00 91 13

ADDENDUM NO. 4

DATE: December 6, 2022

FROM: Baxter & Woodman, Inc., Consulting Engineers

TO: Planholders of record for the Work titled:

City of Joliet, Illinois
Collins Street Water Main Improvements
City of Joliet Contract No. 2681-0123

The Bidding Documents are amended as follows:

1. DRAWINGS

   A. Delete Sheet 32 in its entirety, and insert the attached Sheet 32, revision dated December 6, 2022.

   B. Delete Sheet 33 in its entirety, and insert the attached Sheet 33, revision dated December 6, 2022.

   C. Delete Sheet 34 in its entirety, and insert the attached Sheet 34, revision dated December 6, 2022.

2. SPECIFICATIONS

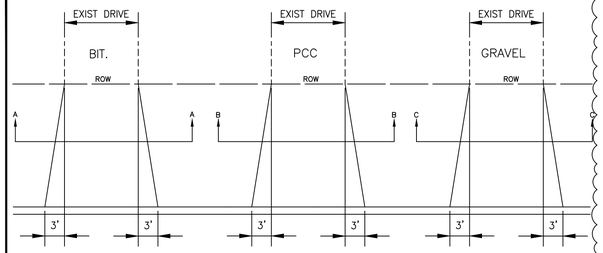
   A. Section 01 22 29, MEASUREMENT AND PAYMENT:

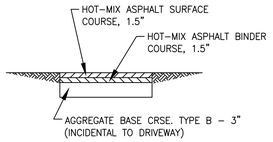
      Page 01 22 29-5, after paragraph 1.7 A.11 insert the following:

      “12. Field lock gaskets for restrained joint type (RJT) pipe will be provided by the City of Joliet.”

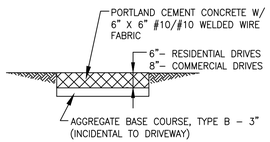
Nothing in this Addendum shall be construed as changing other requirements of the Bidding Documents. Each Bidder shall acknowledge receipt of this Addendum by stating this on the outside of the SEALED bid package. BID PROPOSALS SHALL NOT BE OPENED WITHOUT ACKNOWLEDGEMENT OF RECEIPT OF ALL ADDENDUMS FOR THE GIVEN CONTRACT.

END OF ADDENDUM NO. 4

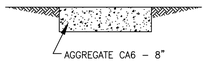




SECTION – A
HOT-MIX ASPHALT



SECTION – B
P.C.C



SECTION – C
GRAVEL

NOTES:

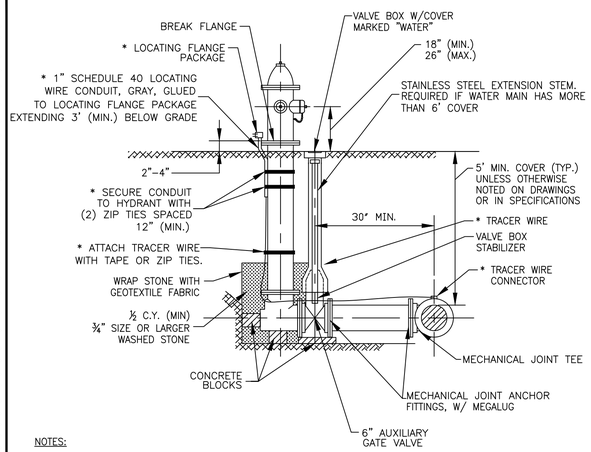
1. APRON: 8:1 SLOPE FROM FRONT OF SIDEWALK TO BACK OF CURB.
2. SIDEWALK: 1/4" / FT SLOPE

NOT TO SCALE

CITY OF JOLIET, ILLINOIS

DRIVEWAY PAVEMENT DETAIL
PVT-01

DATE: OCT. 2017



NOTES:

