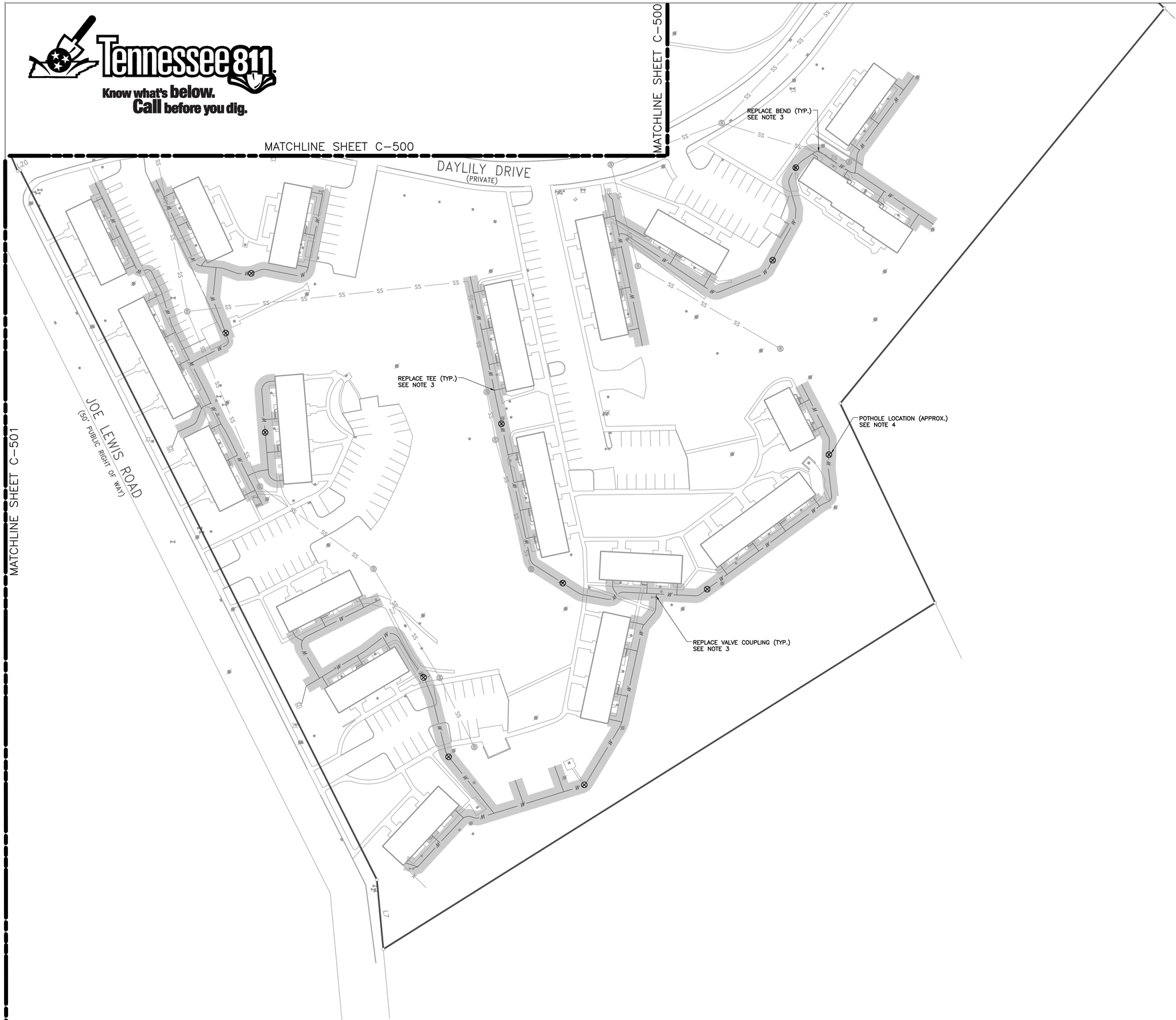

NOTES

1. EXISTING PROPERTY SURVEY DATA SHOWN IS FROM A SURVEY PREPARED BY ROTH LAND SURVEYING DATED JANUARY 3, 2017. ARCHITECT/ENGINEER IS NOT RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN.

2. EXISTING WATER DISTRIBUTION NETWORK SHOWN IS FROM ORIGINAL DESIGN PLANS BY FULGHUM MACINDOE & ASSOCIATES DATED MARCH 27, 2010. THE LOCATIONS OF WATER AND ALL OTHER UTILITIES ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR. ARCHITECT/ENGINEER IS NOT RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN.

3. REFERENCE ATTACHED FULGHUM MACINDOE & ASSOCIATES DRAWINGS DATED MARCH 27, 2010 FOR ANTICIPATED WATER DISTRIBUTION NETWORK PIPE DIAMETERS.

4. SHADED AREA REPRESENTS EXTENT OF PRIVATE WATER SERVICE LINE TO BE REHABILITATED VIA REPLACEMENT OF FITTINGS. REFERENCE ALLOWANCE AND UNIT PRICE SECTIONS OF CONSTRUCTION MANUAL FOR SPECIFIC FITTINGS TO BE LOCATED AND REPLACED UNDER THIS CONTRACT.

