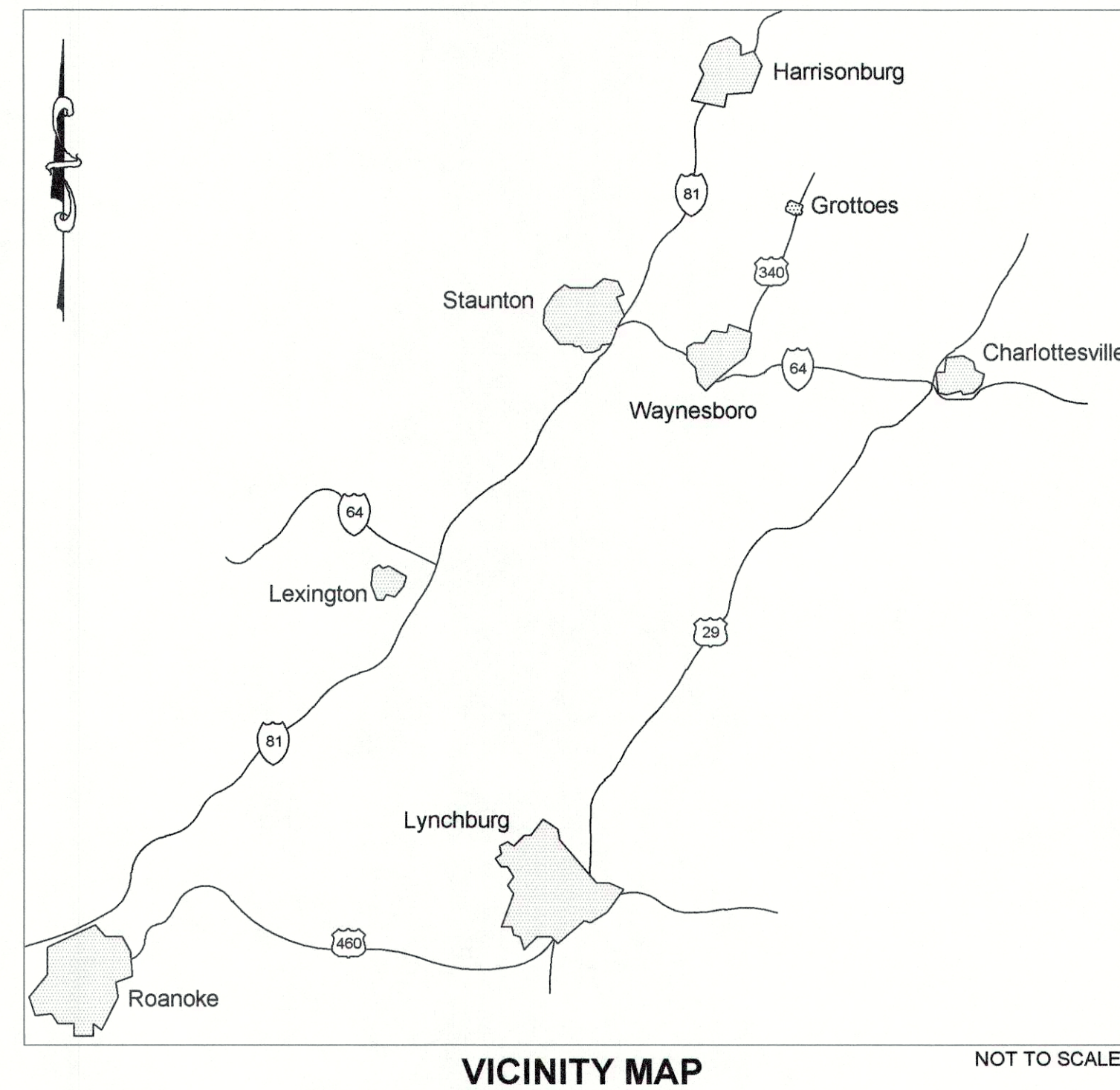


FY 20 WATER LINE IMPROVEMENTS



May 4 , 2020

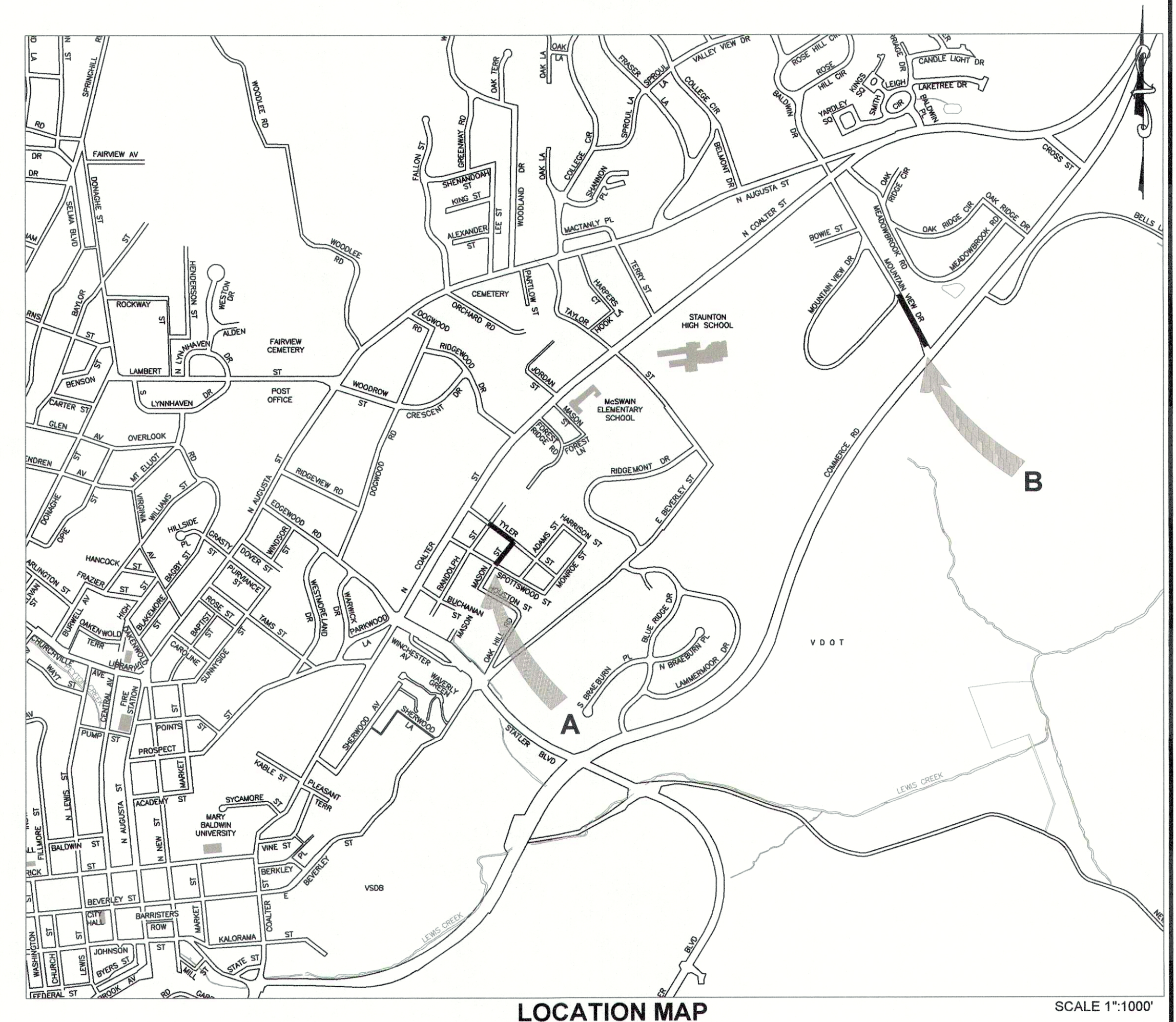
CITY OF STAUNTON

116 W. Beverley Street
P.O. Box 58
Staunton, Virginia 24402

City Engineer: Nickie D. Mills, P.E.
Phone: 540-332-3858

This project's topographic and utility information mapping was completed under the direct and responsible charge of Nickie D. Mills, P.E., from an actual ground survey made under my supervision in July 2019. The survey information on this drawing meets minimum accuracy standards unless otherwise noted.

Data shown outside the limits of the actual field survey (outside subject parcel) was obtained from Staunton GIS Database.



