

CASCADE CHARTER TOWNSHIP
CITIZENS PFAS COMMITTEE MEETING

January 13, 2022 at 4:00pm
Cascade Library – Wisner Center
2870 Jacksmith Dr. SE
Grand Rapids, MI 49546

- ARTICLE 1.** Call the Meeting to Order
- ARTICLE 2.** Approval of the Agenda
- ARTICLE 3.** Acknowledge Visitors & Public Comment
- ARTICLE 4.** Approval of Minutes from 12.02.21 meeting
- ARTICLE 5.** Update on Public Water Extension Project
- Prien & Newhof & City of Grand Rapids representatives to review 50% plans
- ARTICLE 6.** Planning for February 3rd Resident Meeting
- ARTICLE 7.** Superfund Designations for PFAS sites
- ARTICLE 8.** Roundtable / Q&A
- ARTICLE 9.** Public Comment
- ARTICLE 10.** Adjournment

CASCADE CHARTER TOWNSHIP
CITIZENS PFAS COMMITTEE MEETING

December 2, 2021 at 4:00pm
Cascade Library – Wisner Center
2870 Jacksmith Dr. SE
Grand Rapids, MI 49546

Members Present: Supervisor Grace Lesperance, Patti Baldwin, John Lipford, Kris White

Others Present: Township Manager (TM) Ben Swayze

ARTICLE 1. Call to Order: Meeting was called to order at 4:05 pm

ARTICLE 2. Approval of the Agenda: Motion by Supervisor Lesperance, Supported by Member White to approve the agenda. Motion carried.

ARTICLE 3. Acknowledge Visitors & Public Comment: No public comment

ARTICLE 4. Approval of Minutes from 10.7.21 meetings: Motion by Supervisor Lesperance, supported by Member Baldwin to approve the minutes. Motion carried.

ARTICLE 5. Update on Public Water Extension Project: TM Swayze gave the committee an update on what is going on with the design of the water extension project. The expectation is that P&N will be at the January meeting of the committee and be able to review 50% design drawings. Project is still on schedule for a late winter bid and spring construction beginning.

Discussion was held regarding the resident meeting. Should aim for a January meeting. Committee reviewed potential dates and a January 20 meeting with a January 27 alternate date will be looked at. TM Swayze will review to see if other partners will be available for those dates.

ARTICLE 6. Update on Water Filters for Houses Above PFAS Action Level and Bottled Water Service: TM Swayze gave an update on the Water Filters project. Installations are currently being scheduled. Funding for removal of filters have been included in the FY 2022 budget to be considered by the Board at the 12/15 meeting.

ARTICLE 7. Roundtable Q&A: Suggestion was made that the Township look into getting PFAS testing materials to provide to residents if needed. TM Swayze indicated he would look into it.

ARTICLE 8. Public Comment: None

ARTICLE 9. Adjournment: Motion by Member Lipford, Supported by Supervisor Lesperance, to adjourn at 4:56. Motion carried

Approved by the Citizens PFAS Committee – TBD

DRAFT

UTILITIES - CONTACT INFORMATION

PUBLIC

CITY OF GRAND RAPIDS TRAFFIC SAFETY DEPT.
509 WEALTHY ST. SW
GRAND RAPIDS, MI 49503
(616) 456-3847

CITY OF GRAND RAPIDS WATER SYSTEM
1900 OAK INDUSTRIAL DR. NE
GRAND RAPIDS, MI 49505
(616) 456-3141 (616) 456-3000 AFTER HRS

KENT COUNTY ROAD COMMISSION
1500 SCRIBNER AVE. NW
GRAND RAPIDS, MI 49504
(616) 242-6910

KENT COUNTY DEPT. OF PUBLIC WORKS
(616) 336-2500

PRIVATE

CONSUMERS ENERGY COMPANY (ELECTRIC)
4000 CLAY AVE. SW
GRAND RAPIDS, MI 49501-0201
(616) 530-4115 (AERIAL DIST)
(616) 530-4381 (METRO UG)

AT&T (TEL/FIBER OPTIC)
955 36TH ST. SE
GRAND RAPIDS, MI 49508
(866) 491-2069

DTE ENERGY/MICHCON (NATURAL GAS)
444 WEALTHY ST. SW
GRAND RAPIDS, MI 49503
(800) 947-5000

COMCAST (CABLE TV)
955 CENTURY AVE. SW
GRAND RAPIDS, MI 49503
(269) 209-9908



**CITY OF GRAND RAPIDS
GRAND RAPIDS, MICHIGAN
PUBLIC SERVICES**

**WATER MAIN
IN
BURGER DRIVE, TANGLEWOOD DRIVE,
TRICKLEWOOD DRIVE,
TRICKLEWOOD COURT,
BROOKHILLS COURT, TUSCANY DRIVE,
CIMARRON DRIVE, TRIPOLI STREET,
AND TRIPOLI COURT
(BURGER-GOODWOOD NEIGHBORHOOD WATER MAIN - PHASE 1)**

BID SET				AS-BUILT RECORD	
BID SET NO.	DATE	BID SET NO.	DATE	CONTRACTOR	
				FIELD ENGINEER	
				INSPECTED BY	
				AS-BUILT BY	
				AS-BUILT DATE	
				BORINGS BY	
				WATER PIPE MANUFACTURER	
				SANITARY PIPE MANUFACTURER	
				STORM PIPE MANUFACTURER	

PERMITS					
E.G.L.E. WATER SYSTEM PERMIT NO.:		OTHER:		NO.:	
E.G.L.E. WASTEWATER SYSTEM PERMIT NO.:		OTHER:		NO.:	
M.D.O.T. RIGHT-OF-WAY PERMIT NO.:		OTHER:		NO.:	

CITY COMMISSION PROC. NO. _____ DATE _____

ADDITIONAL CITY COMMISSION PROCEEDINGS

MDOT AGREEMENT CONTRACT AWARDED

FINANCIAL AGREEMENT SHPO AGREEMENT

GRANT AGREEMENT COST SHARING AGREEMENT

PUBLIC UTILITIES EASEMENT (SEE EASEMENT DESCRIPTION SHEET)

PROCEEDING NO. _____ DATE _____ PURPOSE _____

INDEX OF SHEETS

- 1 TITLE SHEET
- WATER MAIN**
- 2-5 BURGER DRIVE
- 6-9 TANGLEWOOD DRIVE
- 10-12 TRICKLEWOOD DRIVE
- 13-14 TRICKLEWOOD COURT
- 15 BROOKHILLS COURT
- 16-18 TUSCANY DRIVE
- 19-20 CIMARRON DRIVE
- 21 TRIPOLI STREET
- 22 TRIPOLI COURT

MISCELLANEOUS

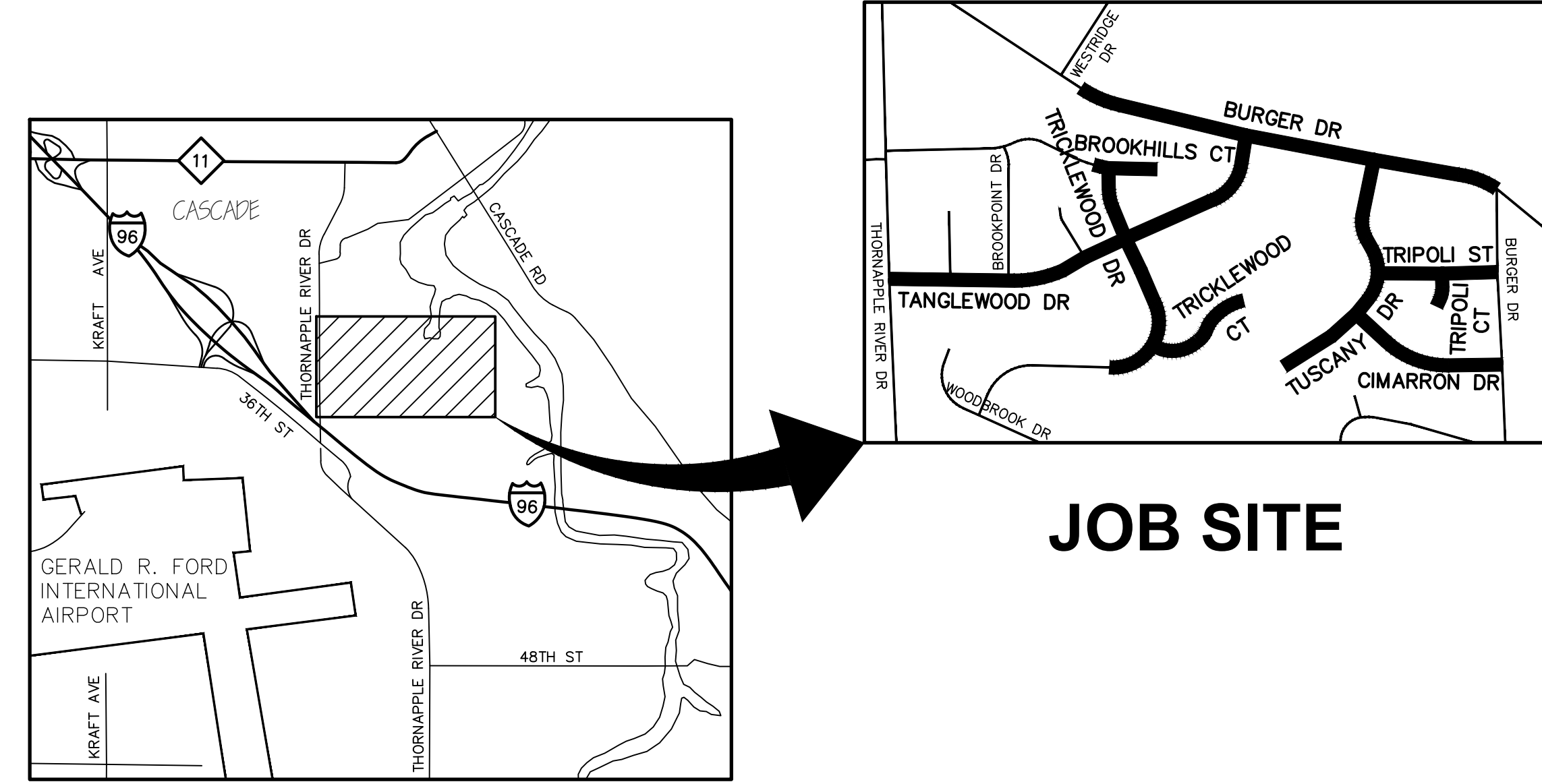
- 23 MISCELLANEOUS DETAILS

CALL 811 FOR MISS DIG

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 53, 1974, THE CONTRACTOR SHALL CALL 811 A MINIMUM OF THREE (3) FULL WORKING DAYS (EXCLUDING SATURDAYS, SUNDAYS AND HOLIDAYS) PRIOR TO EXCAVATING IN THE VICINITY OF UTILITY LINES. ALL "MISS DIG" PARTICIPATING MEMBERS WILL BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

GENERAL NOTES

- MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE 2021 EDITION OF THE CITY OF GRAND RAPIDS STANDARD CONSTRUCTION SPECIFICATIONS, EXCEPT AS OTHERWISE INDICATED ON THESE PLANS OR IN THE SUPPLEMENTAL SPECIAL SPECIFICATIONS.
- IF A WATER SERVICE (COPPER, LEAD OR OTHERWISE) IS DISTURBED, DAMAGED, RELOCATED OR REPLACED FROM THE WATER MAIN TO THE CURB STOP, WHETHER PLANNED OR UNINTENTIONAL, THE CONTRACTOR IS TO HAVE THE SERVICE MATERIAL VERIFIED FROM THE MAIN TO THE METER. IF ANY PORTION IS FOUND TO BE LEAD, THEN THE CONTRACTOR MUST HAVE THE LEAD REPLACED WITH A COPPER WATER SERVICE. ALL WATER SERVICE REPLACEMENTS MUST BE COMPLETED BY A REGISTERED UNDERGROUND CONTRACTOR. IF THE REPLACEMENT INVOLVES WORK ON PRIVATE PROPERTY, THE CONTRACTOR IS TO CONTACT THE ENGINEER IMMEDIATELY TO OBTAIN PERMISSIONS FOR THE SERVICE TO BE REPLACED BY CITY OF GRAND RAPIDS UNDERGROUND CONTRACTORS ON TERM CONTRACT FOR LEAD SERVICE REPLACEMENT. THE CONTRACTOR WILL REIMBURSE THE CITY FOR THIS COST.

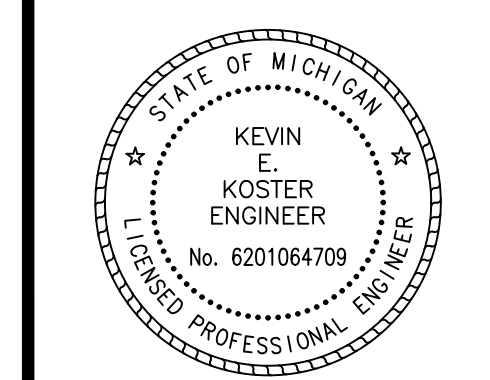


PROJECT LOCATION

JOB SITE

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS (GAS), TELEPHONE (TEL), ELECTRICAL POWER (PWR), CABLE TV (CTV) AND FIBER OPTIC LINES (FIBER) ARE APPROXIMATE. THE CITY OF GRAND RAPIDS ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

CITY OF GRAND RAPIDS	
PROFESSIONAL PERSON IN RESPONSIBLE CHARGE OF THE PROJECT	
SHEETS	1-000
NAME OF LICENSEE	KEVIN E. KOSTER, P.E.
NUMBER	6201064709
SIGNATURE	



SURVEYED & DESIGNED BY:

Prein & Newhof
Engineers • Surveyors • Environmental • Laboratory

City of Grand Rapids
Public Services
Engineering Department

**WATER MAIN
IN
BURGER DRIVE
TANGLEWOOD DRIVE
TRICKLEWOOD DRIVE
TRICKLEWOOD COURT
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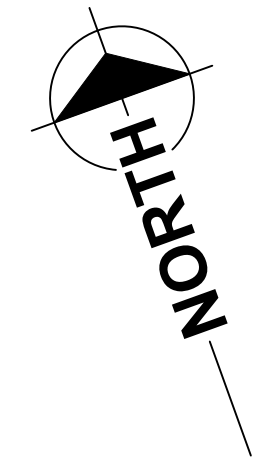
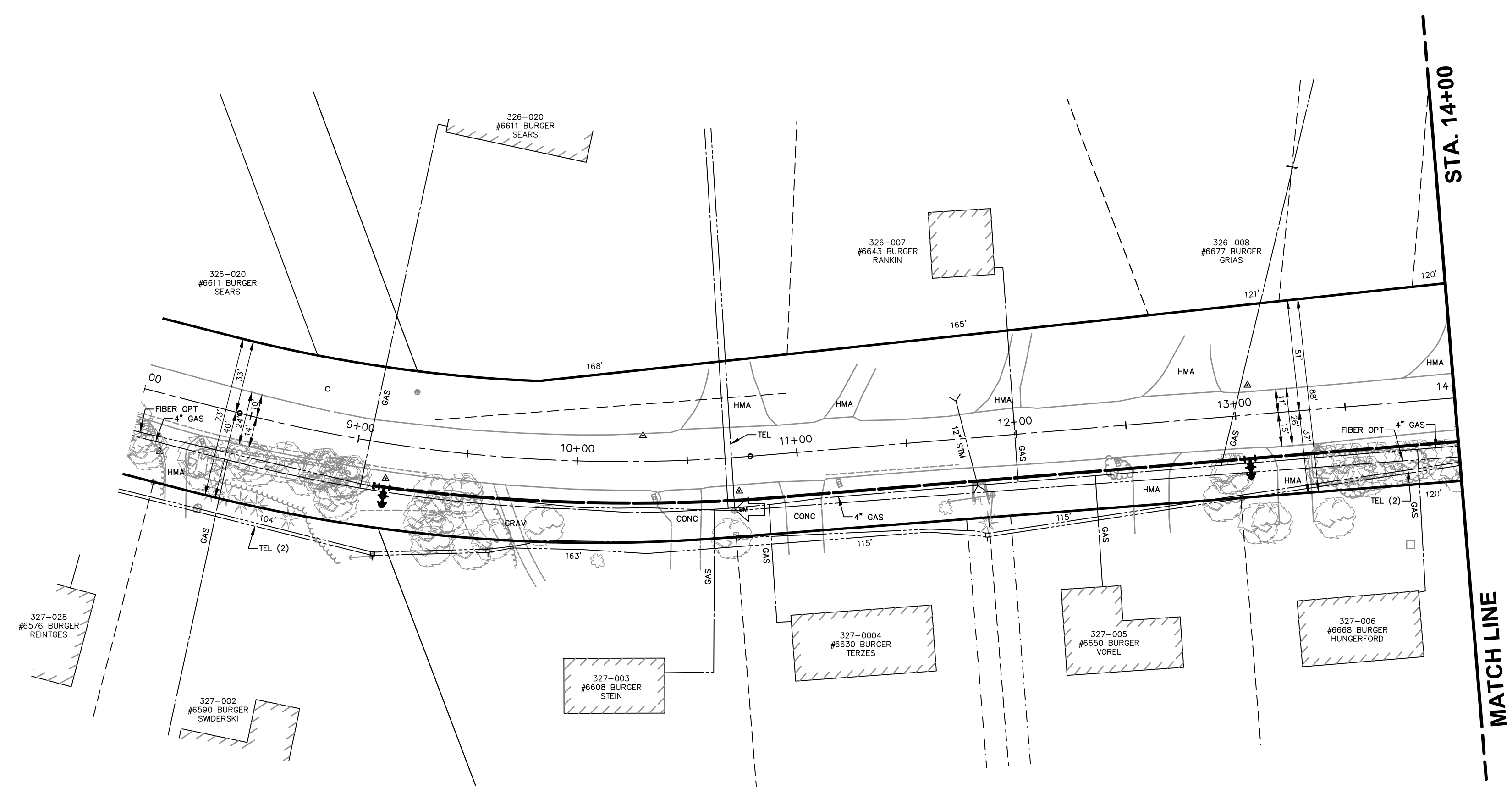
Drawn by JDH Notes in N/A

Check: Field XX / XX Office KEK / BGV

Approved Tim Burkman, P.E., City Engineer Date _____

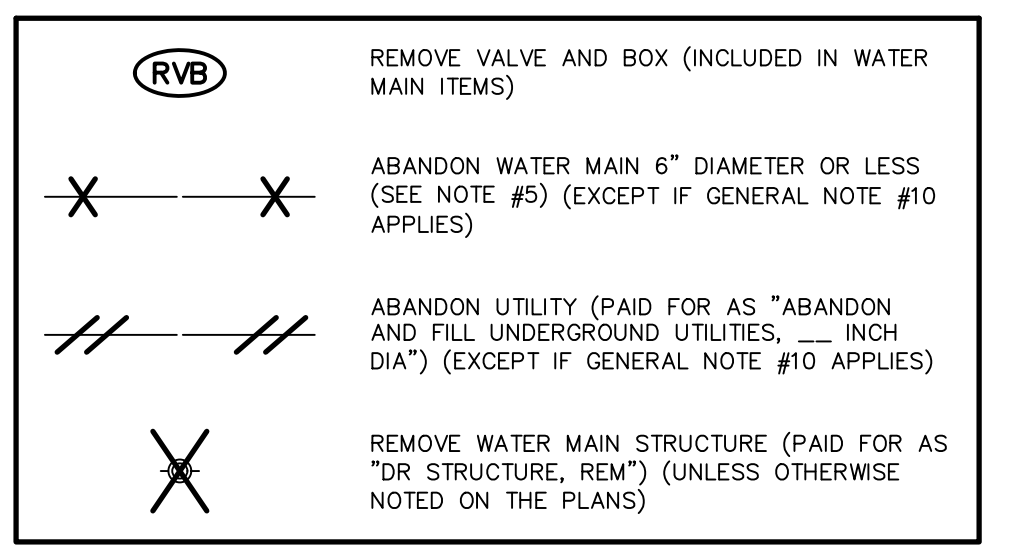
APPROVAL OF SHEET(S) 1-XX ONLY

Project No. 21044	GPF No. 5843	Sheet No. 1 of 23
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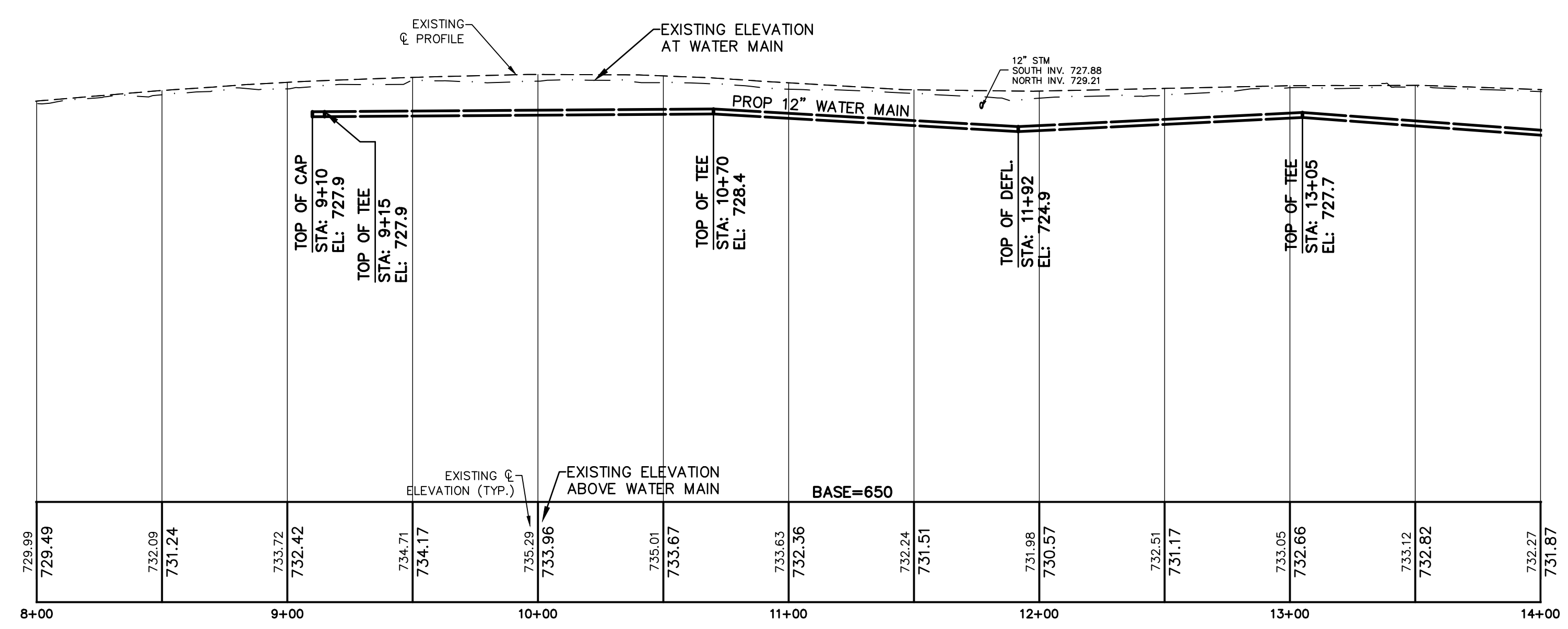
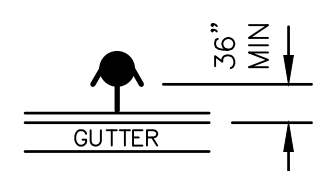
SCALES
 PLAN 1"=40'
 PROFILE 1"=40'
 HORZ. 1"=40'
 VERT. 1"=10'

REMOVAL LEGEND



WATER MAIN GENERAL NOTES

1. WATER MAIN CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE STANDARD CONSTRUCTION SPECIFICATIONS OF CITY OF GRAND RAPIDS, 1993 EDITION, AND ALL REVISIONS THEREOF.
2. DEPTH OF THE PROPOSED WATER MAIN SHALL BE 5'-9" FROM ROAD CENTERLINE GRADE TO CENTERLINE OF PIPE OR HAVE A MINIMUM OF 5'-0" OF COVER TO THE TOP OF THE PIPE UNLESS OTHERWISE NOTED ON DRAWINGS. ADJUSTMENT MAY BE REQUIRED TO AVOID CONFLICTS WITH EXISTING OR PROPOSED UTILITIES.
3. ALL PIPE TO HAVE NECESSARY JOINT RESTRAINTS PER SECTION 19.03.16 OF THE STANDARD CONSTRUCTION SPECIFICATIONS OF THE CITY OF GRAND RAPIDS, INCLUDING TABLE IV AND DETAIL W/15.
4. ALL WATER MAIN TO BE ZINC-COATED. WATER SERVICES ARE NOT SUBJECT TO THIS REQUIREMENT.
5. WATER MAINS 6" DIAMETER AND LESS CALLED TO BE ABANDONED ON DRAWINGS DO NOT REQUIRE FILLING, BUT ALL OPEN ENDS ARE TO BE CAPPED AND PLUGGED WITH CONCRETE. COST TO BE INCLUDED IN ITEMS FOR LAYING NEW WATER MAIN.
6. EXPOSE ALL UNDERGROUND UTILITIES AT POTENTIAL POINTS OF CONFLICT BEFORE LAYING WATER MAIN TO DETERMINE WHETHER TO GO OVER OR UNDER THE EXISTING UTILITIES. THE WATER MAIN SHALL BE DEFLECTED TO GO OVER OR UNDER EXISTING UTILITIES WHEN REQUIRED BY THE ENGINEER. 45° BENDS TO ACCOMPLISH ELEVATION CHANGES OF THE WATER MAIN WILL ONLY BE USED WHEN REQUIRED OR APPROVED BY THE ENGINEER.
7. REPLACEMENT OF WATER SERVICES SHALL BE A MINIMUM OF 1" COPPER FOR RESIDENTIAL PROPERTIES AND 1-1/2" COPPER FOR COMMERCIAL PROPERTIES.
8. FINAL DETERMINATION FOR REPLACEMENT OR RECONNECTION OF ALL WATER SERVICES INCLUDING THE SIZE SHALL BE AS REQUIRED BY THE ENGINEER & WATER DEPARTMENT. THIS MAY REQUIRE DISCUSSION BETWEEN THE ENGINEER, WATER DEPARTMENT AND THE PROPERTY OWNER.
9. CURB AND GUTTER SHALL BE REMOVED AND REPLACED WHEN LAYING WATER SERVICES UNDER IT. NO TUNNELING UNDER THE CURB AND GUTTER WILL BE ALLOWED TO LAY WATER SERVICES EXCEPT WHERE THE WATER SERVICE IS DIRECTIONALLY BORED.
10. FOR ALL ABANDONED UTILITIES THAT ARE REMOVED AS PART OF CONSTRUCTION OF A NEW UTILITY SUCH REMOVAL OF THE ABANDONED UTILITY TO LAY THE NEW UTILITY SHALL BE CONSIDERED TO BE INCLUDED IN THE ITEM FOR LAYING OF THE NEW UTILITY AND WILL NOT BE PAID FOR SEPARATELY. THIS IS ALSO THE CASE FOR THOSE UTILITIES THAT ARE DESIGNATED TO BE ABANDONED ON THE PLANS BUT END UP BEING REMOVED IN ORDER TO LAY A NEW UTILITY.
11. NEW HYDRANTS TO BE SET A MINIMUM OF 36" FROM FACE OF CURB TO FACE OF HYDRANT.
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13. THE LOCATIONS OF THE EXISTING WATER SERVICES AND SEWER LATERALS SHOWN ARE APPROXIMATE AND ACTUAL LOCATIONS MAY VARY. THE CONTRACTOR IS TO VERIFY THE LOCATIONS OF EXISTING SERVICES (INCLUDED IN PLACING WATER SERVICES). PROVIDE A MINIMUM OF 6" CLEARANCE BETWEEN EXISTING SERVICES OR UTILITIES AND THE PROPOSED WATER SERVICE. LOCATIONS OF PROPOSED WATER TAPS AND CONNECTIONS TO EXISTING WATER SERVICES SHALL BE APPROVED BY THE ENGINEER.
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16. ALL 1" WATER SERVICES SHALL HAVE A VADLE™ CURB BOX LOCK INSTALLED WITH THE CURB BOX. INSTALLATIONS IN SIDEWALK OR DRIVEWAY LOCATIONS SHALL BE FURTHER STABILIZED BY PLACING A BRICK IMMEDIATELY UNDER THE BASE OF THE CURB BOX LOCK.
17. ** AT PROPERTY SIGNIFY THAT ACCESS FROM THE RESIDENT HAS BEEN GRANTED FOR LEAD SERVICE REPLACEMENT



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REVISIONS		
NO.	DATE	DESCRIPTION

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12/2021

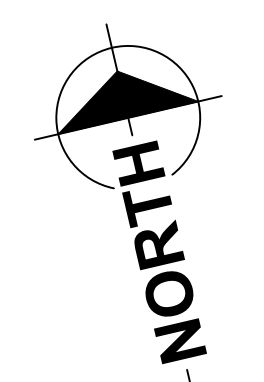
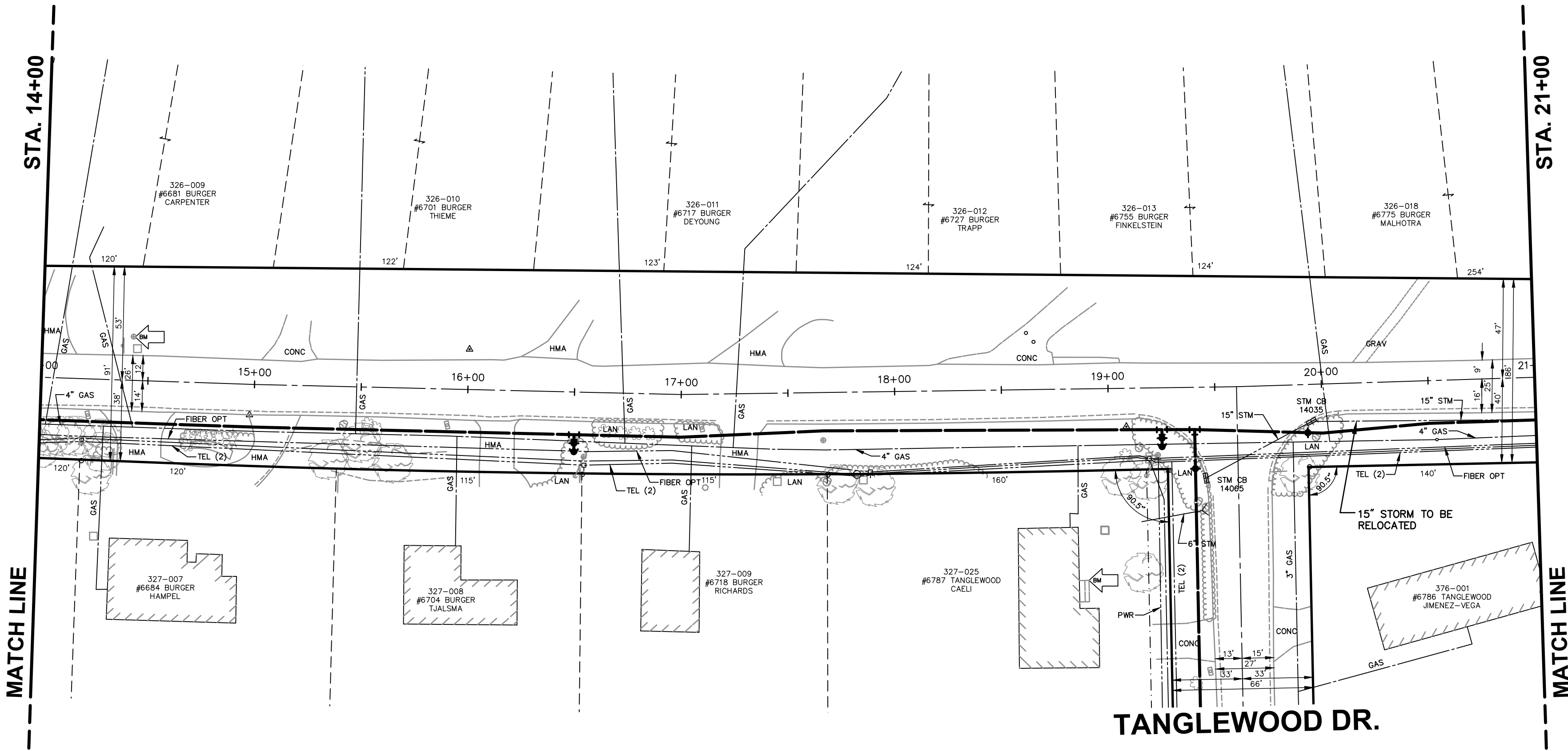
WATER MAIN

