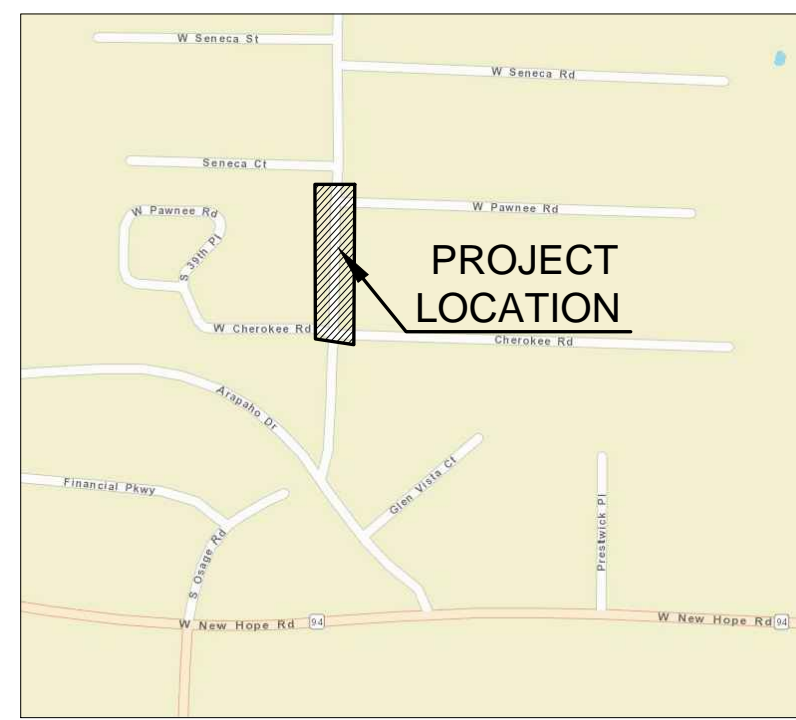


2021 WATER LINE EXTENSIONS & REPLACEMENTS

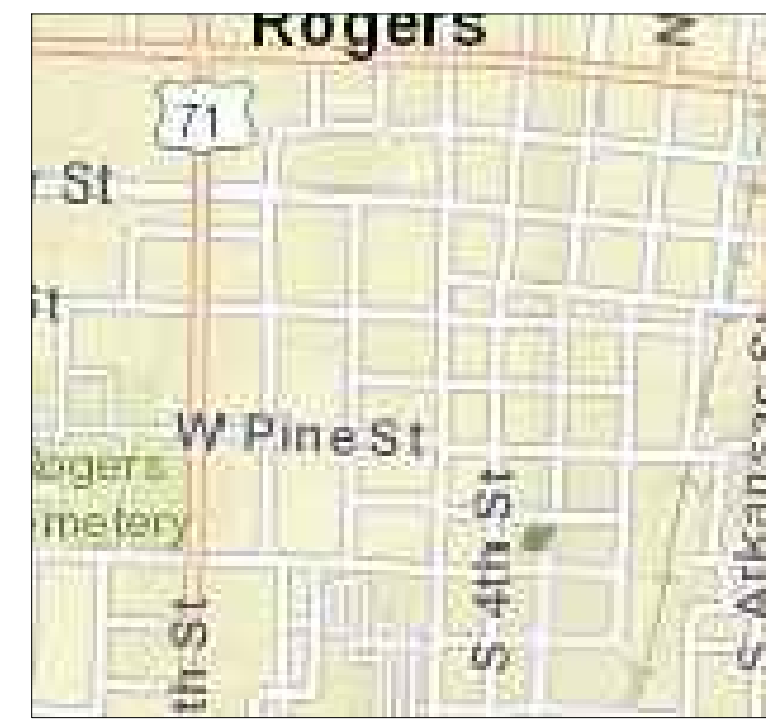
OSAGE ROAD, W PINE STREET, PEARL STREETS, MOBERLY LANE METERING STATION AND S 3RD STREET ROGERS, AR

GENERAL NOTES

1. THE CONTRACTOR IS CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ARE BASED ON THE RECORDS OF UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THE LOCATION OF UNDERGROUND UTILITIES AND NOTIFY THE ENGINEER OF ANY POTENTIAL CONFLICTS OR PLAN DISCREPANCIES.
2. ALL MATERIALS AND CONSTRUCTION SHALL COMPLY WITH THE STANDARD DETAILS AND SPECIFICATIONS OF THE CITY OF ROGERS AND ROGERS WATER UTILITIES UNLESS OTHERWISE SPECIFIED HEREIN.
3. THE CONTRACTOR SHALL DOCUMENT THE CONDITION OF ALL EXISTING FACILITIES IN PROXIMITY TO THE WORK AREA INCLUDING, BUT NOT LIMITED TO: SIDEWALKS, CURBS, DRIVEWAYS, MAILBOXES, FENCES, BUILDINGS, & STRUCTURES PRIOR TO CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE TO THESE FACILITIES DURING CONSTRUCTION.
4. ALL WORK SHALL ADHERE TO SITE MANAGEMENT PRACTICES DESCRIBED IN THE GENERAL AND SUPPLEMENTAL CONDITIONS OF THE CONSTRUCTION CONTRACT. EROSION AND SEDIMENT BMPs, IF REQUIRED, MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THE TRIBUTARY AREAS OF THOSE BMPs.
5. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SAFETY OF ALL PERSONS AND PROTECTION OF PUBLIC AND PRIVATE PROPERTY DURING THE PERFORMANCE OF THE WORK.
6. THE CONTRACTOR SHALL COMPLETELY CLEANUP ALL DEBRIS OF EVERY SORT (INCLUDING ROCKS) WHICH HAS ACCUMULATED ON THE SITE DURING THE COURSE OF THE WORK. THE AREAS AFFECTED BY CONSTRUCTION SHALL BE RETURNED TO THEIR PRE-CONSTRUCTION CONDITION. THE CONTRACTOR SHALL ALSO RETURN ALL GRADING AS REQUIRED BY THE ENGINEER AND THE PLACING OF SEED & STRAW WITH A MINIMUM OF 3" TOPSOIL.
7. THE CONTRACTOR SHALL TAKE REASONABLE MEASURES TO PROTECT THE SAFETY OF PEDESTRIANS THROUGHOUT THE COURSE OF THE WORK. THESE MEASURES MAY INCLUDE UTILIZATION OF TEMPORARY FENCING, TEMPORARY SIGNAGE AND CLOSURE OF SIDEWALKS/TRAILS, AND REMOVING ANY DEBRIS FROM WALKWAYS.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY TRAFFIC CONTROL THROUGHOUT THE COURSE OF CONSTRUCTION. ALL TRAFFIC CONTROL MEASURES SHALL BE PER CURRENT MUTCD STANDARDS.
9. THE CONTRACTOR SHALL ADHERE TO ALL REQUIREMENTS OUTLINED IN THE GENERAL AND SUPPLEMENTAL CONDITIONS THROUGHOUT THE PERFORMANCE OF THE WORK.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RECONNECTION OF ALL PRIVATE WATER SERVICE WHERE NEW SERVICES ARE CONSTRUCTED.



OSAGE ROAD



W PINE STREET



E PEARL STREET



MOBERLY LANE
METER STATION



S 3RD STREET

SHEET INDEX

A	COVER SHEET
1	OSAGE ROAD STORM BOX CULVERT
2	OSAGE ROAD 36" STORM SEWER
3	OSAGE ROAD WATER LINE 1 STA 0+00 TO STA 3+23
4	OSAGE ROAD WATER LINE 2 STA 0+00 TO STA 0+93
5	W PINE STREET WATER LINE 3 STA 0+00 TO STA 4+50
6	W PINE STREET WATER LINE 3 STA 4+50 TO STA 9+40
7	W PINE STREET WATER LINE 4 STA 0+00 TO STA 4+91
8	W PINE STREET & S 4TH STREET WATER LINE REPAIR
9	E PEARL STREET WATER LINE 5 STA 0+00 TO STA 5+00
10	E PEARL STREET WATER LINE 5 STA 5+00 TO STA 10+00
11	E WALNUT STREET MOVE SERVICE LINES
12	MOBERLY LANE METERING STATION RECOMMISSIONING
13	S. 3RD ST WATERLINE 6 STA. 0+00 TO 5+00
14	S. 3RD ST WATERLINE 6 STA. 5+00 TO 9+36
WD1	WATER DETAIL SHEET
WD2	WATER DETAIL SHEET

FLOOD DETERMINATION

THIS PROJECT DOES NOT LIE WITHIN A 100-YEAR SPECIAL FLOOD HAZARD AREA AS SHOWN ON FIRM PANELS NO. 05007C0260K, EFFECTIVE 6/05/2012.

EXISTING	LEGEND	PROPOSED
— W —	WATER MAIN	— 8" W —
— SS —	GRAVITY SEWER MAIN	— 8" SS —
— UG/T —	UNDERGROUND TELEPHONE	
— UG/E —	UNDERGROUND ELECTRIC	
— O/H/E —	OVERHEAD ELECTRIC	
— GAS —	GAS MAIN	
— X —	WIRE FENCE	
— CHAIN LINK —	CHAIN LINK FENCE	
— G —	GAS METER	
— W —	WATER METER	
— T —	TELEPHONE PEDESTAL	
— H —	FIRE HYDRANT	
— V —	WATER VALVE	
— R —	REDUCER	
— A —	AIR RELEASE VALVE	
— E —	ELECTRIC RISER BOX	
— M —	MANHOLE	
— P —	POWER POLE W/ GUY	
— C —	CONTROL POINT	
— F —	FOUND IRON PIN/PIPE	
— R/W —	RIGHT-OF-WAY	

PROJECT CONTACT INFORMATION

CIVIL ENGINEER:: RWU ENGINEERING DEPT.
AARON SHORT
(479) 986-6827

ROGERS PLANNING: CITY OF ROGERS
(479) 621-1186

FIRE: ROGERS FIRE DEPARTMENT
(479) 621-1179

GAS: BLACK HILLS ENERGY
(479) 877-0430

TELECOM: COX COMMUNICATIONS
(479) 871-8807

ELECTRIC: CARROLL ELECTRIC
(479) 273-2421



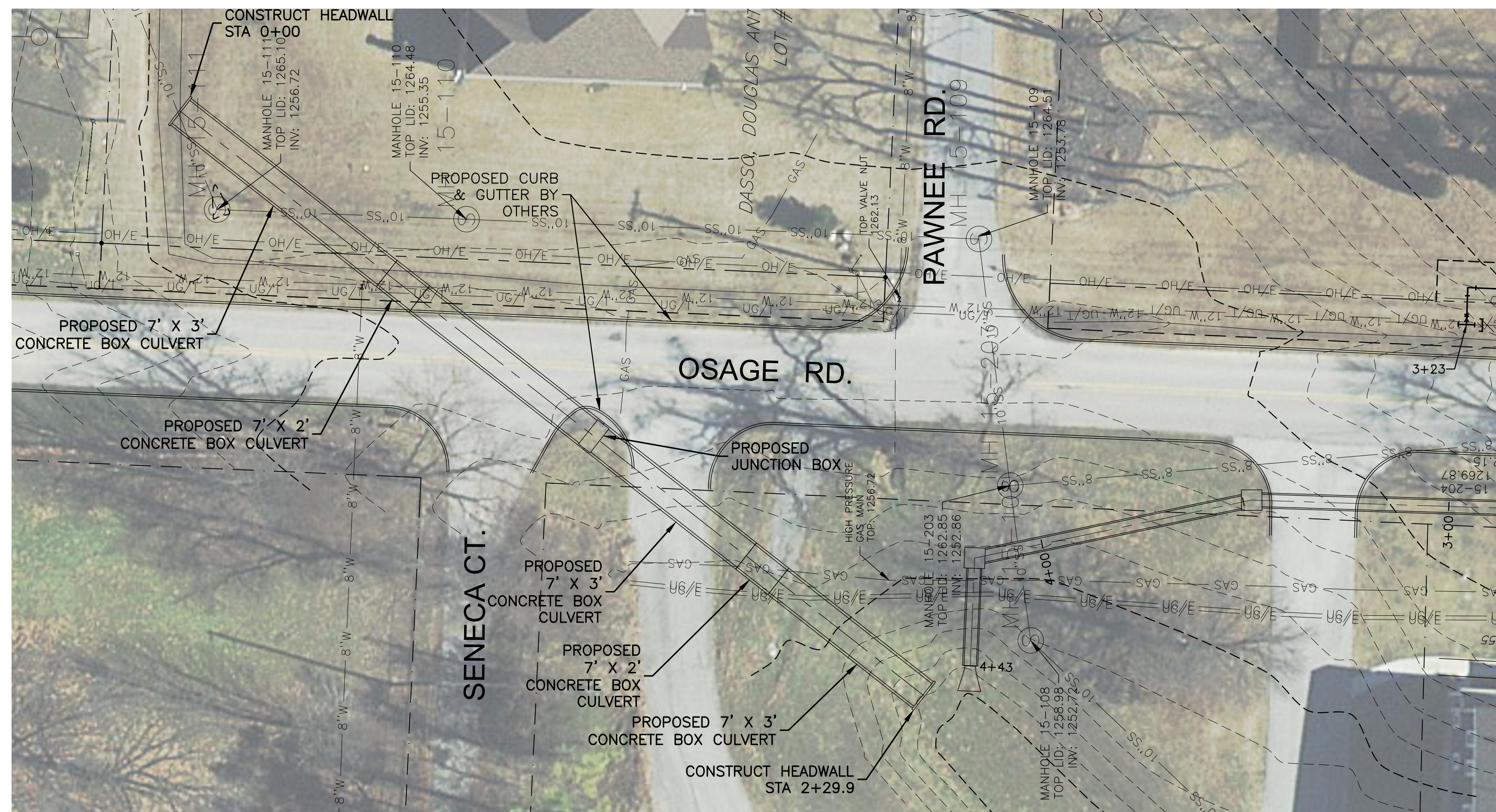
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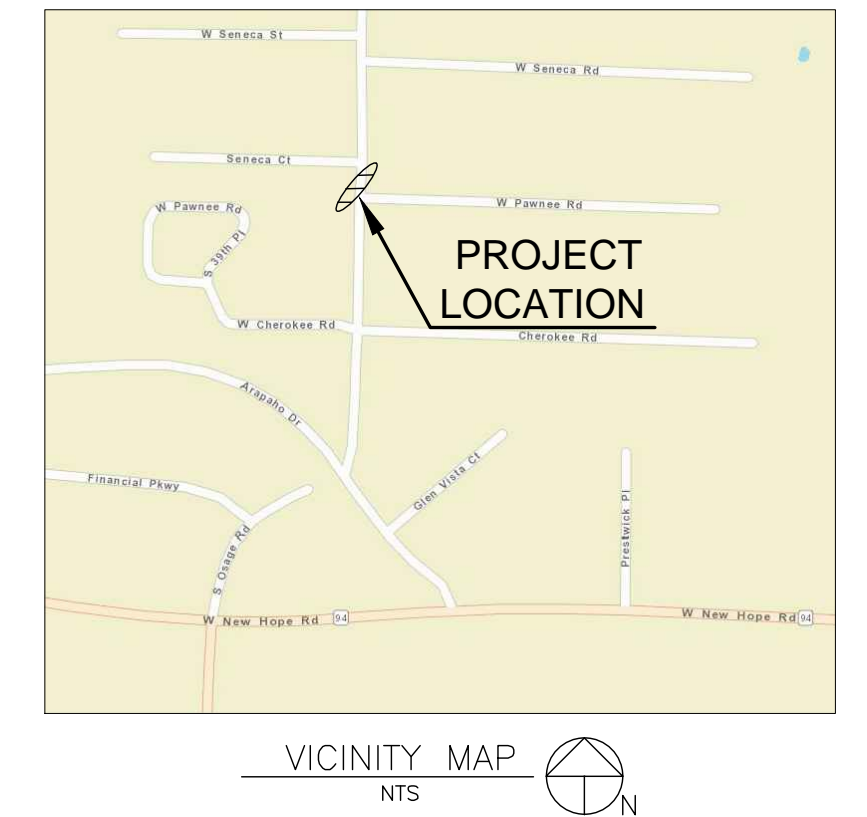
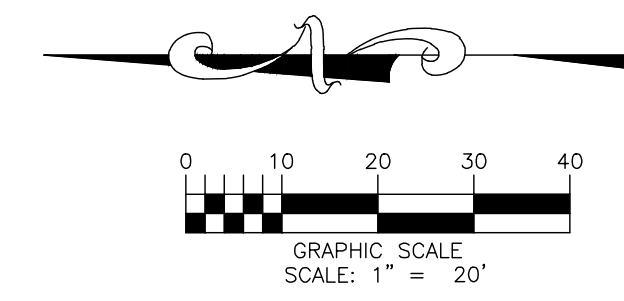


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STORM BOX CULVERT PLAN STA 0+00 TO STA 2+29.9

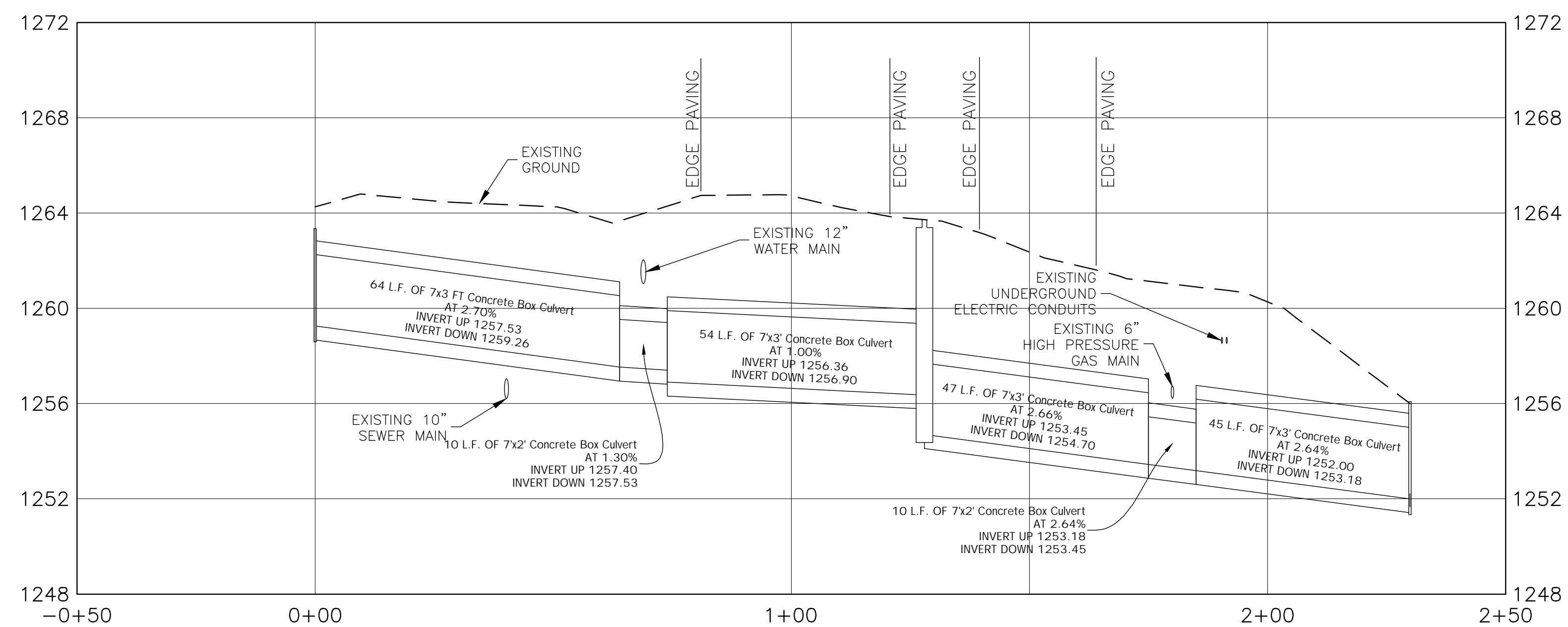
SCALE: HORIZ 1"=20'



LEGEND	
EXISTING	PROPOSED



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STORM BOX CULVERT PROFILE STA 0+00 TO STA 2+29.9

SCALE: HORIZ 1"=20' / VERT 1"= 4'



**2021 WATER EXTENSIONS & RELOCATIONS
OSAGE ROAD
STORM DRAIN & WATER RELOCATION**

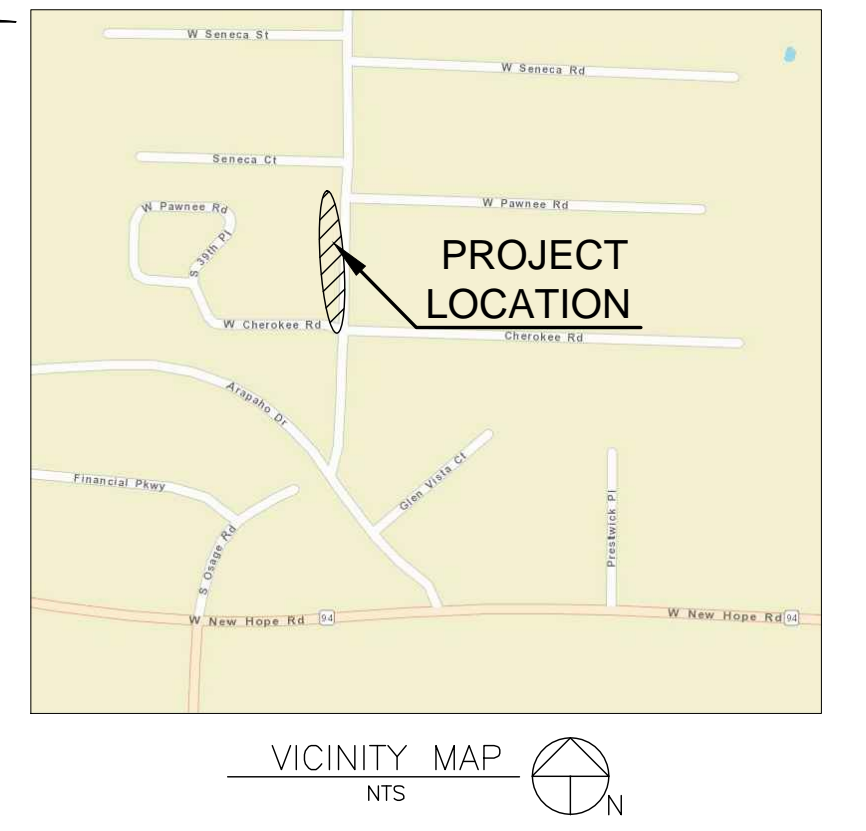
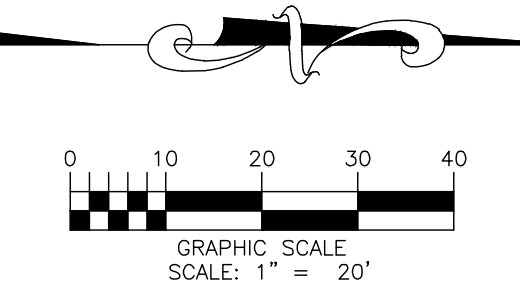
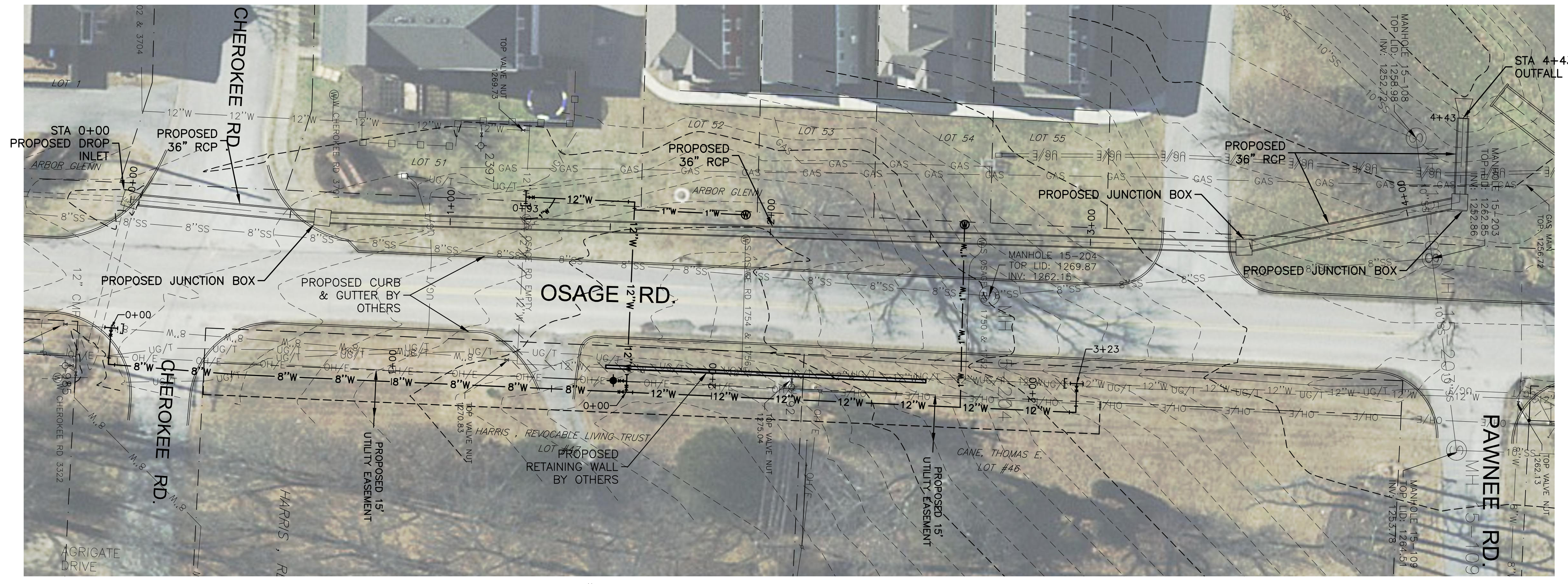
**STORM BOX CULVERT
STA 0+00 TO STA 2+29.9**



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No.	DATE	REVISION	BY

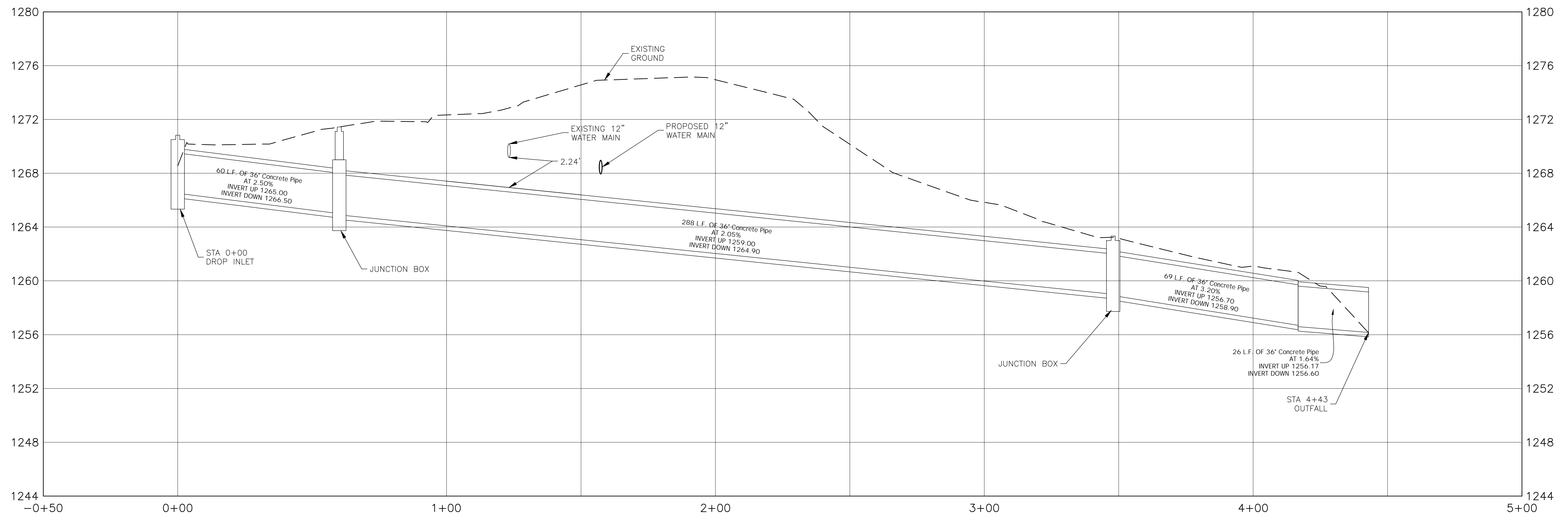
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CHECKED BY: ABS	PROJECT NUMBER:	