5. POTHOLE LOCATIONS ARE APPROXIMATE AND INDICATE GENERAL LOCATION WHERE PIPE COVER DEPTH SHOULD BE DETERMINED. EXACT LOCATION SHALL BE SELECTED SUBJECT TO THE LOCATION OF WATER SERVICE LINE AND AVOIDANCE OF SURFACE AND SUB-SURFACE OBSTACLES TO THE MAXIMUM EXTENT POSSIBLE. ALL POTHOLED LOCATIONS WHERE COVER DEPTH IS LESS THAN 36 INCHES FROM THE CROWN OF PIPE SHALL BE RECORDED, MARKED AND REPORTED TO THE OWNER.

6. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND PAY ALL PERMITTING FEES PRIOR TO COMMENCEMENT OF CONSTRUCTION.

7. COORDINATE WORK ON PRIVATE WATER UTILITIES WITH OWNER. AT OWNER'S DISCRETION, WORK MAY BE PERFORMED IN PHASES IN ORDER TO MAINTAIN WATER SERVICE TO INHABITED FACILITIES.

8. NO WORK SHALL BE PERFORMED ON PUBLIC WATER DISTRIBUTION SYSTEMS.

9. NOTIFY OWNER IMMEDIATELY IF DEFECTIVE WATER SYSTEMS OUTSIDE OF THE SCOPE OF THIS WORK ARE UNCOVERED DURING CONSTRUCTION.

10. ALL TRENCH SPOILS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF OFFSITE AT NO ADDITIONAL COST TO THE OWNER IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS.

11. ALL WORK OR ALTERATIONS TO EXISTING PRIVATE WATER SERVICE LINES SHALL BE PERFORMED BY A LICENSED PLUMBER PER CITY OF KNOXVILLE PLUMBING CODE.

12. MECHANICAL FITTINGS AND COUPLINGS SHALL BE DESIGNED FOR USE AND COMPATIBLE WITH HDPE PIPE, INCLUDING INTERNAL STIFFENERS WHEN REQUIRED BY MANUFACTURER. MECHANICAL FITTINGS AND COUPLINGS SHALL HAVE A PRESSURE RATING EQUAL TO OR GREATER THAN THE HOST PIPE AND SHALL BE DESIGNED TO RESIST PULLOUT.

13. EMPLOY RESTRAINT DEVICES OR ANCHORAGE SYSTEMS AS RECOMMENDED BY MANUFACTURER FOR ALL MECHANICAL COUPLING APPLICATIONS TO PREVENT AXIAL MOVEMENT TO WATER SERVICE LINES.

14. MAINTAIN MINIMUM 10-FOOT HORIZONTAL AND 18-INCH MINIMUM VERTICAL SEPARATION BETWEEN SANITARY SEWER, STORM SEWER AND WATER SUPPLY LINE, UNLESS OTHERWISE INDICATED.

15. NOTIFY ARCHITECT IF CONDITIONS IN THE FIELD DEVIATE FROM THOSE SHOWN ON THE PLANS.

16. EROSION CONTROL
16.1. TEMPORARY SEEDING IS REQUIRED WHEN EARTHMOVING OPERATIONS ARE TEMPORARILY HALTED FOR OVER 14 DAYS AND ON SOIL STOCKPILES.
16.2. PERMANENT SEEDING IS REQUIRED WHEN EARTHMOVING OPERATIONS ARE COMPLETED AND WHEN CONSTRUCTION OPERATIONS WILL NOT IMPACT THE DISTURBED AREA. CONTRACTOR SHALL INSPECT THE SITE PERIODICALLY TO REPAIR AND RE-ESTABLISH VEGETATION TO DAMAGED AREAS INCLUDING SEEDED AREAS THAT SHOW SIGNS OF EXCESSIVE EROSION. EROSION CONTROL MATTING SHALL BE USED ON ALL DISTURBED SLOPES STEEPER THAN 3 TO 1.
16.3. INSTALL INLET PROTECTION IN ALL STORMWATER INLET STRUCTURES RECEIVING RUNOFF FROM LAND DISTURBING ACTIVITIES ASSOCIATED WITH THIS PROJECT. ADDITIONAL EROSION PREVENTION METHODS AS SHOWN IN THE PROJECT DETAILS OR OUTLINED IN THE TN EPSC HANDBOOK SHALL BE EMPLOYED AS-NEEDED TO STABILIZE DISTURBED AREAS AND PREVENT SEDIMENT FROM ENTERING STORM DRAINS OR ROADWAYS.

LEGEND

- EXISTING PROPERTY LINE
- EXISTING FENCE
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER

SCALE IN FEET
0 50 100

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GREGORY HOUSTON PRESNELL
REGISTERED ENGINEER
COMMERCE
NO. 112.55
STATE OF TENNESSEE
10/15/18

DATE	ISSUE FOR
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Sheet Title

WATER SERVICE REHABILITATION PLAN

Project Number	Sheet Number
18110	C-502
Date	
10-15-2018	