SURVEYED & DESIGNED BY:
Prein & Newhof
 Engineers • Surveyors • Environmental • Laboratory

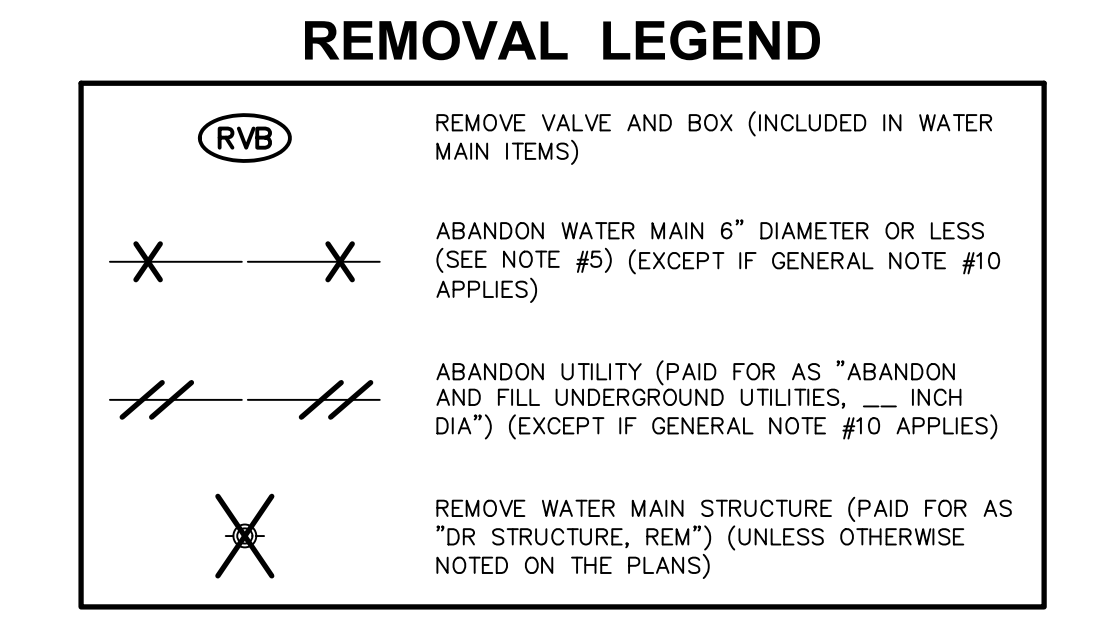
City of Grand Rapids
 Public Services
 Engineering Department

**WATER MAIN
 IN
 BURGER DRIVE**
 FROM 100' EAST OF WESTRIDGE DR.
 TO
 GOODWOOD DR.
 (BURGER-GOODWOOD NEIGHBORHOOD
 WATER MAIN - PHASE 1)

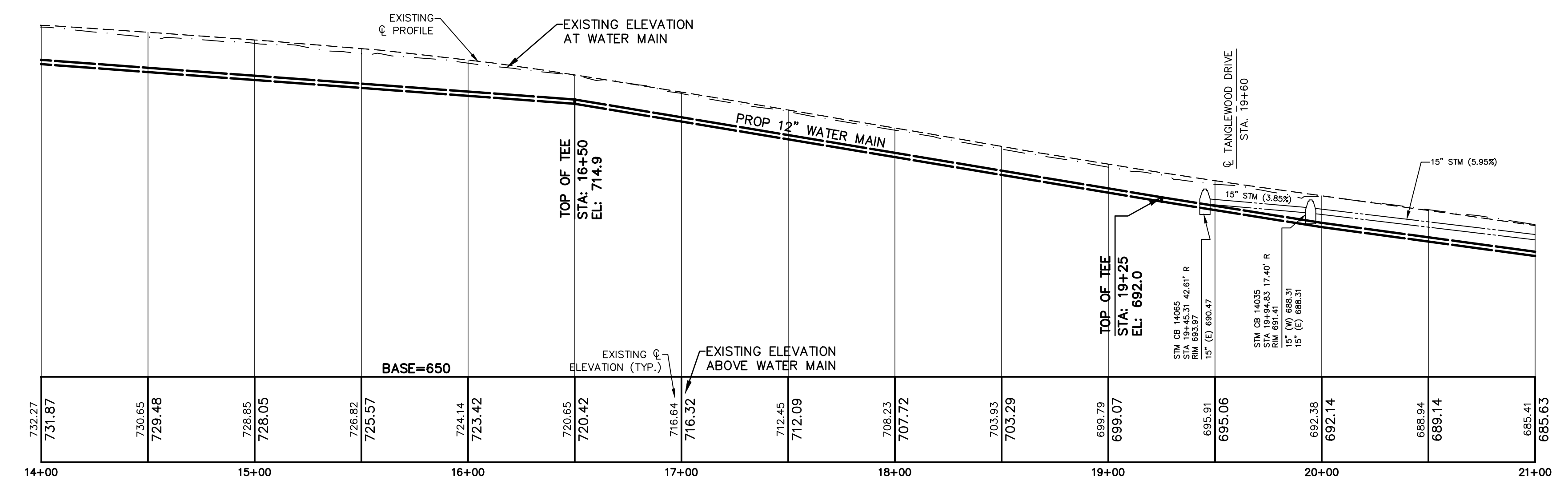
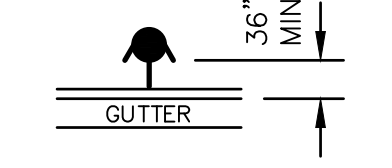
Drawn by JDH GPF No. 5843 Sheet No. 2 of 23
 Check: Field KEK
 Check: Office KEK



SCALES
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 PROFILE 1"=40'
 HORIZ. 1"=40'
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WATER MAIN

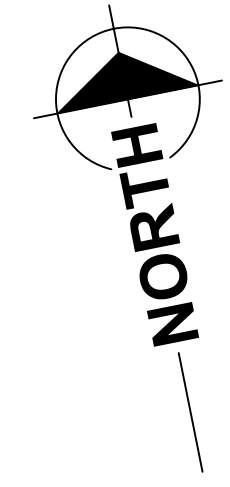
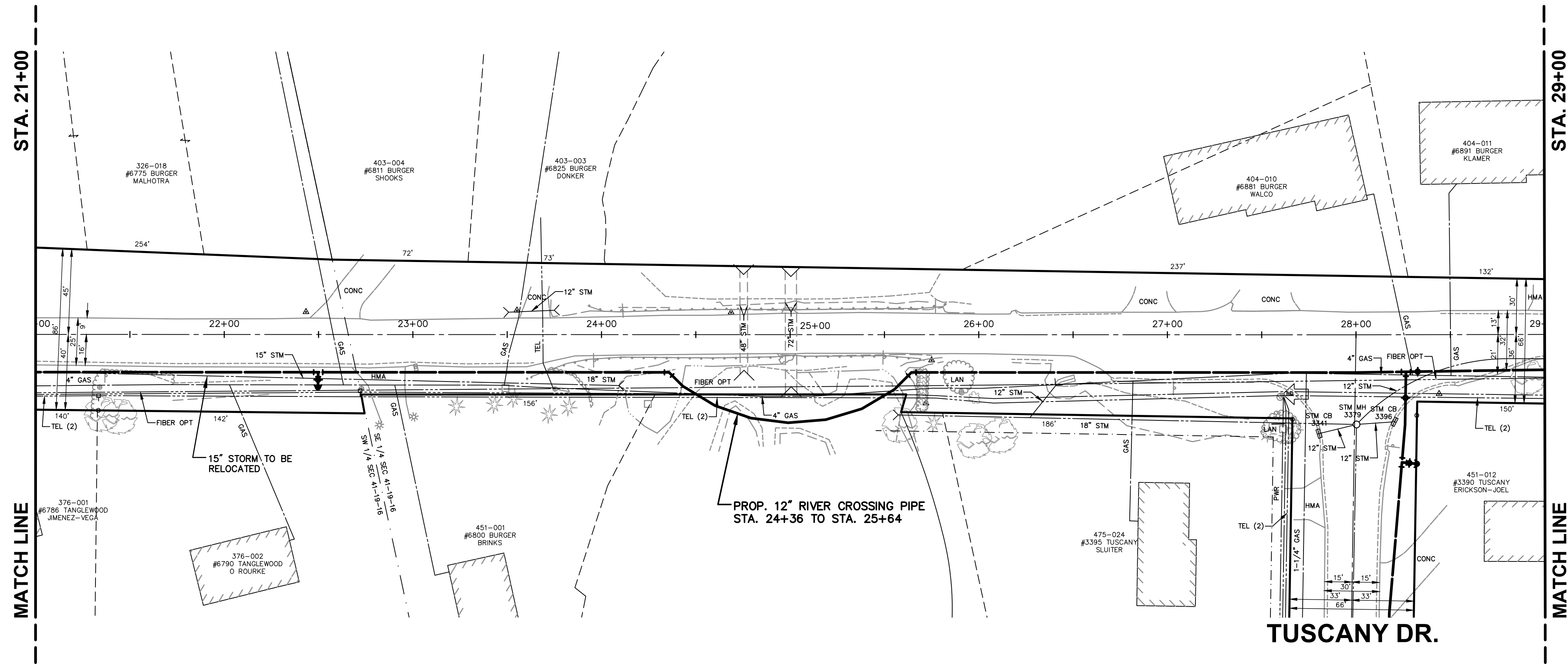
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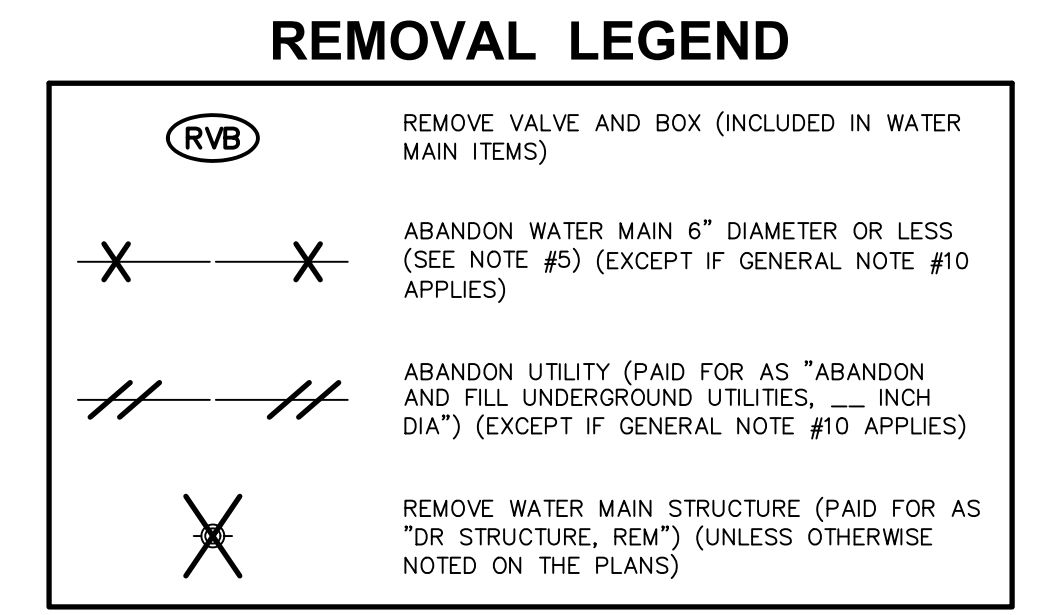
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Drawn by <u>JDH</u>	GPF No. <u>5843</u>	Sheet No. <u>3</u> of <u>23</u>
Check: Field <u>KEK</u>		
Check: Office <u>KEK</u>		

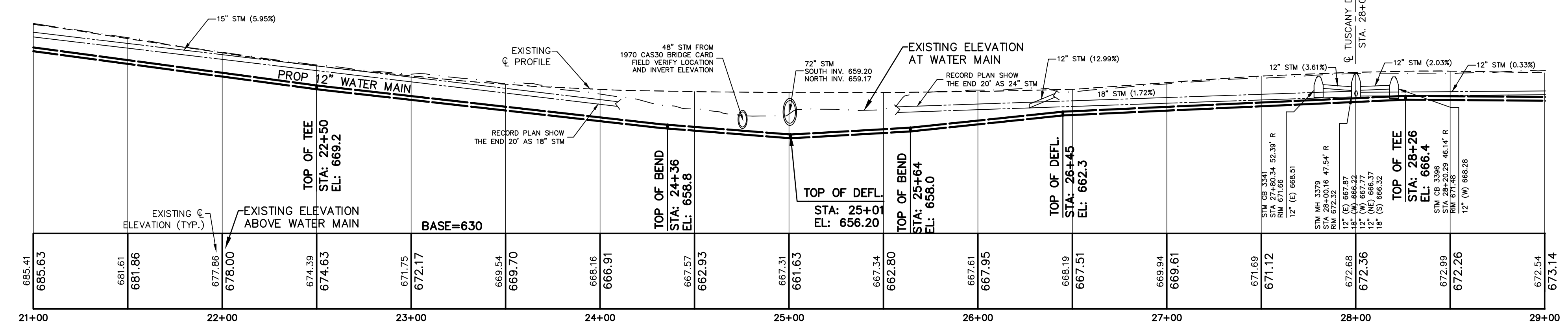
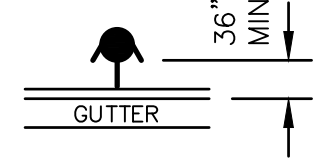


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WATER MAIN

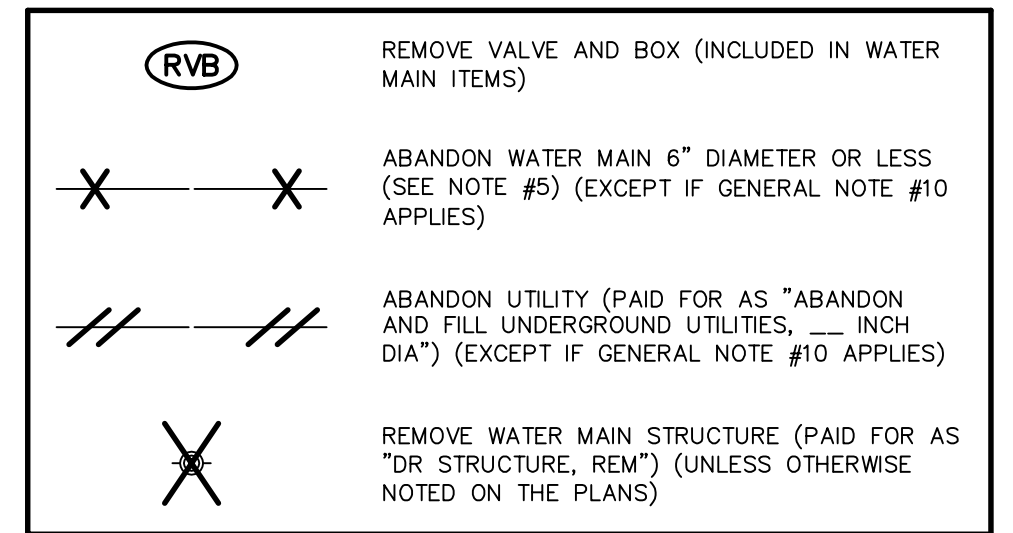
SURVEYED & DESIGNED BY:
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**WATER MAIN
 IN
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 (BURGER-GOODWOOD NEIGHBORHOOD
 WATER MAIN - PHASE 1)**

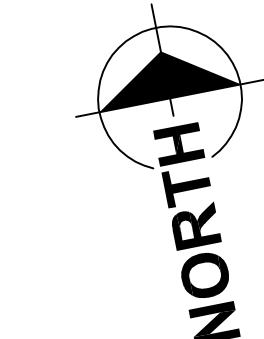
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REMOVAL LEGEND

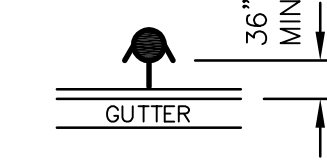


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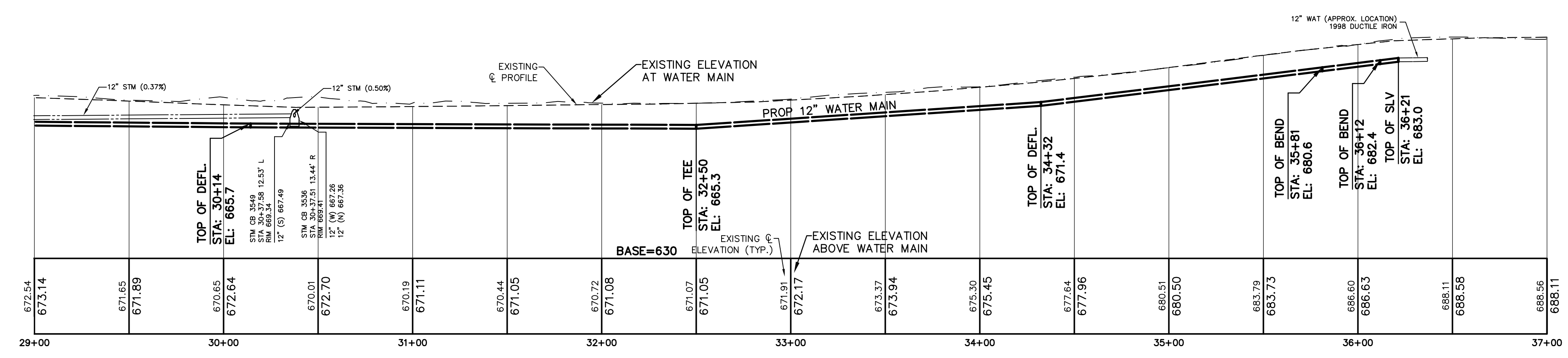
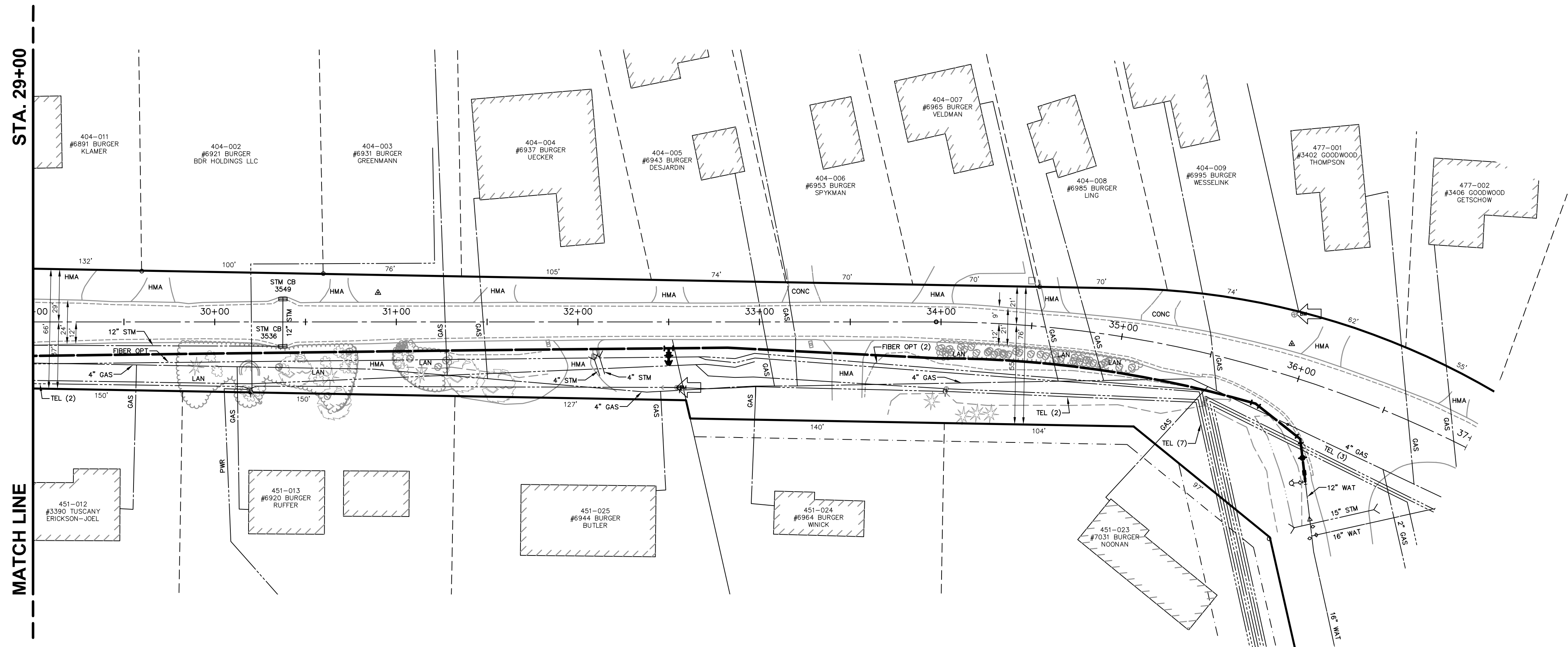
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REVISIONS

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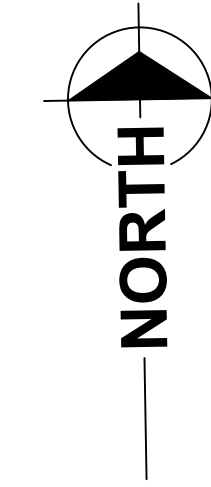
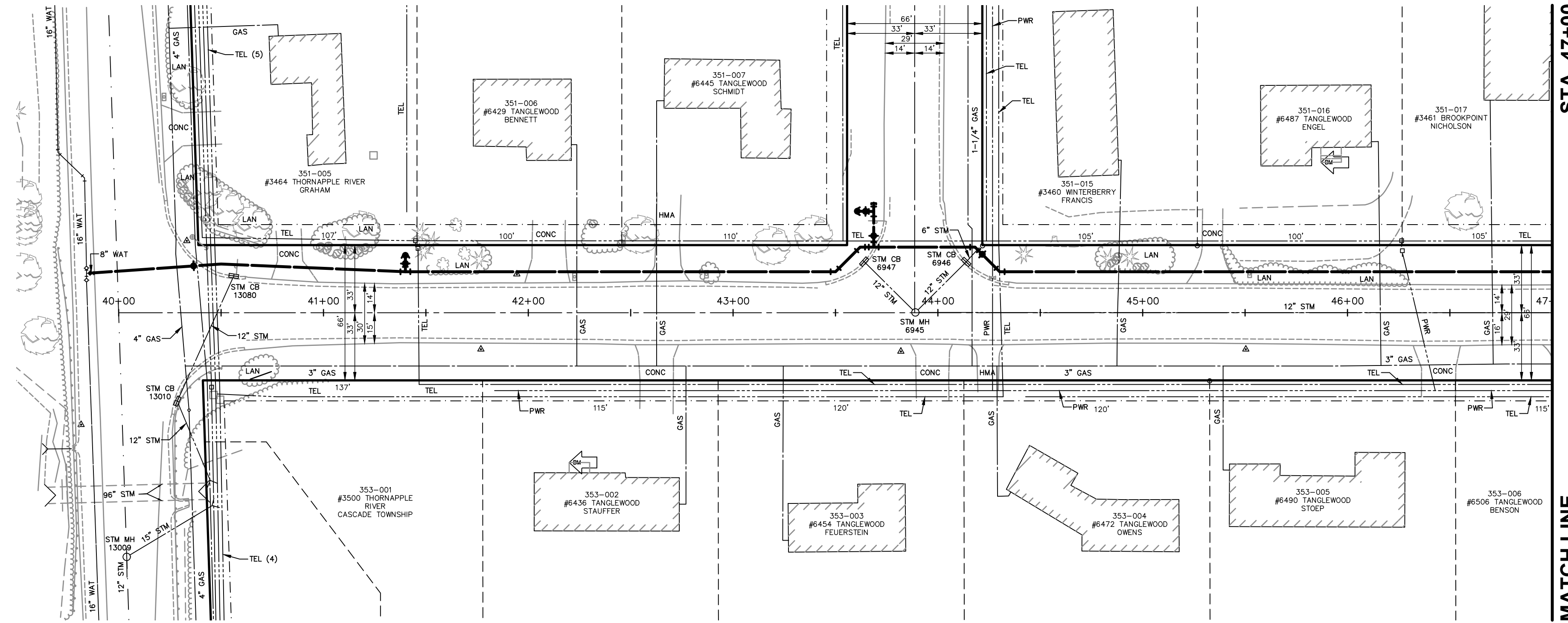


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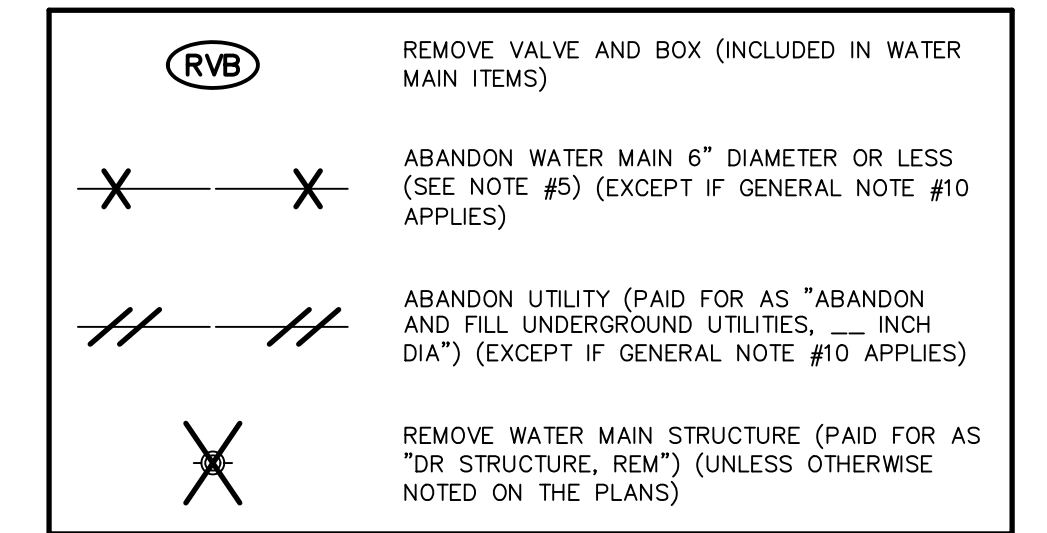
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WINTERBERRY CT.