LEGEND

EXISTING	PROPOSED
— W	— W
— SS	— SS
— UG/T	— UG/T
— OH/E	— OH/E
— GAS	— GAS
— WIRE FENCE	— WIRE FENCE
— CHAIN LINK FENCE	— CHAIN LINK FENCE
— GAS METER	— GAS METER
— WATER METER	— WATER METER
— TELEPHONE PEDESTAL	— TELEPHONE PEDESTAL
— FIRE HYDRANT	— FIRE HYDRANT
— WATER VALVE	— WATER VALVE
— REDUCER	— REDUCER
— AIR RELEASE VALVE	— AIR RELEASE VALVE
— ELECTRIC RISER BOX	— ELECTRIC RISER BOX
— MANHOLE	— MANHOLE
— POWER POLE W/ GUY	— POWER POLE W/ GUY
— CONTROL POINT	— CONTROL POINT
— FOUND FROM PH/PIPE	— FOUND FROM PH/PIPE
— R/W	— R/W

36" STORM SEWER PLAN STA 0+00 TO STA 4+43
SCALE: HORIZ 1"=20'



36" STORM SEWER PROFILE STA 0+00 TO STA 4+43
SCALE: HORIZ 1"=20' / VERT 1"= 4'



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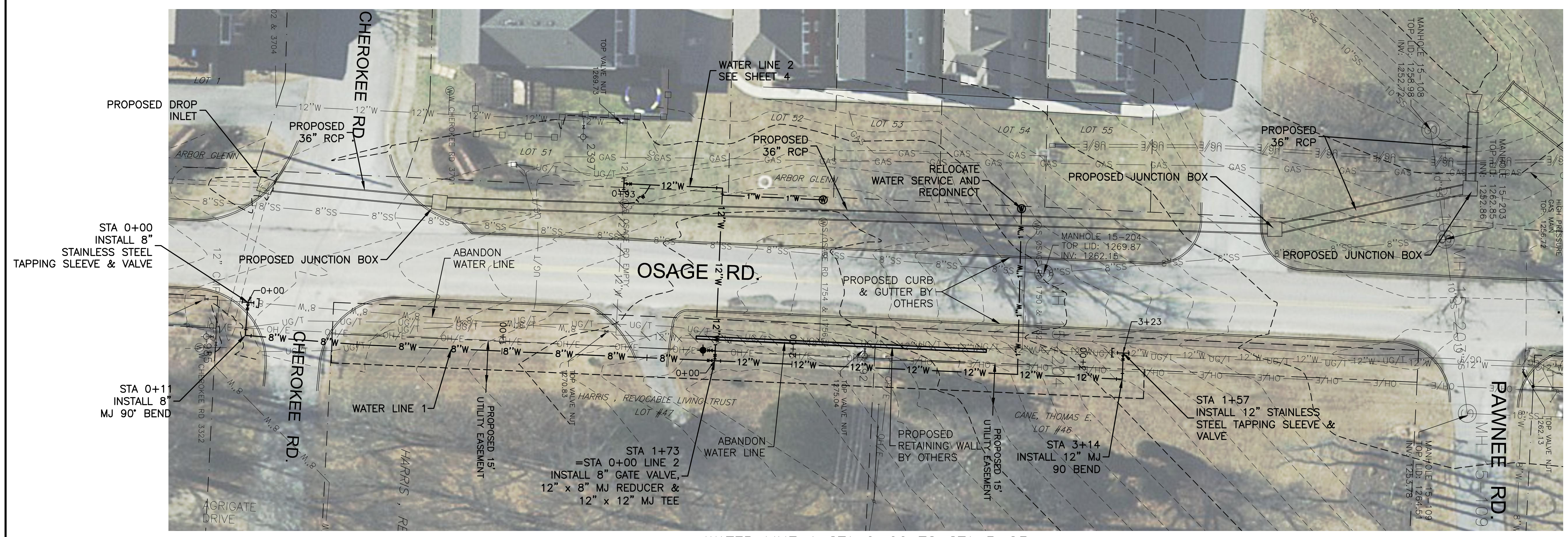
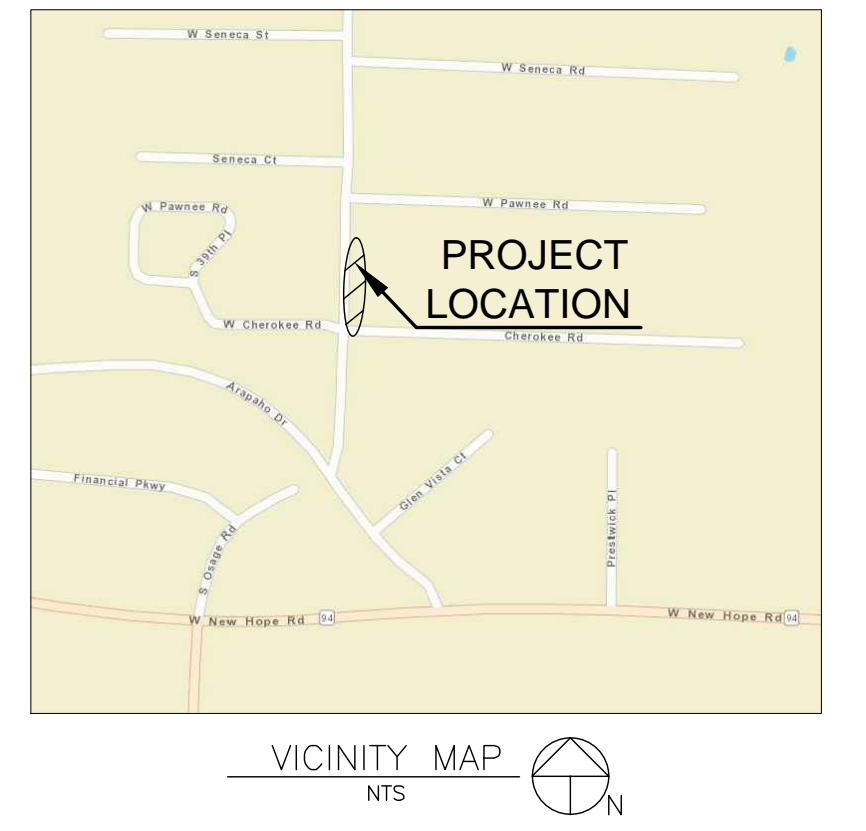
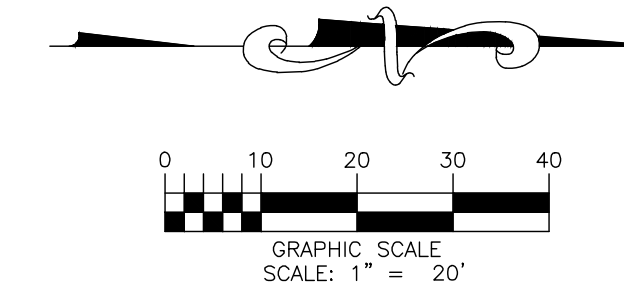


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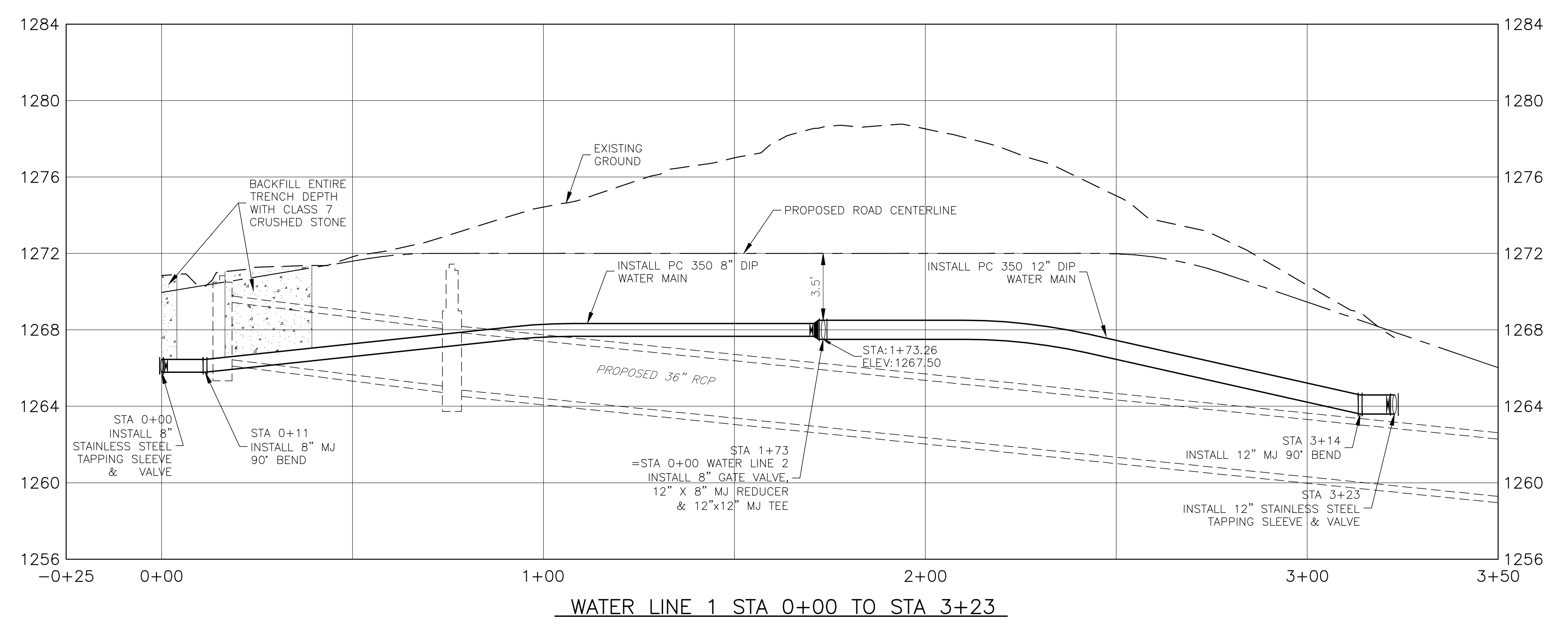
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LEGEND

EXISTING	PROPOSED
8" W	8" W
12" W	12" W
15" W	15" W
18" W	18" W
24" W	24" W
30" W	30" W
36" W	36" W
UG/T	UG/T
UG/E	UG/E
OH/E	OH/E
GAS	GAS
WIRE FENCE	WIRE FENCE
CHAIN LINK FENCE	CHAIN LINK FENCE
GAS METER	GAS METER
WATER METER	WATER METER
TELEPHONE PEDESTAL	TELEPHONE PEDESTAL
FIRE HYDRANT	FIRE HYDRANT
WATER VALVE	WATER VALVE
REDUCER	REDUCER
AIR RELEASE VALVE	AIR RELEASE VALVE
ELECTRIC RISER BOX	ELECTRIC RISER BOX
MANHOLE	MANHOLE
POWER POLE W/ GUY	POWER POLE W/ GUY
CONTROL POINT	CONTROL POINT
FOUND IRON PIV/PIPE	FOUND IRON PIV/PIPE
R/W	R/W

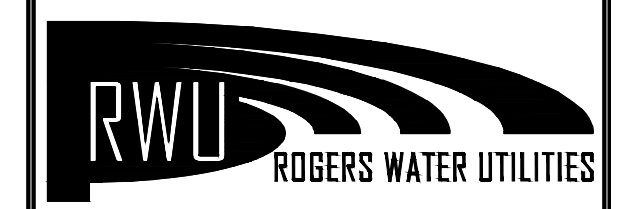
WATER LINE 1 STA 0+00 TO STA 3+23
SCALE: HORIZ 1"=20'



WATER LINE 1 STA 0+00 TO STA 3+23
SCALE: HORIZ 1"=20' / VERT 1"= 4'

2021 WATER EXTENSIONS & RELOCATIONS
OSAGE ROAD
STORM DRAIN & WATER RELOCATION

WATER LINE 1 RELOCATION
STA 0+00 TO STA 3+23



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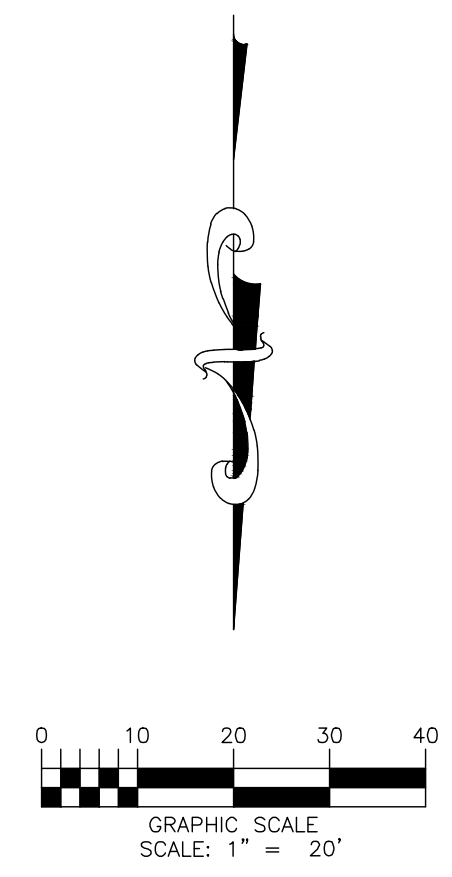
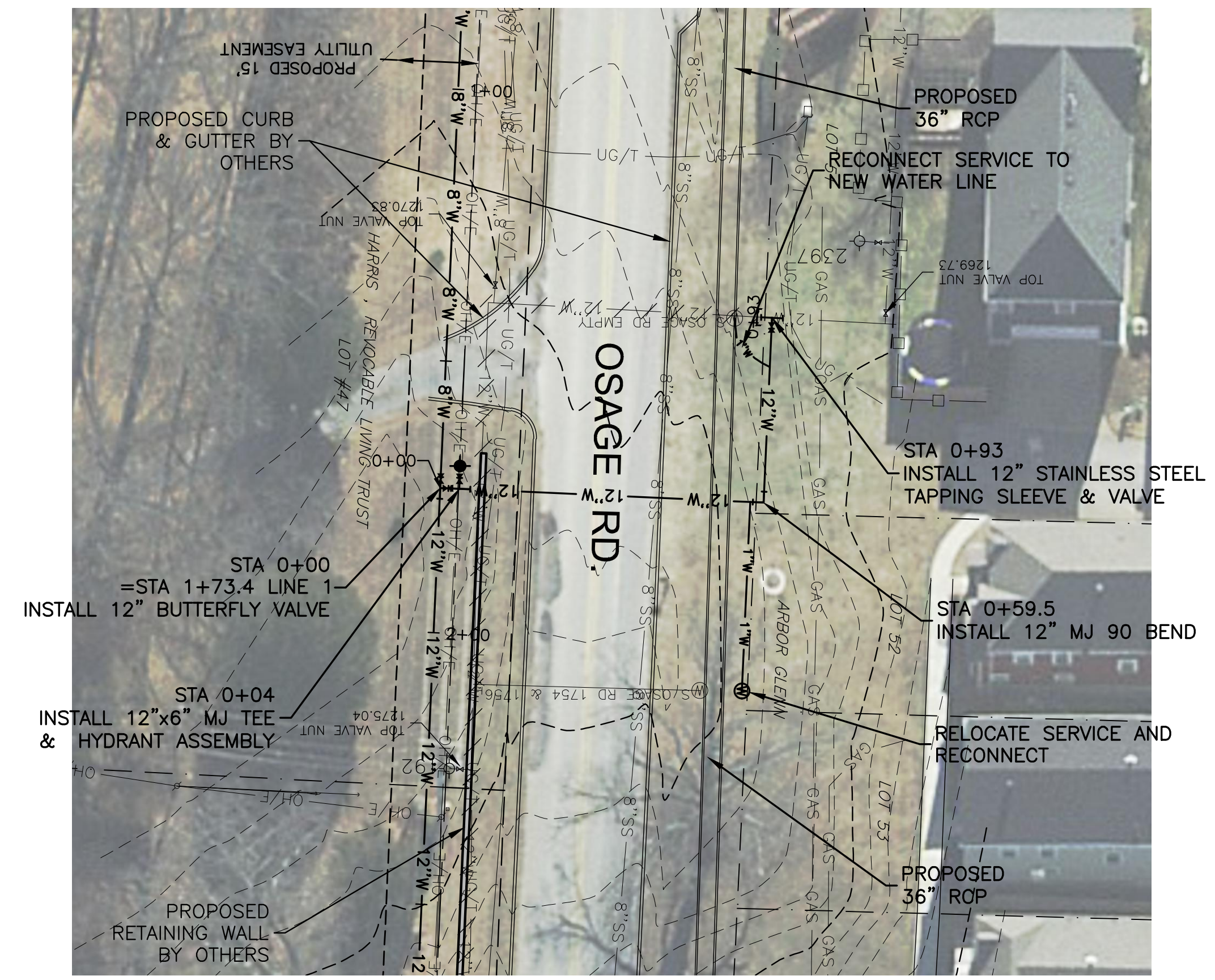
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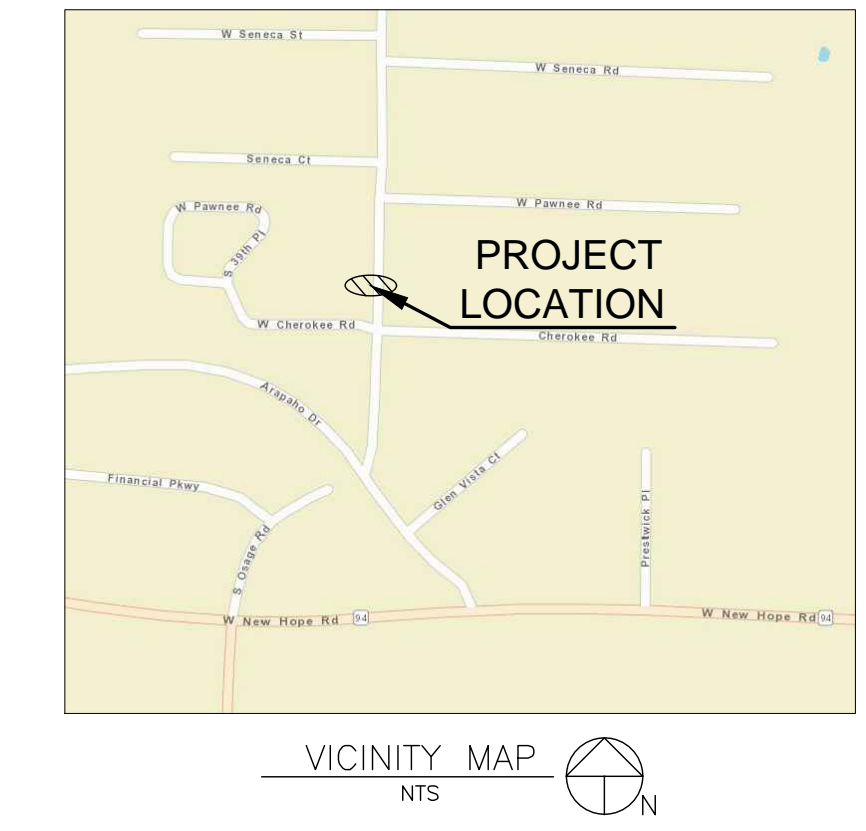


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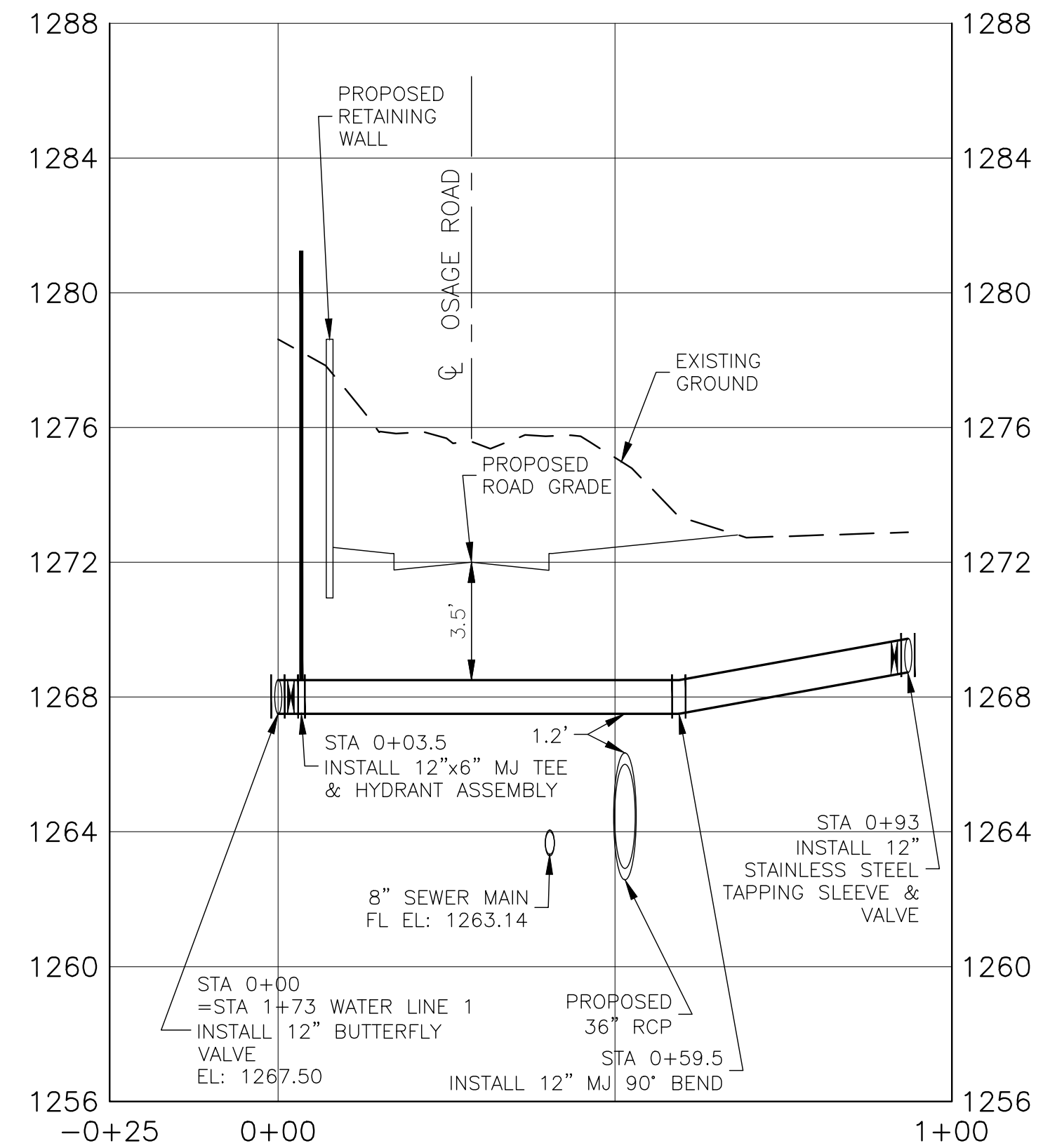
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WATER LINE 2 STA 0+00 TO STA 0+93
SCALE: HORIZ 1"=20'



LEGEND	
EXISTING	PROPOSED
8" W	WATER MAIN
36" W	GRAVITY SEWER MAIN
UG/T	UNDERGROUND TELEPHONE
UG/E	UNDERGROUND ELECTRIC
OH/E	OVERHEAD ELECTRIC
GAS	GAS MAIN
X	WIRE FENCE
○	CHAIN LINK FENCE
⊙	GAS METER
⊙	WATER METER
⊙	TELEPHONE PEDESTAL
⊙	FIRE HYDRANT
⊙	WATER VALVE
⊙	REDUCER
⊙	AIR RELEASE VALVE
⊙	ELECTRIC RISER BOX
⊙	MANHOLE
⊙	POWER POLE W/ GUY
△	CONTROL POINT
●	FOUND IRON PIN/PIPE
R/W	RIGHT-OF-WAY



WATER LINE 2 STA 0+00 TO STA 0+93
SCALE: HORIZ 1"=20' / VERT 1"= 4'

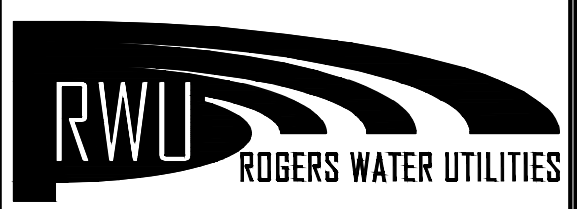


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2021 WATER EXTENSIONS & RELOCATIONS
OSAGE ROAD
STORM DRAIN & WATER RELOCATION

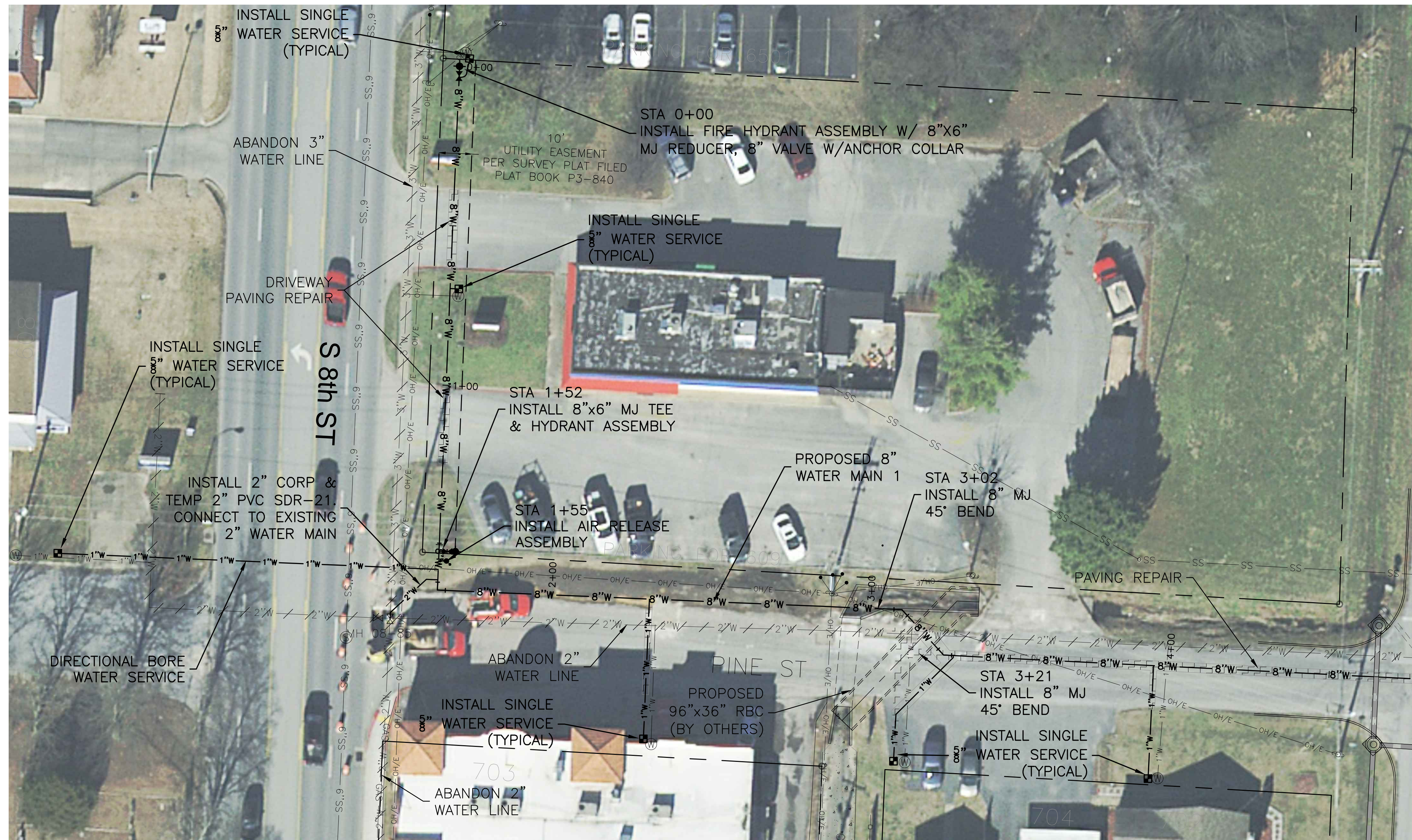
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STA 0+00 TO STA 0+93