1. MUELLER CENTURION A423, CLOW MEDALLION OR E.J. 5BR250 (RED FOR MUNICIPAL TREATED WATER, GREEN FOR RAW WATER, YELLOW FOR PRIVATE HYDRANTS)
2. HYDRANTS SHALL BE LOCATED A MINIMUM OF 2 FEET BEHIND THE BACK OF CURB IN LOCATIONS SHOWN ON THE DRAWINGS
3. USE SWIVEL TEE AS CALLED OUT ON PLANS. 30" MINIMUM SEPARATION DOES NOT APPLY WHEN USING SWIVEL TEES.
*4. LOCATING WIRE CONDUIT TO BE RIGID PIPE FORMED TO HYDRANT OR TOP 18" TO BE RIGID, WITH 12" (MAX.) FLEXIBLE CONDUIT BELOW, TRANSITIONING BACK TO RIGID CONDUIT.
*5. LOCATING FLANGE PACKAGE TO BE RED COLOR COPPERHEAD INDUSTRIES COBRA HYDRANT PACKAGE PART # T1-FLPKG OR APPROVED EQUAL

* FOR PVC WATER MAIN INSTALLATION ONLY

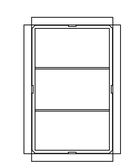
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NOT TO SCALE

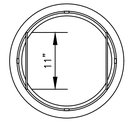
CITY OF JOLIET, ILLINOIS

FIRE HYDRANT DETAIL
WTR-03

DATE: NOVEMBER 2022

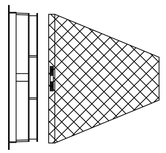


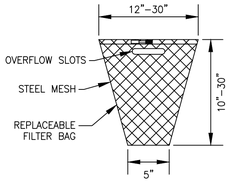
PLAN





SECTION





GENERAL NOTES:

FRAME: TOP RING CONSTRUCTED FROM 1 1/4" x 1 1/4" x 1/8" ANGLE. BASE RING CONSTRUCTED OF 1 1/2" x 1/2" x 1/8" CHANNEL. HANDLES & SUSPENSION BRACKETS CONSTRUCTED FROM 1/4" x 1 1/4" FLAT. ALL STEEL CONFORMING TO ASTM-A36.

REPLACEABLE BAG: CONSTRUCTED FROM 4 OZ./SQ. YD. NON-WOVEN POLYPROPYLENE GEOTEXTILE REINFORCED WITH POLYESTER MESH. CONNECTED TO BASE RING WITH STAINLESS STEEL STRAP & LOCK.

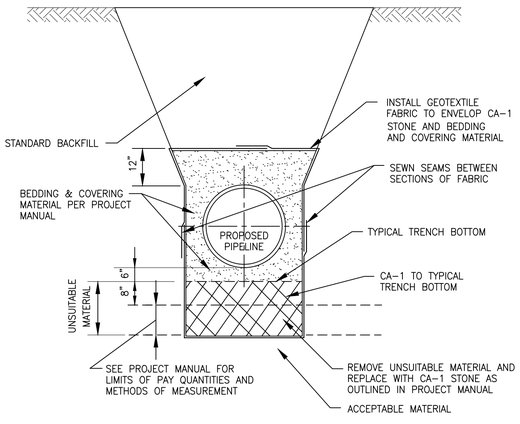
STEEL MESH: REMOVABLE STAINLESS STEEL MESH STRAINER BASKET. 1/4" DIA. HOLE SIZE, 58% OPEN AREA.

