



## **ADDENDUM NUMBER 2**

Project Number **89008230**

Project Title **NW 72<sup>nd</sup> Street Improvements**  
**Federal STP-3451(401)**

ISSUE DATE: **12/21/2018**

Bidders are hereby notified that the Bidding and Contract Documents for the above project, for which Bids are to be received on **January 8, 2019**, are amended as follows:

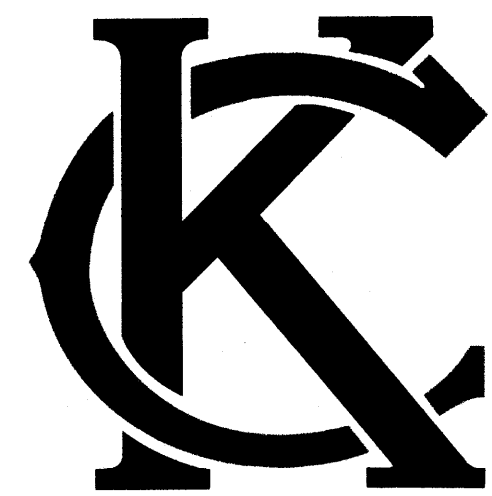
### **Bidding Requirements**

**The attached plan set for the Water Main Replacement along NW 72<sup>nd</sup> Street from I-29 to Overland Drive, Kansas City, Platte County, MO Public Works Project No 89008230 WSD Project No 80002103 are to be added to the plan sheets.**

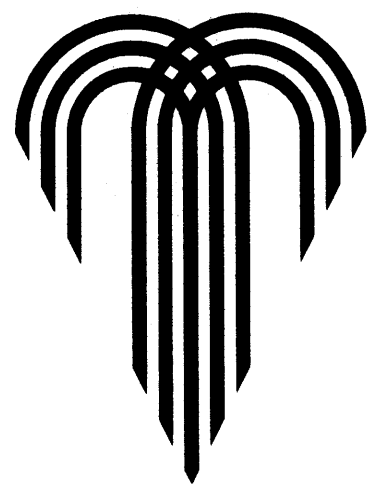
### **Drawings:**

1. Add to the plan set the above titled Water Main Replacement Plans Sheets 1 through 11, electronic files W01-W11 NW 72<sup>nd</sup> Street WMR Plans.pdf.

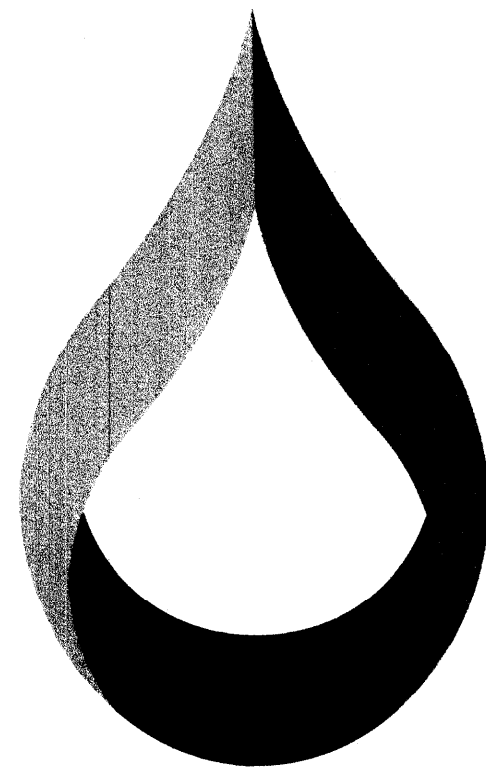
**NOTE: Bidders must acknowledge receipt of this Addendum by listing the number and date, where provided, on the Bid Form - Document 00410.**



WATER MAIN REPLACEMENT  
ALONG NW 72ND STREET  
FROM I-29 TO OVERLAND DRIVE  
KANSAS CITY, PLATTE COUNTY, MO  
PUBLIC WORKS PROJECT NO. 89008230  
WSD PROJECT NO. 80002103

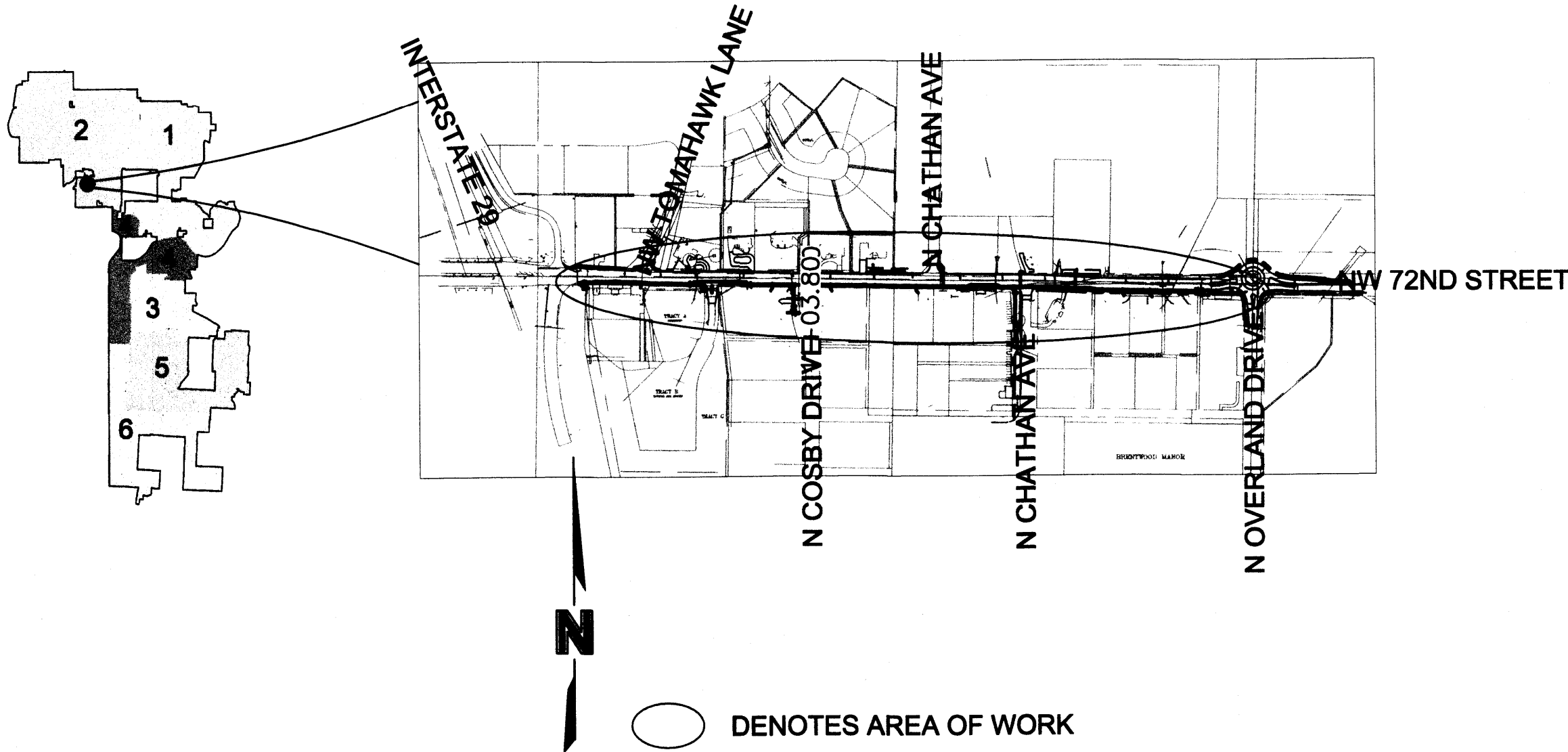


UTILITY CONTACTS	
SPECTRUM (TWC)	877-772-2253
KCP&L	816-471-5275
SPIRE (MGE)	314-342-0500
AT&T	800-286-8313
PUBLIC WORKS DEPARTMENT TRANSPORTATION (AFTER HOURS)	816-513-9300 816-804-8093
UTILITY LOCATION MARKING	800-DIG-RITE
WATER SERVICES DEPARTMENT DISPATCH (AFTER HOURS) FACILITIES ENGINEERING SYSTEMS ENGINEERING	816-513-0209 816-513-8417 816-513-0364 816-513-0291
SPRINT	800-521-0579
SUREWEST/EVEREST	800-368-3341



**KCWATER  
SERVICES**

ENGINEERING  
4800 E. 63RD STREET  
KANSAS CITY, MISSOURI 64130



SHEET LIST	
Sheet Number	Sheet Title
1	COVER SHEET
2	GENERAL STANDARD NOTES
3	GENERAL LAYOUT
4	WATER MAIN PLAN & PROFILE-1
5	WATER MAIN PLAN & PROFILE-2
6	WATER MAIN PLAN & PROFILE-3
7	WATER MAIN PLAN & PROFILE-4
8	WATER MAIN PLAN & PROFILE-5
9	WATER MAIN PLAN & PROFILE-6
10	WATER MAIN PLAN & PROFILE-7
11	WATER MAIN PLAN & PROFILE-8

APPLICANT:  
CITY OF KANSAS CITY, PUBLIC WORKS  
414 E. 12TH STREET, 18TH FLOOR  
KANSAS CITY, MO 64108  
PHONE #: 816.513.2741  
FAX #: 816.513.2760  
CONTACT PERSON: KIMBERLY PEMBERTON

*Ben Heins* 1/26/18  
Date

BENJAMIN W. HEINS  
CIVIL ENGINEER  
MO#2011000894  
1301 BURLINGTON, SUITE 100  
NORTH KANSAS CITY, MO 64116  
PHONE: 816.587.4320  
FAX: 816.587.1393

APPROVED: *D. Matt Bond* 4/9/18  
Date  
D. MATT BOND P.E., CHIEF ENGINEERING OFFICER  
FOR TERRY LEEDS, DIRECTOR, WATER SERVICES DEPARTMENT

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEARS HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) ANY RESPONSIBILITY FOR ALL OTHER PLANS, SPECIFICATIONS, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

PROFESSIONAL ENGINEER SEAL		KANSAS CITY, MISSOURI, WATER SERVICES DEPARTMENT	
		WATER MAIN REPLACEMENT ALONG NW 72ND STREET FROM I-29 TO OVERLAND DRIVE KANSAS CITY, PLATTE COUNTY, MO	
FOR WSD USE:		COVER SHEET	
DRAWN BY T.A.S.	CHECKED BY B.W.H.	MAP NO. P-2908	RANGE 33W 51N 19
CONTRACTOR		DATE COMPLETED	
CONTRACT NO.	CONTRACT DATE	DATE	WORK ORDER NO.
89008230	2017.11.14		D-20475
PROJECT NO.		DRAWING NO.	
89008230 / WSD # 80002103		D-20475	
		1 OF 11	

**OLSSON  
ASSOCIATES**

Olsson Associates - Civil Engineering  
1301 BURLINGTON, SUITE 100  
NORTH KANSAS CITY, MO 64116  
TEL 816.587.4320  
FAX 816.587.1393  
www.olssonassociates.com

NO.	REV.	DATE	DESCRIPTION	BY
1	1	12.05.2017	REVISED PER WSD COMMENTS	BWH
2	2	01.31.2018	REVISED PER WSD COMMENTS	BWH

COVER SHEET  
WATER MAIN REPLACEMENT  
ALONG NW 72ND STREET  
FROM I-29 TO OVERLAND DRIVE  
KANSAS CITY, MO

GENERAL STANDARD NOTES:

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MOST RECENT VERSION OF THE STANDARDS AND SPECIFICATIONS FOR WATER MAIN EXTENSIONS AND RELOCATIONS OF THE KANSAS CITY, MISSOURI WATER SERVICES DEPARTMENT.
2. CONTRACTOR SHALL POTHOLE AND EXPOSE ALL TIE-IN AND CROSSING LOCATIONS. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL FITTINGS REQUIRED TO PROVIDE PROPER HORIZONTAL AND VERTICAL ALIGNMENT FOR NEW WATER MAINS, CONNECTIONS TO EXISTING WATER MAINS AND INSTALLATION OF FIRE HYDRANTS AT THE PROPER LOCATION AND ELEVATION, WHETHER OR NOT THE PROPER FITTINGS, LOCATION OR ELEVATIONS ARE CALLED OUT ON THE DRAWINGS, INCLUDING MODIFICATION OF EXISTING INFRASTRUCTURE REQUIRED TO MAKE ALL OF THE WORK CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS FOR WATER MAIN EXTENSIONS AND RELOCATIONS OF THE KANSAS CITY, MISSOURI WATER SERVICES DEPARTMENT.
3. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL TEMPORARY BLOW-OFF ASSEMBLIES, FITTINGS, THRUST BLOCKING, AND RESTRAINING DEVICES REQUIRED FOR TEMPORARY CONNECTIONS FOR FLUSHING, PRESSURE TESTING, CHLORINATION, AND DE-CHLORINATION OF THE NEW WATER MAINS. PRIOR TO PLACING NEW MAINS IN SERVICE THE CONTRACTOR SHALL REMOVE ANY CORPORATION COCKS USED FOR TESTING OR CHLORINATION AND REPLACE THEM WITH TAPERED BRASS PLUGS.
4. THE CONTRACTOR SHALL INSTALL POLYETHYLENE ENCASEMENT ON ALL WATER MAINS, VALVES, FITTINGS, AND OTHER APPURTENANCES FOR THE FULL LENGTH OF THE PROJECT IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS FOR WATER MAIN EXTENSIONS AND RELOCATIONS OF THE KANSAS CITY, MISSOURI WATER SERVICES DEPARTMENT.
5. SCHEDULING OF WATER MAIN SHUTS AND CONNECTION TO EXISTING MAINS SHALL BE AT THE DISCRETION OF THE WATER SERVICES DEPARTMENT.
6. ALL FIRE HYDRANT BRANCHES SHALL BE RESTRAINED USING APPROVED RESTRAINING DEVICES. HYDRANTS SHALL BE INSTALLED SO THAT THE CENTERLINE OF THE OUTLET NOZZLE IS BETWEEN EIGHTEEN AND TWENTY-ONE INCHES (18" – 21") ABOVE FINISHED GRADE, AND SO THAT THERE IS A MINIMUM CLEAR AREA OF 5' IN EACH DIRECTION TO ALLOW OPERATION OF THE HYDRANT.
7. SECTIONS OF WATER MAIN REQUIRING MULTIPLE BENDS, SUCH AS CUL-DE-SACS, SHALL BE RESTRAINED WITH APPROVED JOINT RESTRAINING DEVICES AND STRADDLE BLOCKS IN LIEU OF BACKING BLOCKS.
8. THE LOCATIONS OF EXISTING UTILITIES, AS SHOWN, ARE APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES. CONTRACTORS SHALL POTHOLE AND EXPOSE ALL UTILITIES (INDICATED ON THE DRAWINGS, LOCATED AT GRADE BY A UTILITY LOCATING SERVICE, OR EVIDENT FROM UTILITY COMPANY INFORMATION) AT LEAST 500 FEET IN ADVANCE OF WATER MAIN CONSTRUCTION, DETERMINING THE DEPTH, SIZE, AND MATERIAL OF THE UTILITIES IN PROXIMITY TO THE PROPOSED WATER MAIN ALIGNMENT. CONTRACTOR SHALL PROVIDE THIS INFORMATION TO THE ENGINEER & ADVISE OF ANY POTENTIAL CONFLICTS WITH THE PROPOSED PIPELINE ALIGNMENT. DEFLECT PIPE TO MAINTAIN MINIMUM 5 FEET HORIZONTAL AND 18 INCH VERTICAL CLEARANCES BETWEEN PROPOSED WATER MAIN AND ALL EXISTING UTILITIES.
9. THE CONTRACTOR SHALL COMPLY WITH STATE LAW REQUIRING ANY PERSON OR FIRM DOING EXCAVATION ON THE PUBLIC RIGHT-OF-WAY DO SO ONLY AFTER GIVING NOTICE TO AND OBTAINING INFORMATION FROM UTILITY COMPANIES.
10. STREETS AND PARKING AREAS ARE TO BE TO GRADE AND CURBS IN PLACE PRIOR TO CONSTRUCTION OF WATER MAINS. WATER MAINS SHALL BE INSTALLED WITH A MINIMUM GROUND COVER OF 42 INCHES BELOW FINISHED GRADE. SIXTEEN (16)-INCH AND LARGER WATER MAINS SHALL BE INSTALLED WITH A MINIMUM GROUND COVER OF 60 INCHES BELOW FINISHED GRADE.
11. WATER MAINS SHALL BE LAID AT LEAST 10 FEET, HORIZONTALLY FROM ANY SEWER. WHEN LOCAL CONDITIONS PREVENT A HORIZONTAL SEPARATION OF 10 FEET, A WATER MAIN MAY BE LAID CLOSER THAN 10 FEET TO A SEWER, PROVIDED THAT THE WATER MAIN IS LAID IN A SEPARATE TRENCH, OR ON AN UNDISTURBED EARTH SHELF LOCATED ON ONE SIDE OF THE SEWER, AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER. WATER MAINS SHALL BE LAID SUCH THAT THERE IS A MINIMUM OF 18 INCHES CLEARANCE BETWEEN THE PIPE WALL AND THE EXTERIOR OF ANY MANHOLE AND/OR INLET ON THE SEWER LINE.

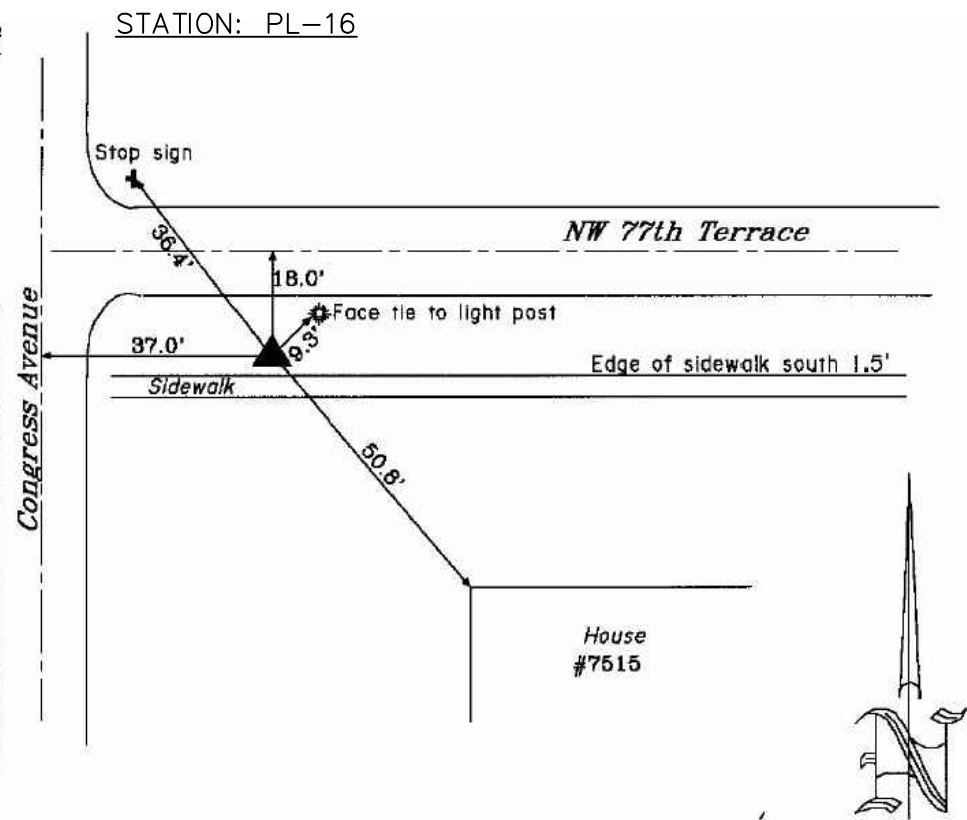
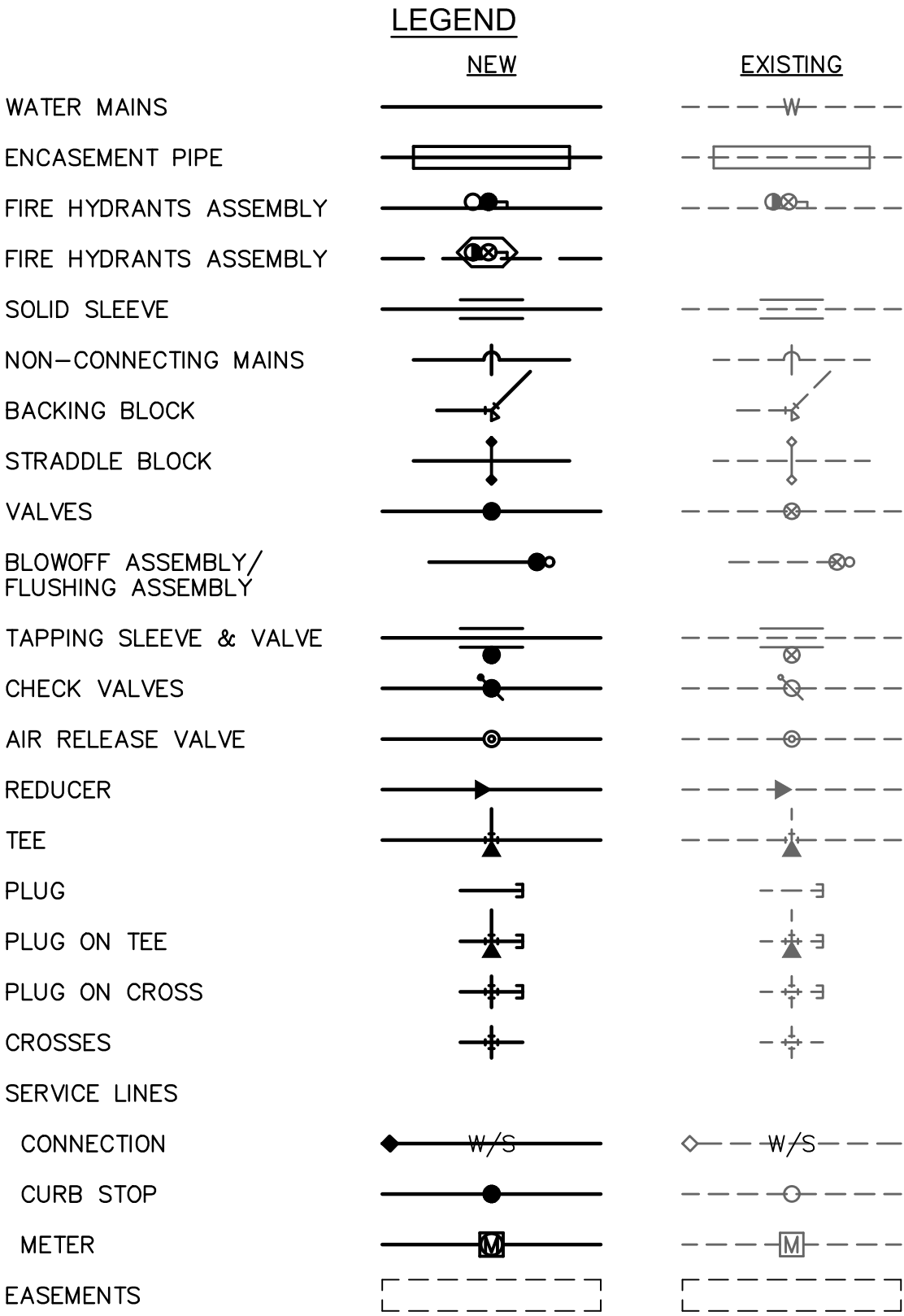
WHENEVER A WATER MAIN MUST CROSS ABOVE A SEWER, A VERTICAL SEPARATION OF 18 INCHES BETWEEN THE BOTTOM OF THE WATER MAIN AND THE TOP OF THE SEWER SHALL BE MAINTAINED. WHENEVER A WATER MAIN MUST CROSS UNDER A SEWER, A VERTICAL SEPARATION OF 18 INCHES BETWEEN THE BOTTOM OF THE SEWER AND THE TOP OF THE WATER MAIN SHALL BE MAINTAINED. A FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ON THE SEWER TO BE CROSSED SO THAT THE JOINTS WILL BE EQUALLY DISTANT FROM THE SEWER AND AS FAR AWAY AS POSSIBLE. THE 18-INCH VERTICAL SEPARATION SHALL BE MAINTAINED FOR THAT PORTION OF THE WATER MAIN LOCATED WITHIN 10 FEET, HORIZONTALLY, OF ANY SEWER IT CROSSES.

WHEN IT IS IMPOSSIBLE TO OBTAIN PROPER HORIZONTAL SEPARATION AS STIPULATED ABOVE, OR WHEN A WATER MAIN MUST CROSS UNDER A SEWER, THE SEWER MUST BE RECONSTRUCTED OF DUCTILE IRON PIPE MEETING THE REQUIREMENTS OF SECTION 02618 OF THE STANDARDS AND SPECIFICATIONS FOR WATER MAIN EXTENSIONS AND RELOCATIONS; PRE-STRESSED CONCRETE CYLINDER PIPE MEETING THE REQUIREMENTS OF SECTION 02619; OR PVC PRESSURE PIPE CONFORMING TO AWWA C-900 OR C-905, AND SHALL BE PRESSURE TESTED TO ASSURE WATER TIGHTNESS BEFORE BACKFILLING. THE REQUIRED LENGTH OF SEWER TO BE REPLACED OR CONSTRUCTED OF PRESSURE PIPE WILL BE THE LENGTH NECESSARY TO ACHIEVE 10 FEET HORIZONTAL SEPARATION.