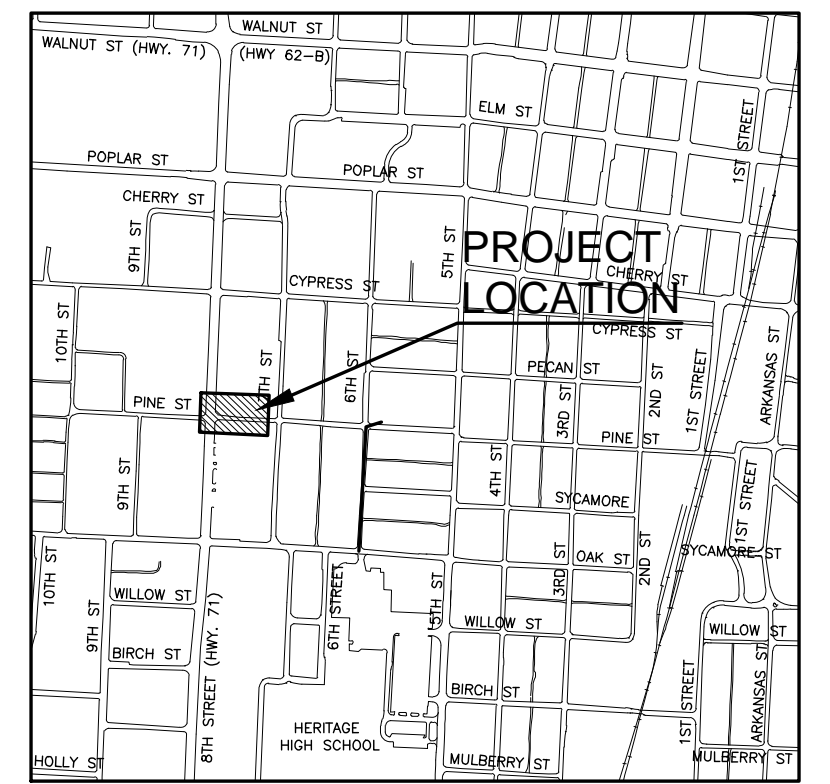
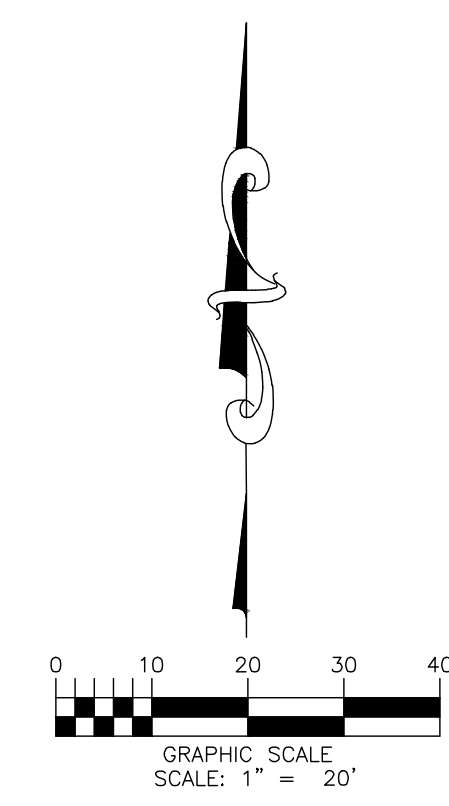
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CHECKED BY: ABS	PROJECT NUMBER:	



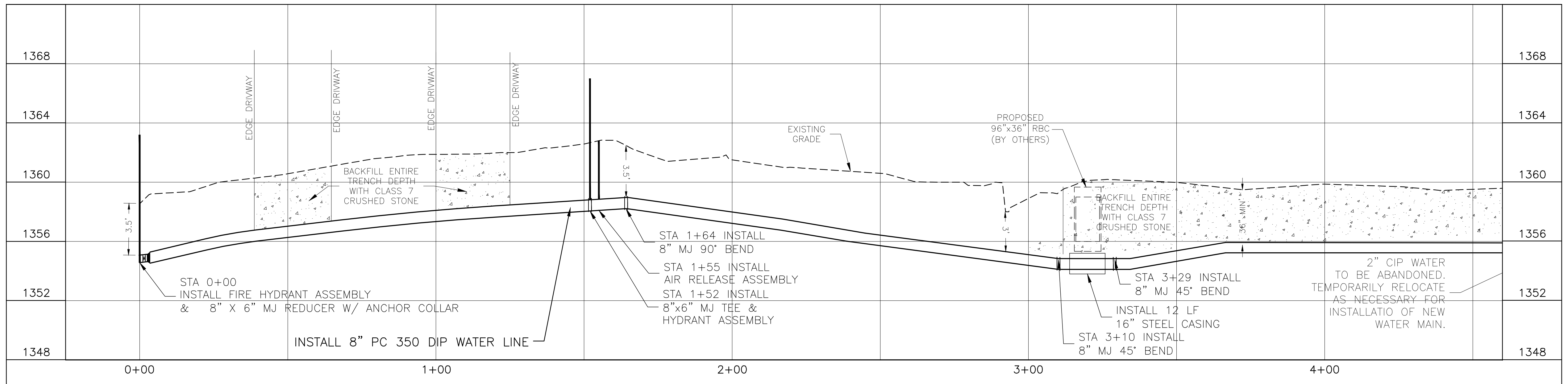
PLAN WATER MAIN 3 STA 0+00 TO 4+50
SCALE: 1"=20'



VICINITY MAP
SCALE: 1" = 1500'

EXISTING		PROPOSED	
8"W	WATER MAIN	8"W	WATER MAIN
8"SS	SEWER MAIN	8"SS	SEWER MAIN
W	WATER MAIN TO ABANDON		
UG/T	UNDERGROUND TELEPHONE		
UG/E	UNDERGROUND ELECTRIC		
OH/E	OVERHEAD ELECTRIC		
GS	GAS MAIN		
X	WIRE FENCE		
o	CHAIN LINK FENCE		
□	WOOD FENCE		
⊙	GAS METER		
⊙	WATER METER		
⊙	FIRE HYDRANT		
⊙	WATER VALVE		
⊙	AIR RELEASE		
⊙	MANHOLE		
⊙	POWER POLE		
⊙	POWER POLE W/ GUY		
⊙	CONTROL POINT		
⊙	FOUND IRON PIN/PIPE		
⊙	SIGN		
⊙	PAVING REPAIR		

- NOTES:
- THIS PLAN DOES NOT PROPORT TO SHOW THE LOCATIONS OF ALL UNDERGROUND UTILITIES AS PRECISE OR COMPLETE. THE CONTRACTOR SHALL VERIFY DEPTHS & LOCATIONS OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
 - LOCATIONS OF SERVICE CROSSINGS ARE SUBJECT TO FIELD CHANGES BY ROGERS WATER UTILITIES
 - THE CONTRACTOR SHALL ADHERE TO ALL RWU STANDARD DETAILS AND SPECIFICATIONS (LATEST EDITION) FOR WORK PERFORMED ON WATER & SEWER UTILITIES.
 - COORDINATE WITH THE ROGERS STREET DEPT. FOR STREET REPAIR AND STORM SEWER IMPROVEMENTS.



PROFILE WATER LINE 3 STA 0+00 TO 4+50
SCALE: HORIZ 1"=20' / VERT 1"= 2'



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2021 WATER EXTENSIONS & RELOCATIONS
W PINE STREET FROM 8TH STREET TO 5TH STREET
WATER LINE RELOCATION

PLAN & PROFILE
WATER LINE 3
STA 0+00 TO 4+50



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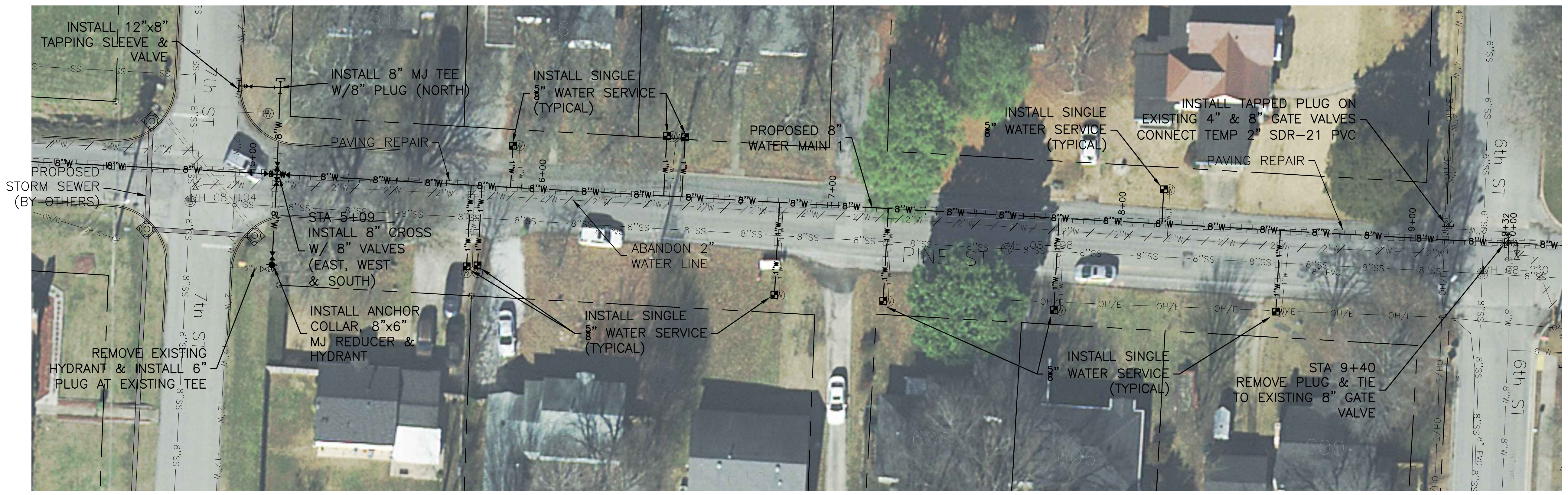
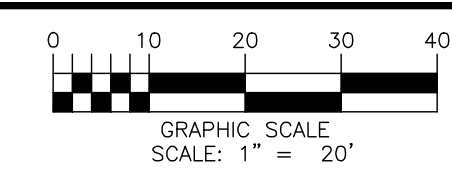


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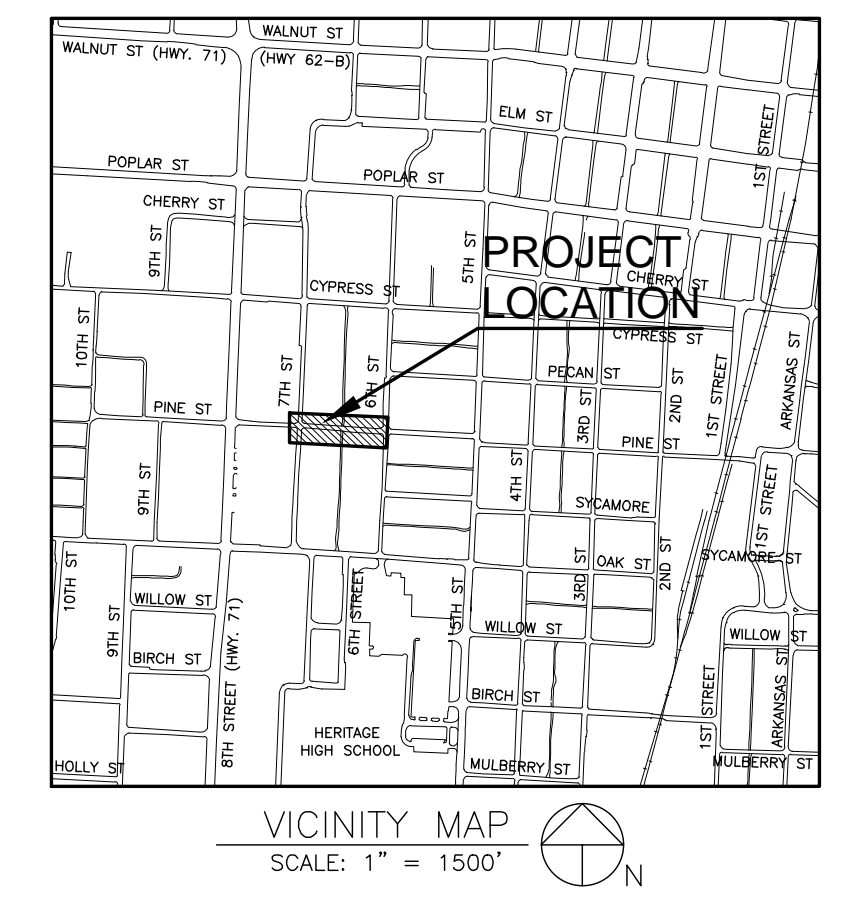
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CHECKED BY:	PROJECT NUMBER:	
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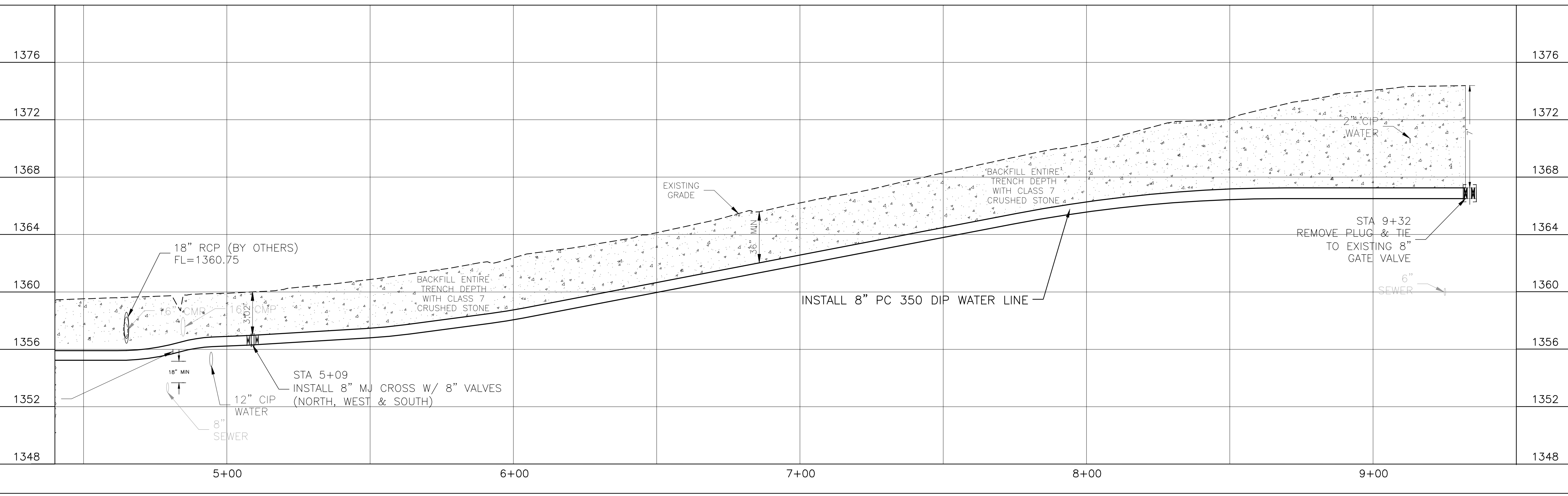


PLAN WATER MAIN 3 STA 4+50 TO 9+40
SCALE: 1"=20'



EXISTING		PROPOSED	
— 8" W	WATER MAIN	— 8" W	WATER MAIN
— 8" SS	SEWER MAIN	— 8" SS	SEWER MAIN
— 2" W	WATER MAIN TO ABANDON		
— UG/T	UNDERGROUND TELEPHONE		
— UG/E	UNDERGROUND ELECTRIC		
— OH/E	OVERHEAD ELECTRIC		
— G	GAS MAIN		
— W	WIRE FENCE		
— C	CHAIN LINK FENCE		
— W	WOOD FENCE		
— G	GAS METER		
— W	WATER METER		
— F	FIRE HYDRANT		
— V	VALVE		
— M	MANHOLE		
— P	POWER POLE		
— P/G	POWER POLE W/ GUY		
— C/P	CONTROL POINT		
— FIP	FOUND IRON PIN/PIPE		
— S	SIGN		
— PR	PAVING REPAIR		

- NOTES:
1. THIS PLAN DOES NOT PROPORT TO SHOW THE LOCATION OF ALL UNDERGROUND UTILITIES AS PRECISE OR COMPLETE. THE CONTRACTOR SHALL VERIFY DEPTHS & LOCATIONS OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
 2. LOCATIONS OF SERVICE CROSSINGS ARE SUBJECT TO FIELD CHANGES BY ROGERS WATER UTILITIES
 3. THE CONTRACTOR SHALL ADHERE TO ALL RWU STANDARD DETAILS AND SPECIFICATIONS (LATEST EDITION) FOR WORK PERFORMED ON WATER & SEWER UTILITIES.
 4. COORDINATE WITH THE ROGERS STREET DEPT. FOR STREET REPAIR AND STORM SEWER IMPROVEMENTS.



PROFILE WATER LINE 3 STA 4+50 TO 9+40
SCALE: HORIZ 1"=20' / VERT 1"= 2'



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2021 WATER EXTENSIONS & RELOCATIONS
W PINE STREET FROM 8TH STREET TO 5TH STREET
WATER LINE RELOCATION

PLAN & PROFILE
WATER LINE 3
STA 4+50 TO 9+40



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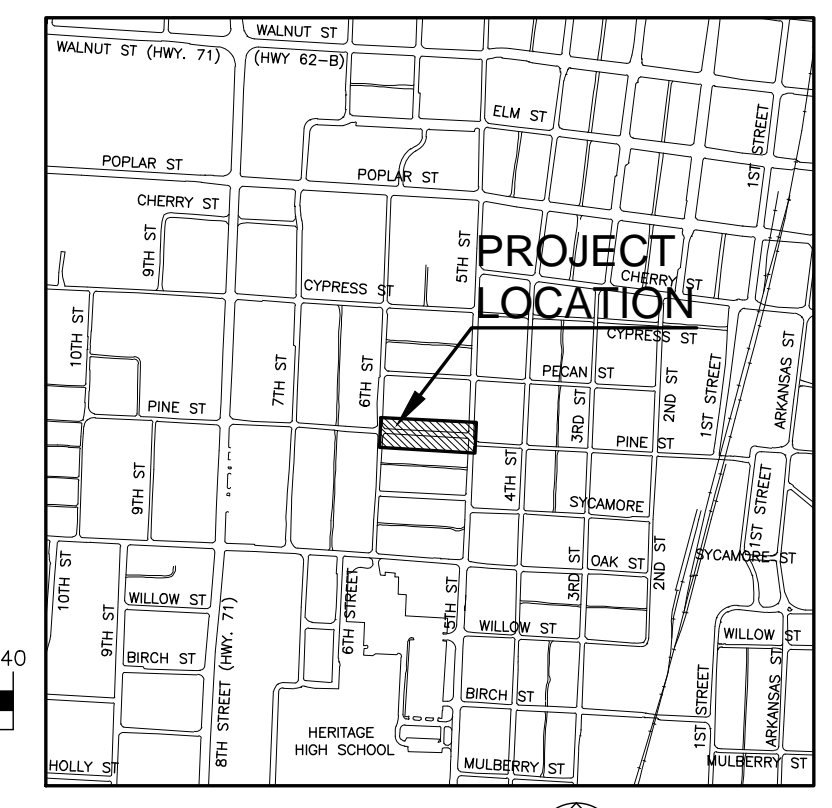
No.	DATE	REVISION	BY

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KRM	01/08/2021	6
CHECKED BY:	PROJECT NUMBER:	
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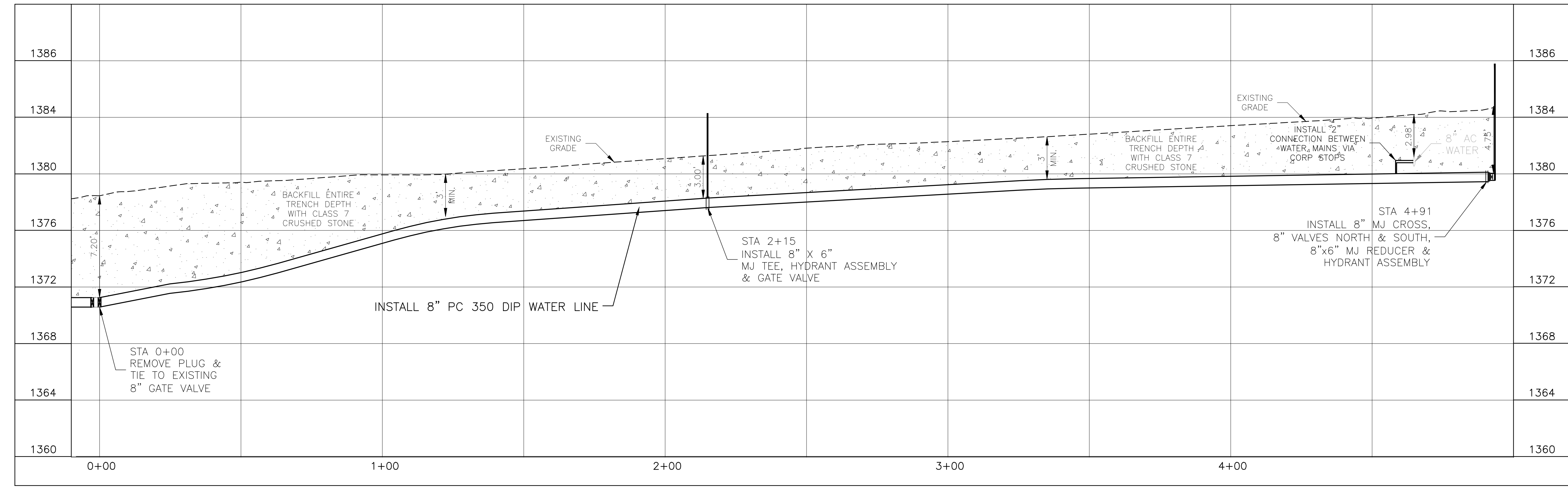


PLAN WATER MAIN 4 STA 0+00 TO 4+91
SCALE: 1"=20'



LEGEND	
EXISTING	PROPOSED
8"W	WATER MAIN
8"SS	SEWER MAIN
2"UT	WATER MAIN TO ABANDON
UG/T	UNDERGROUND TELEPHONE
UG/E	UNDERGROUND ELECTRIC
OH/E	OVERHEAD ELECTRIC
—	GAS MAIN
x	WIRE FENCE
o	CHAIN LINK FENCE
o	WOOD FENCE
o	GAS METER
o	WATER METER
o	FIRE HYDRANT
o	WATER VALVE
o	MANHOLE
o	POWER POLE
o	POWER POLE W/ GUY
o	CONTROL POINT
o	FOUND IRON PIN/PIPE
o	SIGN
o	PAVING REPAIR

- NOTES:
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 3. THE CONTRACTOR SHALL ADHERE TO ALL RWU STANDARD DETAILS AND SPECIFICATIONS (LATEST EDITION) FOR WORK PERFORMED ON WATER & SEWER UTILITIES.
 4. COORDINATE WITH THE ROGERS STREET DEPT. FOR STREET REPAIR AND STORM SEWER IMPROVEMENTS.



