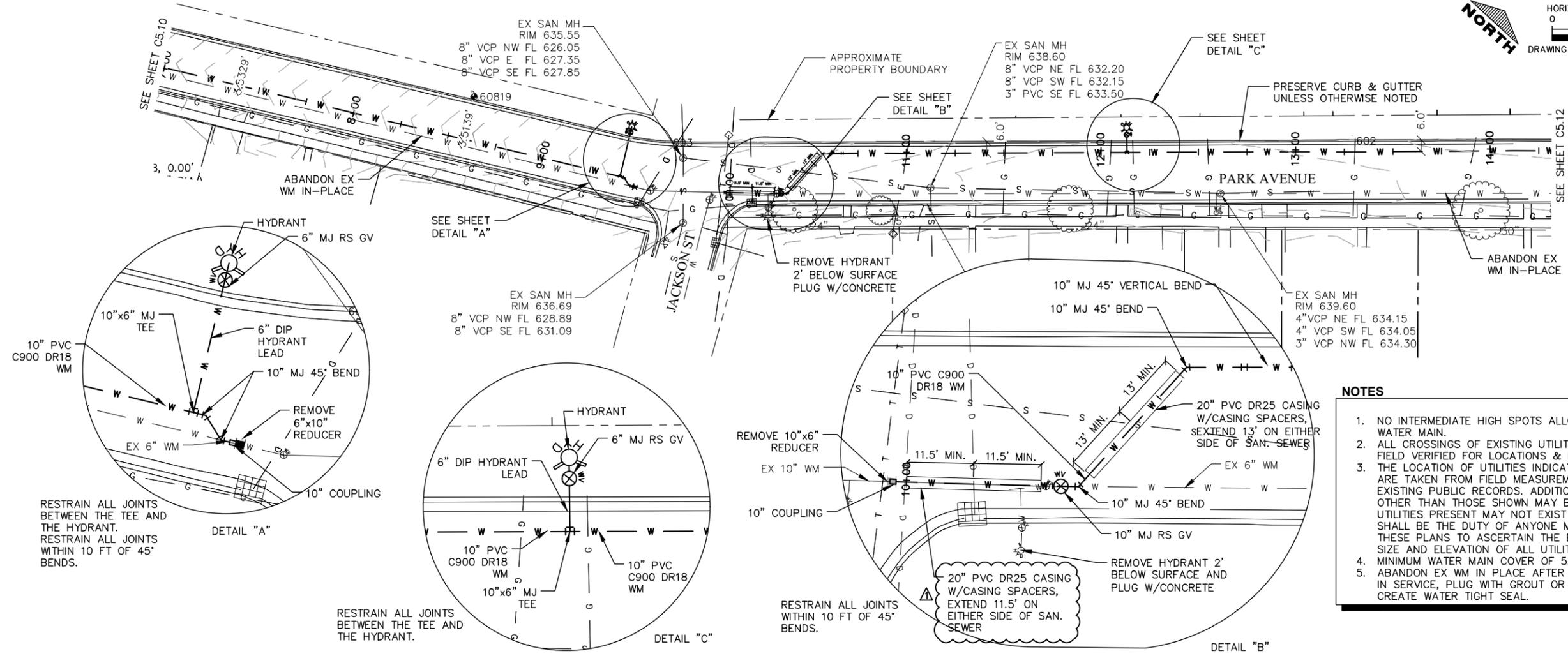
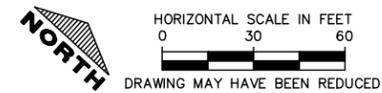
Rev	Date	By
1	03-10-20	GTB

