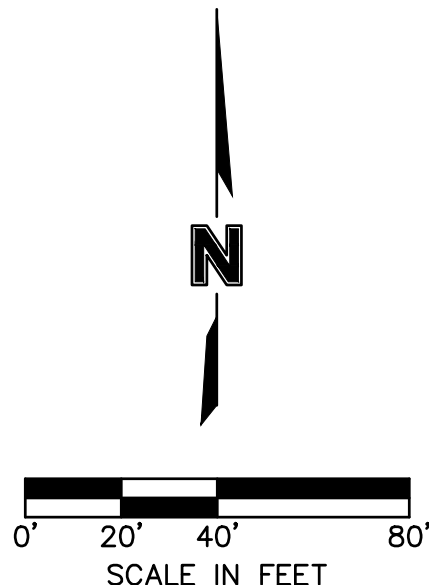
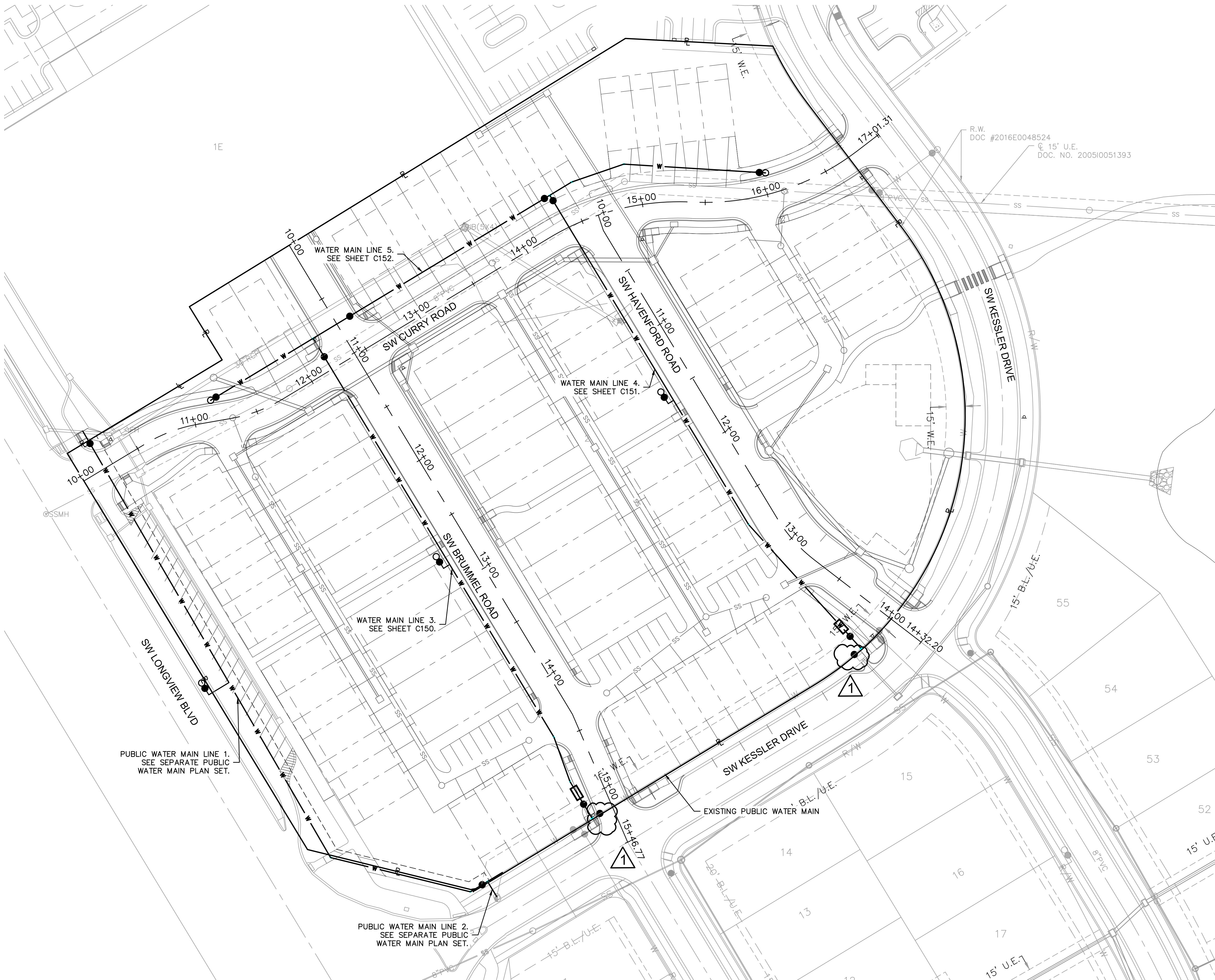