NOT TO SCALE

CITY OF JOLIET, ILLINOIS

INLET PROTECTION FILTER DETAIL
GEN-02

DATE: OCT. 2017



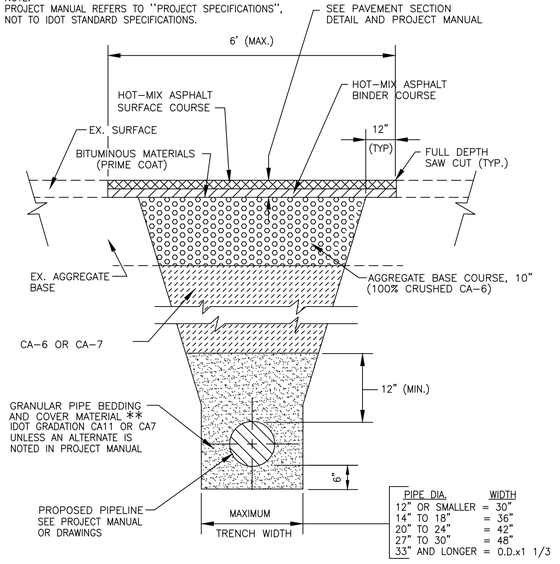
NOT TO SCALE

CITY OF JOLIET, ILLINOIS

OPEN CUT PIPELINE INSTALLATION UNSUITABLE MATERIAL REMOVAL/REPLACEMENT
GEN-03

DATE: OCT. 2017

NOTE:
PROJECT MANUAL REFERS TO "PROJECT SPECIFICATIONS", NOT TO IDOT STANDARD SPECIFICATIONS.



PIPE DIA.	WIDTH
12" OR SMALLER	= 30"
14" TO 18"	= 36"
20" TO 24"	= 42"
27" TO 30"	= 48"
33" AND LONGER	= O.D.x1 1/3

FOR PAVEMENT WITH AGGREGATE BASE AND COMPACTED GRANULAR BACKFILL MATERIAL

** FOR FLEXIBLE THERMOPLASTIC PIPE COMPLY WITH ASTM D2321, CLASS IA, IB, OR II., (IDOT GRADATION CA15)

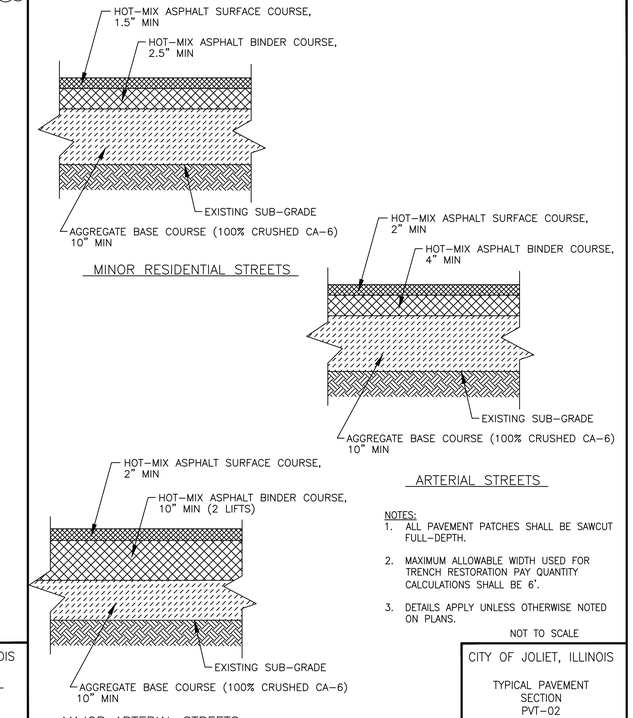
FOR RIGID PIPE COMPLY WITH ASTM C12, BEDDING CLASS B.

NOT TO SCALE

CITY OF JOLIET, ILLINOIS

TYPICAL TRENCH DETAIL PAVEMENT AREA AGGREGATE BASE
GEN-04

DATE: OCT. 2017



NOTES:

1. ALL PAVEMENT PATCHES SHALL BE SAWCUT FULL-DEPTH.
2. MAXIMUM ALLOWABLE WIDTH USED FOR TRENCH RESTORATION PAY QUANTITY CALCULATIONS SHALL BE 6'.
3. DETAILS APPLY UNLESS OTHERWISE NOTED ON PLANS.