PROFILE WATER LINE 4 STA 0+00 TO 4+91
SCALE: HORIZ 1"=20' / VERT 1"= 2'

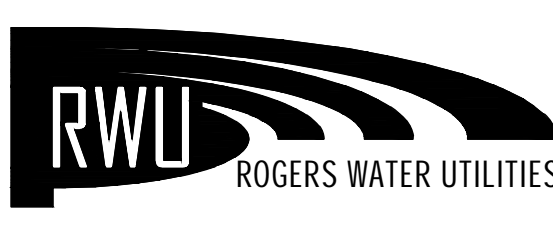


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2021 WATER EXTENSIONS & RELOCATIONS
W PINE STREET FROM 8TH STREET TO 5TH STREET
WATER LINE RELOCATION

PLAN & PROFILE
WATER LINE 4
STA 0+00 TO 4+91

FOR BID ONLY
NOT FOR CONSTRUCTION
STATE OF ARKANSAS
BRIAN T. SARTAIN
NO. 14052



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OFFICE - 601 SOUTH 2ND ROGERS, ARKANSAS
72757-0338

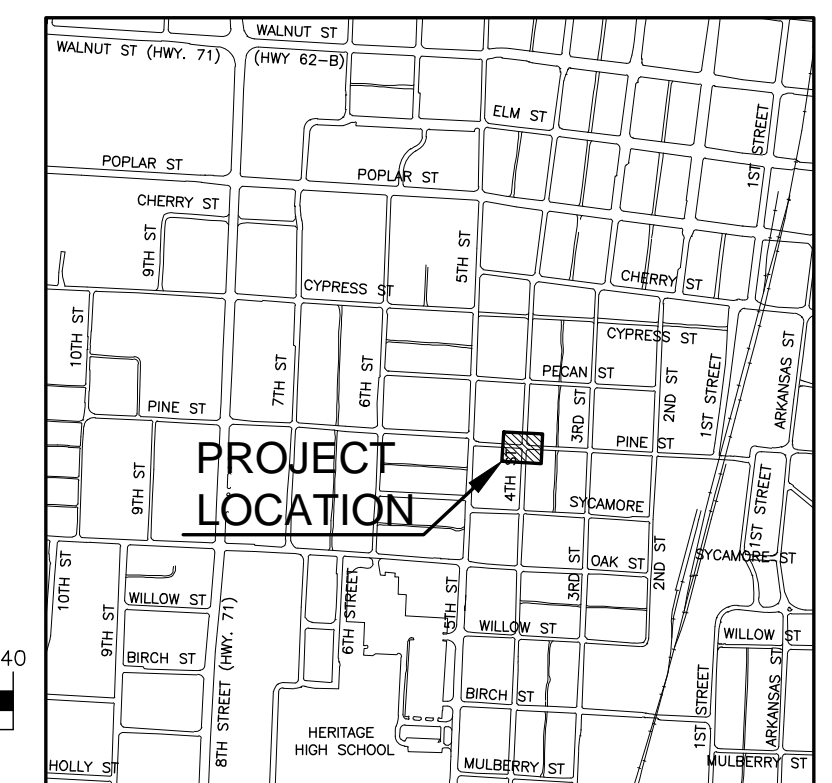
No.	DATE	REVISION	BY

DRAWN BY:	DATE:	SHEET NO.
KRM	01/08/2021	7
CHECKED BY:	PROJECT NUMBER:	
BTS		

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PLAN WATER REPAIR @ PINE & 4TH
SCALE: 1"=20'



EXISTING		LEGEND		PROPOSED	
8"W	WATER MAIN	8"W	WATER MAIN	8"W	WATER MAIN
8"SS	SEWER MAIN	8"SS	SEWER MAIN	8"SS	SEWER MAIN
2"X	WATER MAIN TO ABANDON	2"X	UNDERGROUND TELEPHONE	2"X	UNDERGROUND TELEPHONE
UG/T	UNDERGROUND TELEPHONE	UG/E	UNDERGROUND ELECTRIC	UG/E	UNDERGROUND ELECTRIC
OH/E	OVERHEAD ELECTRIC	GAS	GAS MAIN	GAS	GAS MAIN
X	WIRE FENCE	W	WOOD FENCE	W	WOOD FENCE
o	CHAIN LINK FENCE	G	GAS METER	G	GAS METER
o	WOOD FENCE	W	WATER METER	W	WATER METER
o	WIRE FENCE	F	FIRE HYDRANT	F	FIRE HYDRANT
o	CHAIN LINK FENCE	V	VALVE	V	VALVE
o	WOOD FENCE	M	MANHOLE	M	MANHOLE
o	WIRE FENCE	P	POWER POLE W/ GUY	P	POWER POLE W/ GUY
o	CHAIN LINK FENCE	C	CONTROL POINT	C	CONTROL POINT
o	WOOD FENCE	F	FOUND IRON PIN/PIPE	F	FOUND IRON PIN/PIPE
o	WIRE FENCE	S	SIGN	S	SIGN
o	CHAIN LINK FENCE	R	PAVING REPAIR	R	PAVING REPAIR

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2021 WATER EXTENSIONS & RELOCATIONS
W PINE STREET FROM 8TH STREET TO 4TH STREET
WATER LINE RELOCATION

WATER REPAIR
AT PINE STREET
& 4TH STREET



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No.	DATE	REVISION	BY

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KRM	01/08/2021	8
CHECKED BY:	PROJECT NUMBER:	
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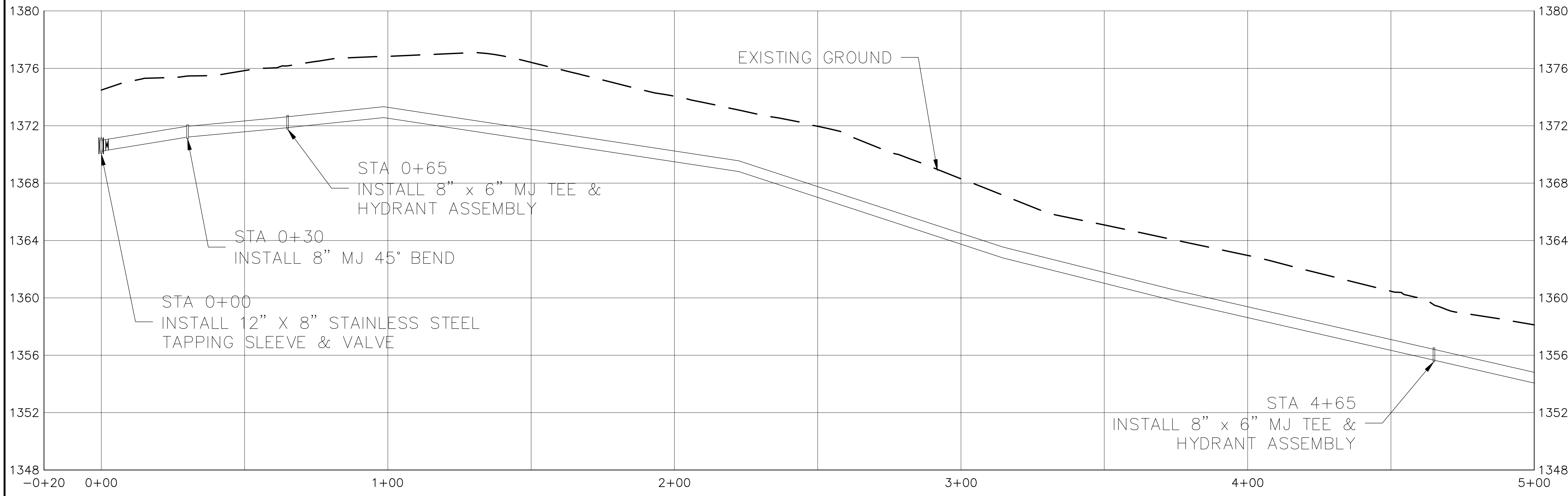
PLAN WATER MAIN 5 STA 0+00 TO 5+00
SCALE: 1"=20'

LEGEND

EXISTING	PROPOSED
W	WATER MAIN
2"W	WATER MAIN TO ABANDON
SS	GRAVITY SEWER MAIN
FM	SEWER FORCE MAIN
UG/T	UNDERGROUND TELEPHONE
UG/E	UNDERGROUND ELECTRIC
OH/E	OVERHEAD ELECTRIC
GAS	GAS MAIN
X	WIRE FENCE
O	METAL FENCE
□	WOOD FENCE
⊕	GAS METER
⊕	WATER METER
⊕	TELEPHONE PEDESTAL
⊕	FIRE HYDRANT
⊕	WATER VALVE
⊕	REDUCER
⊕	AIR RELEASE VALVE
⊕	ELECTRIC RISER BOX
⊕	MANHOLE
⊕	POWER POLE W/ GUY
⊕	CONTROL POINT
⊕	FOUND IRON PIN/PIPE
---	RIGHT-OF-WAY
---	EASEMENT



- GENERAL NOTES**
1. WATER SERVICE LOCATION IS SUBJECT TO CHANGE.
 2. PROTECT TREES WHEN POSSIBLE. REMOVE TREES AS NEEDED TO INSTALL WATER MAIN.



PROFILE WATER LINE 5 STA 0+00 TO 5+00
SCALE: HORIZ 1"=20' / VERT 1"= 4'

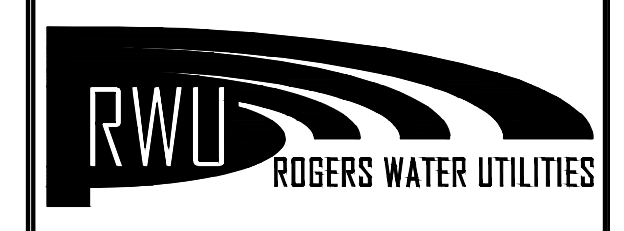


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2021 WATER LINE EXTENSIONS & REPLACEMENTS
PEARL STREET
WATER LINE
REPLACEMENT

PEARL STREET
WATER LINE 5
STA 0+00 TO STA 5+00



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72757-0338

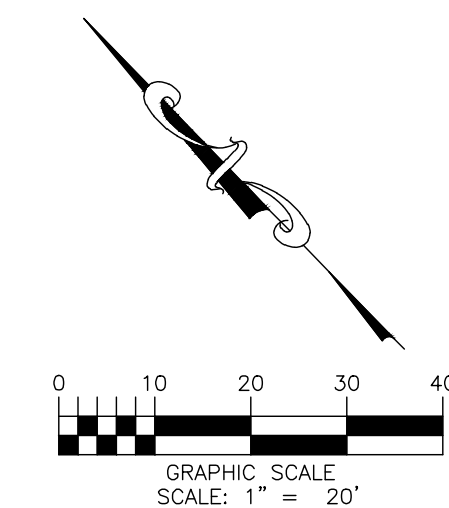
No.	DATE	REVISION	BY

DRAWN BY: KRM	DATE: 01/08/2021	SHEET NO. 9
CHECKED BY:	PROJECT NUMBER:	

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PLAN WATER MAIN 5 STA 5+00 TO 10+00
SCALE: 1"=20'



EXISTING	LEGEND	PROPOSED
W	WATER MAIN	8" W
2"W	WATER MAIN TO ABANDON	8" SS
SS	GRAVITY SEWER MAIN	
FM	SEWER FORCE MAIN	
UG/T	UNDERGROUND TELEPHONE	
UG/E	UNDERGROUND ELECTRIC	
OH/E	OVERHEAD ELECTRIC	
GAS	GAS MAIN	
X	WIRE FENCE	
O	METAL FENCE	
D	WOOD FENCE	
⊕	GAS METER	
⊕	WATER METER	
⊕	TELEPHONE PEDESTAL	
⊕	FIRE HYDRANT	
⊕	WATER VALVE	
⊕	REDUCER	
⊕	AIR RELEASE VALVE	
⊕	ELECTRIC RISER BOX	
⊕	MANHOLE	
⊕	POWER POLE W/ GUY	
⊕	CONTROL POINT	
⊕	FOUND IRON PIN/PIPE	
---	RIGHT-OF-WAY	
---	EASEMENT	

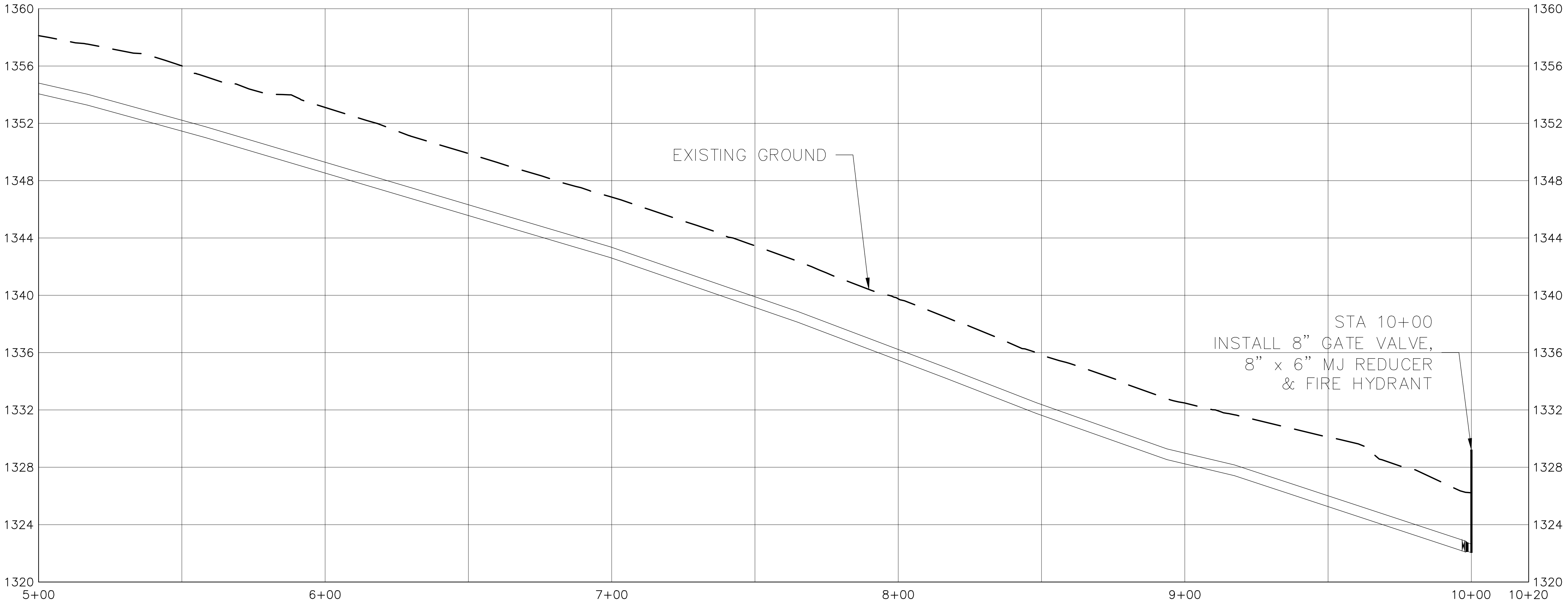


GENERAL NOTES

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PROFILE WATER LINE 5 STA 5+00 TO 10+00
SCALE: HORIZ 1"=20' / VERT 1"= 4'



2021 WATER LINE EXTENSIONS & REPLACEMENTS
PEARL STREET
WATER LINE
REPLACEMENT

PEARL STREET
WATER LINE 5
STA 5+00 TO STA 10+00



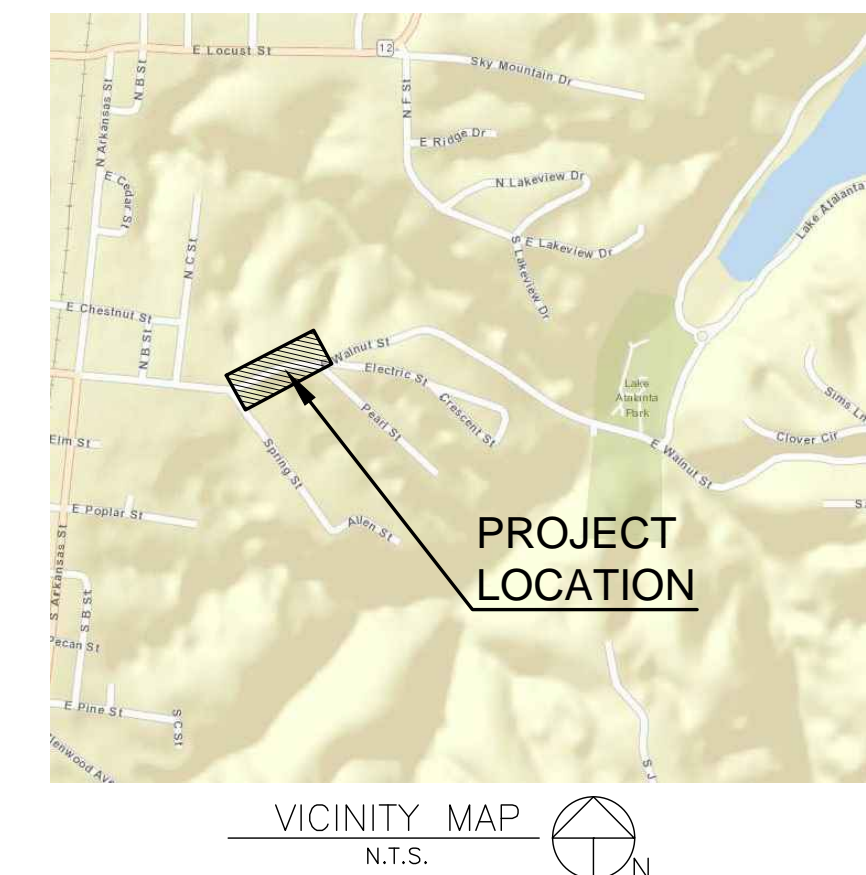
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72757-0338

No.	DATE	REVISION	BY

DRAWN BY: KRM	DATE: 01/08/2021	SHEET NO. 10
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EXISTING	LEGEND	PROPOSED
W	WATER MAIN	8" W
2"W	WATER MAIN TO ABANDON	8" SS
SS	GRAVITY SEWER MAIN	
FM	SEWER FORCE MAIN	
UG/T	UNDERGROUND TELEPHONE	
UG/E	UNDERGROUND ELECTRIC	
OH/E	OVERHEAD ELECTRIC	
GAS	GAS MAIN	
X	WIRE FENCE	
O	METAL FENCE	
□	WOOD FENCE	
⊕	GAS METER	
⊕	WATER METER	
⊕	TELEPHONE PEDESTAL	
⊕	FIRE HYDRANT	
⊕	WATER VALVE	
⊕	REDUCER	
⊕	AIR RELEASE VALVE	
⊕	ELECTRIC RISER BOX	
⊕	MANHOLE	
⊕	POWER POLE W/ GUY	
⊕	CONTROL POINT	
⊕	FOUND IRON PIN/PIPE	
---	RIGHT-OF-WAY	
---	EASEMENT	



GENERAL NOTES

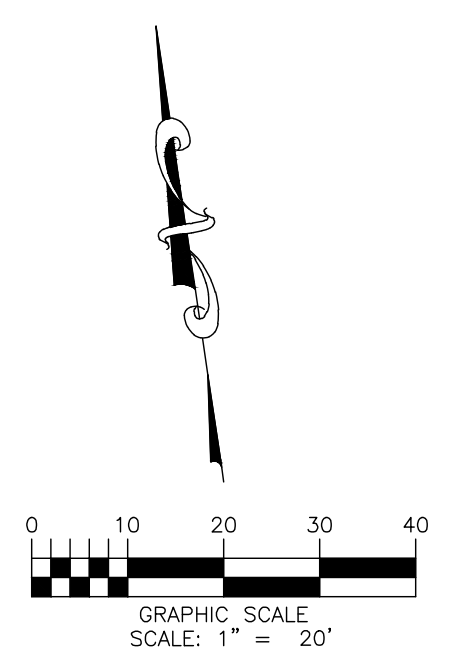
1. WATER SERVICE LOCATION IS SUBJECT TO CHANGE.
2. PROTECT TREES WHEN POSSIBLE. REMOVE TREES AS NEEDED TO INSTALL WATER MAIN.



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PLAN – MOVE WATER SERVICES FROM 6" MAIN TO 12" MAIN ON WALNUT STREET
 SCALE: 1"=20'



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 CONSTRUCTION**
 NO.14052
 BRIAN T. SARTAIN

**2021 WATER LINE EXTENSIONS & REPLACEMENTS
 PEARL STREET WATER LINE REPLACEMENT
 MOVE WATER SERVICES FROM 6" MAIN TO 12" MAIN ON WALNUT STREET**

**WALNUT STREET
 MOVE SERVICE LINES**



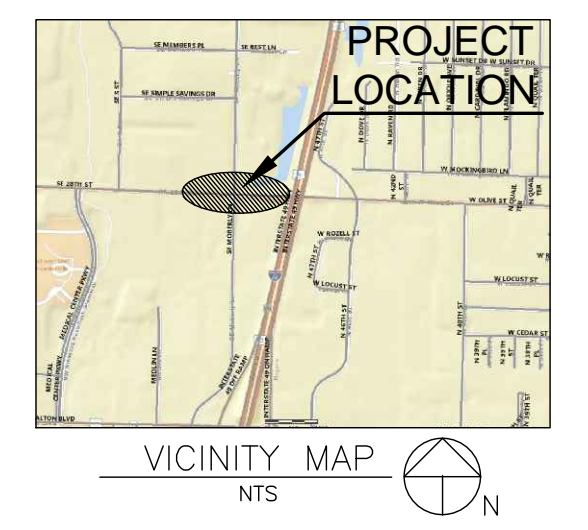
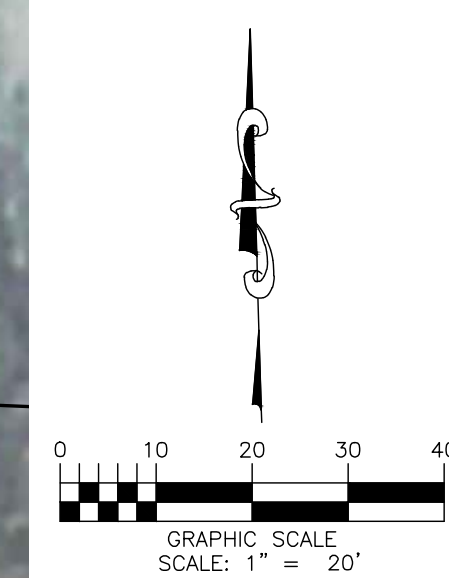
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No.	DATE	REVISION	BY

DRAWN BY: KRM	DATE: 01/08/2021	SHEET NO. 11
CHECKED BY:	PROJECT NUMBER:	

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EXISTING		PROPOSED	
—	WATER MAIN	—	WATER MAIN
—	GRAVITY SEWER MAIN	—	GRAVITY SEWER MAIN
—	UNDERGROUND TELEPHONE	—	UNDERGROUND TELEPHONE
—	UNDERGROUND ELECTRIC	—	UNDERGROUND ELECTRIC
—	UNDERGROUND GAS	—	UNDERGROUND GAS
—	WIRE FENCE	—	WIRE FENCE
—	CHAIN LINK FENCE	—	CHAIN LINK FENCE
—	GAS METER	—	GAS METER
—	WATER METER	—	WATER METER
—	TELEPHONE PIEDestal	—	TELEPHONE PIEDestal
—	FIRE HYDRANT	—	FIRE HYDRANT
—	WATER VALVE	—	WATER VALVE
—	REDUCER	—	REDUCER
—	AIR RELEASE VALVE	—	AIR RELEASE VALVE
—	ELECTRIC RISER BOX	—	ELECTRIC RISER BOX
—	MANHOLE	—	MANHOLE
—	POWER POLE W/ GUY	—	POWER POLE W/ GUY
—	CONTROL POINT	—	CONTROL POINT
—	FOUND IRON PIP/PIPE	—	FOUND IRON PIP/PIPE
—	RIGHT-OF-WAY	—	RIGHT-OF-WAY

GENERAL NOTES

1. WATER SERVICE LOCATION IS SUBJECT TO CHANGE.
2. PROTECT TREES WHEN POSSIBLE. REMOVE TREES AS NEEDED TO INSTALL WATER MAIN.

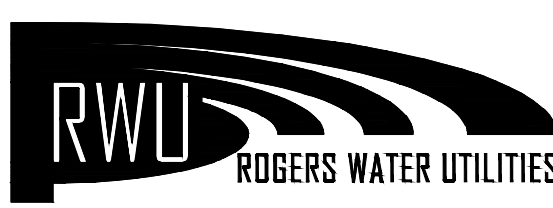


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2021 WATER LINE EXTENSIONS & REPLACEMENTS
MOBERLY METERING STATION
RECOMMISSIONING

MOBERLY METERING STATION
UTILITY PLAN

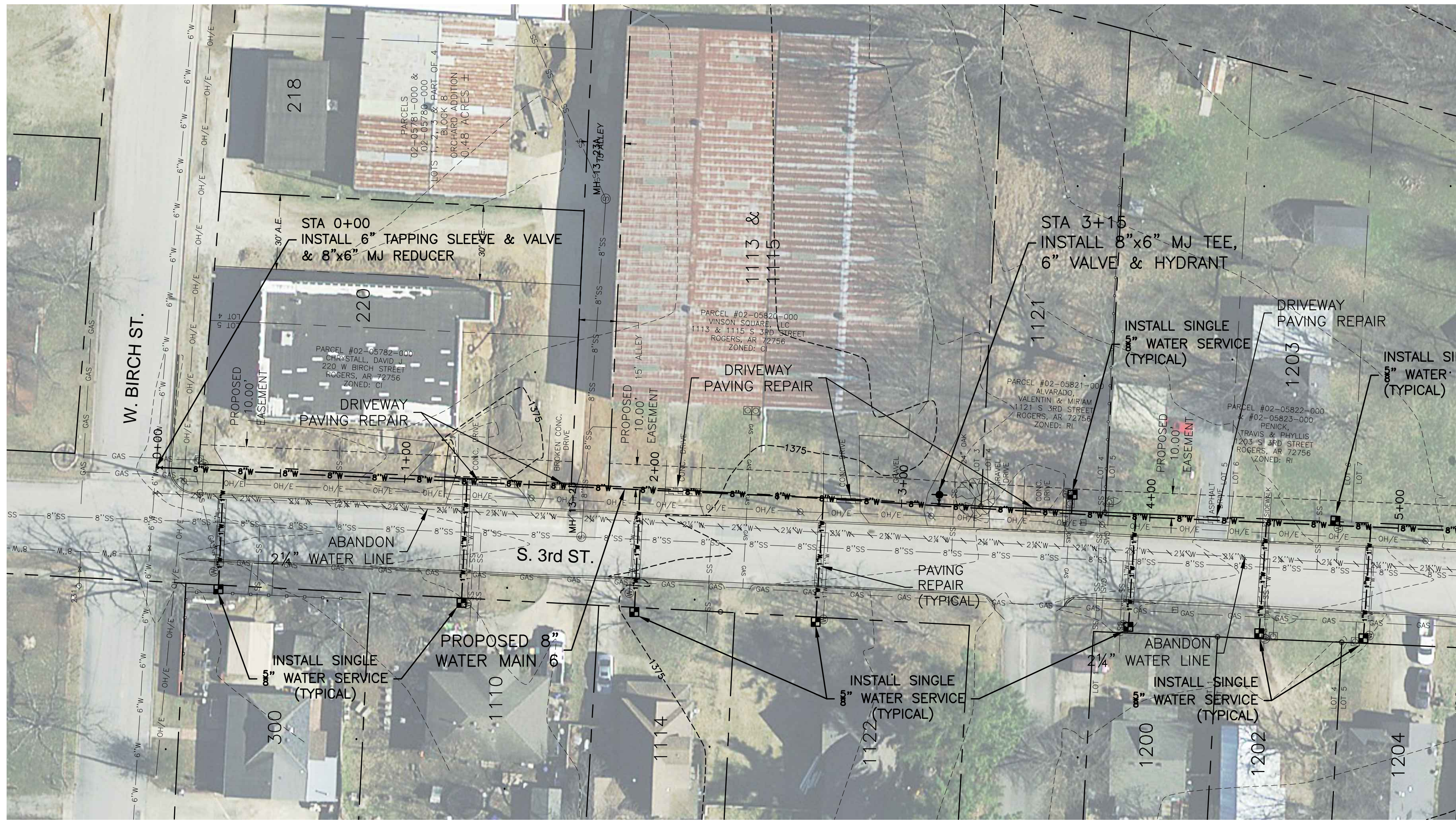


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SITE & UTILITY PLAN
SCALE: 1"=10'

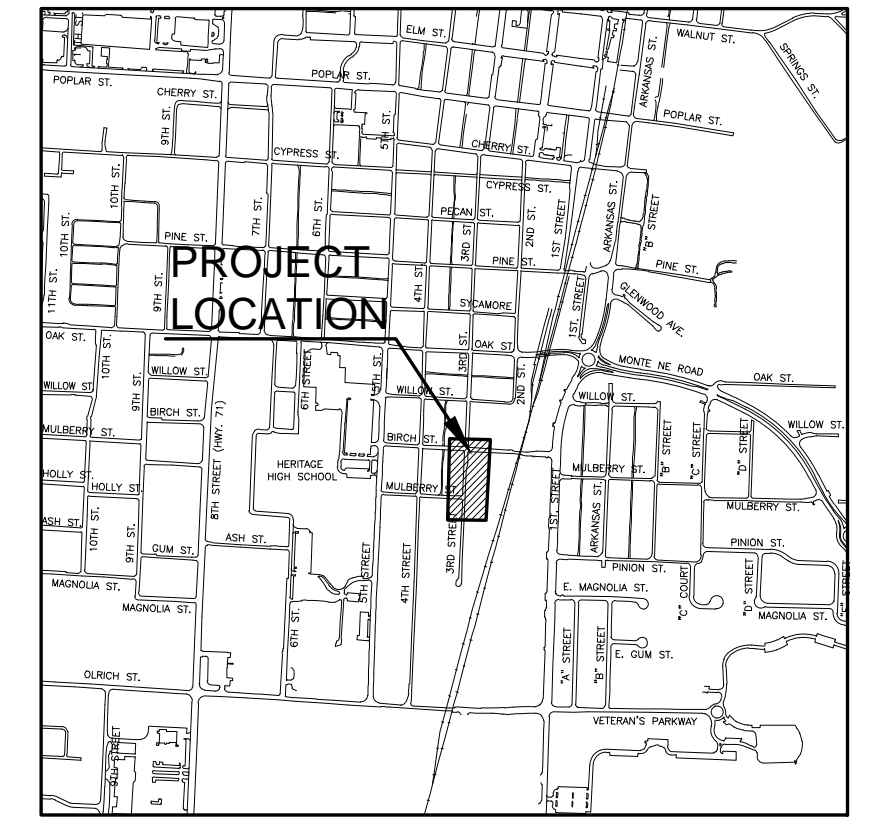
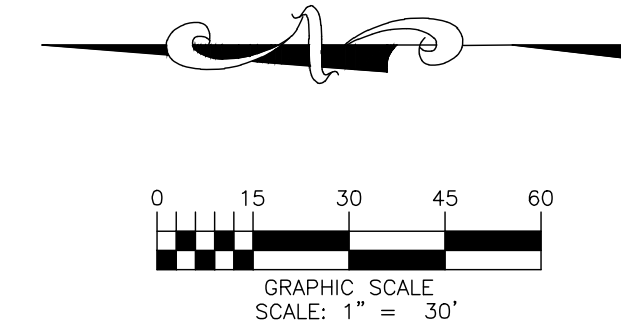
NO.	DATE	REVISION	BY