WHERE THESE CONDITIONS CANNOT BE MET, THE WATER SERVICES DEPARTMENT SHALL BE CONSULTED AS TO THE PRECAUTIONS TO BE TAKEN TO PROTECT THE PUBLIC WATER SUPPLY.

FOR ALL SANITARY AND STORM SEWER CROSSINGS REFER TO STANDARDS AND SPECIFICATIONS FOR WATER MAIN EXTENSIONS AND RELOCATIONS. STANDARD DETAILS #01016-1, #01016-2, #01016-3, #01016-6-4, AND #01016-5 AS REQUIRED.

12. AN EXCAVATION PERMIT MUST BE OBTAINED FROM THE PUBLIC WORKS DEPARTMENT PRIOR TO COMMENCING CONSTRUCTION WITHIN THE PUBLIC RIGHT-OF WAY. SUBMIT APPLICATION TO THE PWD TRAFFIC PERMITS SECTION AT CITY HALL, 5TH FLOOR, AT LEAST 7 DAYS IN ADVANCE.
13. THE CONTRACTOR MUST APPLY FOR A TEMPORARY TRAFFIC CONTROL PERMIT AT LEAST 14 DAYS IN ADVANCE OF THE PROPOSED CLOSURE DATE IN ORDER TO ALLOW SUFFICIENT TIME FOR PROCESSING.
14. ALL WORK SHALL CONFORM TO THE LATEST REVISION OF THE KANSAS CITY, MISSOURI EROSION AND SEDIMENT CONTROL SPECIFICATIONS, WHICH ARE MADE A PART HEREOF BY REFERENCE. EROSION CONTROL PLANS SHALL BE SUBMITTED TO THE CITY ENGINEER, PUBLIC WORKS DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE START OF THIS PROJECT.
15. THE END OF ALL ABANDONED WATER MAINS SHALL BE PLUGGED WITH CONCRETE.
16. COVERS, LIDS, AND STANDPIPES ON ALL ABANDONED VALVES SHALL BE REMOVED TO AT LEAST TWO FEET (2') BELOW GRADE AND THE AREA SHALL BE PROPERLY BACKFILLED. IN PAVED AREAS REMOVAL OF VALVE LID AND FILLING OF VALVE BOX WITH CONCRETE MAY BE ALLOWED AT WATER SERVICES DEPARTMENT DISCRETION.
17. EXISTING FIRE HYDRANTS THAT ARE REMOVED SHALL BE RETURNED TO THE WATER SERVICES DEPARTMENT STORE YARD AT 2409 E. 18TH ST.
18. WATER SERVICE LINES CONNECTED TO MAINS BEING ABANDONED SHALL BE RECONNECTED TO NEW MAINS IN ACCORDANCE WITH THE RULES AND REGULATIONS FOR WATER SERVICES LINES OF THE WATER SERVICES DEPARTMENT, UNLESS SHOWN OTHERWISE. EXISTING WATER SERVICE LINES BEING TRANSFERRED TO NEW MAINS WILL BE UPGRADED TO MEET CURRENT REGULATIONS.
19. THE CONTRACTOR SHALL VERIFY THE OUTSIDE DIAMETER (O.D.) OF THE EXISTING WATER MAIN PRIOR TO SCHEDULING CONNECTION. PROVIDE SOLID SLEEVES AS REQUIRED.
20. CONTRACTORS SHALL PROTECT EXISTING POWER POLES AND LIGHT POLES FROM DAMAGE AND SHALL PROVIDE BRACING, SHORING, OR OTHER WORK NECESSARY FOR SUCH PROTECTION. ANY STRUCTURES REMOVED DURING CONSTRUCTION OPERATIONS SHALL BE REPLACED.
21. ALL EXISTING INTERIOR WATER METERS ON SERVICES CONNECTED TO RELOCATED WATER MAIN SHALL BE REPLACED AND REMOVAL OF INTERIOR METER COORDINATED WITH PROPERTY OWNERS.
22. METER AND CURB STOP RELOCATIONS INCLUDE FURNISHING AND INSTALLING NEW METER PIT, NEW METER YOKE, NEW CURB STOP, NEW CURB BOX, NEW FITTINGS AND ALL NEW APPURTENANCES AS REQUIRED BY THE LATEST RULES AND REGULATIONS FOR WATER SERVICE LINES INCLUDING ANY REQUIRED UPGRADES TO THE EXISTING WATER SERVICE. CONTRACTOR SHALL COORDINATE WITH WATER SERVICE DEPARTMENT FOR REMOVAL AND INSTALLATION OF NEW METER SO AS TO MINIMIZE THE PERIOD WHEN CUSTOMER WILL BE OUT OF SERVICE.



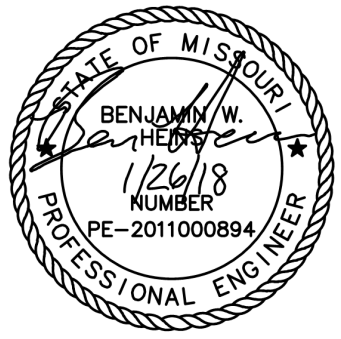
BENCHMARK TABLE			
STATION	GRID NORTHING	GRID EASTING	NAVD 88 ELEVATION
PL-16	1118225.233	2741065.066	1038.71

NOTE: COORDINATES SHOWN ARE BASED ON THE ADJUSTED MISSOURI STATE PLANE GRID SYSTEM, NAD 1983, WEST ZONE, (ADJUSTED IN 2003) USING A COMBINED GRID FACTOR OF 0.9999008. COORDINATES ARE IN FEET.

THE CONVERSION FROM METERS TO U.S. SURVEY FEET IS:  
1 METER = 3.28083333 U.S. SURVEY FEET.

THE CONVERSION FROM KC DATUM TO NAVD 88 DATUM IS:  
NAVD 88 = KCMO +722.57 FEET.

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BENJAMIN W. HEINS CIVIL ENGINEER MO#2011000894		GENERAL STANDARD NOTES			
FOR WSD USE:					
DRAWN BY T.A.S.	CHECKED BY B.W.H.	MAP NO. P-2909	RANGE 33W	TWP 51N	SEC 19
CONTRACTOR			DATE COMPLETED		
CONTRACT NO.	CONTRACT DATE	DATE 2017.11.14	WORK ORDER NO.	DRAWING NO. D-20475	
PROJECT NO. 89008230 / WSD # 80002103			2 OF 11		

**OLSSON**  
ASSOCIATES

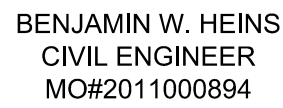
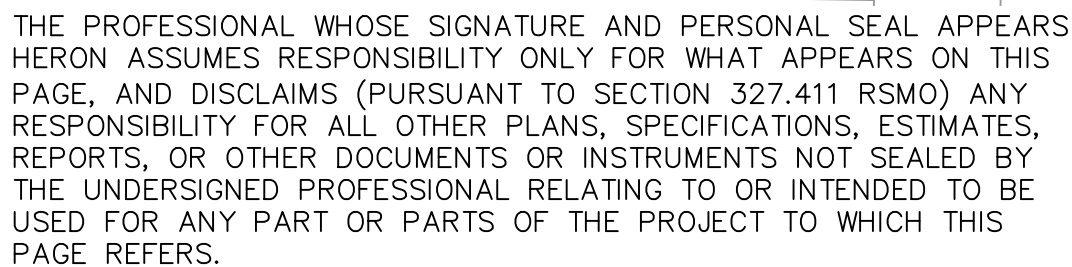
Oleson Associates, Civil Engineering  
MO Certificate of Authority #001592  
1301 BURLINGTON, SUITE 100  
NORTH KANSAS CITY, MO 64116  
TEL 816.587.4320  
FAX 816.587.1393  
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REVISIONS

2017

KANSAS CITY, MO





FOR WSD USE:

KANSAS CITY, MISSOURI, WATER SERVICES DEPARTMENT

WATER MAIN REPLACEMENT  
ALONG NW 72ND STREET  
FROM I-29 TO OVERLAND DRIVE  
KANSAS CITY, PLATTE COUNTY, MO

## GENERAL LAYOUT

DRAWN BY T.A.S.	CHECKED BY B.W.H.	MAP NO. P-2909	RANGE 33W	TWP 51N	SEC 19
CONTRACTOR			DATE COMPLETED		
CONTRACT NO.	CONTRACT DATE	DATE 2017.11.14	WORK ORDER NO.	DRAWING NO. D-20475	
PROJECT NO. 89008230 / WSD # 80002103			3 OF 11		

NO.	REV.	DATE	REVISIONS DESCRIPTION	BY
1		12.05.2017	REVISED PER WSD COMMENTS	BWH
2		01.31.2018	REVISED PER WSD COMMENTS	BWH

REVISIONS

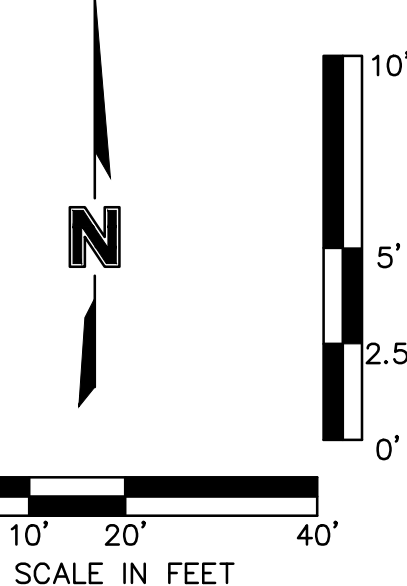
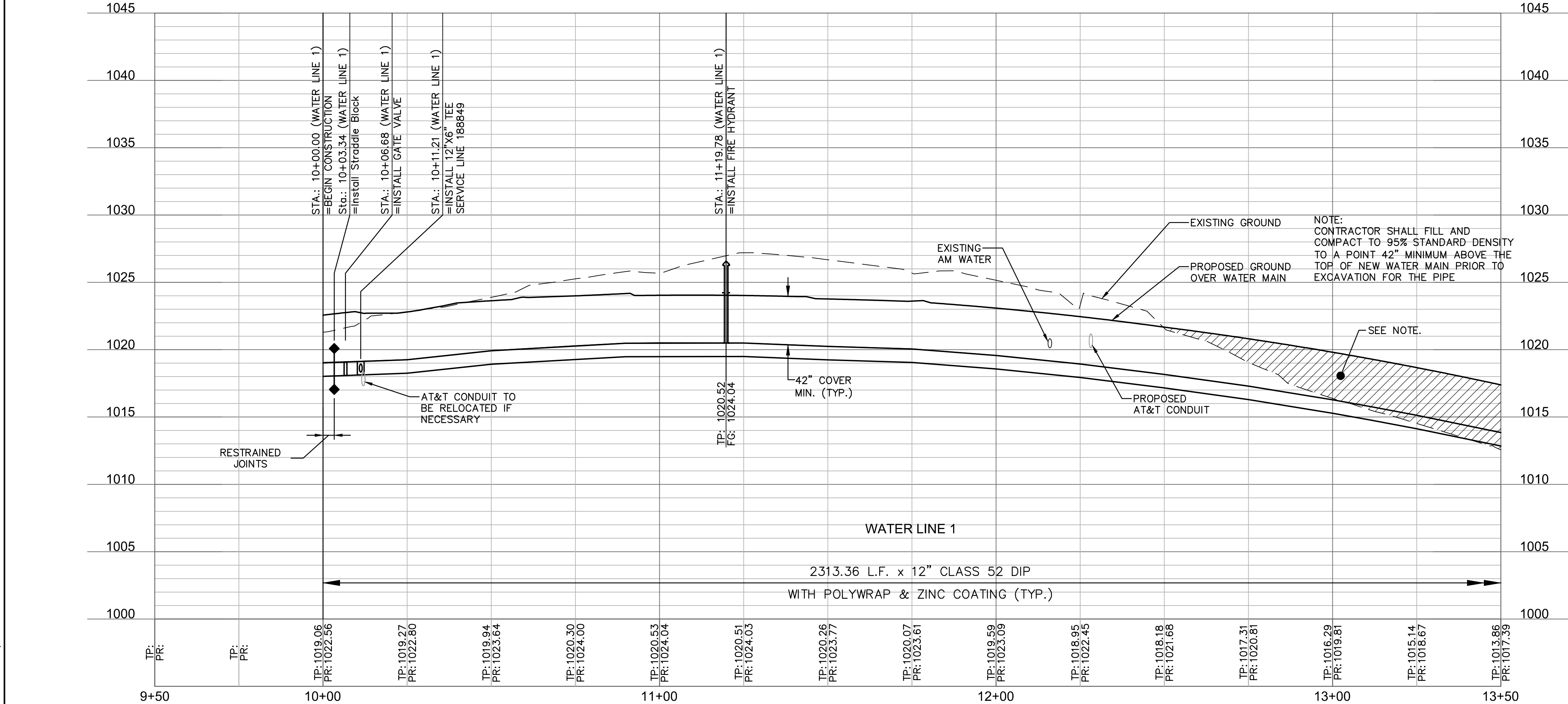
GENERAL LAYOUT