ADDENDUM NO. 1

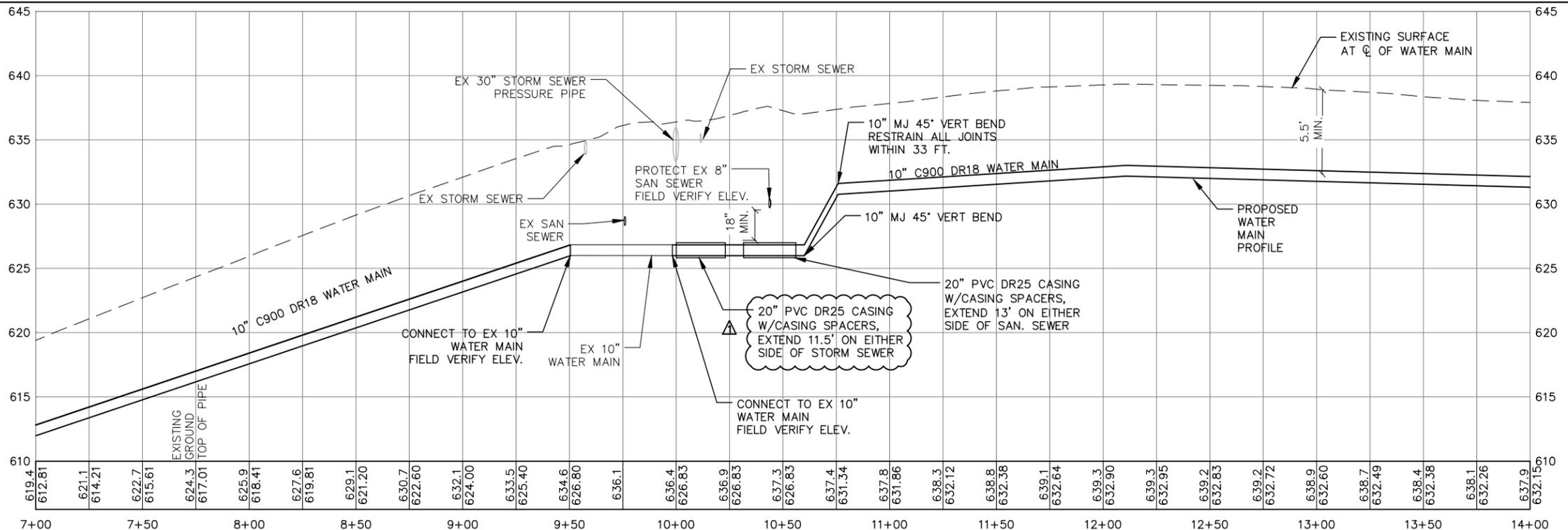
Drawing Issue Information
 Project Mgr: GTB
 Drawn By: MPA
 Issued For Bidding: 12-16-19
 Issued For Construction:

**WATER MAIN & SANITARY SEWER
 PLAN & PROFILE**
 CITY OF GALENA
 EAST SIDE UTILITY
 SYSTEM IMPROVEMENTS

Rev	Description	Date	By
1	ADDENDUM NO. 1	03-10-20	GTB



- NOTES**
1. NO INTERMEDIATE HIGH SPOTS ALLOWED ALONG NEW WATER MAIN.
 2. ALL CROSSINGS OF EXISTING UTILITIES SHALL BE FIELD VERIFIED FOR LOCATIONS & ELEVATION.
 3. THE LOCATION OF UTILITIES INDICATED ON THE PLAN ARE TAKEN FROM FIELD MEASUREMENTS AND EXISTING PUBLIC RECORDS. ADDITIONAL FACILITIES OTHER THAN THOSE SHOWN MAY BE PRESENT. THE UTILITIES PRESENT MAY NOT EXIST AS SHOWN. IT SHALL BE THE DUTY OF ANYONE MAKING USE OF THESE PLANS TO ASCERTAIN THE EXACT LOCATION, SIZE AND ELEVATION OF ALL UTILITIES PRESENT.
 4. MINIMUM WATER MAIN COVER OF 5.5 FT.
 5. ABANDON EX WM IN PLACE AFTER NEW WATER MAIN IN SERVICE, PLUG WITH GROUT OR CONCRETE TO CREATE WATER TIGHT SEAL.



P:\17054\DRAWINGS\CIVIL\17054-22_05_P.DWG 3/5/2020 11:36 AM LYNN NEAL



HORIZONTAL SCALE IN FEET
0 30 60
DRAWING MAY HAVE BEEN REDUCED

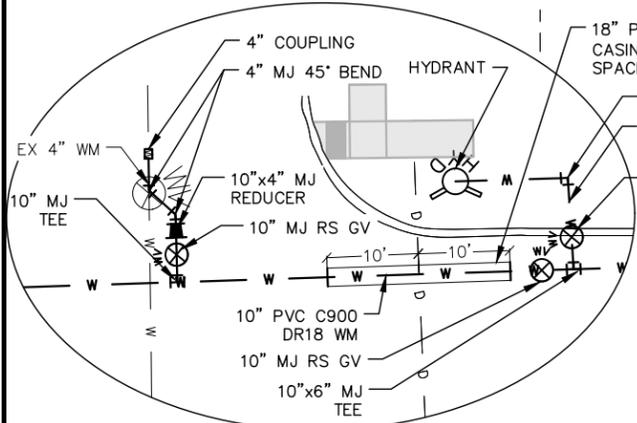
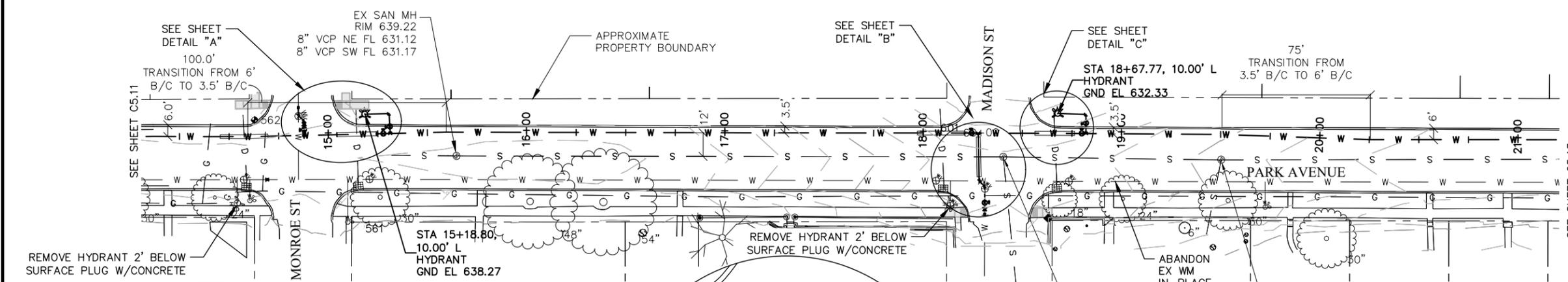
iiw
ARCHITECTURE
CIVIL ENGINEERING
CONSTRUCTION SERVICES
ENVIRONMENTAL ENGINEERING
LAND SURVEYING
MUNICIPAL ENGINEERING
STRUCTURAL ENGINEERING
TRANSPORTATION ENGINEERING
INTEGRITY.EXPERTISE.SOLUTIONS