NOT TO SCALE

CITY OF JOLIET, ILLINOIS

TYPICAL PAVEMENT SECTION
PVT-02

DATE: OCT. 2017

FINAL DESIGN FOR BIDDING

P:\JOLTC\211917-2023 WATER MAIN PROGRAM\CAD\COLLINS STREET\01_CIVIL 3D\01_SHTS-PLANS\211917-COVER_GEN_DETS-COLLINS STREET.DWG DETAILS 1
Plotted: 12/6/2022 3:37 PM By: ANACINO
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BAXTER & WOODMAN Consulting Engineers

CONSULTANTS	REVISED - 1 ADDENDUM #4 12/6/22
	REVISED -
	REVISED -
	REVISED -

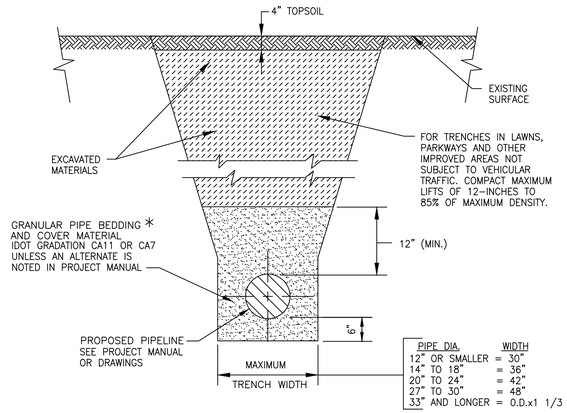
CITY OF JOLIET, ILLINOIS
COLLINS STREET WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2681-0123

DETAILS

SCALE: AS NOTED | PROJECT NO: 211917

		TOTAL SHEETS	SHEET NO.
DESIGNED - WJW			
DRAWN - JJS			
CHECKED - PMK		38	32
DATE - 10/27/2022			

NOTES:
1. PROJECT MANUAL REFERS TO "PROJECT SPECIFICATIONS", NOT TO IDOT STANDARD SPECIFICATIONS.
2. FARM FIELDS, GARDENS, AND WETLAND AREAS MAY REQUIRE STRIPPING, STOCKPILING, AND REPLACING ORIGINAL MATERIAL TO A SPECIFIC DEPTH. SEE PROJECT MANUAL OR GENERAL NOTES FOR REQUIREMENTS.



PIPE DIA.	WIDTH
12" OR SMALLER	= 30"
14" TO 18"	= 36"
20" TO 24"	= 42"
27" TO 30"	= 48"
33" AND LONGER	= O.D.x1 1/3

FOR NON-PAVED AREAS

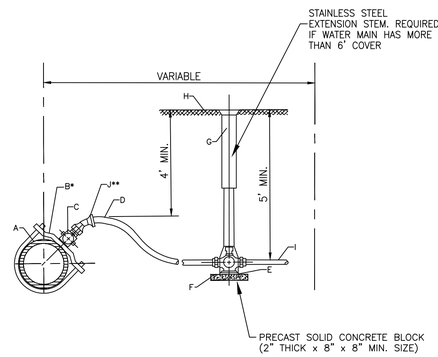
* FOR HDPE PIPE COMPLY WITH ASTM 2321, CLASS I OR II. FOR RIGID PIPE COMPLY WITH ASTM C12, BEDDING CLASS B.