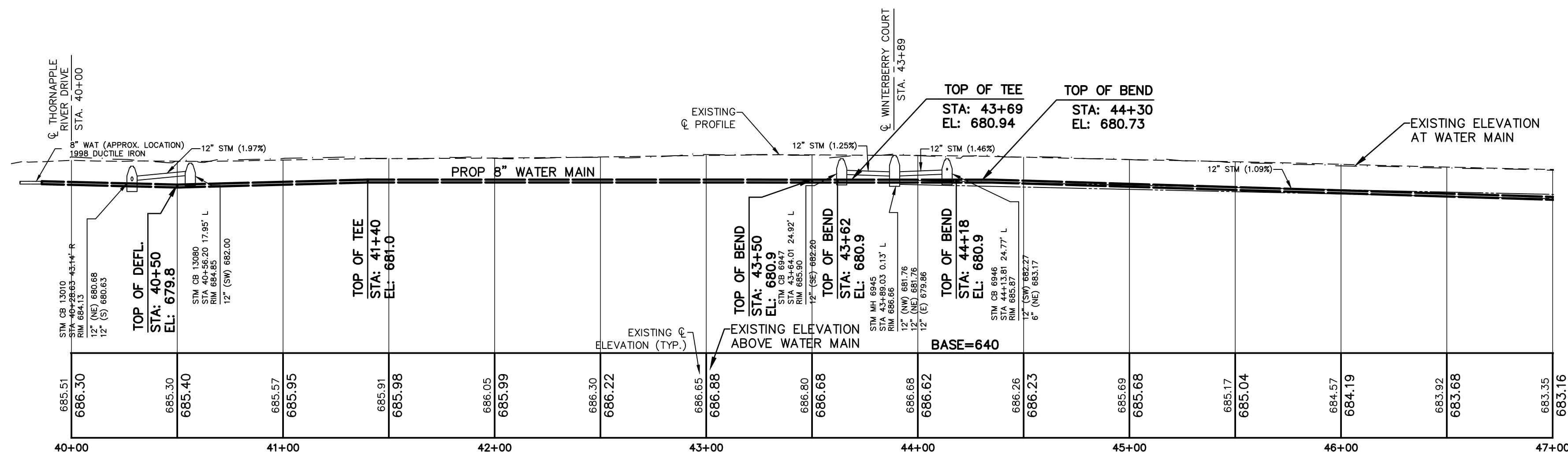
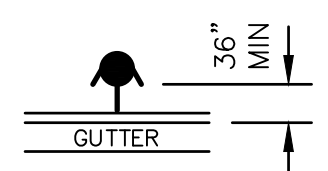
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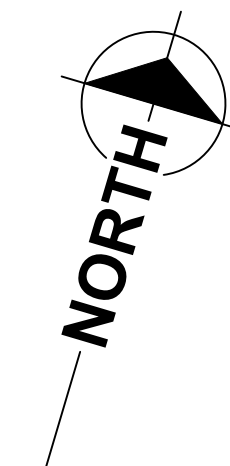
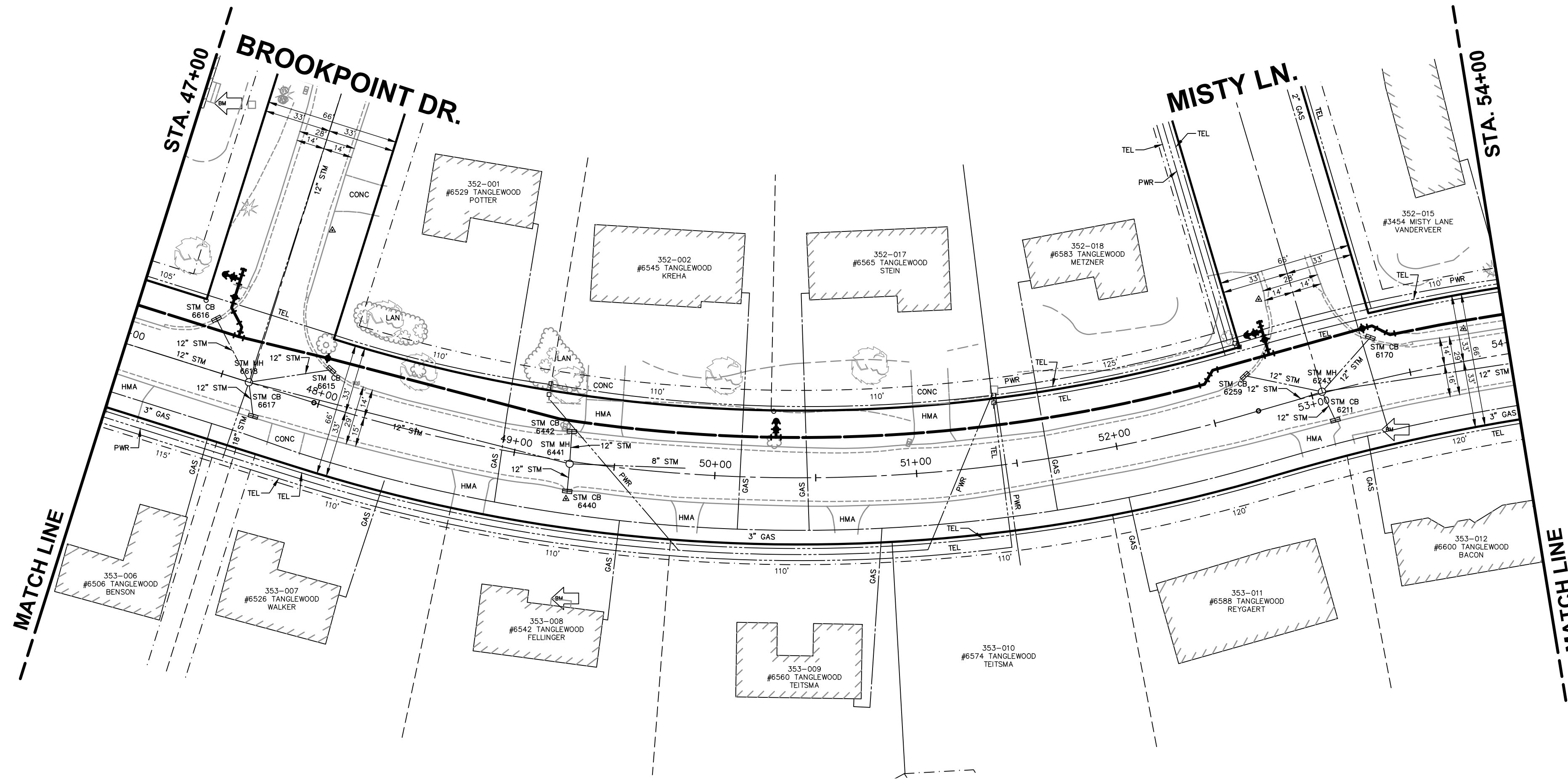
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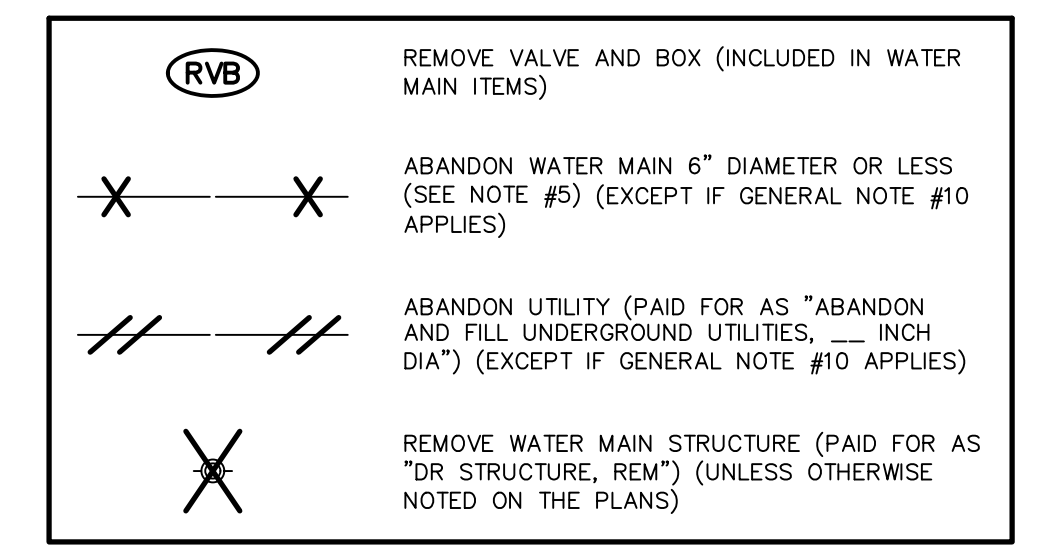
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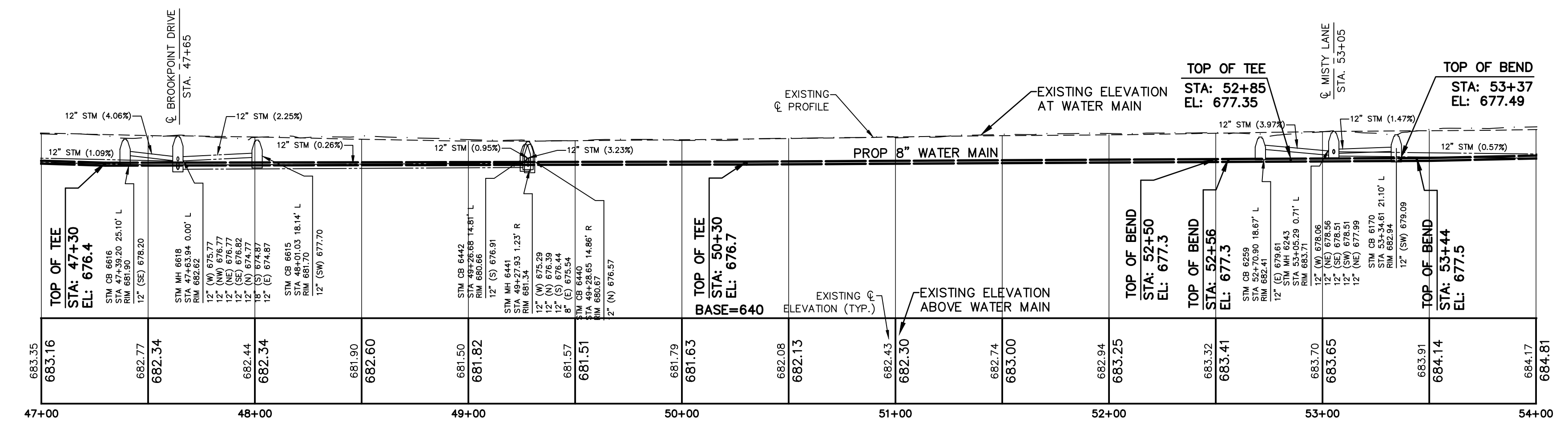
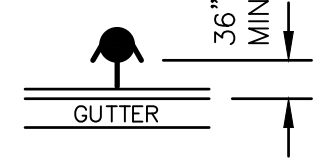
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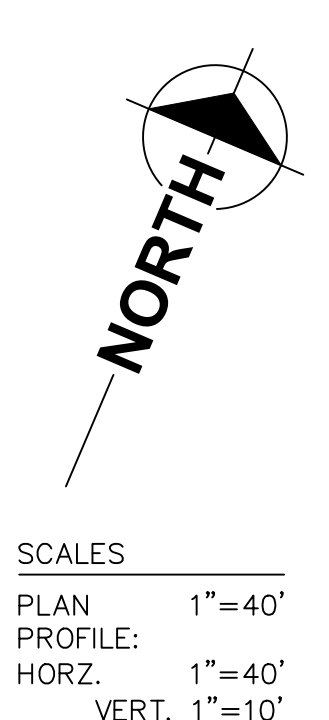
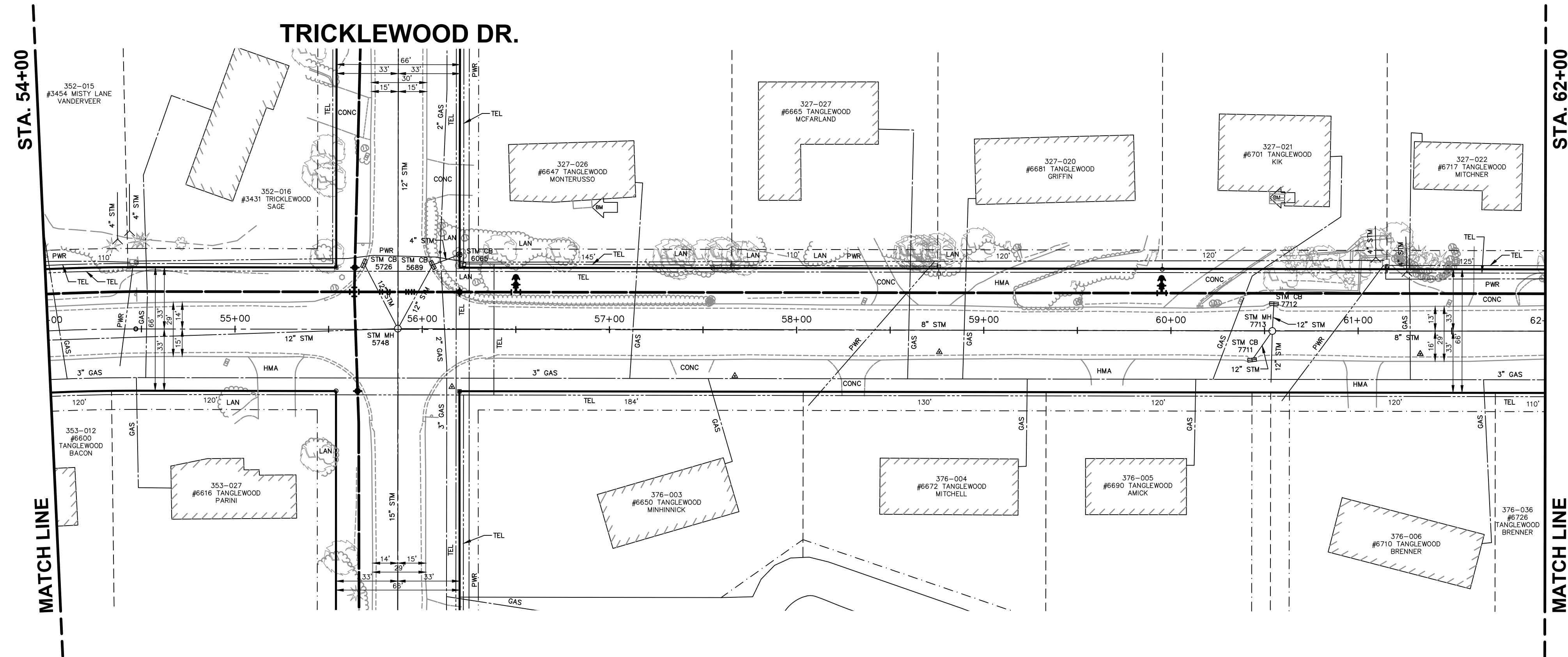
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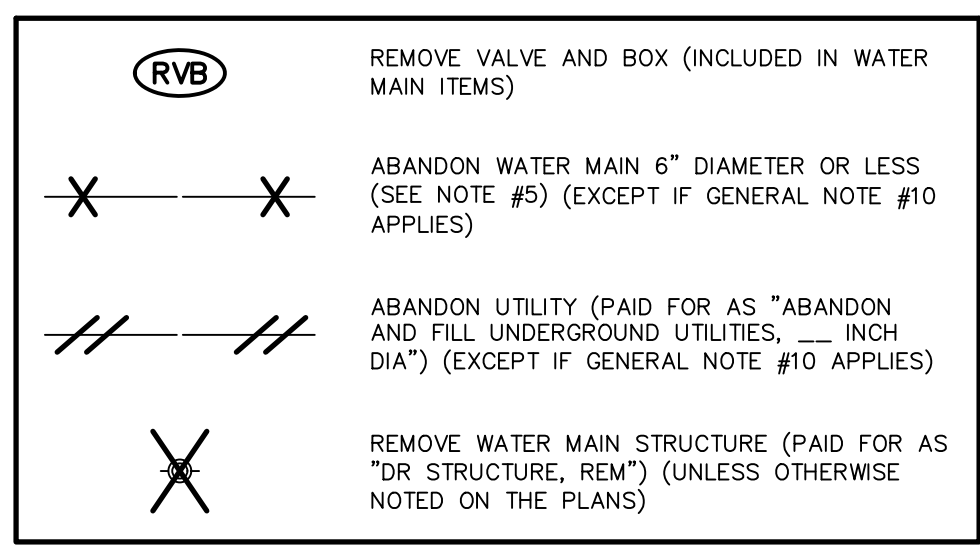
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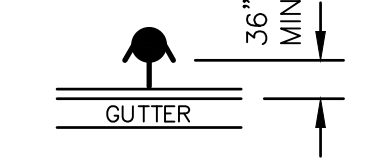


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17. ** AT PROPERTY SIGNIFY THAT ACCESS FROM THE RESIDENT HAS BEEN GRANTED FOR LEAD SERVICE REPLACEMENT



STATION	ELEVATION	DESCRIPTION
54+00	684.17	
	684.81	
	684.60	
	684.95	
	684.86	
	685.28	
	685.10	
	685.34	
	685.15	
	685.87	
	684.61	
	685.09	
	684.23	
	684.44	
	684.00	
	684.35	
	683.72	
	684.53	
	683.36	
	684.05	
	683.05	
	684.07	
	682.75	
	684.31	
	682.53	
	683.67	
	682.48	
	683.22	
	683.14	
	683.51	
	684.68	
	684.85	
	687.03	
	687.75	

DRAFT
12/2021

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS (GAS), TELEPHONE (TEL), ELECTRICAL POWER (PWR), CABLE TV (CTV) AND FIBER OPTIC LINES (FIBER) ARE APPROXIMATE. THE CITY OF GRAND RAPIDS ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

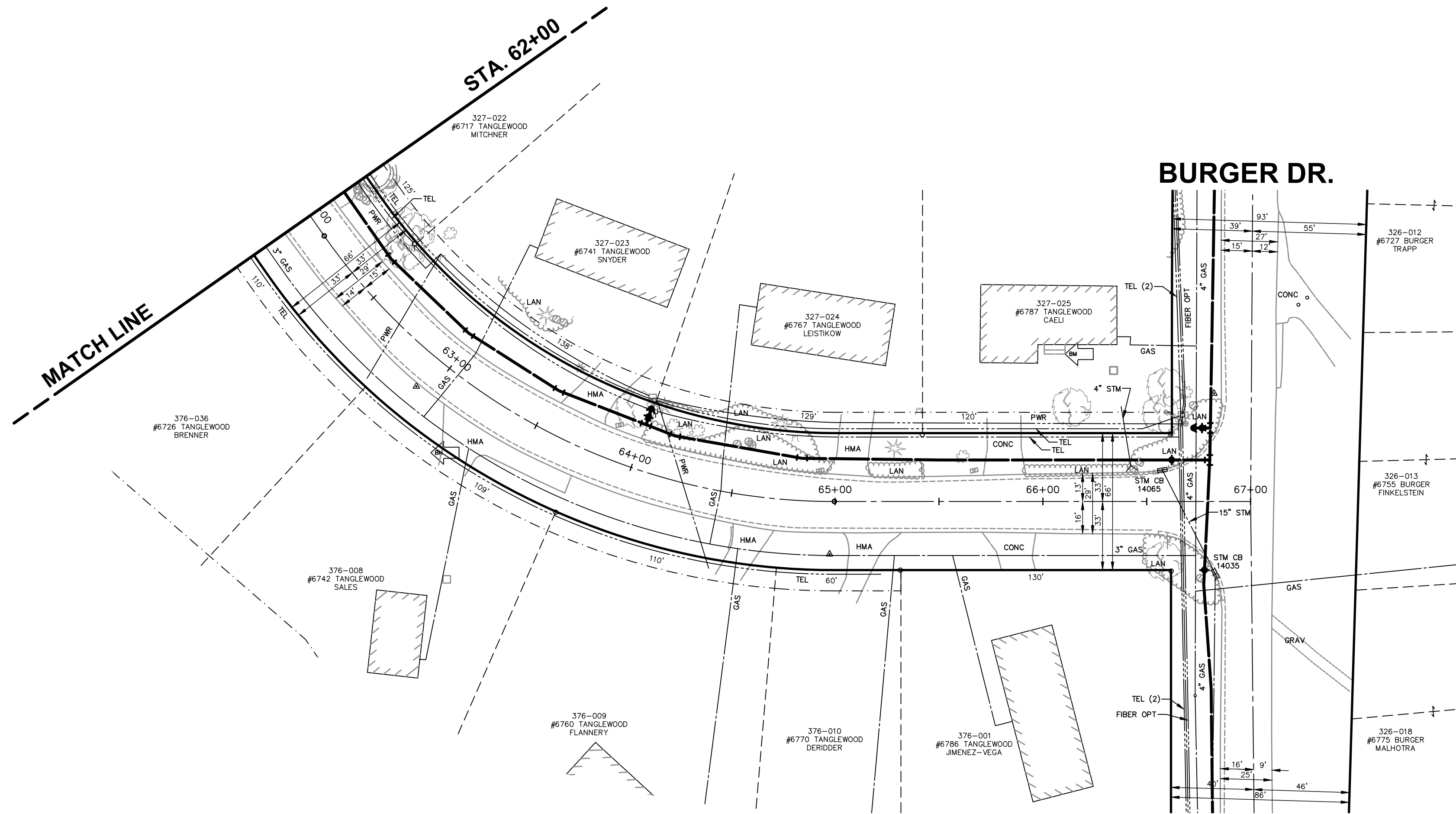
REVISIONS		
NO.	DATE	DESCRIPTION

WATER MAIN

SURVEYED & DESIGNED BY:
Prein & Newhof
Engineers • Surveyors • Environmental • Laboratory

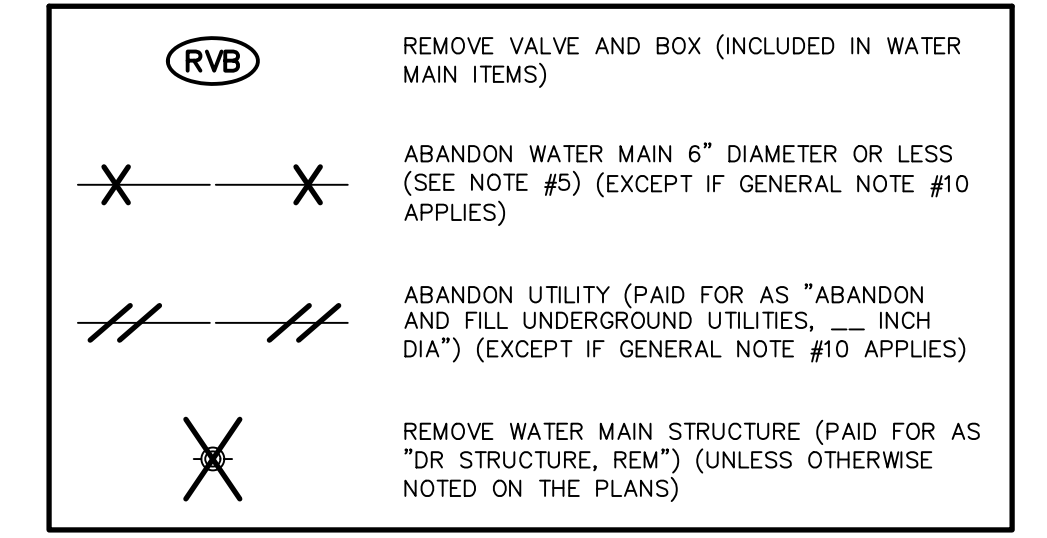
City of Grand Rapids
Public Services
Engineering Department
**WATER MAIN
IN
TANGLEWOOD DRIVE
FROM THORNAPPLE RIVER DR.
TO
BURGER DR.
(BURGER-GOODWOOD NEIGHBORHOOD
WATER MAIN - PHASE 1)**

Drawn by JDH GPF No. 5843 Sheet No. 8 of 23
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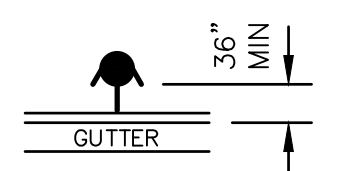
SCALES
 PLAN 1"=40'
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REMOVAL LEGEND



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STATION	EXISTING ELEVATION AT WATER MAIN	PROP. 8" WATER MAIN	EXISTING ELEVATION ABOVE WATER MAIN
62+00	687.75		
62+00	687.75	687.75	0.00
63+00	689.51	689.51	0.00
63+00	690.13	690.13	0.00
63+00	689.89	689.89	0.00
63+00	692.82	692.82	0.00
63+00	693.99	693.99	0.00
63+00	694.41	694.41	0.00
64+00	695.51	695.51	0.00
64+00	695.89	695.89	0.00
64+00	696.46	696.46	0.00
64+00	697.13	697.13	0.00
65+00	697.00	697.00	0.00
65+00	697.85	697.85	0.00
65+00	698.52	698.52	0.00
65+00	697.24	697.24	0.00
66+00	696.01	696.01	0.00
66+00	696.49	696.49	0.00
66+00	694.89	694.89	0.00
66+00	695.43	695.43	0.00
67+00	695.15	695.15	0.00

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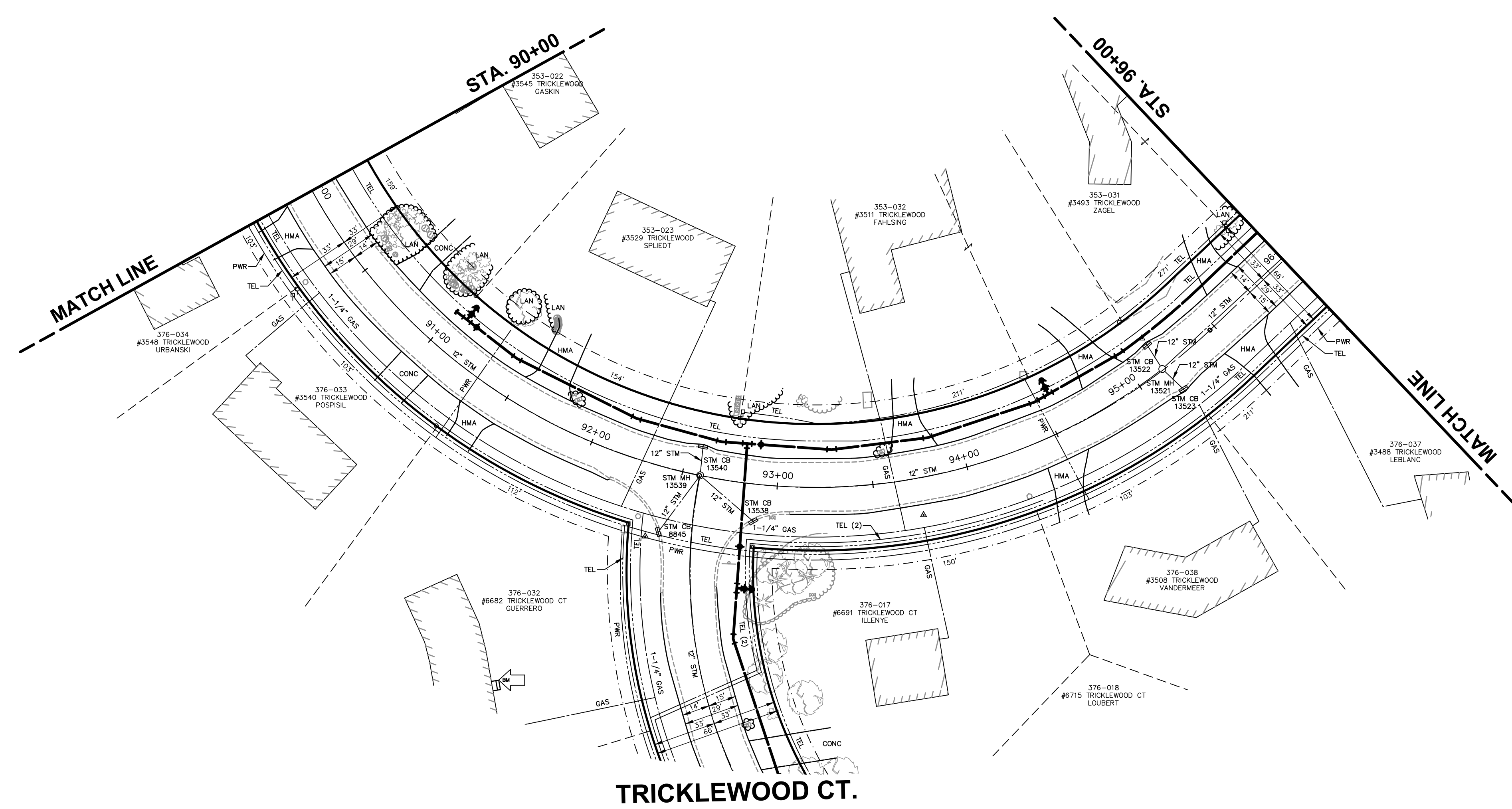
DRAFT
12/2021

WATER MAIN

SURVEYED & DESIGNED BY:
Prein & Newhof
 Engineers • Surveyors • Environmental • Laboratory

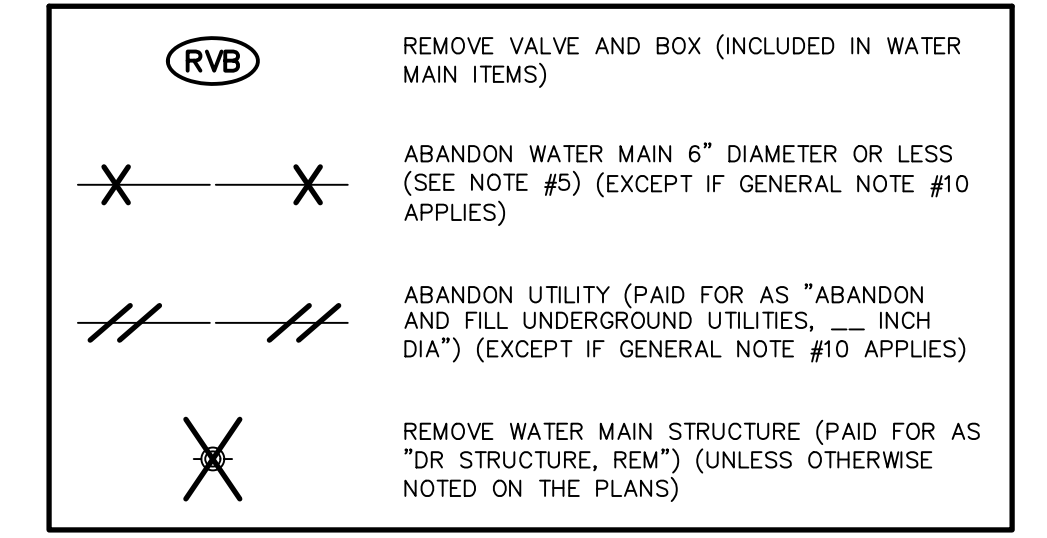
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 Public Services
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WATER MAIN
 IN
TANGLEWOOD DRIVE
 FROM THORNAPPLE RIVER DR.
 TO
BURGER DR.
 (BURGER-GOODWOOD NEIGHBORHOOD
 WATER MAIN - PHASE 1)

Drawn by JDH GPF No. 5843 Sheet No. 9 of 23
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 Check: Office KEK



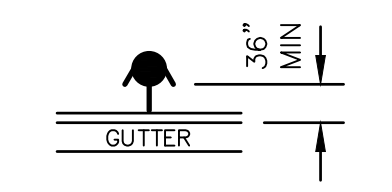
SCALES
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REMOVAL LEGEND

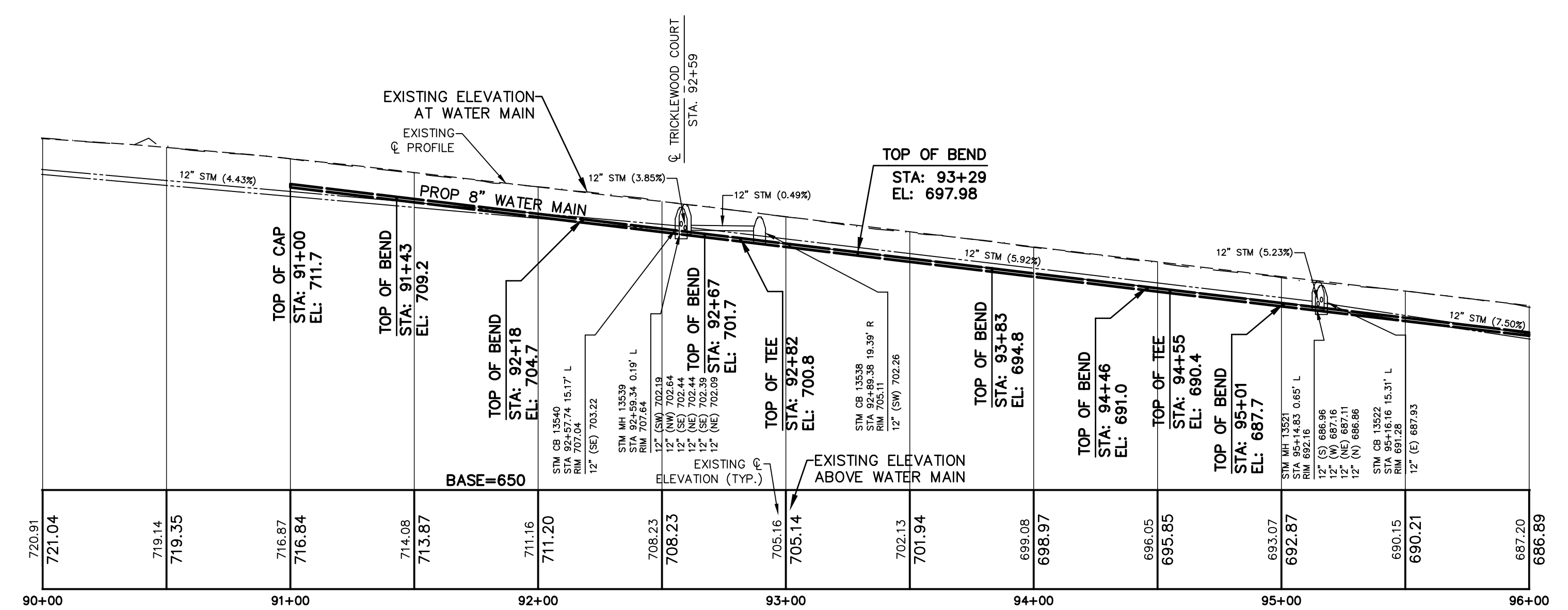


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TRICKLEWOOD CT.