© COPYRIGHT 2019
ALL RIGHTS RESERVED.
THESE DOCUMENTS HAVE BEEN
PREPARED SPECIFICALLY FOR THIS
PROJECT ONLY. NO PART OF THIS
DOCUMENT MAY BE REPRODUCED
OR DISTRIBUTED IN ANY FORM
WITHOUT THE PERMISSION OF IIW,
P.C. ALL INFORMATION IN THIS
DOCUMENT IS CONSIDERED
PROPERTY OF IIW, P.C.

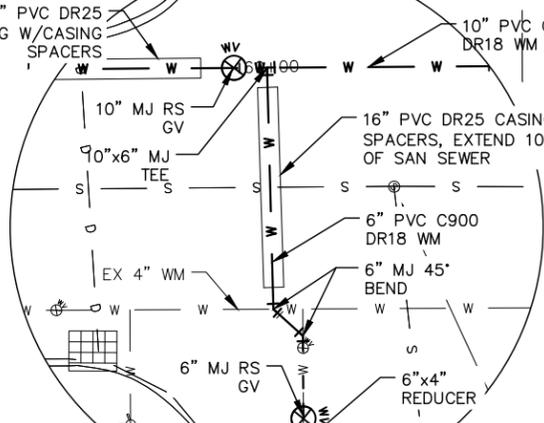
**WATER MAIN & SANITARY SEWER
PLAN & PROFILE**
CITY OF GALENA
EAST SIDE UTILITY
SYSTEM IMPROVEMENTS

Rev	Description	Date	By
A	ADDENDUM NO. 1	03-10-20	GTB

Project No: 17054

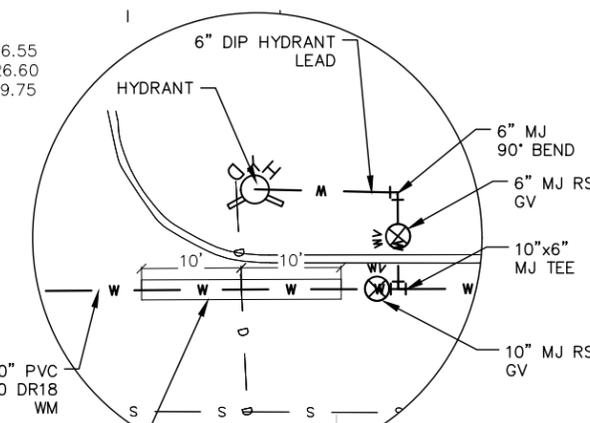


DETAIL "A"
RESTRAIN ALL JOINTS BETWEEN 4" COUPLING AND TEE. RESTRAIN ALL JOINTS WITHIN 10 FEET OF TEE. RESTRAIN ALL JOINTS BETWEEN THE TEE AND THE HYDRANT.