NOT TO SCALE

CITY OF JOLIET, ILLINOIS

TYPICAL TRENCH DETAIL
NON PAVED AREAS
GEN-05

DATE: OCT. 2017



*REQUIRED FOR SERVICES LARGER THAN 1"
**REQUIRED FOR SERVICES WITH LESS THAN 4' COVER

CONSTRUCTION NOTES

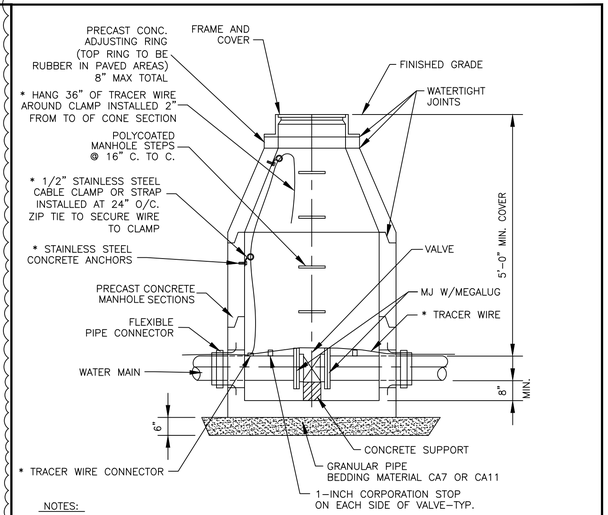
NOTE: FOR 1 1/2" OR 2" SERVICE, ADD ENLARGED BASE FOR SERVICE BOX.

NOT TO SCALE

CITY OF JOLIET, ILLINOIS

WATER SERVICE CONNECTION DETAIL
WTR-06

DATE: OCT. 2020



NOTES:
1. CONCENTRIC CONE REQUIRED FOR GATE VALVES, ECCENTRIC CONE REQUIRED FOR BUTTERFLY VALVES.
2. USE 4'-0" DIAMETER FOR WATER MAIN SIZES 4" THRU 10", 5'-0" FOR SIZES 12" OR GREATER
3. PROVIDE CAST IRON FRAME AND COVER WITH HEAVY DUTY LID, STAMPED WITH "CITY OF JOLIET" AND "WATER". EJ 1050Z1 OR NEENAH R170
* 4. ATTACH TRACER WIRE TO MAINTAIN MIN. 24" AWAY FROM STEPS
* 5. SECURE STAINLESS STEEL CABLE CLAMPS TO VAULT WALL WITH TAPCON 0.25" X 1.5" (MIN.) EMBEDMENT STAINLESS STEEL SCREW ANCHORS, OR APPROVED EQUAL.

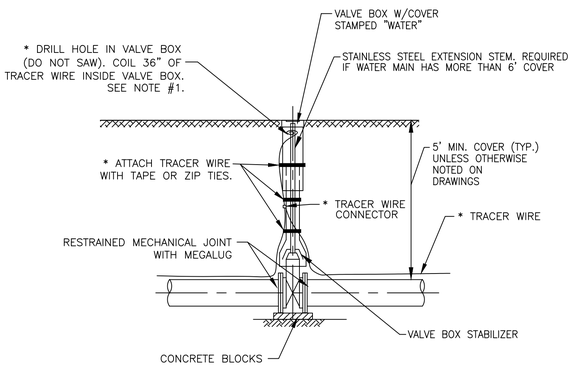
* FOR PVC WATER MAIN INSTALLATION ONLY

NOT TO SCALE

CITY OF JOLIET, ILLINOIS

WATER VALVE VAULT DETAIL
WTR-01

DATE: NOVEMBER. 2022



* FOR PVC WATER MAIN INSTALLATION ONLY

NOTES:

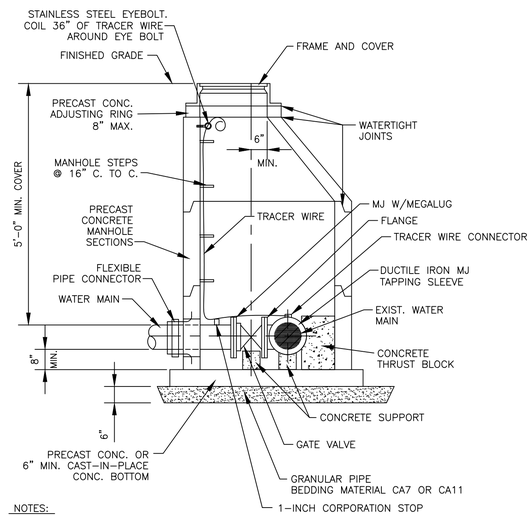
* 1. ATTACH TRACER WIRE TO OUTSIDE OF VALVE BOX USING TAPE OR ZIP TIES. DRILL 5/8" DIA. HOLE IN VALVE BOX 6" FROM TOP OF VALVE BOX.