WATER MAIN REPLACEMENT  
ALONG NW 72ND STREET  
FROM I-29 TO OVERLAND DRIVE

KANSAS CITY, MO

## REVISIONS





STATE OF MISSOURI  
BENJAMIN W. BARBER  
1/26/18  
NUMBER  
PE-2011000894  
PROFESSIONAL ENGINEER

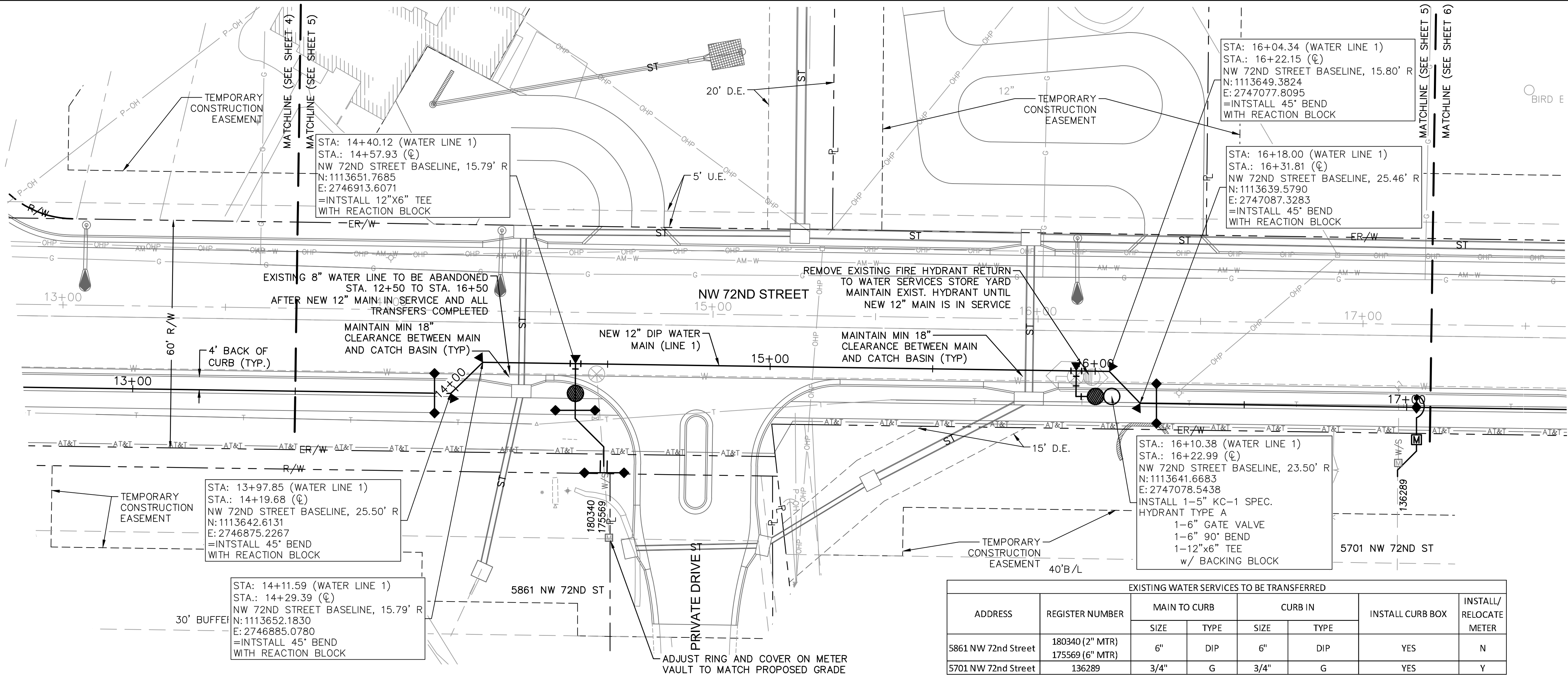
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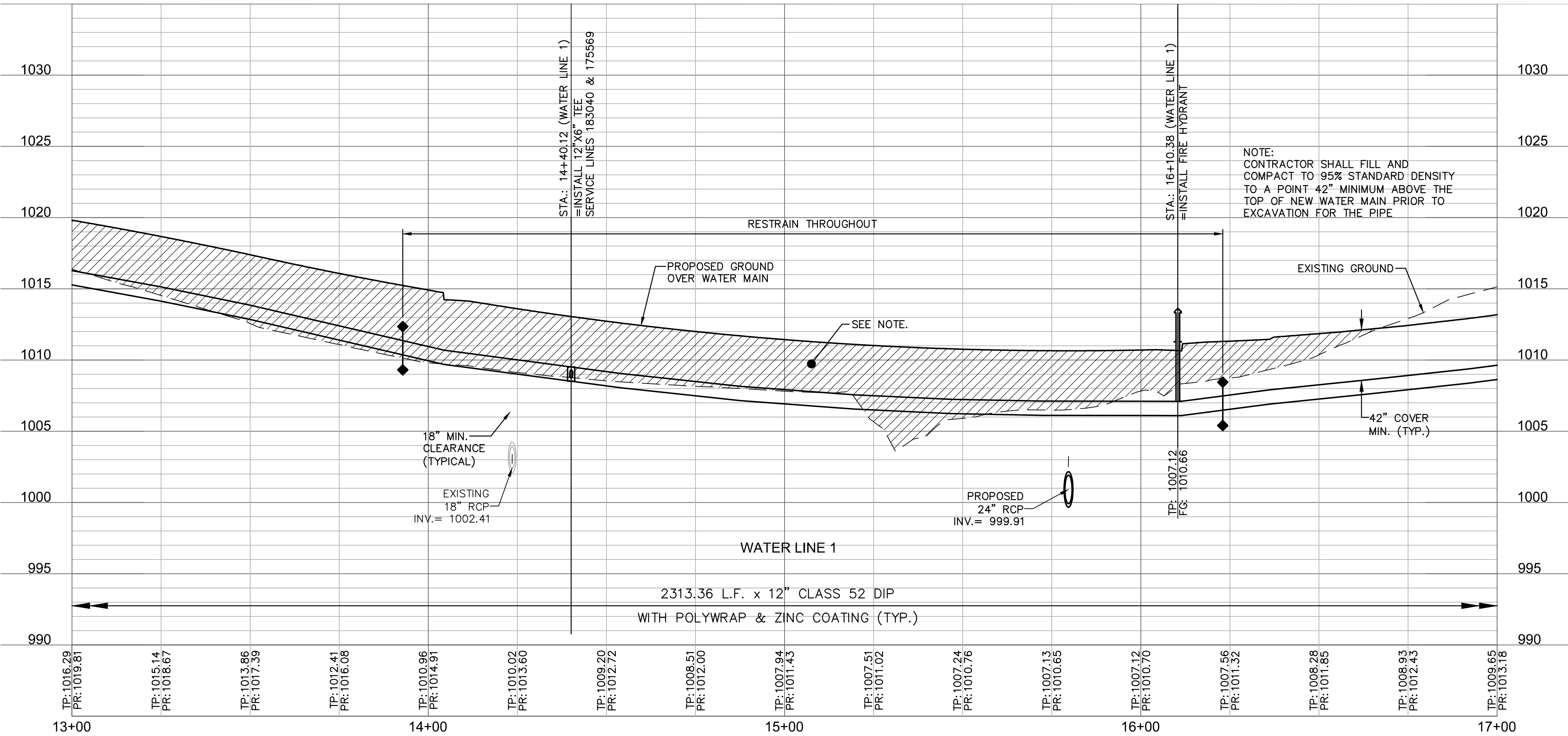
WATER MAIN PLAN &amp; PROFILE-1

DRAWN BY T.A.S.	CHECKED BY B.W.H.	MAP NO. P-2909	RANGE 33W	TWP 51N	SEC 19
CONTRACTOR			DATE COMPLETED		
CONTRACT NO.	CONTRACT DATE	DATE 2017.11.14	WORK ORDER NO.	DRAWING NO. D-20475	
PROJECT NO. 89008230 / WSD # 80002103			4 OF 11		

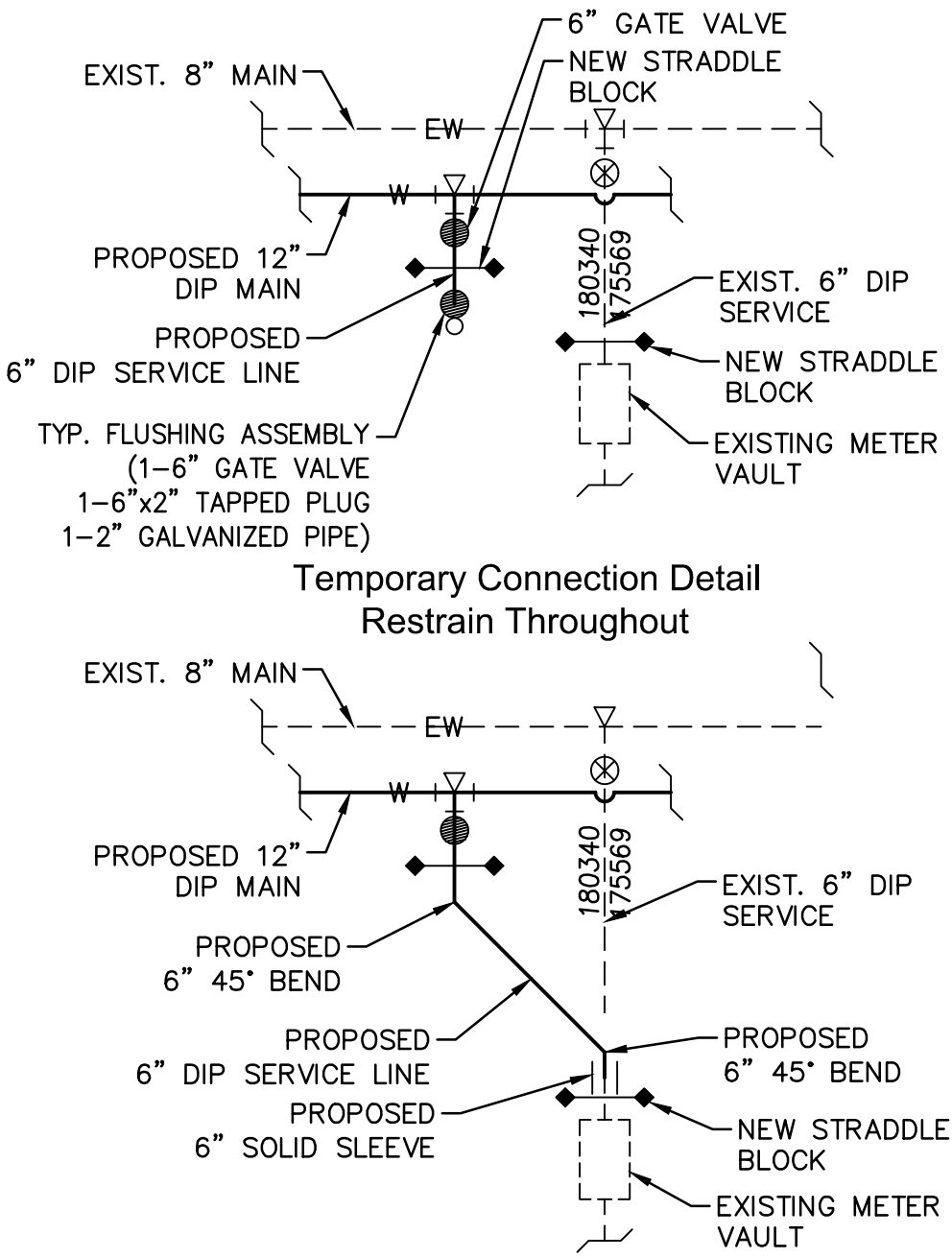




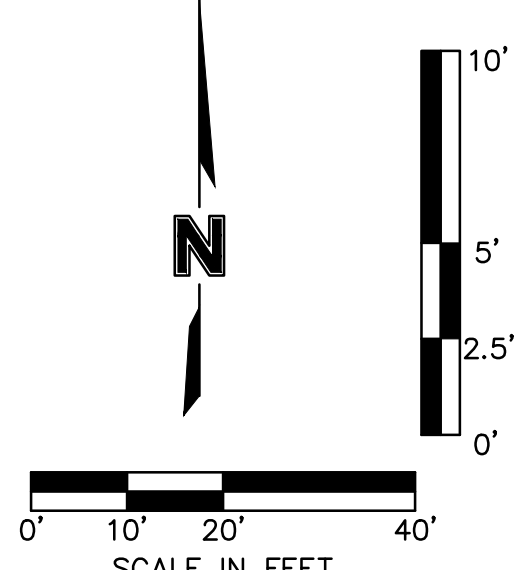
EXISTING WATER SERVICES TO BE TRANSFERRED						
ADDRESS	REGISTER NUMBER	MAIN TO CURB		CURB IN		INSTALL/RELOCATE METER
		SIZE	TYPE	SIZE	TYPE	
5861 NW 72nd Street	180340 (2" MTR)	6"	DIP	6"	DIP	N
5701 NW 72nd Street	136289	3/4"	G	3/4"	G	Y



NOTE:  
FOUR PROPERTIES ON THE NORTH SIDE OF NW 72ND STREET ARE CURRENTLY BEING SERVED BY MISSOURI AMERICAN WATER AND AS PART OF THIS PROJECT WILL BE SERVED OFF THE NEW WATER KCMO WATER MAIN ON THE SOUTH SIDE OF NW 72ND STREET. CONTRACTOR TO COORDINATE SERVICE TRANSFERS WITH MISSOURI AMERICAN WATER PLUMBER AND KCMO WATER SERVICE DEPARATMENT'S SERVICE PERMITTING. MISSOURI AMERICAN PLUMBER TO INSTALL NEW SERVICE LINES, CURB STOPS, METER PITS, ETC. AS IF THESE WERE NEW SERVICE LINES.