WATER MAIN

SURVEYED & DESIGNED BY:
Prein & Newhof
 Engineers • Surveyors • Environmental • Laboratory

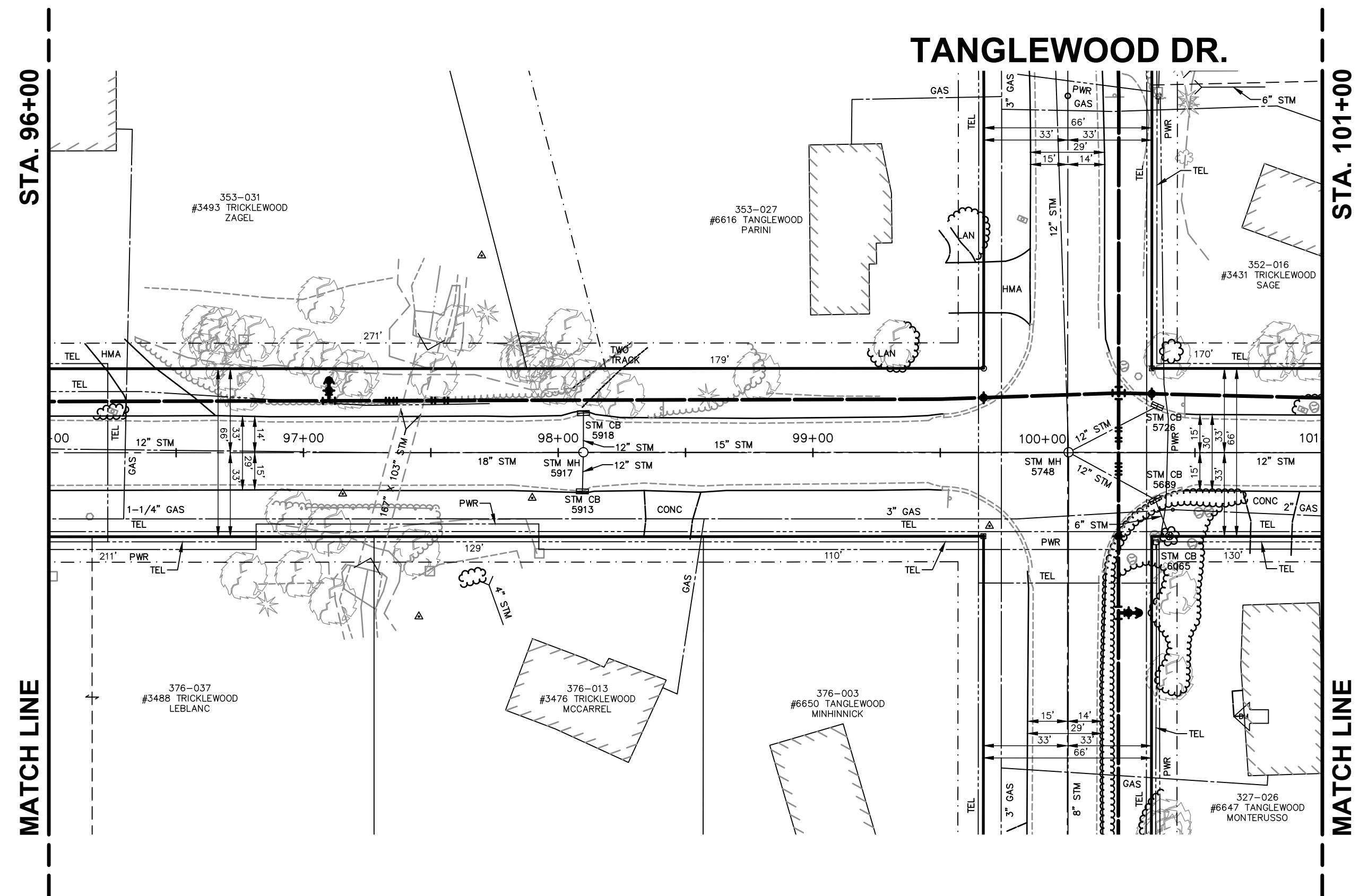
City of Grand Rapids
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**WATER MAIN
 IN
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 FROM 250' SOUTH WEST OF TRICKLEWOOD CT.
 TO
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 (BURGER-GOODWOOD NEIGHBORHOOD
 WATER MAIN - PHASE 1)

DRAFT
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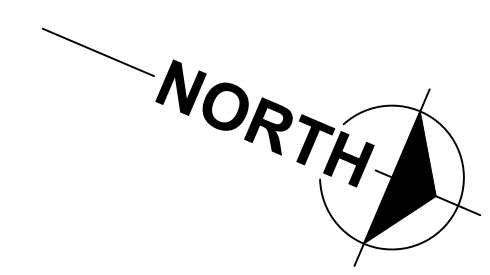
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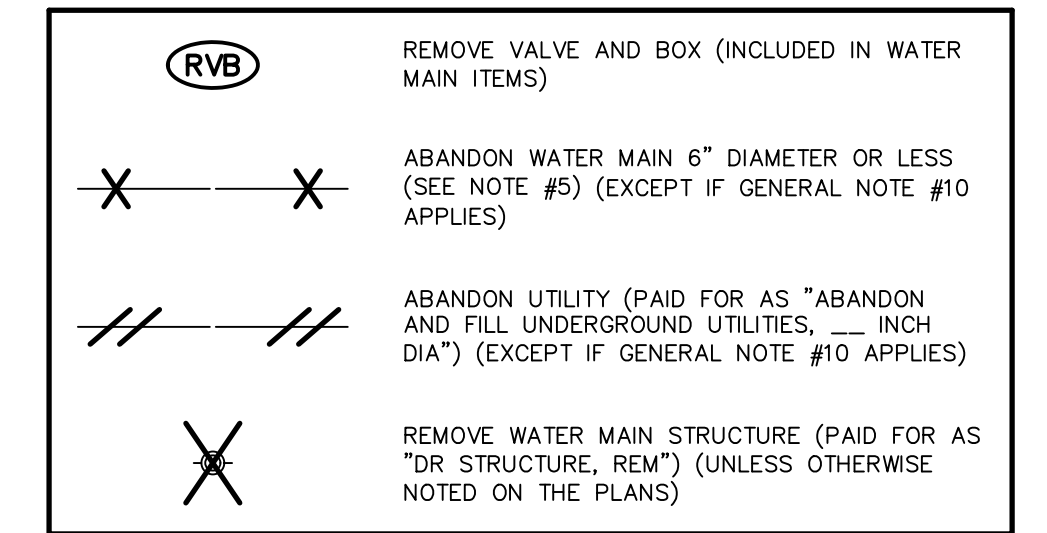


TANGLEWOOD DR.



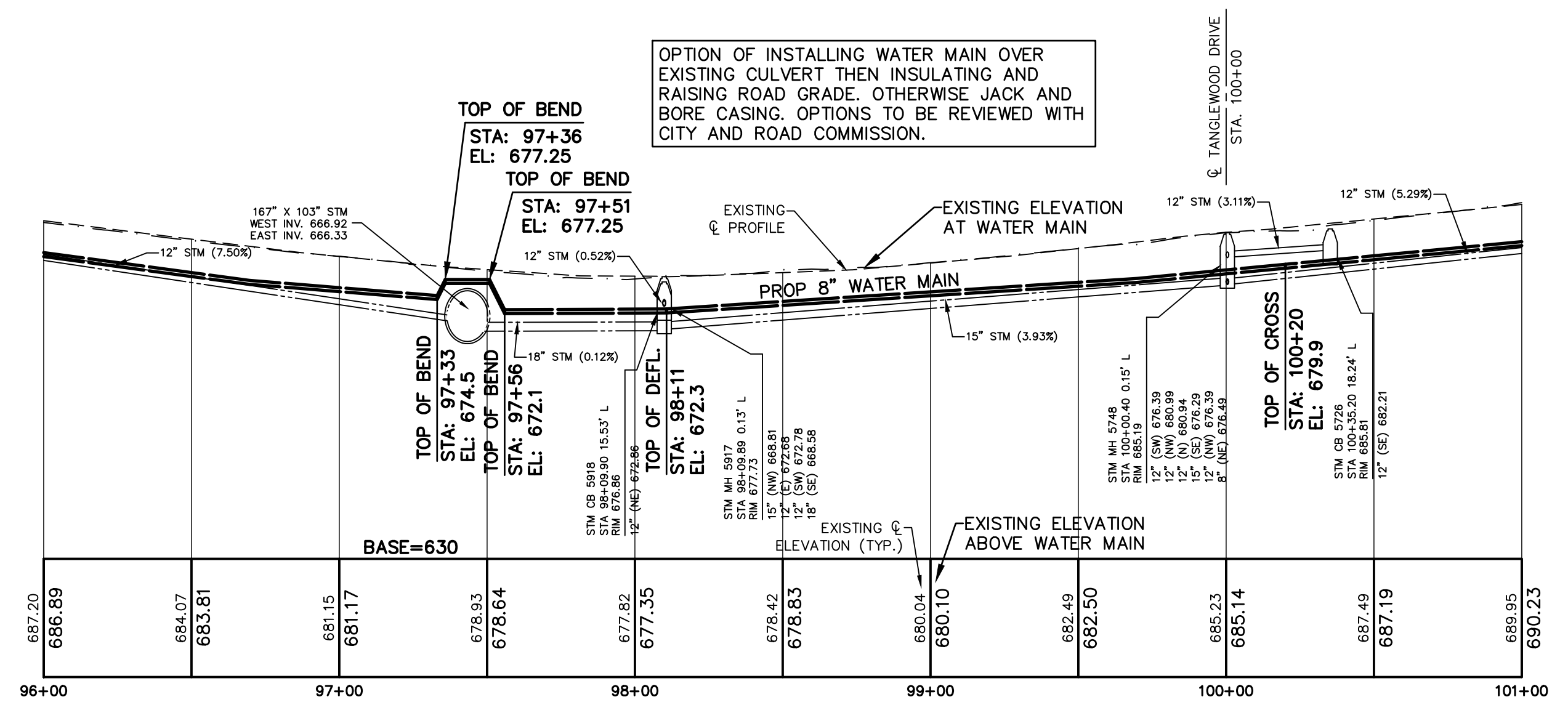
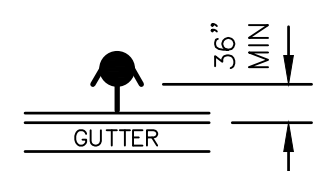
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OPTION OF INSTALLING WATER MAIN OVER EXISTING CULVERT THEN INSULATING AND RAISING ROAD GRADE. OTHERWISE JACK AND BORE CASING. OPTIONS TO BE REVIEWED WITH CITY AND ROAD COMMISSION.

DRAFT
12/2021

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WATER MAIN

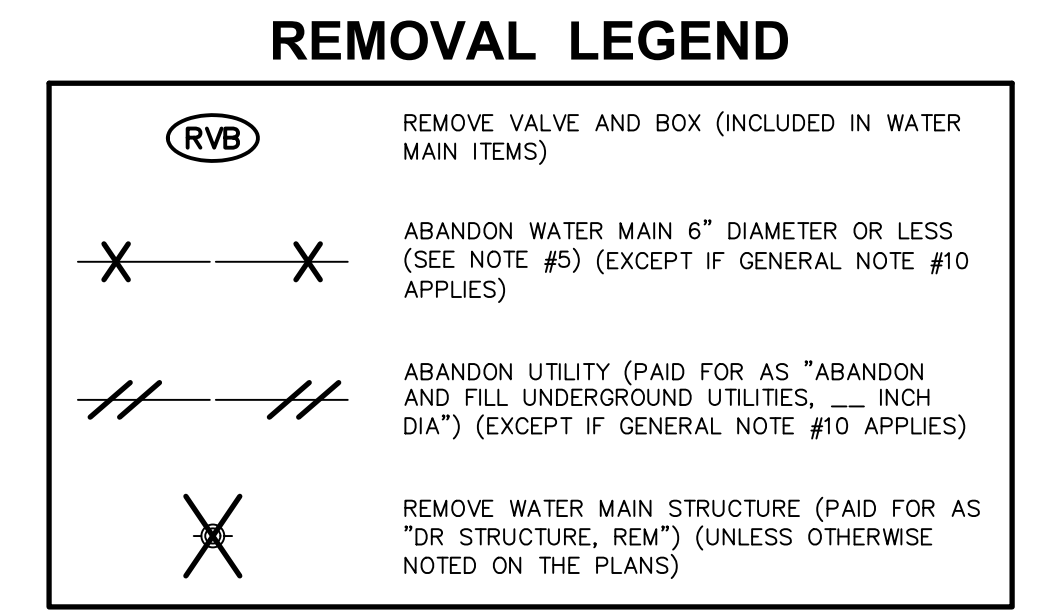
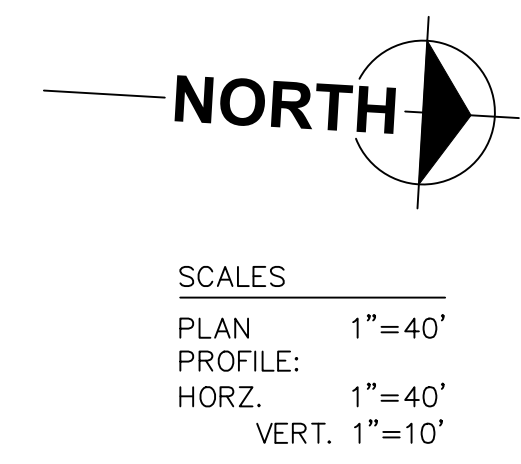
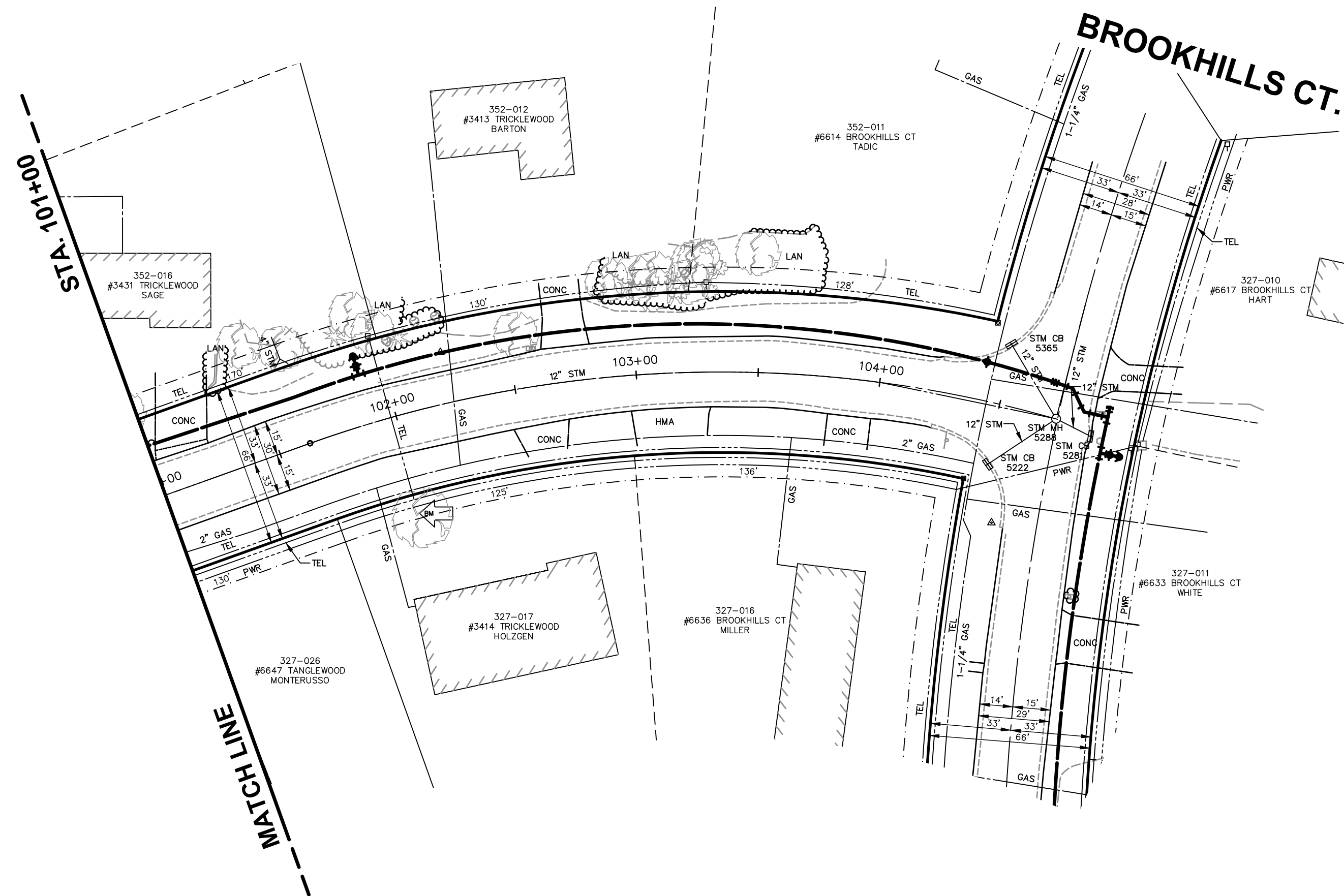
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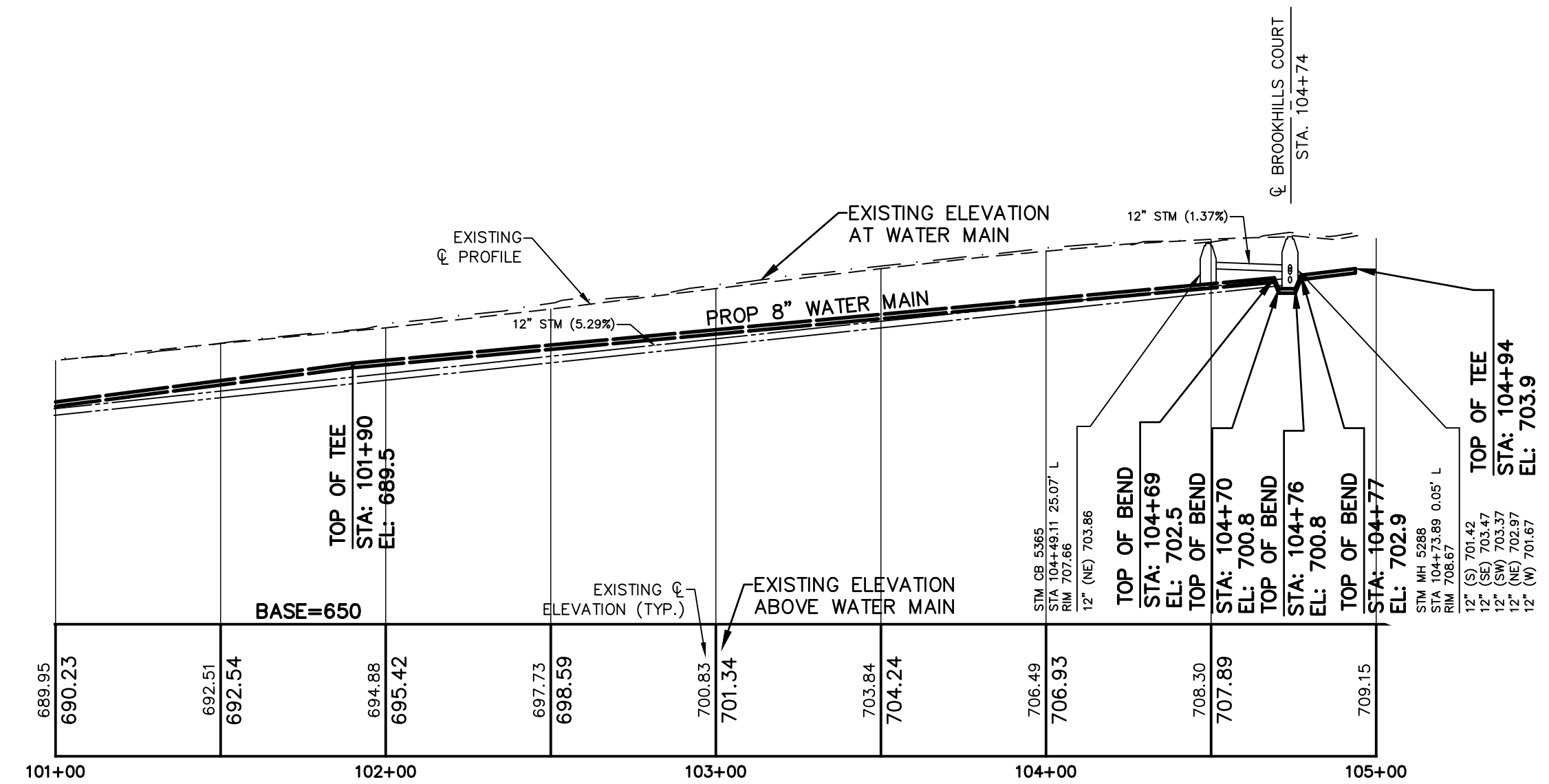
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Drawn by JDH GPF No. 5843 Sheet No. 11 of 23
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- (A) - (X) WATER MAIN TESTING LIMITS



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DRAFT

12/2021

WATER MAIN

SURVEYED & DESIGNED BY:

Prein & Newhof

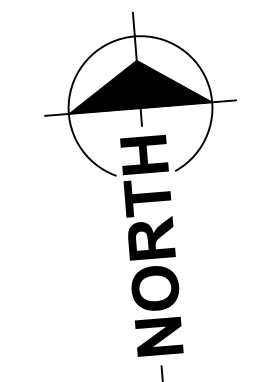
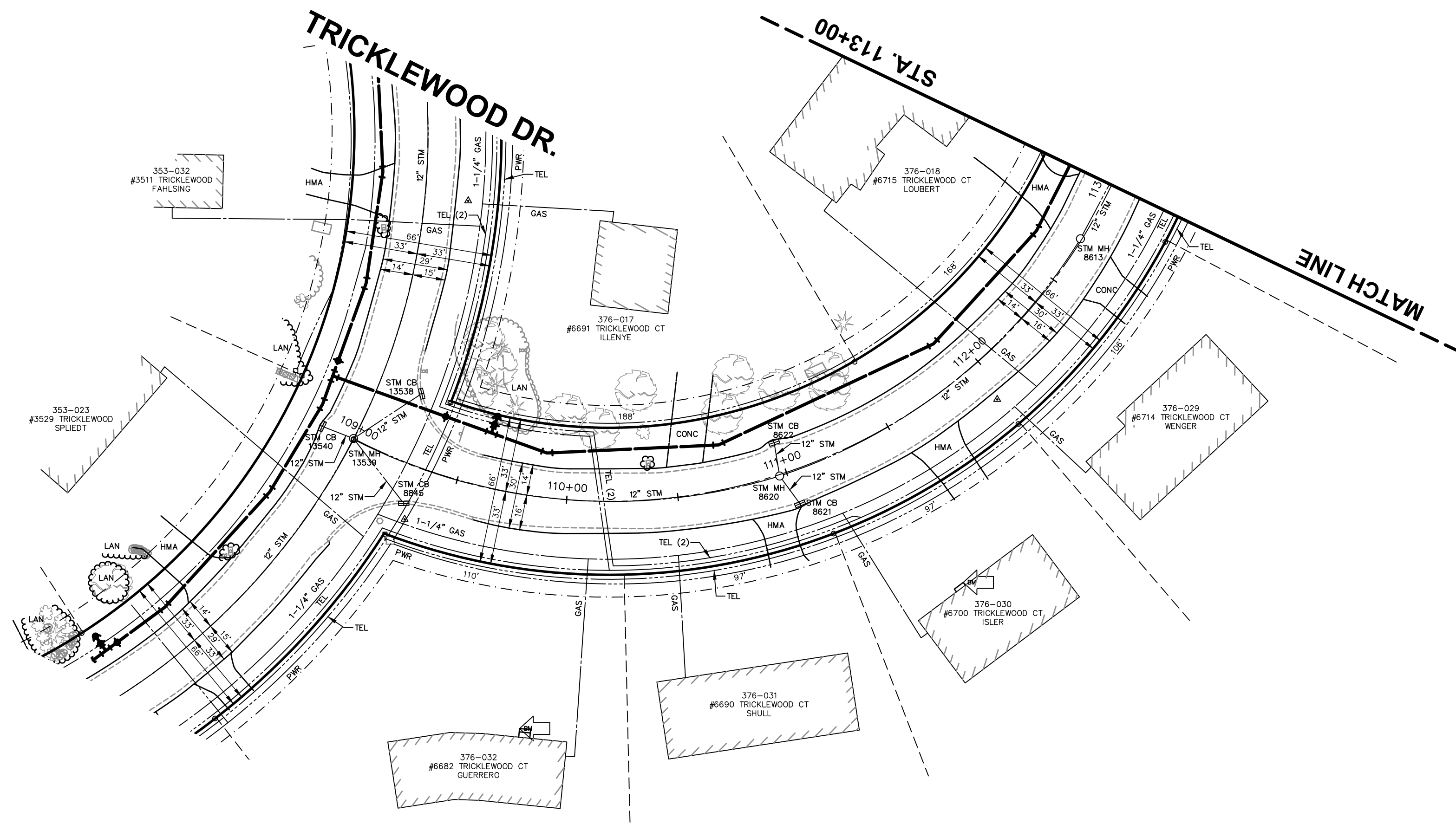
Engineers • Surveyors • Environmental • Laboratory

City of Grand Rapids
Public Services
Engineering Department

WATER MAIN IN TRICKLEWOOD DRIVE

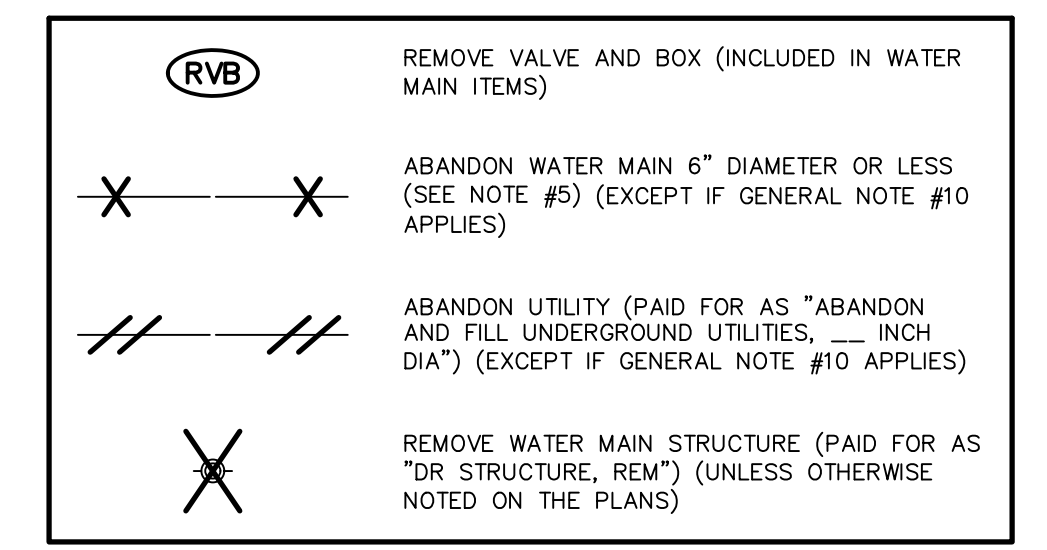
FROM 250' SOUTH WEST OF TRICKLEWOOD CT.
TO
BROOKHILLS CT.
(BURGER-GOODWOOD NEIGHBORHOOD
WATER MAIN - PHASE 1)

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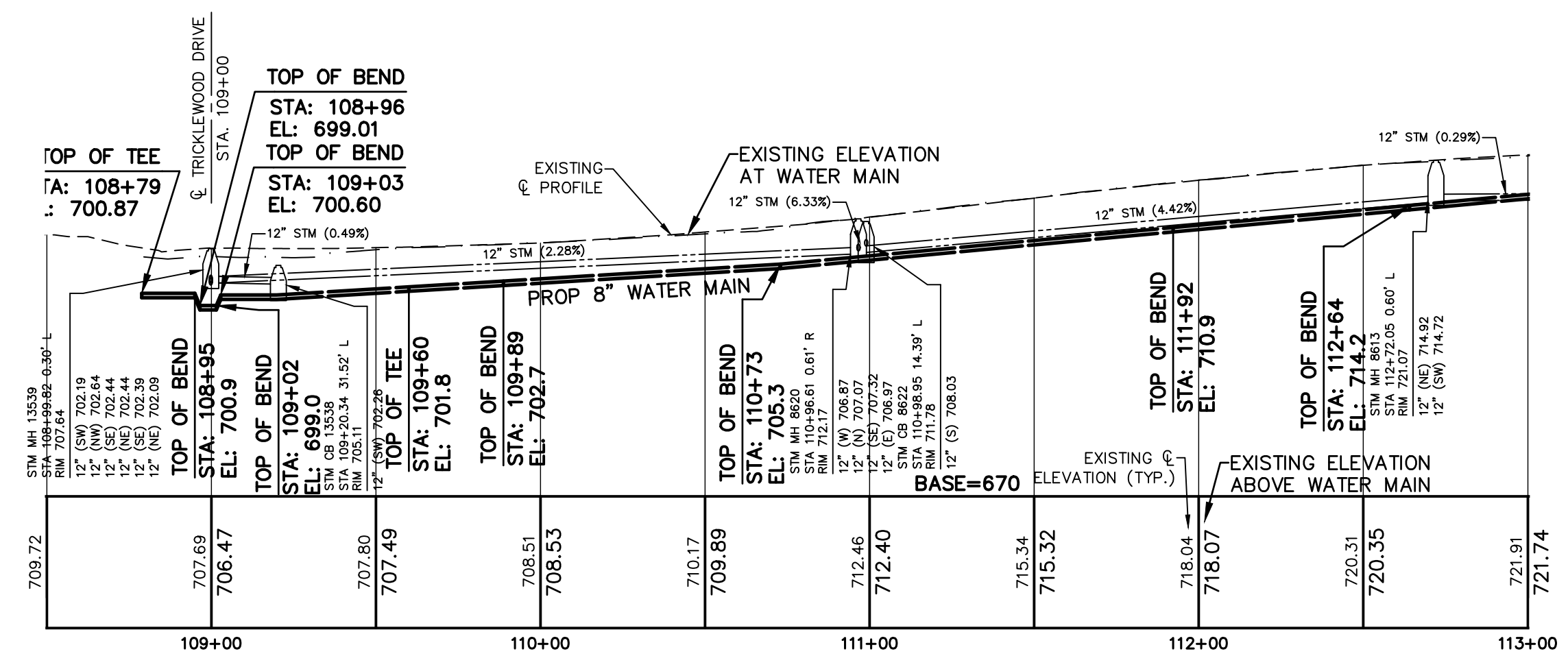
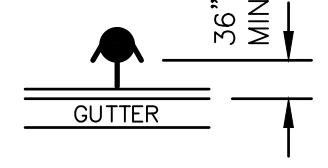
SCALES
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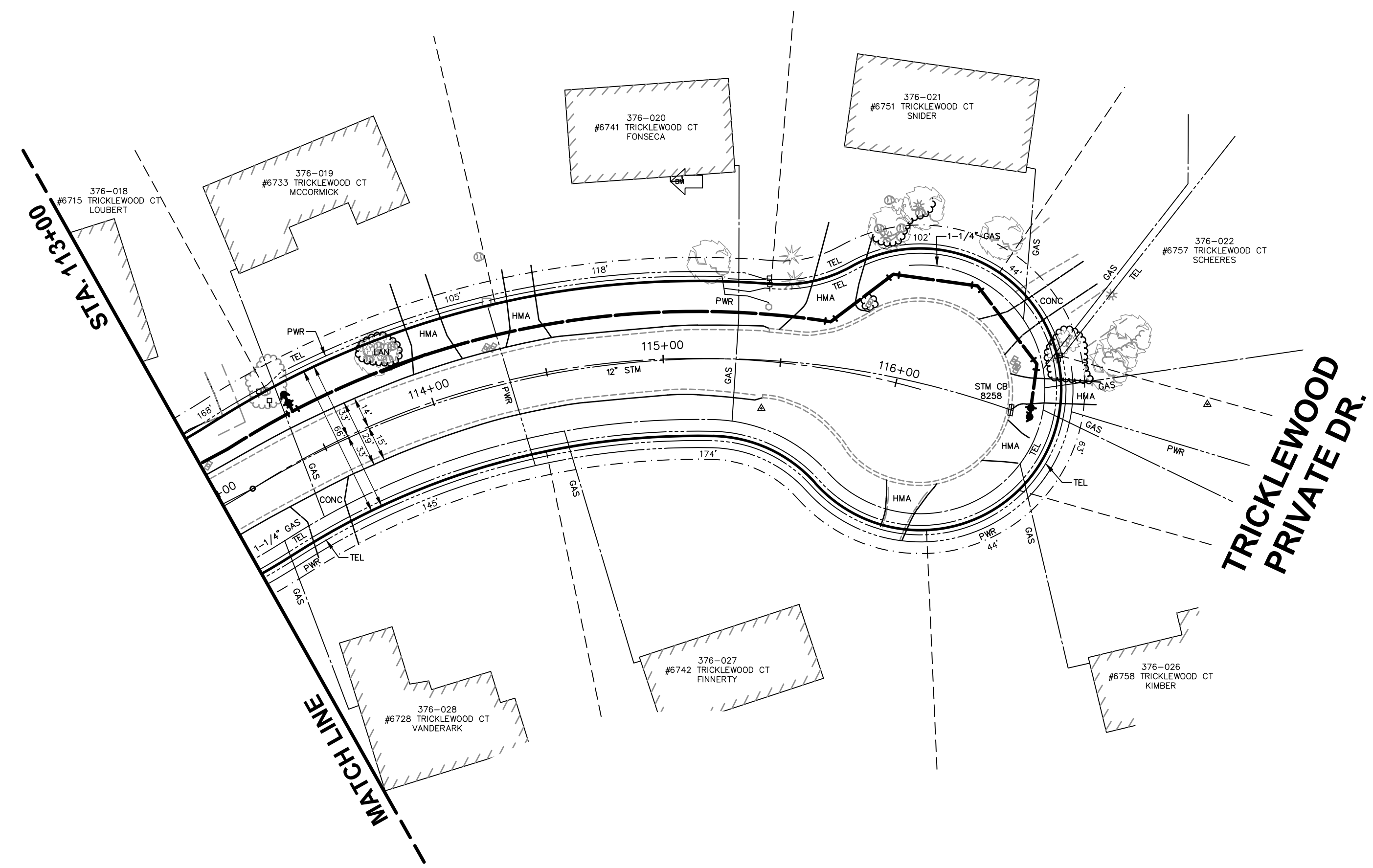
WATER MAIN