NOT TO SCALE

CITY OF JOLIET, ILLINOIS

WATER VALVE BOX DETAIL
WTR-02

DATE: NOVEMBER 2022



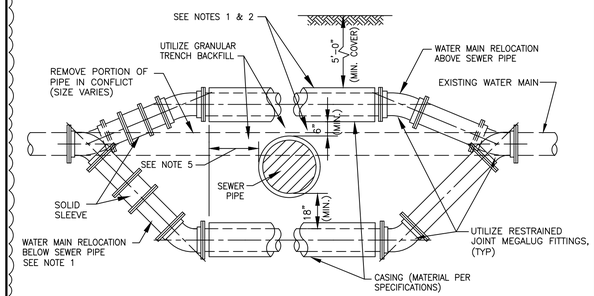
NOTES:
1. ECCENTRIC CONE REQUIRED
2. USE 4'-0" DIAMETER FOR WATER MAIN SIZES 4" THRU 8", USE 5'-0" DIAMETER FOR WATER MAIN SIZES 10" THRU 14", USE 6'-0" DIAMETER (OR LARGER PER DESIGNER) FOR WATER MAIN SIZES 16" OR GREATER.
3. PROVIDE CAST IRON FRAME AND COVER WITH HEAVY DUTY LID, STAMPED WITH "CITY OF JOLIET" AND "WATER". EJ 1050Z1
4. ATTACH TRACER WIRE TO MAINTAIN MIN. 24" AWAY FROM STEPS.

NOT TO SCALE

CITY OF JOLIET, ILLINOIS

PRESSURE CONNECTION DETAIL
WTR-07

DATE: NOVEMBER 2022



NOTES:
1. ONLY TO BE USED IF WATER MAIN CANNOT CROSS ABOVE PROPOSED SEWER AND MAINTAIN THE REQUIRED 18" OF SEPARATION AS SHOWN ON DRAWING, OR APPROVED BY ENGINEER IN FIELD.
2. WHEN WATER MAIN CROSSES ABOVE SEWER AND MAINTAINS THE REQUIRED 18" OF SEPARATION, THE CASING PIPE IS NOT REQUIRED.
3. WATER MAIN RELOCATIONS ARE SUBJECT TO INSPECTION AT NORMAL SYSTEM PRESSURE BEFORE BURIAL.
4. USE ONLY 45 DEGREE BENDS UNLESS OTHERWISE PERMITTED BY THE ENGINEER.
5. CASING MUST EXTEND A MINIMUM OF 10 FEET BEYOND OUTSIDE EDGE OF SEWER PIPE - ON BOTH SIDES OF SEWER.

NOT TO SCALE

CITY OF JOLIET, ILLINOIS

WATER MAIN RELOCATION DETAIL
WTR-05

DATE: OCT. 2017

FINAL DESIGN FOR BIDDING

CONSULTANTS	REVISED - 1 ADDENDUM #4 12/6/22
	REVISED -
	REVISED -
	REVISED -

BAXTER & WOODMAN Consulting Engineers

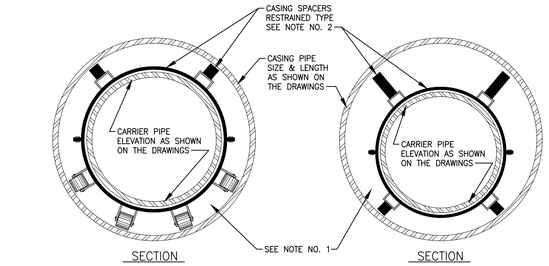
CITY OF JOLIET, ILLINOIS
COLLINS STREET WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2681-0123