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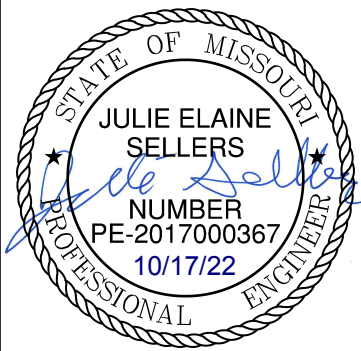
PRIVATE WATER PLAN (GENERAL LAYOUT)

NEW LONGVIEW TOWNHOMES
451 SW LONGVIEW BLVD

LEE'S SUMMIT. MO

2021

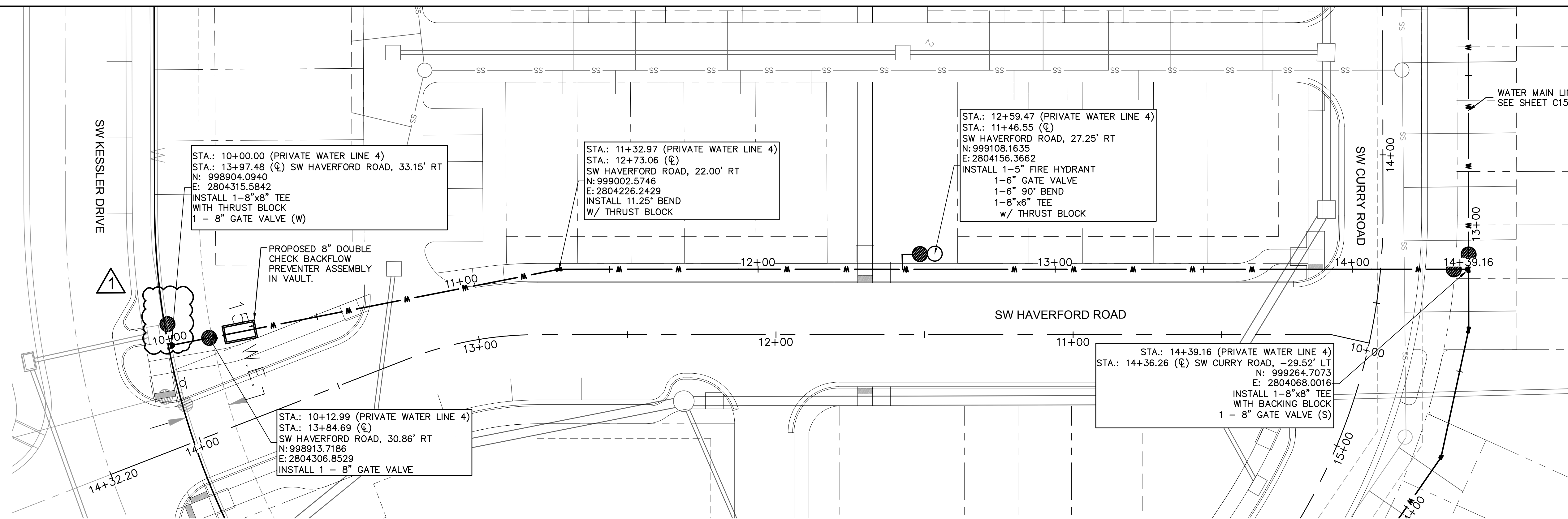
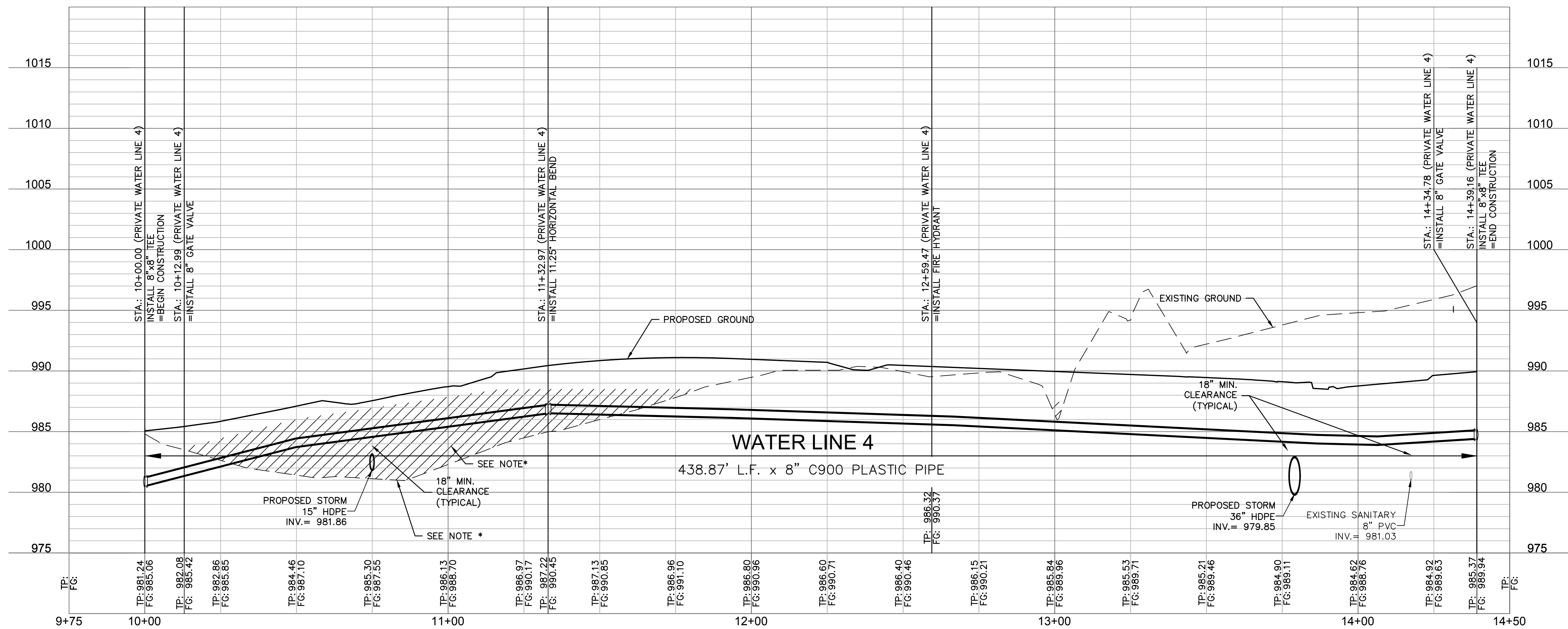
REV. NO.	DATE	REVISIONS DESCRIPTION REVISIONS PER CITY COMMENTS	BY
1	09/29/2022		
DEVIATIONS			



olson

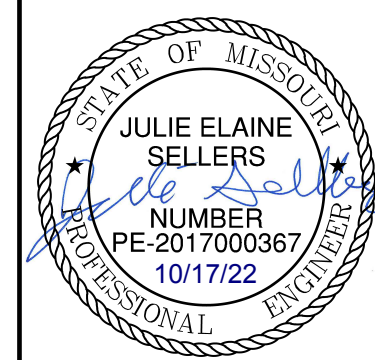
Olsson - Civil Engineering
Missouri Certificate of Authority #
1301 Burlington Street
North Kansas City, MO 64116

