HARRIMAN UTILITY BOARD SWAN POND RD. WATERLINE REPLACEMENT HARRIMAN, TENNESSEE

DRAWING INDEX

- COVER SHEET
- 2 SWAN POND RD WATERLINE STA. 0+00 TO STA. 20+15 (E.O.L)
- 3 TYPICAL DETAILS

GENERAL NOTES

- 1. THE LOCATIONS OF THE EXISITING LINES SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND INCOMPLETE.
 LINES SHALL BE LOCATED BY CALLING THE TENNESSEE ONE CALL SYSTEM AT 811 AND POT-HOLING
 AS NECESSARY
- 2. EXISITING WATER LINE DIAMETERS AND MATERIALS ARE FROM HISTORICAL RECORDS. INSTALLER SHALL VERIFY BY POT-HOLING PRIOR TO ORDERING MATERIAL FOR TIE-INS, CUT AND CAPS, AND BANDING.
- 3. PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD THE EXISTING LINES FROM DAMAGE DURING THE CONSTRUCTION OF THIS PROJECT. FURNISH ANY SPECIAL EQUIPMENT REQUIRED TO WORK OVER AND AROUND THE LINES WITHOUT CAUSING THEM DAMAGE. IF DAMAGE DOES OCCUR, IMMEDIATELY NOTIFY UTILITY OWNER AND WORK TO RESTORE SERVICE. COST OF REPAIR OR REPLACEMENT OF DAMAGED LINES SHALL BE INSTALLER'S RESPONSIBILITY.
- 4. LINES SHALL BE LOCATED BY CALLING THE TENNESSEE ONE CALL SYSTEM AT 811.
- 5. TRENCH DESIGN AND SAFETY FOR PIPELINE CONSTRUCTION IS SOLELY THE RESPONSIBILITY OF THE INSTALLER AND SHALL CONFORM WITH ALL APPLICABLE LOCAL, STATE, AND OSHA REGULATIONS.
- 6. STONE BEDDING AND BACKFILL SHALL BE INSTALLED IN STRICT COMPLIANCE WITH HUB STANDARD SPECIFICATIONS.
- 7. All WATER LINES AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH HUB STANDARD SPECIFICATIONS.
- 8. INSTALLER SHALL INSTALL WATER LINES AT A POSITIVE GRADE BETWEEN DESIGNATED HIGH AND LOW POINTS TO PREVENT TRAPPING OF AIR.
- 9. PROPOSED AIR RELEASE VALVES SHALL BE INSTALLED AT HIGH POINTS IN THE PROPOSED WATER LINE AND SHALL BE FIELD LOCATED BY THE ENGINEER.
- 10. INSTALLER TO COORDINATE FIELD LOCATIONS OF PROPOSED FIRE HYDRANTS, WATER SERVICES AND METERS WITH HUB LEAD GWS FOREMAN.
- 11. VALVES, HYDRANTS AND METER ASSEMBLIES SHALL BE ORIENTED SO AS TO ASSURE WATER LINE APPURTENANCES ARE NOT LOCATED WITHIN SIDEWALK AND/OR CURB/CURB & GUTTER AREAS.
- 12. INSTALLER SHALL USE RESTRAINED JOINT FITTINGS FOR ALL WATER PIPE FITTINGS, EXCEPT FOR FITTINGS AT TIE-IN CONNECTIONS WHICH SHALL BE RESTRAINED WITH CONCRETE THRUST BLOCKS.
- 13. INSTALLER SHALL INSTALL DETECTION WIRE AND WARNING TAPE PER HUB STANDARD SPECIFICATIONS.

 14. WATER MAIN MIN. COVER SHALL BE 30" AND MAX COVER SHALL BE 54', UNLESS OTHERWISE APPROVED BY HUB LEAD GWS FOREMAN.
- 15. PAVEMENT SHALL BE SAW CUT IN RECTANGULAR SECTIONS WITH NEAT SQUARED EDGES.
- 16. BACKFILL IN PAVED AREAS SHALL BE COMPACTED IN MAXIMUM 6" LIFTS USING "JUMPING JACK" STYLE COMPACTOR.
- 17. All ½" WATER METERS AND ½" WATER SERVICE PIPE SHALL BE REPLACED WITH ¾" WATER METERS AND ¾" WATER SERVICE PIPE.
- 18. WATER TAPS MUST BE PERFORMED WITH "HOT" LINES. TEMPORARY SHUT-DOWNS ARE NOT ALLOWED.
- 19. METER CONNECTIONS TO EXISTING METERS SHALL INCLUDE NEW CURB STOP AND SPUD TO METER AND NEW RUBBER GASKET ON METER.
- 20. WATER LINES SHALL BE INSTALLED WITH A MINIMUM OF 10' HORIZONTAL SEPARATION FROM EXISTING SANITARY SEWER. WHERE 10' SEPARATION CANNOT BE ACHIEVED, WATER LINE SHALL BE MINIMUM 18" ABOVE SANITARY SEWER.
- 21. PRESSURE TESTING AND DISINFECTION PROCEDURES SHALL BE IN ACCORDANCE WITH HUB STANDARD SPECIFICATIONS.