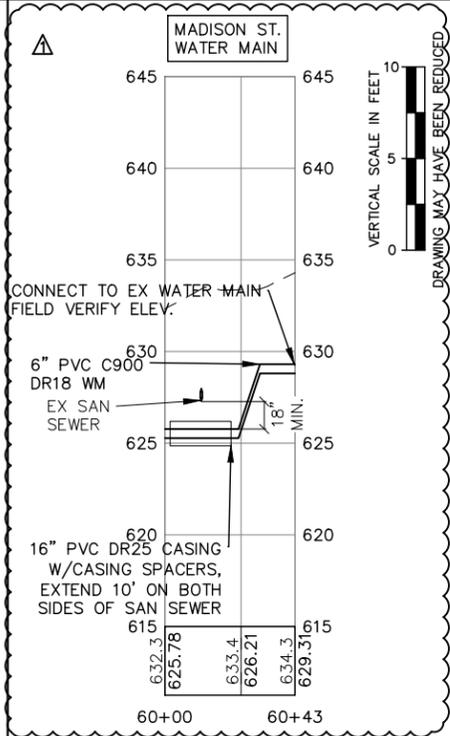
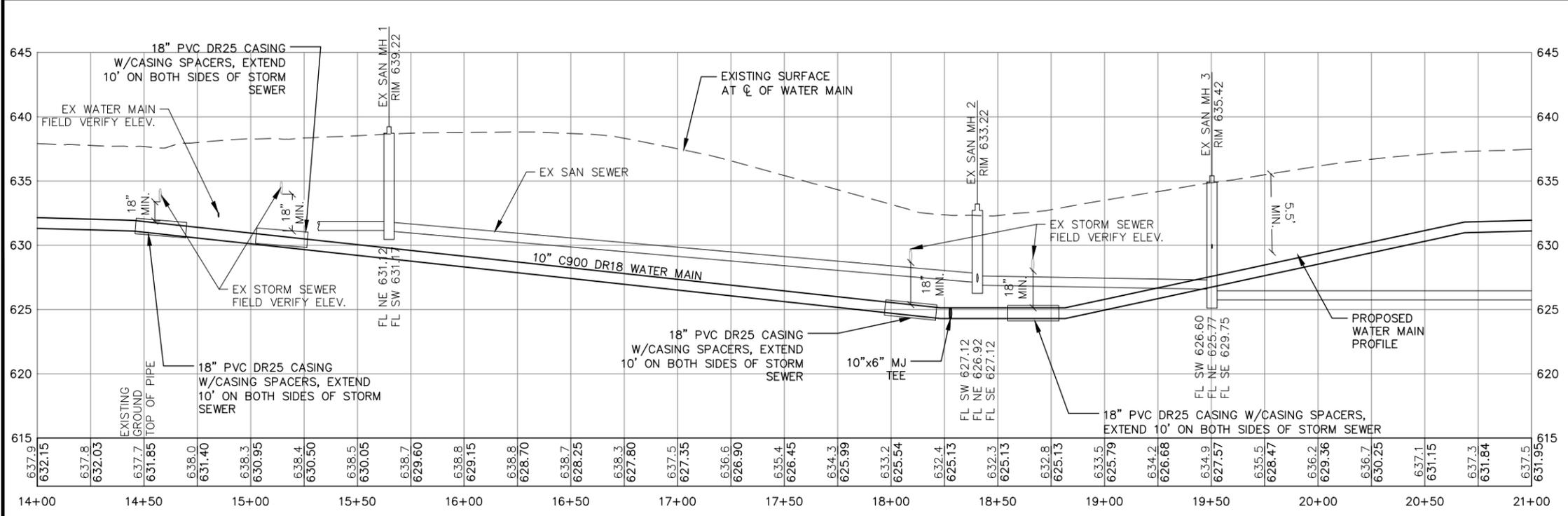


DETAIL "B"
RESTRAIN ALL JOINTS BETWEEN REDUCER AND TEE. RESTRAIN ALL JOINTS WITHIN 10 FEET OF TEE.

- NOTES**
1. NO INTERMEDIATE HIGH SPOTS ALLOWED ALONG NEW WATER MAIN.
 2. ALL CROSSINGS OF EXISTING UTILITIES SHALL BE FIELD VERIFIED FOR LOCATIONS & ELEVATION.
 3. THE LOCATION OF UTILITIES INDICATED ON THE PLAN ARE TAKEN FROM FIELD MEASUREMENTS AND EXISTING PUBLIC RECORDS. ADDITIONAL FACILITIES OTHER THAN THOSE SHOWN MAY BE PRESENT. THE UTILITIES PRESENT MAY NOT EXIST AS SHOWN. IT SHALL BE THE DUTY OF ANYONE MAKING USE OF THESE PLANS TO ASCERTAIN THE EXACT LOCATION, SIZE AND ELEVATION OF ALL UTILITIES PRESENT.
 4. MINIMUM WATER MAIN COVER OF 5.5 FT.
 5. ABANDON EX WM IN PLACE AFTER NEW WATER MAIN IN SERVICE, PLUG WITH GROUT OR CONCRETE TO CREATE WATER TIGHT SEAL.