TEL 816.361.1177 www.olsson.com

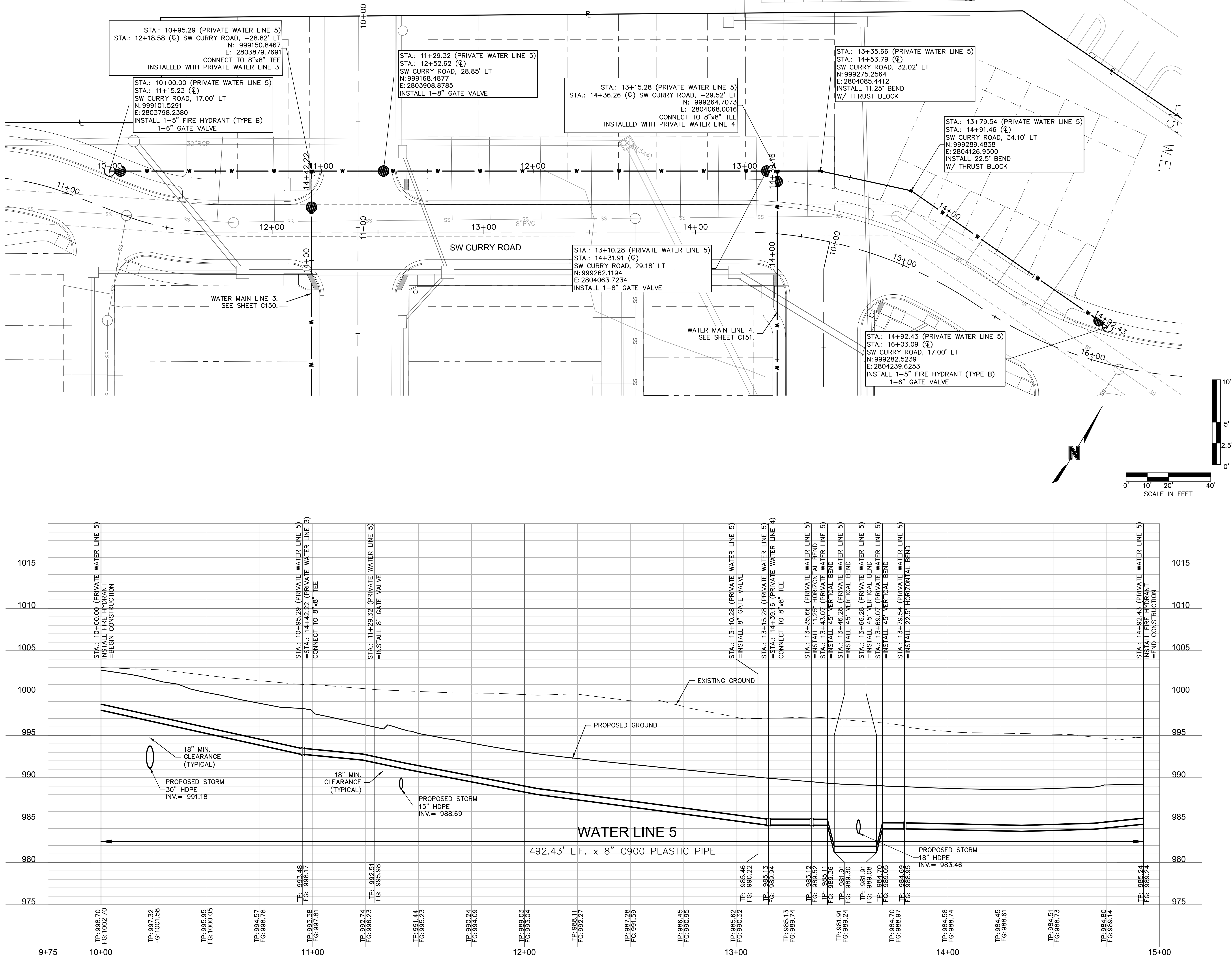


*NOTE: CONTRACTOR SHALL FILL AND COMPACT TO 95% STANDARD DENSITY TO A POINT 18" MINIMUM ABOVE THE TOP OF PIPE PRIOR TO EXCAVATION FOR THE PIPE.