PROJECTS

- A MASON STREET AND TYLER STREET
- B MOUNTAIN VIEW DRIVE

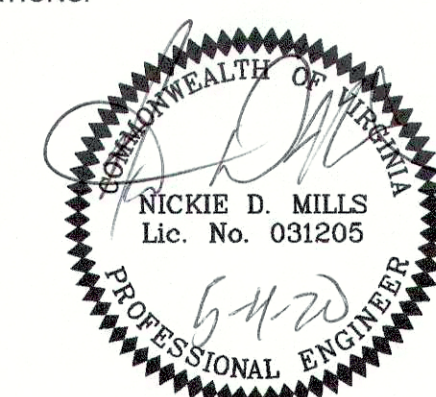
GENERAL NOTES

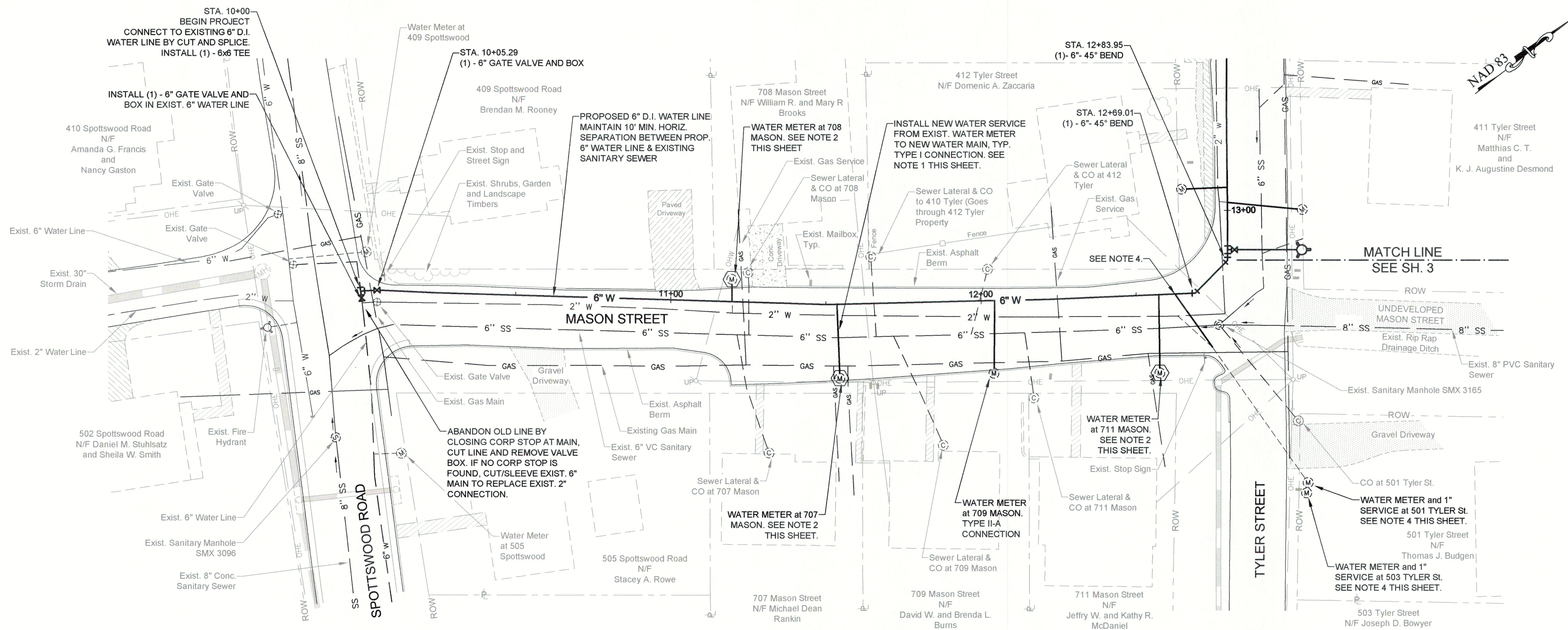
- THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, SPECIAL CONDITIONS, CITY OF STAUNTON DESIGN AND CONSTRUCTION STANDARDS, VDOT ROAD AND BRIDGE STANDARDS, HEALTH DEPARTMENT WATER WORKS AND SEWERAGE REGULATIONS AND ANY OTHER APPLICABLE STANDARDS.
- ALL MATERIAL USED ON THIS PROJECT SHALL BE NEW AND COMPLY WITH THE LATEST REVISION OF THE APPLICABLE AMERICAN SOCIETY OF TESTING AND MATERIALS (ASTM), AMERICAN WATERWORKS ASSOCIATION (AWWA), AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) & VIRGINIA DEPARTMENT OF TRANSPORTATION (VDOT) ROAD & BRIDGE STANDARDS & SPECIFICATIONS UNLESS OTHERWISE NOTED.
- THE LOCATION OF EXISTING UTILITIES AS SHOWN ON THE PLANS ARE AS THEY WERE KNOWN AT THE TIME THE PLANS WERE PREPARED. HOWEVER, NOTHING IN THE CONTRACT DOCUMENTS SHALL BE CONSTRUED AS A GUARANTEE THAT SUCH UTILITIES ARE IN THE LOCATION INDICATED OR THAT THEY ACTUALLY EXIST, OR THAT OTHER UTILITIES ARE NOT IN THE AREA OF OPERATION. THE CONTRACTOR SHALL MAKE ALL NECESSARY INVESTIGATIONS TO DETERMINE THE EXISTENCE AND LOCATION OF SUCH LINES. THE CONTRACTOR SHALL PAY FOR ANY DAMAGE TO AND FOR MAINTENANCE AND PROTECTION OF EXISTING UTILITIES AND STRUCTURES. CALL MISS UTILITY 48 HOURS IN ADVANCE OF DIGGING.
- THE CONTRACTOR IS TO DIG & LOCATE EXISTING UTILITIES IN ADVANCE OF PIPE LAYING TO ALLOW FOR HORIZONTAL AND VERTICAL ALIGNMENT ADJUSTMENT.
- UTILITY SERVICES SHALL BE UNINTERRUPTED UNLESS PRIOR APPROVAL IS GIVEN BY THE CITY ENGINEER. THE CONTRACTOR IS REQUIRED TO HANG (CITY PROVIDED) NOTICES ON ALL BUSINESS CUSTOMER DOORS 48 HOURS PRIOR TO UTILITY SHUT-OFFS AND ALL OTHER CUSTOMER DOORS 24 HOURS PRIOR TO UTILITY SHUT-OFFS.
- MAINTAIN 18" VERTICAL CLEARANCE AT ALL SANITARY SEWER CROSSINGS, AND 12" CLEARANCE AT ALL STORM SEWER CROSSINGS. MAINTAIN 10 FEET HORIZONTAL DISTANCE BETWEEN WATER LINES AND SANITARY SEWER LINES AND MANHOLES.
- WATERLINE APPURTENANCES SHALL BE LOCATED AWAY FROM DRAINAGE PATTERNS.
- ALL TOPSOIL, SEEDING & MULCHING OPERATIONS ARE TO FOLLOW IMMEDIATELY BEHIND PIPE LAYING OPERATIONS.
- ALL PAVEMENT REPAIR IS TO BE KEPT UP WITH LINE INSTALLATION AS DIRECTED BY INSPECTOR.

- ALL SALVAGE ITEMS REMOVED FROM THE PROJECT SHALL BE DEPOSITED AT THE CITY SALVAGE YARD.
- ALL TRAFFIC CONTROL DEVICES MUST BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE VIRGINIA WORK AREA PROTECTION MANUAL.
- EXISTING LINES ARE NOT TO BE ABANDONED UNTIL ALL SERVICES IN THE PROJECT AREA ARE CONNECTED TO NEW LINES.
- CONTACTS FOR ASSOCIATED UTILITY COORDINATION ARE:
COLUMBIA GAS TERRY HOWARD 290-0203
VIRGINIA POWER RICH PARASKA 245-4121
COMCAST ROB CROSIER 887-3461
VERIZON CALVIN JOHNSON 434-841-8570
SHENTEL MISS-UTILITY_DESIGN_REQUEST@EMP.SHENTEL.COM
- DRAWINGS FOR THESE PROJECTS ARE BASED ON AVAILABLE RECORDS, SUPPLEMENTED WITH A LIMITED AMOUNT OF FIELD SURVEY.
- FIELD CHANGES SHALL BE APPROVED BY STAUNTON'S CITY ENGINEER PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL CONTINUOUSLY MAINTAIN RECORD DRAWINGS DURING THE PROGRESS OF THE WORK.
- CONSTRUCTION DEBRIS SHALL BE CONTAINERIZED IN ACCORDANCE WITH THE VIRGINIA LITTER CONTROL ACT.
- OPEN TRENCHES ARE LIMITED TO 100'. ALL TRENCHES SHALL BE BACKFILLED OR PLATED AT THE END OF EACH WORK DAY OR WHEN THE CONTRACTOR IS NOT ON SITE.
- ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED TO PRECLUDE THE PONDING OF WATER.
- COORDINATE WITH STAUNTON'S CITY ENGINEER FOR EQUIPMENT STAGING AND STORAGE LOCATIONS PRIOR TO MATERIALS BEING DELIVERED TO THE SITE.