DRAWN BY:	DATE:	SHEET NO.
KRM	03/15/2021	12
CHECKED BY:	PROJECT NUMBER:	



PLAN WATER MAIN 6 STA 0+00 TO 5+00

SCALE: 1"=30'

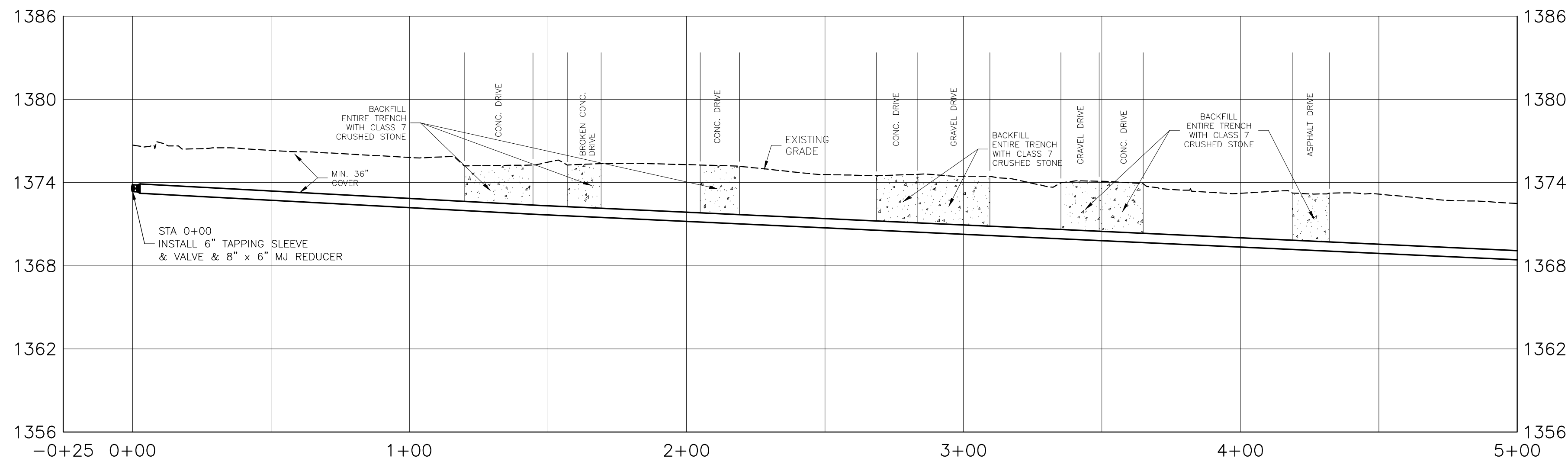


VICINITY MAP
SCALE: 1" = 1500'

LEGEND	
EXISTING	PROPOSED
8"W	8"W WATER MAIN
8"SS	8"SS SEWER MAIN
SS	SS SEWER SERVICE
2"W	2"W WATER MAIN TO ABANDON
UG/T	UG/T UNDERGROUND TELEPHONE
UG/E	UG/E UNDERGROUND ELECTRIC
OH/E	OH/E OVERHEAD ELECTRIC
GAS	GAS MAIN
W	WIRE FENCE
X	CHAIN LINK FENCE
D	WOOD FENCE
G	GAS METER
III	TELEPHONE PEDESTAL
⊙	WATER METER
⊙	FIRE HYDRANT
⊙	WATER VALVE
⊙	AIR RELEASE
⊙	MANHOLE
⊙	POWER POLE
⊙	POWER POLE W/ GUY
⊙	CONTROL POINT
⊙	FOUND IRON PIN/PIPE
⊙	SIGN
⊙	PAVING REPAIR

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PROFILE WATER LINE 6 STA 0+00 TO 5+00

SCALE: HORIZ 1"=30' / VERT 1"= 6'



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2021 WATER EXTENSIONS & RELOCATIONS
S 3RD STREET AND W BIRCH STREET

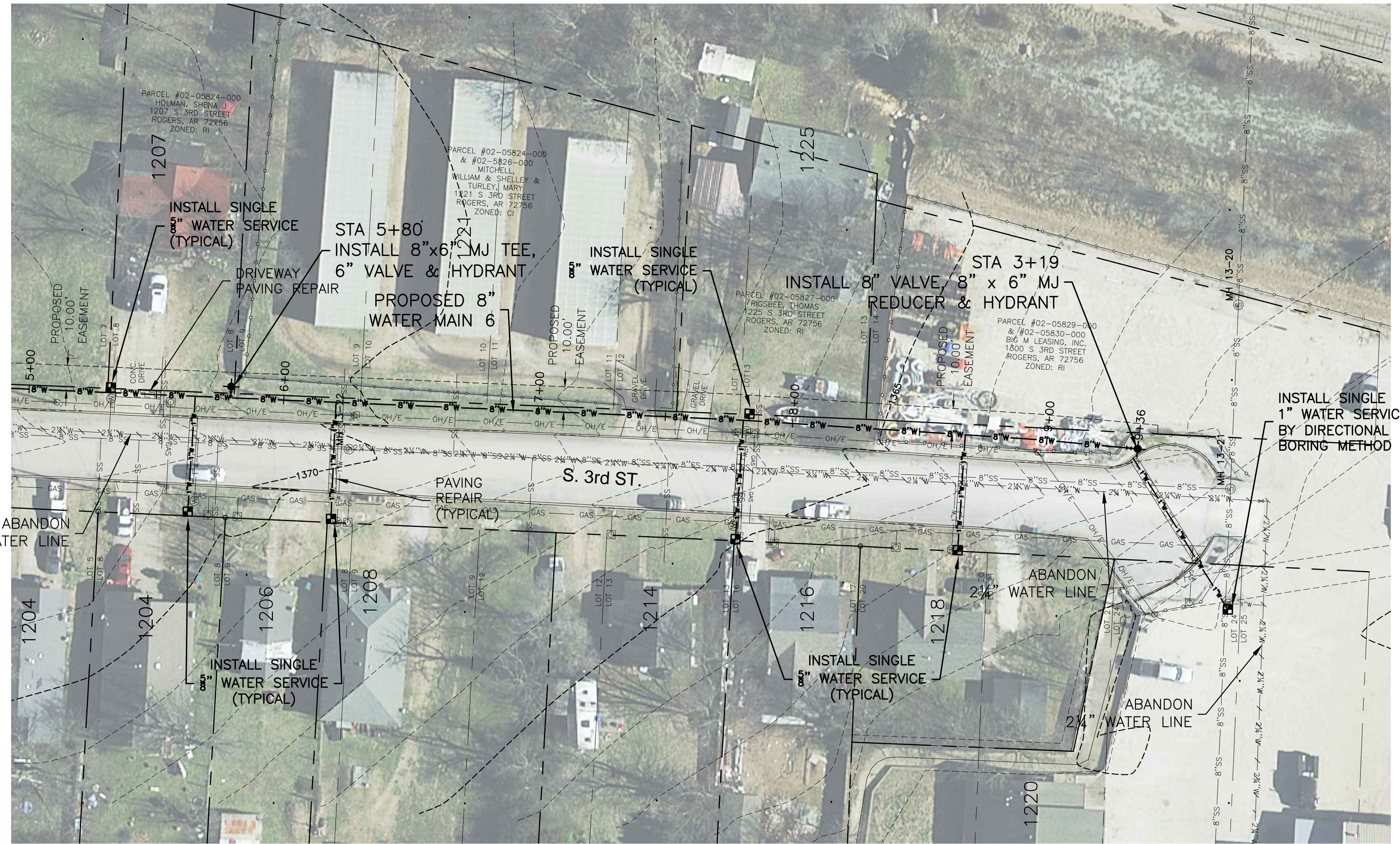
PLAN & PROFILE
WATER LINE 6
STA 0+00 TO 5+00



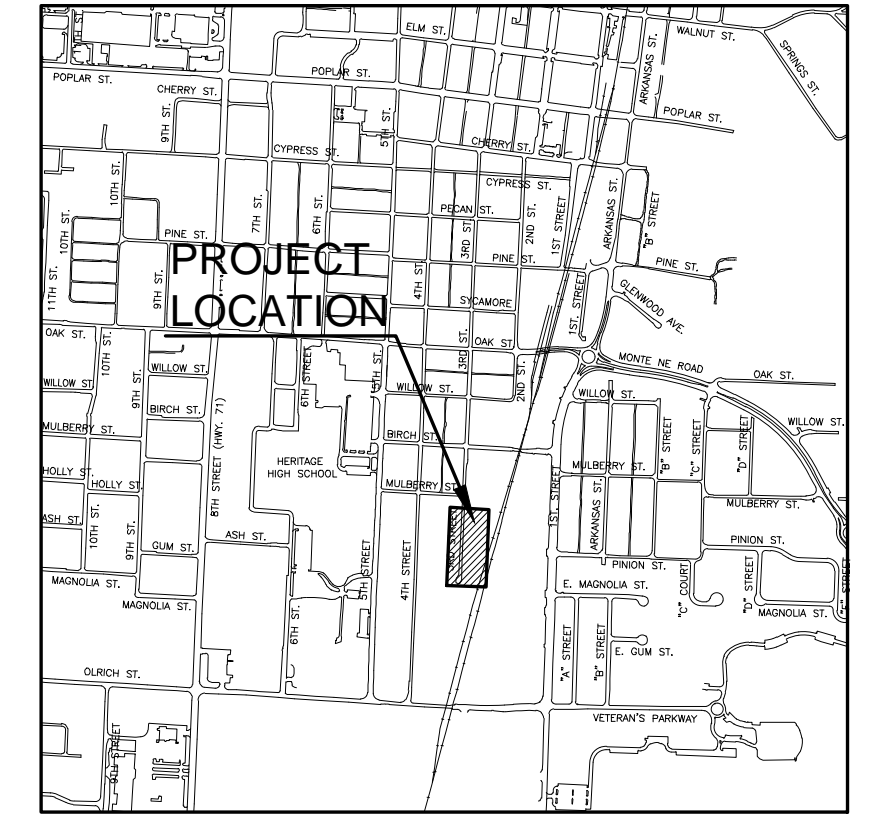
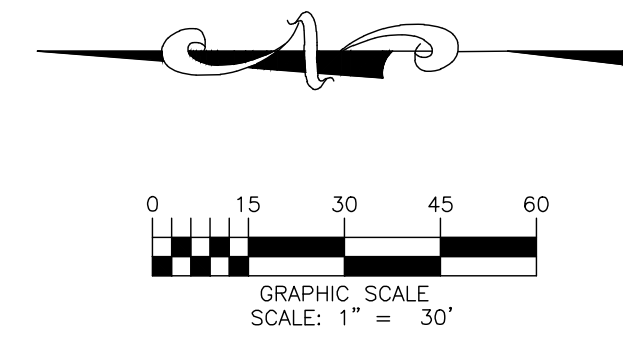
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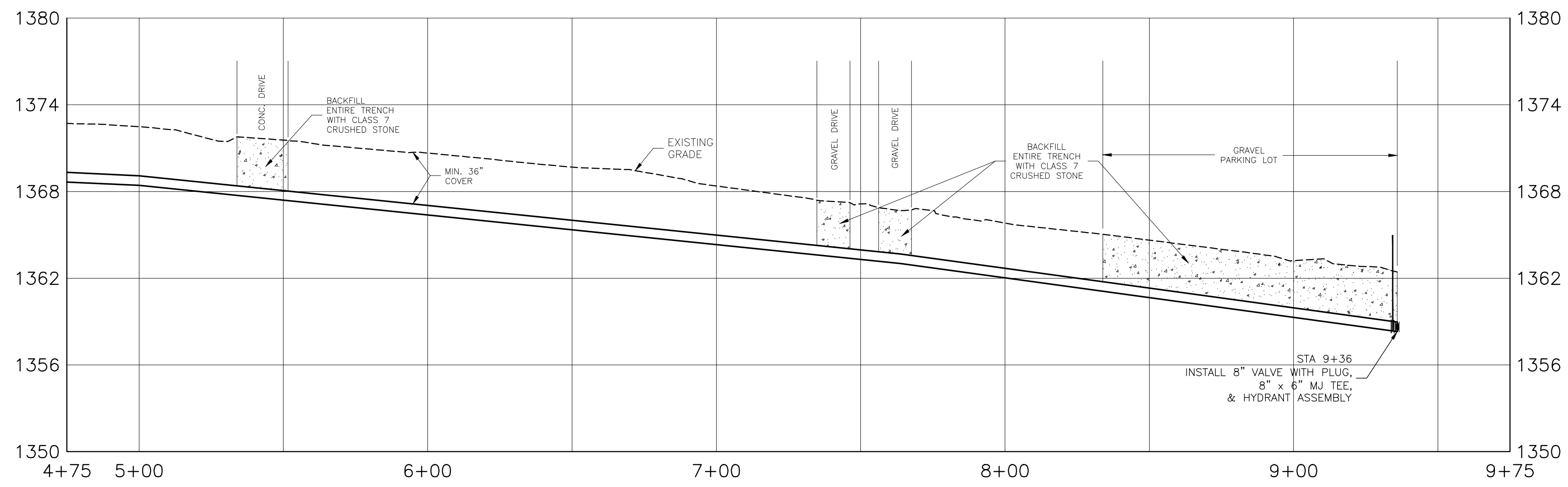


PLAN WATER MAIN 6 STA 5+00 TO 9+36
SCALE: 1"=30'



LEGEND	
EXISTING	PROPOSED
— 8"W —	— 8"W —
— 8"SS —	— 8"SS —
— SS —	— SS —
— 2"U/T —	— 2"U/T —
— UG/E —	— UG/E —
— OH/E —	— OH/E —
— GAS —	— GAS —
— WIRE FENCE —	— WIRE FENCE —
— CHAIN LINK FENCE —	— CHAIN LINK FENCE —
— WOOD FENCE —	— WOOD FENCE —
— GAS METER —	— GAS METER —
— TELEPHONE PEDESTAL —	— TELEPHONE PEDESTAL —
— WATER METER —	— WATER METER —
— FIRE HYDRANT —	— FIRE HYDRANT —
— WATER VALVE —	— WATER VALVE —
— AIR RELEASE —	— AIR RELEASE —
— MANHOLE —	— MANHOLE —
— POWER POLE —	— POWER POLE —
— POWER POLE W/ GUY —	— POWER POLE W/ GUY —
— CONTROL POINT —	— CONTROL POINT —
— FOUND IRON PIN/PIPE —	— FOUND IRON PIN/PIPE —
— SIGN —	— SIGN —
— PAVING REPAIR —	— PAVING REPAIR —

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PROFILE WATER LINE 6 STA 5+00 TO 9+36
SCALE: HORIZ 1"=30' / VERT 1"= 6'