SURVEYED & DESIGNED BY:
Prein & Newhof
 Engineers • Surveyors • Environmental • Laboratory

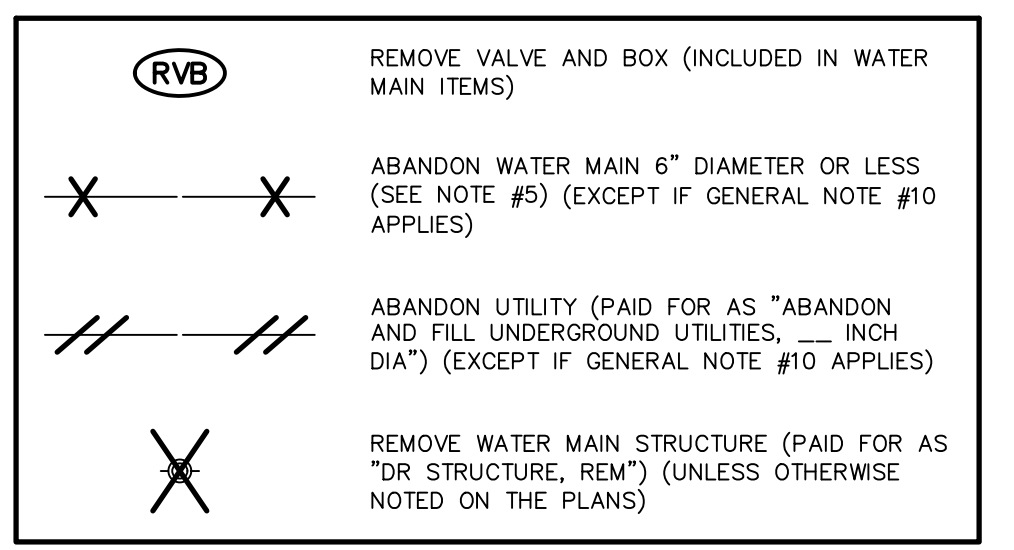
City of Grand Rapids
 Public Services
 Engineering Department

**WATER MAIN
 IN
 TRICKLEWOOD COURT
 FROM TRICKLEWOOD DRIVE
 TO
 EAST END
 (BURGER-GOODWOOD NEIGHBORHOOD
 WATER MAIN - PHASE 1)**

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REMOVAL LEGEND

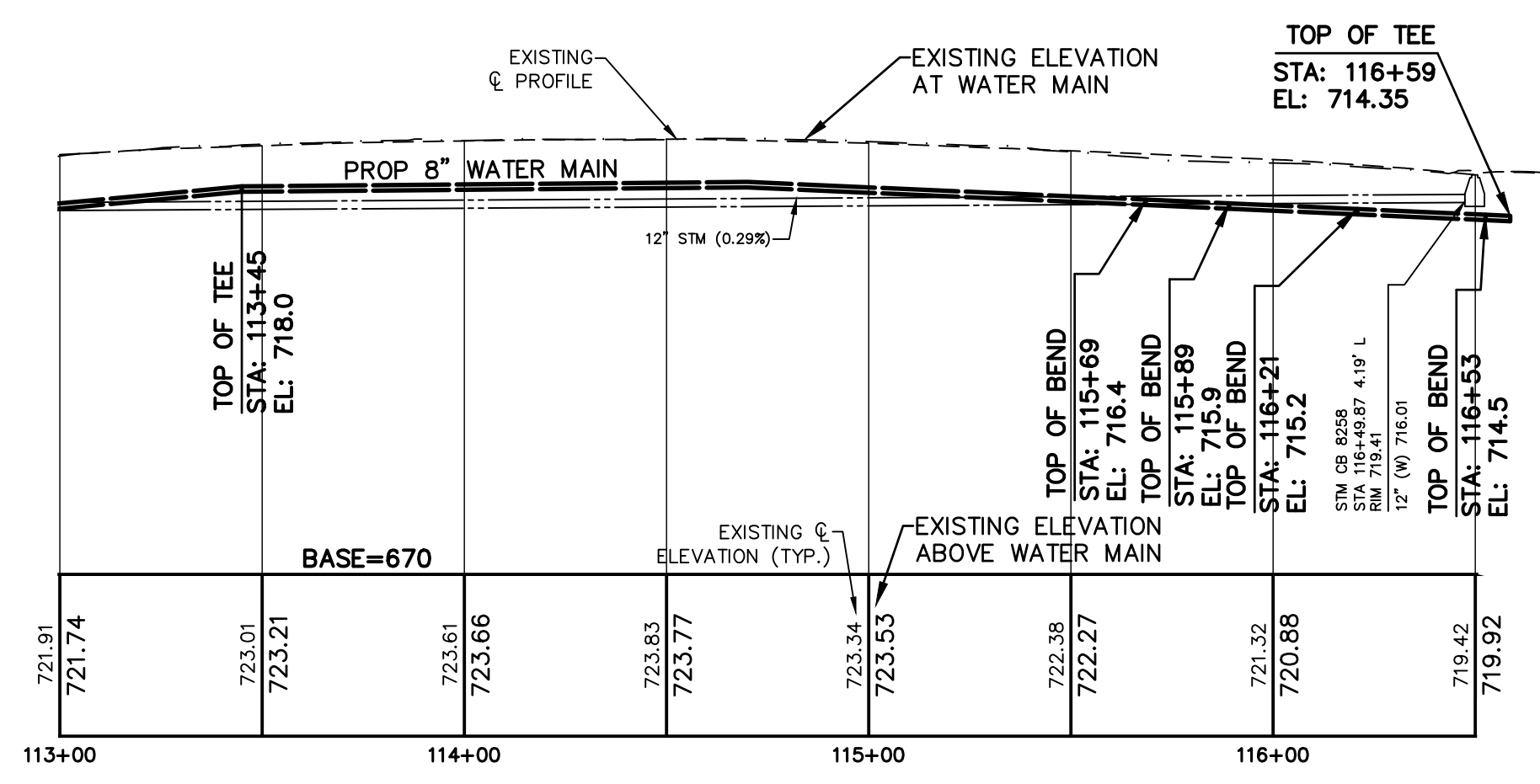
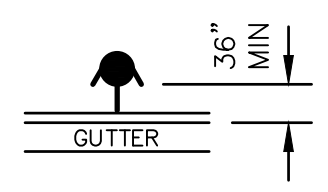


NORTH

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WATER MAIN

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 Engineers • Surveyors • Environmental • Laboratory

City of Grand Rapids
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**WATER MAIN
 IN
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 FROM TRICKLEWOOD DRIVE
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 WATER MAIN - PHASE 1)**

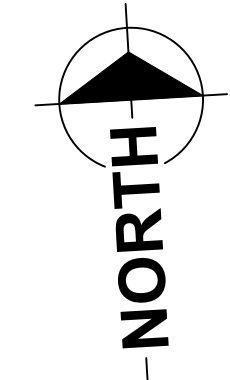
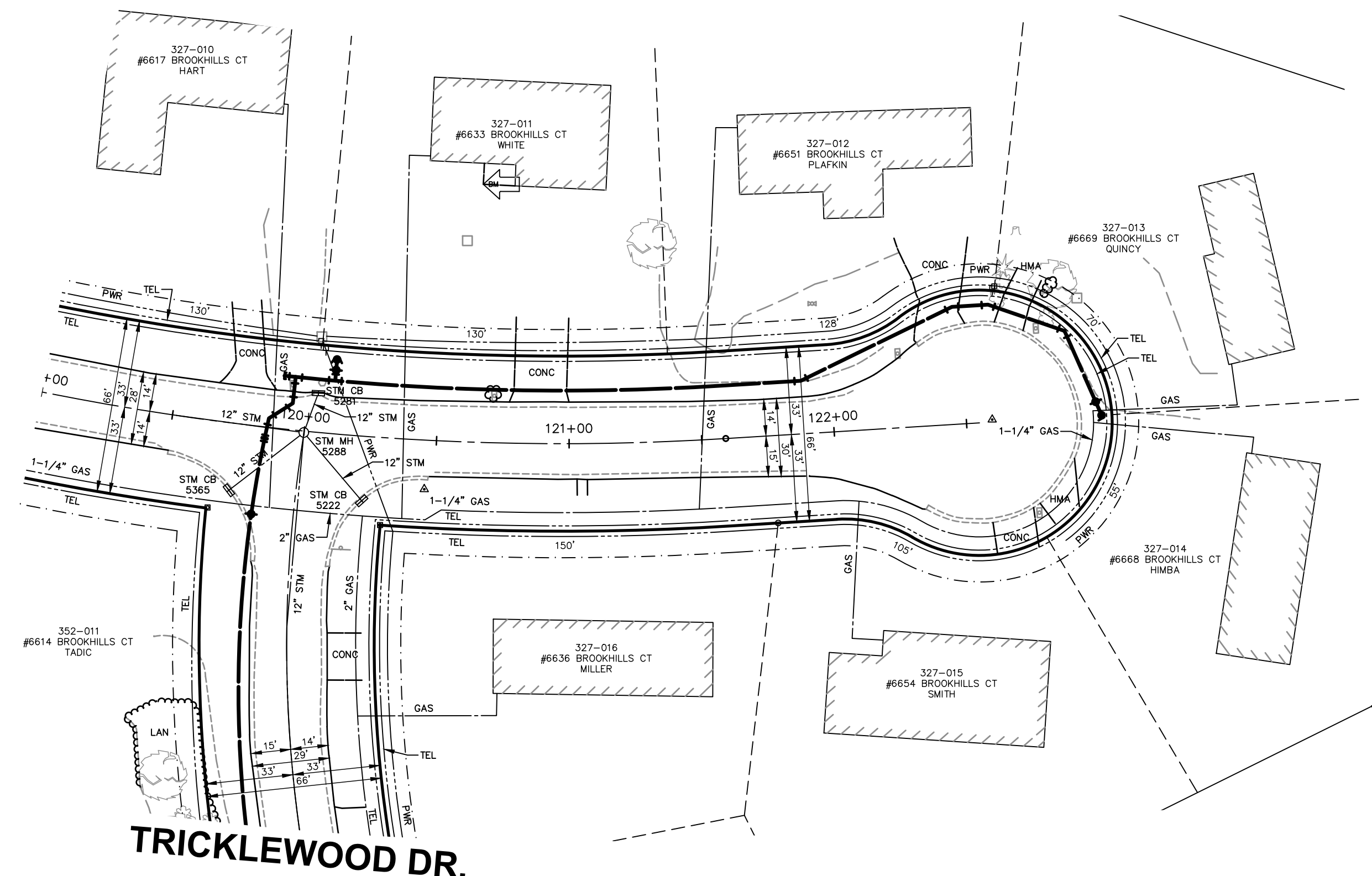
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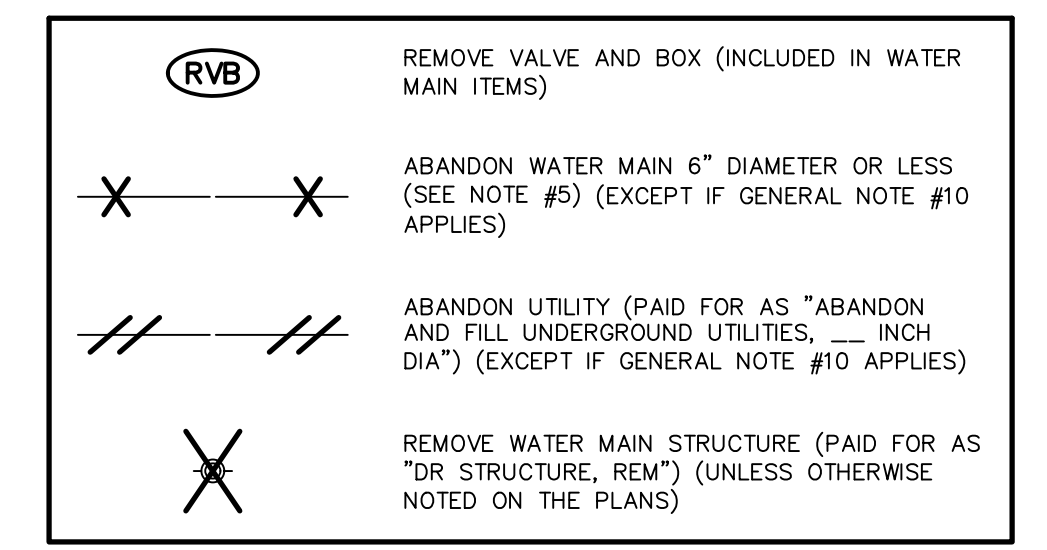
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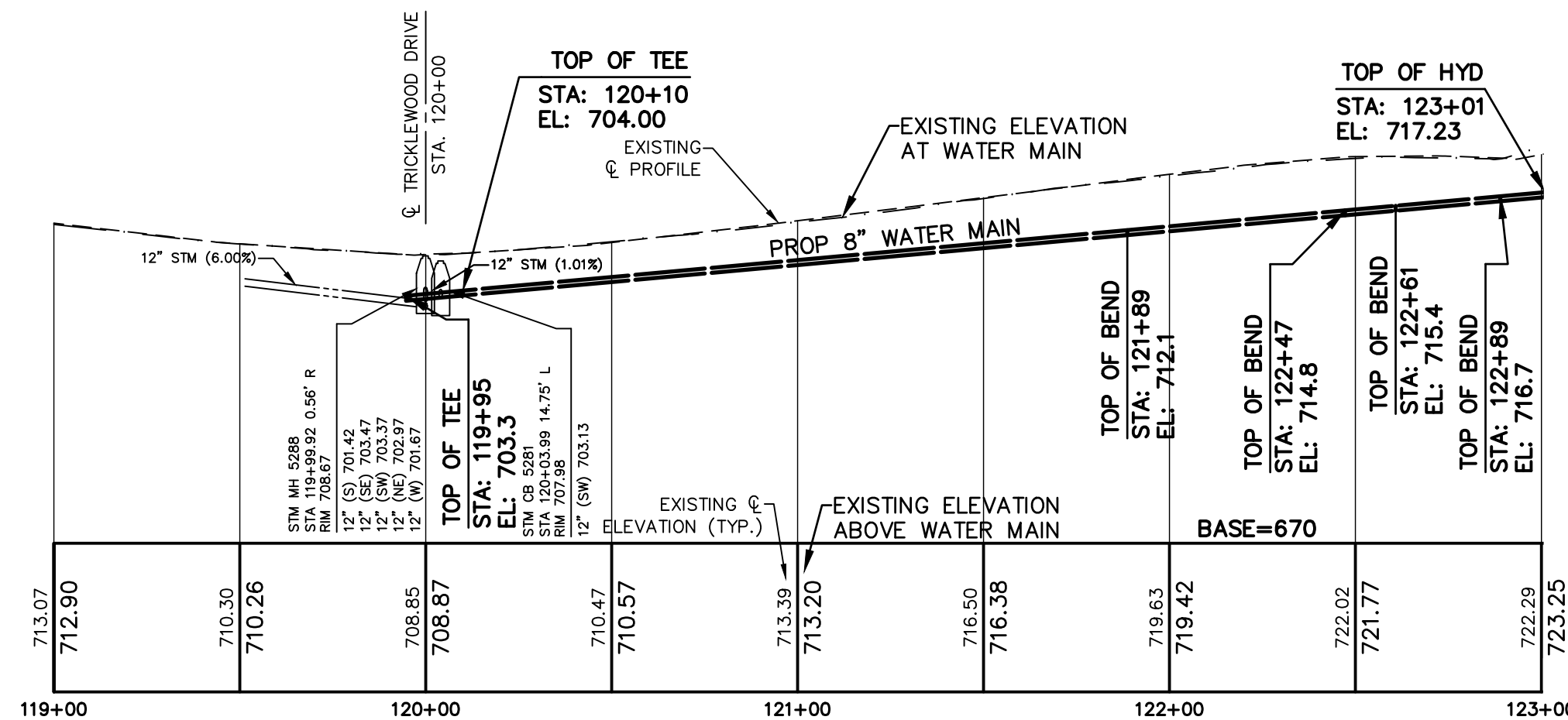
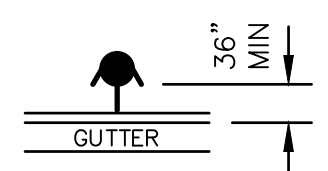
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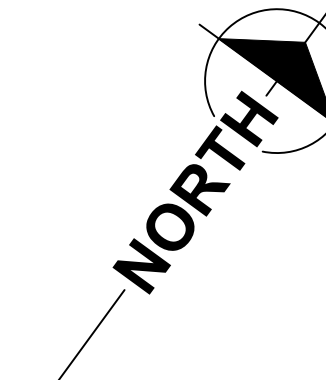
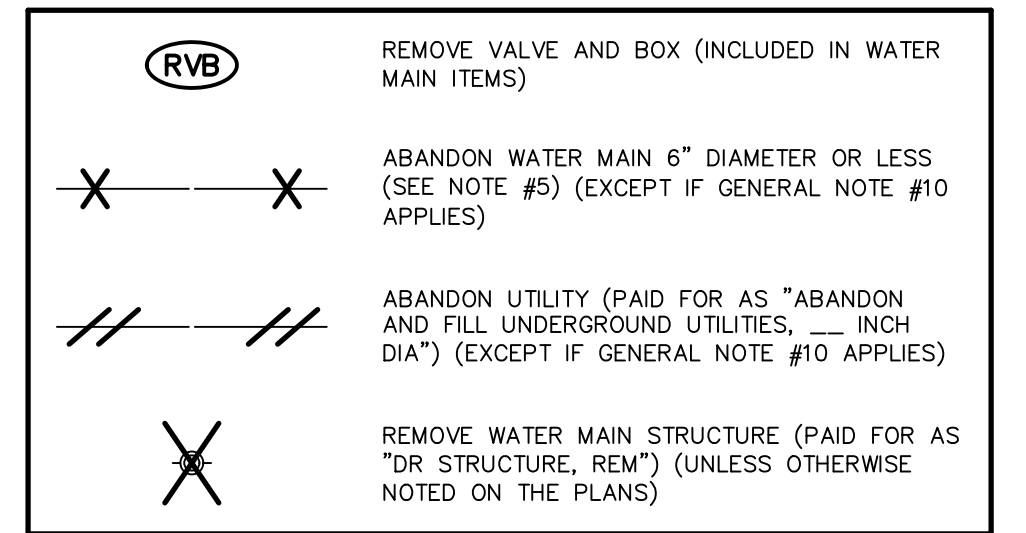
WATER MAIN

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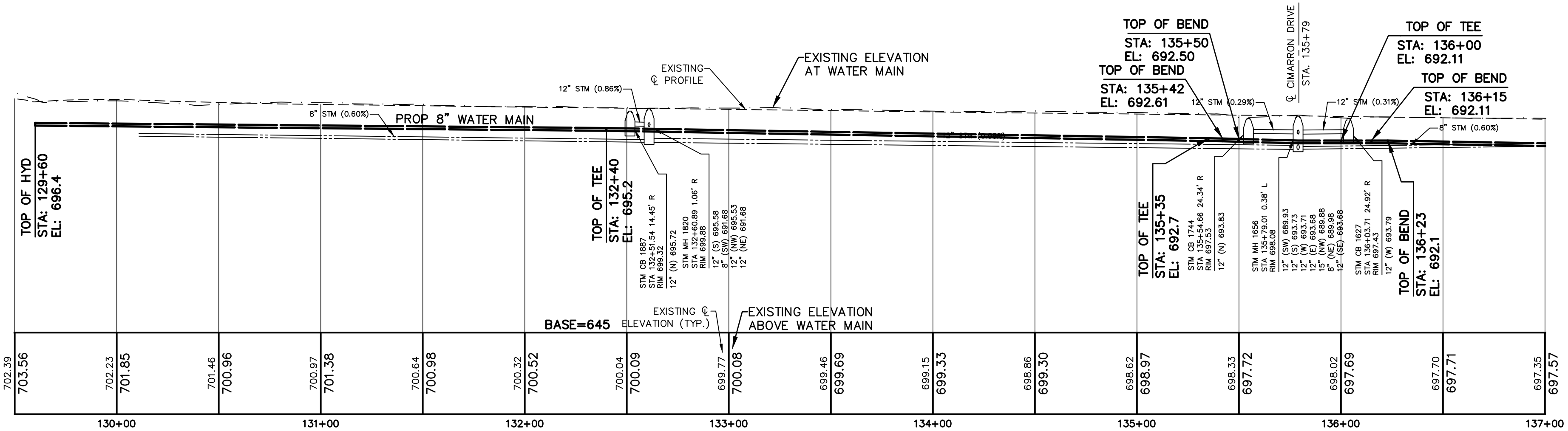
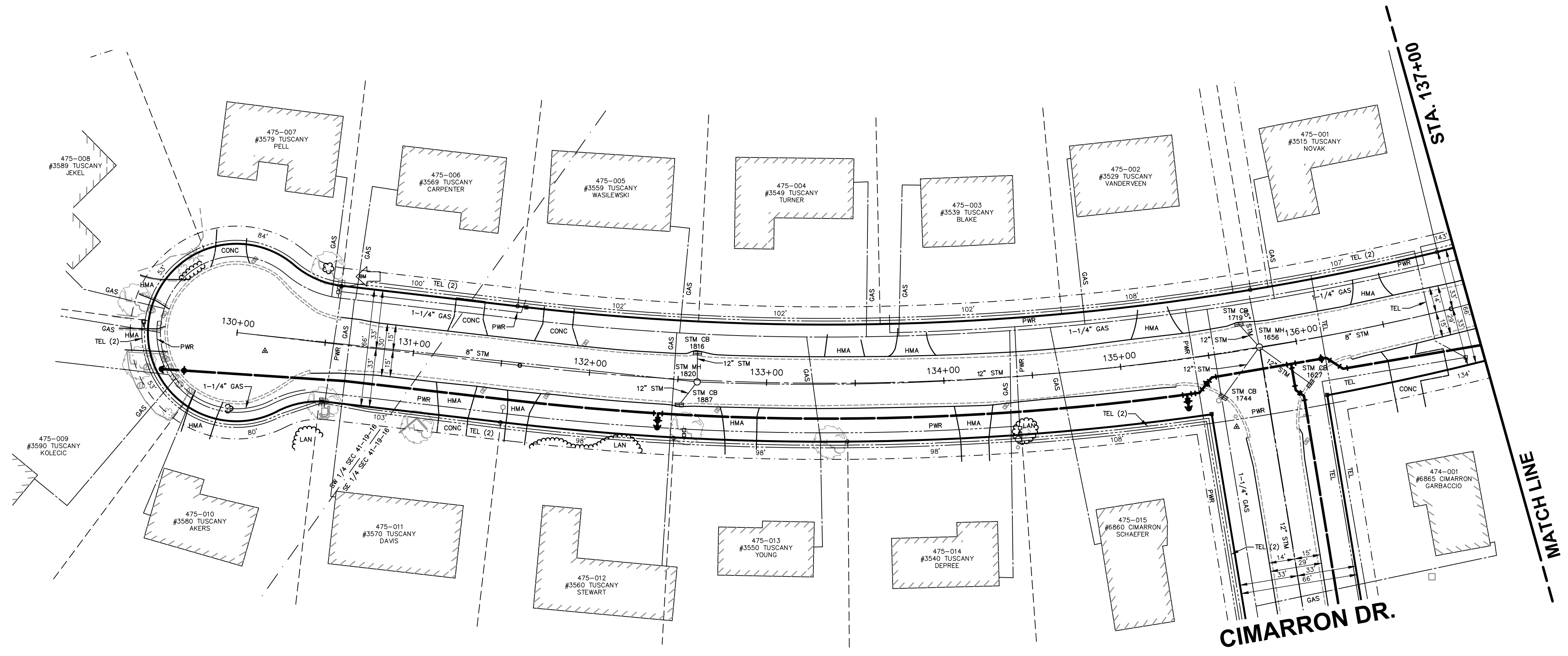
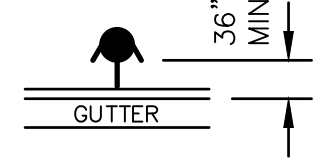
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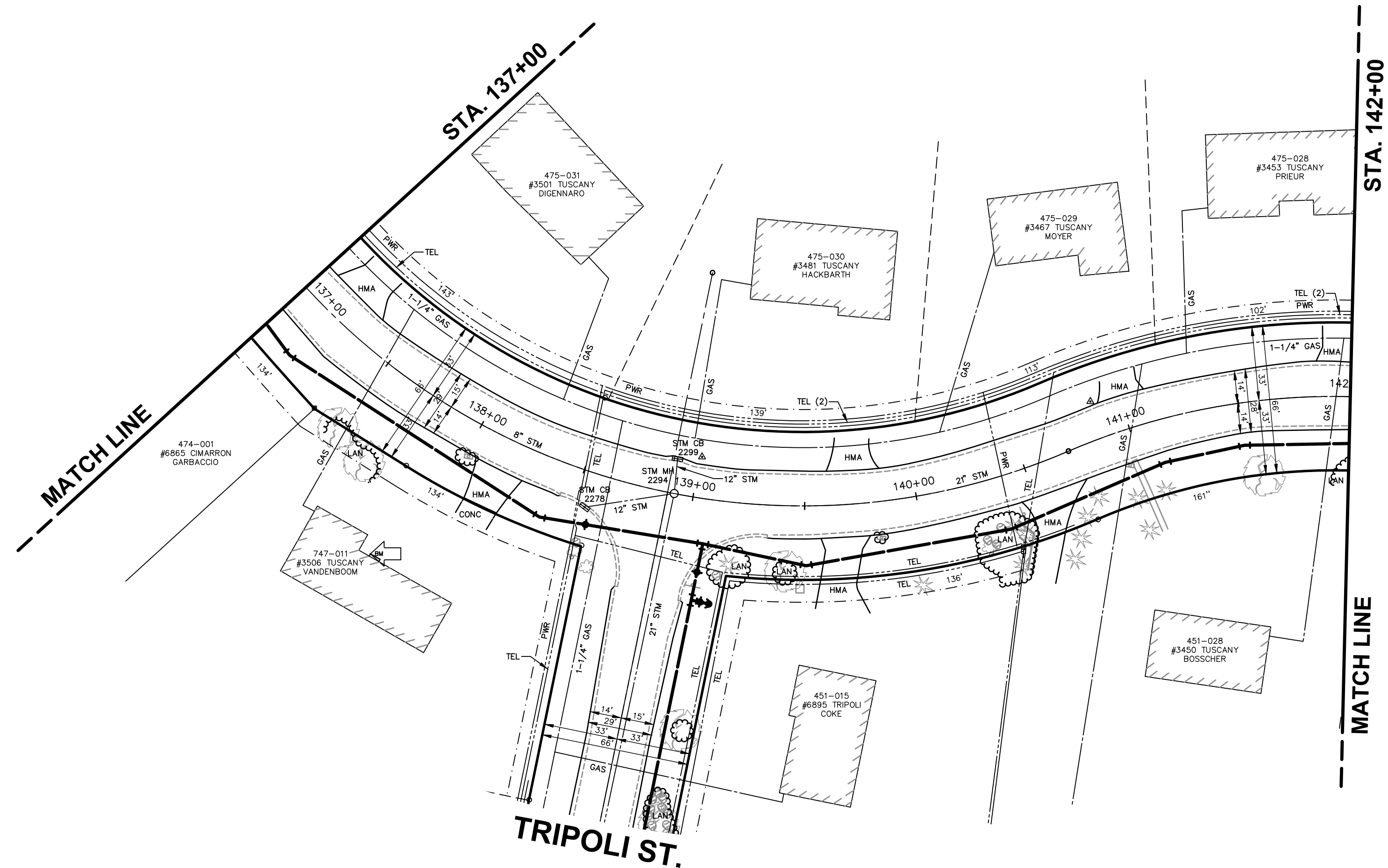
DRAFT
12/2021

WATER MAIN

SURVEYED & DESIGNED BY:
Prein & Newhof
 Engineers • Surveyors • Environmental • Laboratory

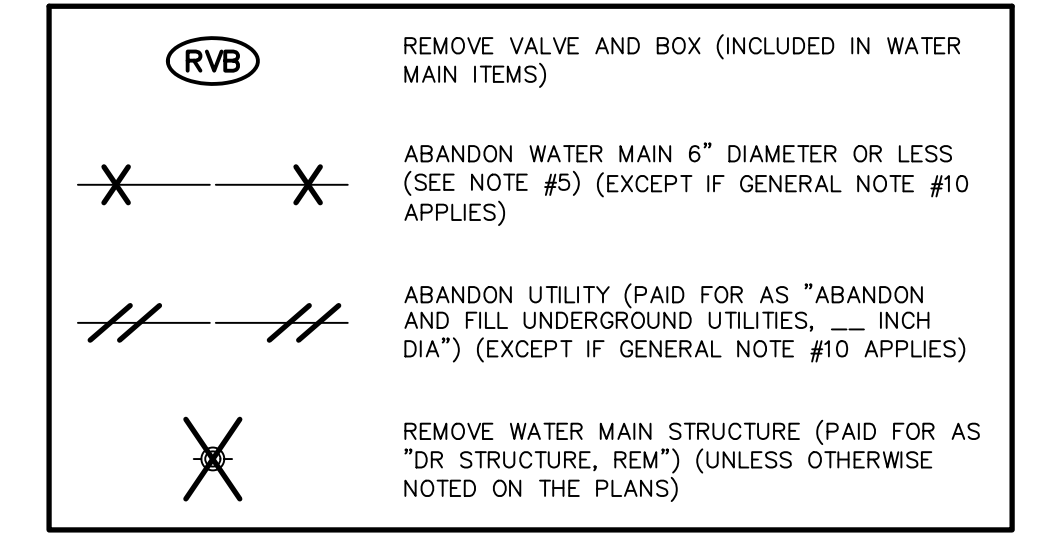
City of Grand Rapids
 Public Services
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**WATER MAIN
 IN
 TUSCANY DRIVE
 FROM SOUTH EAST END
 TO
 BURGER DR.
 (BURGER-GOODWOOD NEIGHBORHOOD
 WATER MAIN - PHASE 1)**