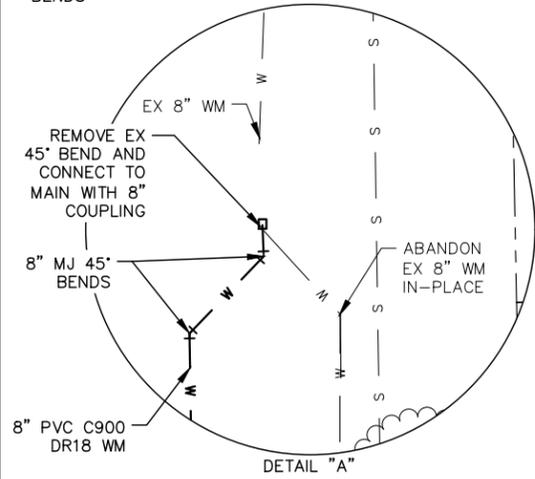


DETAIL "C"
RESTRAIN ALL JOINTS BETWEEN THE TEE AND THE HYDRANT

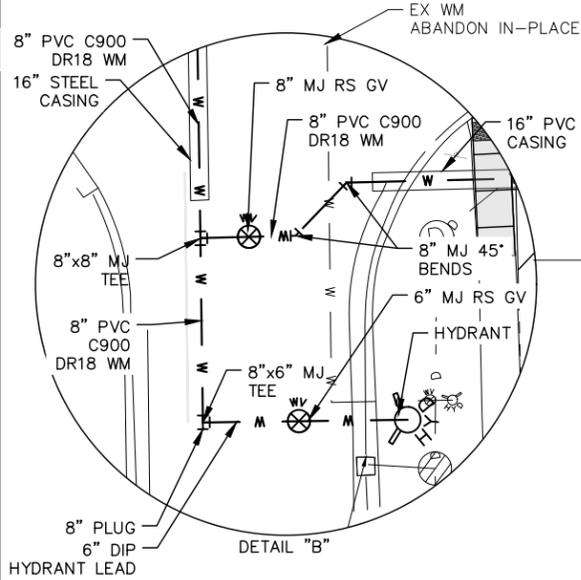


C5.12
Project No: 17054

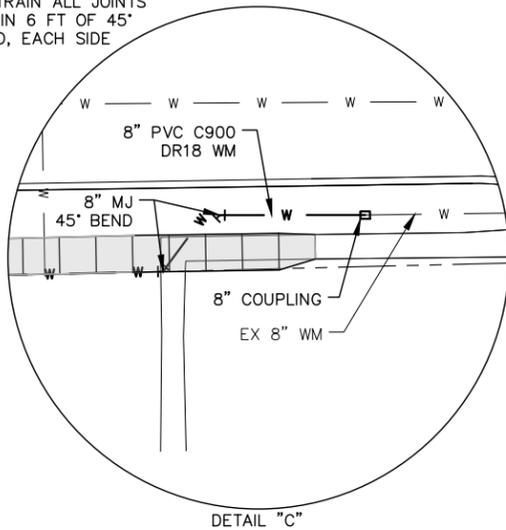
RESTRAIN ALL JOINTS
WITHIN 6 FT OF 45°
BENDS



RESTRAIN ALL JOINTS FROM END OF 16" CASING
TO 8"x6" TEE. RESTRAIN ALL JOINTS BETWEEN
8"x6" TEE TO HYDRANT. RESTRAIN ALL JOINTS
WITHIN 4 FT. OF 8"x8" TEE, BRANCH SIDE.
RESTRAIN ALL JOINTS WITHIN 6 FT OF 45° BENDS