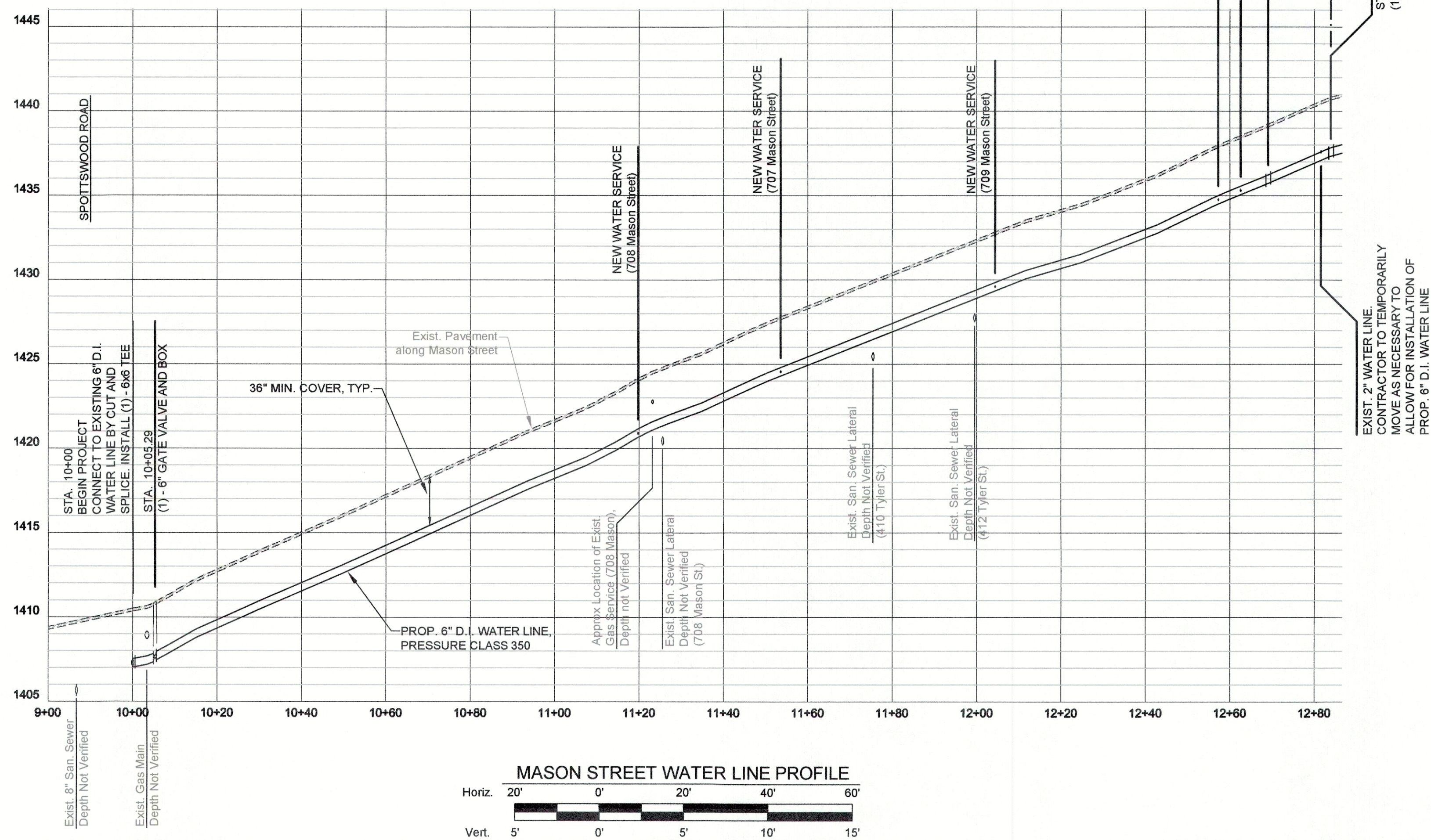
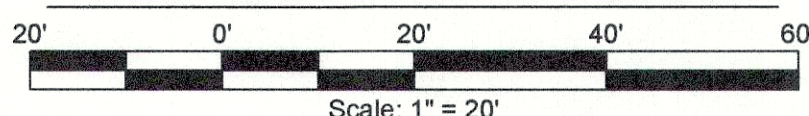
SHEET INDEX

SHEET 1	TITLE SHEET
SHEET 2	MASON STREET PLAN AND PROFILE
SHEET 3	TYLER STREET PLAN AND PROFILE
SHEET 4	MOUNTAIN VIEW DRIVE PLAN AND PROFILE
SHEET 5	MOUNTAIN VIEW DRIVE PLAN AND PROFILE
SHEET 6	DETAILS

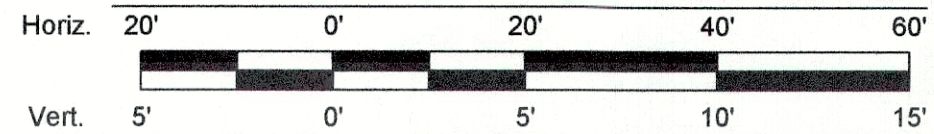




MASON STREET WATER LINE PLAN

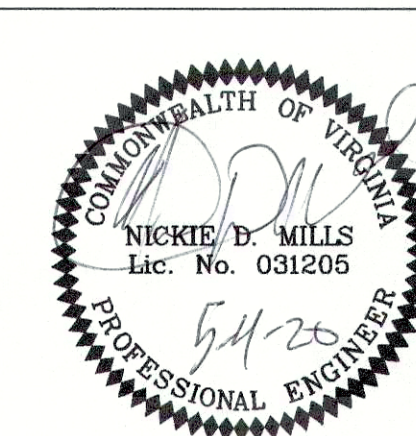


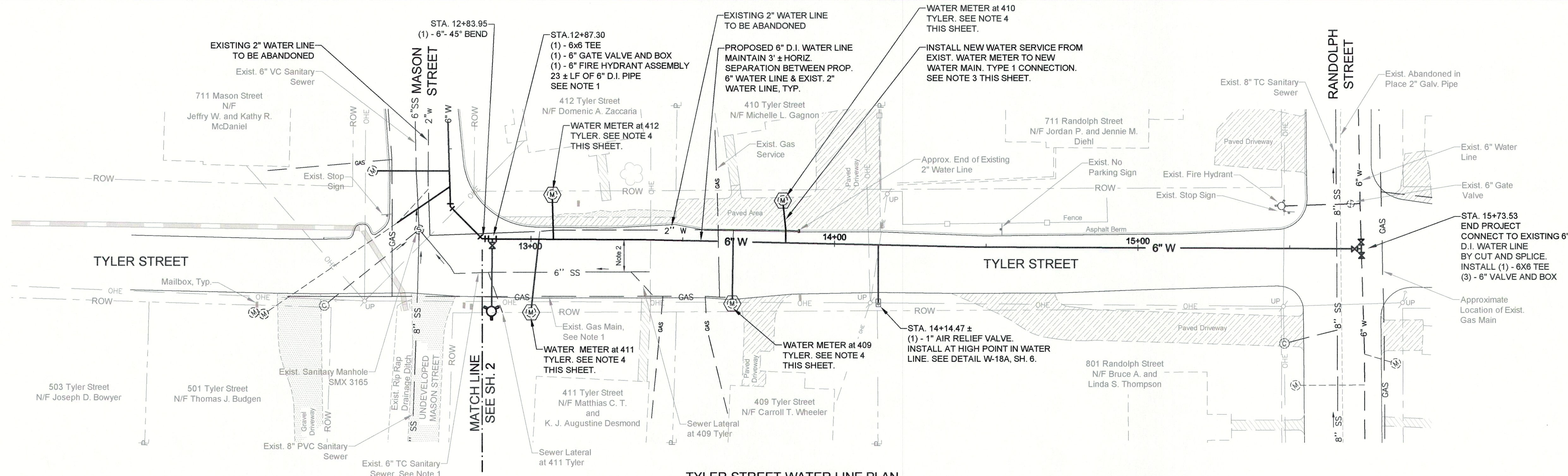
MASON STREET WATER LINE PROFILE



NOTES

1. NEW WATER SERVICE LINES ARE PROPOSED TO BE CROSS-LINKED POLYETHYLENE (XLPE) PRESSURE PIPE (MUNICIPEX OR APPROVED EQUAL) WITH TRACER WIRE.
2. WATER METER ASSEMBLIES ARE PROPOSED TO BE REPLACED AT THE FOLLOWING ADDRESSES:
 ○ 707 MASON STREET
 708 MASON STREET
 711 MASON STREET
 SEE DRAWING NUMBER W - 7, TYPE I CONNECTION, SHEET 6.
3. CONTRACTOR SHALL CONTACT AND COORDINATE WITH PUBLIC WORKS 48 HOURS PRIOR TO CONNECTING TO EXISTING WATER MAIN AND TO ALL SERVICES.
4. CONNECT TO EXISTING SERVICE LINE AT LOCATION INDICATED. SEE DRAWING NUMBER W-8B, SHEET 6. TO BE PAID FOR AS TYPE II-B CONNECTION.



