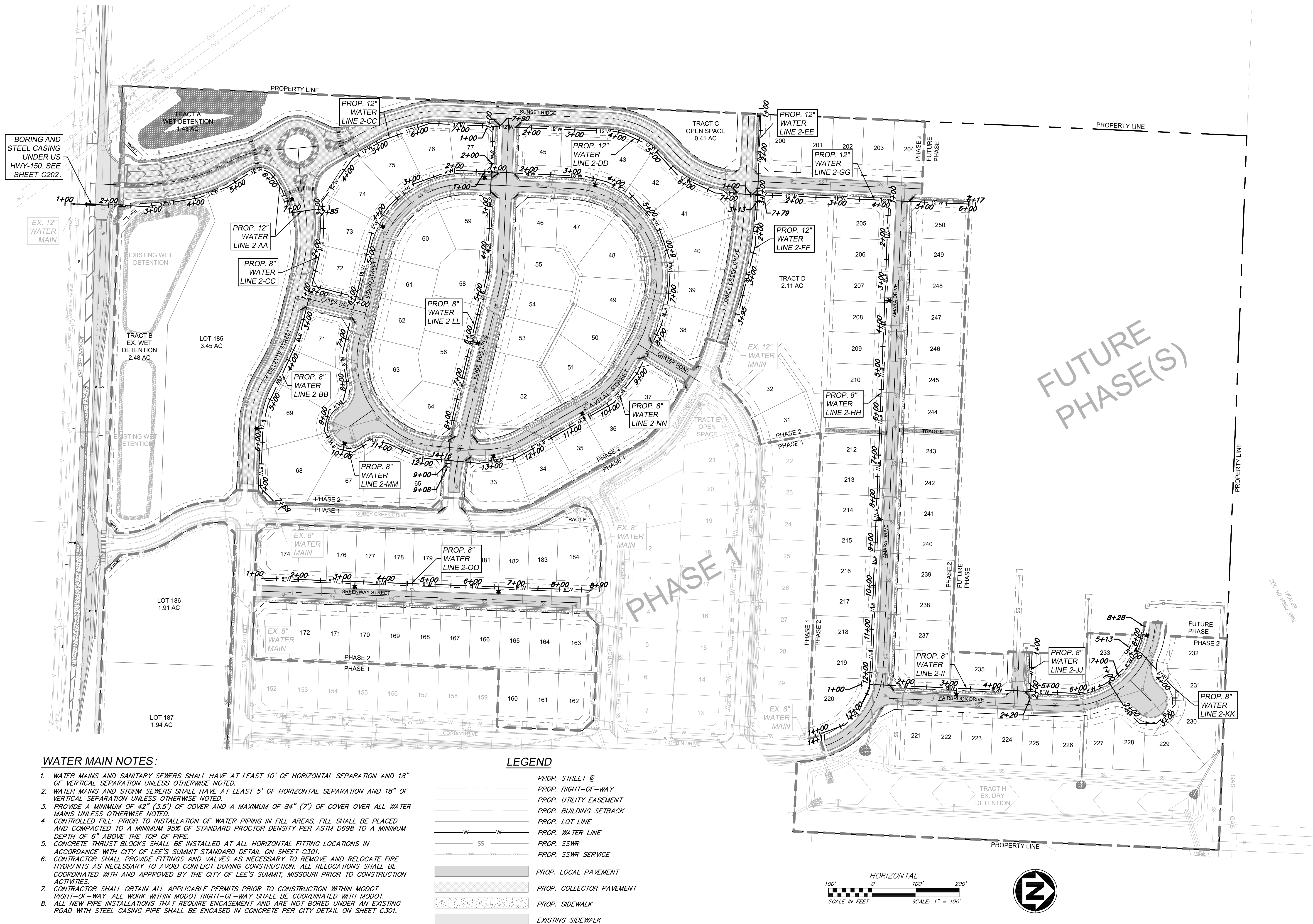




WATER MAIN NOTES:

1. WATER MAINS AND SANITARY SEWERS SHALL HAVE AT LEAST 10' OF HORIZONTAL SEPARATION AND 18" OF VERTICAL SEPARATION UNLESS OTHERWISE NOTED.
2. WATER MAINS AND STORM SEWERS SHALL HAVE AT LEAST 5' OF HORIZONTAL SEPARATION AND 18" OF VERTICAL SEPARATION UNLESS OTHERWISE NOTED.
3. PROVIDE A MINIMUM OF 42" (3.5') OF COVER AND A MAXIMUM OF 84" (7') OF COVER OVER ALL WATER MAINS UNLESS OTHERWISE NOTED.
4. CONTROLLED FILL: PRIOR TO INSTALLATION OF WATER PIPING IN FILL AREAS, FILL SHALL BE PLACED AND COMPACTED TO A MINIMUM 95% OF STANDARD PROCTOR DENSITY PER ASTM D698 TO A MINIMUM DEPTH OF 6" ABOVE THE TOP OF PIPE.
5. CONCRETE THRUST BLOCKS SHALL BE INSTALLED AT ALL HORIZONTAL FITTING LOCATIONS IN ACCORDANCE WITH CITY OF LEE'S SUMMIT STANDARD DETAIL ON SHEET C301.
6. CONTRACTOR SHALL PROVIDE FITTINGS AND VALVES AS NECESSARY TO REMOVE AND RELOCATE FIRE HYDRANTS AS NECESSARY TO AVOID CONFLICT DURING CONSTRUCTION. ALL RELOCATIONS SHALL BE COORDINATED WITH AND APPROVED BY THE CITY OF LEE'S SUMMIT, MISSOURI PRIOR TO CONSTRUCTION ACTIVITIES.
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8. ALL NEW PIPE INSTALLATIONS THAT REQUIRE ENCASEMENT AND ARE NOT BORED UNDER AN EXISTING ROAD WITH STEEL CASING PIPE SHALL BE ENCASED IN CONCRETE PER CITY DETAIL ON SHEET C301.

LEGEND

- PROP. STREET C
- - - PROP. RIGHT-OF-WAY
- - - PROP. UTILITY EASEMENT
- - - PROP. BUILDING SETBACK
- - - PROP. LOT LINE
- - - PROP. WATER LINE
- - - SS SSWR
- - - PROP. SSWR SERVICE
- PROP. LOCAL PAVEMENT
- PROP. COLLECTOR PAVEMENT
- PROP. SIDEWALK
- EXISTING SIDEWALK

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NO.	DESCRIPTION	BY	DATE
1	REVISED PER CITY COMMENTS	CA	5/11/22
2	REVISED PER CITY COMMENTS	GC	7/22/22
3	REVISED PER CITY COMMENTS	CA	8/30/22
ISSUED FOR:		FOR REVIEW	
JOB NUMBER:		21KC10060	

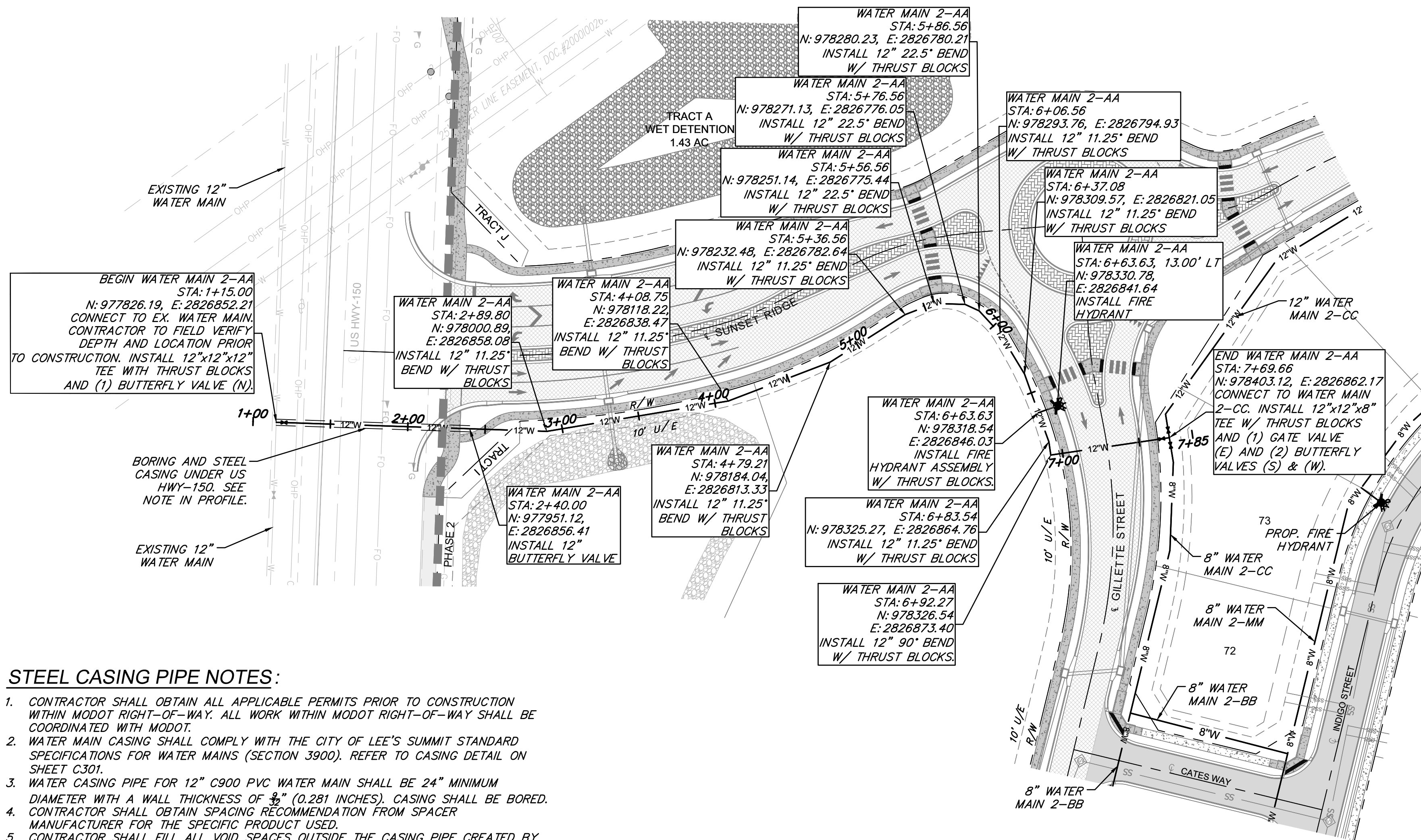
CLAYTON PROPERTIES GROUP
COBEY CREEK - 2ND PLAT - WATER MAIN

WATER LINE OVERVIEW

S29, T47N, R31W
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

GARRETT R. SATE
Professional Engineer
PE-2021025089
08/30/22

SHEET NUMBER
C201
2 OF 16



STEEL CASING PIPE NOTES:

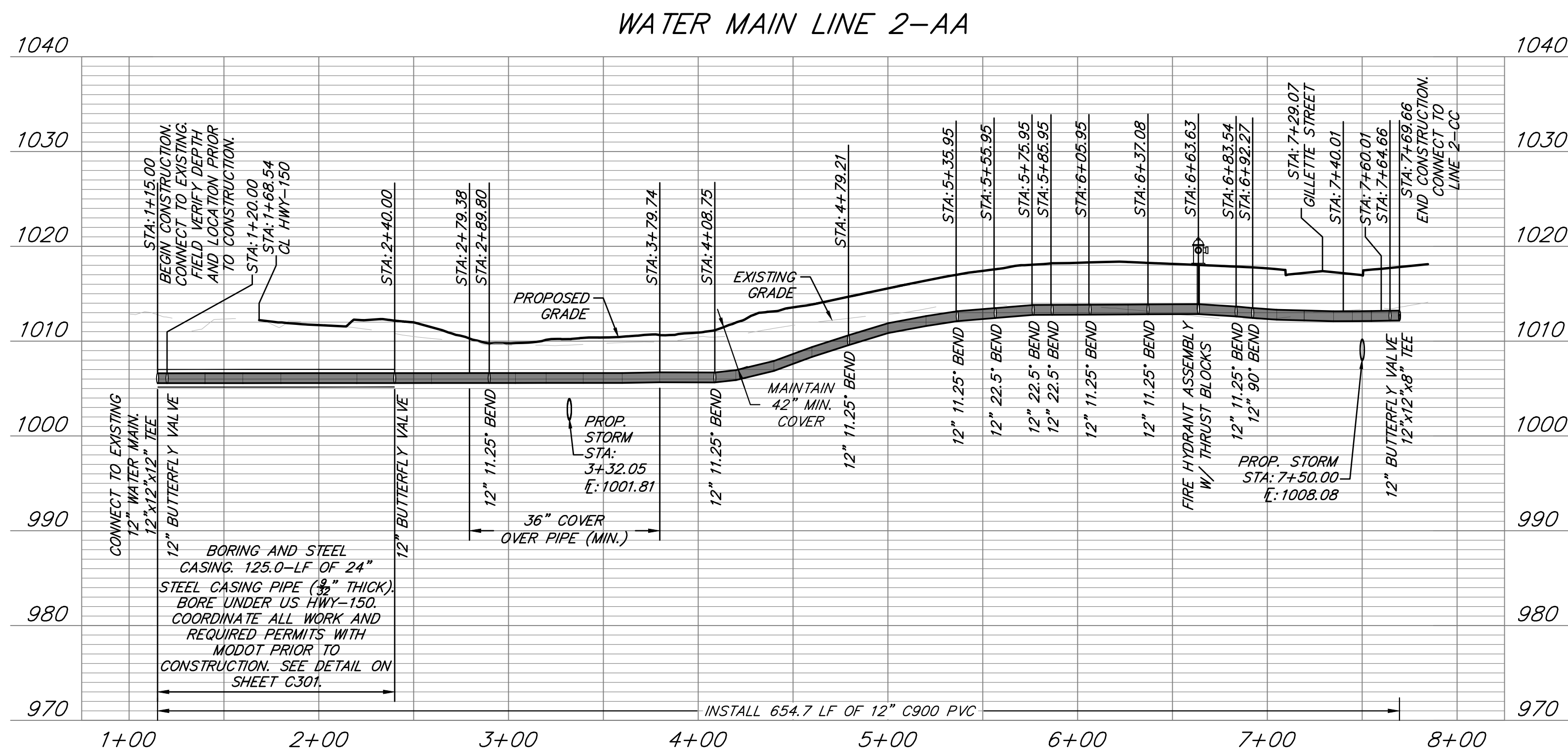
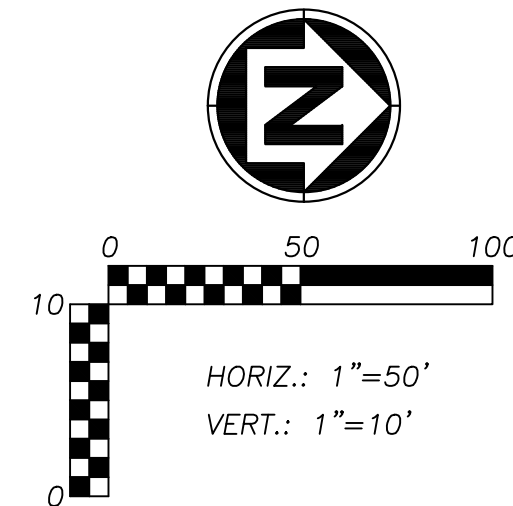
- CONTRACTOR SHALL OBTAIN ALL APPLICABLE PERMITS PRIOR TO CONSTRUCTION WITHIN MODOT RIGHT-OF-WAY. ALL WORK WITHIN MODOT RIGHT-OF-WAY SHALL BE COORDINATED WITH MODOT.
- WATER MAIN CASING SHALL COMPLY WITH THE CITY OF LEE'S SUMMIT STANDARD SPECIFICATIONS FOR WATER MAINS (SECTION 3900). REFER TO CASING DETAIL ON SHEET C301.
- WATER CASING PIPE FOR 12" C900 PVC WATER MAIN SHALL BE 24" MINIMUM DIAMETER WITH A WALL THICKNESS OF $\frac{3}{8}$ " (0.281 INCHES). CASING SHALL BE BORED. CONTRACTOR SHALL OBTAIN SPACING RECOMMENDATION FROM SPACER MANUFACTURER FOR THE SPECIFIC PRODUCT USED.
- CONTRACTOR SHALL FILL ALL VOID SPACES OUTSIDE THE CASING PIPE CREATED BY INSTALLATION OPERATION WITH PRESSURE GROUT.
- CONTRACTOR SHALL USE EXTREME CAUTION AND VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES WHERE CASING PIPE IS TO BE BORED UNDER US HWY 150.
- INSTALLATION AND BORING OF CASING SHALL BE SUPERVISED BY A FOREMAN EXPERIENCED IN SUCH WORK. CASING SHALL BE INSTALLED BY A COMBINATION OF AUGURING AND JACKING. ALIGNMENT AND GRADIENT SHALL BE SUCH THAT THE CARRIER CONDUIT CAN BE INSTALLED TO LINE AND GRADE SHOWN ON THESE PLANS.

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	PROP. RIGHT-OF-WAY
	PROP. UTILITY EASEMENT
	PROP. BUILDING SETBACK
	PROP. LOT LINE
	PROP. WATER LINE
	PROP. SSWR
	PROP. SSWR SERVICE
	PROP. LOCAL PAVEMENT
	PROP. COLLECTOR PAVEMENT
	PROP. SIDEWALK
	EXISTING SIDEWALK



CLAYTON PROPERTIES GROUP
COBEY CREEK - 2ND PLAT - WATER MAIN

WATER LINE 2-AA
PLAN & PROFILE

S29, T47N, R31W
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI



SHEET NUMBER
C202
3 OF 16

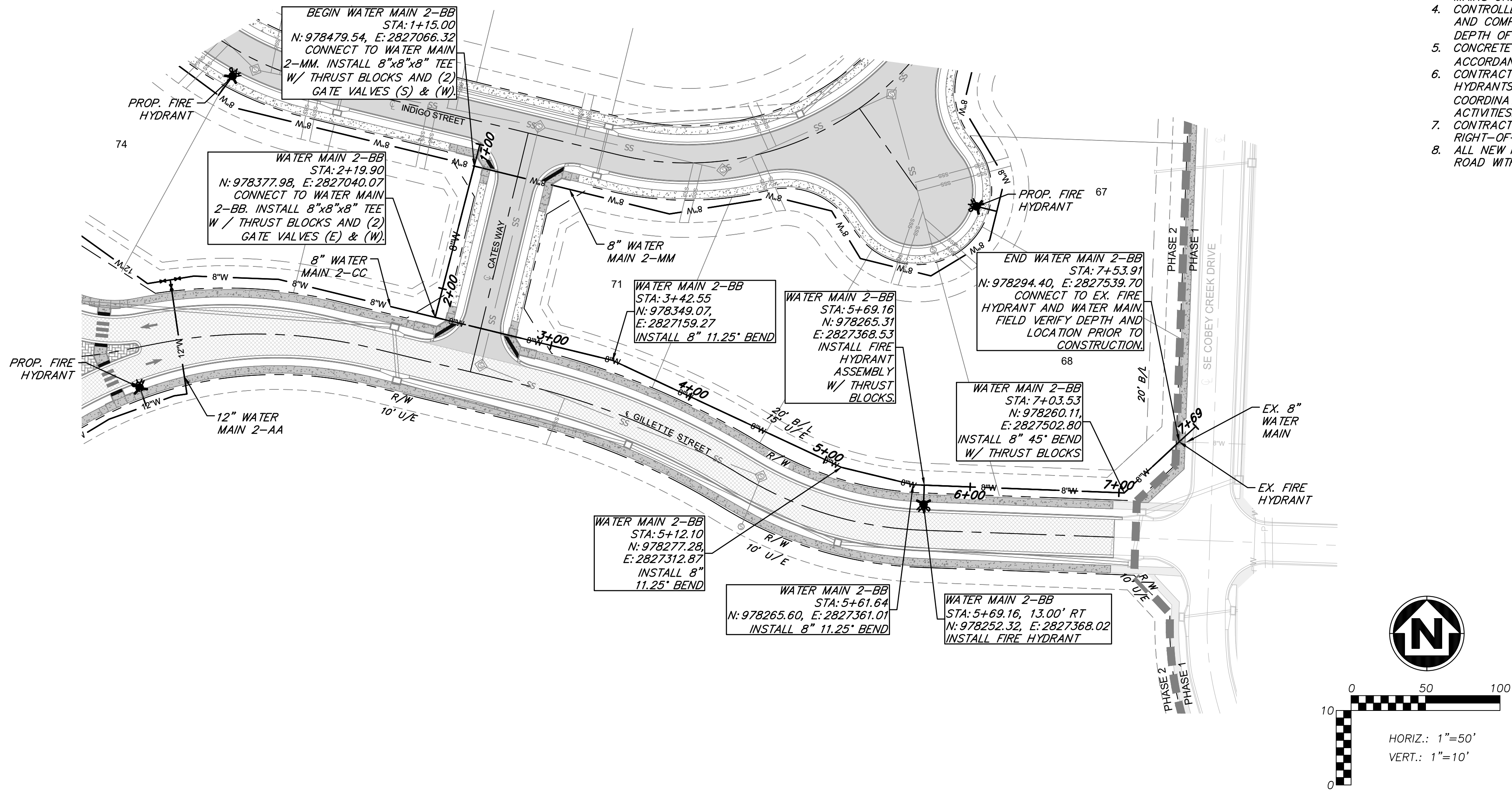
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NO.	DESCRIPTION	BY	DATE	DRAWN BY:	CA
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2	REVISED PER CITY COMMENTS	GC	7/22/22	LICENSE NO.	PE-2021025089
3	REVISED PER CITY COMMENTS	CA	8/30/22	DATE:	03/14/2022
				ISSUED FOR:	FOR REVIEW
				JOB NUMBER:	21KC10060

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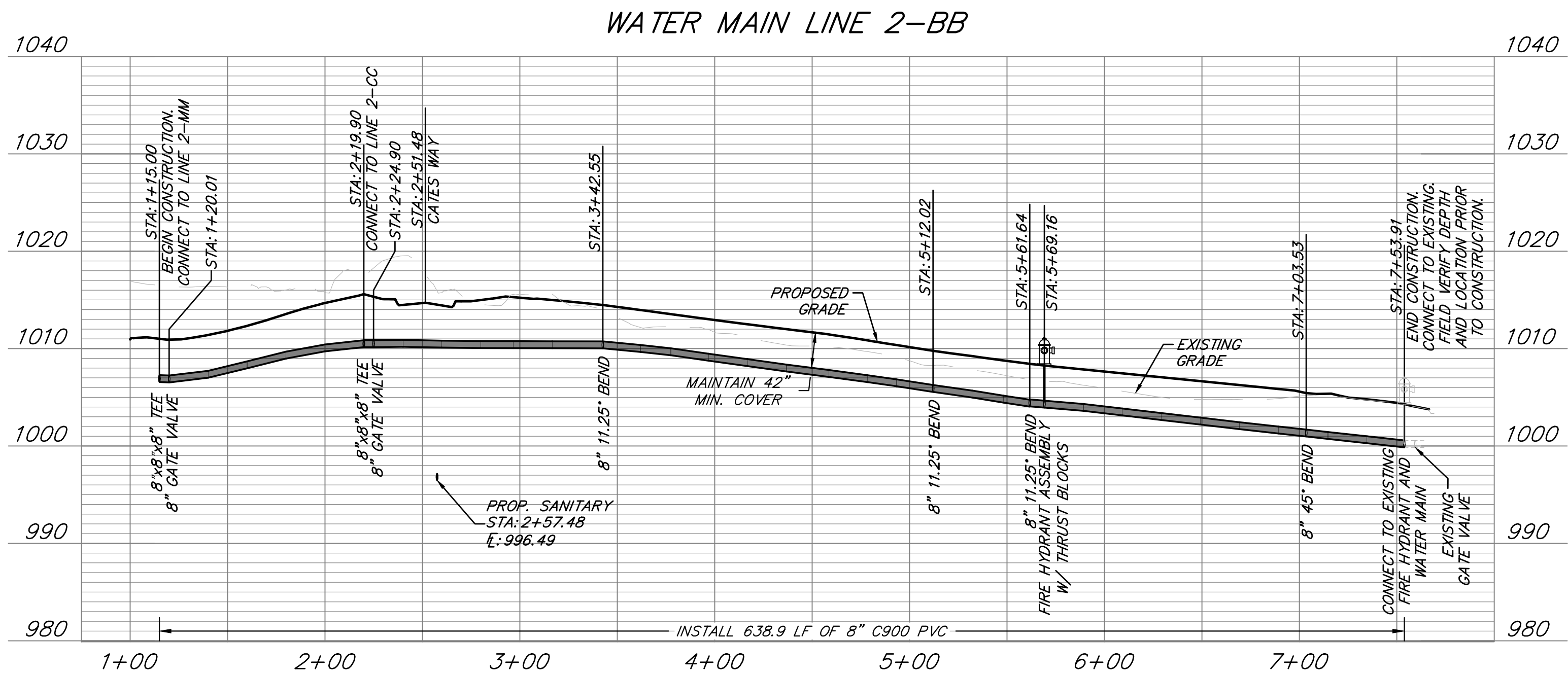
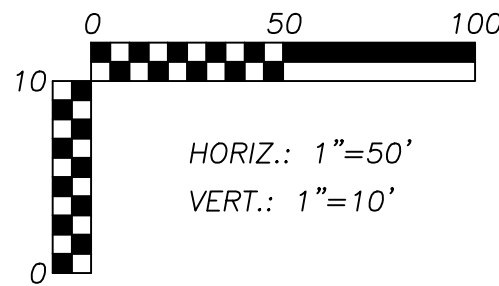


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CLAYTON PROPERTIES GROUP
COBEY CREEK - 2ND PLAT - WATER MAIN

WATER LINE 2-BB
PLAN & PROFILE

S29, T47N, R31W
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI



SHEET NUMBER
C203
4 OF 16

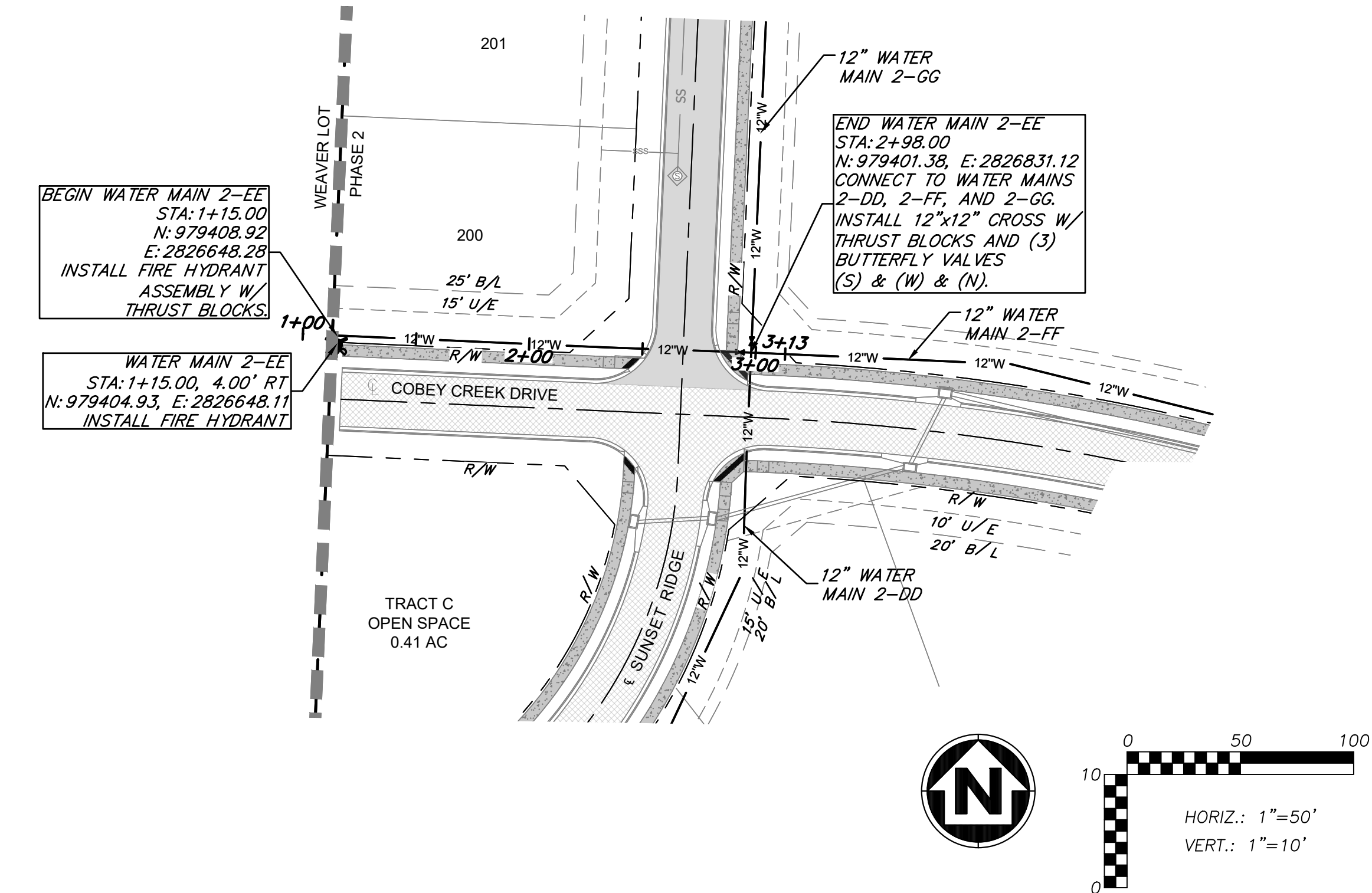
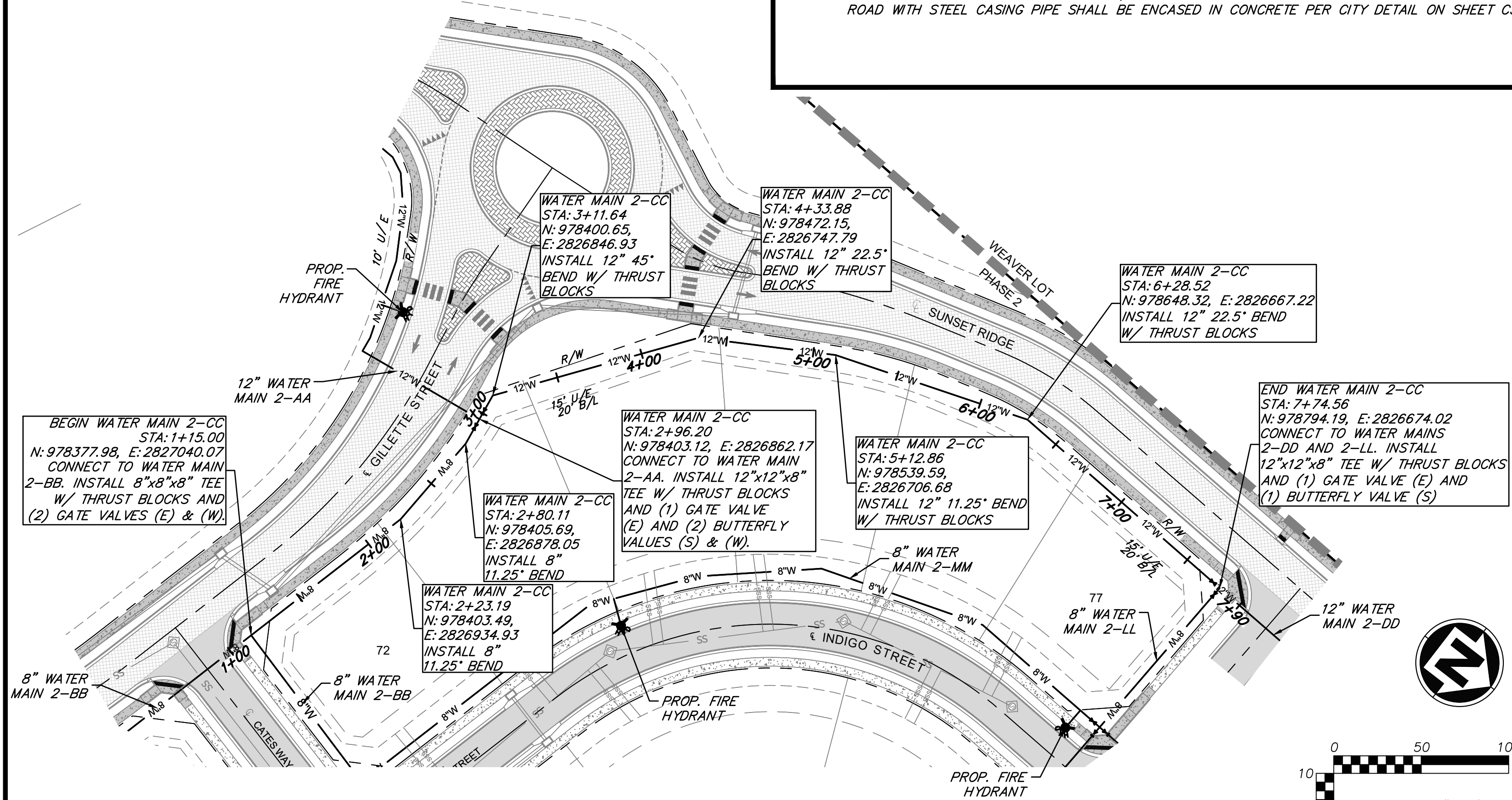
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WATER MAIN NOTES:

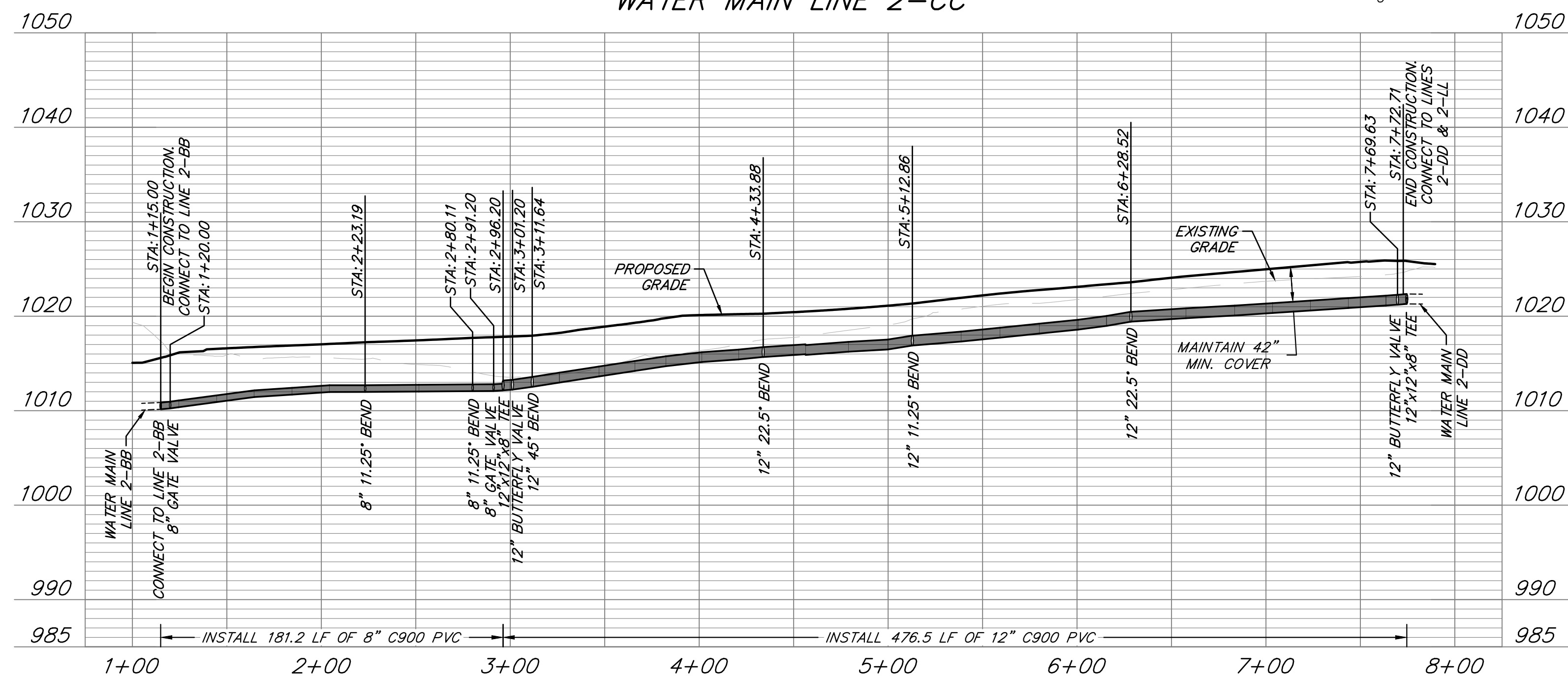
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LEGEND

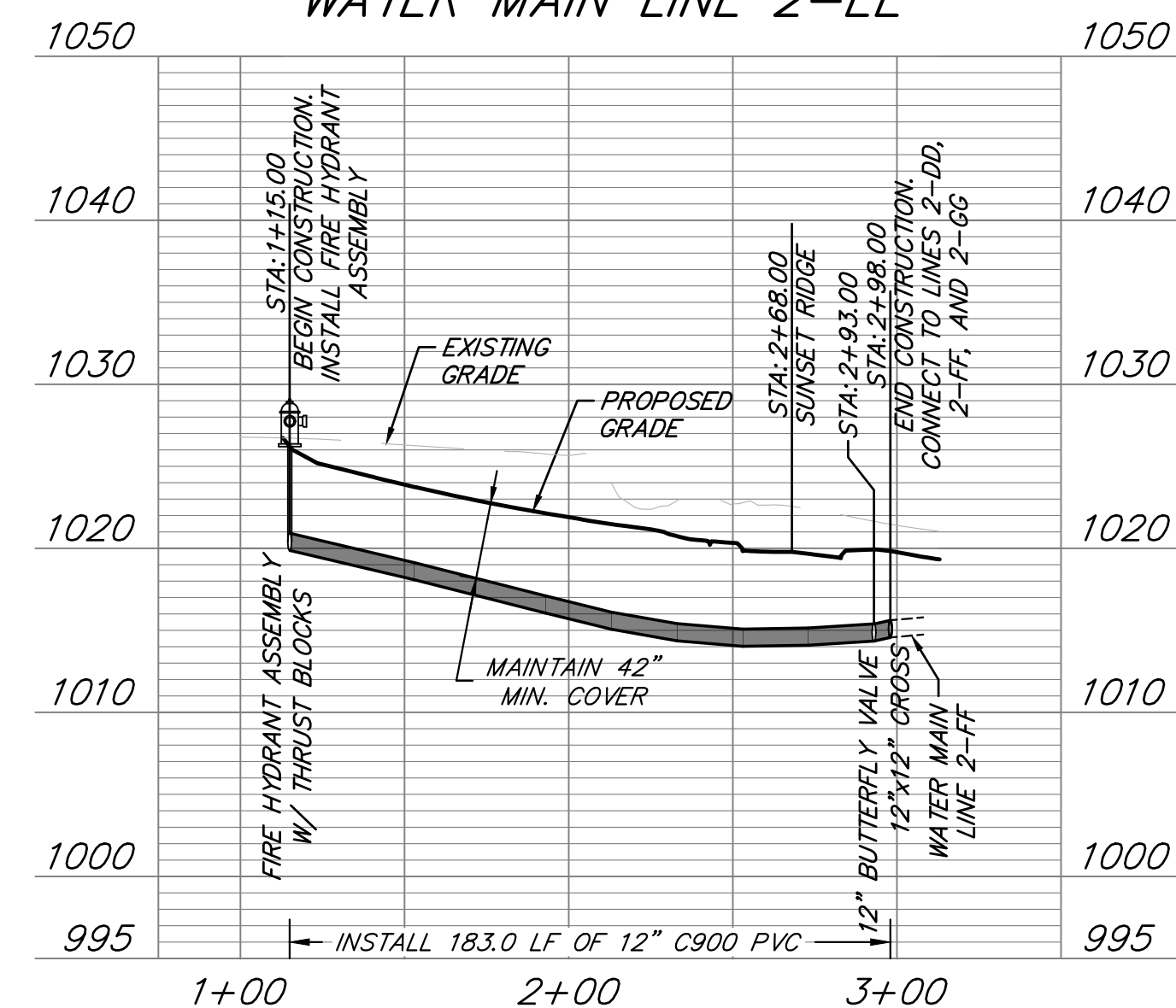
	PROP. STREET C
	PROP. RIGHT-OF-WAY
	PROP. UTILITY EASEMENT
	PROP. BUILDING SETBACK
	PROP. LOT LINE
	PROP. WATER LINE
	PROP. SSWR
	PROP. SSWR SERVICE
	PROP. LOCAL PAVEMENT
	PROP. COLLECTOR PAVEMENT
	PROP. SIDEWALK
	EXISTING SIDEWALK



WATER MAIN LINE 2-CC



WATER MAIN LINE 2-EE



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2	REVISED PER CITY COMMENTS	GC	7/22/22
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JOB NUMBER:		21KC10060	

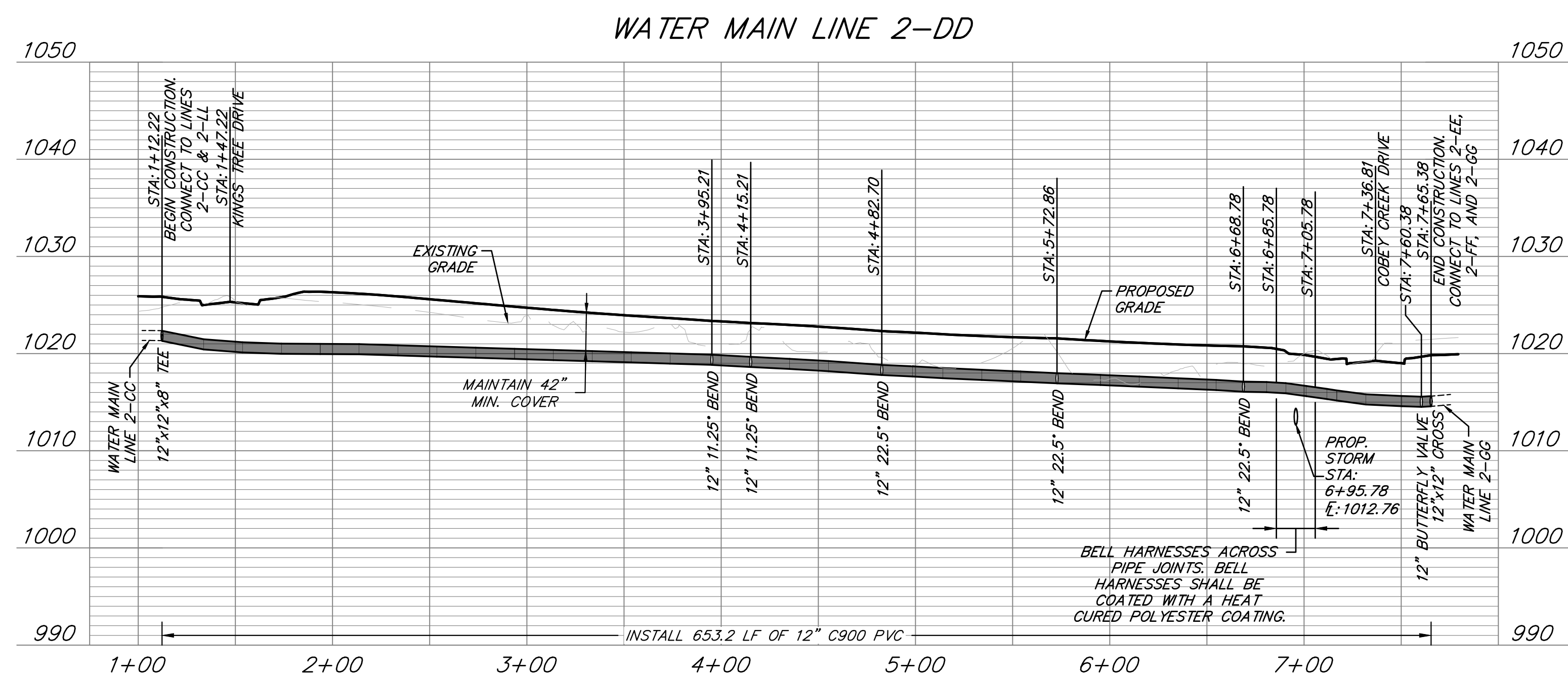
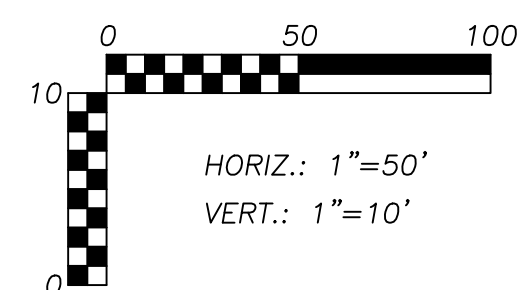
CLAYTON PROPERTIES GROUP
COBEY CREEK - 2ND PLAT - WATER MAIN
WATER LINE 2-CC AND 2-EE
PLAN & PROFILE
S29, T47N, R31W
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI



SHEET NUMBER
C204
5 OF 16

1. WATER MAINS AND SANITARY SEWERS SHALL HAVE AT LEAST 10' OF HORIZONTAL SEPARATION AND 18" OF VERTICAL SEPARATION UNLESS OTHERWISE NOTED.
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	<i>PROP. STREET &</i>
	<i>PROP. RIGHT-OF-WAY</i>
	<i>PROP. UTILITY EASEMENT</i>
	<i>PROP. BUILDING SETBACK</i>
	<i>PROP. LOT LINE</i>
	<i>PROP. WATER LINE</i>
	<i>PROP. SSWR</i>
	<i>PROP. SSWR SERVICE</i>
	<i>PROP. LOCAL PAVEMENT</i>
	<i>PROP. COLLECTOR PAVEMENT</i>
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	<i>EXISTING SIDEWALK</i>



REVISONS				DRAWING INFO.	
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				ISSUED FOR:	FOR REVIEW
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CLAYTON PROPERTIES GROUP
COBEY CREEK - 2ND PLAT - WATER MAIN

WATER LINE 2-DD PLAN & PROFILE

S29, T47N, R31W
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

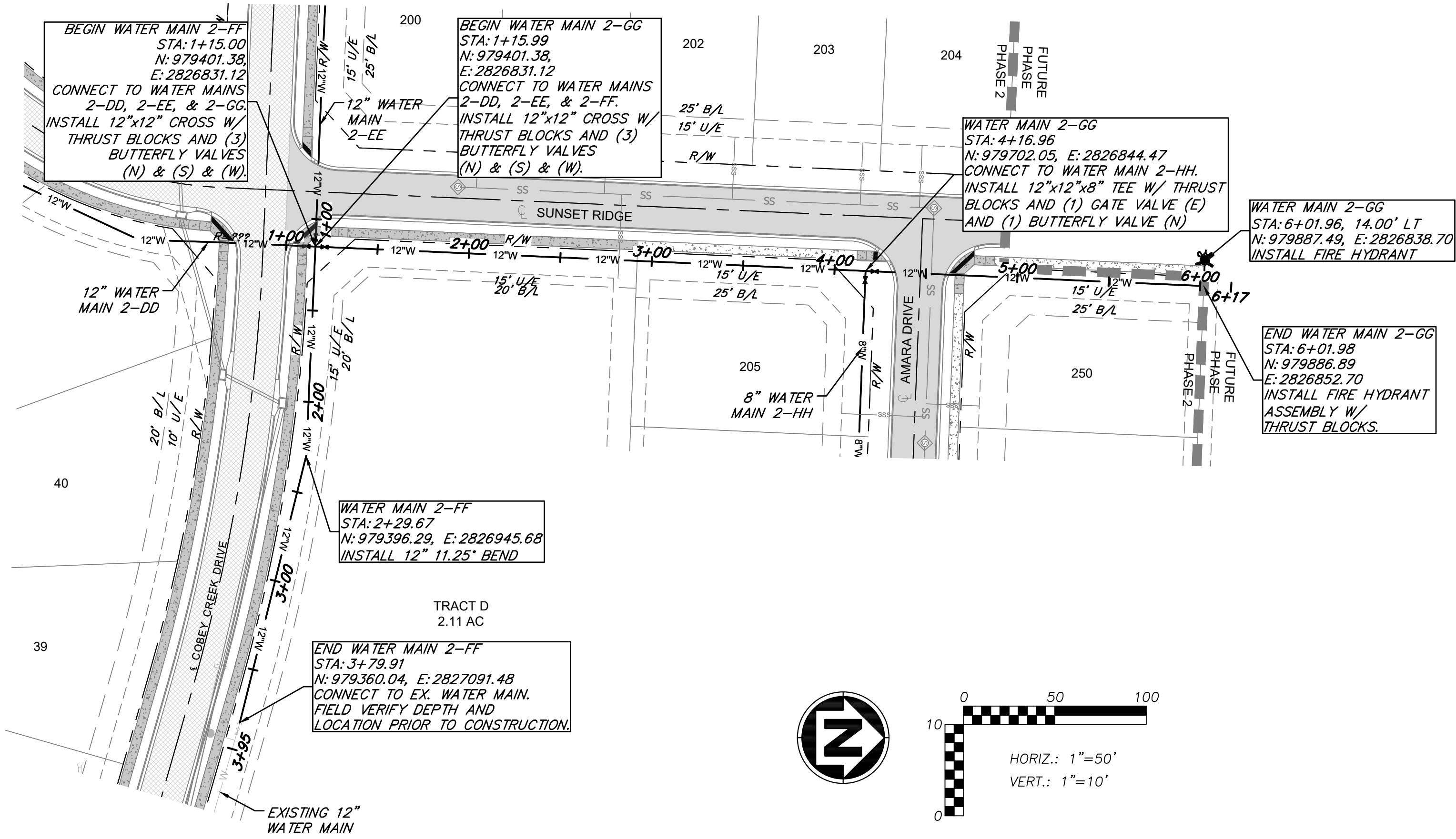


SHEET NUMBER
C205
6 OF 16

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Aug 30, 2022 - 10:40am Plotted By: caba G:\Shared drives\KC10 - Land Development\Projects\2021\21KC10060 Cobey Creek Residential\01 CIVIL\03-DWG\Sheet\WATER MAIN\21KC10060 - SHTS - P&P WATER LINE 2-FF AND 2-GG.dwg Layout: 7 - WATER LINE 2-FF AND 2-GG PLAN & PROFILE

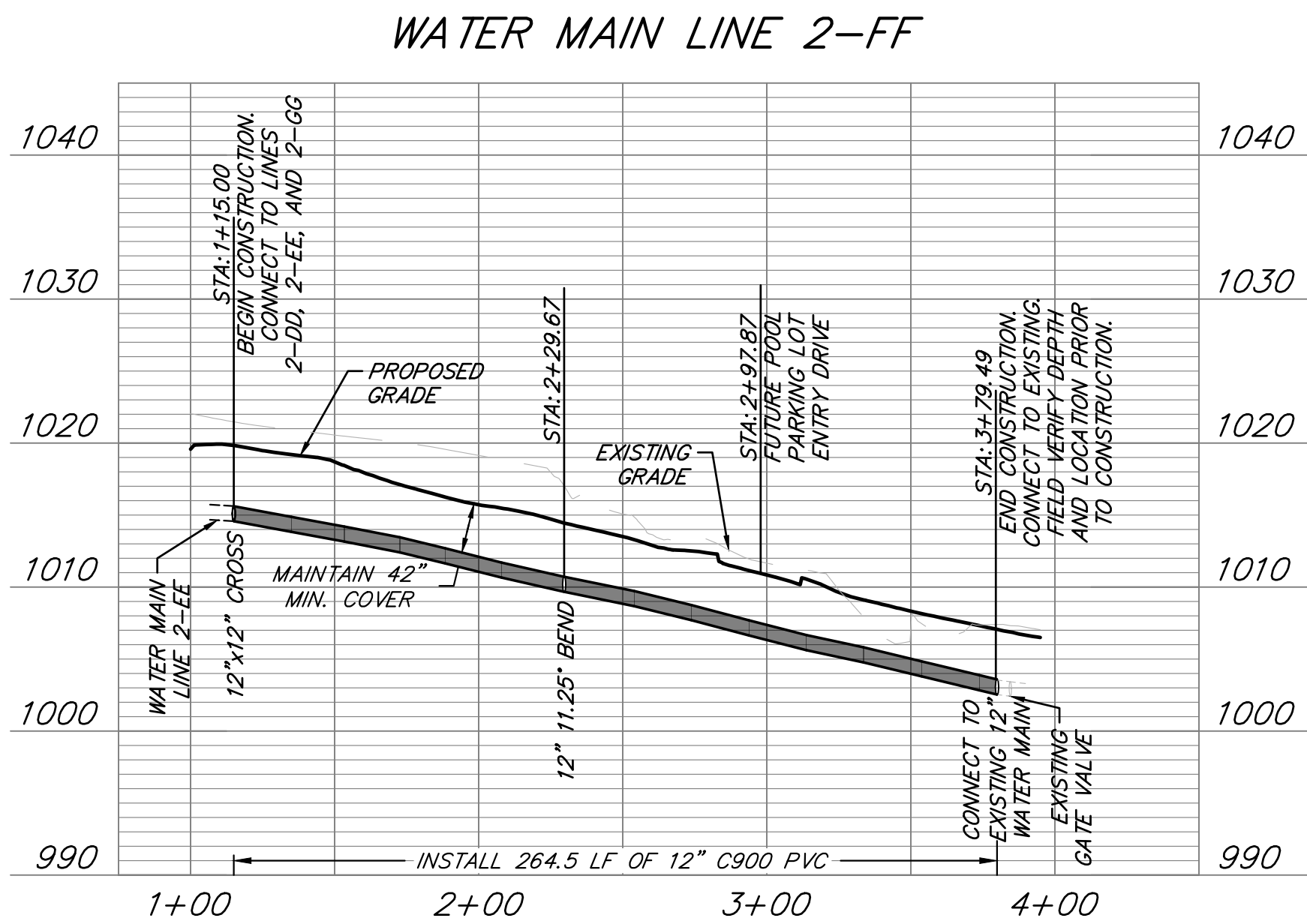


WATER MAIN NOTES:

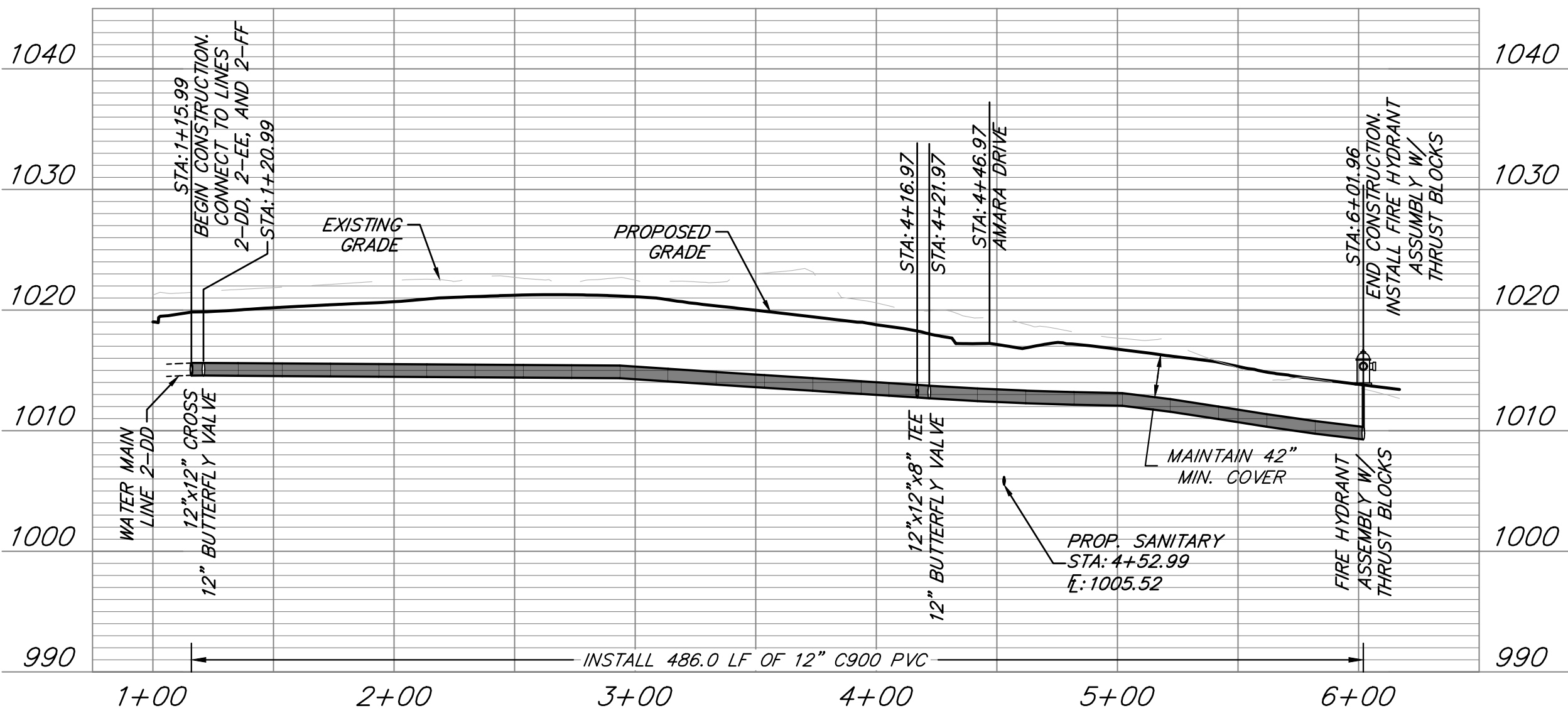
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- EXISTING SIDEWALK



WATER MAIN LINE 2-GG



CLAYTON PROPERTIES GROUP
COBEY CREEK - 2ND PLAT - WATER MAIN

WATER LINE 2-FF AND 2-GG
PLAN & PROFILE

S29, T47N, R31W
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI



SHEET NUMBER
C206
7 OF 16

DRAWING INFO.

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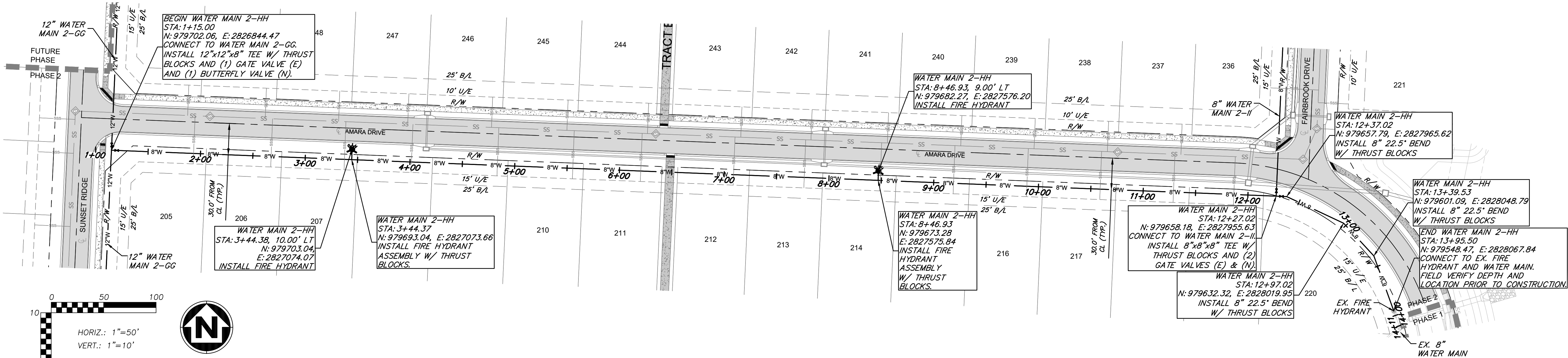
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WATER MAIN NOTES:

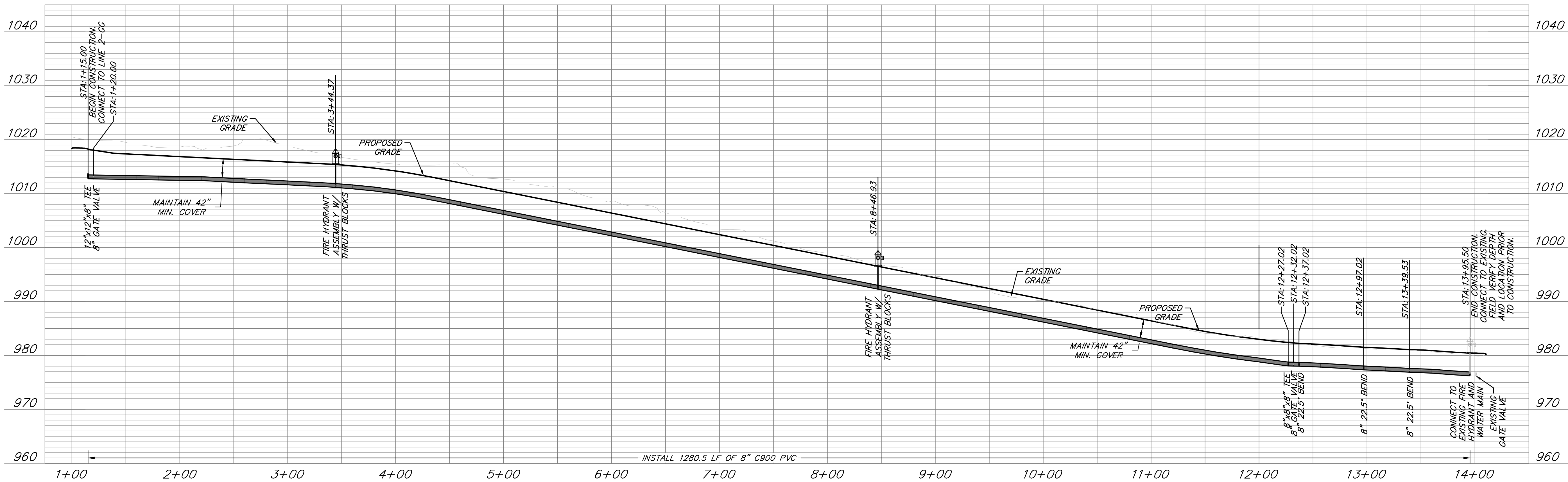
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LEGEND

- PROP. STREET C
- PROP. RIGHT-OF-WAY
- PROP. UTILITY EASEMENT
- PROP. BUILDING SETBACK
- PROP. LOT LINE
- PROP. WATER LINE
- PROP. SSWR
- PROP. SSWR SERVICE
- PROP. LOCAL PAVEMENT
- PROP. COLLECTOR PAVEMENT
- PROP. SIDEWALK
- EXISTING SIDEWALK



WATER MAIN LINE 2-HH



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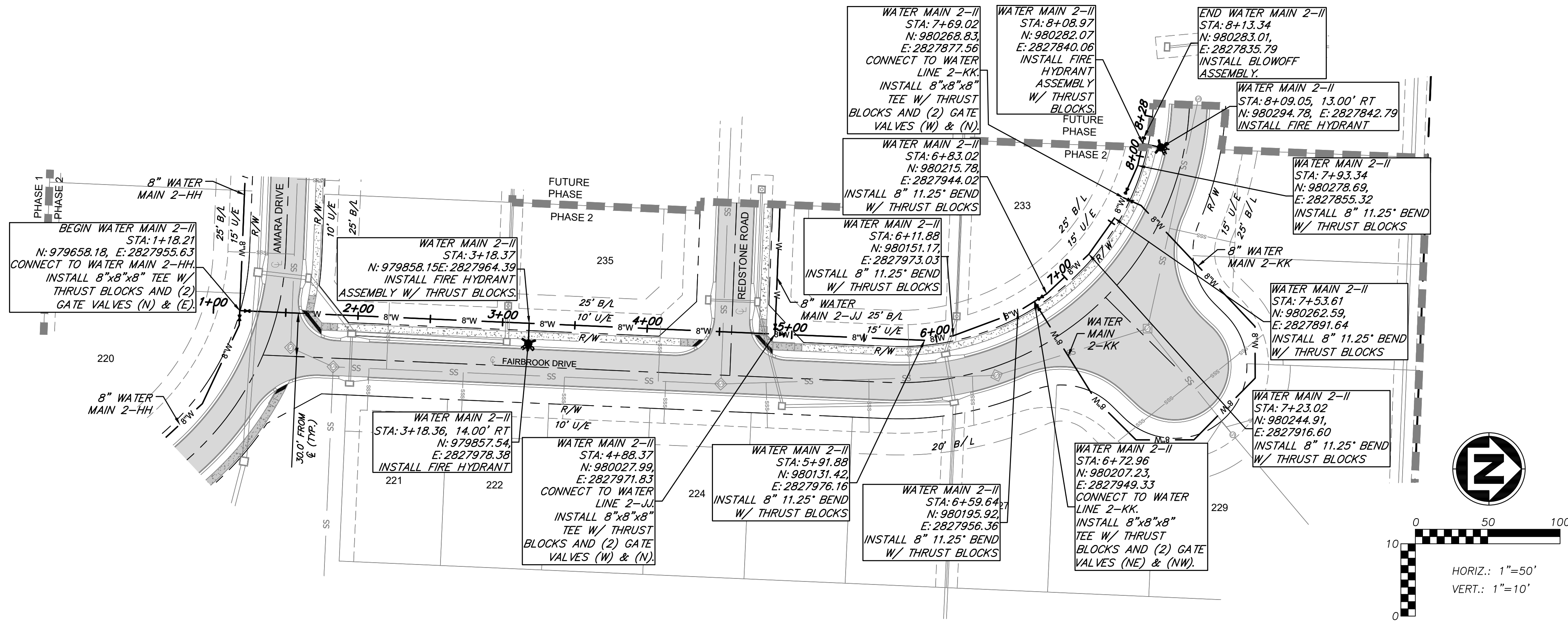
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2	REVISED PER CITY COMMENTS	GC	7/22/22
3	REVISED PER CITY COMMENTS	CA	8/30/22
ISSUED FOR:		FOR REVIEW	
JOB NUMBER:		21KC10060	

CLAYTON PROPERTIES GROUP
COBEY CREEK - 2ND PLAT - WATER MAIN

**WATER LINE 2-HH
PLAN & PROFILE**

S29, T47N, R31W
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

SHEET NUMBER
C207
8 OF 16



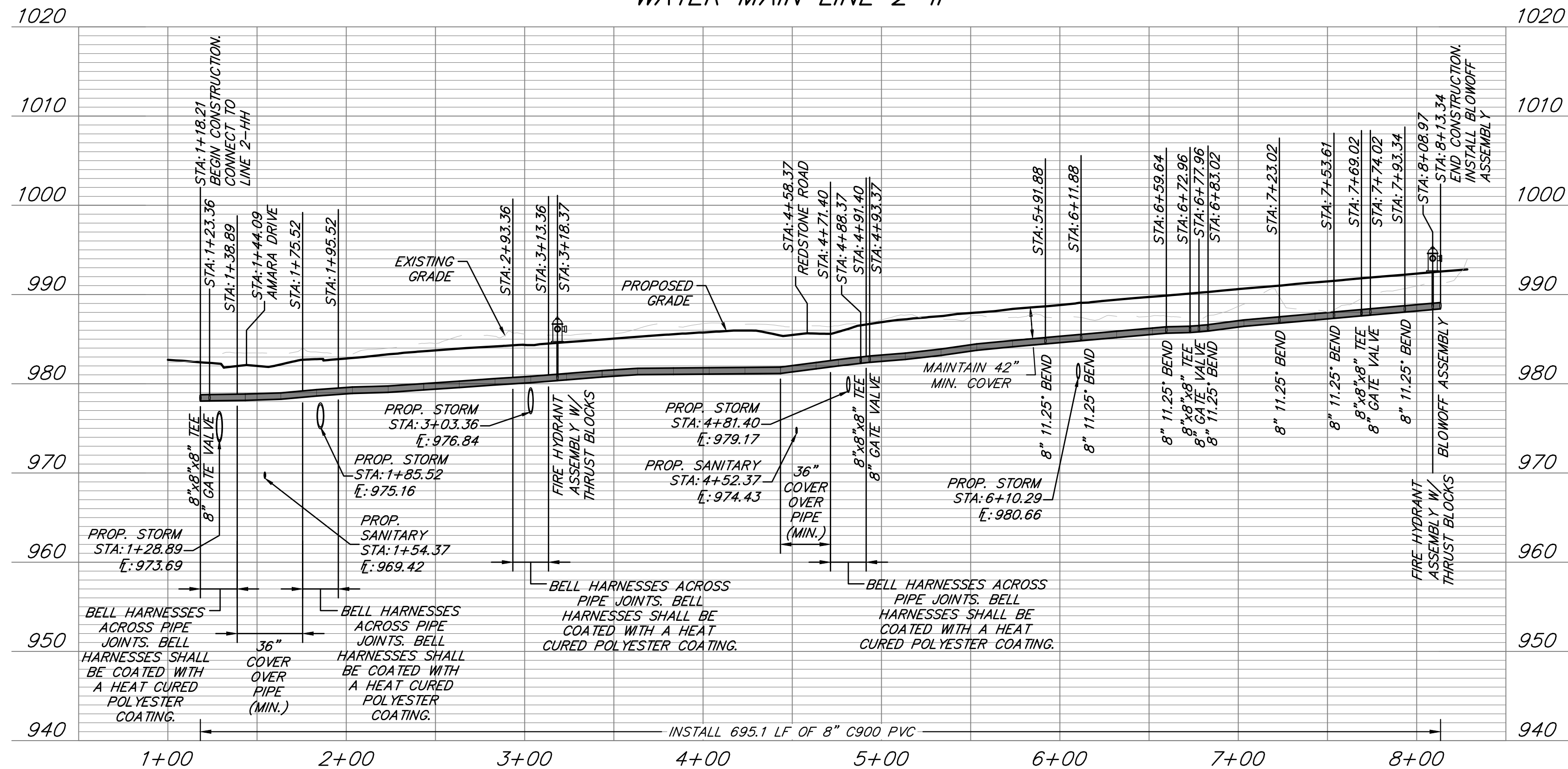
LEGEND

	PROP. STREET E
	PROP. RIGHT-OF-WAY
	PROP. UTILITY EASEMENT
	PROP. BUILDING SETBACK
	PROP. LOT LINE
	PROP. WATER LINE
	PROP. SSWR
	PROP. SSWR SERVICE
	PROP. LOCAL PAVEMENT
	PROP. COLLECTOR PAVEMENT
	PROP. SIDEWALK
	EXISTING SIDEWALK



HORIZ.: 1"=50'
VERT.: 1"=10'

WATER MAIN LINE 2-II



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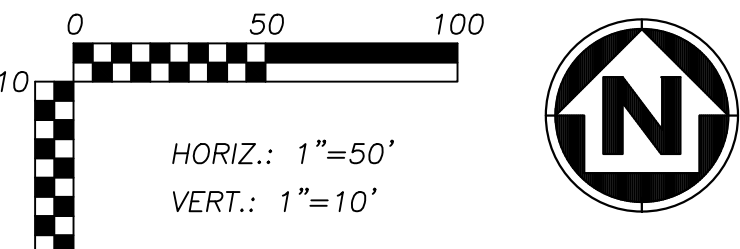
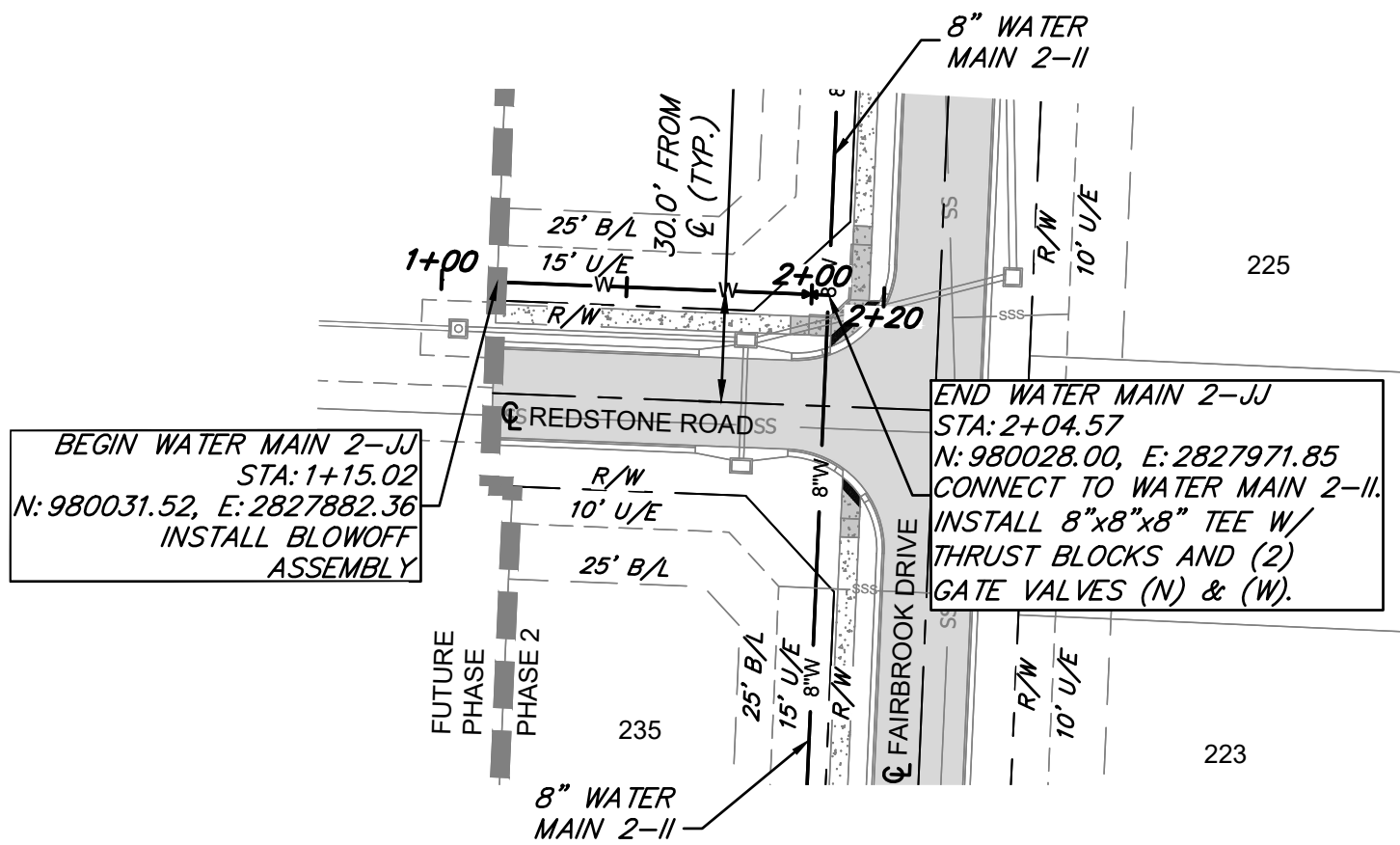


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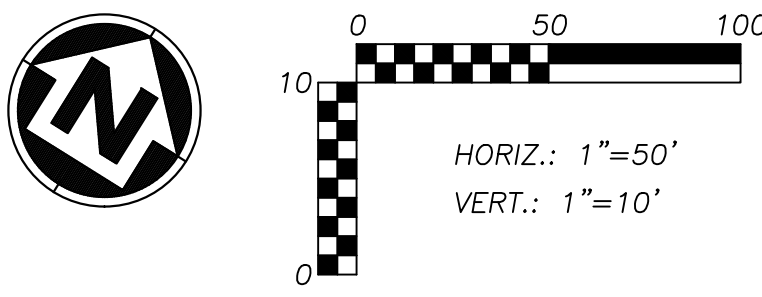
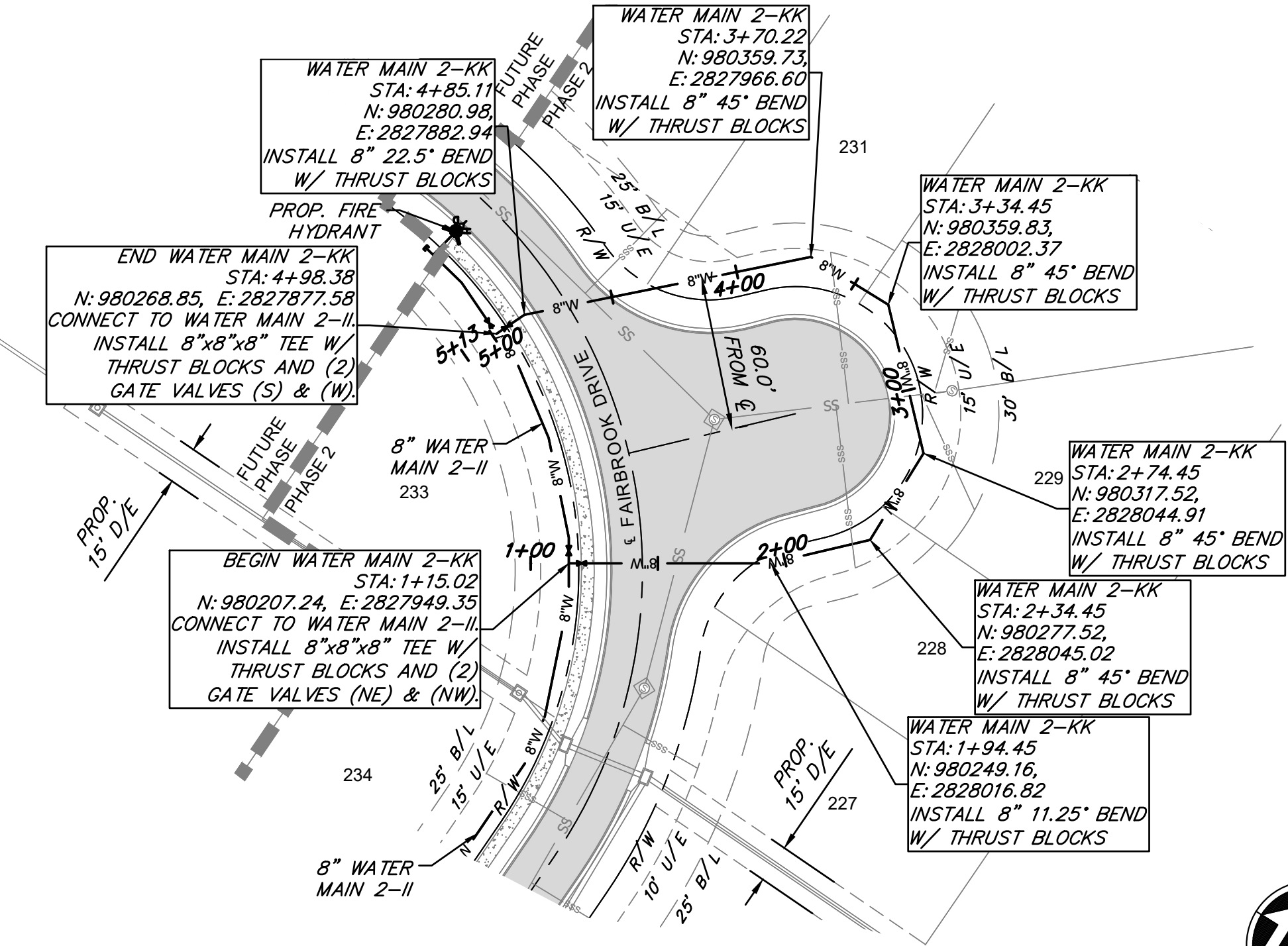
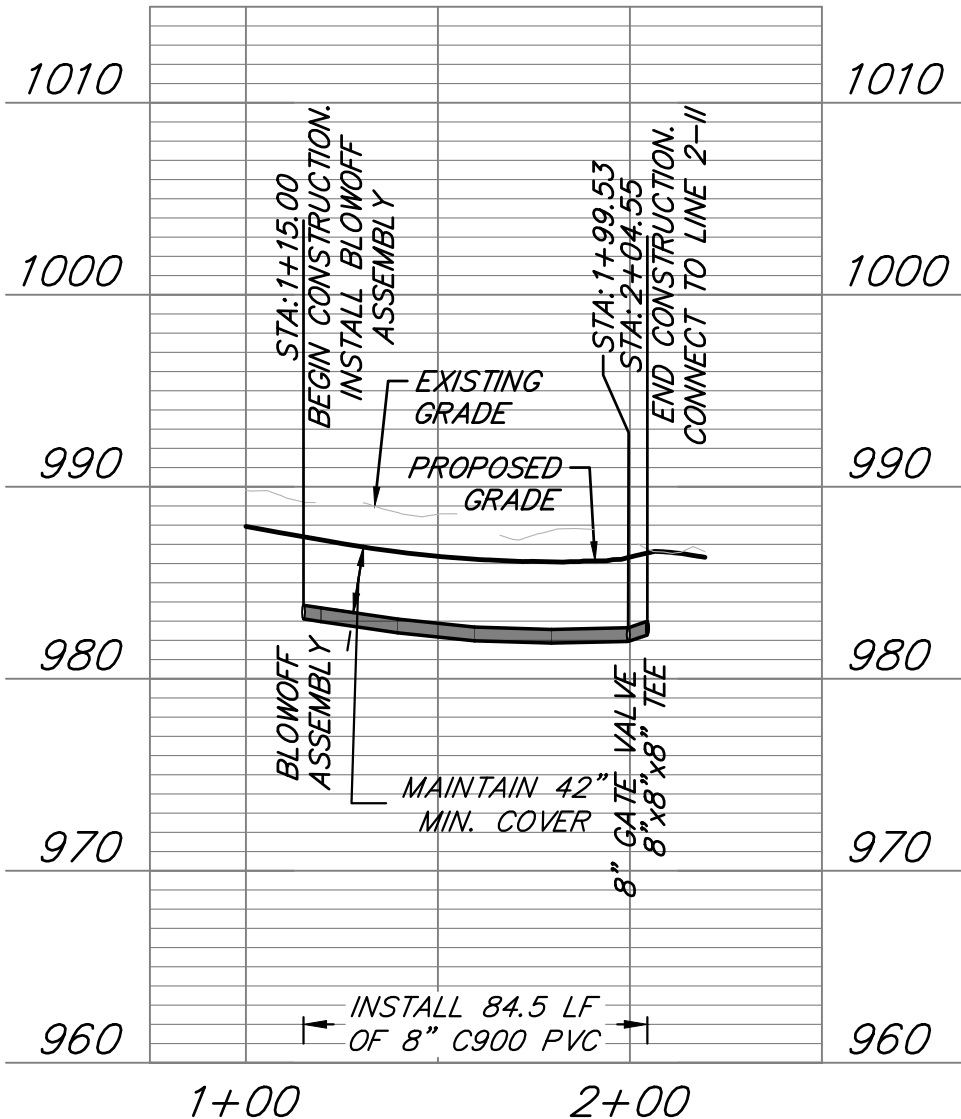
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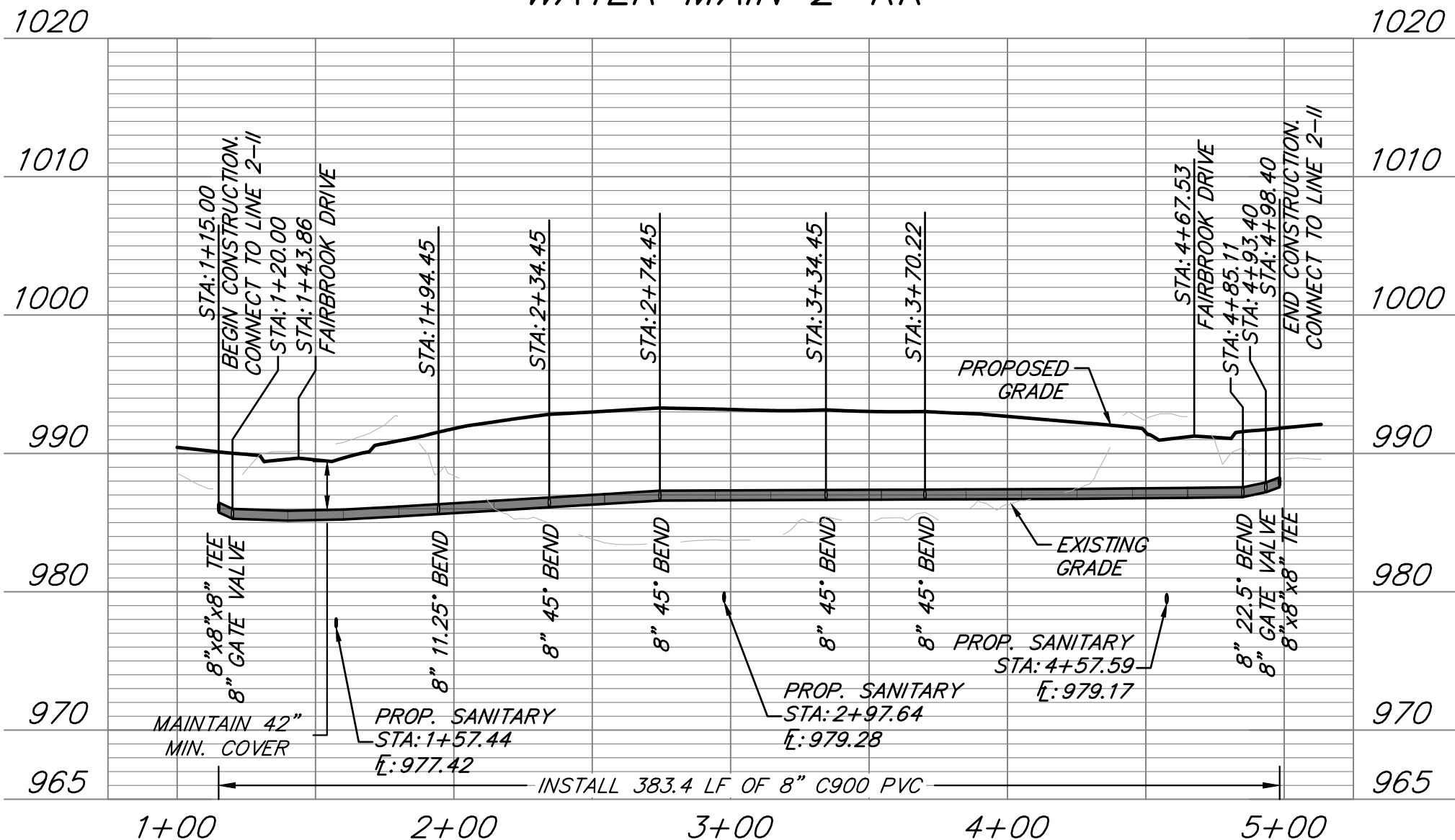
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- PROP. RIGHT-OF-WAY
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- PROP. WATER LINE
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- PROP. COLLECTOR PAVEMENT
- PROP. SIDEWALK
- EXISTING SIDEWALK



WATER MAIN LINE 2-JJ



WATER MAIN 2-KK



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JOB NUMBER:		21KC10060	

CLAYTON PROPERTIES GROUP
COBEY CREEK - 2ND PLAT - WATER MAIN

WATER LINE 2-JJ AND 2-KK
PLAN & PROFILE

S29, T47N, R31W
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI



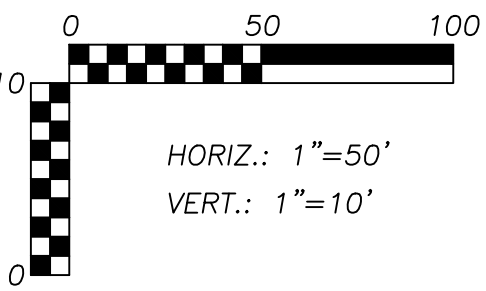
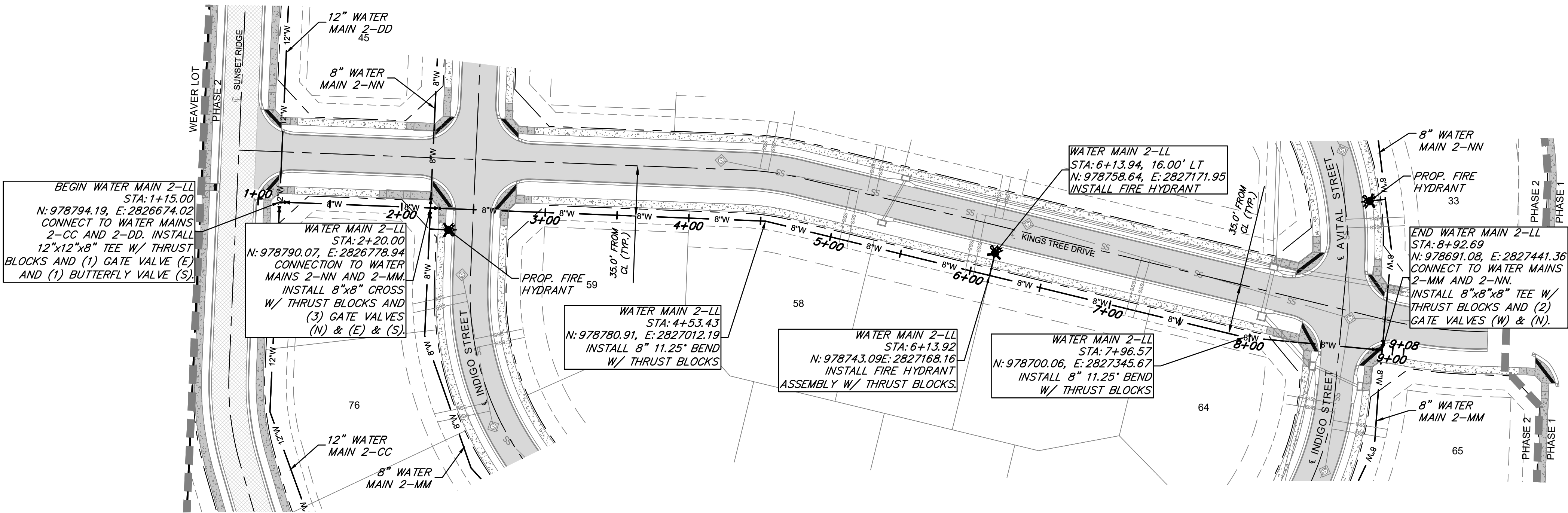
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WATER MAIN NOTES:

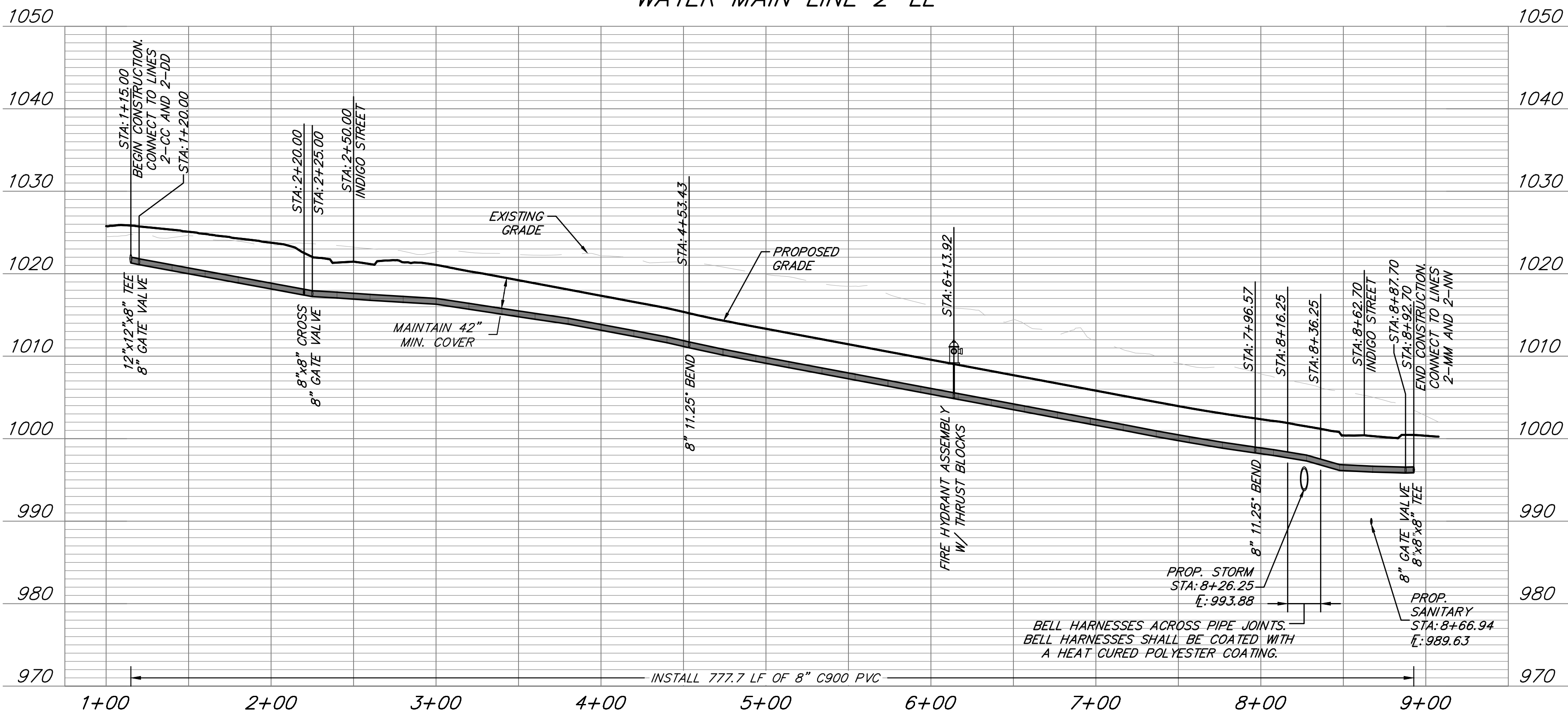
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- EXISTING SIDEWALK



WATER MAIN LINE 2-LL



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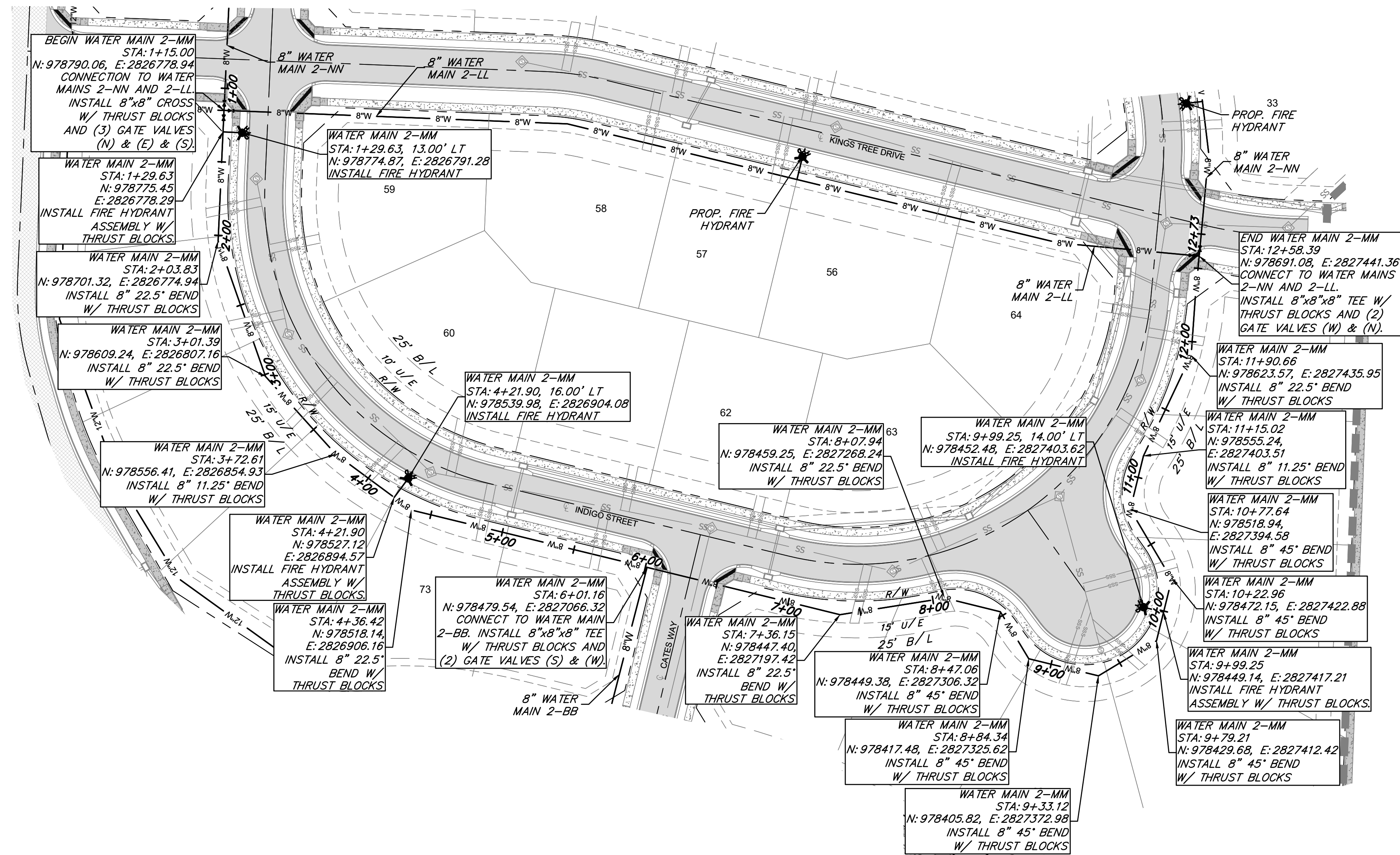
CLAYTON PROPERTIES GROUP
COBEY CREEK - 2ND PLAT - WATER MAIN

WATER LINE 2-LL
PLAN & PROFILE

S29, T47N, R31W
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI



SHEET NUMBER
C210
11 OF 16

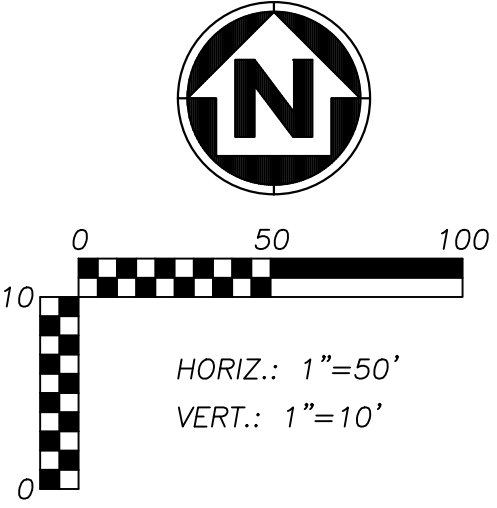


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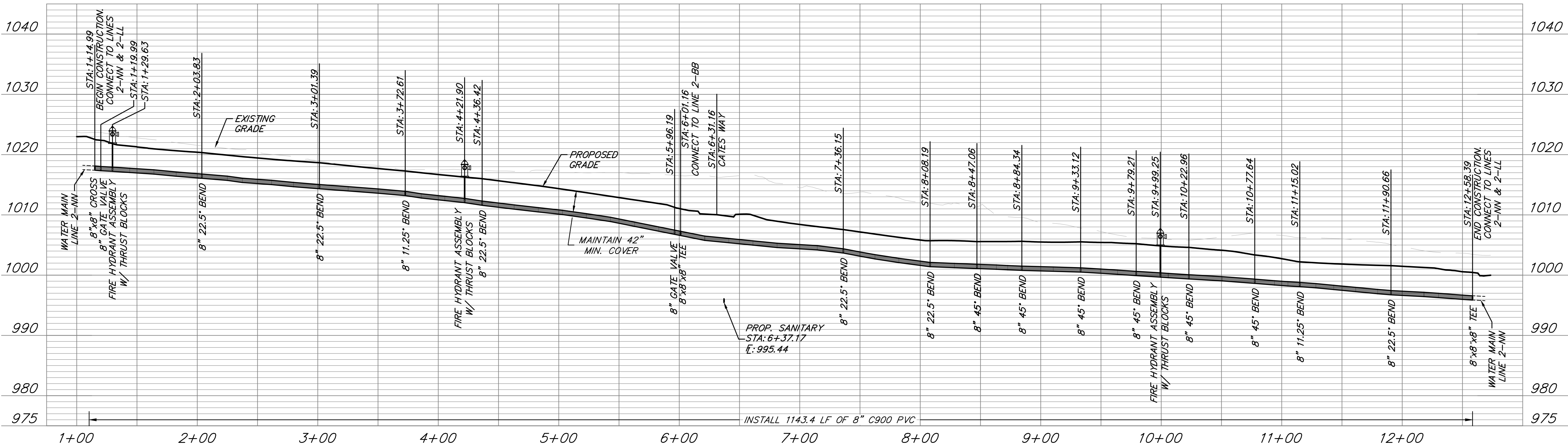
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LEGEND

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- EXISTING SIDEWALK



WATER MAIN LINE 2-MM



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CHECK BY:	CA
DATE:	03/14/2022
ISSUED FOR:	FOR REVIEW
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CLAYTON PROPERTIES GROUP
COBEY CREEK - 2ND PLAT - WATER MAIN

**WATER LINE 2-MM
PLAN & PROFILE**

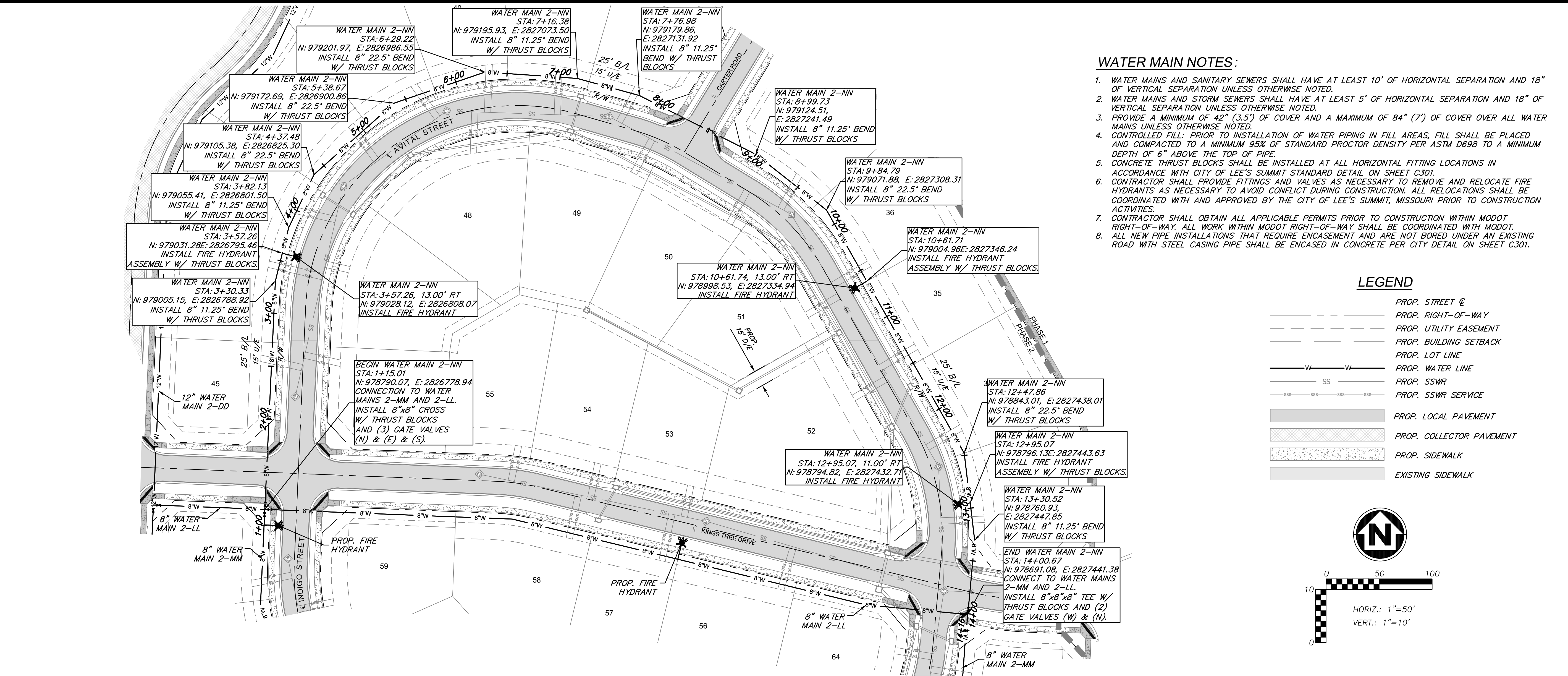
S29, T47N, R31W
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

C211
12 OF 16

SHEET NUMBER

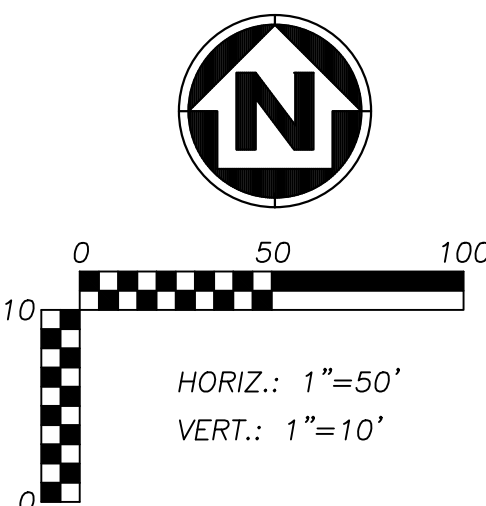


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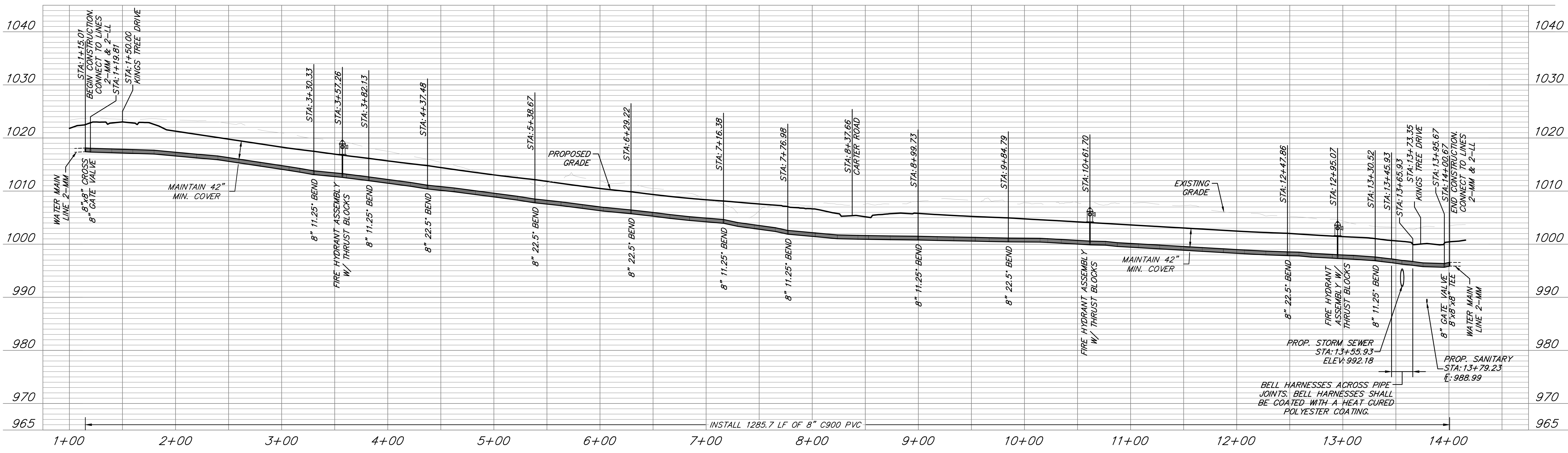


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WATER MAIN LINE 2-NN



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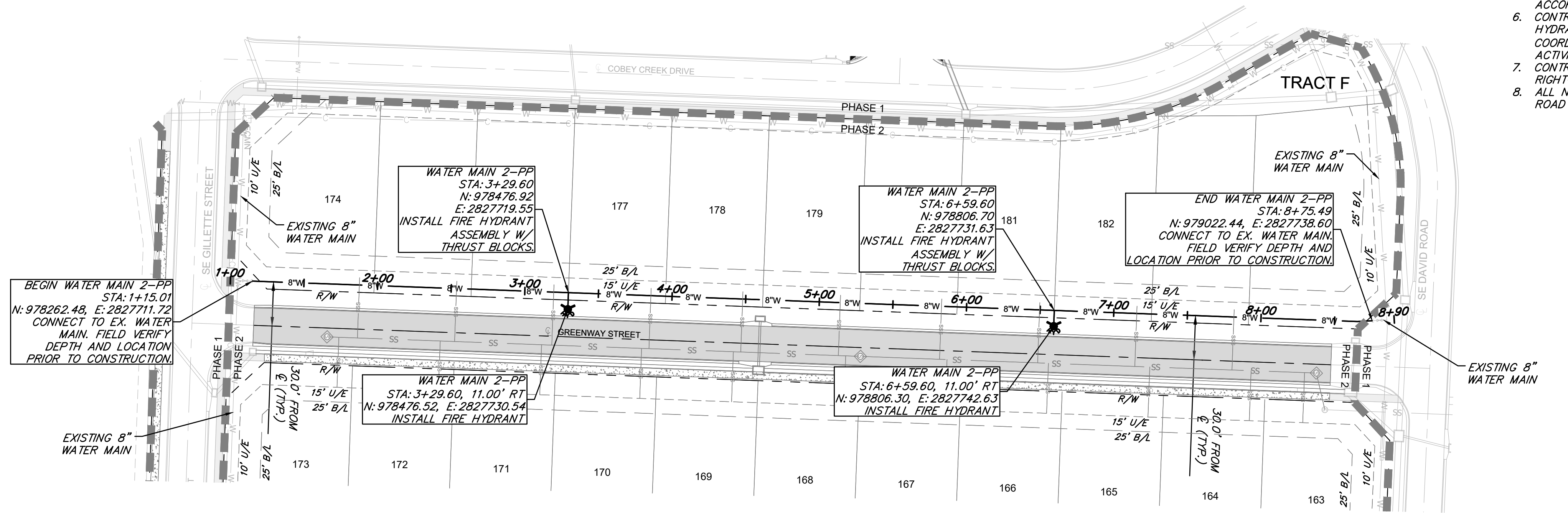
CLAYTON PROPERTIES GROUP
COBEY CREEK - 2ND PLAT - WATER MAIN

**WATER LINE 2-NN
PLAN & PROFILE**

S29, T47N, R31W
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

GARRETT R. GATES
Professional Engineer
PE-2021025089
08/30/22

SHEET NUMBER
C212
13 OF 16

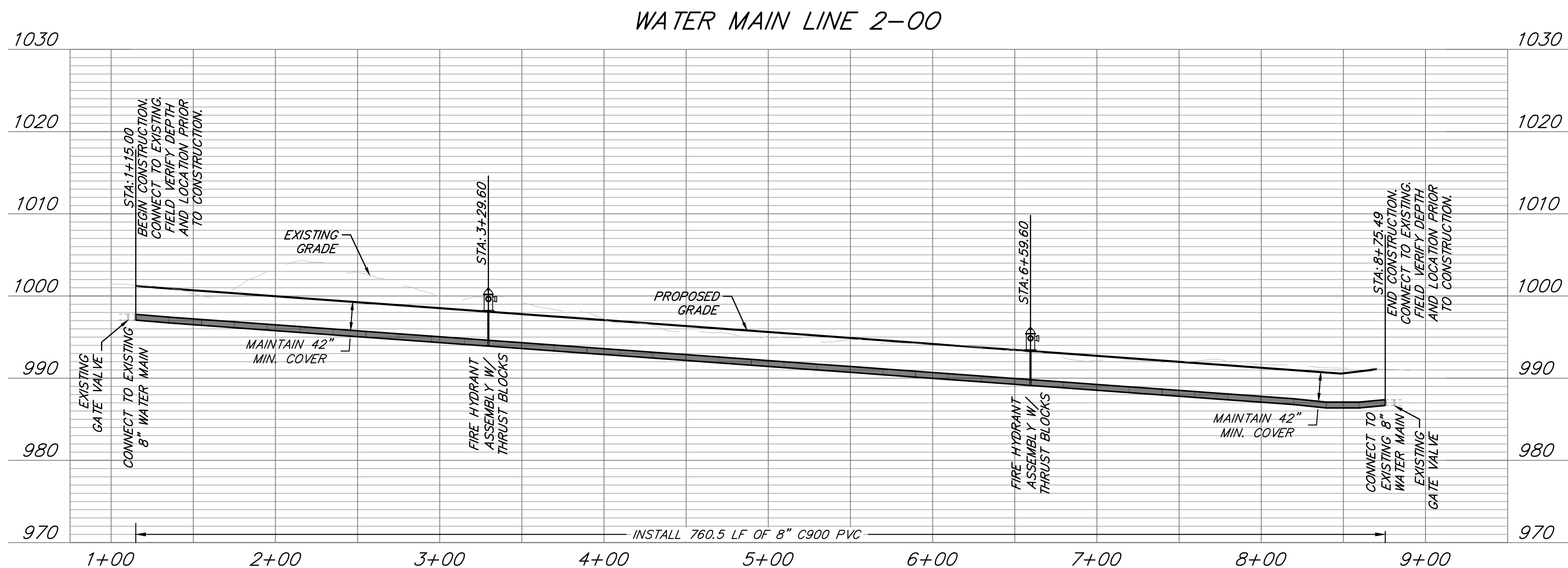
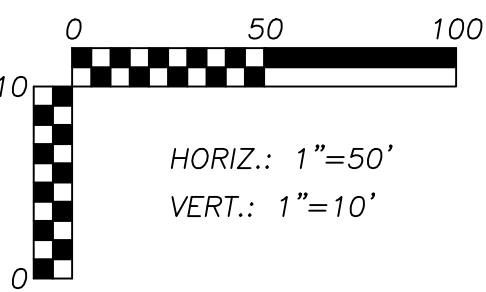


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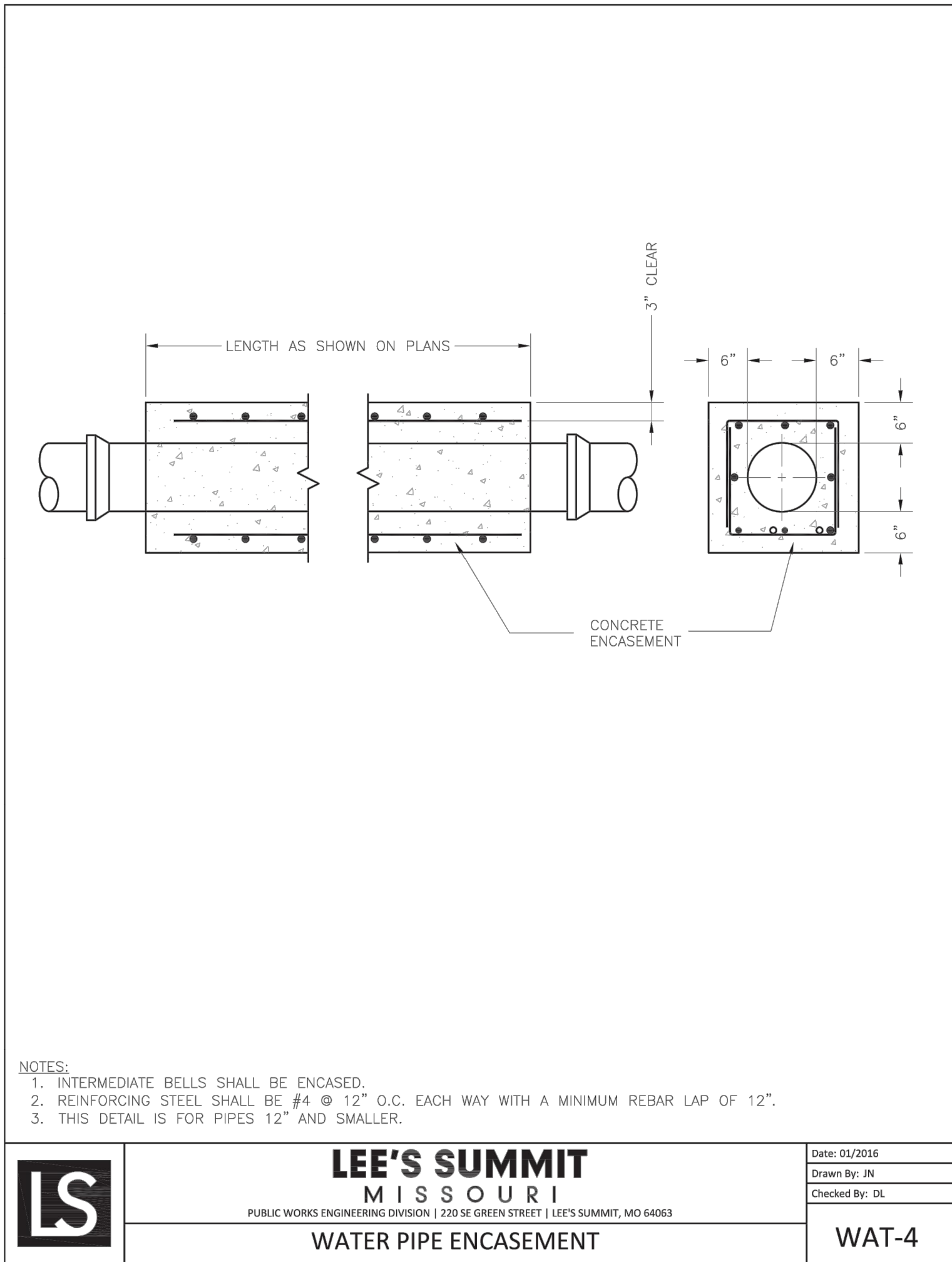
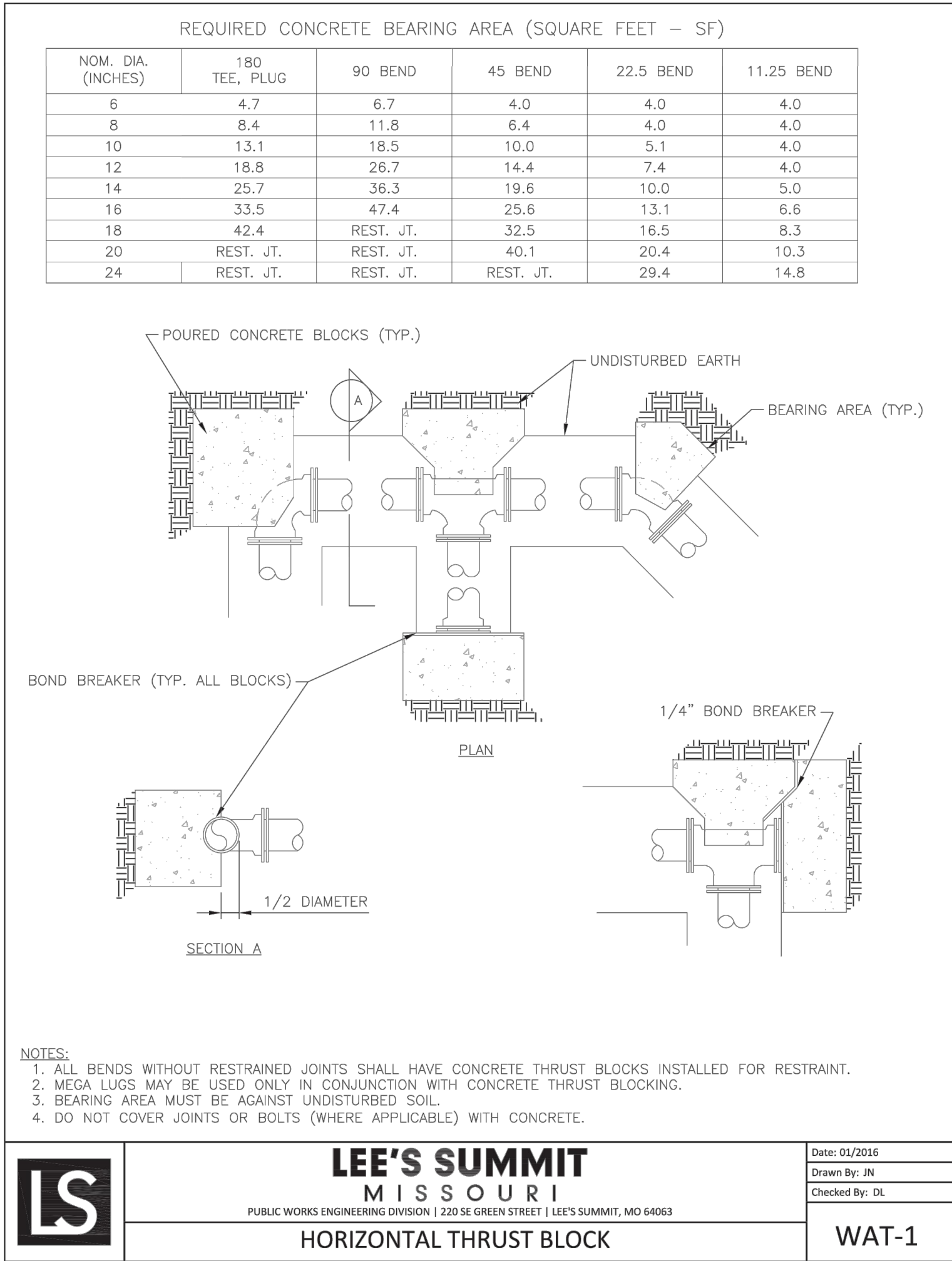
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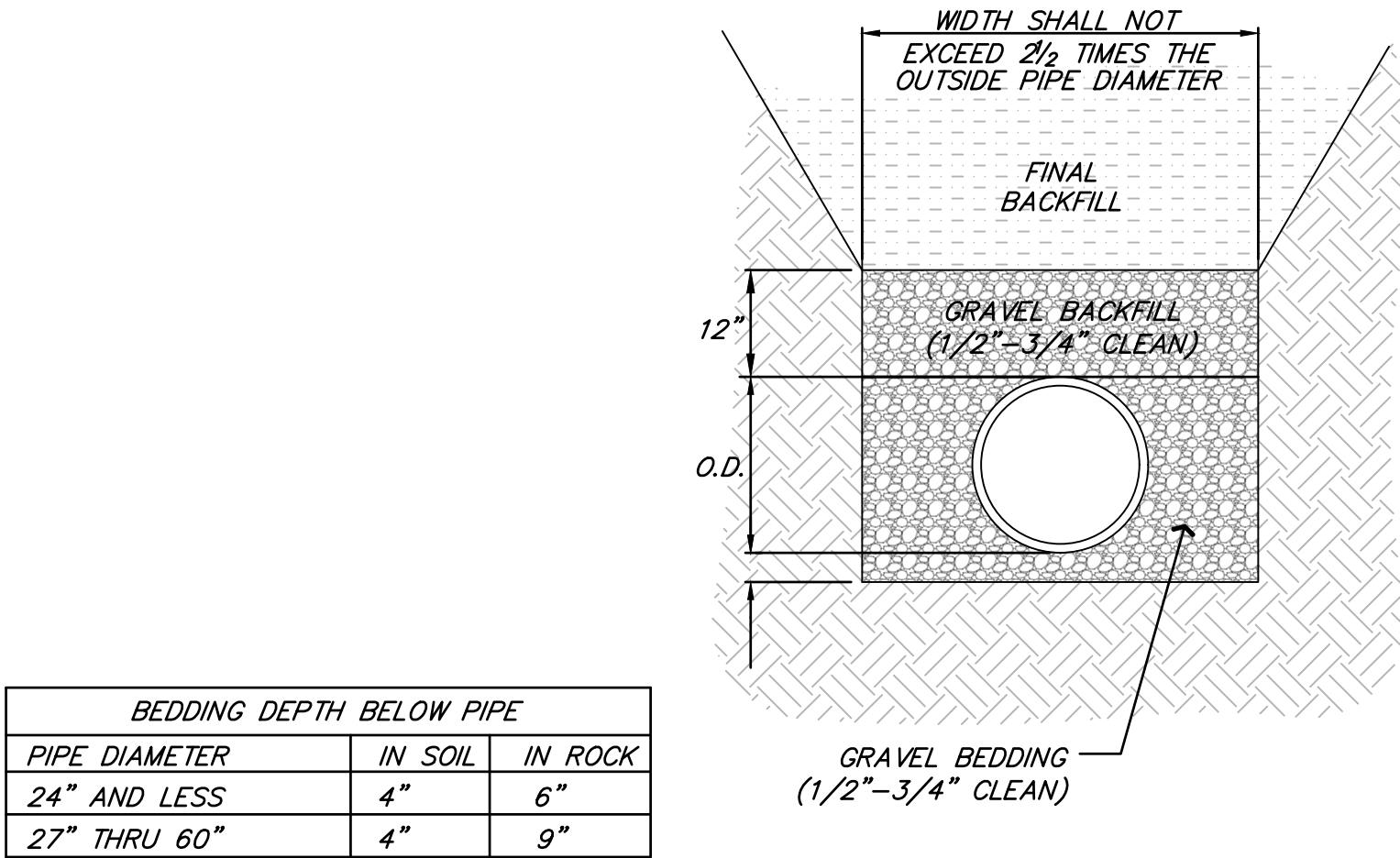


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JOB NUMBER:		21KC10060	

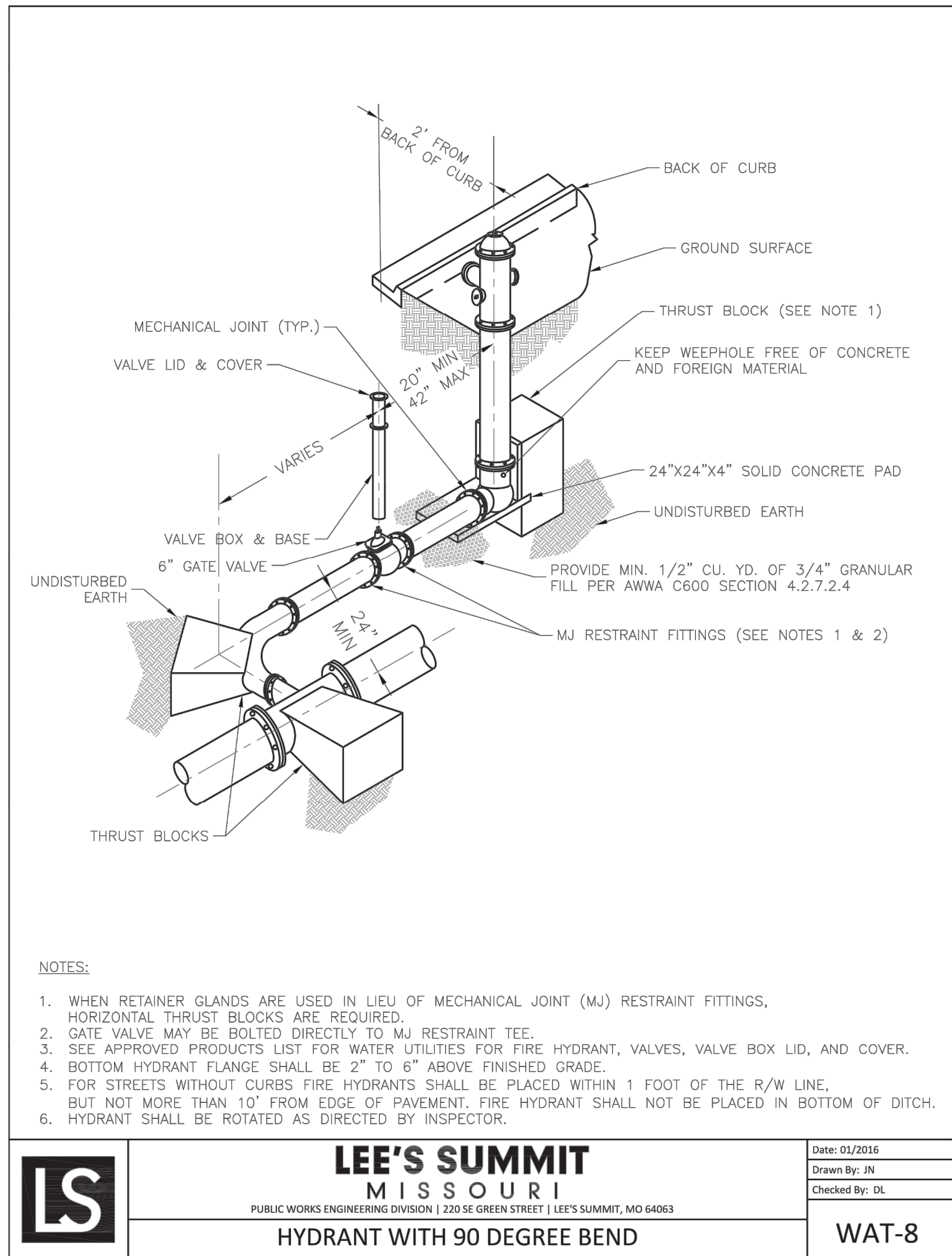
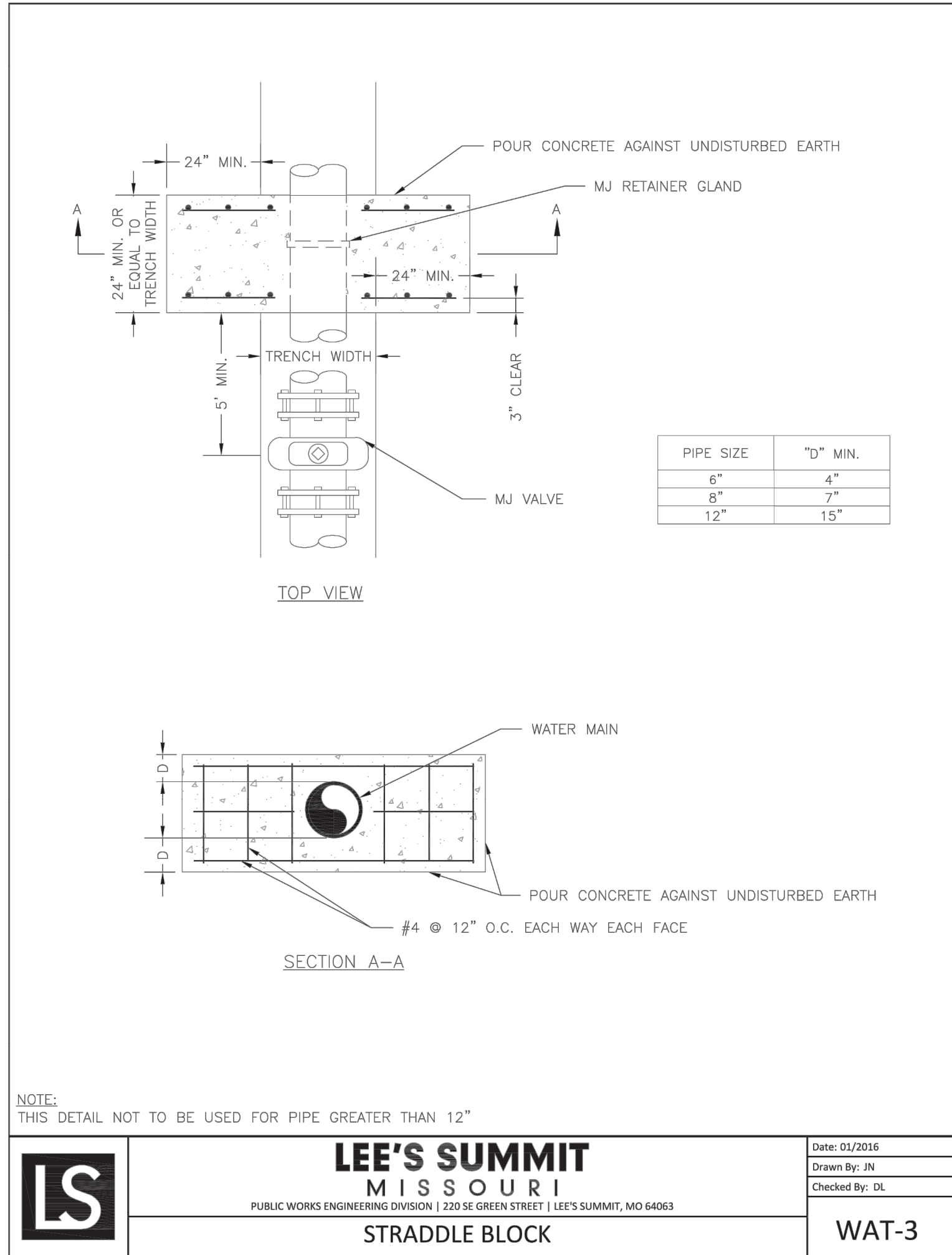
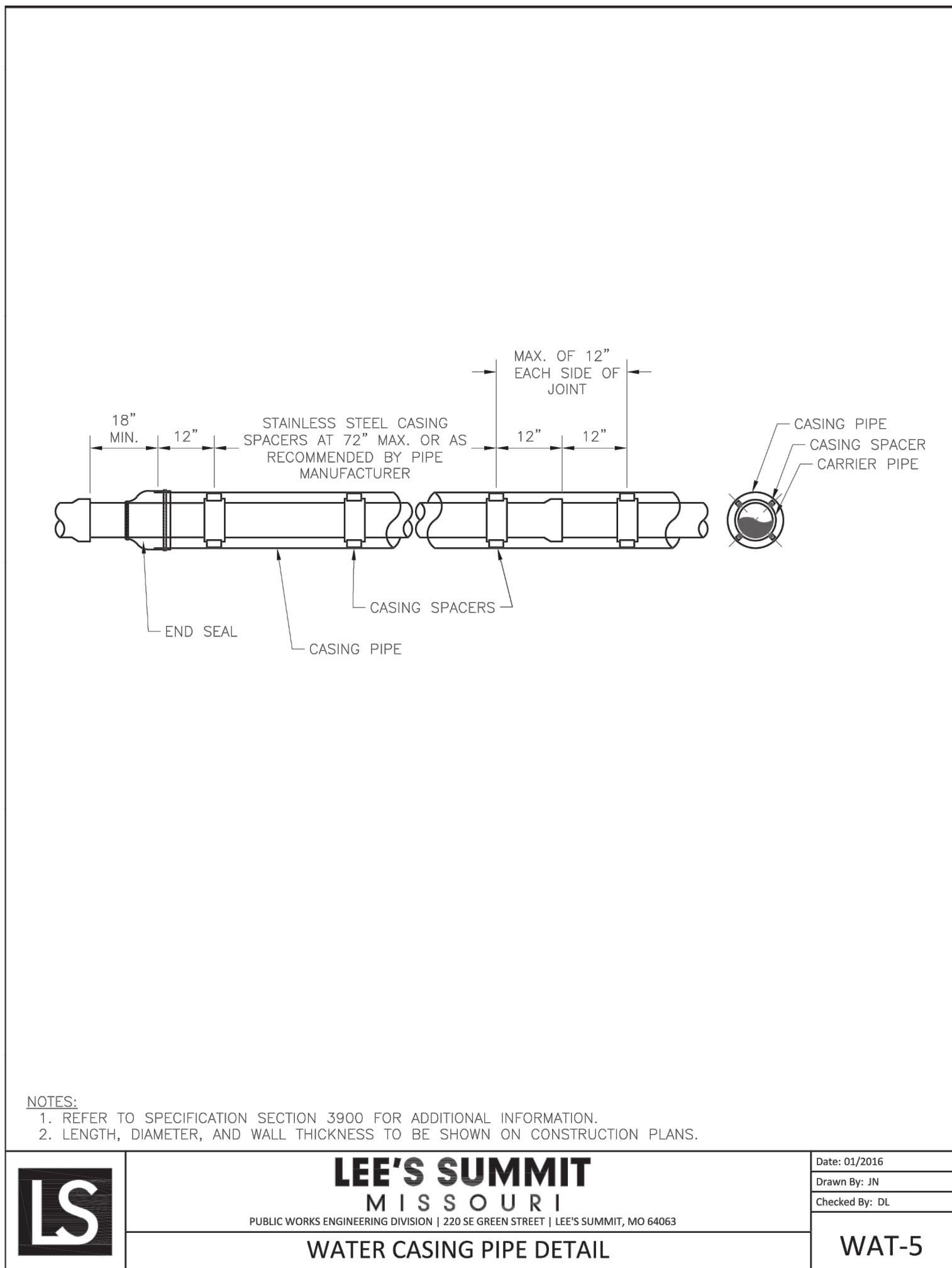




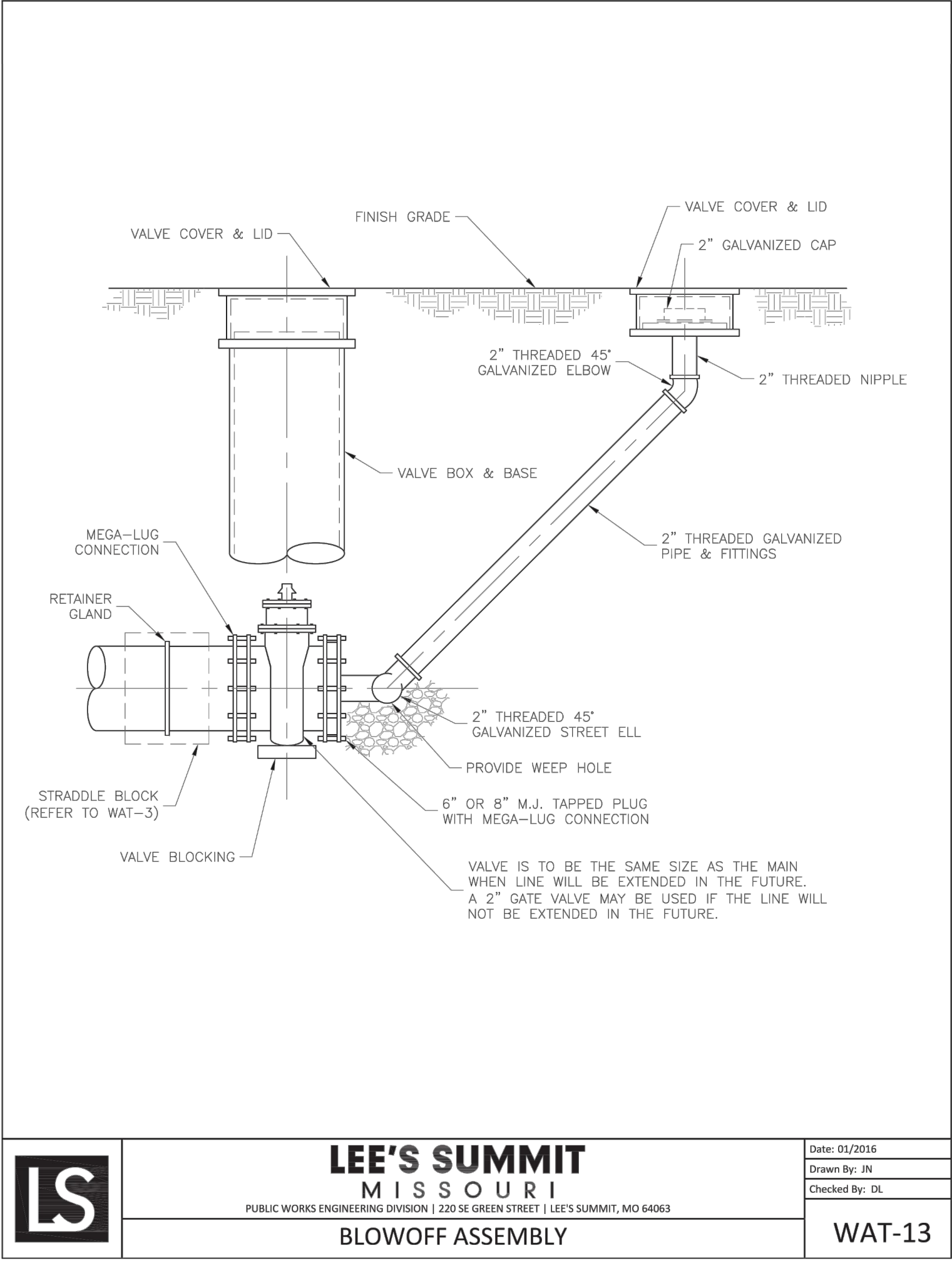
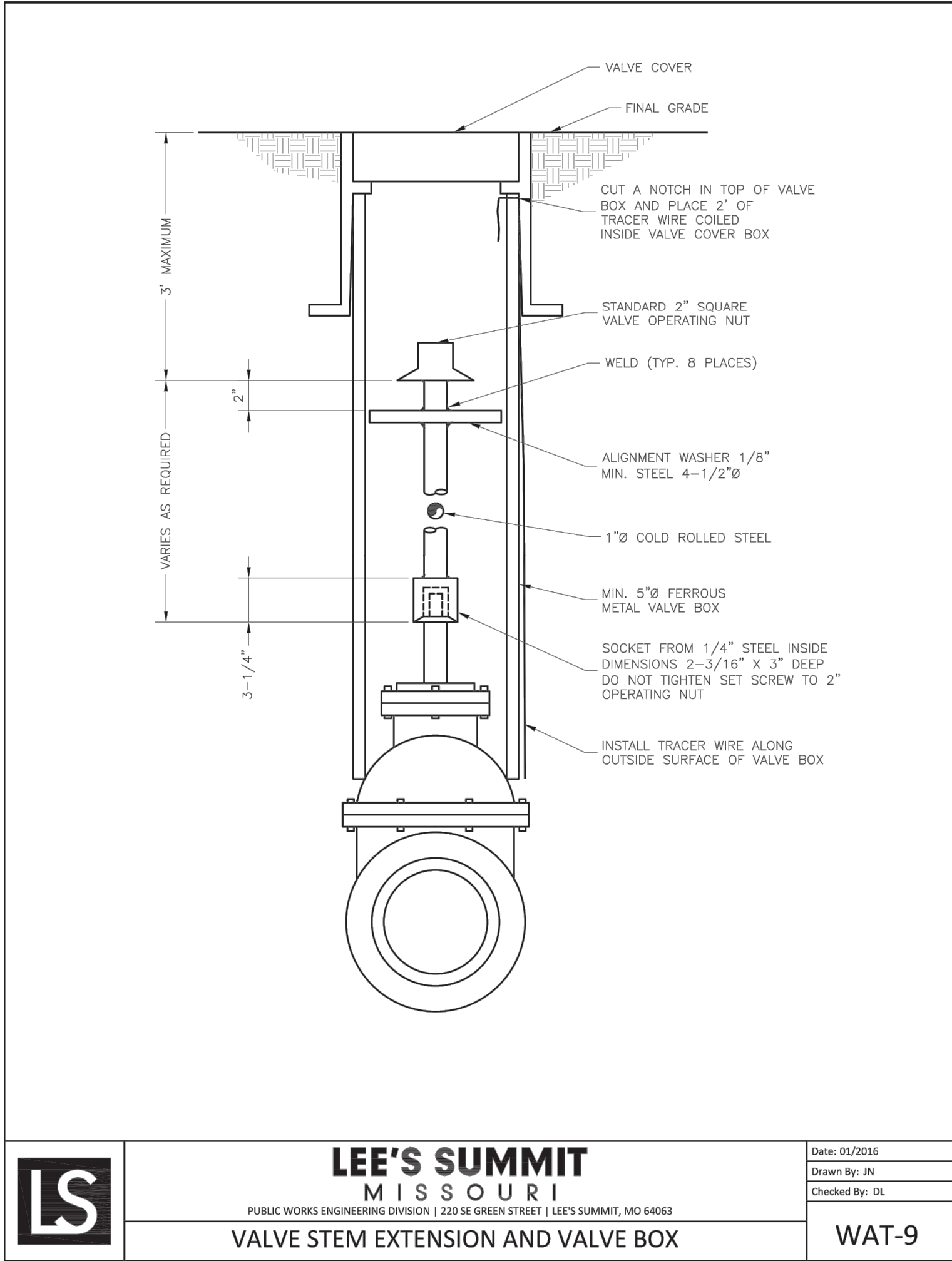
BEDDING
1/2"-3/4" CLEAN AGGREGATE, HAND TAMPED OR MECHANICALLY COMPACTED IN MAX. 4" LIFTS
INITIAL BACKFILL
-UNDER PAVED AREAS OR WITHIN 4' HORIZONTAL OF PAVED AREAS
1/2"-3/4" CLEAN AGGREGATE, HAND TAMPED OR MECHANICALLY COMPACTED IN MAX. 4" LIFTS
-UNDER OPEN AREAS
1/2"-3/4" CLEAN AGGREGATE, HAND TAMPED OR MECHANICALLY COMPACTED IN MAX. 4" LIFTS
FINAL BACKFILL
-UNDER PAVED AREAS OR WITHIN 4' HORIZONTAL OF PAVED AREAS
ON-SITE OR IMPORTED MATERIAL FREE OF MUCK, FROZEN MATERIAL, EXCESS MOISTURE, ORGANICS, TOPSOIL, RUBBISH, CONSTRUCTION DEBRIS, ROCK OR BRICK LARGER THAN 8", COMPACTED TO 95% OF STANDARD DENSITY PER ASTM D-698
-UNDER OPEN AREAS
ON-SITE OR IMPORTED MATERIAL FREE OF MUCK, FROZEN MATERIAL, EXCESS MOISTURE, ORGANICS, TOPSOIL, RUBBISH, CONSTRUCTION DEBRIS, ROCK OR BRICK LARGER THAN 8", COMPACTED TO 90% OF STANDARD DENSITY PER ASTM D-698



PIPE BEDDING DETAIL
NOT TO SCALE



REVISIONS		DRAWING INFO.	
NO.	DESCRIPTION	BY	DATE
1	REVISED PER CITY COMMENTS	CA	5/11/22
2	REVISED PER CITY COMMENTS	GC	7/22/22
3	REVISED PER CITY COMMENTS	CA	8/30/22
ISSUED FOR:		FOR REVIEW	
JOB NUMBER:		21KC10060	



CLAYTON PROPERTIES GROUP
COBEY CREEK - 2ND PLAT - WATER MAIN

WATER MAIN DETAILS II

S29, T47N, R31W
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

SHEET NUMBER
C302
16 OF 16

REVISIONS		DRAWING INFO.			
NO.	DESCRIPTION	BY	DATE	DRAWN BY:	CA
1	REVISED PER CITY COMMENTS	CA	5/11/22	CHECK BY:	GC
2	REVISED PER CITY COMMENTS	GC	7/22/22	LICENSE NO.	PE-2021025089
3	REVISED PER CITY COMMENTS	CA	8/30/22	DATE:	03/14/2022
				ISSUED FOR:	FOR REVIEW
				JOB NUMBER:	21KC10060

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