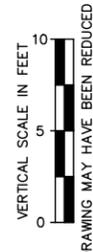
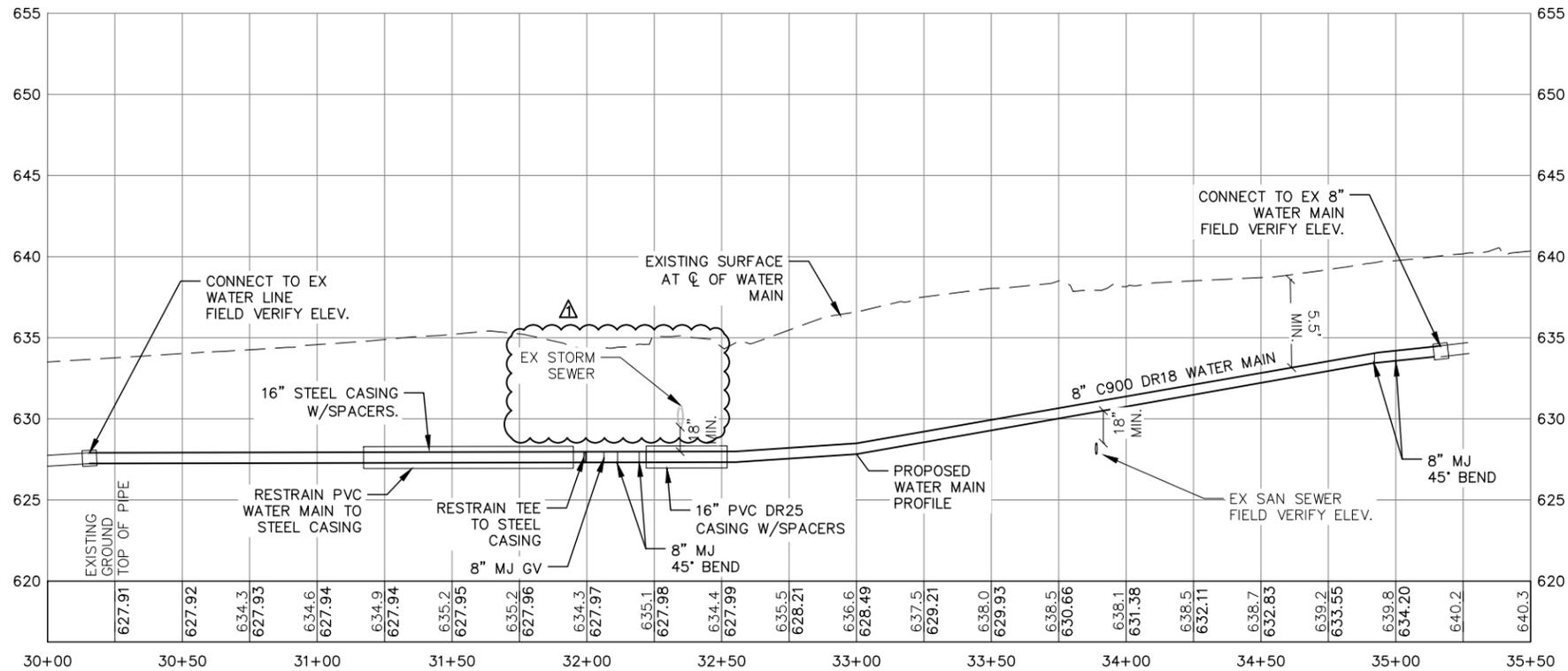
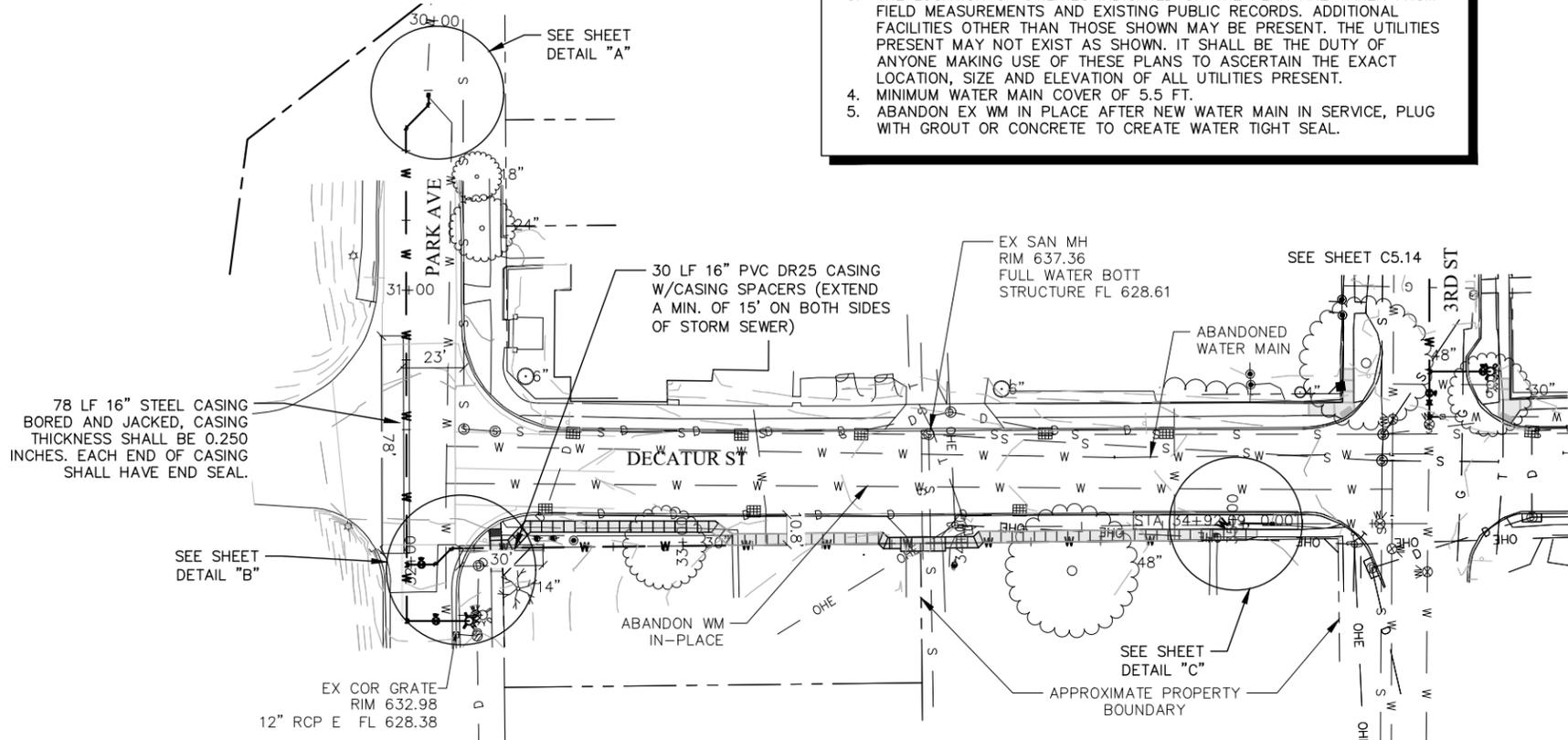