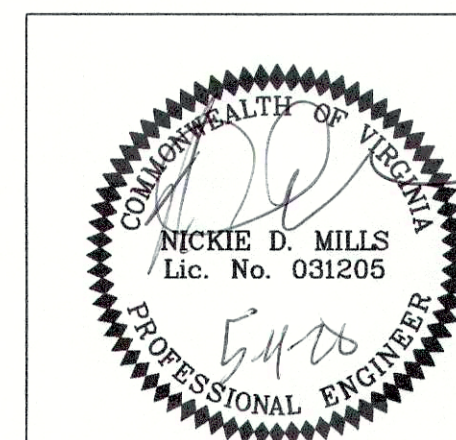
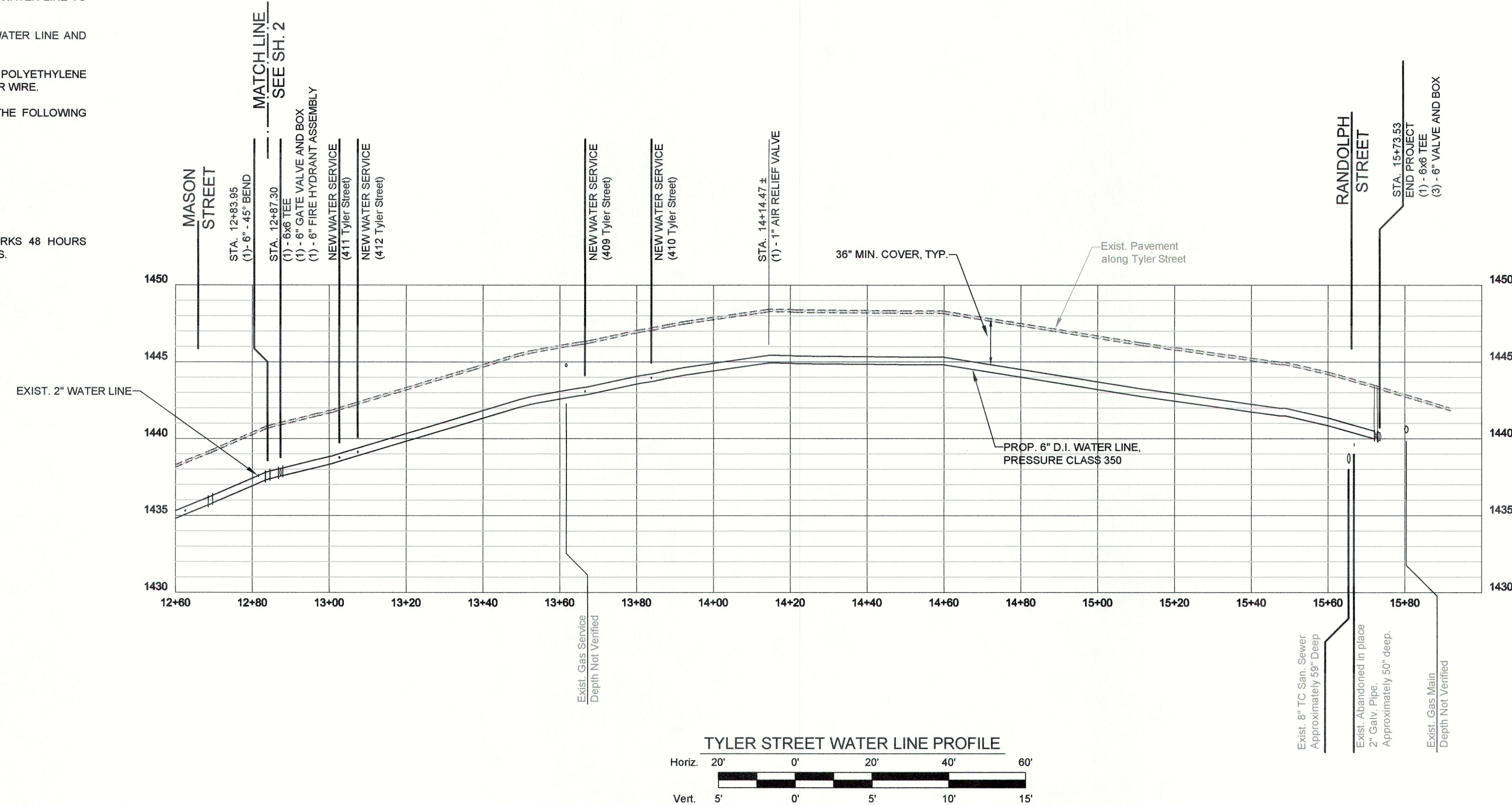


NOTES

- ROUTE PROPOSED 6" D.I. PIPE TO PROPOSED FIRE HYDRANT OVER EXISTING 6" TC SAN. SEWER AND GAS MAIN. EXIST. SEWER AND GAS MAIN IN THIS VICINITY ARE APPROXIMATELY 41" DEEP. MAINTAIN 30" MIN. COVER FOR PROPOSED WATER LINE TO FIRE HYDRANT.
- MAINTAIN 10 FT. HORIZONTAL SEPARATION BETWEEN PROPOSED 6" WATER LINE AND EXISTING 6" TC SEWER.
- NEW WATER SERVICE LINES ARE PROPOSED TO BE CROSS-LINKED POLYETHYLENE (XLPE) PRESSURE PIPE (MUNICIPLEX OR APPROVED EQUAL) WITH TRACER WIRE.
- WATER METER ASSEMBLIES ARE PROPOSED TO BE REPLACED AT THE FOLLOWING ADDRESSES:

409 TYLER STREET
410 TYLER STREET
411 TYLER STREET
412 TYLER STREET

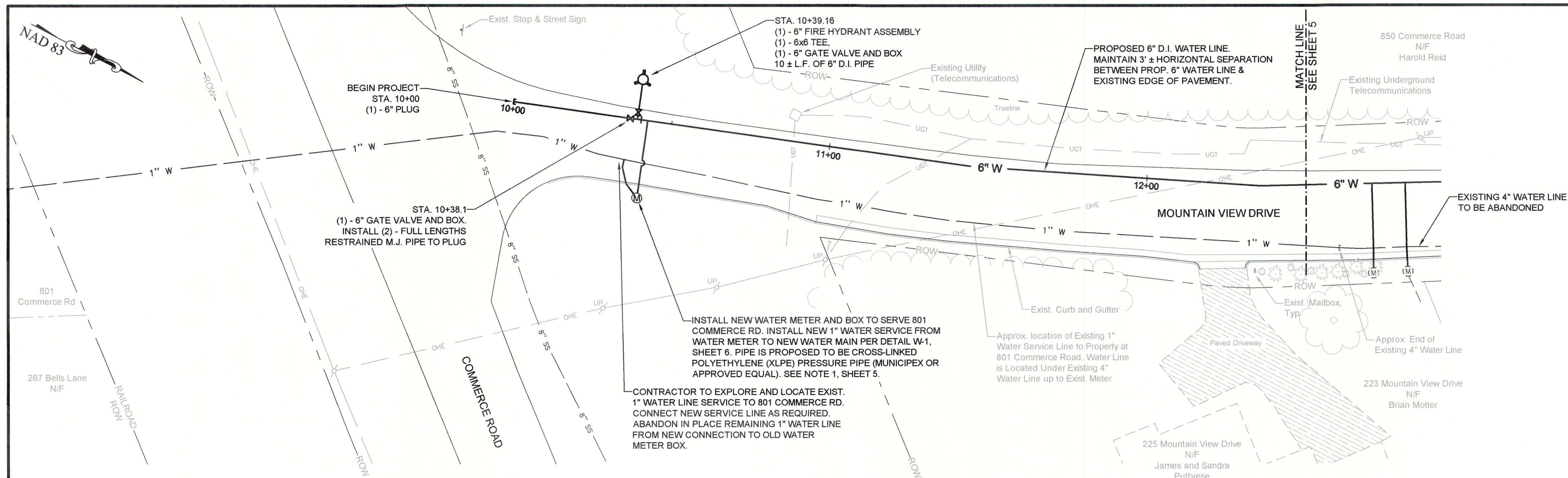
SEE DETAIL W - 7, TYPE I CONNECTION, SHEET 6.
- CONTRACTOR SHALL CONTACT AND COORDINATE WITH PUBLIC WORKS 48 HOURS PRIOR TO CONNECTING TO EXISTING WATER MAIN AND TO ALL SERVICES.