drawn by: _____ checked by: _____ approved by: _____ QA/QC by: _____ project no.: _____ drawing no.: _____ date: _____	WATER MAIN 4 PLAN & PROFILE			REV. NO.	DATE	REVISIONS DESCRIPTION	BY
				1	09/29/2022	REVISIONS PER CITY COMMENTS	
NEW LONGVIEW TOWNHOMES 451 SW LONGVIEW BLVD							
LEE'S SUMMIT, MO 2021			REVISIONS				



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C_PWTR_02102987



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JULIE ELAINE
SELLERS
Professional Engineer
NUMBER
PE-2017000367
10/17/22

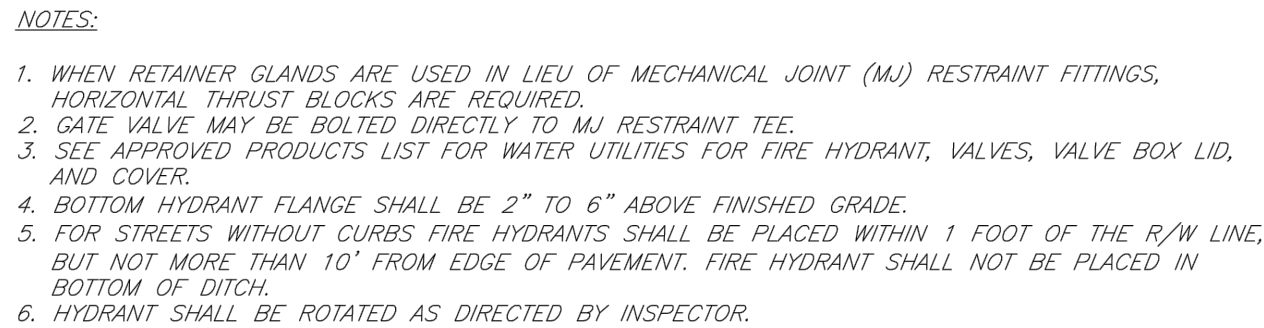
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REVISIONS

2021

WATER MAIN 5 PLAN & PROFILE
NEW LONGVIEW TOWNHOMES
451 SW LONGVIEW BLVD
LEE'S SUMMIT, MO

drawn by: OLJCM
checked by: JES
approved by: JES
QA/QC by: JES
project no.: 021-02987
drawing no.:
date: 08.25.2021