RESTRAIN ALL JOINTS
WITHIN 6 FT OF 45°
BEND, EACH SIDE



NOTES

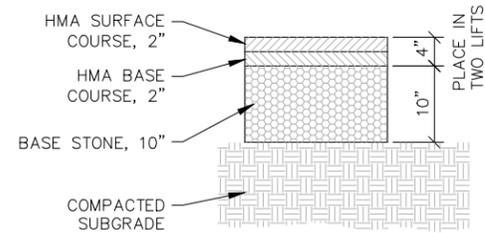
1. NO INTERMEDIATE HIGH SPOTS ALLOWED ALONG NEW WATER MAIN.
2. ALL CROSSINGS OF EXISTING UTILITIES SHALL BE FIELD VERIFIED FOR LOCATIONS & ELEVATION.
3. THE LOCATION OF UTILITIES INDICATED ON THE PLAN ARE TAKEN FROM FIELD MEASUREMENTS AND EXISTING PUBLIC RECORDS. ADDITIONAL FACILITIES OTHER THAN THOSE SHOWN MAY BE PRESENT. THE UTILITIES PRESENT MAY NOT EXIST AS SHOWN. IT SHALL BE THE DUTY OF ANYONE MAKING USE OF THESE PLANS TO ASCERTAIN THE EXACT LOCATION, SIZE AND ELEVATION OF ALL UTILITIES PRESENT.
4. MINIMUM WATER MAIN COVER OF 5.5 FT.
5. ABANDON EX WM IN PLACE AFTER NEW WATER MAIN IN SERVICE, PLUG WITH GROUT OR CONCRETE TO CREATE WATER TIGHT SEAL.



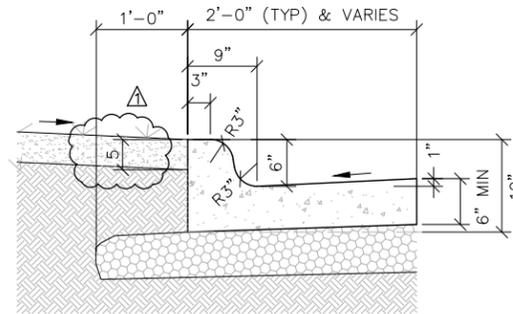
© COPYRIGHT 2019
ALL RIGHTS RESERVED.
THESE DOCUMENTS HAVE BEEN
PREPARED SPECIFICALLY FOR THIS
PROJECT ONLY. NO PART OF THIS
DOCUMENT MAY BE REPRODUCED
OR DISTRIBUTED IN ANY FORM
WITHOUT THE PERMISSION OF IIW,
P.C. ALL INFORMATION IN THIS
DOCUMENT IS CONSIDERED
PROPERTY OF IIW, P.C.

**WATER MAIN & SANITARY SEWER
PLAN & PROFILE
CITY OF GALENA
EAST SIDE UTILITY
SYSTEM IMPROVEMENTS**

Rev	Description	Date	By
1	ADDENDUM NO. 1	03-10-20	GTB

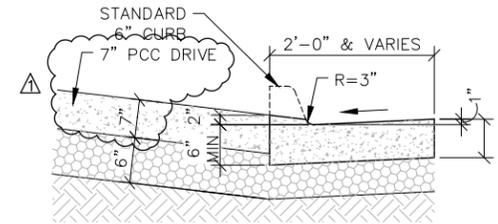


1 HMA PATCH
C6.01 NOT TO SCALE



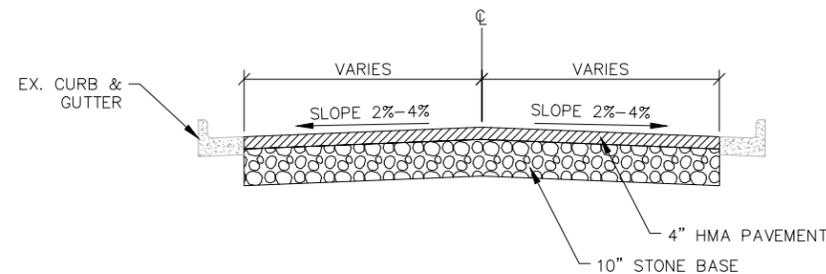
NOTE:
1. CURB AND GUTTER TO MATCH EXISTING.
(B6.18 TYP)