Service Transfer Detail for 5861 NW 72nd St.



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		WATER MAIN REPLACEMENT ALONG NW 72ND STREET FROM I-29 TO OVERLAND DRIVE KANSAS CITY, PLATTE COUNTY, MO			
BENJAMIN W. HEINS CIVIL ENGINEER MO#2011000894		WATER MAIN PLAN & PROFILE-2			
FOR WSD USE:					
DRAWN BY T.A.S.	CHECKED BY B.W.H.	MAP NO. P-2909	RANGE 33W	TWP 51N	SEC 19
CONTRACTOR		DATE COMPLETED			
CONTRACT NO.	CONTRACT DATE	DATE 2017.11.14	WORK ORDER NO.	DRAWING NO. D-20475	
PROJECT NO. 89008230 / WSD # 80002103		5 OF 11			

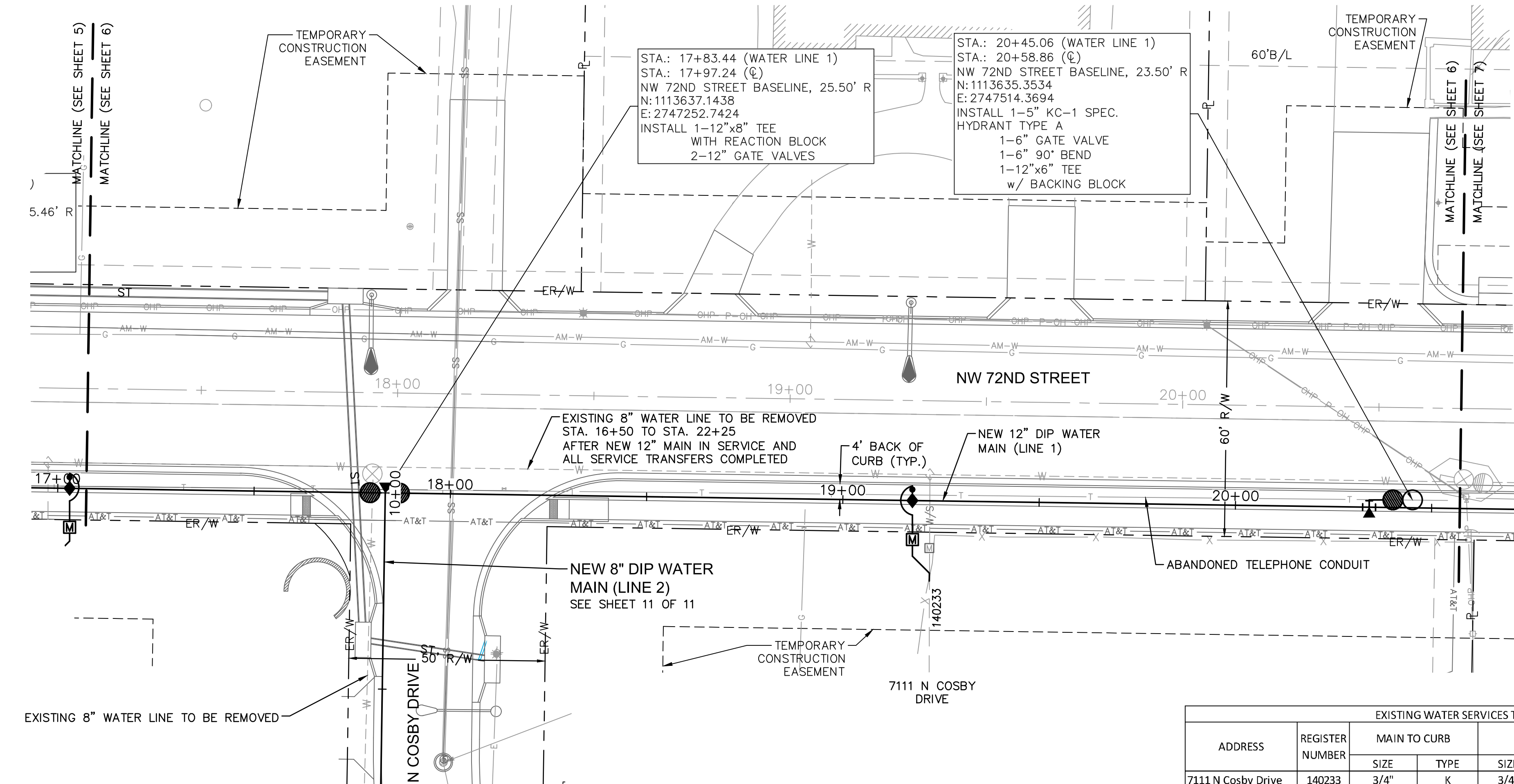
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NO.	REV.	DATE	REVISIONS DESCRIPTION	BY
1		12.05.2017	REVISED PER WSD COMMENTS	BWH
2		01.31.2018	REVISED PER WSD COMMENTS	BWH

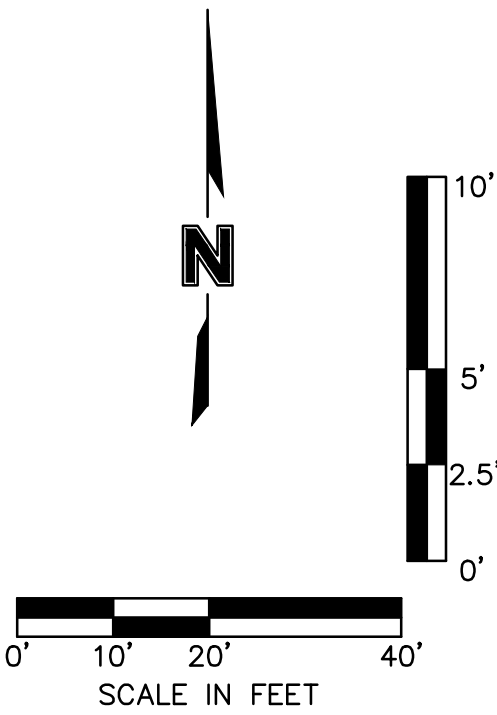
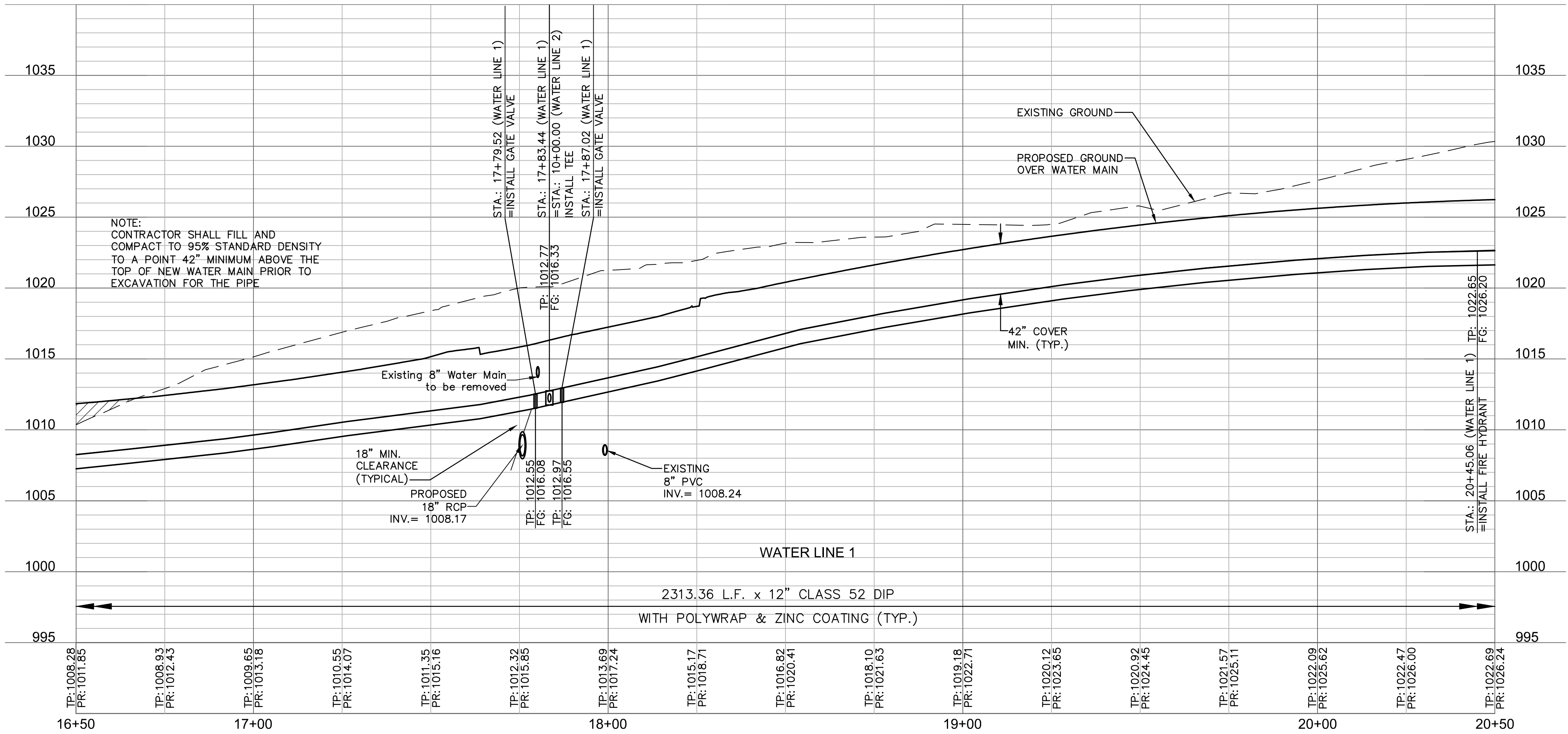
2017

WATER MAIN PLAN & PROFILE-2  
WATER MAIN REPLACEMENT  
ALONG NW 72ND STREET  
FROM I-29 TO OVERLAND DRIVE  
KANSAS CITY, MO

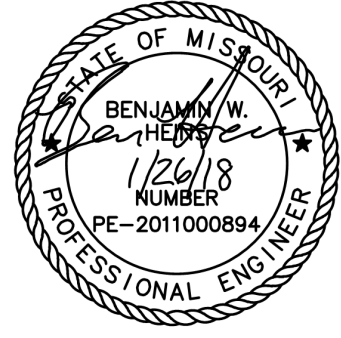
CONTRACTOR		DATE COMPLETED			
CONTRACT NO.	CONTRACT DATE	DATE 2017.11.14	WORK ORDER NO.	DRAWING NO. D-20475	
PROJECT NO. 89008230 / WSD # 80002103		5 OF 11			



EXISTING WATER SERVICES TO BE TRANSFERRED						
ADDRESS	REGISTER NUMBER	MAIN TO CURB		CURB IN		INSTALL CURB BOX
		SIZE	TYPE	SIZE	TYPE	
7111 N Cosby Drive	140233	3/4"	K	3/4"	K	YES