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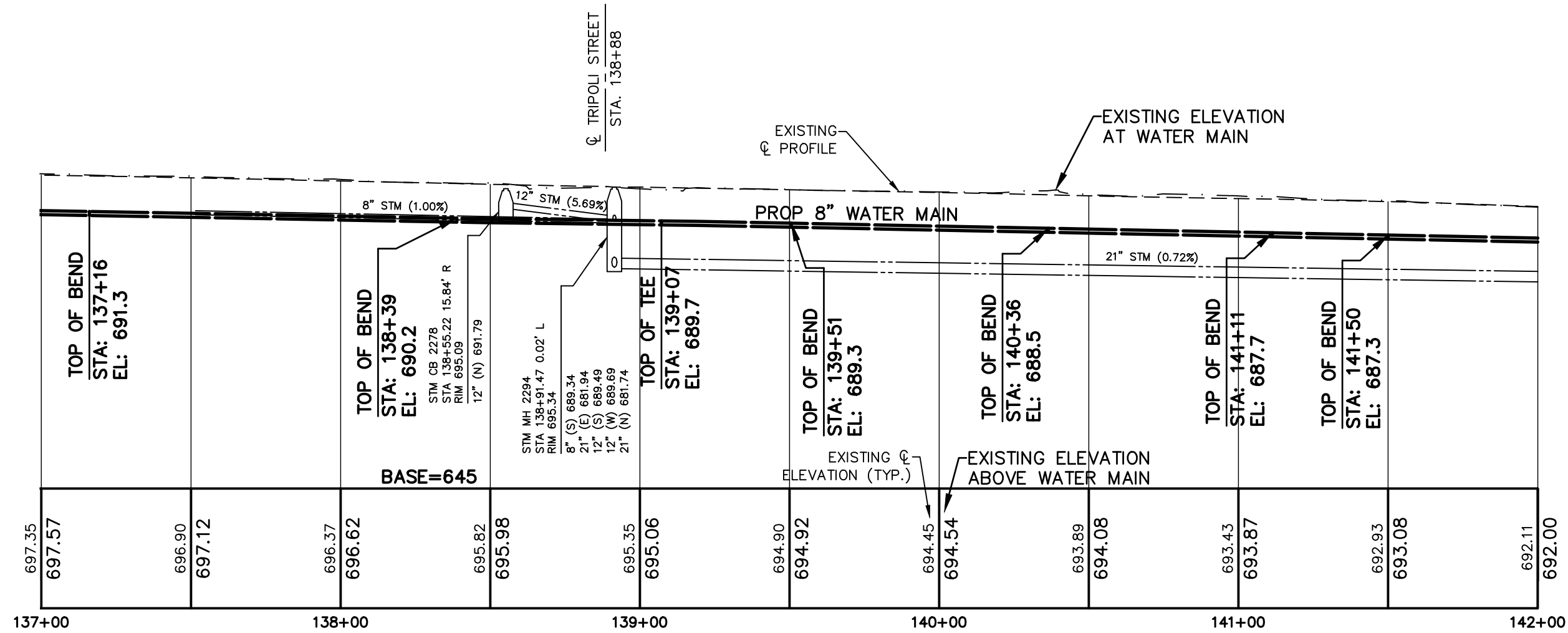
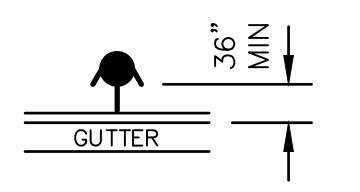
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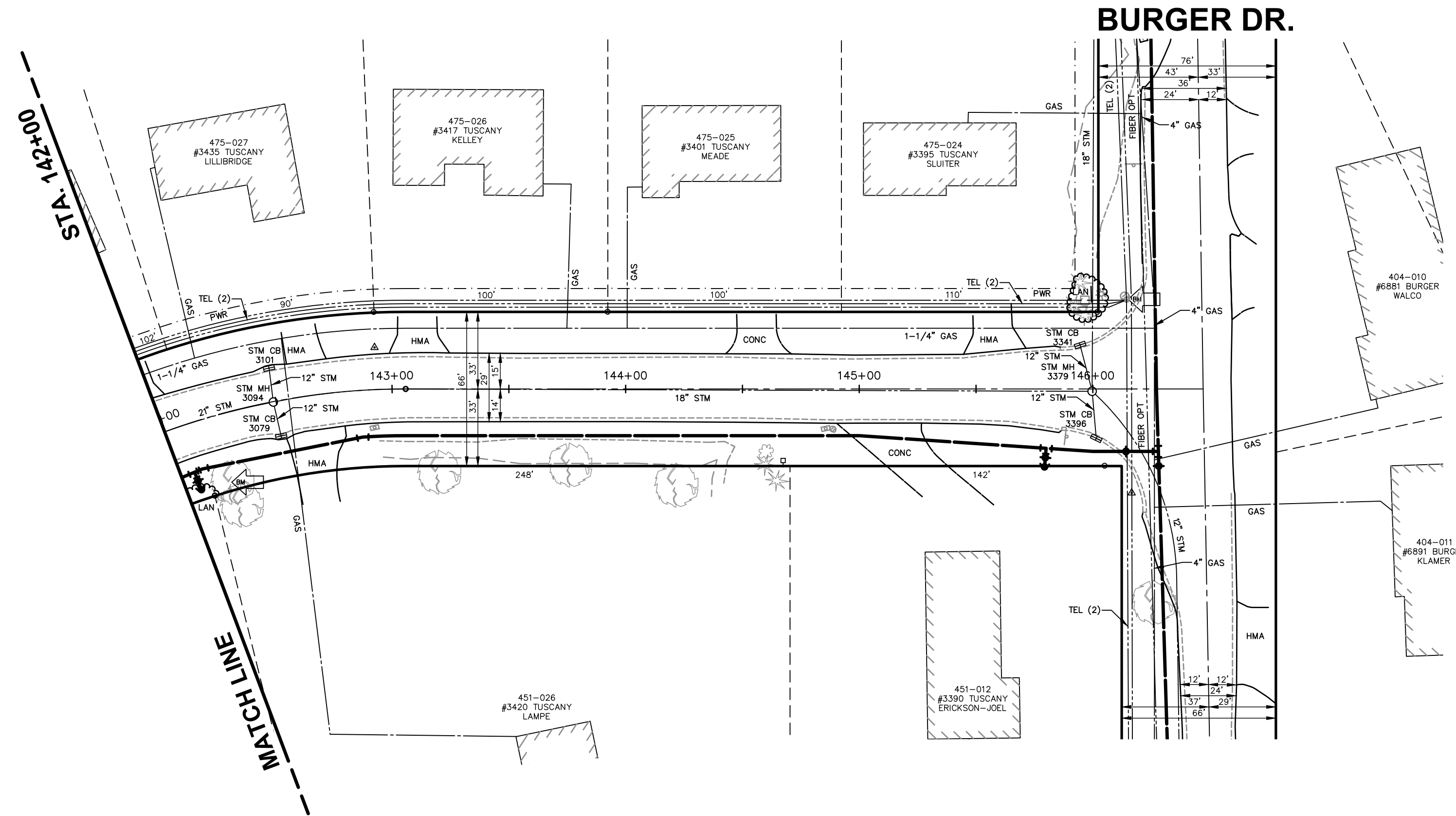
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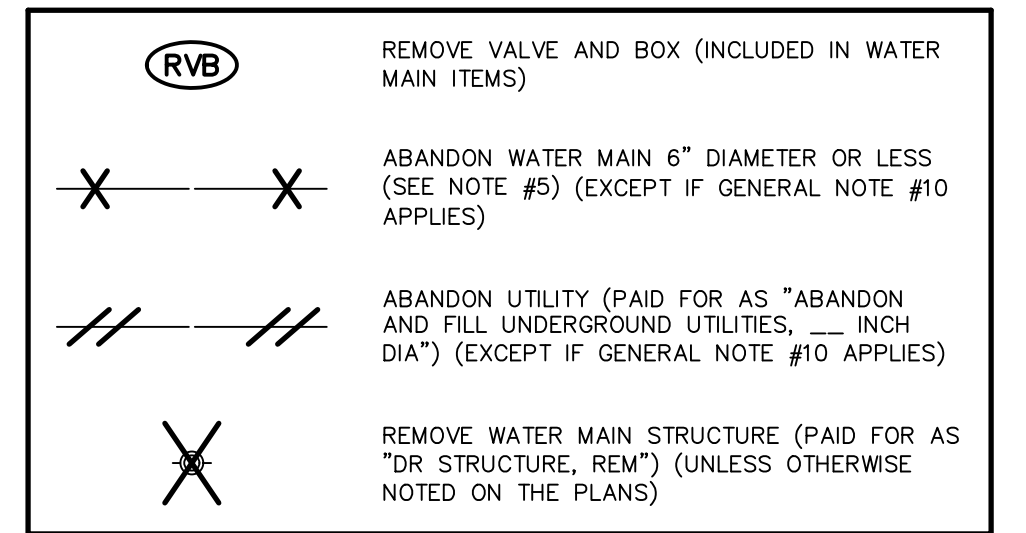
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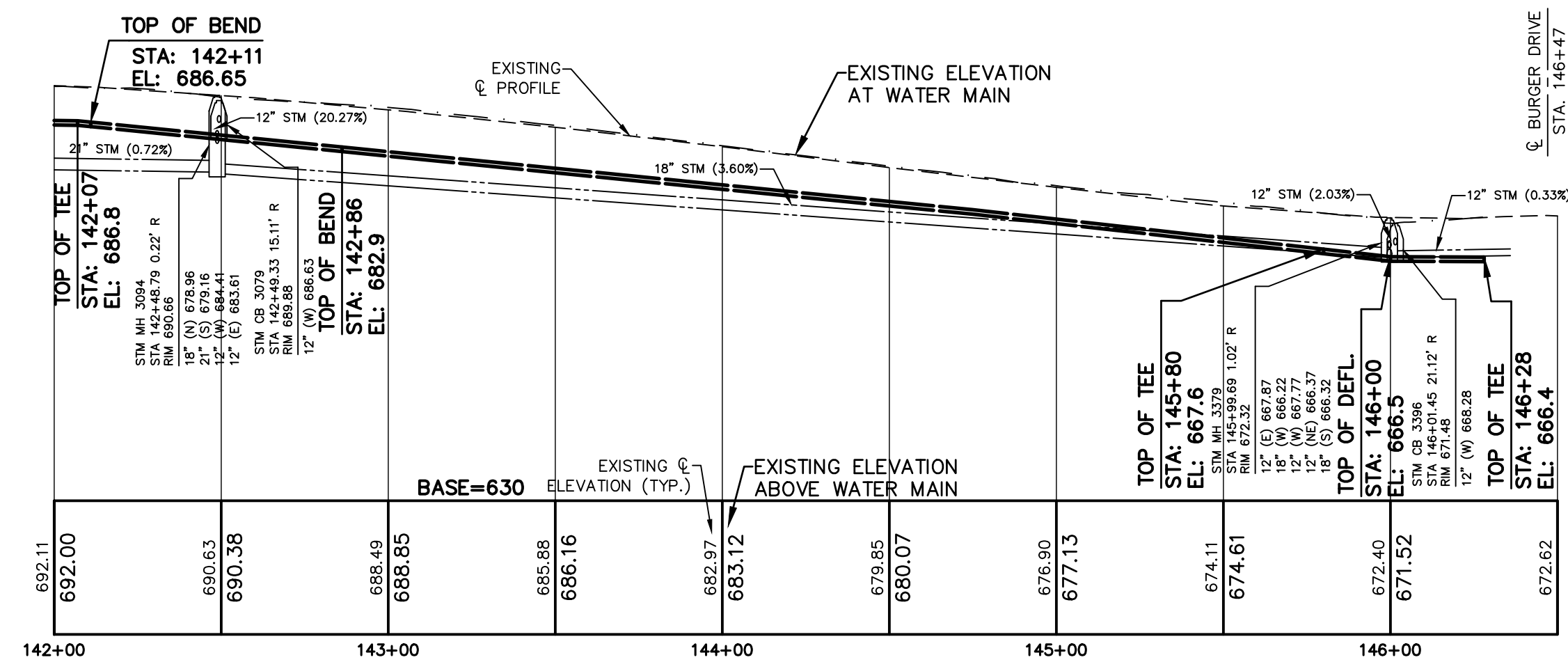
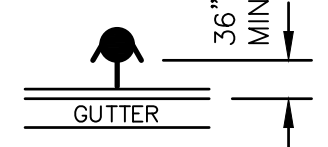
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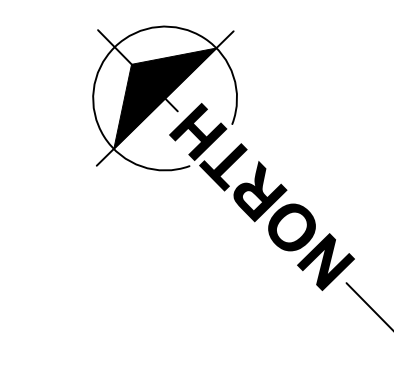
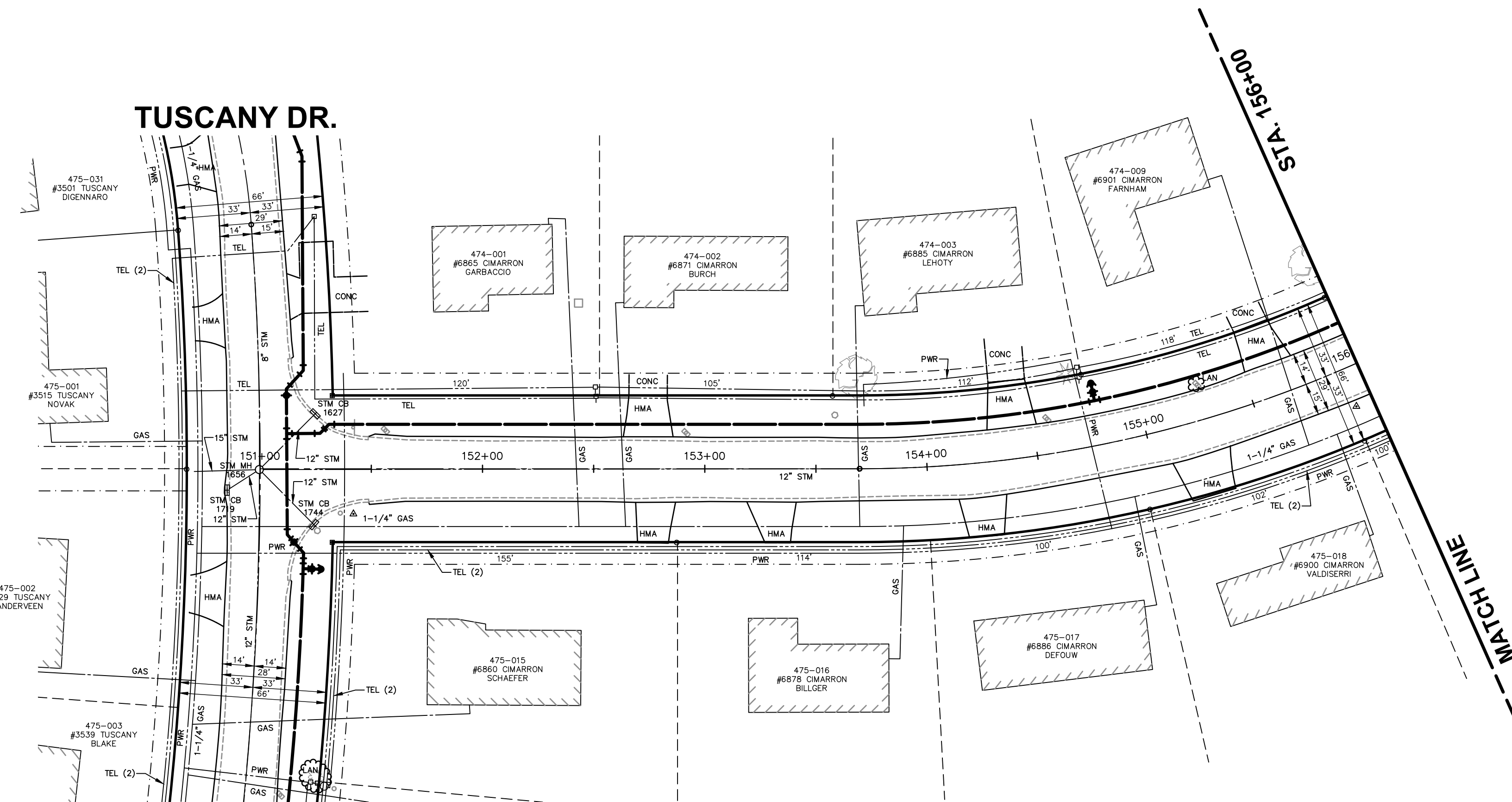
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WATER MAIN

SURVEYED & DESIGNED BY:
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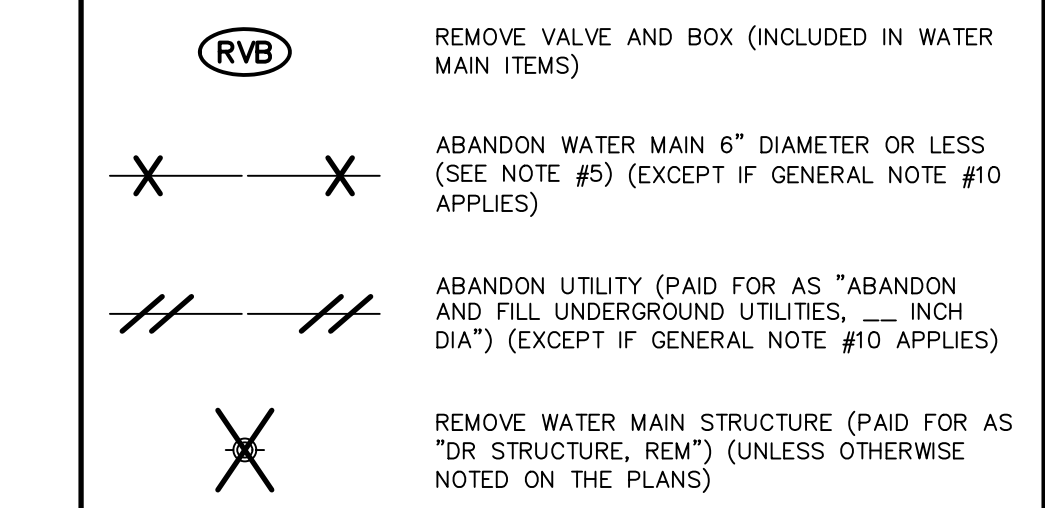
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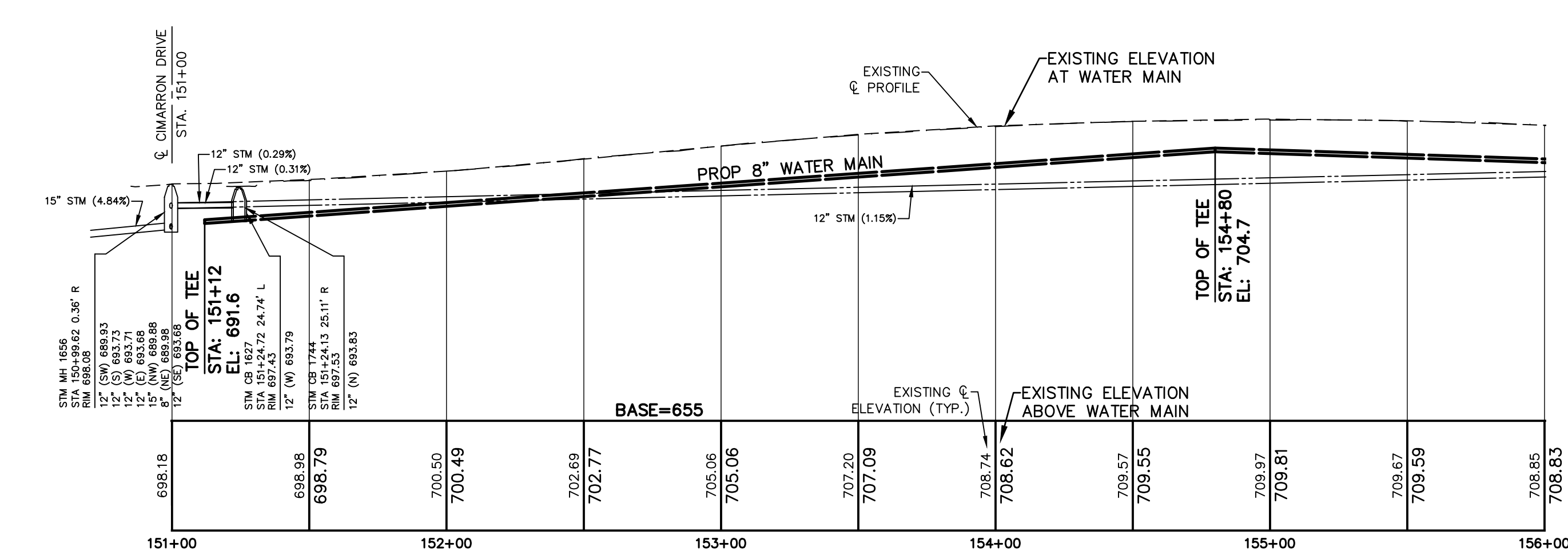
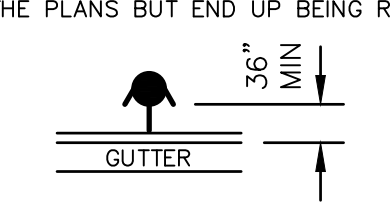
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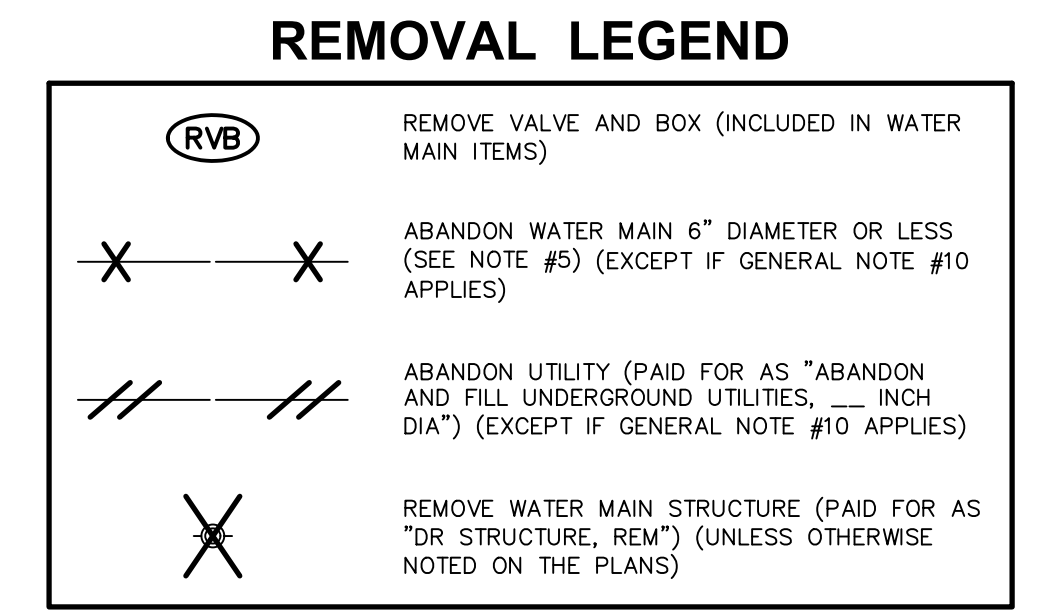
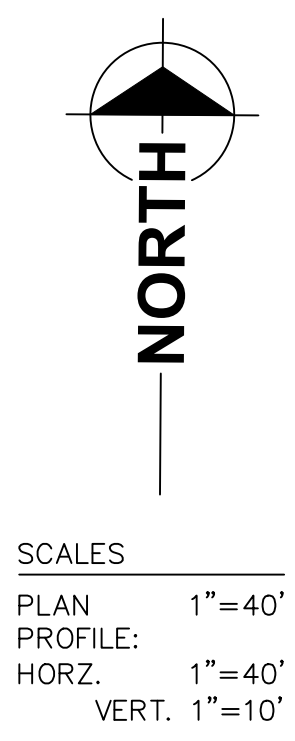
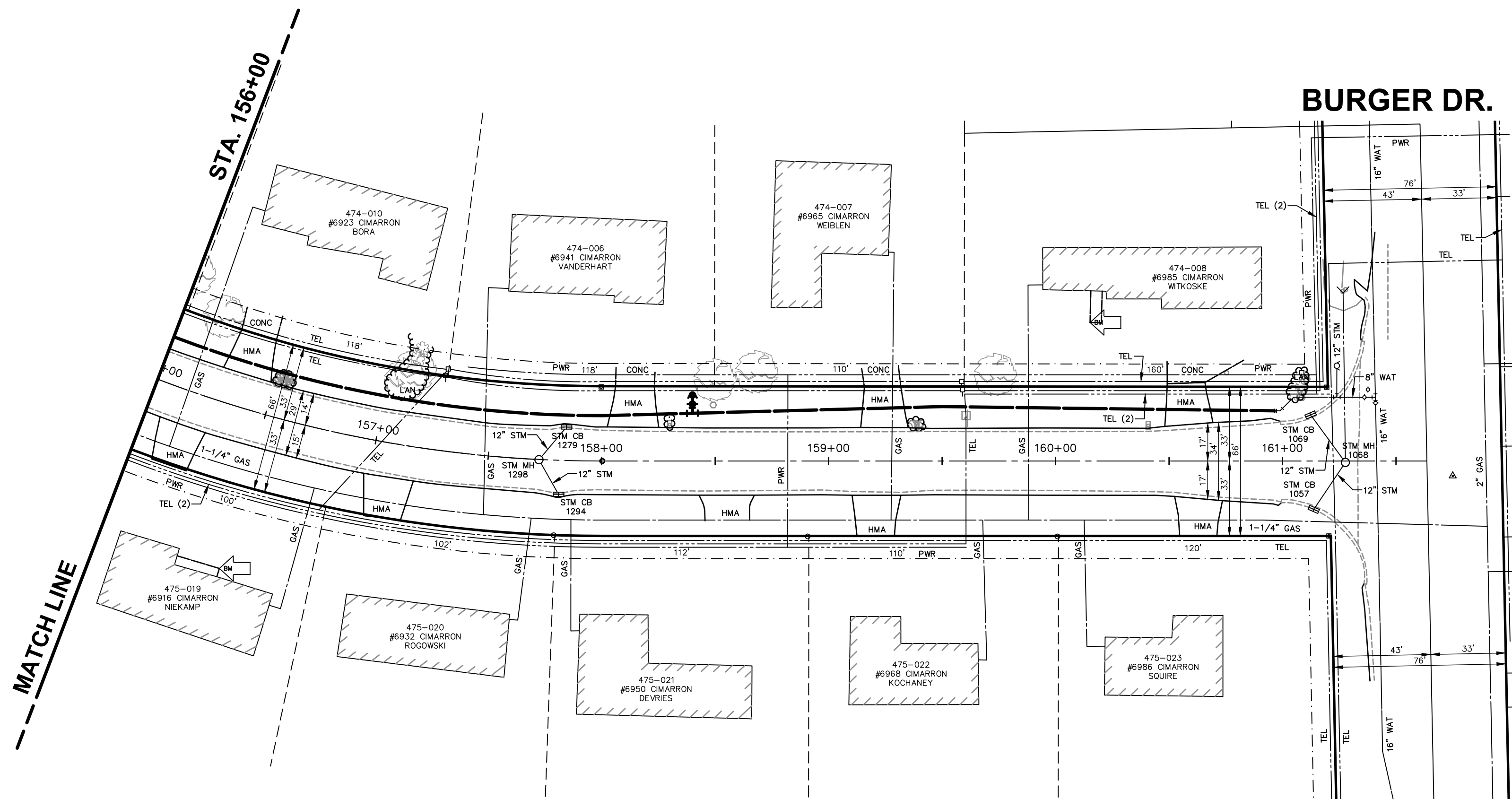
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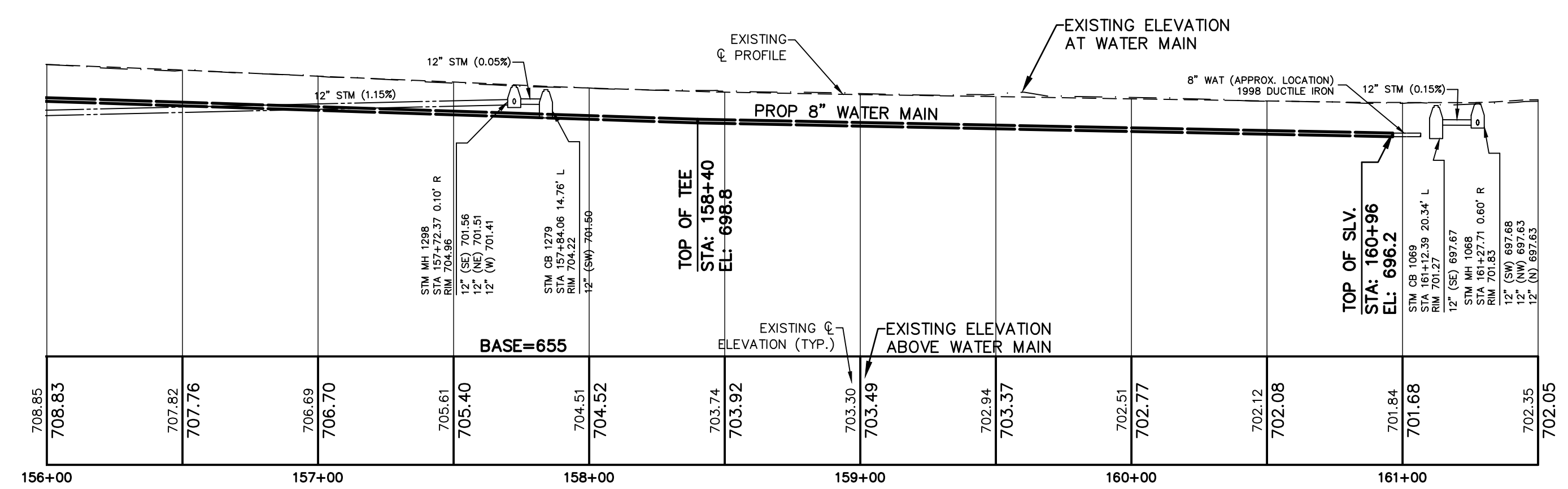
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12/2021