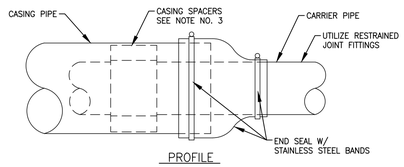
DETAILS

SCALE: AS NOTED | PROJECT NO: 211917

		TOTAL SHEETS	SHEET NO.
DESIGNED - WJW			
DRAWN - JJS			
CHECKED - PMK		38	33
DATE - 10/27/2022			

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Plotted: 12/6/2022 3:37 PM By: ANACINO
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NOTES

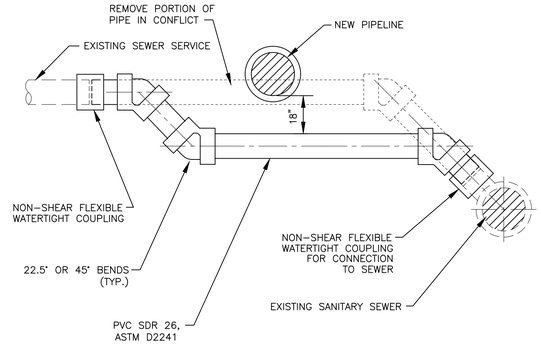
1. FILLING OF ANNULAR SPACE BETWEEN CARRIER PIPE AND CASING PIPE WITH SAND OR PEA GRAVEL IS NOT REQUIRED WHEN UTILIZING CASING SPACERS, UNLESS CONTRACTOR IS INSTRUCTED TO DO SO ON DRAWINGS OR IN SPECIFICATIONS.
2. WHERE CARRIER PIPE IS NOT CENTERED IN CASING PIPE, PROVIDE CASING SPACERS WITH LEGS THAT EXTEND TO WITHIN 1-INCH OF CASING INSIDE DIAMETER ON ALL SIDES (RESTRAINED TYPE).
3. PROVIDE NUMBER OF SPACERS AS INSTRUCTED BY SPACER MANUFACTURER, WITH A MINIMUM OF ONE SPACER ON EACH SIDE OF A PIPE JOINT, AND ONE SPACER BETWEEN JOINTS. (THREE (MIN.) PER PIPE LENGTH)
4. ALL CARRIER PIPE INSTALLED WITHIN CASING PIPE TO BE RESTRAINED JOINT TYPE

NOT TO SCALE

CITY OF JOLIET, ILLINOIS

CASING DETAIL
GEN-01

DATE: OCT. 2017

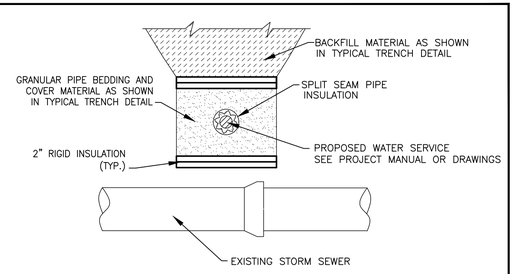


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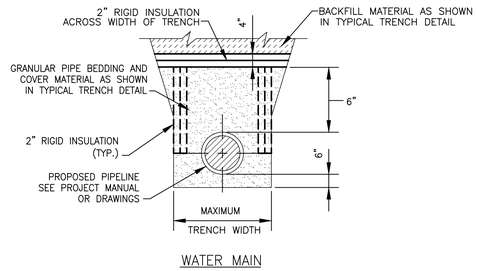
CITY OF JOLIET, ILLINOIS

SANITARY SEWER SERVICE
RELOCATION
SAN-03

DATE: OCT. 2017



WATER SERVICE



WATER MAIN

NOTES:

1. TO BE USED WHEN WATER MAIN AND / OR WATER SERVICE BURY DEPTH IS < 4' OR WHEN WATER SERVICE CROSSES ABOVE STORM SEWER.

NOT TO SCALE

CITY OF JOLIET, ILLINOIS

PIPE INSULATION
DETAIL
WTR-04

DATE: OCT. 2017

DUCTILE IRON-RESTRAINT JOINT TYPE PIPE LENGTH (FEET)						
FITTING TYPE	DIAMETER (IN)					
	4"	6"	8"	10"	12"	16"
HORIZONTAL BEND						
11.25°	5	5	5	5	5	5
22.5°	5	5	5	5	10	10
45°	5	10	10	10	15	15
90°	15	20	20	25	30	40
VERTICAL BEND						
45°	20	25	35	40	45	60
TEE	5	5	5	5	5	5
VALVE (OPERATING PRESSURE)	20	30	35	45	50	65
VALVE (TESTING PRESSURE)	40	60	75	90	105	135
REDUCER						
6" NOMINAL PIPE	30	–	–	–	–	–
8" NOMINAL PIPE	55	35	–	–	–	–
10" NOMINAL PIPE	75	55	30	–	–	–
12" NOMINAL PIPE	90	80	55	35	–	–
16" NOMINAL PIPE	125	115	100	80	60	–

NOTE:
RJT LENGTHS MAY VARY DEPENDING ON SITE CONDITIONS. LENGTHS SHOWN ARE MINIMUM PER 5' BURY DEPTH OF WATER MAIN AND, AGGREGATE PIPE BACKFILL.

NOT TO SCALE

CITY OF JOLIET, ILLINOIS

POLYWRAPPED DI RJT
DETAIL

WTR-09

DATE: NOVEMBER 2022

1

PVC-RESTRAINT JOINT TYPE PIPE LENGTH (FEET)						
FITTING TYPE	DIAMETER (IN)					
	4"	6"	8"	10"	12"	16"
HORIZONTAL BEND						
11.25°	5	5	5	5	5	5
22.5°	5	5	5	5	5	10
45°	5	10	10	10	15	15
90°	10	15	15	20	25	35
VERTICAL BEND						
45°	15	15	20	25	30	40
TEE	5	5	5	5	5	5
VALVE (OPERATING PRESSURE)	15	20	25	30	35	45
VALVE (TESTING PRESSURE)	30	40	50	60	70	90
REDUCER						
6" NOMINAL PIPE	20	–	–	–	–	–
8" NOMINAL PIPE	35	20	–	–	–	–
10" NOMINAL PIPE	50	35	20	–	–	–
12" NOMINAL PIPE	60	50	40	20	–	–
16" NOMINAL PIPE	80	75	65	55	40	–

NOTE:

RJT LENGTHS MAY VARY DEPENDING ON SITE CONDITIONS. LENGTHS SHOWN ARE MINIMUM PER 5' BURY DEPTH OF WATER MAIN AND, AGGREGATE PIPE BACKFILL.

NOT TO SCALE

CITY OF JOLIET, ILLINOIS

PVC RJT DETAIL
WTR-09

DATE: NOVEMBER 2022

1

FINAL DESIGN
FOR BIDDING

BAXTER & WOODMAN Consulting Engineers

CONSULTANTS	REVISED – 1 ADDENDUM #4 12/6/22
	REVISED –
	REVISED –
	REVISED –

CITY OF JOLIET, ILLINOIS
COLLINS STREET WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2681-0123

DETAILS

SCALE: AS NOTED | PROJECT NO: 211917

		TOTAL SHEETS	SHEET NO.
DESIGNED – WJW			
DRAWN – JJS			
CHECKED – PMK		38	34
DATE – 10/27/2022			

P:\JOLTC\211917-2023 WATER MAIN PROGRAM\CAD\COLLINS STREET\01_CIVIL 3D\01_SHTS-PLANS\211917-COVER_GEN_DETS-COLLINS STREET.DWG DETAILS (3)
Plotted: 12/6/2022 3:37 PM By: ANACINO
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