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BENJAMIN W. HEINS  
CIVIL ENGINEER  
MO#2011000894

FOR WSD USE:

KANSAS CITY, MISSOURI, WATER SERVICES DEPARTMENT

WATER MAIN REPLACEMENT  
ALONG NW 72ND STREET  
FROM I-29 TO OVERLAND DRIVE  
KANSAS CITY, PLATTE COUNTY, MO

WATER MAIN PLAN & PROFILE-3

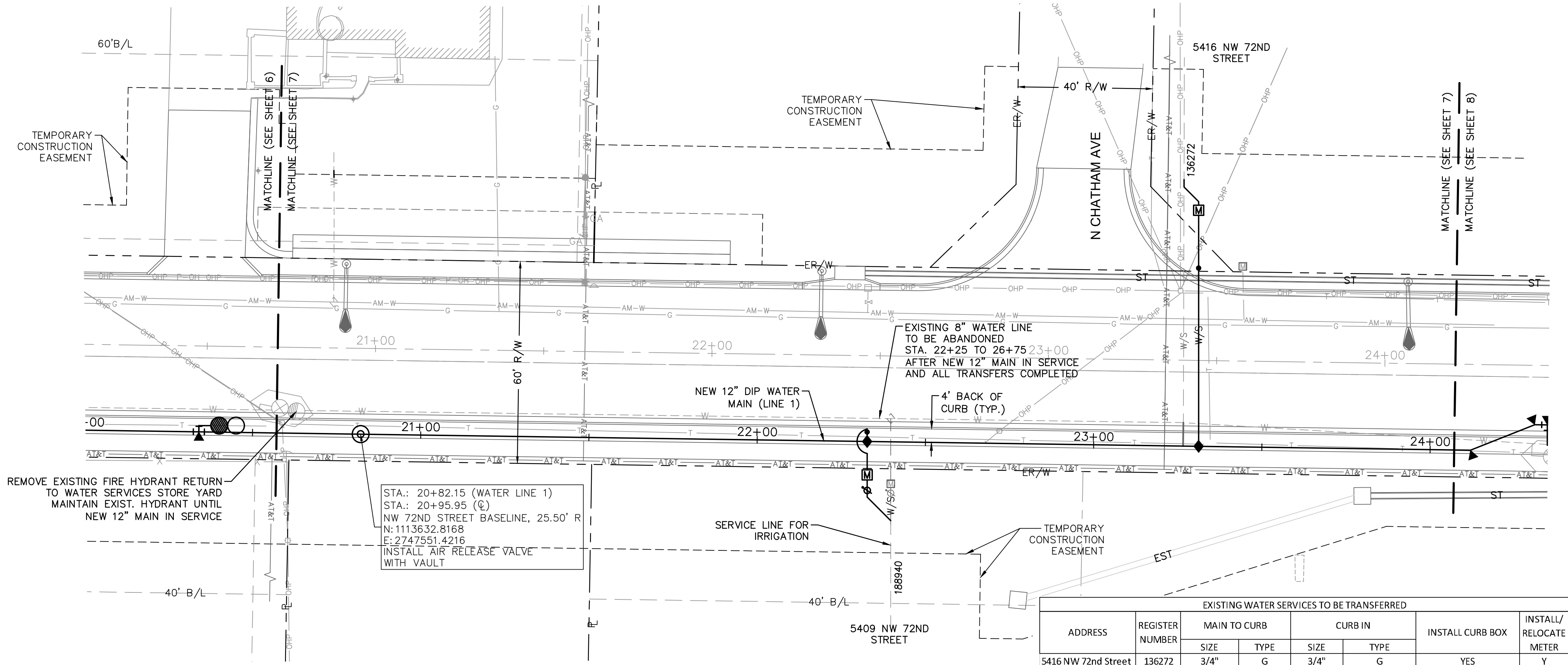
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CONTRACTOR			DATE COMPLETED		
CONTRACT NO.	CONTRACT DATE	DATE 2017.11.14	WORK ORDER NO.	DRAWING NO. D-20475	
PROJECT NO. 89008230 / WSD # 80002103			6 OF 11		

NO. REV.	DATE	REVISIONS DESCRIPTION	BY
1	12.05.2017	REVISED PER WSD COMMENTS	BWH
2	01.31.2018	REVISED PER WSD COMMENTS	BWH

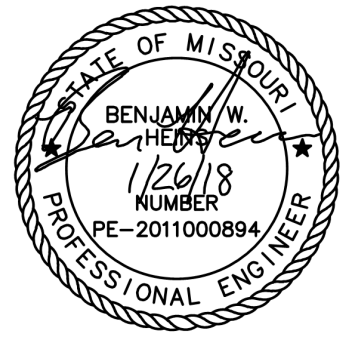
REVISIONS

WATER MAIN PLAN & PROFILE-3	2017
WATER MAIN REPLACEMENT ALONG NW 72ND STREET FROM I-29 TO OVERLAND DRIVE	
KANSAS CITY, MO	





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WATER MAIN REPLACEMENT  
ALONG NW 72ND STREET  
FROM I-29 TO OVERLAND DRIVE  
KANSAS CITY, PLATTE COUNTY, MO

WATER MAIN PLAN &amp; PROFILE-4

DRAWN BY T.A.S.	CHECKED BY B.W.H.	MAP NO. P-2909	RANGE 33W	TWP 51N	SEC 19
CONTRACTOR			DATE COMPLETED		
CONTRACT NO.	CONTRACT DATE	DATE 2017.11.14	WORK ORDER NO.	DRAWING NO. D-20475	
PROJECT NO. 89008230 / WSD # 80002103			7 OF 11		

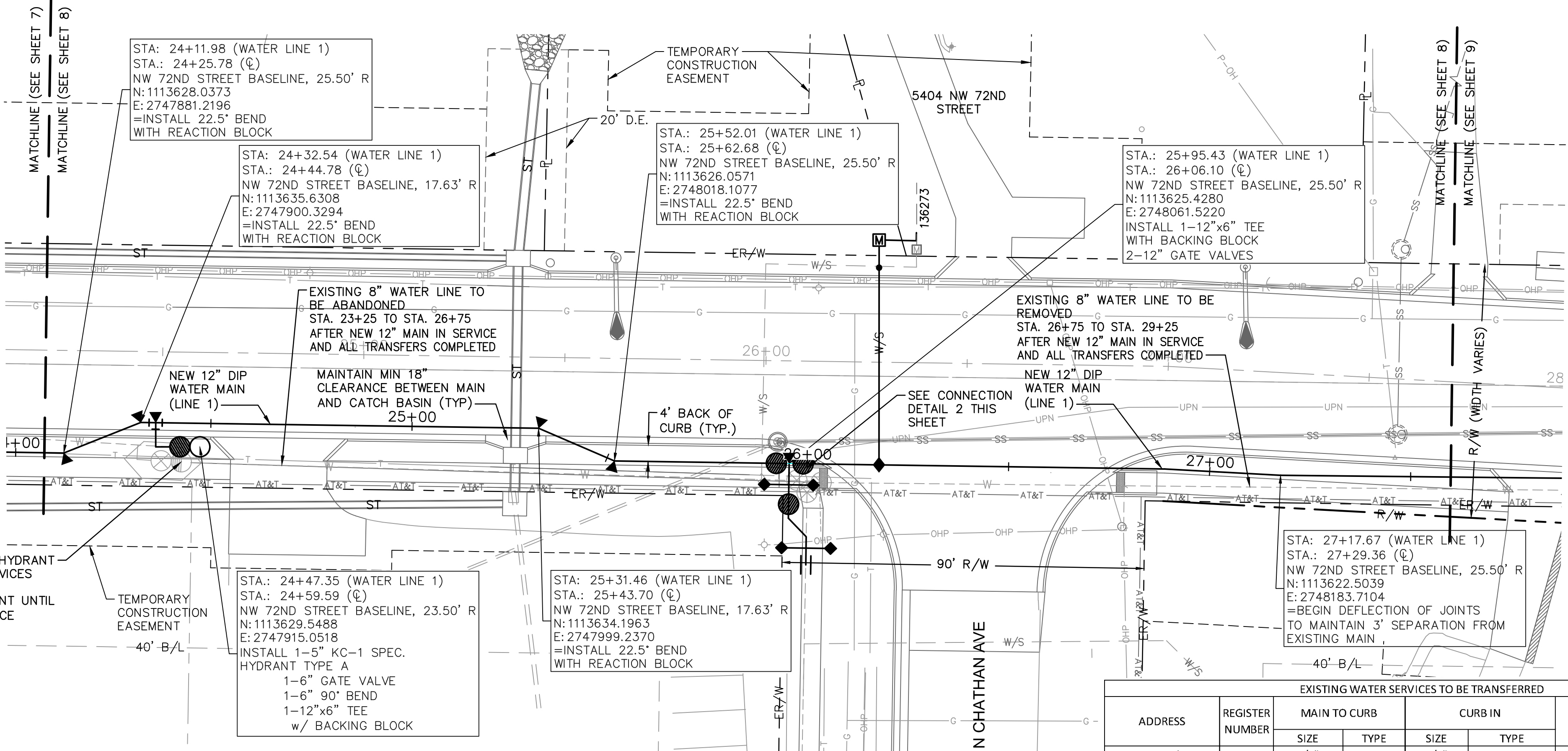
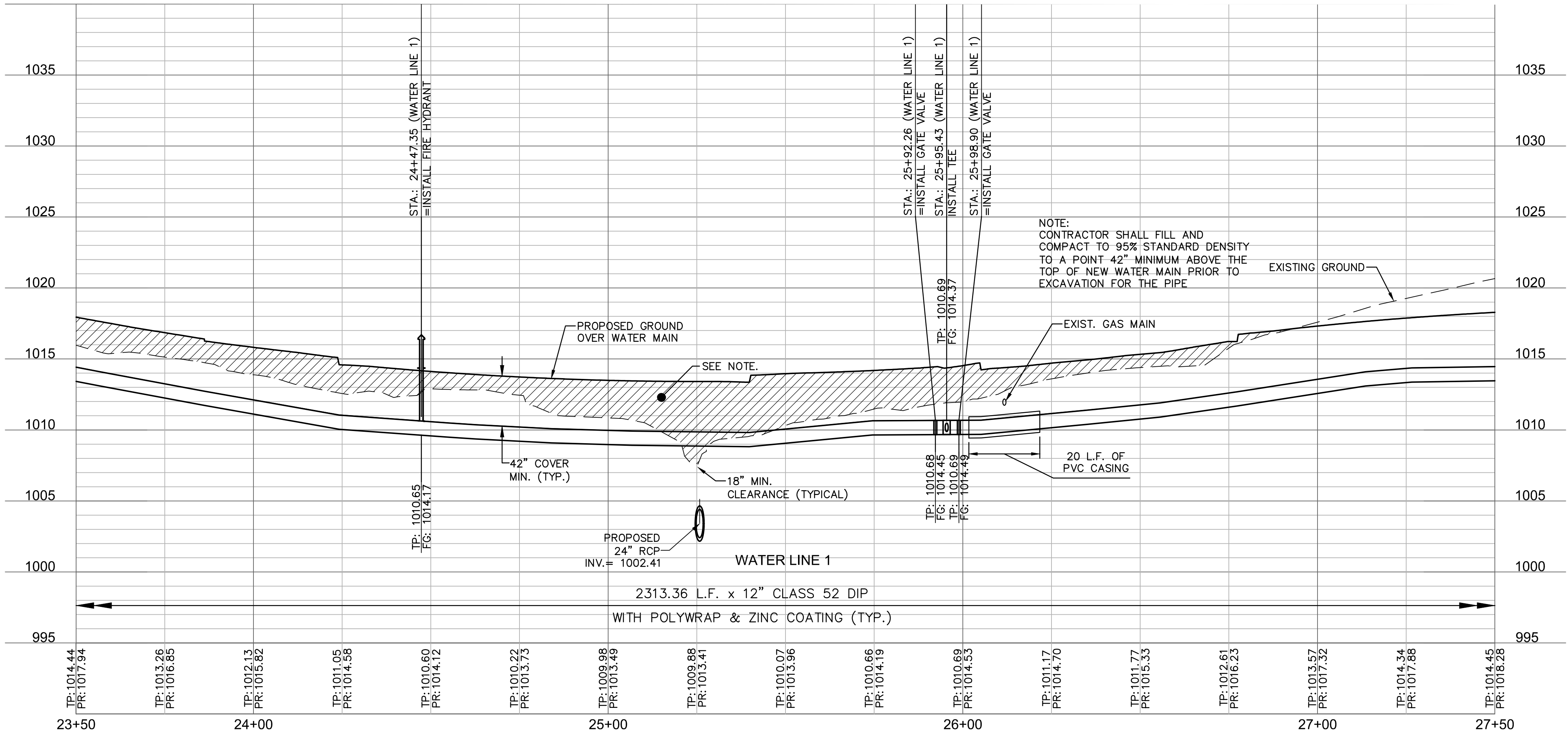
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## WATER MAIN PLAN & PROFILE-4