WATER MAIN

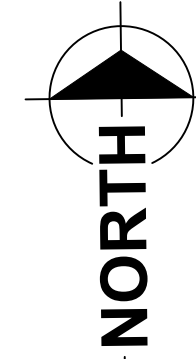
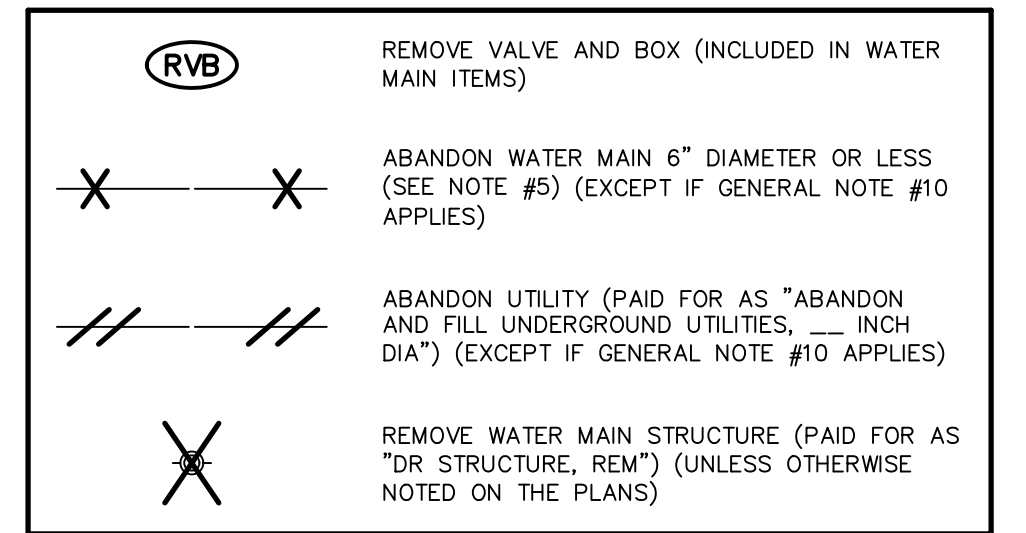
SURVEYED & DESIGNED BY:
Prein & Newhof
Engineers • Surveyors • Environmental • Laboratory

City of Grand Rapids
Public Services
Engineering Department

WATER MAIN IN CIMARRON DRIVE FROM TUSCANY DR. TO BURGER DR. (BURGER-GOODWOOD NEIGHBORHOOD WATER MAIN - PHASE 1)

Drawn by JDH GPF No. 5843 Sheet No. 20 of 23
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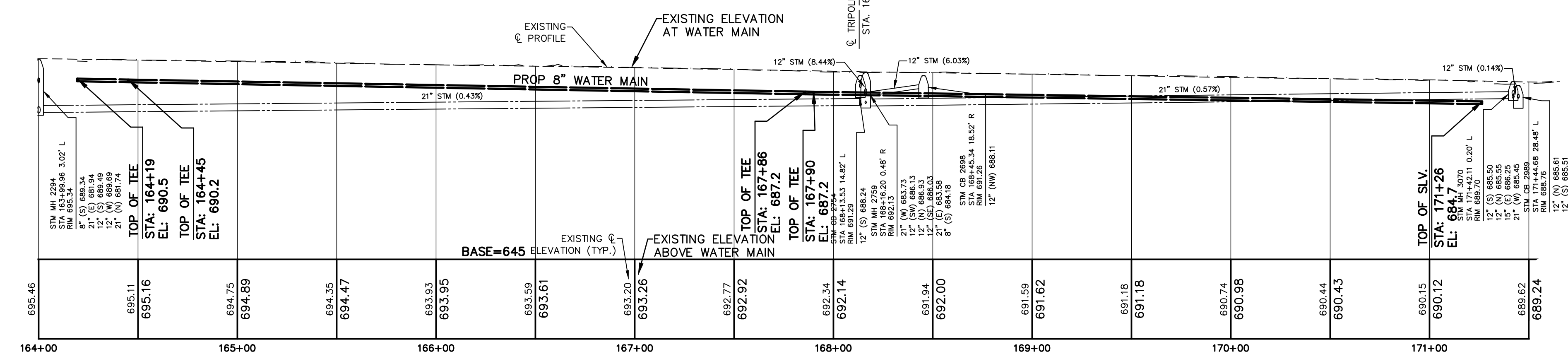
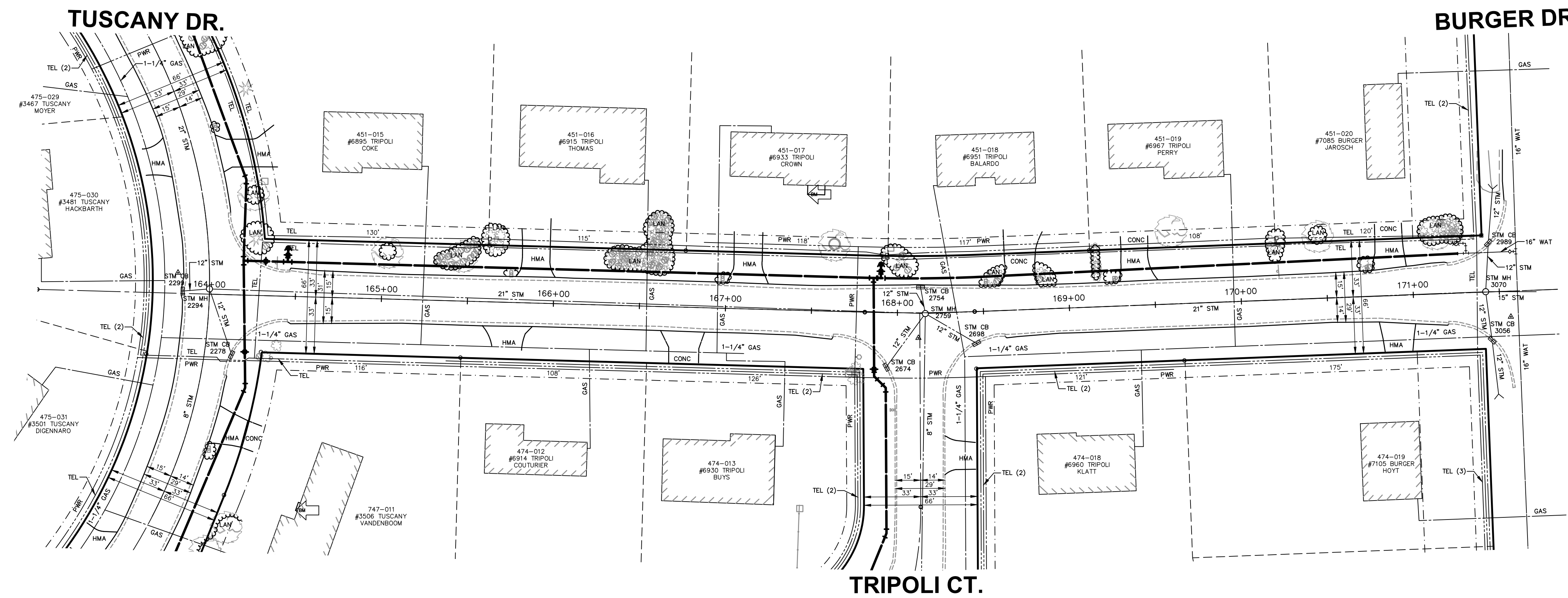
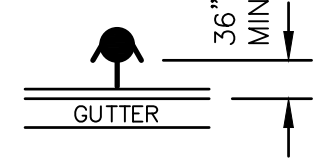
REMOVAL LEGEND



SCALES
 PLAN 1"=40'
 PROFILE 1"=40'
 HORIZ. 1"=40'
 VERT. 1"=10'

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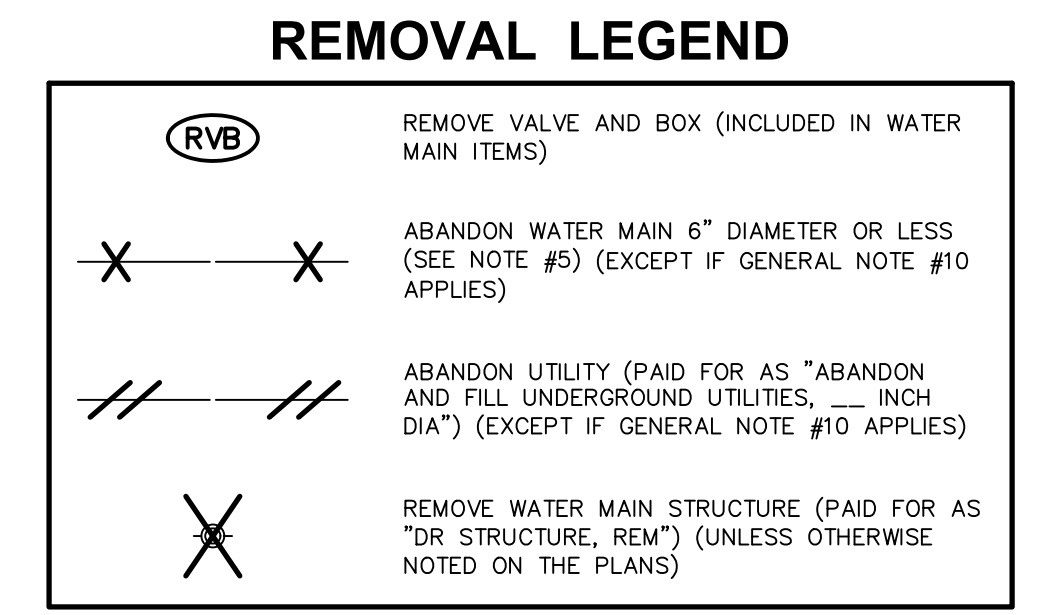
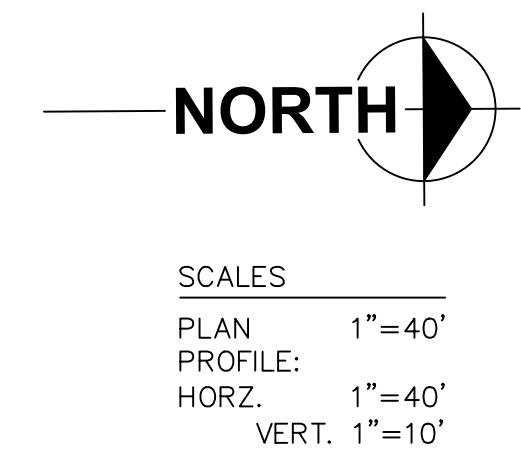
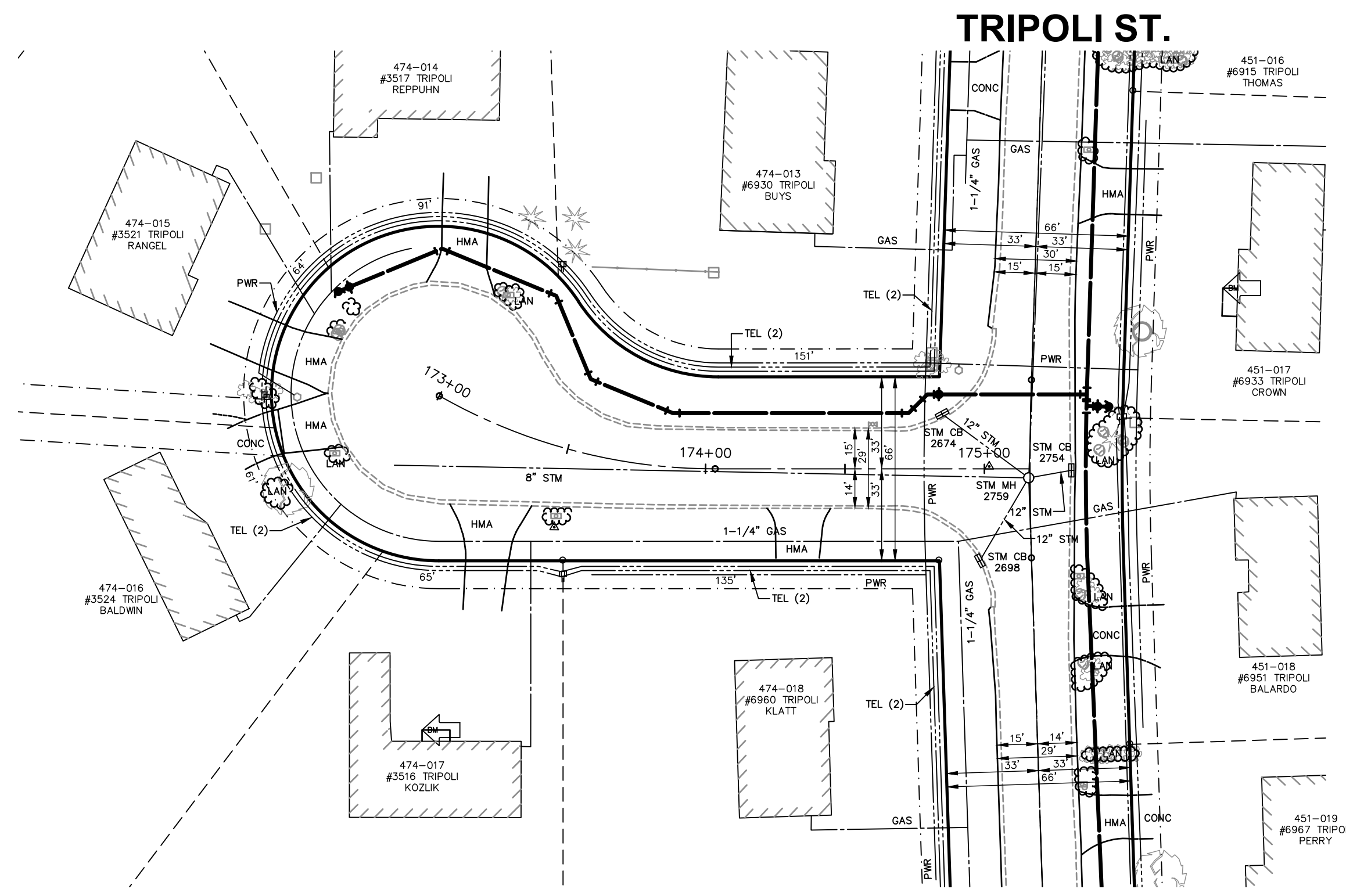
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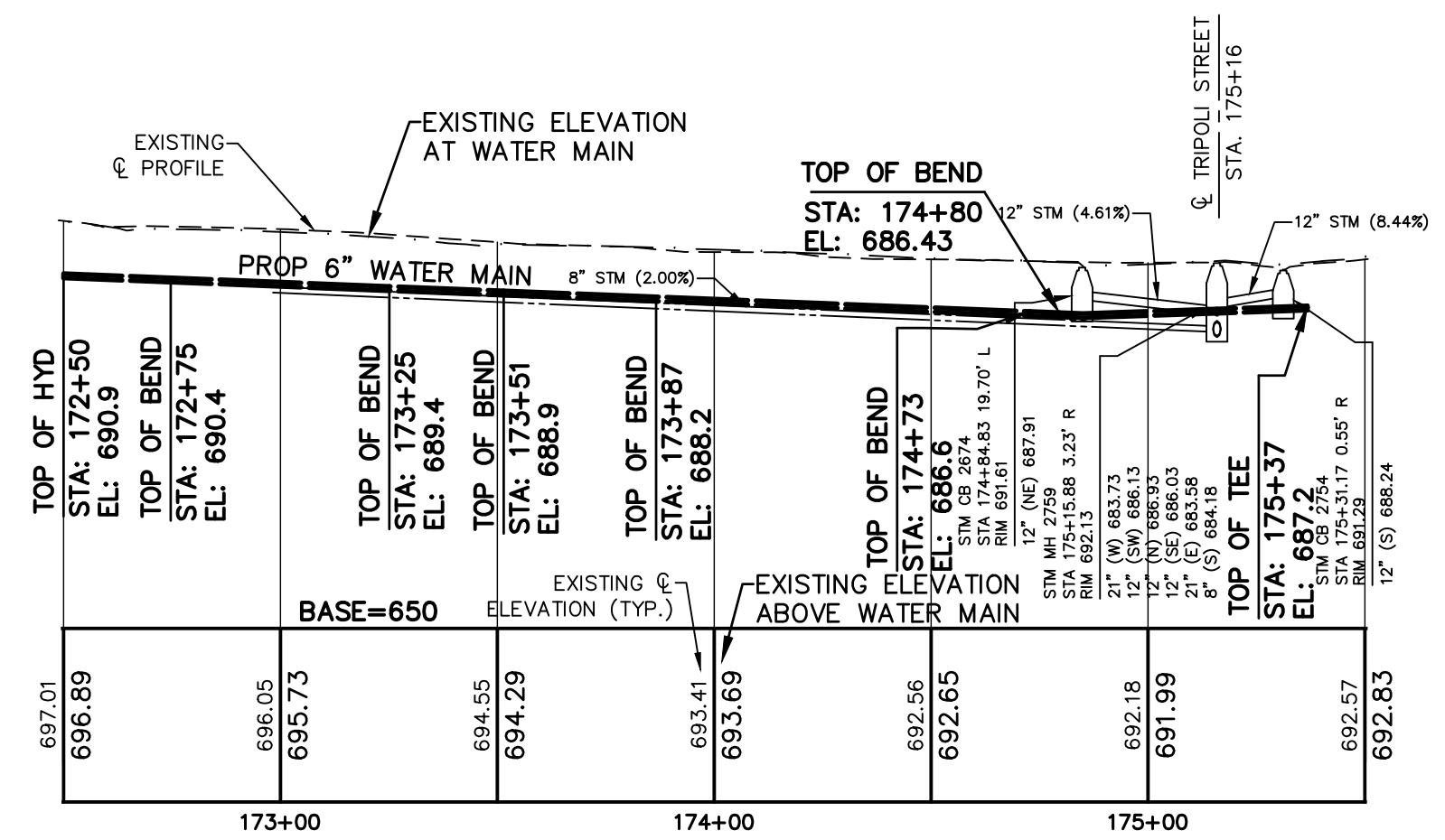
SURVEYED & DESIGNED BY:
Prein & Newhof
 Engineers • Surveyors • Environmental • Laboratory

City of Grand Rapids
 Public Services
 Engineering Department
WATER MAIN
 IN
TRIPOLI STREET
 FROM TUSCANY DR.
 TO
 BURGER DR.
 (BURGER-GOODWOOD NEIGHBORHOOD
 WATER MAIN - PHASE 1)

Drawn by JDH GPF No. 5843 Sheet No. 21 of 23
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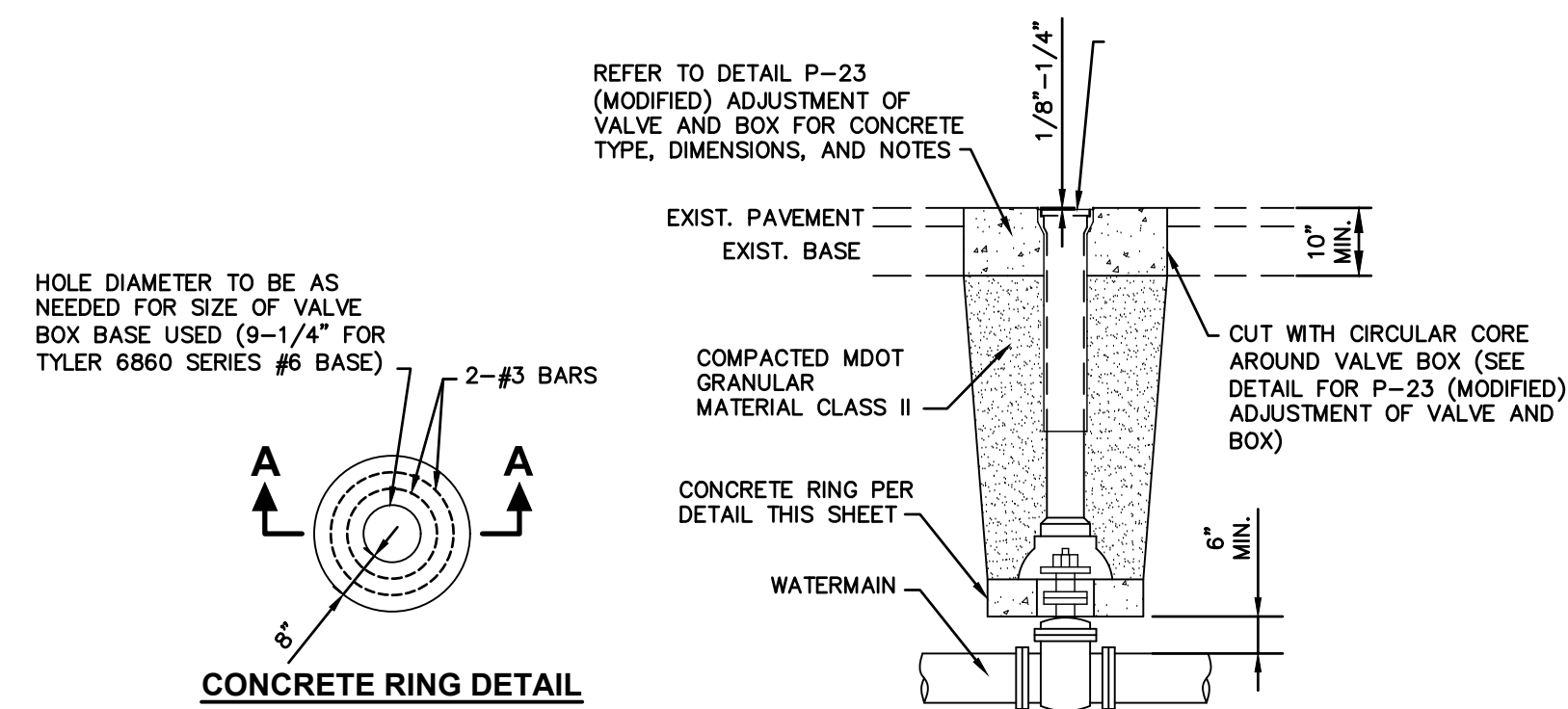
WATER MAIN

SURVEYED & DESIGNED BY:
Prein & Newhof
Engineers • Surveyors • Environmental • Laboratory

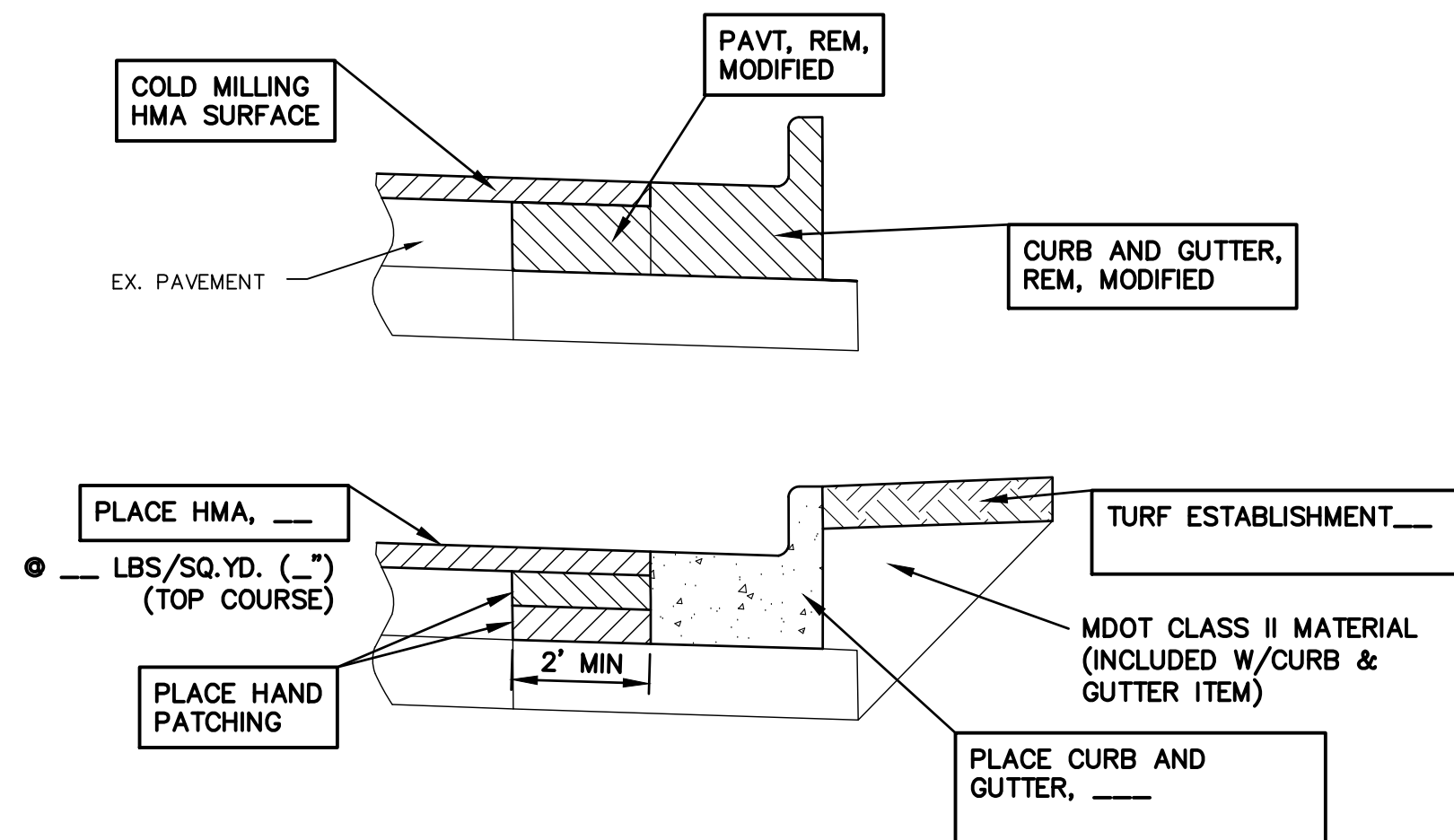
City of Grand Rapids
Public Services
Engineering Department

WATER MAIN IN TRIPOLI COURT FROM SOUTH END TO TRIPOLI ST. (BURGER-GOODWOOD NEIGHBORHOOD WATER MAIN - PHASE 1)

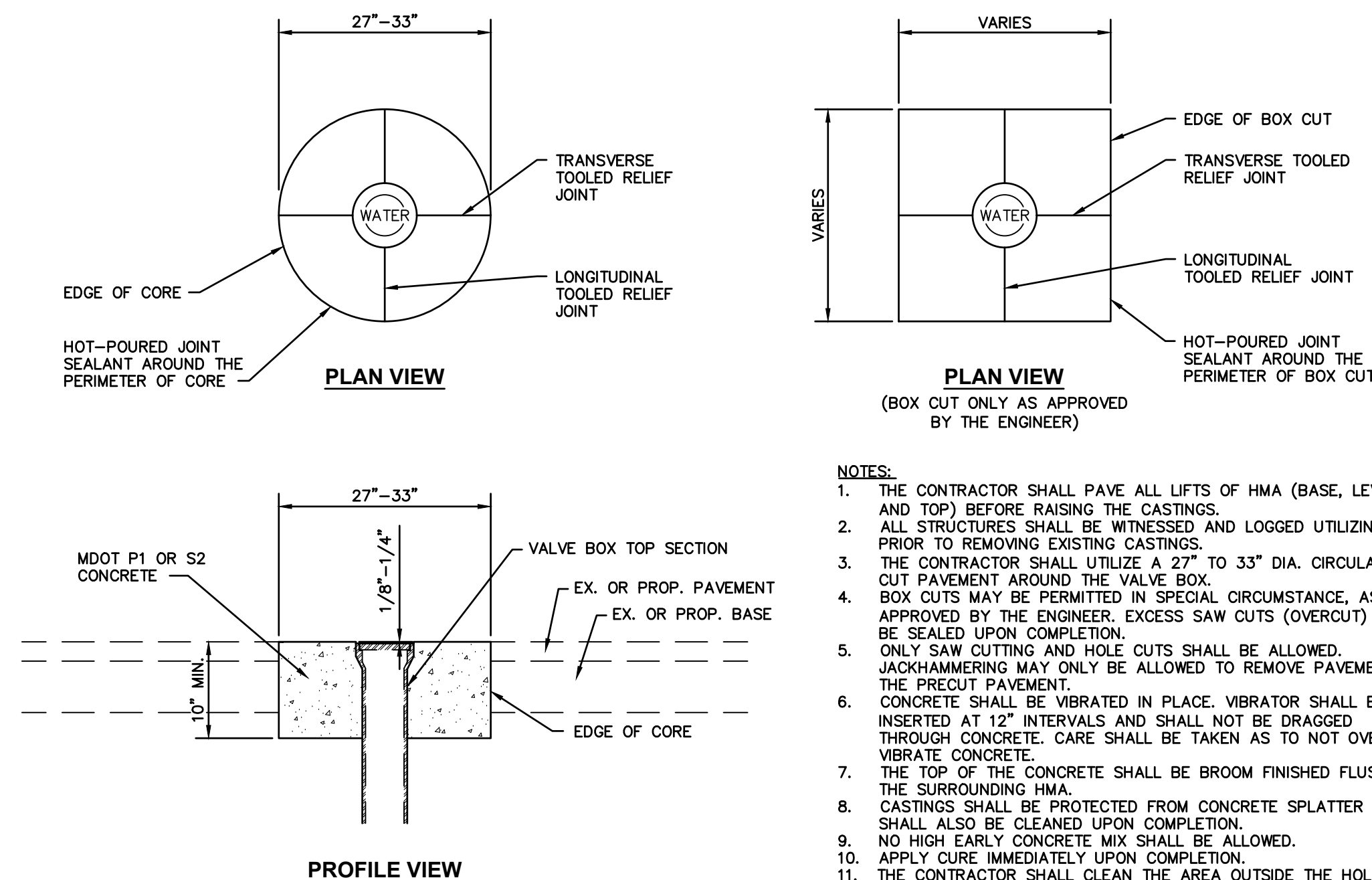
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W-6 VALVE BOX INSTALLATION FOR GATE VALVES
N.T.S.

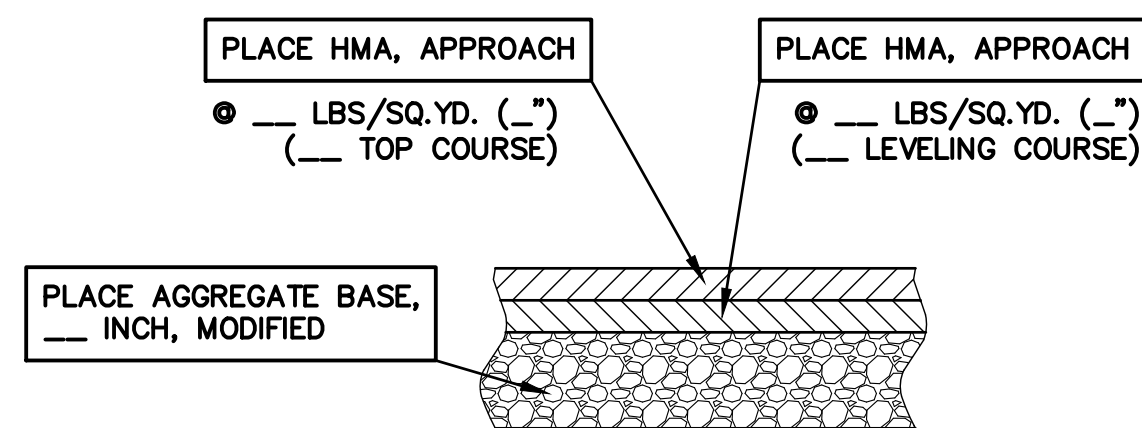


CURB AND GUTTER REPAIR DETAIL
N.T.S.