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2021 WATER EXTENSIONS & RELOCATIONS
S 3RD STREET AND W BIRCH STREET

PLAN & PROFILE
WATER LINE 6
STA 5+00 TO 9+36

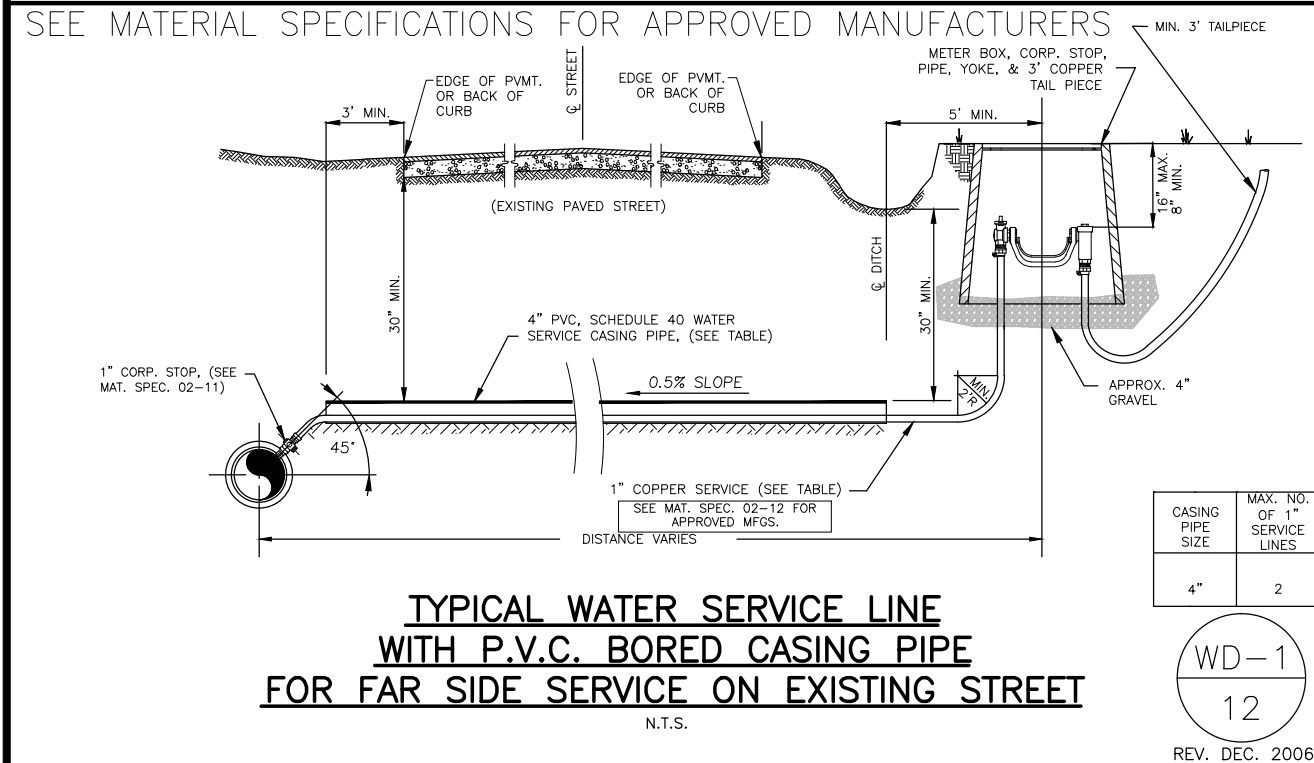
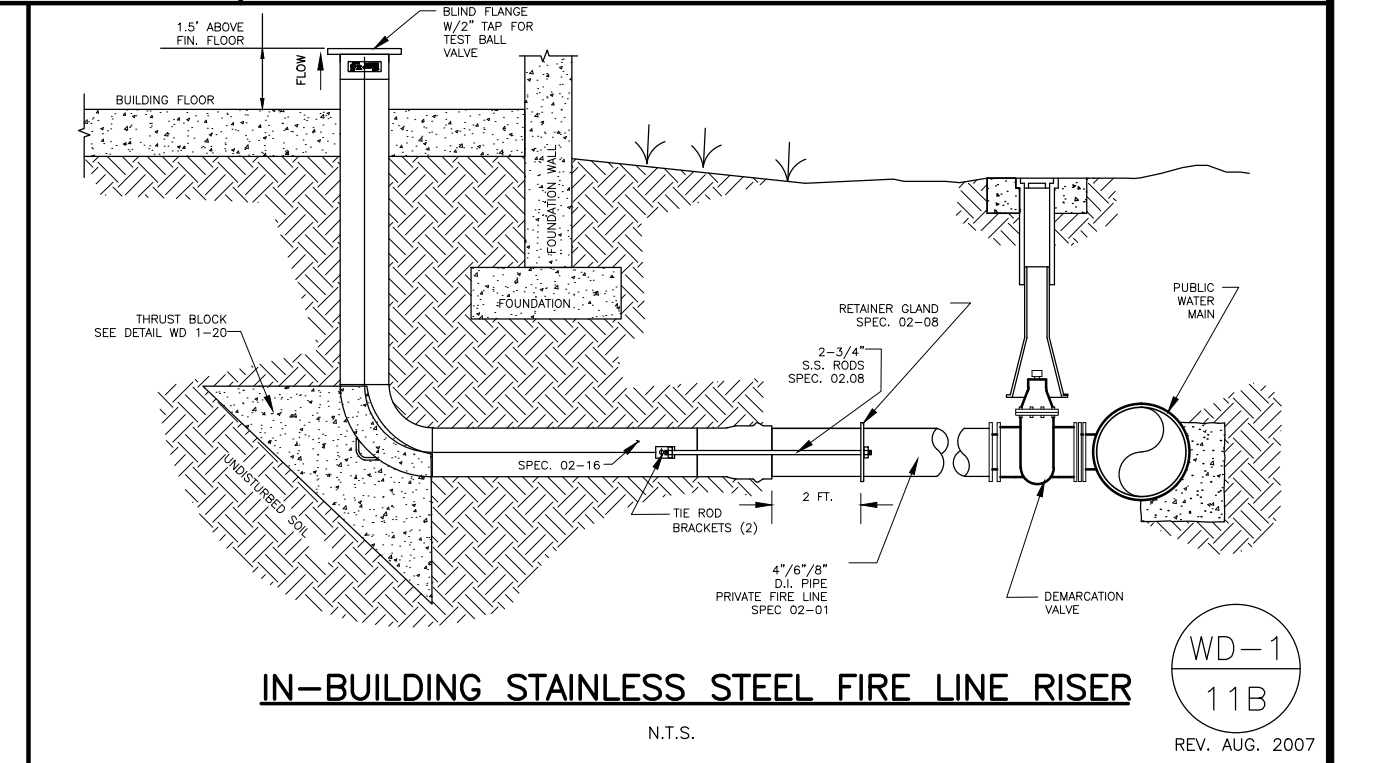
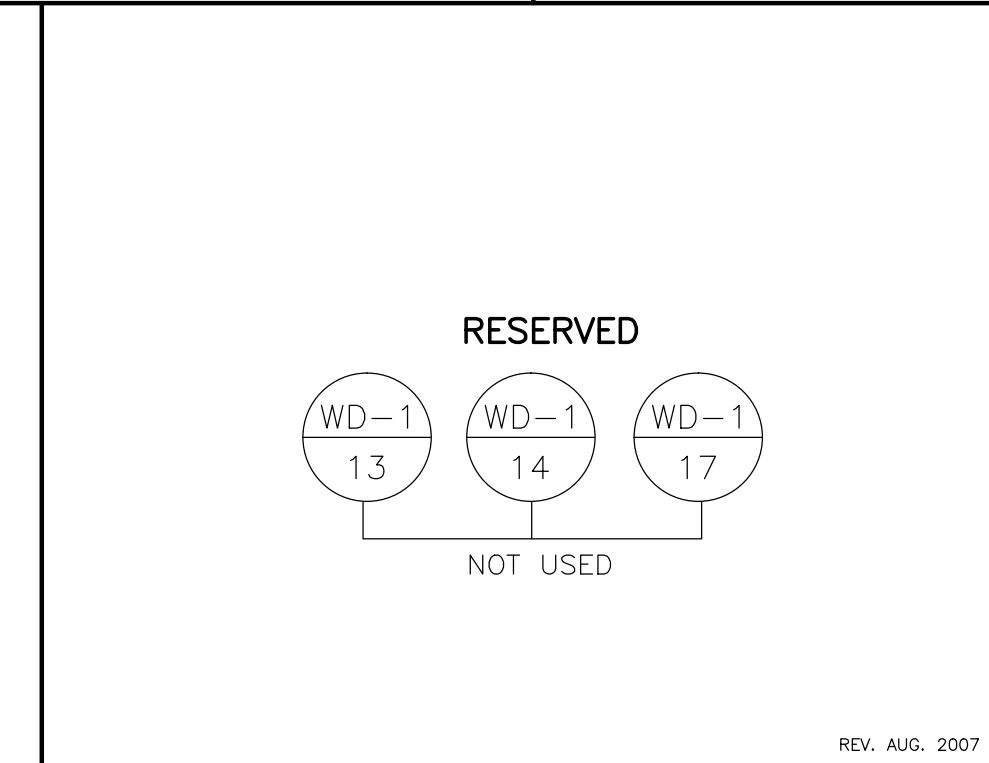
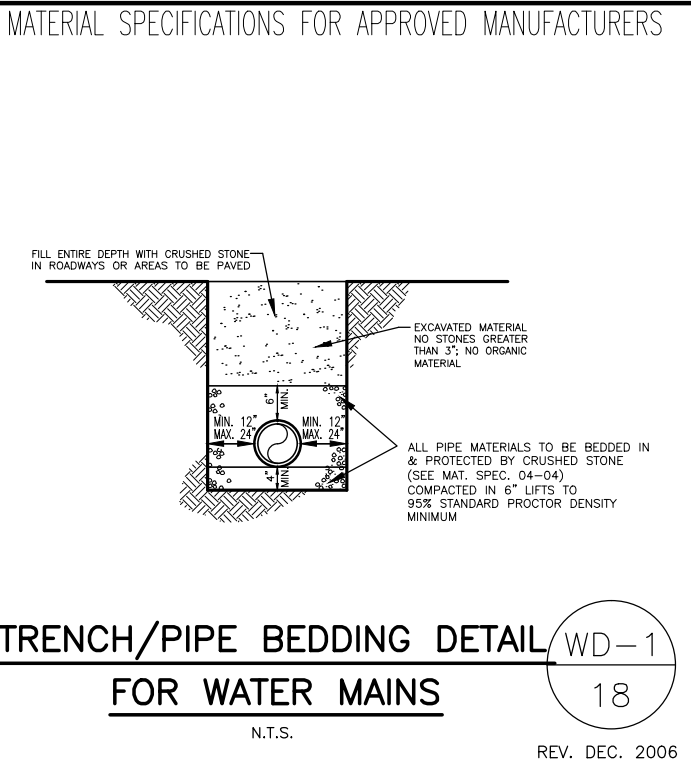
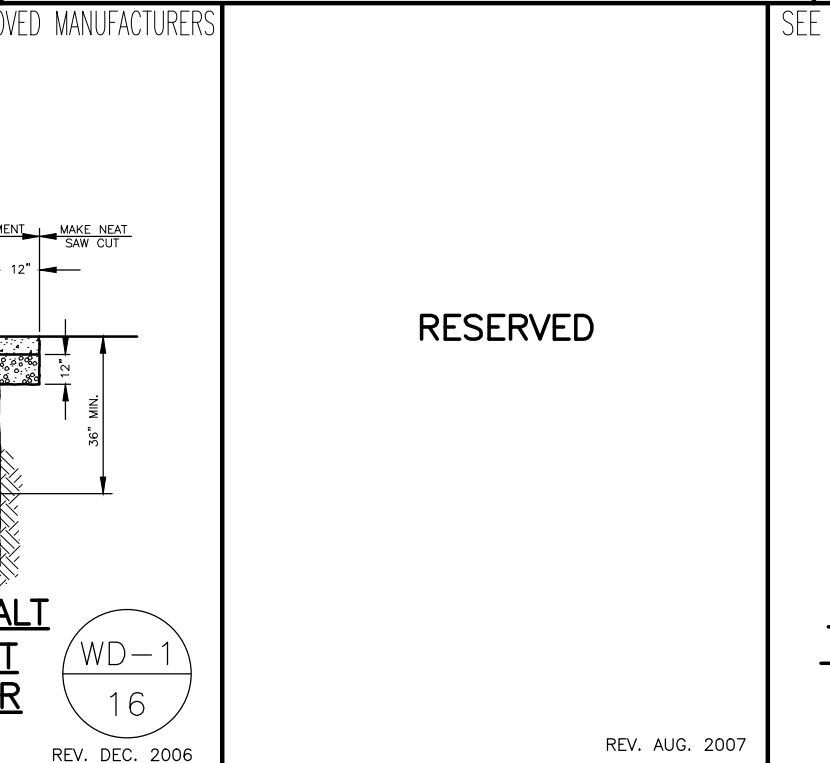
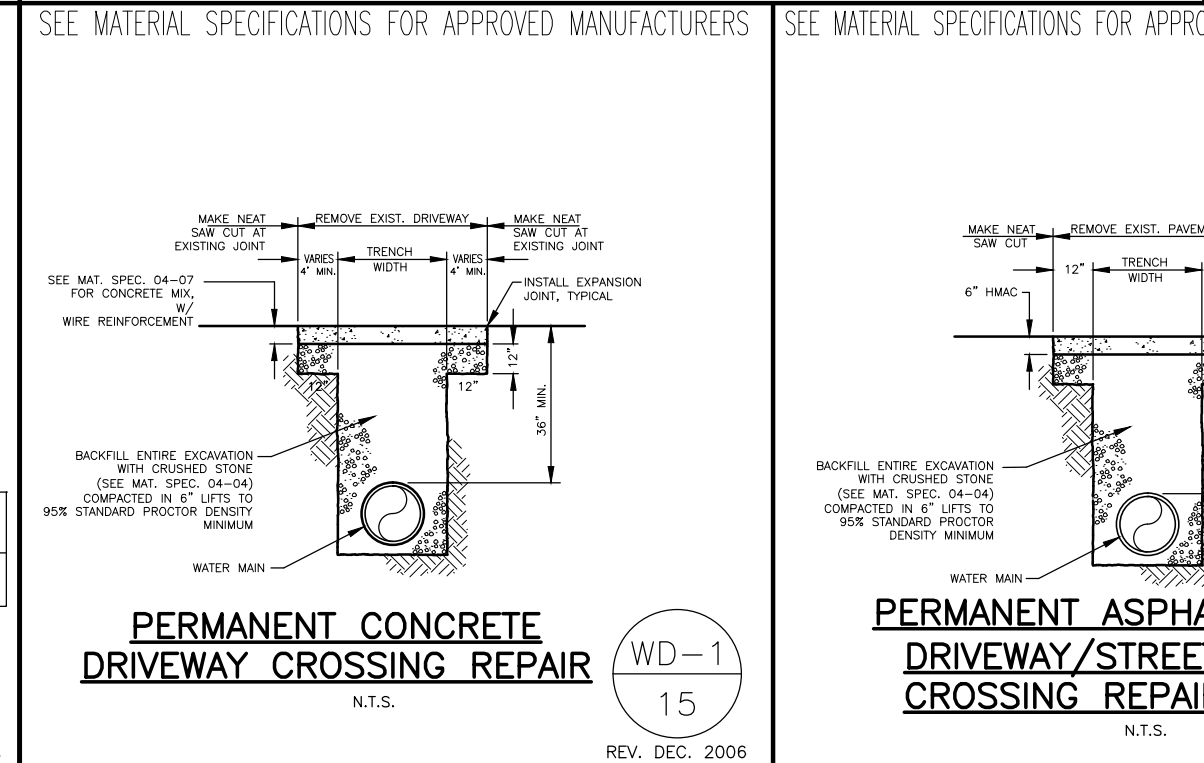
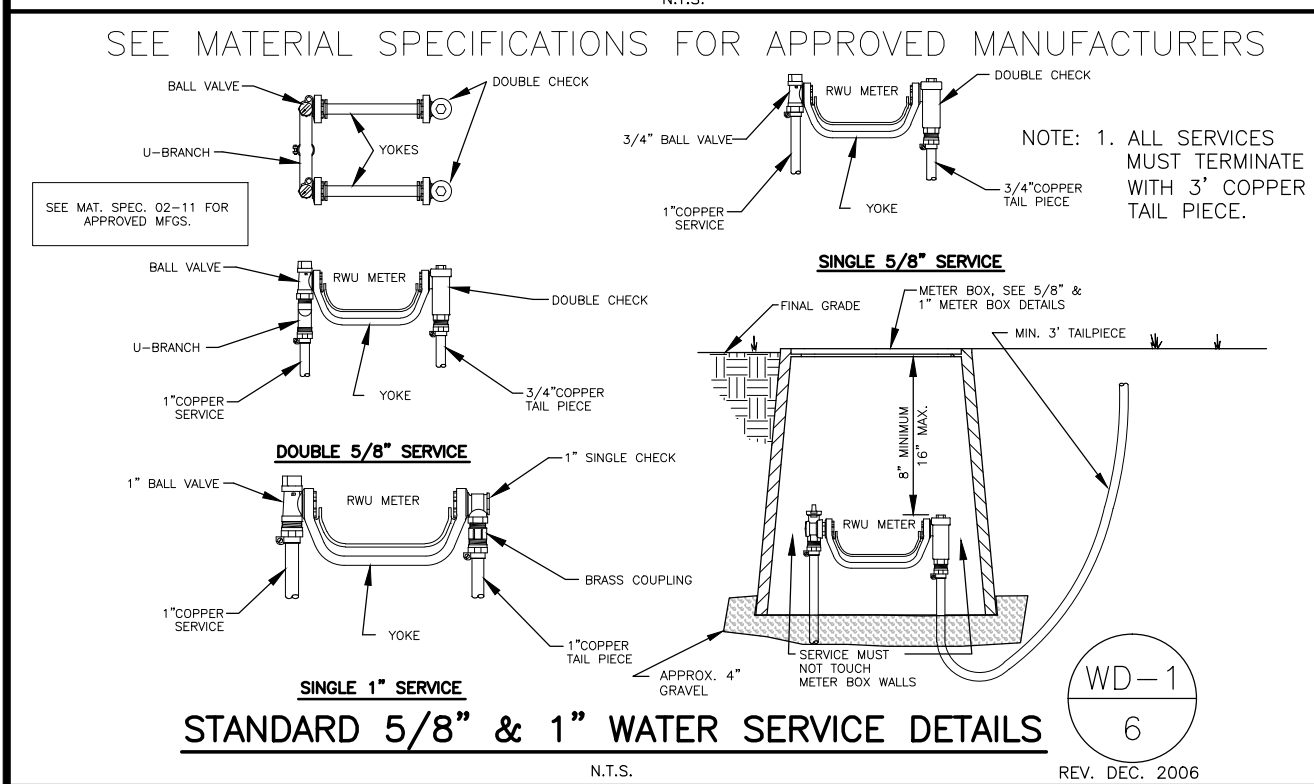
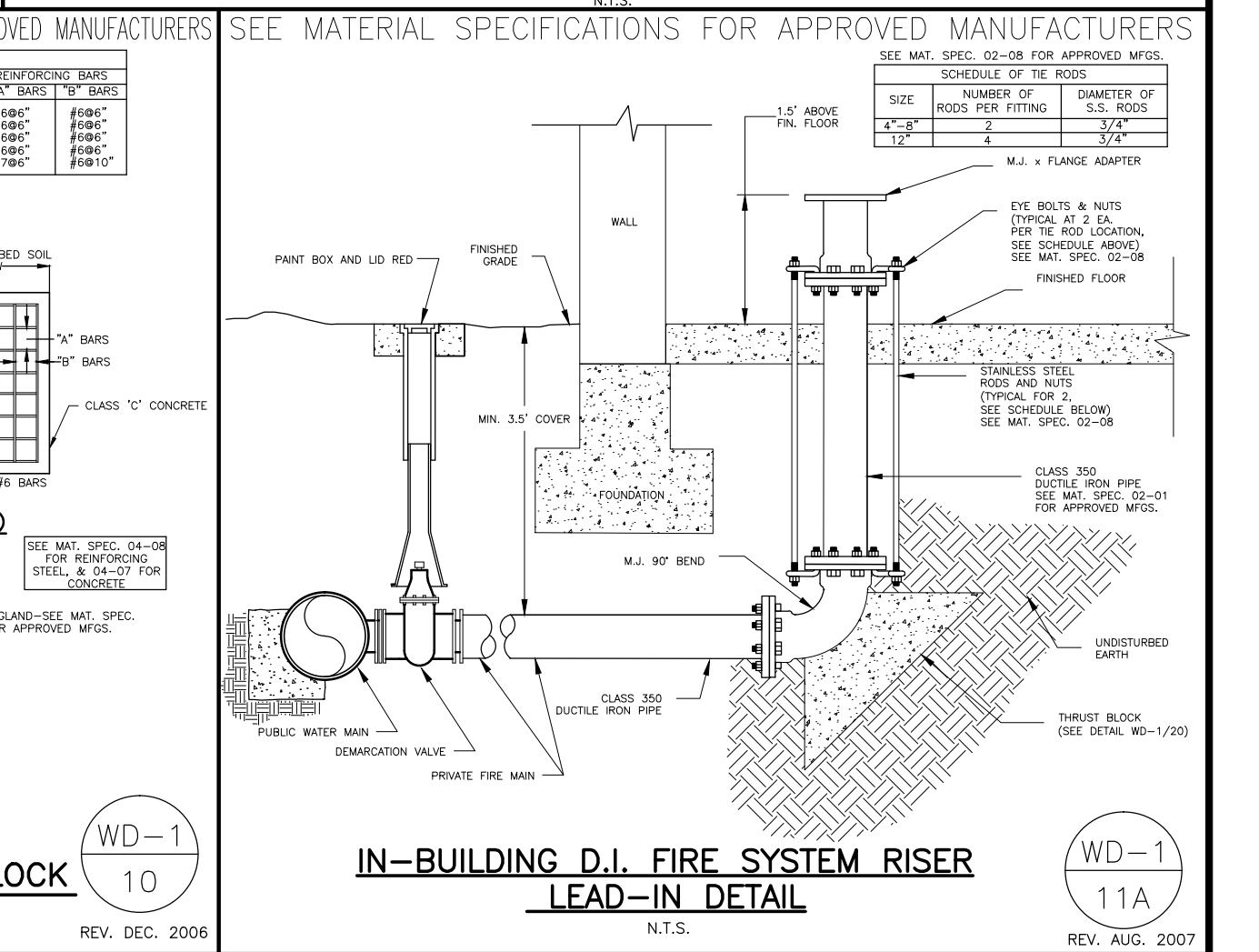
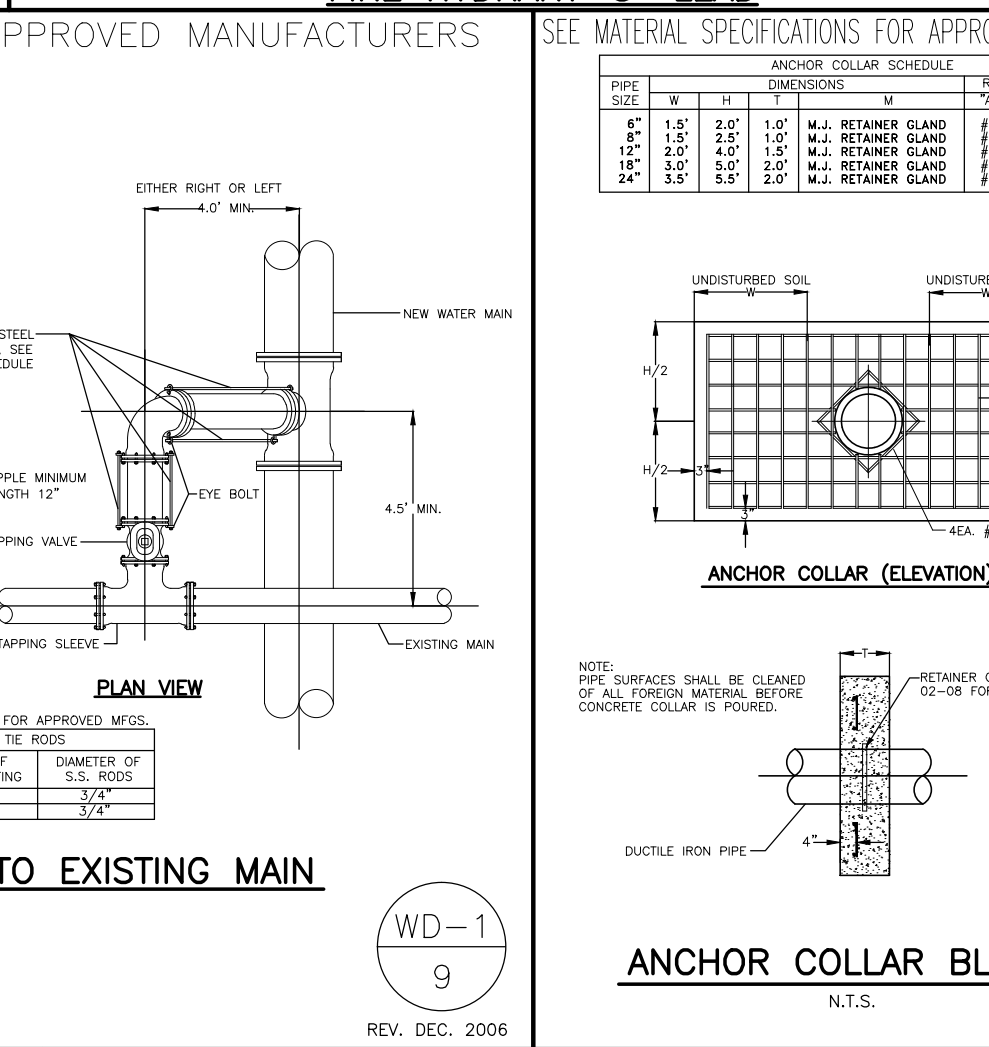
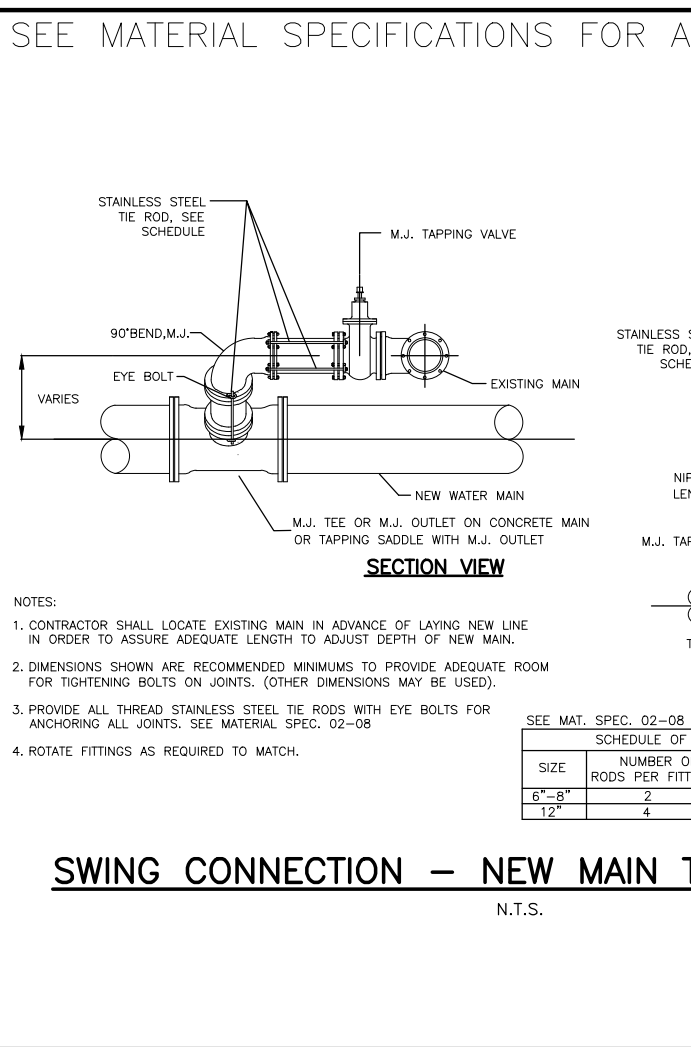
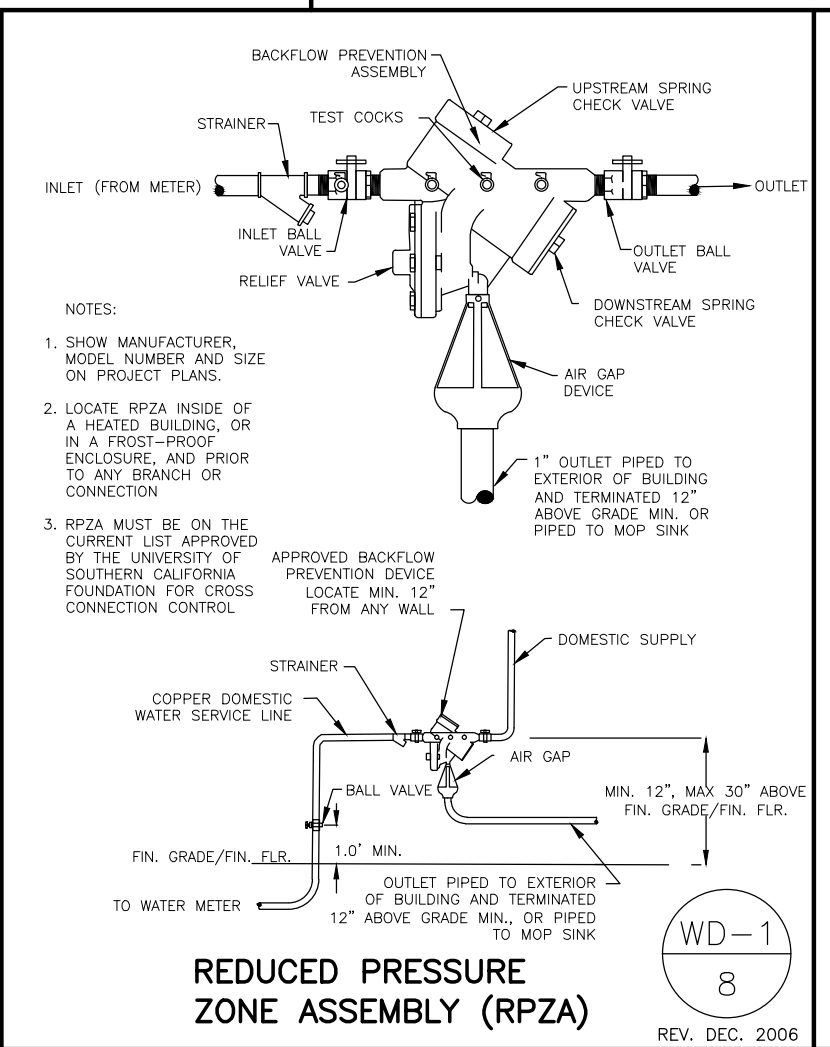
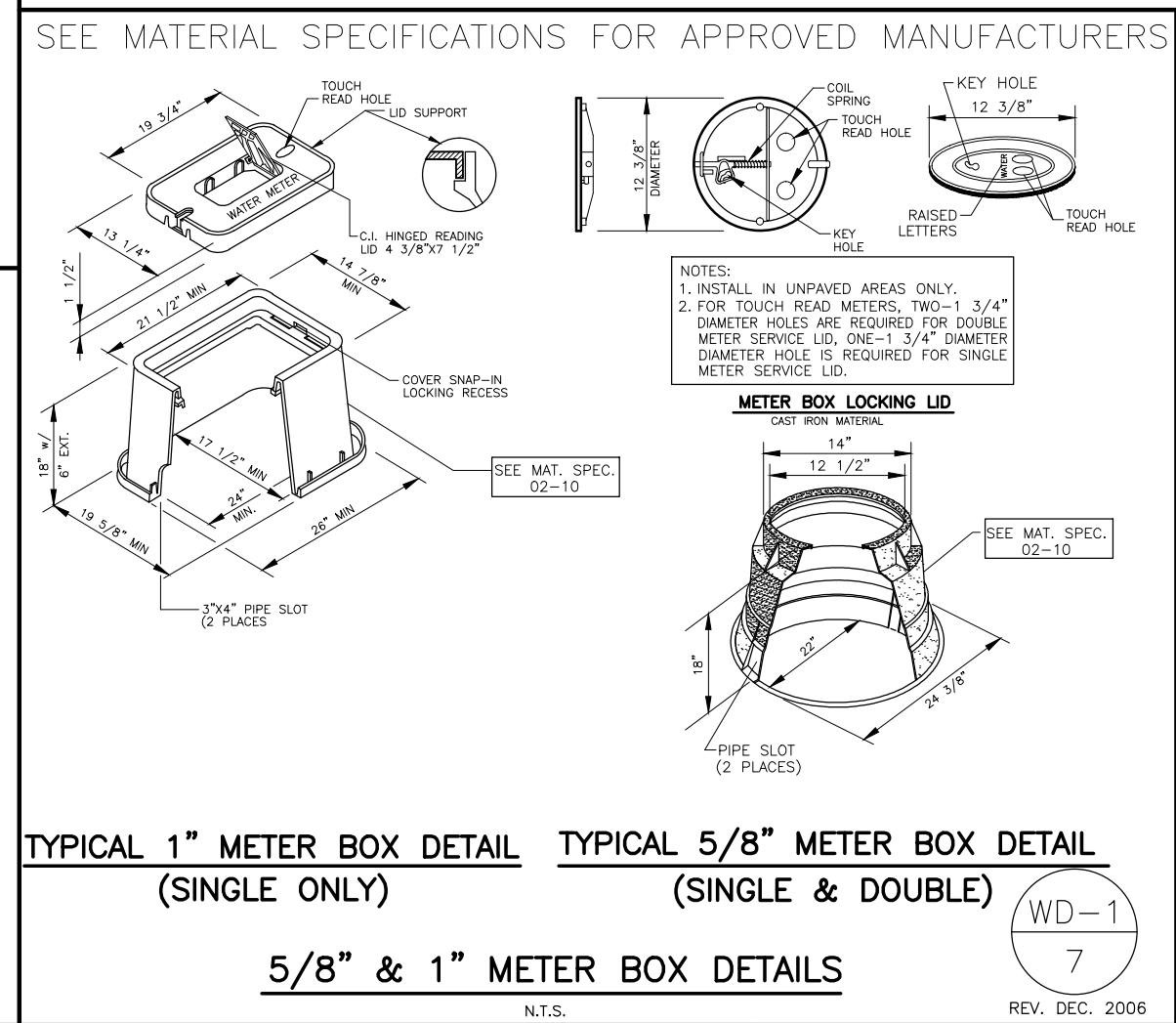
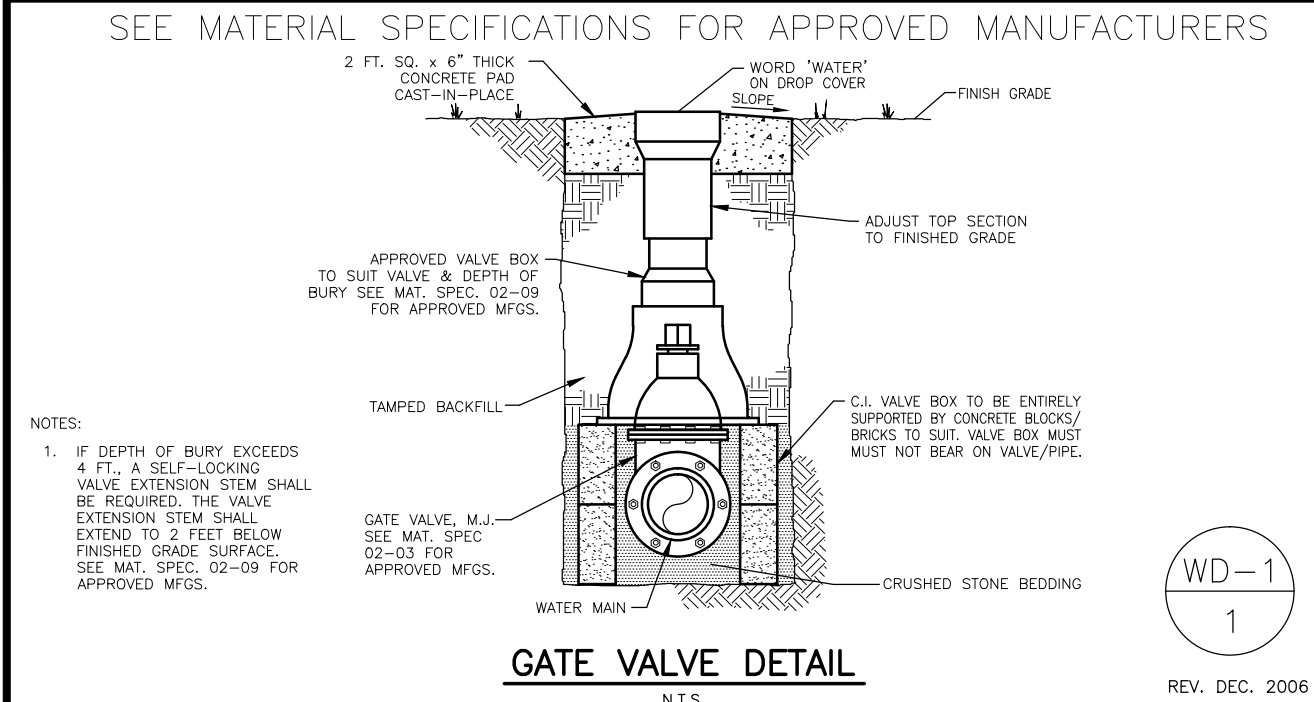
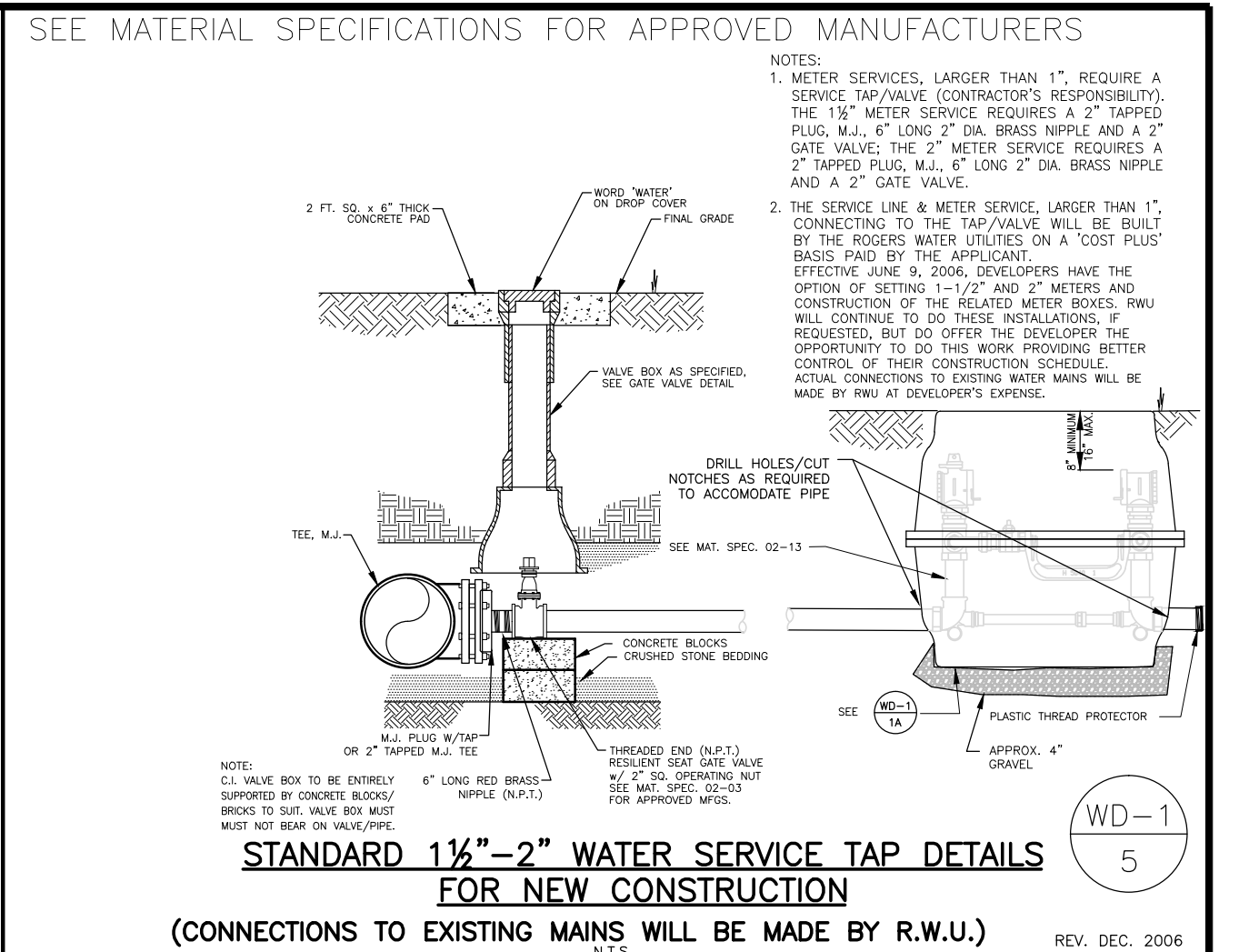
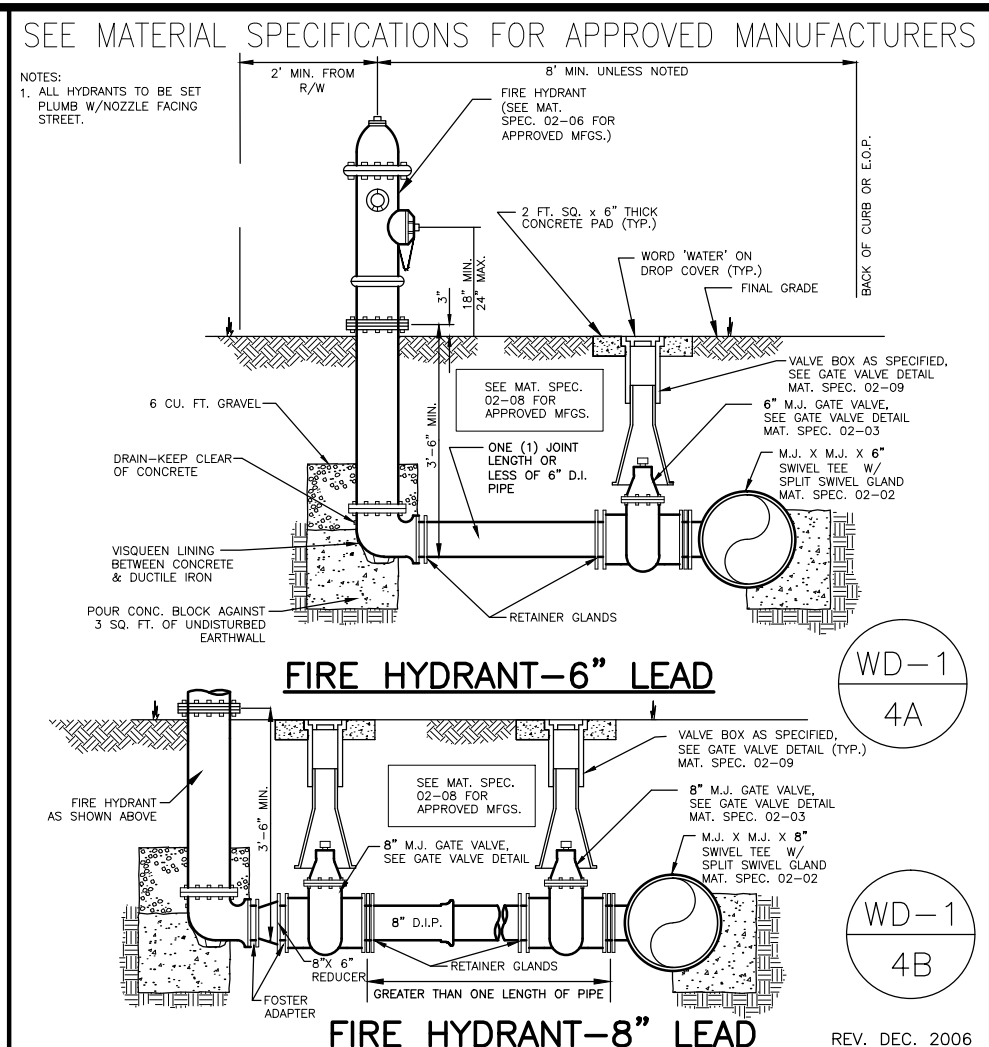
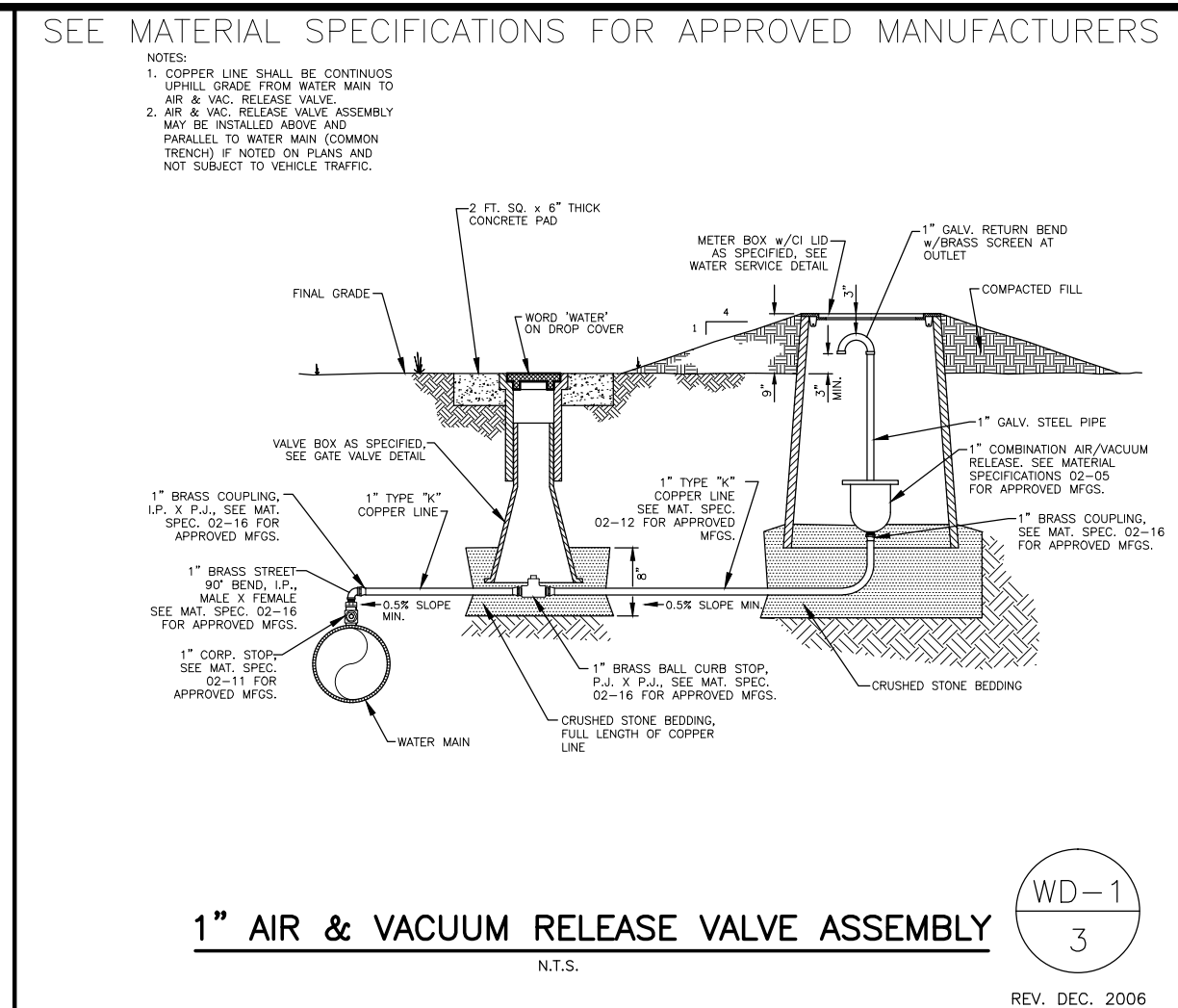
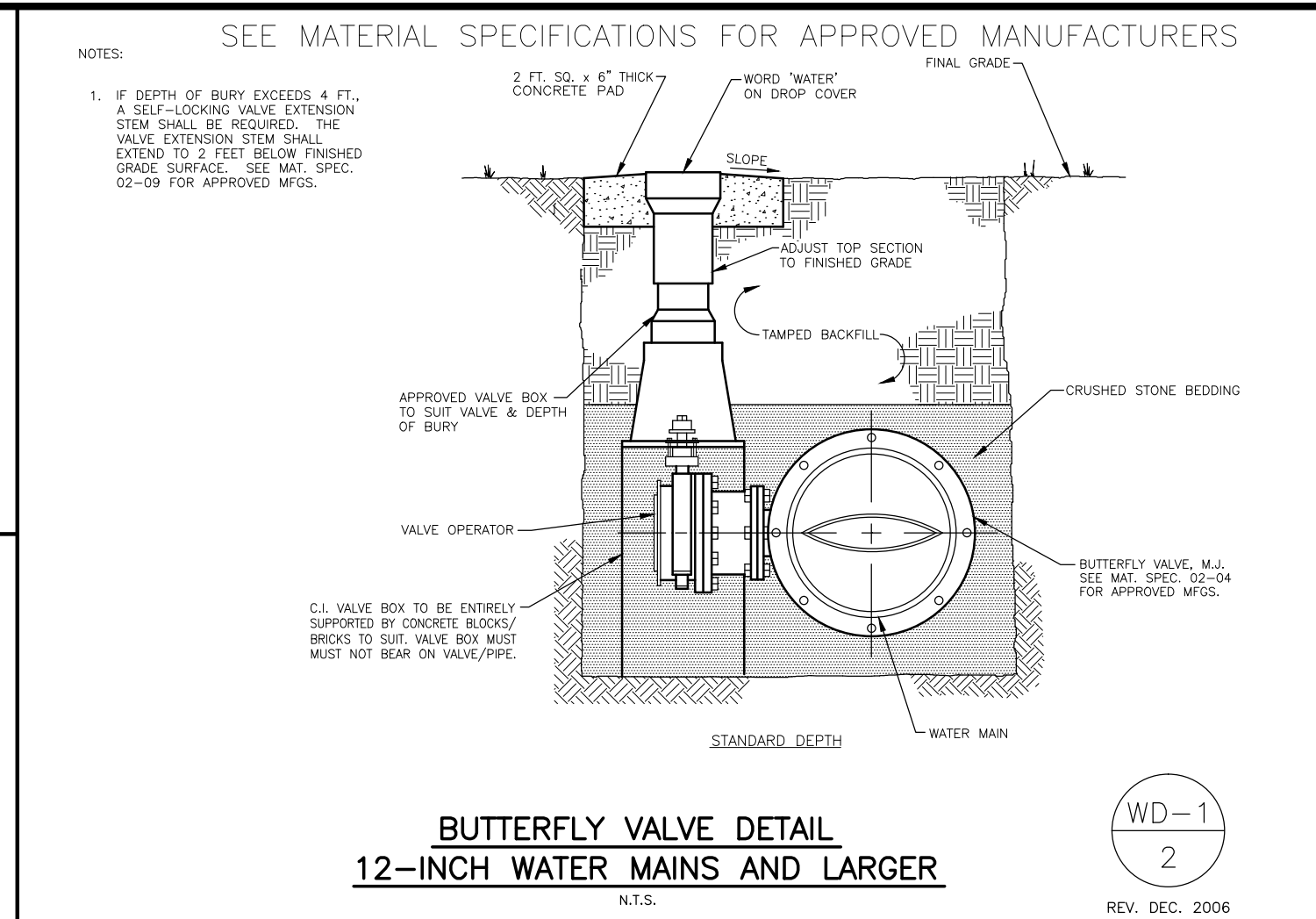
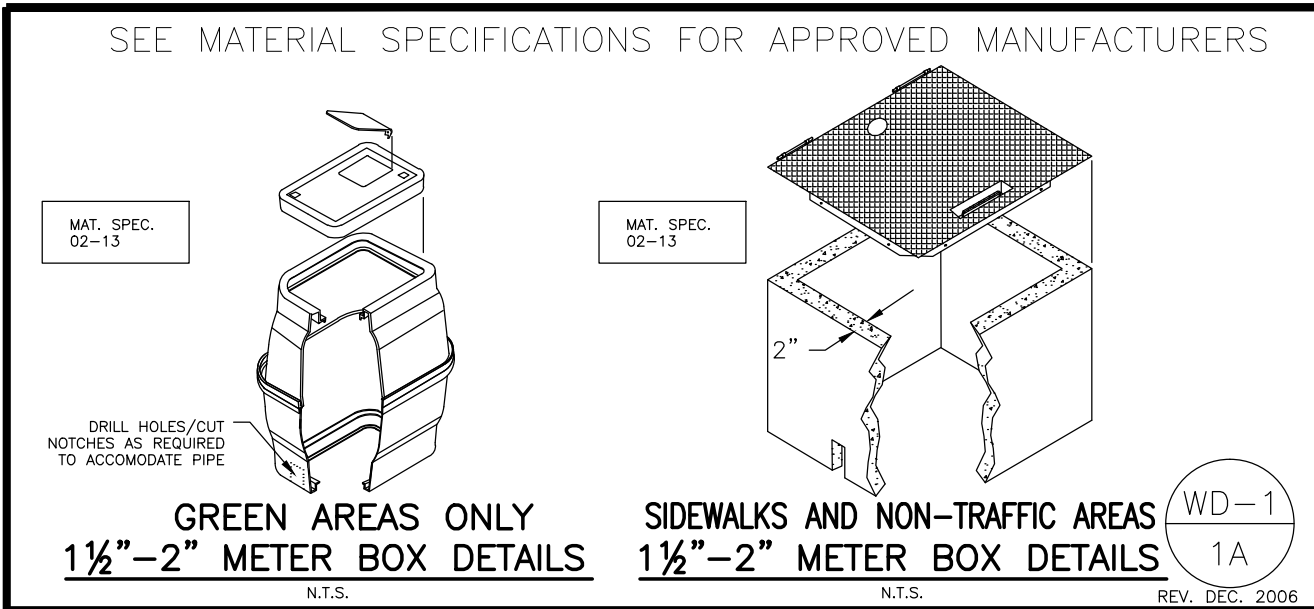