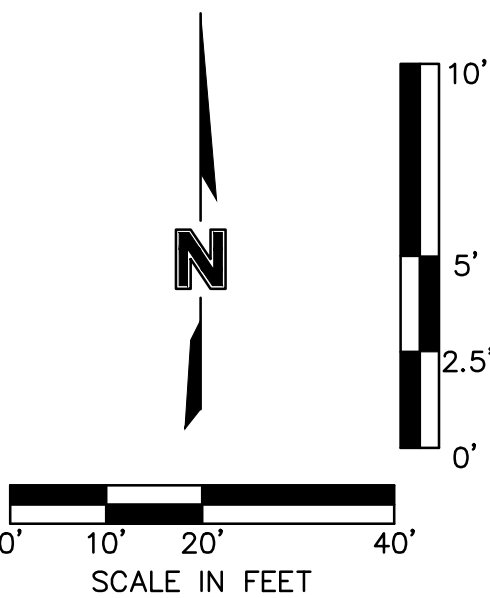
WATER MAIN REPLACEMENT  
ALONG NW 72ND STREET  
FROM I-29 TO OVERLAND DRIVE

KANSAS CITY, MO	2017
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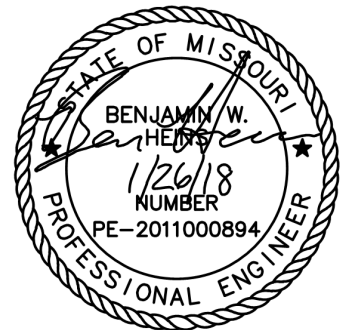




ADDRESS	REGISTER NUMBER	MAIN TO CURB		CURB IN		INSTALL CURB BOX	INSTALL/RELOCATE METER
		SIZE	TYPE	SIZE	TYPE		
5404 NW 72nd Street	136273	3/4"	G	3/4"	G	YES	Y



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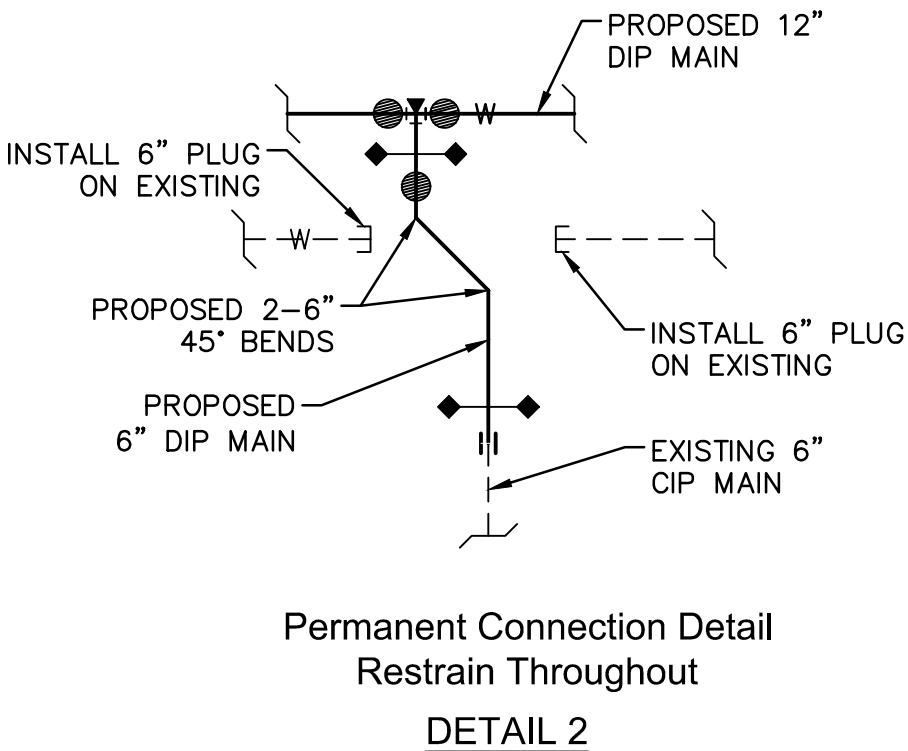
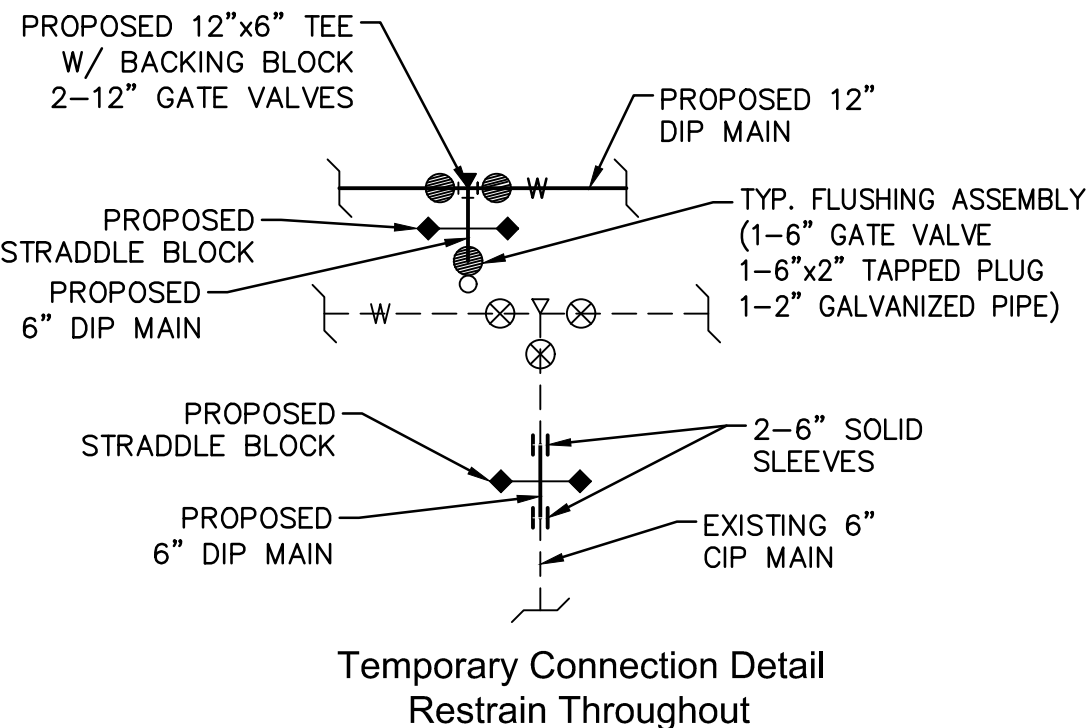
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**WATER MAIN REPLACEMENT  
ALONG NW 72ND STREET  
FROM I-29 TO OVERLAND DRIVE**

**WATER MAIN PLAN & PROFILE-5**

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CONTRACTOR			DATE COMPLETED		
CONTRACT NO.	CONTRACT DATE	DATE 2017.11.14	WORK ORDER NO.	DRAWING NO. D-20475	
PROJECT NO. 89008230 / WSD # 80002103			8 OF 11		

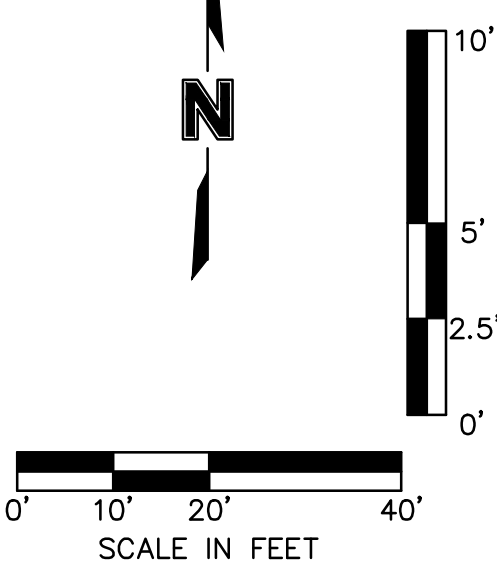


**MOLSSON ASSOCIATES**

Molson Associates, Civil Engineering  
1301 Burlingston, Suite 100  
North Kansas City, MO 64116  
TEL 816.587.4320  
FAX 816.587.1393  
www.disonassociates.com

NO. REV.	DATE	REVISIONS DESCRIPTION	BY	REVISED PER WSD COMMENTS
1	12.05.2017	REVISED PER WSD COMMENTS	BWH	
2	01.31.2018	REVISED PER WSD COMMENTS	BWH	

WATER MAIN PLAN & PROFILE-5		2017
WATER MAIN REPLACEMENT ALONG NW 72ND STREET FROM I-29 TO OVERLAND DRIVE		
KANSAS CITY, MO		



FOR WSD USE:

WATER MAIN REPLACEMENT  
ALONG NW 72ND STREET  
FROM I-29 TO OVERLAND DRIVE  
KANSAS CITY, PLATTE COUNTY, MO

WATER MAIN PLAN &amp; PROFILE-6

DRAWN BY T.A.S.	CHECKED BY B.W.H.	MAP NO. P-2909	RANGE 33W	TWP 51N	SEC 19
CONTRACTOR			DATE COMPLETED		
CONTRACT NO.	CONTRACT DATE	DATE 2017.11.14	WORK ORDER NO.	DRAWING NO. D-20475	
PROJECT NO. 89008230 / WSD # 80002103			9 OF 11		

[illegible]

WATER MAIN PLAN &amp; PROFILE-6

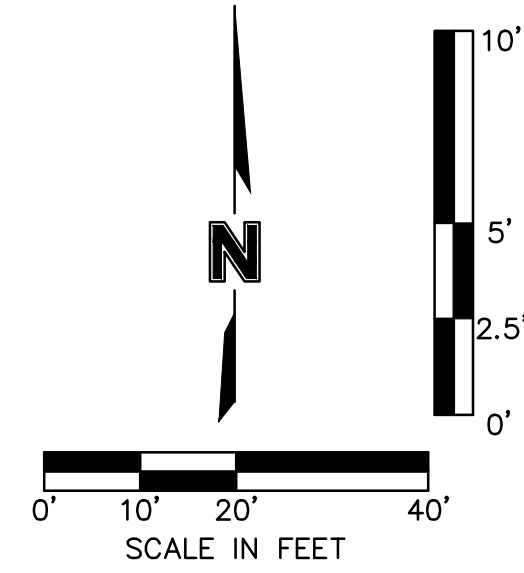
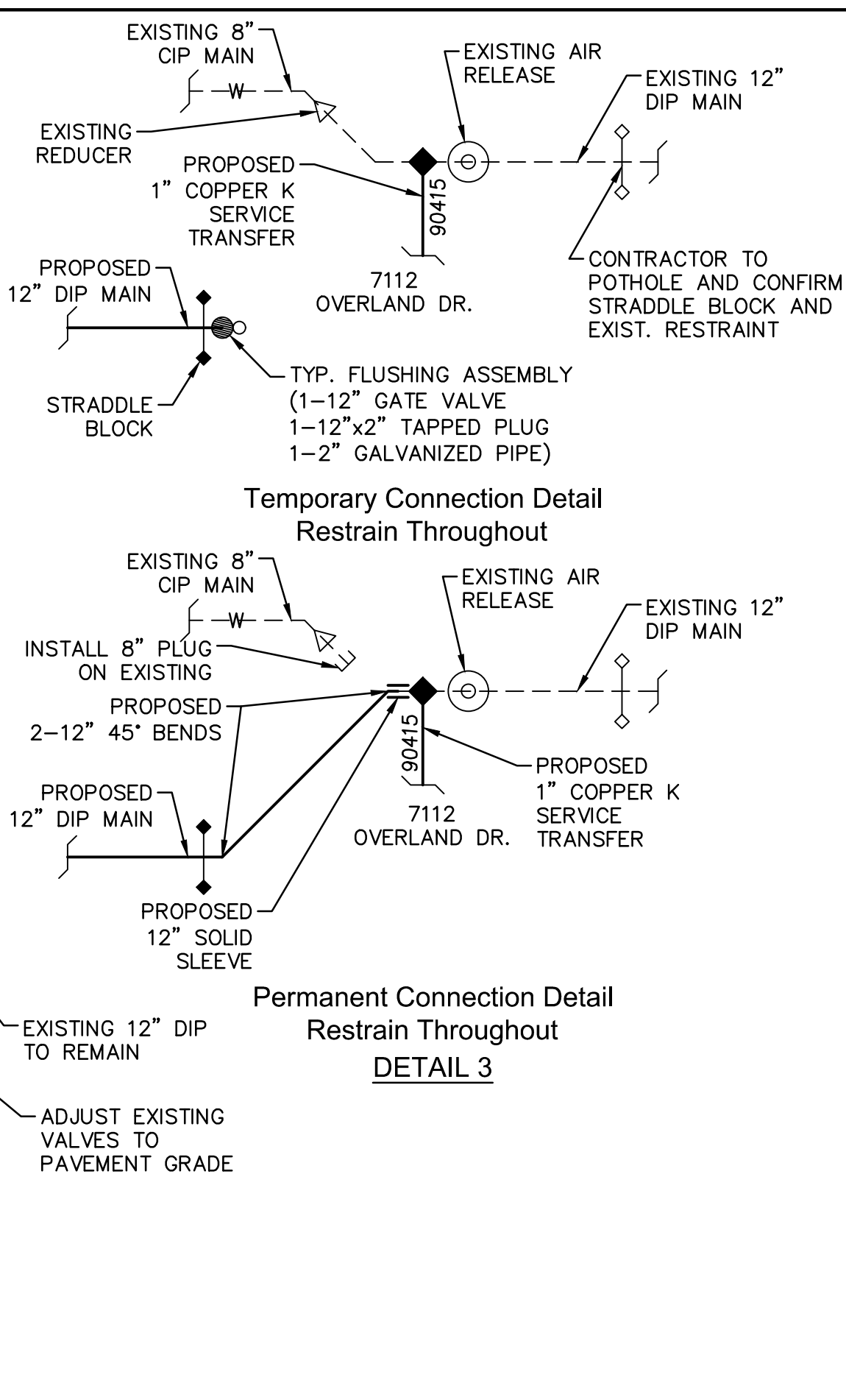
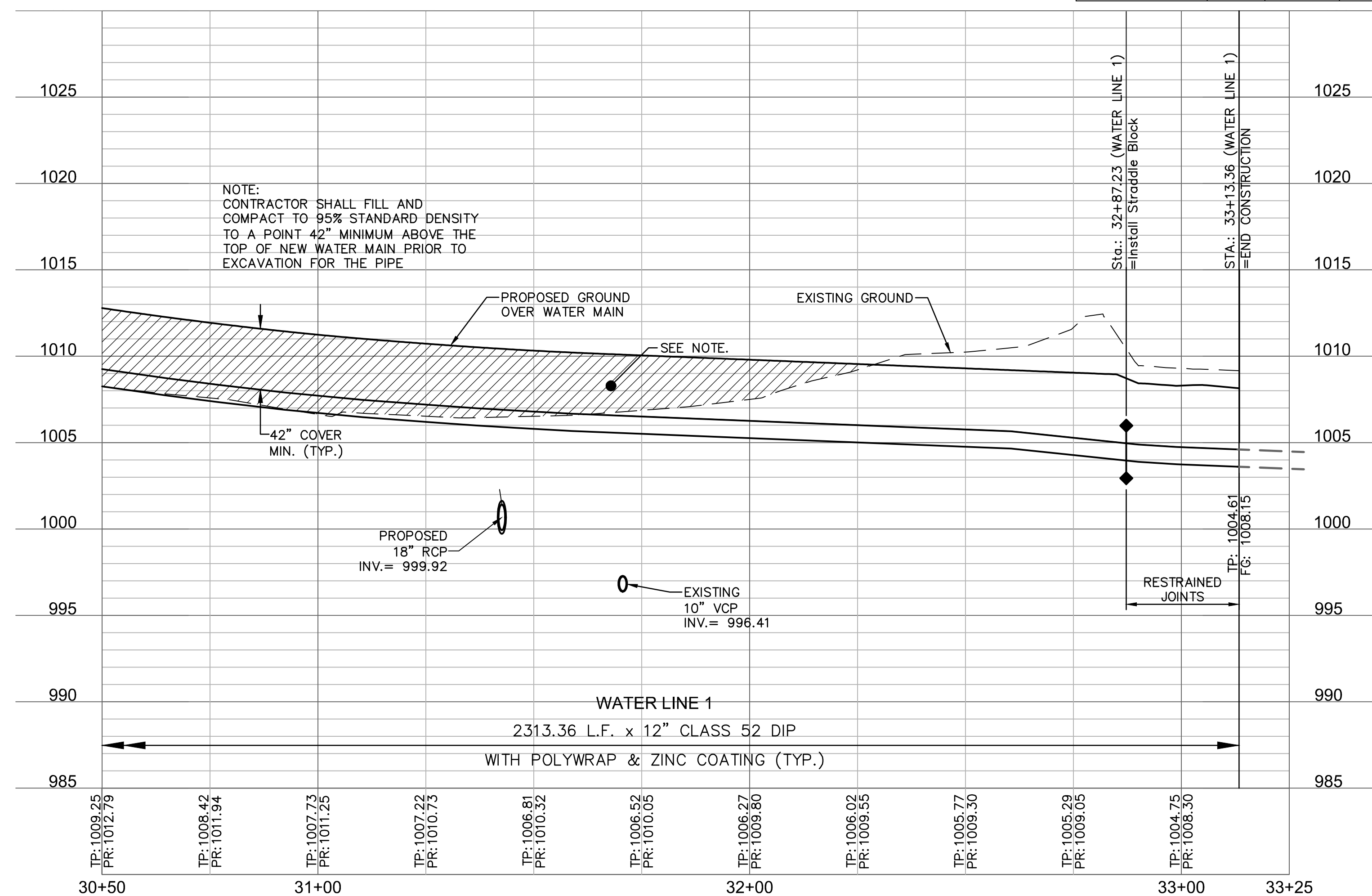
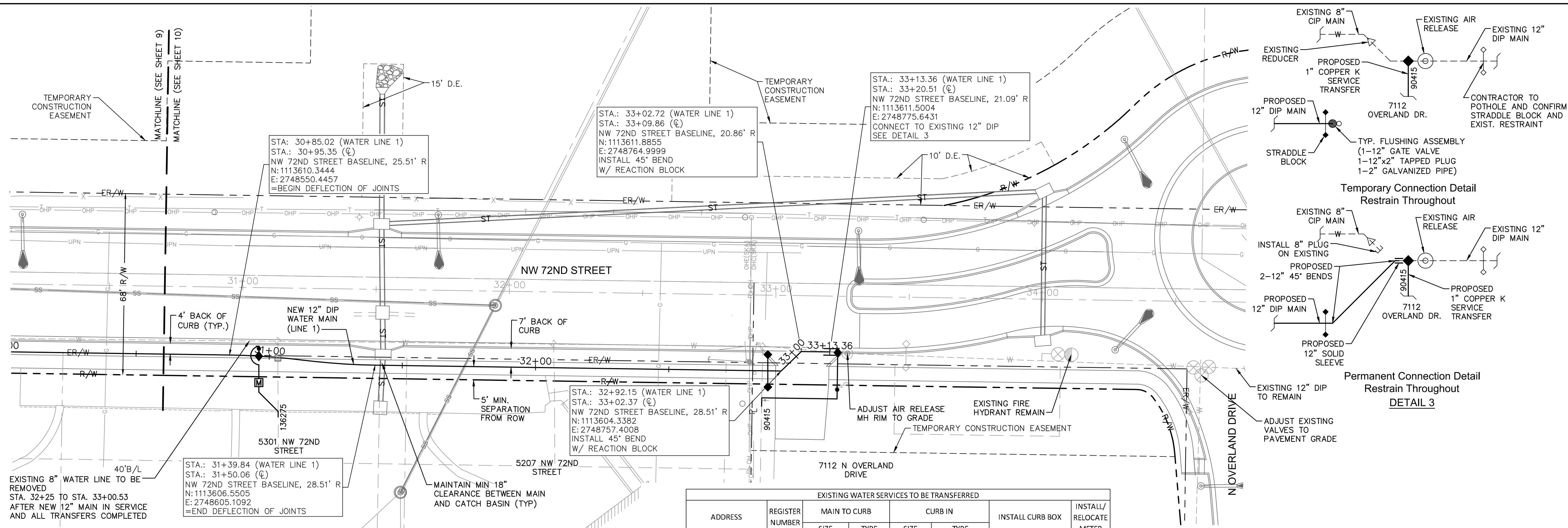
WATER MAIN REPLACEMENT  
ALONG NW 72ND STREET  
FROM I-29 TO OVERLAND DRIVE

KANSAS CITY, MO



Olsson Associates - Civil Engineering  
MO Certificate of Authority #001592  
1301 BURLINGTON, SUITE 100  
NORTH KANSAS CITY, MO 64116





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BENJAMIN W. HEINS  
CIVIL ENGINEER  
MO#2011000894

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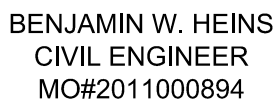
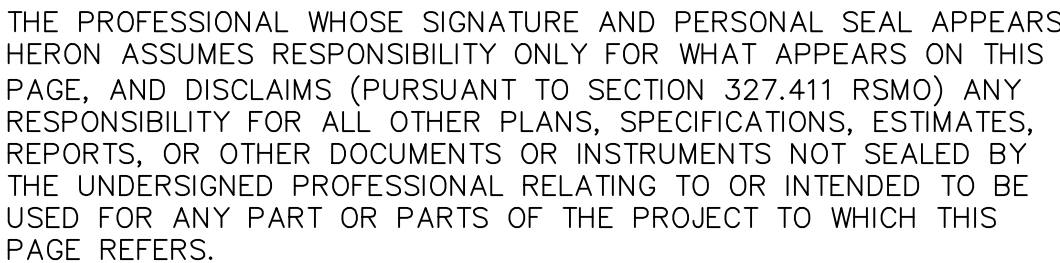
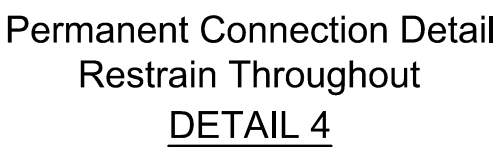
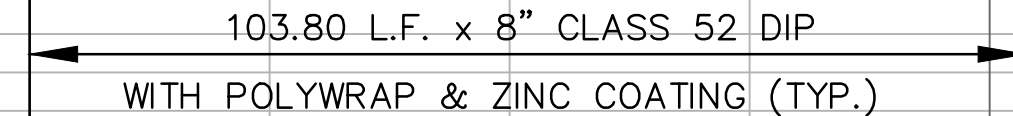
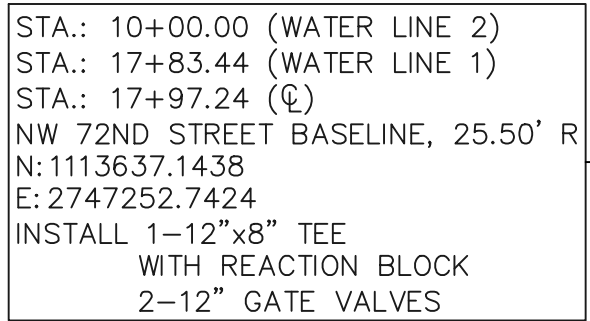
KANSAS CITY, MISSOURI, WATER SERVICES DEPARTMENT

WATER MAIN REPLACEMENT  
ALONG NW 72ND STREET  
FROM I-29 TO OVERLAND DRIVE  
KANSAS CITY, PLATTE COUNTY, MO

WATER MAIN PLAN &amp; PROFILE-7

DRAWN BY T.A.S.	CHECKED BY B.W.H.	MAP NO. P-2909	RANGE 33W	TWN 51N	SEC 19
CONTRACTOR			DATE COMPLETED		
CONTRACT NO.	CONTRACT DATE	DATE 2017.11.14	WORK ORDER NO.	DRAWING NO. D-20475	
PROJECT NO. 89008230 / WSD # 80002103			10 OF 11		

<p>WATER MAIN PLAN &amp; PROFILE-7</p> <p>WATER MAIN REPLACEMENT ALONG NW 72ND STREET FROM I-29 TO OVERLAND DRIVE</p> <p>KANSAS CITY, MO</p>	<p>2017</p>	<p>NO. REV.</p> <p>1 12-05-2017</p> <p>2 01-31-2018</p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p>	<p>DATE</p>	<p>REVISIONS DESCRIPTION</p> <p>REVISED PER WSD COMMENTS</p> <p>REVISED PER WSD COMMENTS</p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p>	<p>BY</p> <p>BWH</p> <p>BWH</p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p>
		<p>REVISIONS</p>			



KANSAS CITY, MISSOURI, WATER SERVICES DEPARTMENT

# WATER MAIN PLAN & PROFILE-8

11 OF 11

# WATER MAIN PLAN & PROFILE-8

WATER MAIN REPLACEMENT  
ALONG NW 72ND STREET  
FROM I-29 TO OVERLAND DRIVE

KANSAS CITY, MO