2 CURB & GUTTER - STANDARD
C6.01 NOT TO SCALE

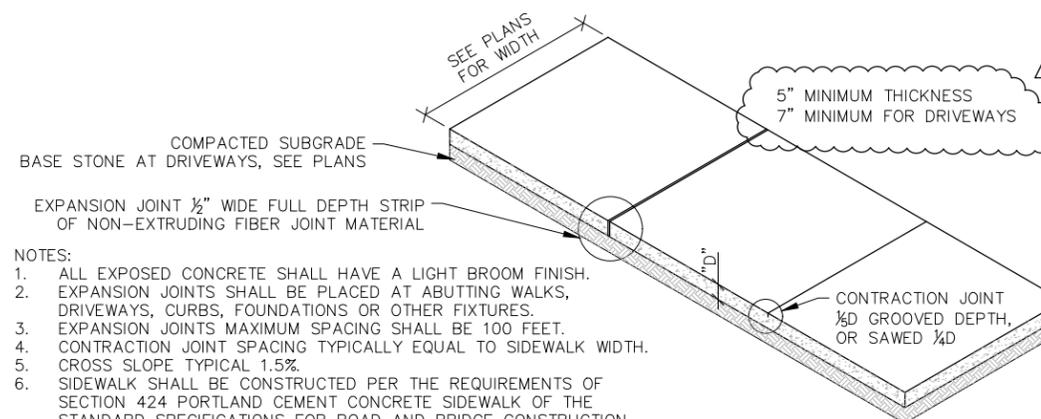


NOTE:
1. CURB AND GUTTER TO MATCH EXISTING.

3 CURB & GUTTER - DROP CURB @ DRIVE
C6.01 NOT TO SCALE



4 HMA PAVING REPLACEMENT
C6.01 NOT TO SCALE



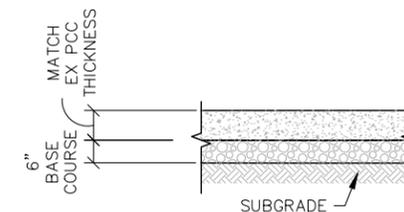
- NOTES:
1. ALL EXPOSED CONCRETE SHALL HAVE A LIGHT BROOM FINISH.
 2. EXPANSION JOINTS SHALL BE PLACED AT ABUTTING WALKS, DRIVEWAYS, CURBS, FOUNDATIONS OR OTHER FIXTURES.
 3. EXPANSION JOINTS MAXIMUM SPACING SHALL BE 100 FEET.
 4. CONTRACTION JOINT SPACING TYPICALLY EQUAL TO SIDEWALK WIDTH.
 5. CROSS SLOPE TYPICAL 1.5%.
 6. SIDEWALK SHALL BE CONSTRUCTED PER THE REQUIREMENTS OF SECTION 424 PORTLAND CEMENT CONCRETE SIDEWALK OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SERIES 2016, ILLINOIS DEPARTMENT OF TRANSPORTATION.
 7. CONTRACTOR IS RESPONSIBLE FOR MEETING ALL ADA SIDEWALK AND CROSSING REQUIREMENTS.

9 TYPICAL SIDEWALK
C6.01 NOT TO SCALE

LEGEND

	HMA PAVEMENT
	FULL DEPTH PPC PATCH
	PCC SIDEWALK

ILLINOIS DOT HIGHWAY STANDARD DETAILS	
STANDARD	TITLE
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-04	DIAGONAL CURB RAMP FOR SIDEWALKS
424016-05	MID-BLOCK CURB RAMP FOR SIDEWALKS
424021-05	DEPRESSED CORNER FOR SIDEWALKS
424026-03	ENTRANCE/ALLEY PEDESTRIAN CROSSING
442001-04	CLASS A PATCHES



PCC PAVEMENT PATCH SECTION

- NOTES:
1. PCC PAVEMENT PATCHES SHALL BE CONSTRUCTED PER THE REQUIREMENTS OF SECTION 442 PAVEMENT PATCHING, OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SERIES 2016, ILLINOIS DEPARTMENT OF TRANSPORTATION.

20 PAVING SECTIONS
C6.01 NOT TO SCALE

Drawing Issue Information	Drawn By: MPA	Date	By
Project Mgr: GTB	Issued For Construction:	03-10-20	GTB
Issued For Bidding: 12-16-19			
ADDENDUM NO. 1	Description		
Rev			