CITY OF STAUNTON
Engineering Department
116 W. Beverley St., P.O. Box 58, Staunton, VA 24402
540-332-3858
FY 20 WATER LINE IMPROVEMENTS
TYLER STREET - PLAN and PROFILE

May 4, 2020

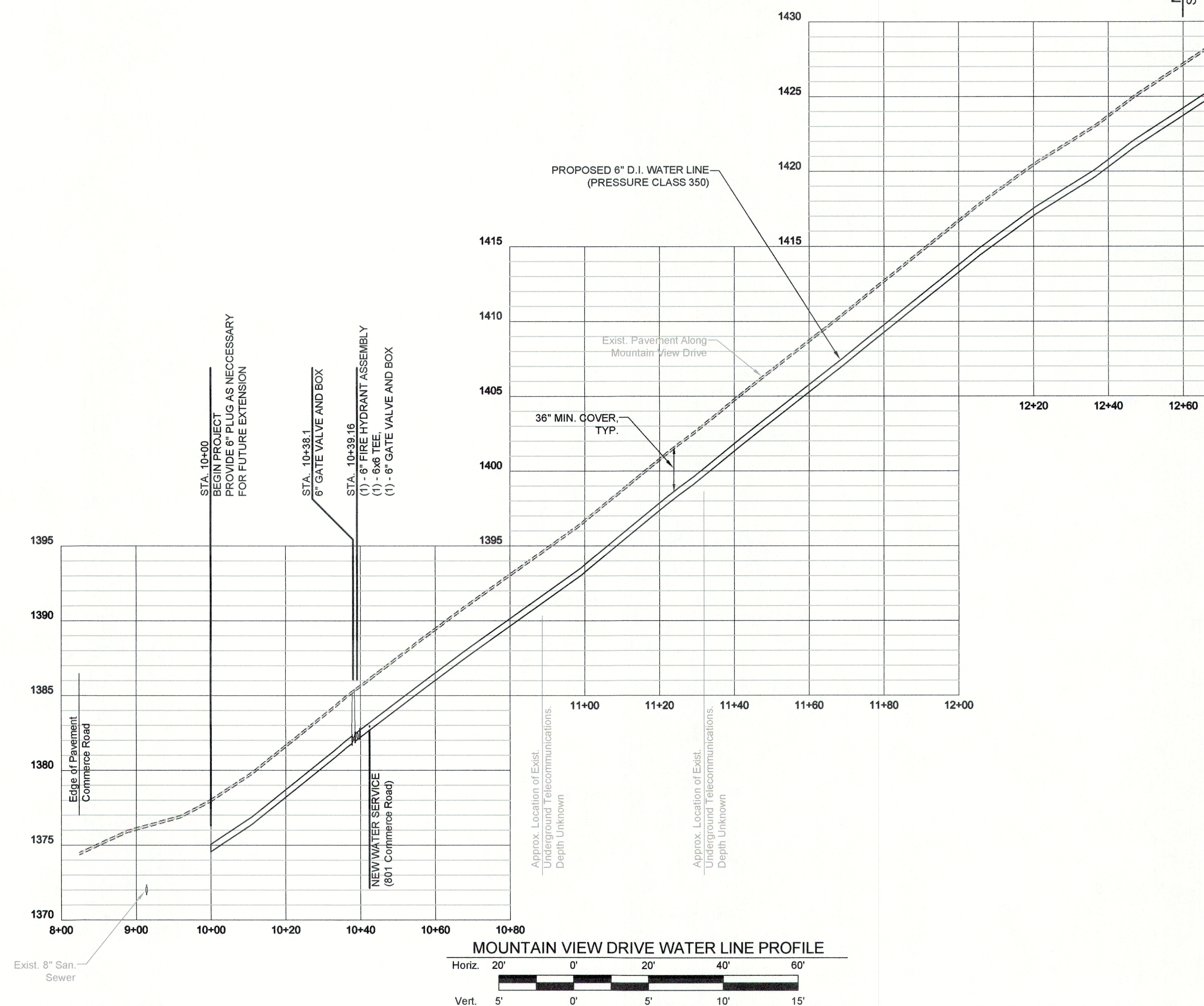
SH. 3 OF 6



MOUNTAIN VIEW DRIVE WATER LINE PLAN

20' 0' 20' 40' 60'

Scale: 1" = 20'



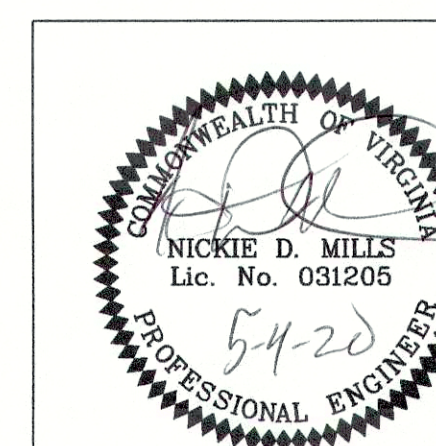
MOUNTAIN VIEW DRIVE WATER LINE PROFILE

Horiz. 20' 0' 20' 40' 60'

Vert. 5' 0' 5' 10' 15'

NOTES

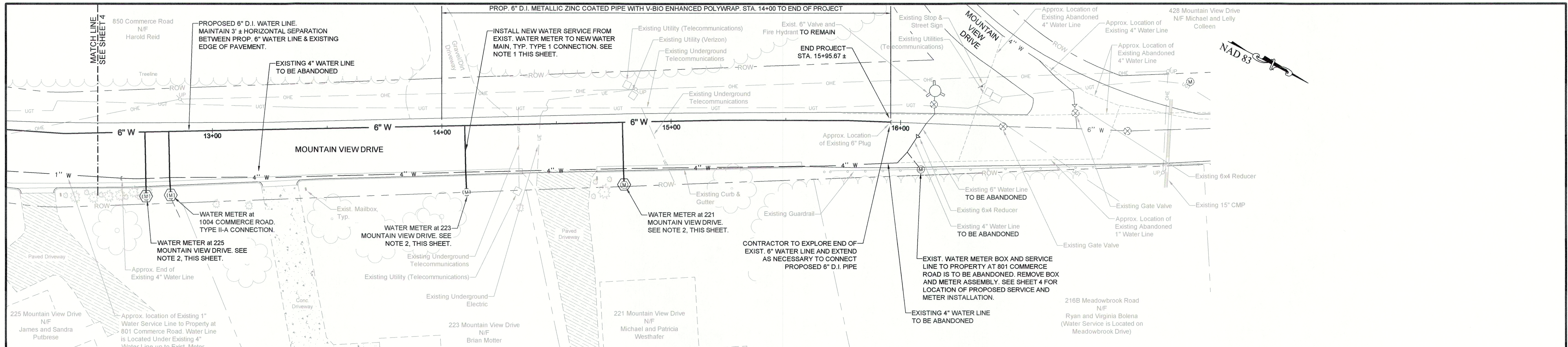
1. CONTRACTOR SHALL CONTACT AND COORDINATE WITH PUBLIC WORKS 48 HOURS PRIOR TO CONNECTING TO EXISTING WATER MAIN AND TO ALL SERVICES.



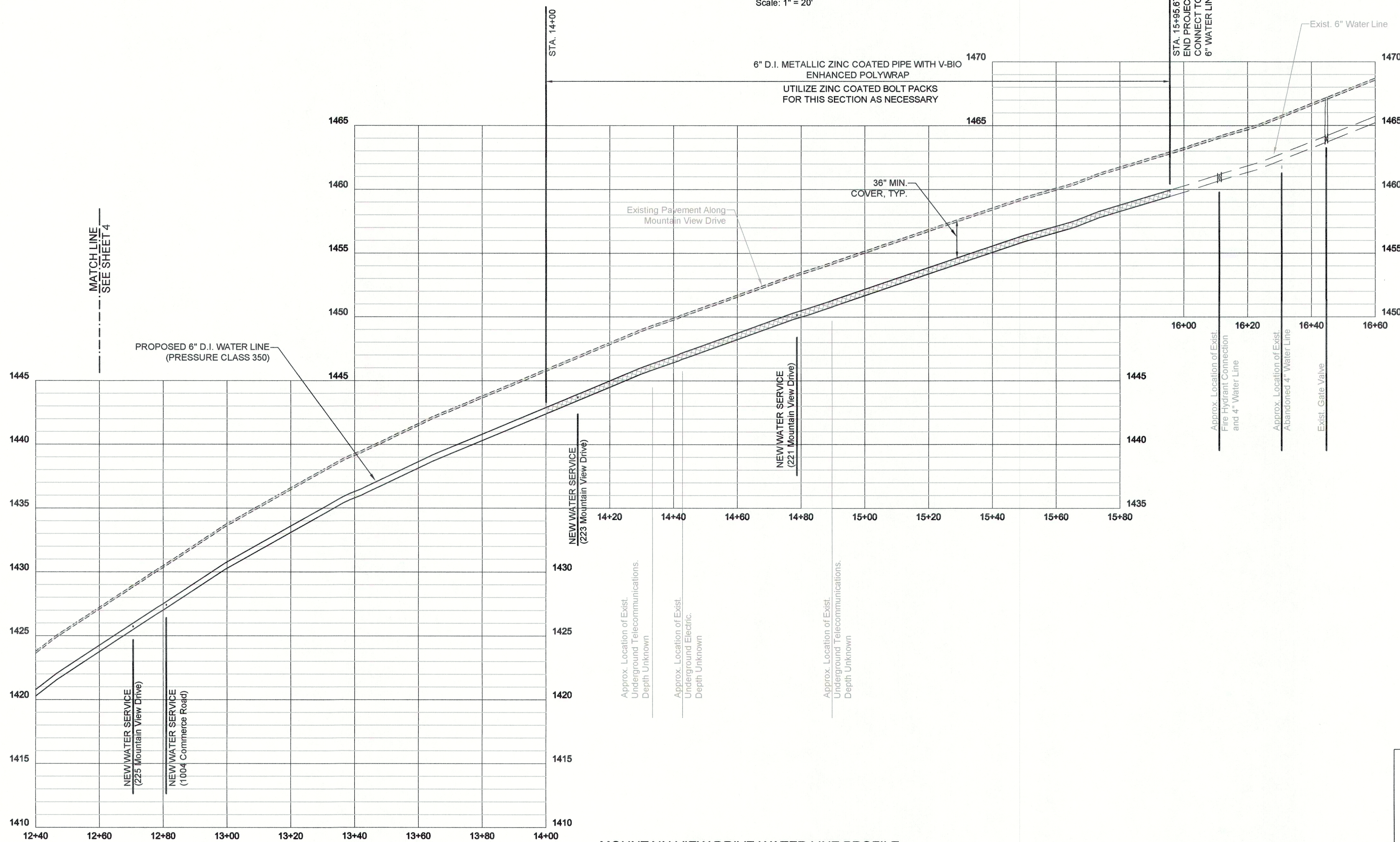
CITY OF STAUNTON
 Engineering Department
 116 W. Beverley St., P.O. Box 58, Staunton, VA 24402
 540-332-3858
FY 20 WATER LINE IMPROVEMENTS
 Mountain View Drive - Plan and Profile

May 4, 2020

SH. 4 OF 6



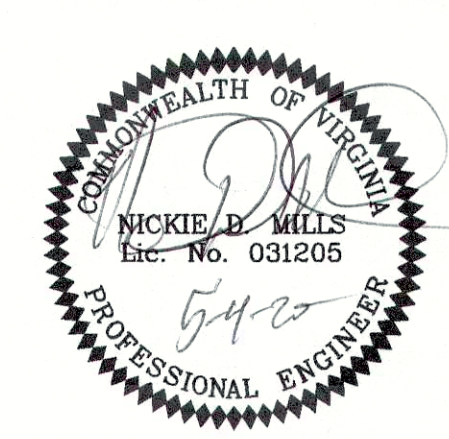
MOUNTAIN VIEW DRIVE WATER LINE PLAN
 Scale: 1" = 20'



MOUNTAIN VIEW DRIVE WATER LINE PROFILE
 Horiz. 1" = 20'
 Vert. 1" = 5'

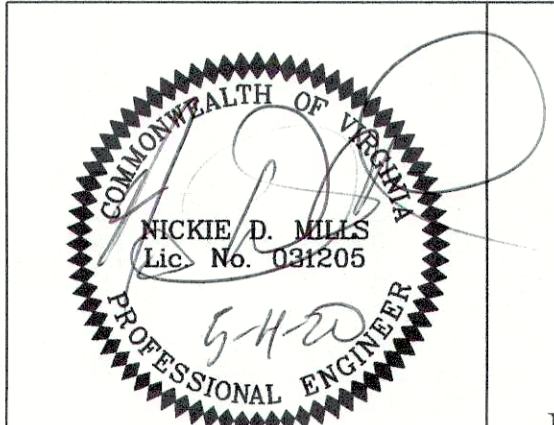
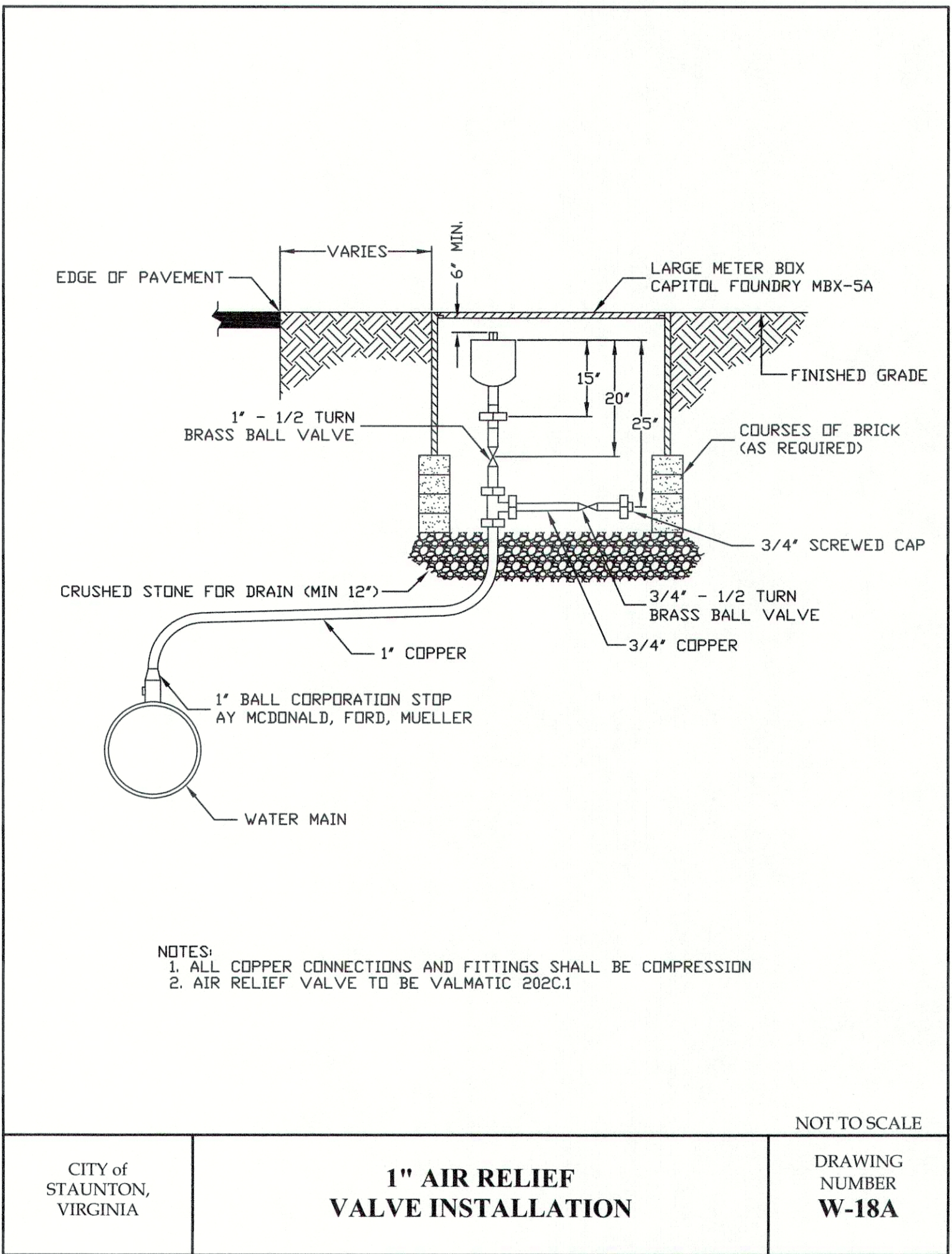
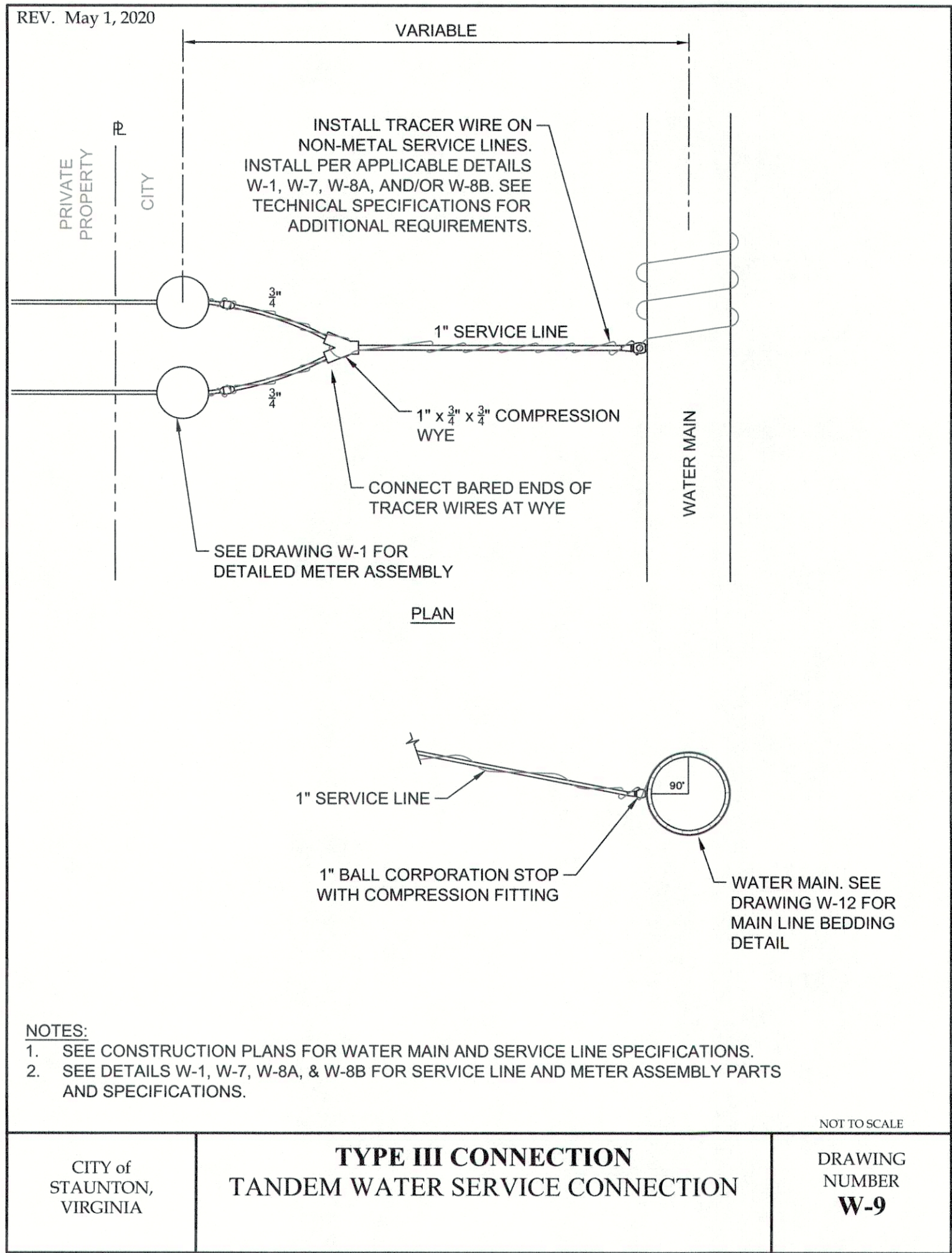
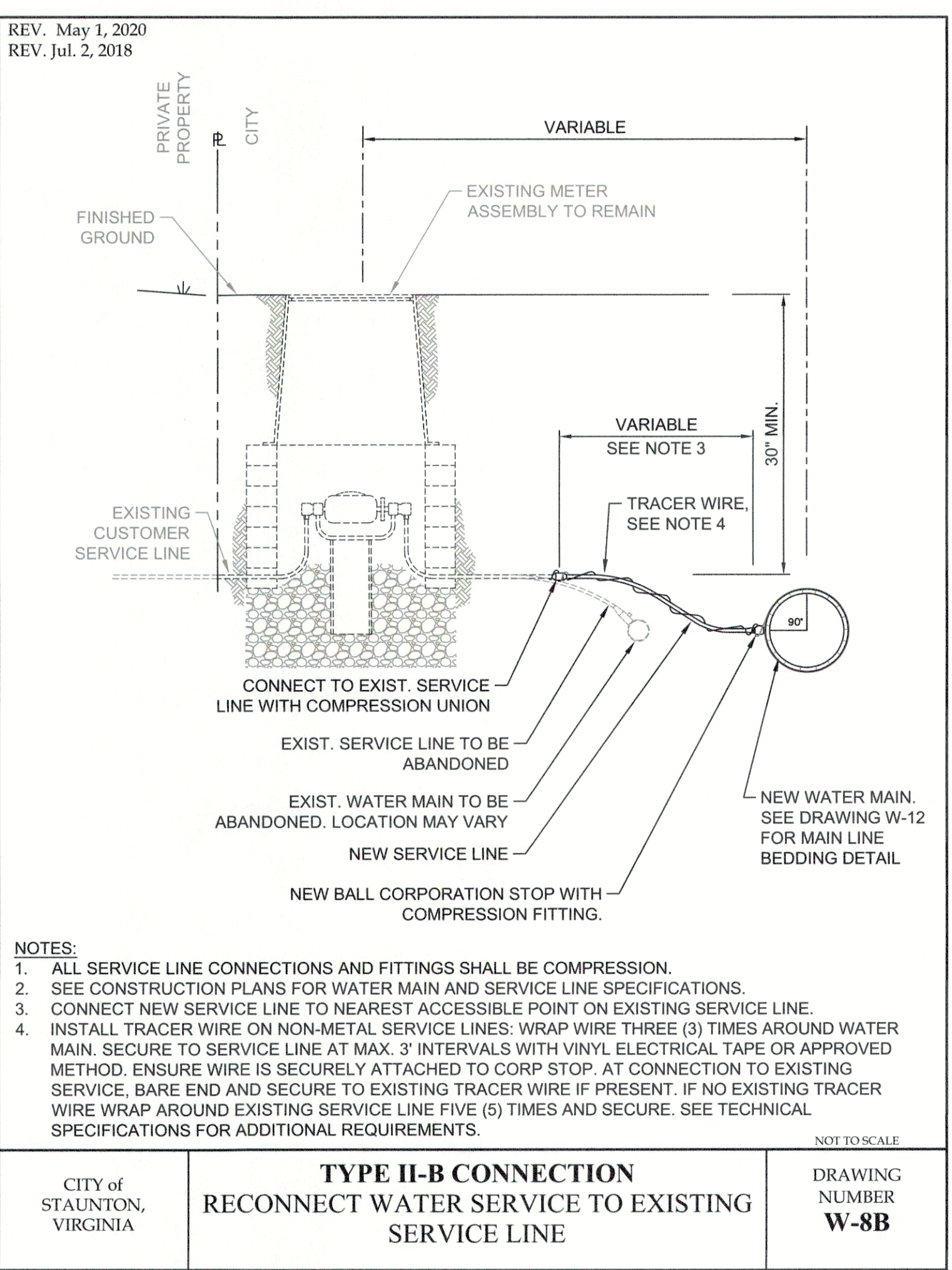
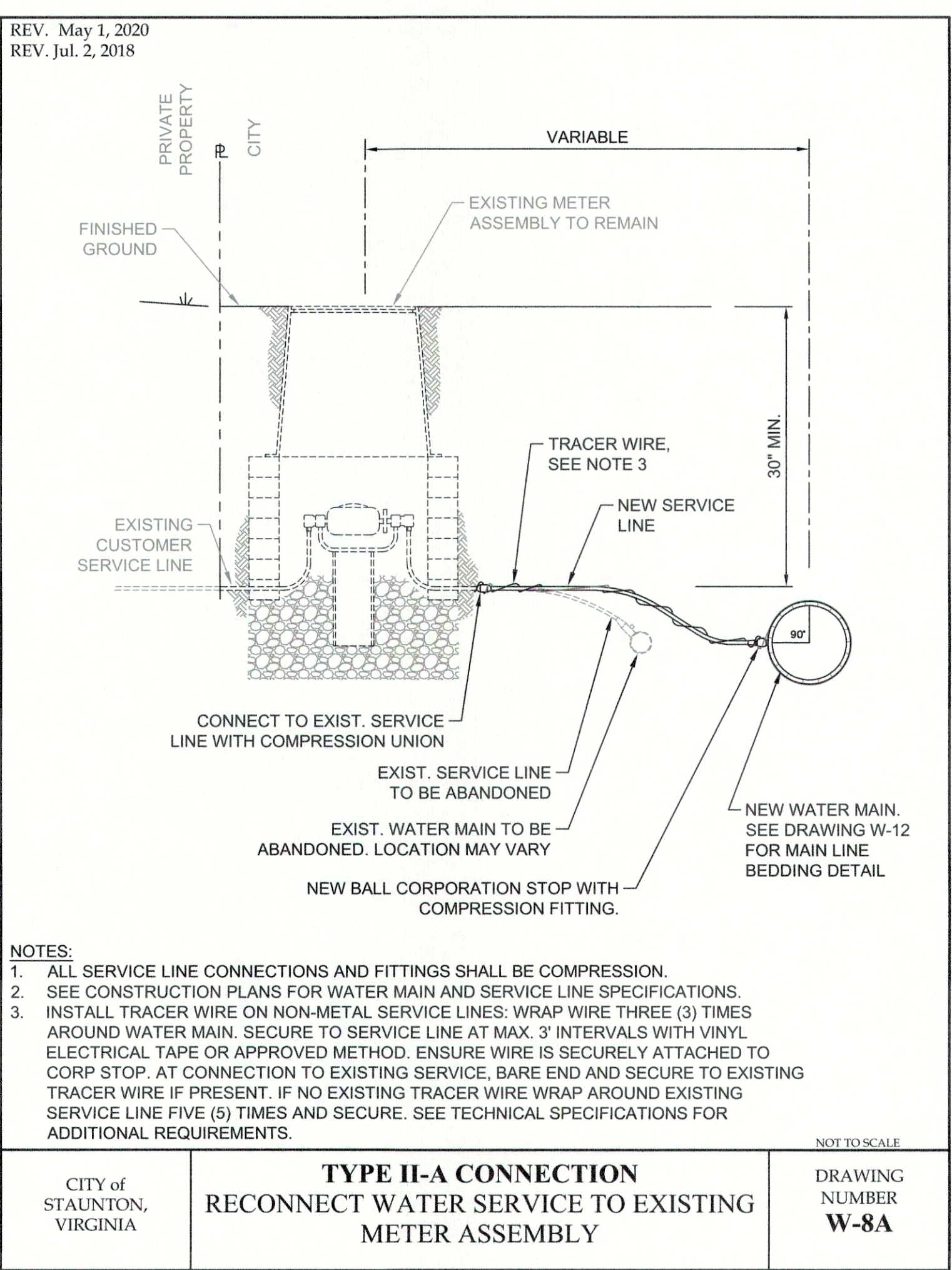
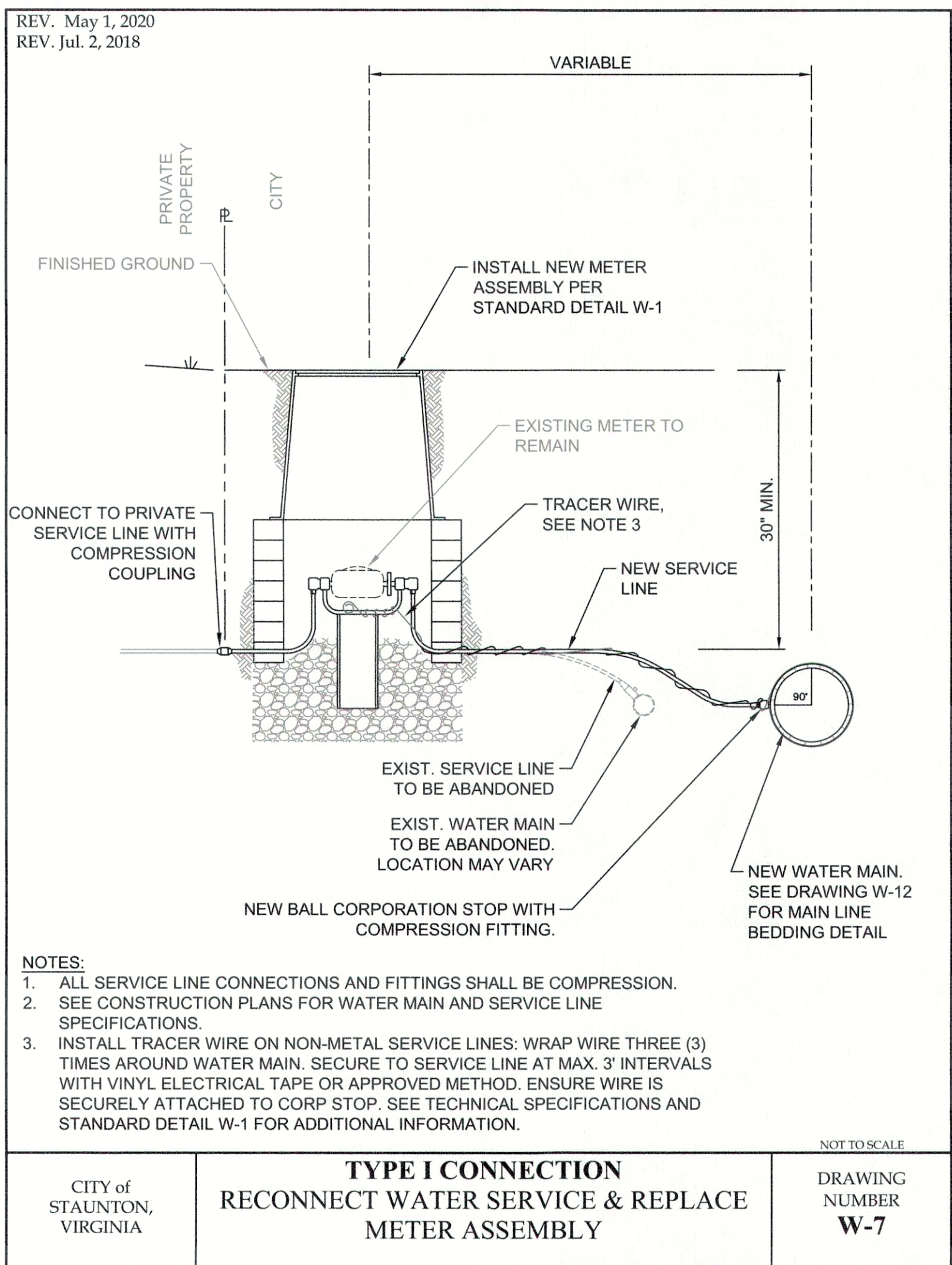
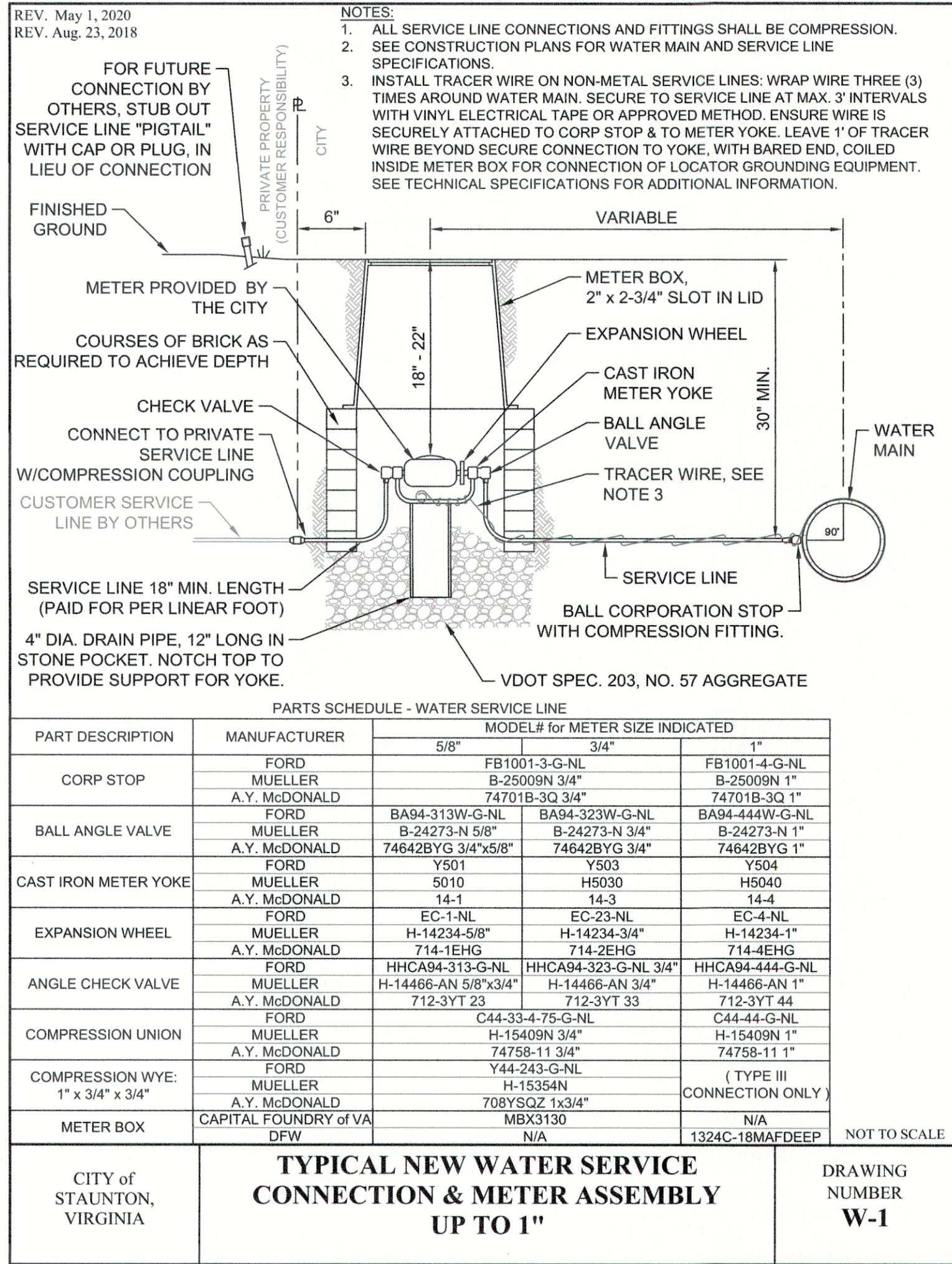
NOTES

1. NEW WATER SERVICE LINES ARE PROPOSED TO BE CROSS-LINKED POLYETHYLENE (XLPE) PRESSURE PIPE (MUNICIPEX OR APPROVED EQUAL) WITH TRACER WIRE.
2. WATER METER ASSEMBLIES ARE PROPOSED TO BE REPLACED AT THE FOLLOWING ADDRESSES:
 ○ 221 MOUNTAIN VIEW DRIVE
 ○ 223 MOUNTAIN VIEW DRIVE
 ○ 225 MOUNTAIN VIEW DRIVE
 SEE DETAIL W - 7, TYPE 1 CONNECTION, SHEET 6.
3. CONTRACTOR SHALL CONTACT AND COORDINATE WITH PUBLIC WORKS 48 HOURS PRIOR TO CONNECTING TO EXISTING WATER MAIN AND TO ALL SERVICES.



CITY OF STAUNTON
 Engineering Department
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FY 20 WATER LINE IMPROVEMENTS
 Mountain View Drive - Plan & Profile

May 4, 2020



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DETAILS

May 4, 2020

SH. 6 OF 6