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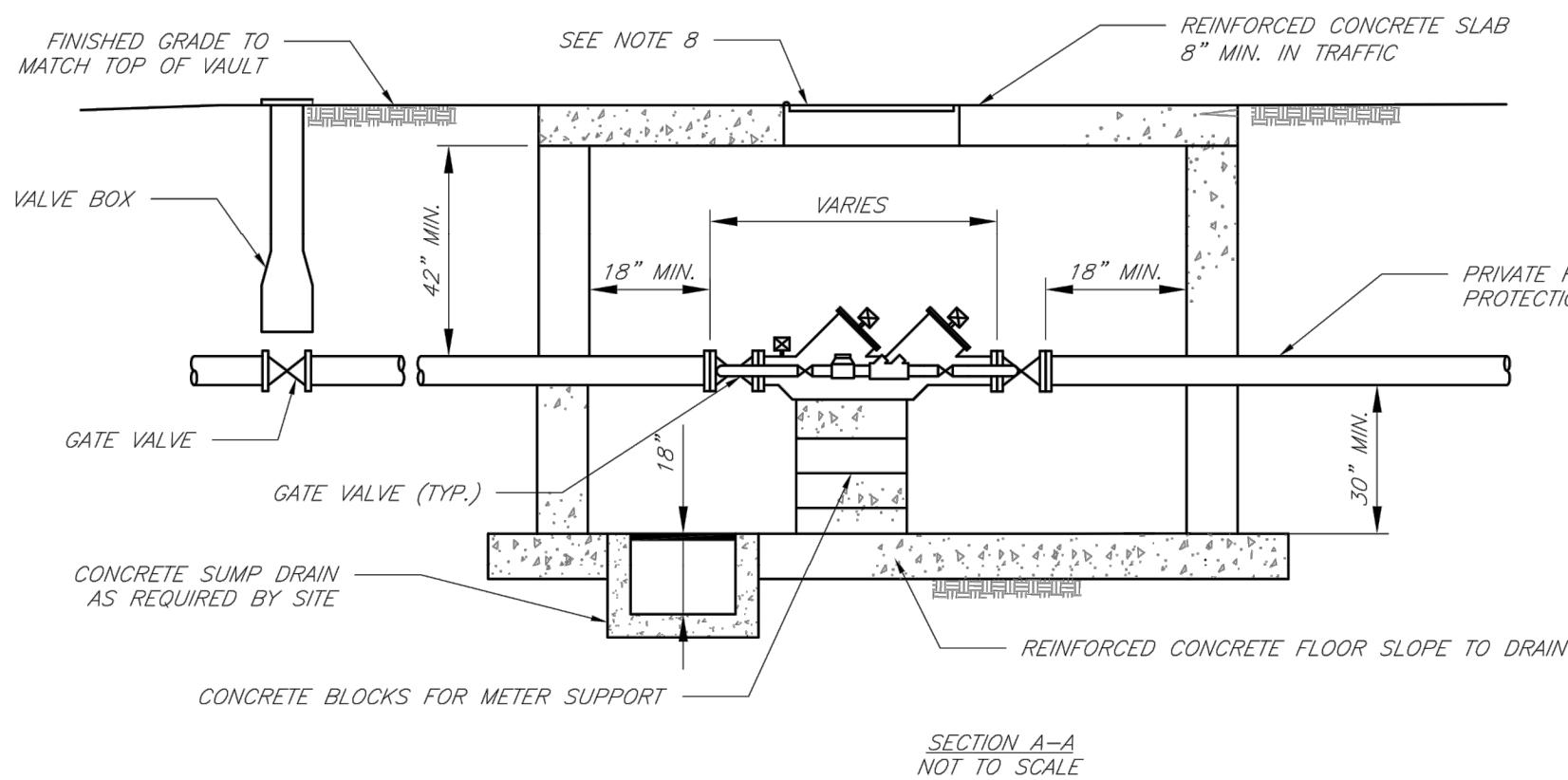
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Drawn By: JN
Checked By: DL
FILE: WAT-8
Rev: 1/14
Rev:

NOTES:

1. ALL BENDS WITHOUT RESTRAINED JOINTS SHALL HAVE CONCRETE THRUST BLOCKS INSTALLED FOR RESTRAINT.
2. MEGA LUGS MAY BE USED ONLY IN CONJUNCTION WITH CONCRETE THRUST BLOCKING.
3. BEARING MUST BE AGAINST UNDISTURBED SOIL.
4. DO NOT COVER JOINTS OR BOLTS (WHERE APPLICABLE) WITH CONCRETE.