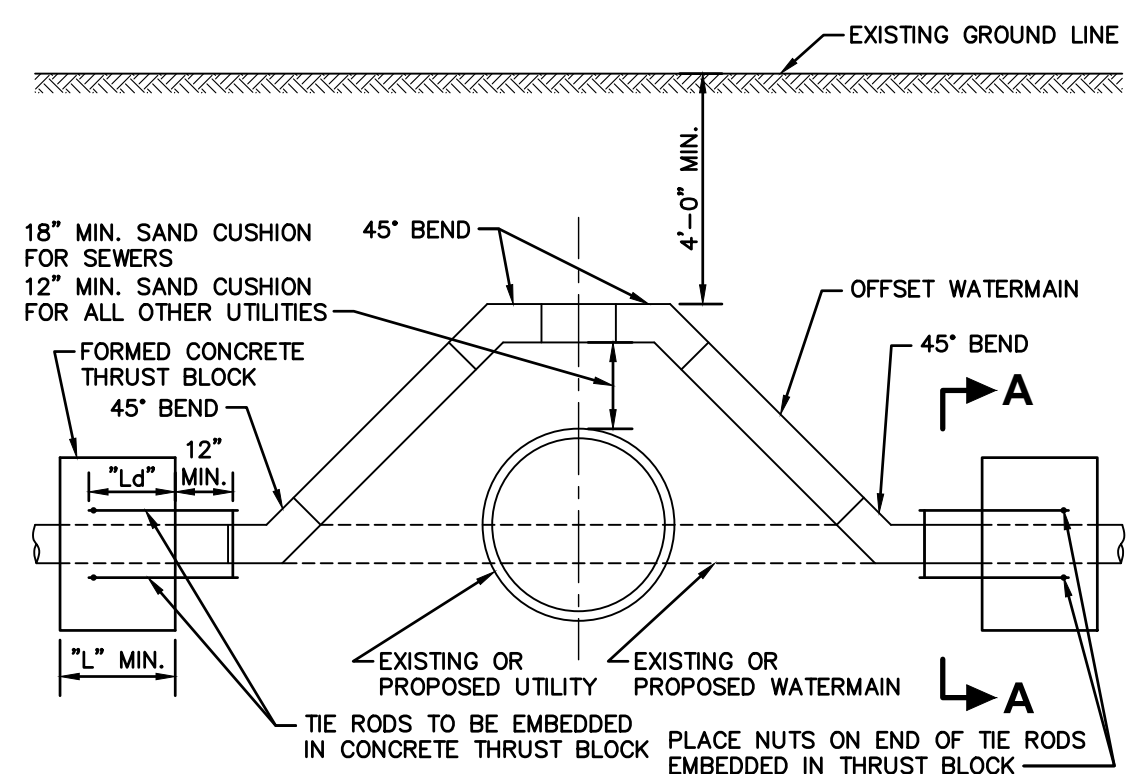


P-23 (MODIFIED) ADJUSTMENT OF VALVE AND BOX
N.T.S.

- NOTES:**
1. THE CONTRACTOR SHALL PAVE ALL LIFTS OF HMA (BASE, LEVELING, AND TOP) BEFORE RAISING THE CASTINGS.
 2. ALL STRUCTURES SHALL BE WITNESSED AND LOGGED UTILIZING GPS PRIOR TO REMOVING EXISTING CASTINGS.
 3. THE CONTRACTOR SHALL UTILIZE A 27" TO 33" DIA. CIRCULAR CORE TO CUT PAVEMENT AROUND THE VALVE BOX.
 4. BOX CUTS MAY BE PERMITTED IN SPECIAL CIRCUMSTANCE, AS APPROVED BY THE ENGINEER. EXCESS SAW CUTS (OVERCUT) SHALL BE SEALED UPON COMPLETION.
 5. ONLY SAW CUTTING AND HOLE CUTS SHALL BE ALLOWED. JACKHAMMERING MAY ONLY BE ALLOWED TO REMOVE PAVEMENT WITHIN THE PRECUT PAVEMENT.
 6. CONCRETE SHALL BE VIBRATED IN PLACE. VIBRATOR SHALL BE INSERTED AT 12" INTERVALS AND SHALL NOT BE DRAGGED THROUGH CONCRETE. CARE SHALL BE TAKEN AS TO NOT OVER VIBRATE CONCRETE.
 7. THE TOP OF THE CONCRETE SHALL BE BROOM FINISHED FLUSH WITH THE SURROUNDING HMA.
 8. CASTINGS SHALL BE PROTECTED FROM CONCRETE SPLATTER AND SHALL ALSO BE CLEANED UPON COMPLETION.
 9. NO HIGH EARLY CONCRETE MIX SHALL BE ALLOWED.
 10. APPLY CURE IMMEDIATELY UPON COMPLETION.
 11. THE CONTRACTOR SHALL CLEAN THE AREA OUTSIDE THE HOLE CUT TO ELIMINATE CONCRETE SPLATTER ON THE PAVEMENT.
 12. THE CONTRACTOR SHALL PROTECT THE CONCRETE AROUND THE CASTING FROM TRAFFIC AND EQUIPMENT FOR A MINIMUM OF 72 HOURS.
 13. THE CONTRACTOR SHALL PLACE EPOXY AROUND THE PERIMETER OF CORE/BOX CUT IN ACCORDANCE WITH SECTION 914 OF THE 2012 MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION.



HMA APPROACH DETAIL
N.T.S.



- NOTE A:**
WHEN THE MINIMUM CLEARANCE AND COVER CANNOT BE OBTAINED, THE WATERMAIN IS TO BE RELOCATED UNDER THE UTILITY.
- NOTE B:**
ON EXISTING WATERMAIN, THE 45° BEND SHALL BE RESTRAINED AS SHOWN IN THIS DETAIL, INCLUDING THRUST BLOCKS AND AS SPECIFIED IN DIVISION 19. ON NEW CONSTRUCTION, THRUST BLOCKS WILL NOT BE USED AND THE WATERMAIN SHALL BE RESTRAINED AS SPECIFIED IN DIVISION 19.
- NOTE C:**
IF TIE RODS ARE USED FOR JOINT RESTRAINT, SEE TABLE IN DIVISION 19 FOR NUMBER OF TIE RODS REQUIRED PER JOINT. ALSO, SEE TIE ROD DETAIL ON STANDARD DETAIL W-15.

W-10 WATER MAIN OFF-SET
N.T.S.

**TABLE IV
PIPE RESTRAINT LENGTH REQUIRED, FEET**

PIPE DIAMETER	TEES, 90° BENDS	45° BENDS	22½° BENDS	11¼° BENDS	DEAD ENDS	REDUCERS (ONE SIZE)	**
4"	19	8	4	2	21		
6"	27	12	6	3	30	14	63
8"	35	15	7	4	38	15	55
12"	51	21	10	5	55	27	120
16"	65	27	13	7	70	28	110
20"	79	33	16	8	86	28	104
24"	93	39	19	10	101	40	99

** IF STRAIGHT RUN OF PIPE ON SMALL SIDE OF REDUCER EXCEEDS THIS VALUE, THEN NO RESTRAINED JOINTS ARE NECESSARY.
FOR MORE INFORMATION ABOUT WATER MAIN RESTRAINT SEE THE CITY OF GRAND RAPIDS STANDARD CONSTRUCTION SPECIFICATIONS 2021 EDITION, SECTION 4.3 WATER MAINS.

MISCELLANEOUS DETAILS

SURVEYED & DESIGNED BY:
Prein & Newhof
Engineers • Surveyors • Environmental • Laboratory

City of Grand Rapids
Public Services
Engineering Department

**WATER MAIN
IN
BURGER DRIVE
TANGLEWOOD DRIVE
TRICKLEWOOD DRIVE
TRICKLEWOOD COURT
BROOKHILLS COURT
TUSCANY DRIVE
CIMARRON DRIVE
TRIPOLI STREET
TRIPOLI COURT
(CASCADE WATER MAIN EXPANSION)
WATER MAIN - PHASE 1)**

DRAFT
12/2021

REVISIONS

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Drawn by JDH GPF No. 5843 Sheet No. 23
Check: Field KEK
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Safe Water for Cascade PFAS Information

Acronyms Commonly Used

AFFF: Aqueous Film Forming Foam, used in airport fire fighting and training, contains PFAS
C2R2 Grant: Consolidation and Contamination Risk Reduction Grant
EGLE: Michigan Department of Environment, Great Lakes & Energy
GFIA: Gerald R. Ford International Airport
KCHD: Kent County Health Department
MCL: Maximum Contaminant Level
MDHHS: Michigan Department of Health & Human Services
MPART: Michigan PFAS Action Response Team
NSF: National Science Foundation, many filters are NSF certified to remove PFAS
PFAS: Per- and polyfluoroalkyl chemical substances when mentioned as a group
PFOA: Perfluorooctanoic acid, also known as C8, used to make Teflon made by DuPont
PFOS: Perfluorooctane sulfonate, key ingredient in Scotchgard made by 3M
RO: Reverse osmosis, a type of water filter

State of Michigan PFAS MCLs

Specific PFAS	Drinking Water MCL Parts per Trillion (ppt)
PFNA	6 ppt
PFOA	8 ppt
PFHxA	400,000 ppt
PFOS	16 ppt
PFHxS	51 ppt
PFBS	420 ppt
HFPO-DA	370 ppt

**Safe Water for Cascade
Questions from Neighbors**
When viewing online, please use "ctrl f" to search the document.

Well Questions

Q: Where can I learn more about our well contamination area?

A: Please go to MPART's [website](#). Click on "Investigations" then "PFAS Sites and Areas of Interest." The list is alphabetical. Go to "Cascade Township Residential Wells Area of Interest" on page one and "Gerald R. Ford International Airport" on page two to learn more for each area.

Q: What happens if my well fails right now?

A: This would be on a case-by-case basis between you, the KCHD, and EGLE. From prior experience from neighbors who went through this recently, it's not an easy nor inexpensive process. We can put you in touch with neighbors who have experience with this.

Q: Can I keep my well for irrigation?

A: Wells will be abandoned once the homes are connected to city water.

Q: We connected to city water when the main came in years ago and we were able to keep our well for irrigation at that time. Will we have to abandon our irrigation well?

No answer yet.

Q: Why do we have to abandon our wells?

A: From Aaron Assmann, Environmental Quality Analyst, Remediation and Redevelopment Division, Grand Rapids District Office, EGLE:

A reason for abandonments would be to limit further spread of PFAS contamination. Drinking water wells can act as a conduit of contamination both from the ground to the surface and potentially from the surface into the ground. You may find the following PFAS FAQ webpage to be an interesting read:

<https://www.michigan.gov/pfasresponse/0,9038,7-365-86704---,00.html>

Filters and Testing

Q: If we are not part of Phase 1 but have traces of PFAS, will there be funding to cover RO systems while we wait for city water?

A: All neighbors who have a detection were offered Aquasana point-of-use filters from the Kent County Health Department. RO systems were not being offered to those with a detection under the MCLs. Whole house filters were offered to the 40 homes above an MCL.

Q: If we already purchased RO systems, will reimbursement be available?

A: Because we were offered Aquasana filters from the KCHD, it's highly unlikely that

there would be any RO provided nor reimbursed. Whole house filters were offered to the 40 homes above an MCL.

Q: For those neighbors who have yet to receive an Aquasana filter from the KCHD, how can they reach someone who can help them get one? Several neighbors are having difficulty with this.

A: Drew Salisbury is the contact at KCHD for the point of use filtration system. His cell phone number is 616-490-6467. From Sara Simmonds (KCHD) 4/19/2021: I am very sorry to hear that you have not been contacted. We have a large order in for replacement and new filters. We were made aware there are supply chain issues delaying them but they are coming. We will distribute them out to you as soon as possible.

Q: Will the KCHD pay for replacement filter cartridges for the Aquasana filters that were given out to neighbors?

A: From Ben Swayze, Cascade Township Manager: I will ask KCHD to address this. From Sara Simmonds (KCHD) 4/19/2021: We have a large order in for replacement and new filters. We were made aware there are supply chain issues delaying them but they are coming. We will distribute them out to you as soon as possible.

Q: We're one of the red homes. We had a company install a filter system but we don't know how much it's filtering. Can you direct us to where we can get the inside water tested for PFOS? (assuming that we would have to pay for it and that the new water lines will take a few years to happen.)

A: [Trident Environmental](#) is one of a few companies that will test for PFAS and have been used by neighbors. You may order online and they will send you the sampling kit. There are instructions for you to draw your own sample and then send it back. The standard 14 compound panel kit is \$250, the premium 26 compound panel kit is \$300. They do offer a 10% off coupon code. Unfortunately, the only way to know that your filter is working is to do a PFAS test after your well water runs through your filtration. There are [other companies](#) as well that do PFAS testing.

Q: Should I keep my under sink filter, RO or whole house filter once we connect to city water?

A: No answer yet.

Funding of the Project

Q: What happens if Cascade Township is not awarded the \$5M C2R2 grant for city water?

A: The full \$5M grant was awarded in May of 2021. Additional funding will need to be secured. Our project was ranked third out of the 21 that were [awarded](#). (Ben) The Township is committed to seeing the extension of water throughout the neighborhood. If the grant is not awarded the Township will continue to explore all available funding sources.

Q: Regarding the C2R2 grant, would we have to apply individually or is it a whole community

application?

A: The City of Grand Rapids and Cascade Township worked together on behalf of the neighbors to submit the grant to the State of Michigan in January of 2021. Neighbors did not have to submit anything individually. The \$5M grant was awarded in May of 2021.

Q: What other funding is being sought?

A: There is pressure upon GFIA to do the right thing and contribute financially to our city water project.

City Water Planning

Q: Can the engineering be authorized and accelerated ahead of the grant application approval? The project timeline in the packet follows a typical design, bid construction cycle, and does not appear to convey the sense of urgency we would expect in abating the contaminated wells located in Phase 1.

A: (Ben) In the coming month the Township Staff and Board will be looking into the possibility of authorizing pre-engineering for this project.

Q: It was noted that under financial considerations full funding for Phase 1 would need to be identified before commencement of the project. The Phase 1 estimate includes \$779,350 in contingency with a total estimate less contingency of \$5,270,325. With an estimate that close to the grant award is the intent to continue with engineering and bidding prior to the identification of additional contingent funds?

A: (Ben) Yes, if the Township is awarded the full grant the project would start (...or continue if engineering has already started) while the remaining funding is identified.

Q: How is the Cascade Township board involved with the city water decision making?

A: No answer yet.

City Water Connection

Q: If city water is brought in and we hook up, should there be concern about replacement of other items that may still contain trace amounts of PFAS, such as water heaters? Over time, water heaters collect sediments, and you have to flush them out. Does PFAS etc. linger in the same way?

A: (Ben) I will ask EGLE and/or the MDHHS to address this.

Q: Once city water is installed can neighbors **continue** to keep using river water for irrigation?

A: No answer yet.

Q: Once city water is installed can neighbors **begin** to use river water for irrigation?

A: No answer yet.

Q: I live in the area for "Future Water Main" when will that happen?

A: (Ben) Currently unknown, but the project would be a priority for the Township.

Q: How long will the process take to put in the water mains?

A: The work must be completed within 3 years from the grant award. The grant is only for Phase 1. The connection work should begin in the early Spring of 2022 and finish early winter of 2022. Some mapping work is already being done by the project manager, Prein & Newhof (October of 2021.)

(Ben) Phase 1 is likely a 12 month project from design through completion.

Q: Do we have to hook up when the water main comes through?

A: Most likely yes.

Q: My house is on the border of Phase 1 and my results have a detection, can I connect?

A: (Ben) The City would consider these requests on a case-by-case basis.

Q: We don't appear to be part of Phase 1 but have been instructed to not drink or use our water. We are wondering if we hook up to city water now if we will be reimbursed later. I know it says those who do RO will not be but we want to know specifically about city water.

A: All homes who have city water available to them via the existing water main will be hooked up during Phase 1 of the project. If your home is on the water main, it will be connected at no cost to you.

Q: Our home is just outside the Phase 1 project border. Our well was tested and found to not be contaminated. However, wells on both sides of us and directly across the street have tested positive. I have a couple of questions:

- 1.) What happens if our well becomes contaminated during the construction project when the soil is significantly disturbed by excavation? What is our recourse and who is responsible for correcting the problem? It's possible that we would need to have a new well drilled which may not even correct the problem!
- 2.) Why was the west border of Phase 1 established where it's shown on the documents? If the water line was extended less than 250 yds to Brookpoint, a minimum of 6 more contaminated wells could be taken care of. There seems to be no apparent reason for stopping where it does.

A: No answer yet.

Q: We are on Burger/Tripoli and are in the Phase 1 area but our well tested ok (most of our neighbors tested positive). Would we be connected during phase 1 even though we tested ok?

A: Yes, all homes in Phase 1 will have access to city water as part of the project. Underground water can move and the contamination can spread to wells that previously tested non detect.

Q: My home has a water-based geothermal system for heating and cooling. We rely on our well water for this system. It will be very expensive to use city water. It will also be very expensive to

change our HVAC over to a standard forced air system. May I keep well water for our home?

A: No answer yet.

Q: We have a pool and we know that using city water rather than well water to fill it every summer will be expensive. It will be an expense that we are not used to. Are there other options for filling our pool?

A: Please contact the Cascade Township Fire Department. There is a fee for tapping into a nearby fire hydrant to fill your pool but can only be done if the hydrant is located on the same side of the street as your house. (This information needs to be verified.)

Q: There is already a water main on my street, when will I be hooked up?

A: Homes located on the existing water main will be connected as part of Phase 1, which will begin in April of 2022. The existing water main enters the neighborhood at Ridgemont, turns right at Woodbrook, turns left and travels down Burger to Goodwood, turns right onto Goodwood then stops at the end of the newer Pulte homes on Maplecrest. Some cul-de-sacs along the route have a water main. Please see the Project Map at the end of this document.

Q: My water tested negative for PFAS and I'm filtering our drinking water, why do I need to connect?

A: Underground plumes of contaminated water can move. It is a best practice to protect the whole neighborhood by connecting everyone to city water.

Q: Will the streets be torn up?

A: Typically the water main will be placed under the north and west sides of the streets, under the public utility right-of-way that runs in the front yards. Intersections will be affected as well. The water main will be placed 5 feet under the surface.

Q: Will any of my appliances be affected by the change from well water to city water? Do I need to replace any of them?

A: No answer yet.

Q: Should I continue to use our water softener after city water is installed?

A: No answer yet.

City Water Source, Testing, and Cost to Neighbors

Q: Will the only cost to neighbors be the future city water bill?

A: Yes, the future water bill will be the only cost to residents. It is billed quarterly. There will be no charge to neighbors other than that.

(Ben) This is how the grant request for Phase 1 was structured. It included funds for connections to the houses, and abandonment of current wells.

Q: What would I expect to pay per month for city water? How often does the bill come?

A: Looking at a Cascade Township resident's quarterly water bill from a home on Lime Hollow in Cascade Springs, the family of two parents and two adult children averaged about \$51 per month for city water. That equals \$153 per quarter or \$612 per year. That includes underground sprinkling for the front and back yards during the summer months. The home is on a septic system so there were no sewer fees on the water bill.

Q: Is the City of Grand Rapids water tested for PFAS? Where does it come from? What is the pressure like?

A: Yes, the water is tested for PFOS, PFOA, and a number of other chemicals in the PFAS family. Please read the [2020 City of Grand Rapids Water Quality Report](#). The water pressure is just fine, according to current city water customers in the neighborhood. In fact, homes may have to be fitted with a pressure reducing valve.

Q: Why does it seem that the Cascade and Ada water bills are higher than those who live in the City of Grand Rapids?

A: Cascade Township is about the furthest east from the Lake Michigan water source. That contributes to the higher cost.

Q: Can city water still be used during a power outage?

A: Yes, that is a great advantage of having city water.

Other Utilities

Q: Fire water is typically installed with domestic water. Although not part of the grant application will fire water also be installed? If so, how will this be funded and is their engineering in the estimate for this?

A: (Ben) Yes, hydrants are an essential part of the system and would be included. Funding for this part of the project would come from a separate source.

Q: Will sewers be brought in as well?

A: No, there are no plans for a sewer system in our area as part of the \$5 million EGLE grant for the city water project.

Q: What is the possibility that we can utilize the fact that the area will have to be all ripped up and get the power lines buried at that time. That will help with power outages and get rid of the power line poles.

A: Buried power lines are not part of this project.

Home and Property Questions

Q: What is the public utility right-of-way?

A: The right-of-way runs along the front lot line of the property. Sometimes along the sides and back as well. Property owners do not own that land, but maintain it. The front yard right-of-way is determined by measuring 33 feet from the center of the street into the

yard. The water main will be buried there.

Q: What is a driveway apron and how will it be affected by the installation of city water? If a new one is installed, what material will it be?

A: The driveway apron is the bottom part of the driveway where it may widen to meet the street. If your apron needs to be replaced, it will be replaced with whatever material it was before. For example, if it was concrete before the water main work, it will be replaced with concrete.

Q: We have a beautiful tree in the right-of-way that we are told will have to be removed for the city water project. Can it be donated somewhere? Can we pay to move it onto our property? Can the water main be routed around it?

A: No answer yet.

Q: Our irrigation system (landscaping, mailbox, etc.) is in the right-of-way. What is going to happen?

A: If these items are affected, every effort will be made to restore them to where they were before the project. This will be handled on a case-by-case basis with each homeowner.

Q: How will my home value be affected?

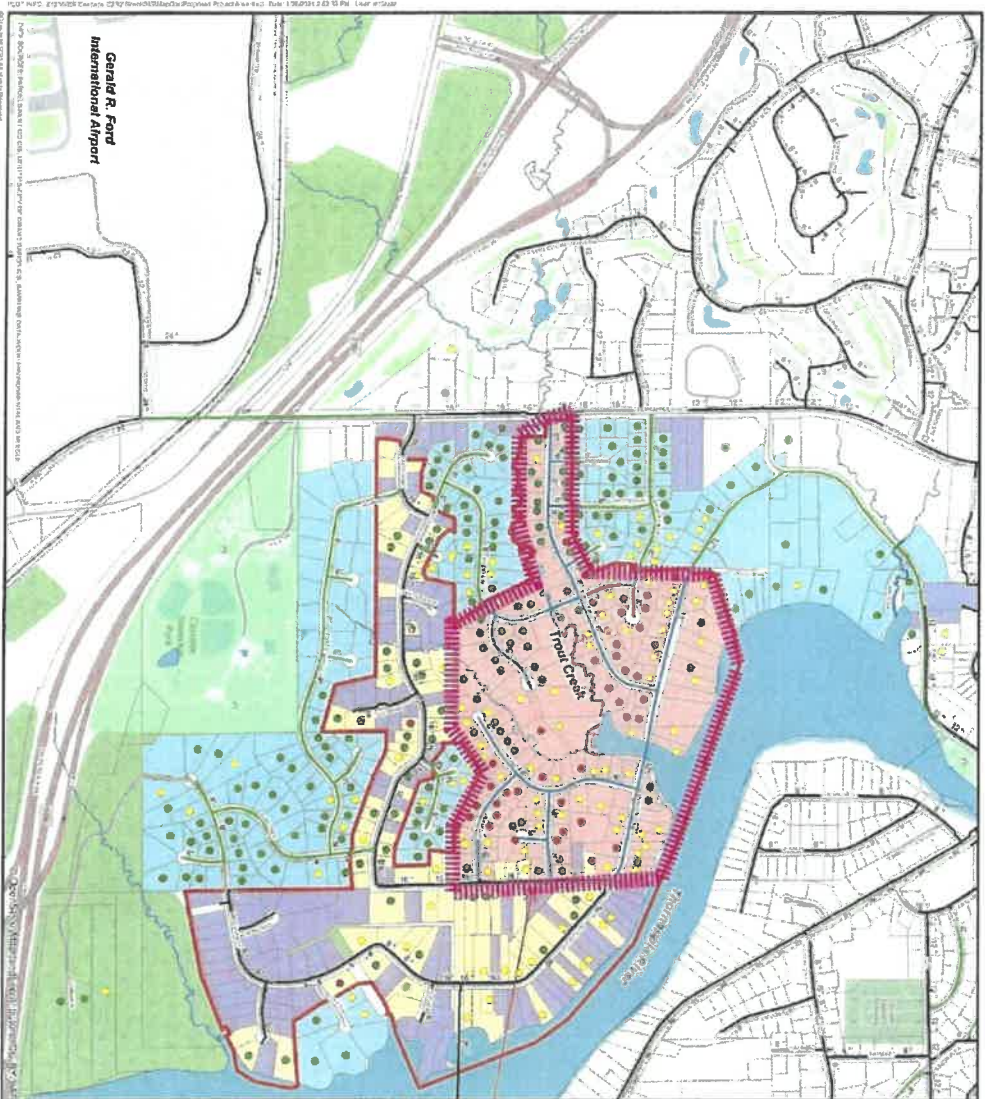
A: There is no way to determine exactly the actual value increase or decrease. Someone in the real estate industry may have better knowledge of this. They may be able to give an estimate. However, after connecting to city water, the homeowners who had a PFAS detection will no longer have to disclose that their well water is contaminated when listing their home. They will no longer have to negotiate mitigation with the buyer or face a sale falling through because of the contamination. Our neighborhood will no longer have the stigma of being contaminated.

Q: Where will the city water enter my home?

A: Typically the water connection will be in the same vicinity as the well, which is usually in the front of the home. However, that may not be the case for every neighbor.

Q: What types of pipes will be used for the city water installation?

A: From Brian Vilmont, Prein & Newhof: For the main lines, we will be using cement lined ductile iron pipe and for the water service lines (from the main to the property line) we will be using copper pipe. This is standard in the entire City of Grand Rapids System. From the property lines to the homes, the homeowners will most likely be working with a list of pre-approved plumbers and will be able to select their material based on what is allowed by plumbing code (copper, pex, high density polyethylene, PVC, etc).



CASCADE CHARTER TOWNSHIP
 @ Cascade Charter Township land contributors,
 CC TRF SA

Project Area - 11,400'
 of WM

Legend

- Standardizing PROPOSALS Plans 1, 2, 3, 4 & 5
- Standardizing PROPOSALS Plans 1, 2, 3, 4 & 5
- Deductible for PROPOSALS, but the knowledge
- Contribution of a TRAF (other than PROPOSALS) Component
- Excesses, PROPOSALS or TRAF
- Proposed Water Main
- Proposed Water Main
- Existing Water Main
- Proposed Project
- Proposed Water Main and Service Connection (188)
- Proposed Service Connection to Existing Water Main (188)
- Future Water Main and Service Connection (217)
- Current City Water Distribution



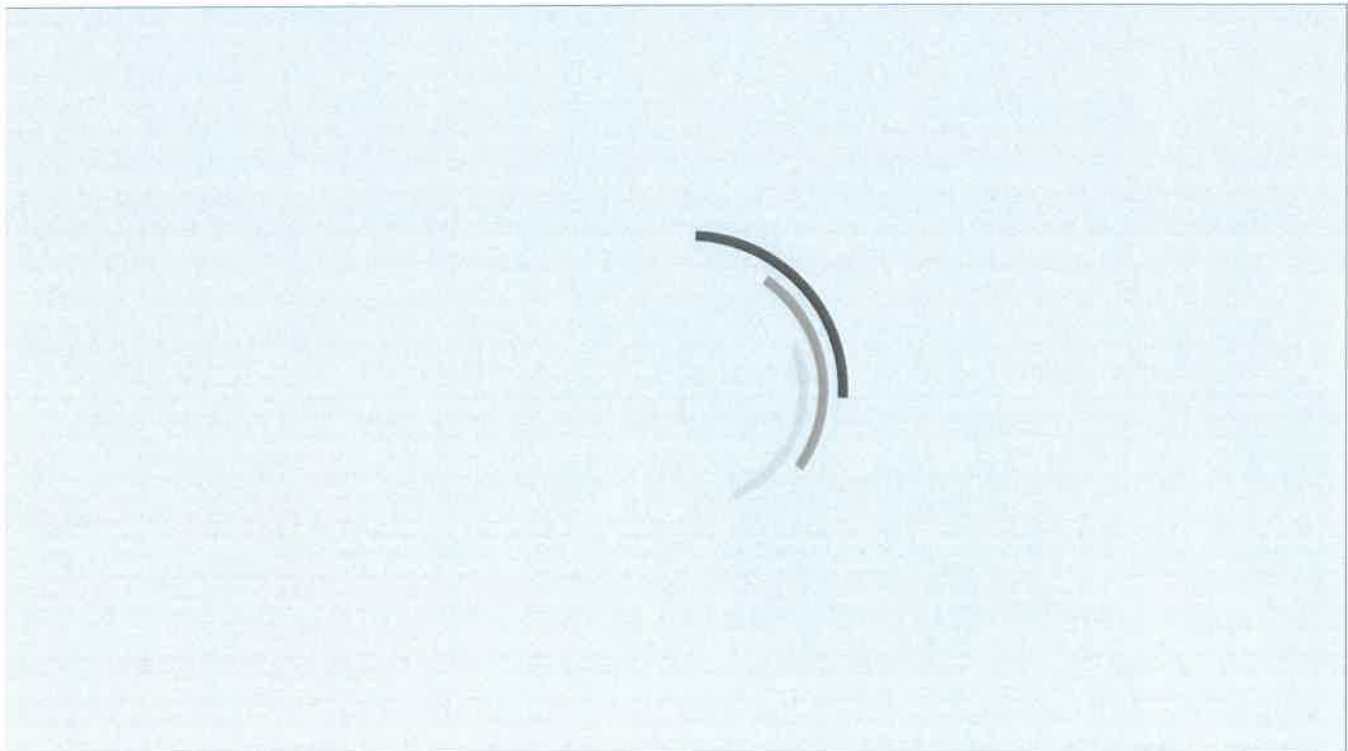
PROPOSED PROJECT AREA

	PROJECT NO. 210059
	PLAT/BOOK NO. 1

Cascade Charter Township & City of Grand Rapids & Gerald R. Ford International Airport
GRFA - Burger Goodwood Neighborhood

Two PFAS-contaminated sites in Kent County could be placed on EPA list of America's most toxic locations

Both sites, owned by Wolverine Worldwide, are being considered for Superfund site status with the EPA



ROCKFORD, Mich. — Two locations in West Michigan, both at the center of local PFAS contamination, are now being considered by the EPA to become Superfund sites.

The old Wolverine Worldwide [tannery site](#) located at 123 North Main Street along the east bank of the Rogue River, and the company's old [dump site](#) at 1855 House Street in Plainfield Township are going through an EPA evaluation to be placed on a list of the country's [most contaminated](#) places.

But the designation would also mean more access to funding and more federal oversight.

“I think of this like broccoli,” said Sandy Wynn-Stelt, co-chair of the Great Lakes PFAS Action Network. “Nobody likes broccoli, there’s no one in the world who wants to eat broccoli, but we know it’s good for you so you kind of have to stomach it. And a superfund site is the same thing. Nobody wants a superfund site, but I think what it does is it opens some additional resources, it opens up some more scrutiny so that we can be sure that this is done correctly.”

Wynn-Stelt also lives across the road from the old Wolverine dump site on House Street and says she’s optimistic about where the investigation into making the location a Superfund site could go.

Per- and polyfluoroalkyl substances ([PFAS](#)) also known as ‘forever chemicals,’ are widely used long-lasting chemicals that break down very slowly over time. They’re often found in different consumer, commercial and industrial products, including many produced by Wolverine Worldwide.

The investigation, data collection and planning process could take a long time, so it could be years before either site is placed on the Superfund list.



Stelt. “This is truly a very long ultramarathon, not a sprint.”

Wynn-Stelt also noted that work on the sites won’t stop while they’re being investigated. While the federal EPA investigates, state work through EGLE will continue.

“EGLE does have a plan in place with Wolverine to do a cap over the house street dump area and do some cleanup along the tannery site I believe, and put in more wells,” she said. “So there will be some work going on over the next year that’s not related to superfund.”

In response to a request for comment, EGLE told FOX17:

EPA and EGLE have been coordinating our investigation of tannery pollution found in the Rockford and Belmont area during EPA’s time critical removal activities completed in 2018 through 2020 and continue to do so through the superfund site assessment process.

EGLE is currently conducting a site inspection on the tannery site and our crew was out on-site recently collecting samples for that effort. The draft report for this work will likely be sent to EPA later this spring, and after EPA’s review and approval, the final report may be available by this summer. The decision on whether the site will continue toward potential listing onto the Nation Priorities List will be made then. As for the House Street site, we will be beginning the preliminary assessment work soon with a draft report scheduled to be sent to EPA by the end of this winter. Again, after EPA’s review and approval, this report will be made final and the decision regarding whether this site will continue in the process will be made.