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72757-0338

NO.	DATE	REVISION	BY

DRAWN BY:	DATE:	SHEET NO.
KRM	02/17/2022	14
CHECKED BY:	PROJECT NUMBER:	
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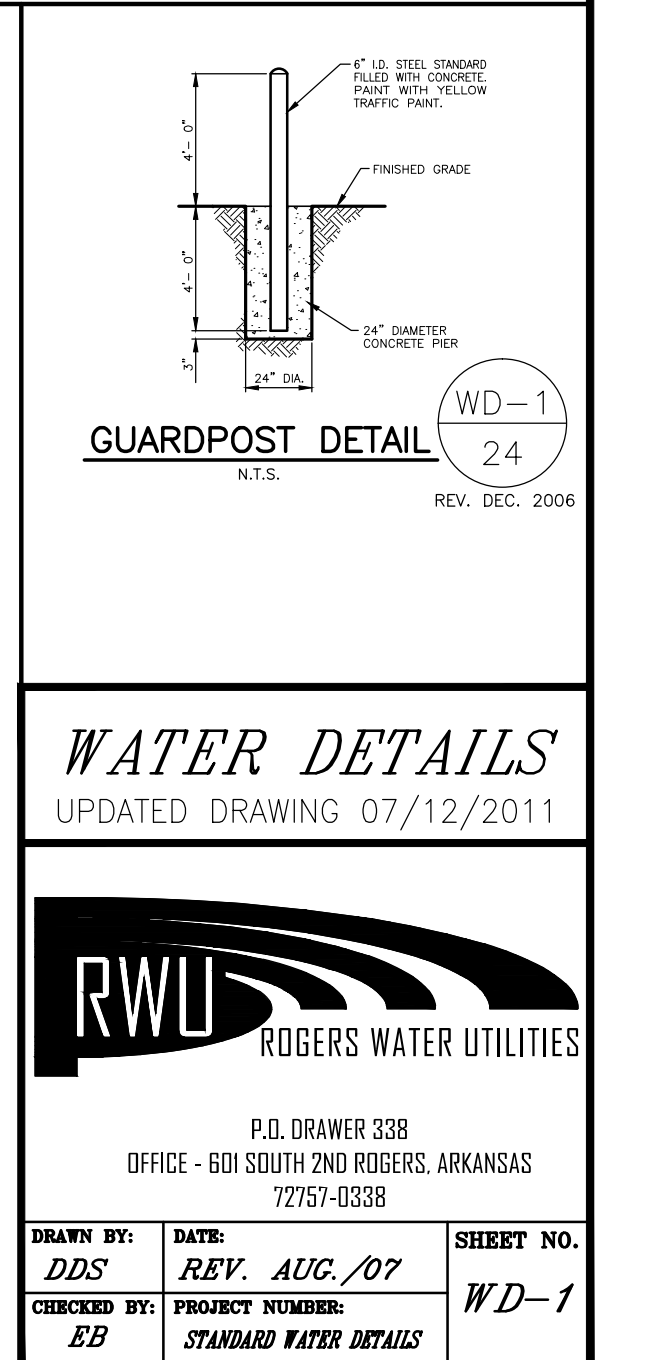
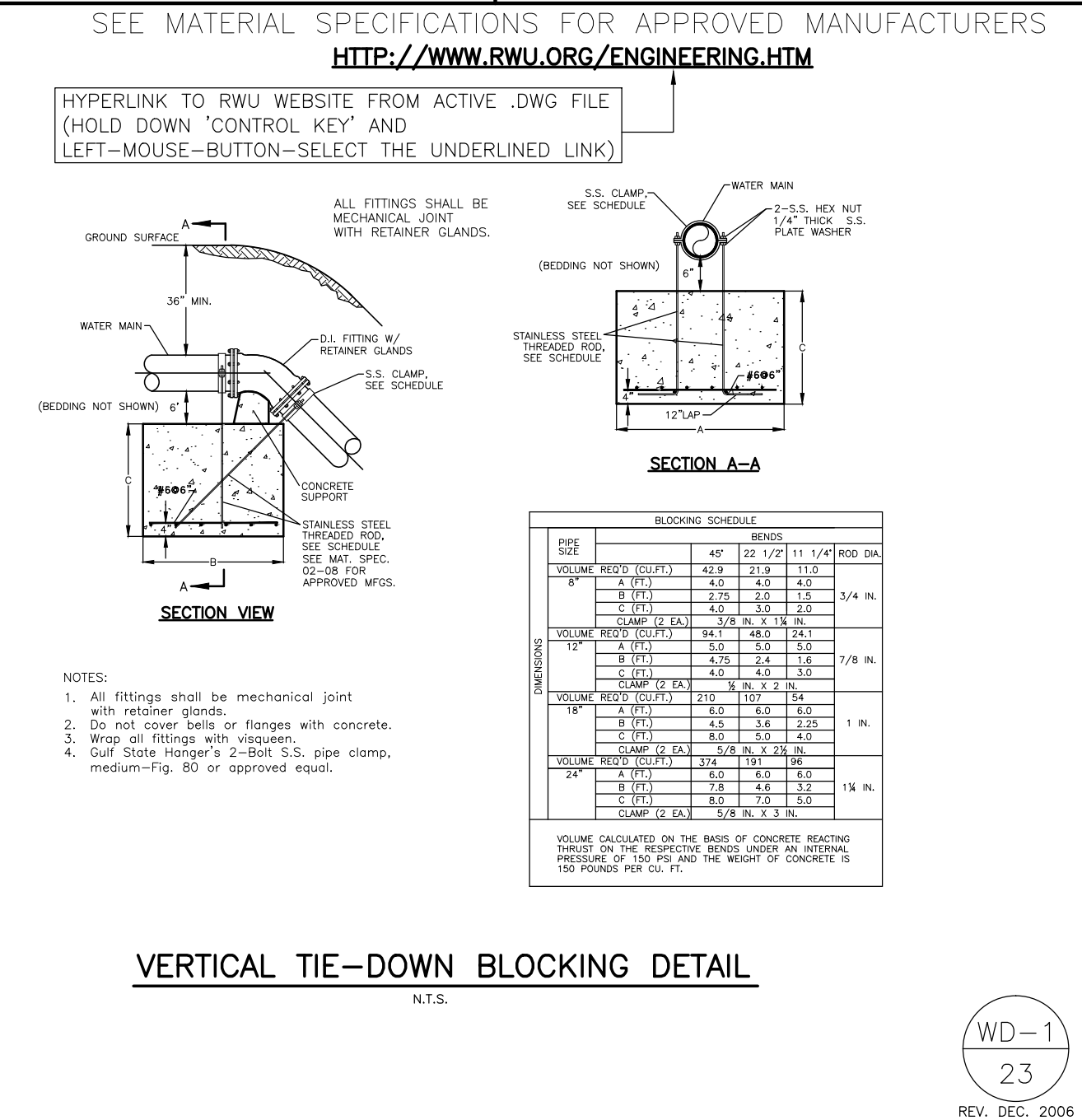
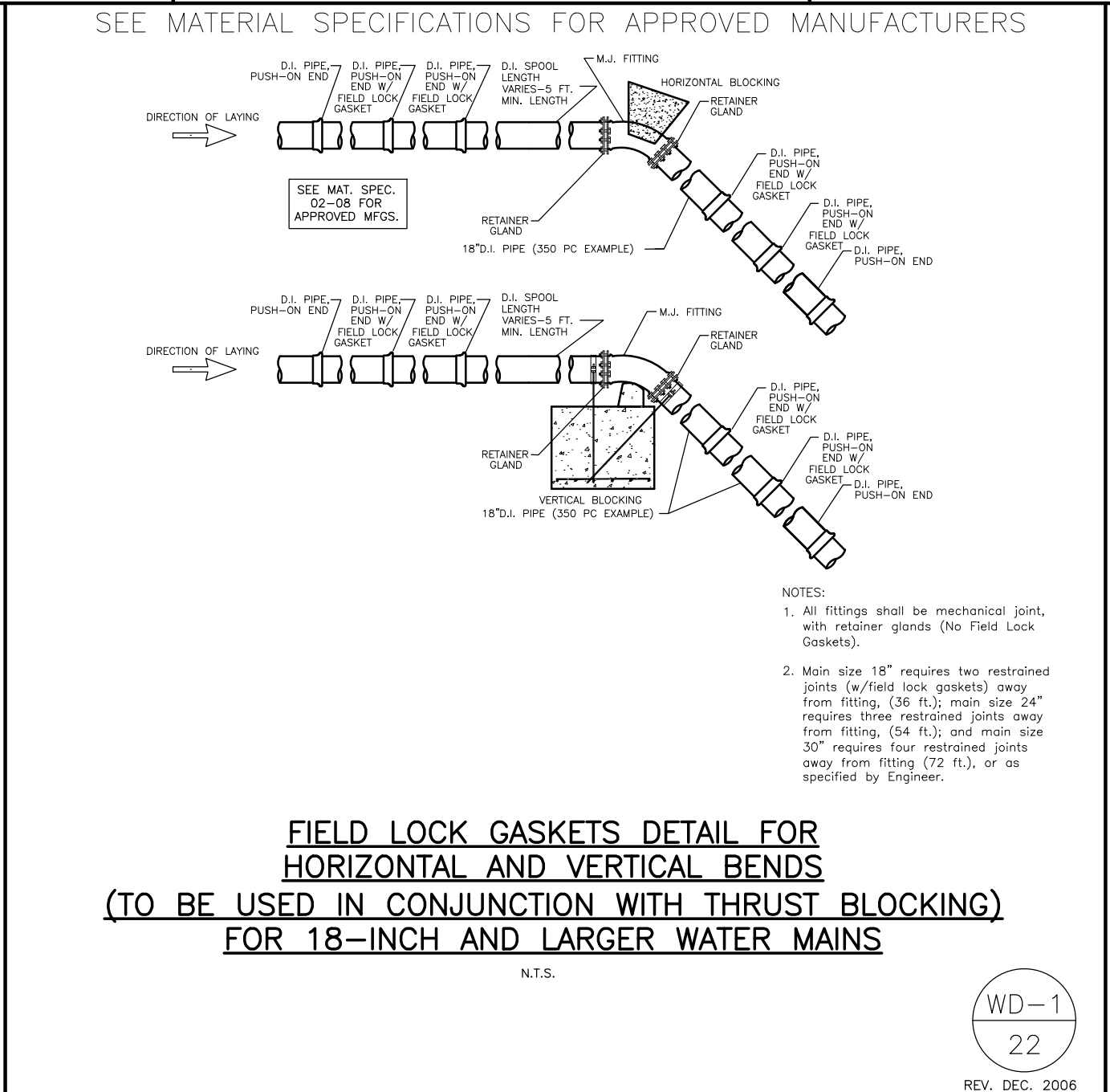
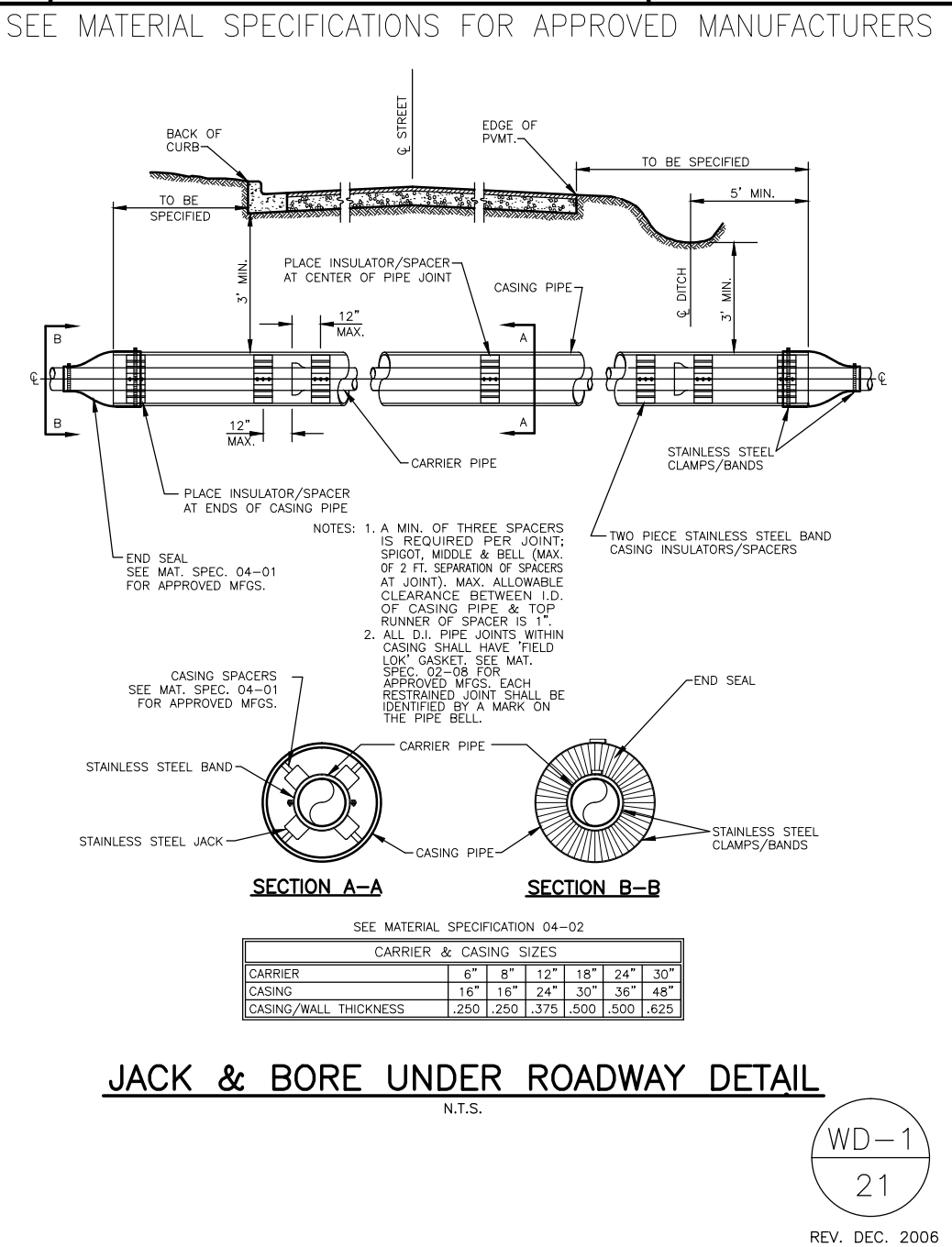
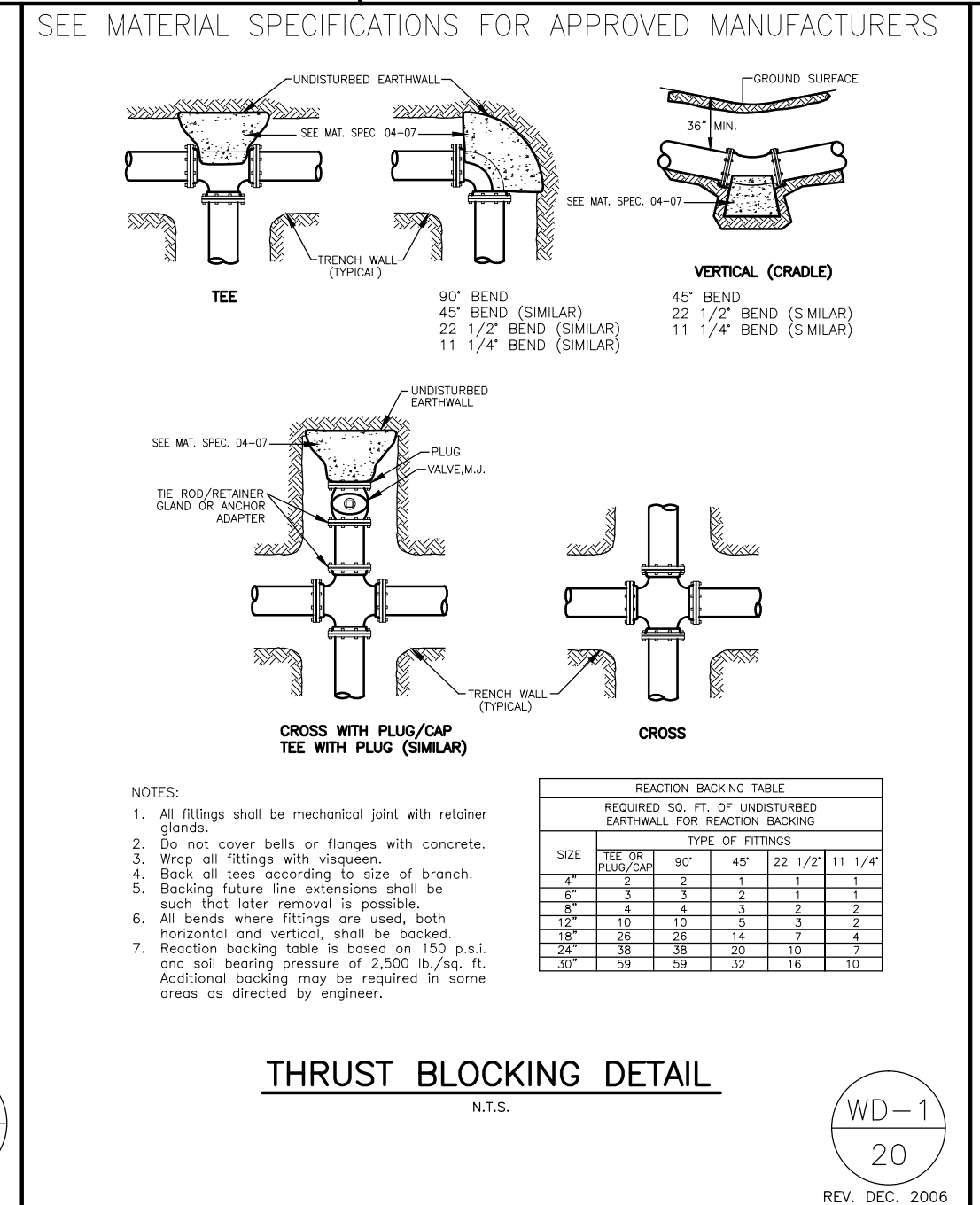
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GENERAL CONSTRUCTION NOTES:

- The contractor will be held solely responsible for damage occurring to any property during the construction of this project. Said contractor shall take all necessary precautions to prevent property damage.
- In accordance with generally accepted construction practices, the contractor will be solely and completely responsible for conditions of the job site, including safety of all persons and property during performance of the work. This requirement will apply continuously and not be limited to normal working hours.
- The duty of Rogers Water Utilities to conduct construction inspection or review of the contractor's performance is not an inspection or review of the adequacy of the contractor's safety measures in, on, or near the construction site.
- All water and sewer improvements shall be constructed in accordance with the latest revision to the Rogers Water Utilities Standards Specifications.
- The contractor is specifically cautioned that the location and/or elevation of existing utilities as shown on these plans is based on records of the various utility companies and, where possible, measurements taken in the field. The information is not to be relied on as being exact or complete. The contractor must call the appropriate utility company at least 48 hours before any excavation to request exact field location of utilities. It shall be the responsibility of the contractor to relocate all existing utilities which conflict with the proposed improvements shown on the plans.
- Contractor is to remove and dispose of all debris, rubbish and other materials resulting from previous and current demolition operations. Disposal will be in accordance with all local, state and/or federal regulations governing such operations.
- Prior to installation of any utilities, the contractor is to excavate, verify, and calculate all crossings and inform the Rogers Water Utilities of any conflicts prior to construction.
- Construction shall not start on any water utility until approval is given by Rogers Water Utilities. Said contractor shall not operate any valve, hydrant, or water utility appearance nor shall he attach to or tap any water utility main without approval. The contractor shall bear the cost and consequence of any disruption of utility operation caused by construction.

WD-1 19
REV. DEC. 2006



WATER DETAILS
UPDATED DRAWING 07/12/2011

RWU
ROGERS WATER UTILITIES

P.O. DRAWER 338
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72757-0338

DATE: **REV. AUG. 07**
DRAWN BY: **DOS**
CHECKED BY: **EB**

SHEET NO. **WD-1**
PROJECT NUMBER: **STANDARD WATER DETAILS**

RESERVED

WD-2
1A

SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS

CUT AND CAP DETAIL #1
N.T.S.

WD-2
1
REV. DEC. 2006

RESERVED

WD-2
6

SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS

ANTI-SEEPAGE BARRIER COLUMN
N.T.S.

WD-2
12
REV. DEC. 2006

SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS

COMMERCIAL IRRIGATION AND FIRE LINE CONNECTION DETAIL
N.T.S.

WD-2
2
REV. DEC. 2006

SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS

CUT AND CAP DETAIL #2 "HOT-BLOCK"
N.T.S.

WD-2
7
REV. DEC. 2006

SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS

FARM GATE INSTALLATION DETAIL
N.T.S.

WD-2
13
REV. AUG. 2007

SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS

RESERVED

WD-2
3
REV. MAR. 2009

SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS

RESERVED

WD-2
8

SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS

BARBED WIRE FENCE CROSSING REPAIR DETAIL
N.T.S.

WD-2
14
REV. AUG. 2007

SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS

END-OF-LINE/PHASE LINE FIRE HYDRANT DETAIL 8\" & 12\" MAINS
N.T.S.

WD-2
4
REV. DEC. 2006

SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS

RESERVED

WD-2
9

SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS

RESERVED

WD-2
15

SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS

END-OF-LINE/PHASE LINE FIRE HYDRANT DETAIL MAINS LARGER THAN 12\"
N.T.S.

WD-2
5
REV. DEC. 2006

SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS

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WD-2
10

SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS

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WD-2
17

METER SIZING AND MAIN CONNECTION DATA

METER SIZE	FLOW RANGE	CONNECTION TO MAIN		METER BOX APPROX. SIZE		SOURCE
		NEW MAIN	EXISTING MAIN	SIDEWALK	GREEN AREAS	
5/8" (SINGLE OR DOUBLE)	1-20 GPM	1" CORP. STOP	1" CORP. STOP		~22" DIA BASE	SEE STANDARD SPEC. 02-10
1"	3-50 GPM	1" CORP. STOP	1" CORP. STOP		~18"x24" BASE	SEE STANDARD SPEC. 02-10
1 1/2"	4-120 GPM	SEE WD 1/5	2" TAPPING SADDLE AND VALVE	32" x 42" (PRECAST BOX)	2-24"x 37" METER BOXES	SEE STANDARD SPEC. 02-13
2"	4-160 GPM	SEE WD 1/5	2" TAPPING SADDLE AND VALVE	32" x 42" (PRECAST BOX)	2-24"x 37" METER BOXES	SEE STANDARD SPEC. 02-13
3"	5-350 GPM	SEE WD 1/5	2" TAPPING SADDLE AND VALVE		8' L. x 5.5' W. x 4' D.	PRECAST BY PILE CONCRETE, LOWELL, AR
4"	15-1000 GPM	MAIN x 4" TEE AND VALVE	MAIN x 4" TAPPING SADDLE AND VALVE		6'x10'	(CAST-IN-PLACE BOX) BY CONTRACTOR-SEE RWU FOR LID DETAIL
6"	30-2,000 GPM	MAIN x 6" TEE AND VALVE	MAIN x 6" TAPPING SADDLE AND VALVE		6'x10'	(CAST-IN-PLACE BOX) BY CONTRACTOR-SEE RWU FOR LID DETAIL
8"	35-3,500 GPM	MAIN x 8" TEE AND VALVE	MAIN x 8" TAPPING SADDLE AND VALVE		6'x10'	(CAST-IN-PLACE BOX) BY CONTRACTOR-SEE RWU FOR LID DETAIL

NOTE: CONNECTIONS TO NEW MAINS ARE CONSTRUCTED BY THE CONTRACTOR. CONNECTIONS TO EXISTING MAINS ARE CONSTRUCTED BY RWU ON A COST PLUS BASIS.

WD-2
19

SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS

RESERVED

WD-2
20

SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS

RESERVED

WD-2
21

RESERVED

WD-2
23

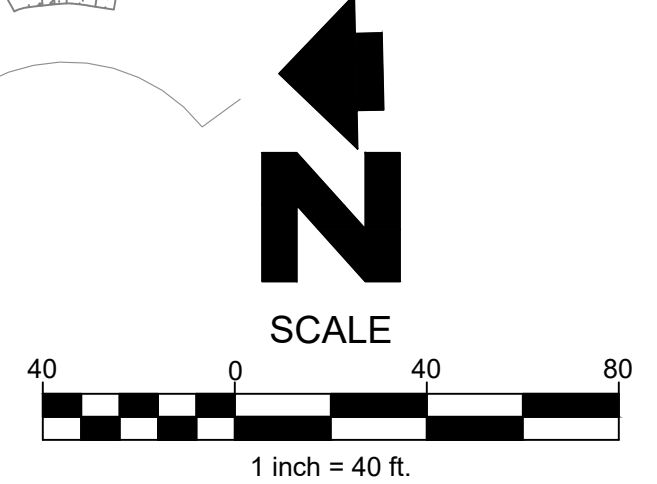
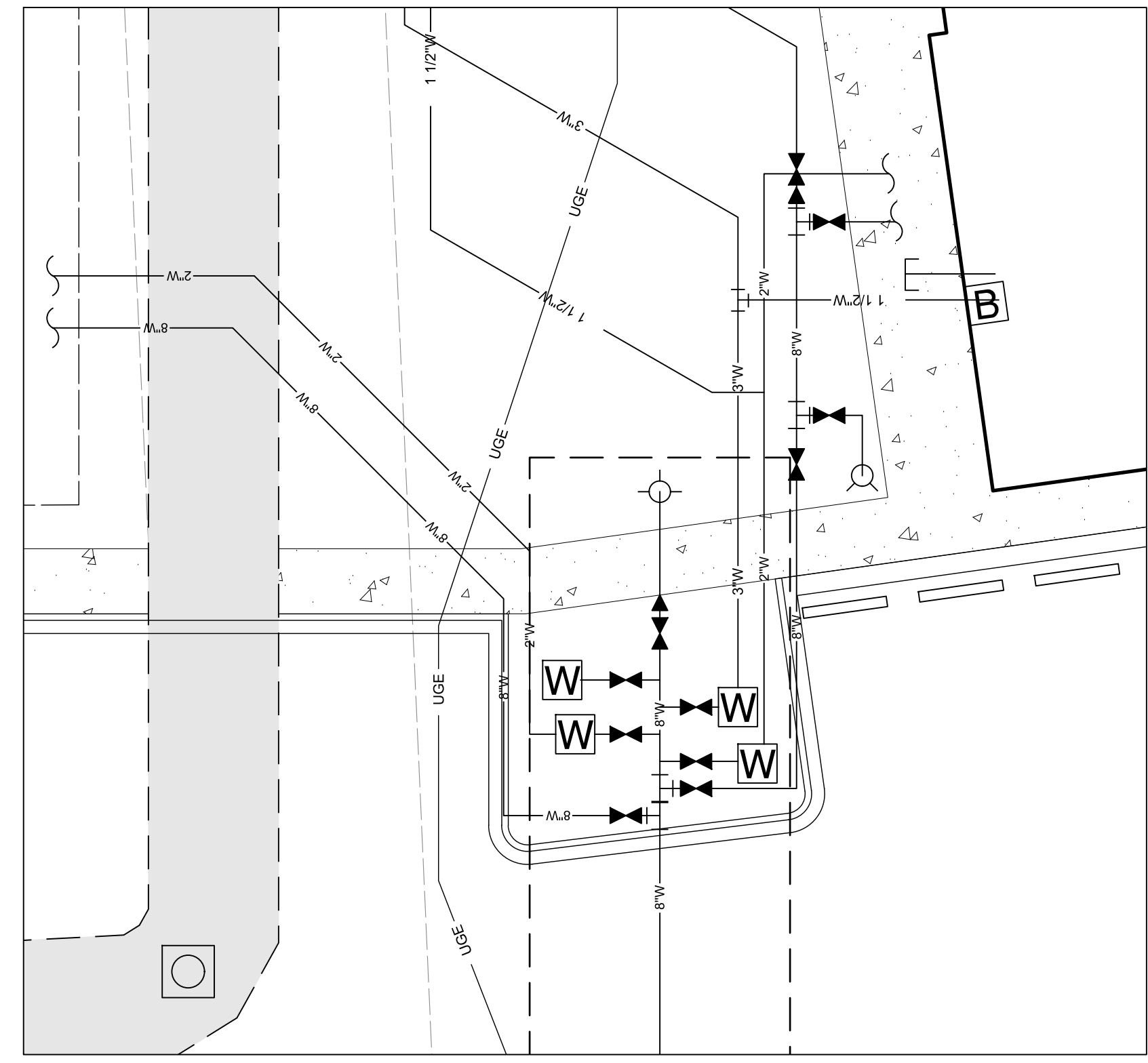
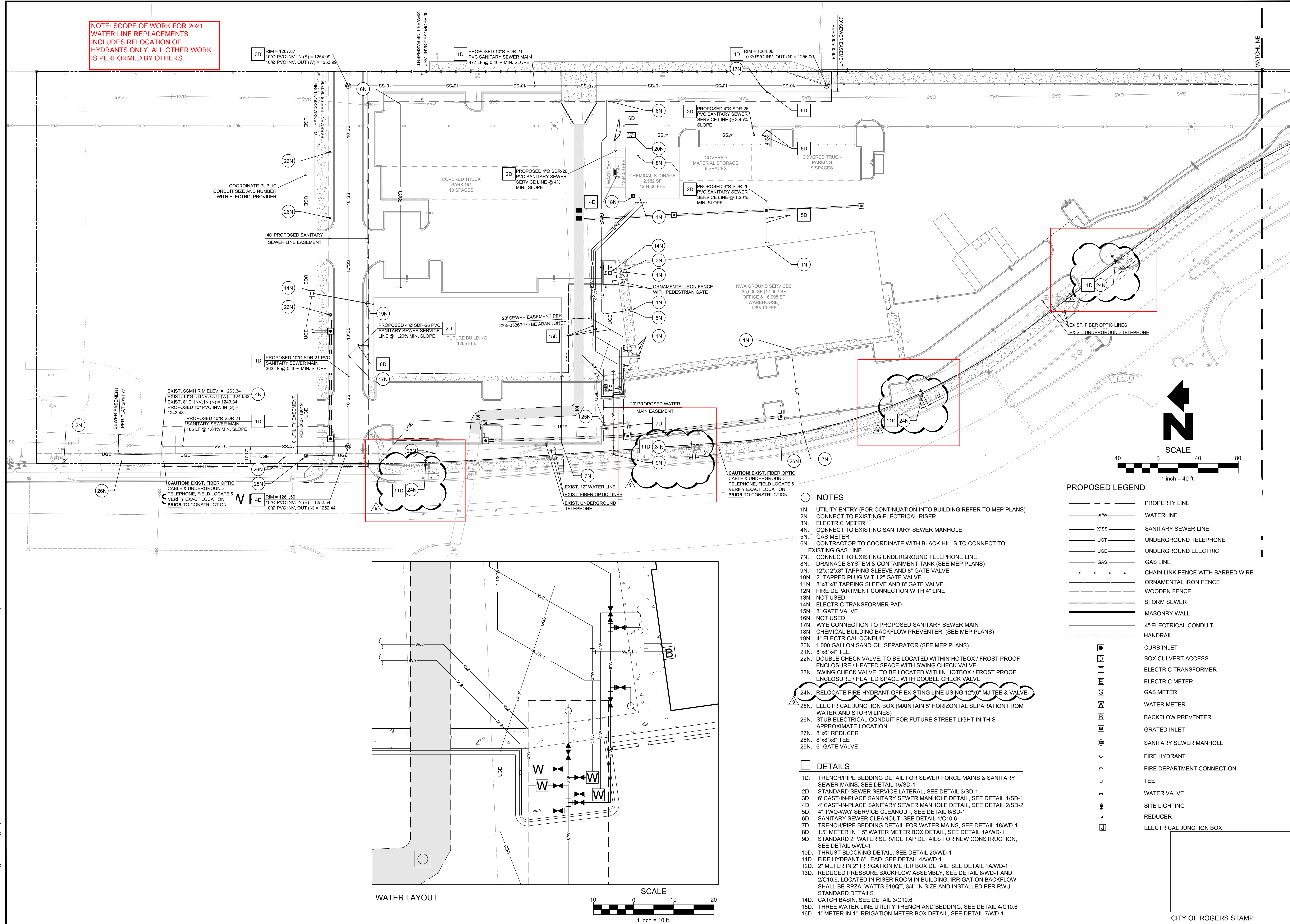
WATER DETAILS
UPDATED DRAWING 07/12/2011

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DRAWN BY: **DDS** DATE: **REV. JAN./08** SHEET NO. **WD-2**
CHECKED BY: **EB** PROJECT NUMBER: **STANDARD WATER DETAILS**

WD-2
22

NOTE: SCOPE OF WORK FOR 2021 WATER LINE REPLACEMENTS INCLUDES RELOCATION OF HYDRANTS ONLY. ALL OTHER WORK IS PERFORMED BY OTHERS.



- PROPOSED LEGEND**
- PROPERTY LINE
 - x-W- WATERLINE
 - x-SS- SANITARY SEWER LINE
 - UGT UNDERGROUND TELEPHONE
 - UGE UNDERGROUND ELECTRIC
 - GAS- GAS LINE
 - x-x-x-x- CHAIN LINK FENCE WITH BARBED WIRE
 - - - - - ORNAMENTAL IRON FENCE
 - - - - - WOODEN FENCE
 - - - - - STORM SEWER
 - - - - - MASONRY WALL
 - - - - - 4" ELECTRICAL CONDUIT
 - - - - - HANDRAIL
 - CURB INLET
 - BOX CULVERT ACCESS
 - ⊞ ELECTRIC TRANSFORMER
 - ⊞ ELECTRIC METER
 - ⊞ GAS METER
 - ⊞ WATER METER
 - ⊞ BACKFLOW PREVENTER
 - ⊞ GRATED INLET
 - ⊞ SANITARY SEWER MANHOLE
 - ⊞ FIRE HYDRANT
 - ⊞ FIRE DEPARTMENT CONNECTION
 - ⊞ TEE
 - ⊞ WATER VALVE
 - ⊞ SITE LIGHTING
 - ⊞ REDUCER
 - ⊞ ELECTRICAL JUNCTION BOX
- NOTES**
- 1N. UTILITY ENTRY (FOR CONTINUATION INTO BUILDING REFER TO MEP PLANS)
 - 2N. CONNECT TO EXISTING ELECTRICAL RISER
 - 3N. ELECTRIC METER
 - 4N. CONNECT TO EXISTING SANITARY SEWER MANHOLE
 - 5N. GAS METER
 - 6N. CONTRACTOR TO COORDINATE WITH BLACK HILLS TO CONNECT TO EXISTING GAS LINE
 - 7N. CONNECT TO EXISTING UNDERGROUND TELEPHONE LINE
 - 8N. DRAINAGE SYSTEM & CONTAINMENT TANK (SEE MEP PLANS)
 - 9N. 12"x12"x8" TAPPING SLEEVE AND 8" GATE VALVE
 - 10N. 2" TAPPED PLUG WITH 2" GATE VALVE
 - 11N. 8"x8"x8" TAPPING SLEEVE AND 8" GATE VALVE
 - 12N. FIRE DEPARTMENT CONNECTION WITH 4" LINE
 - 13N. NOT USED
 - 14N. ELECTRIC TRANSFORMER PAD
 - 15N. 8" GATE VALVE
 - 16N. NOT USED
 - 17N. WYE CONNECTION TO PROPOSED SANITARY SEWER MAIN
 - 18N. CHEMICAL BUILDING BACKFLOW PREVENTER (SEE MEP PLANS)
 - 19N. 4" ELECTRICAL CONDUIT
 - 20N. 1,000 GALLON SAND-OIL SEPARATOR (SEE MEP PLANS)
 - 21N. 8"x8"x4" TEE
 - 22N. DOUBLE CHECK VALVE; TO BE LOCATED WITHIN HOTBOX / FROST PROOF ENCLOSURE / HEATED SPACE WITH SWING CHECK VALVE
 - 23N. SWING CHECK VALVE; TO BE LOCATED WITHIN HOTBOX / FROST PROOF ENCLOSURE / HEATED SPACE WITH DOUBLE CHECK VALVE
 - 24N. RELOCATE FIRE HYDRANT OFF EXISTING LINE USING 12"x6" MJ TEE & VALVE
 - 25N. ELECTRICAL JUNCTION BOX (MAINTAIN 5' HORIZONTAL SEPARATION FROM WATER AND STORM LINES)
 - 26N. STUD ELECTRICAL CONDUIT FOR FUTURE STREET LIGHT IN THIS APPROXIMATE LOCATION
 - 27N. 8"x6" REDUCER
 - 28N. 8"x8"x8" TEE
 - 29N. 6" GATE VALVE
- DETAILS**
- 1D. TRENCH/PIPE BEDDING DETAIL FOR SEWER FORCE MAINS & SANITARY SEWER MAINS. SEE DETAIL 15/SD-1
 - 2D. STANDARD SEWER SERVICE LATERAL. SEE DETAIL 3/SD-1
 - 3D. 6" CAST-IN-PLACE SANITARY SEWER MANHOLE DETAIL. SEE DETAIL 1/SD-1
 - 4D. 4" CAST-IN-PLACE SANITARY SEWER MANHOLE DETAIL. SEE DETAIL 2/SD-2
 - 5D. 4" TWO-WAY SERVICE CLEANOUT. SEE DETAIL 6/SD-1
 - 6D. SANITARY SEWER CLEANOUT. SEE DETAIL 1/C10.6
 - 7D. TRENCH/PIPE BEDDING DETAIL FOR WATER MAINS. SEE DETAIL 18/WD-1
 - 8D. 1.5" METER IN 1.5" WATER METER BOX DETAIL. SEE DETAIL 1A/WD-1
 - 9D. STANDARD 2" WATER SERVICE TAP DETAILS FOR NEW CONSTRUCTION. SEE DETAIL 5/WD-1
 - 10D. THRUST BLOCKING DETAIL. SEE DETAIL 20/WD-1
 - 11D. FIRE HYDRANT 6" LEAD. SEE DETAIL 4A/WD-1
 - 12D. 2" METER IN 2" IRRIGATION METER BOX DETAIL. SEE DETAIL 1A/WD-1
 - 13D. REDUCED PRESSURE BACKFLOW ASSEMBLY. SEE DETAIL 8/WD-1 AND 2/C10.6. LOCATED IN RISER ROOM IN BUILDING; IRRIGATION BACKFLOW SHALL BE RPZA, WATTS 919QT, 3/4" IN SIZE AND INSTALLED PER RWU STANDARD DETAILS
 - 14D. CATCH BASIN. SEE DETAIL 3/C10.6
 - 15D. THREE WATER LINE UTILITY TRENCH AND BEDDING. SEE DETAIL 4/C10.6
 - 16D. 1" METER IN 1" IRRIGATION METER BOX DETAIL. SEE DETAIL 7/WD-1

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NWA GROUND SERVICES

2225 S. BELLVIEW ROAD
ROGERS, AR 72768

PROJECT NUMBER: 18-18-00004

ISSUE BLOCK

NO.	TITLE	DATE
1	CONST.	7/19/2019
2	ADD-3	11/12/2019
3	ADD-4	11/19/2019

DOCUMENT DATE: 8/20/2020
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UTILITY PLAN

SHEET: **C5.0**

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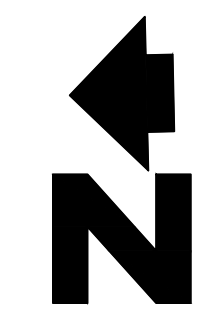
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UTILITY
 PLAN
 SOUTH TRAIL

SHEET:
C5.4



PROPOSED LEGEND

- — — — — PROPERTY LINE
- x—w— WATERLINE
- ⊕ FIRE HYDRANT
- ⊞ TEE
- ⊥ WATER VALVE
- ⊙ SITE LIGHTING

- NOTES
- 24N. RELOCATE FIRE HYDRANT OFF EXISTING LINE USING 12"x6" MJ TEE & VALVE
- DETAILS
- 11D. FIRE HYDRANT 6" LEAD, SEE DETAIL 4A/WD-1