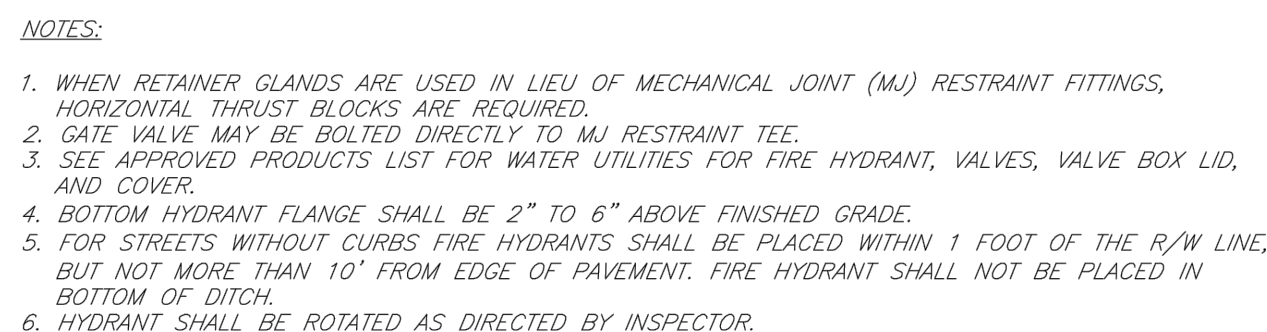
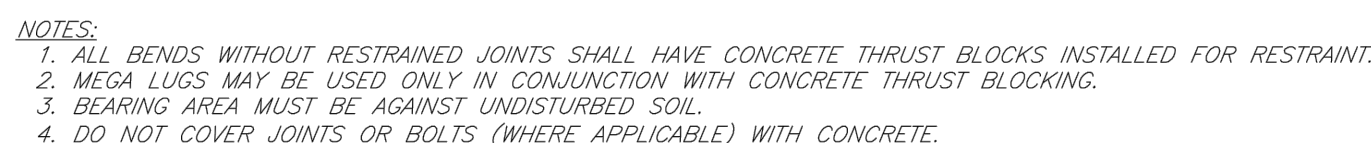
Date: 02/13
Drawn By: JN
Checked By: DL
FILE: WAT-2
Rev: 1/14
Rev:



- GENERAL NOTES:
1. METEOR VULUIT WALLS TO BE POURED OR PRECAST CONCRETE. METEOR VULUIT ROOF TO BE REINFORCED CONCRETE WITH OPENING CENTERED OVER DETECTOR METER. REINFORCED WALLS AND SLABS ARE TO BE DESIGNED BY THE OWNER'S ENGINEER OR PRECAST ENGINEER.
 2. METEOR VULUIT TO BE LOCATED IN A DRAINAGE PROTECTIVE AREA AND WHERE SURFACE WATER WILL NOT DRAIN INTO IT. PROVIDE CONCRETE SUMP TO DRAIN TO AN ABOVE GROUND DISCHARGE POINT.
 3. DETECTOR METER AND METER HOSE SHALL BE PROTECTED THROUGH THE VAULT SHALL BE PROVIDED WITH RESTRAINED JOINT FITTINGS.
 4. ALL FITTINGS FOR THE DETECTOR METER TO BE BRASS.
 5. DETECTOR METER SHALL BE LISTED TO THE CITY WATER MAIN PRODUCTS LIST FOR WATER UTILITIES AND SHALL BE ON 16" CENTERS.
 6. A DEPARTMENT OF NATURAL RESOURCES APPROVED DOUBLE CHECK DETECTOR ASSEMBLY BACKFLOW PREVENTER MUST BE USED. FOR A COAST GUARD THE INSURANCE COMPANY APPROVED BACKFLOW APPROVED BACKFLOW PREVENTION ASSEMBLIES, CONTACT WATER UTILITIES AT 816-369-1900.
 7. ALL VALVES SHALL HAVE RISING STEMS.
 8. MANHOLE COVER SHALL BE A BILCO K-1 MODEL UNLESS IN A VEHICLE TRAFFIC AREA. SEE THE APPROVED PRODUCTS LIST FOR WATER UTILITIES FOR TRAFFIC CONDITIONS. THE COVER SHALL HAVE A 1-3/4" HOLE DRILLED IN THE TOP OF THE COVER.
 9. A MINIMUM OF 18" CLEARANCE SHALL BE PROVIDED AROUND ALL PIPING, VALVES, APPURTENANCES, ETC.
 10. DETECTOR METER WORKS ENGINEERING FOR VAULTS THAT INCLUDE A FIRE DEPARTMENT CONNECTION OR A 3" OR LARGER METER.



Date: 02/13
Drawn By: JN
Checked By: DL
FILE: WAT-1
Rev: 1/14
Rev:



Date: 02/13
Drawn By: JN
Checked By: DL
FILE: WAT-7
Rev: 1/14
Rev: