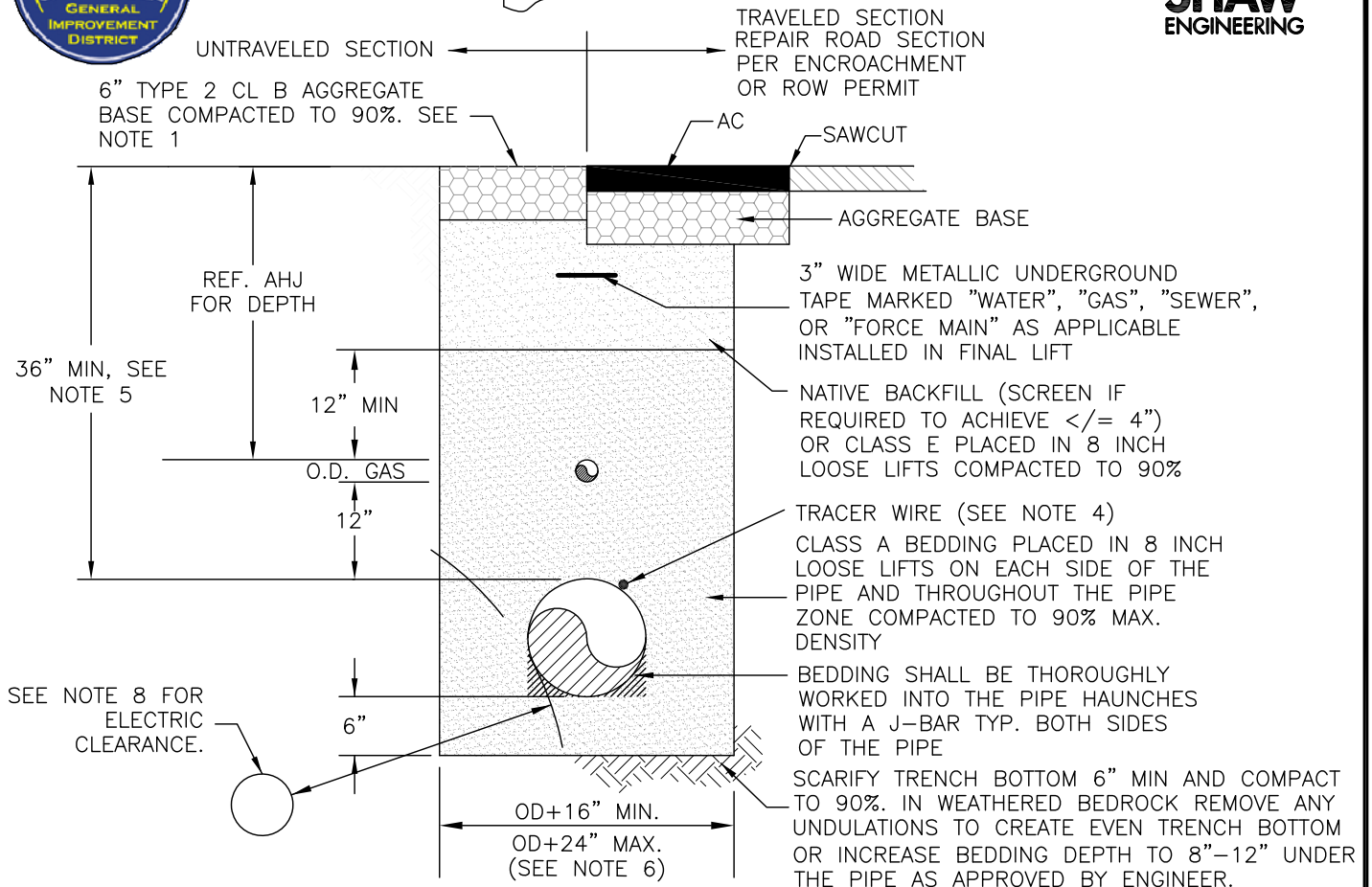


72" BLUE FIBERGLASS PIPELINE MARKER
INSTALLED BEGINNING AND END, EVERY
200 FT, ANGLE POINTS, VALVES, TEST
STATIONS (EXCEPT FOR TRAVELED ROADS)

PREPARED BY



NOTES:

1. UNPAVED ROADS SHALL RECEIVE AGGREGATE BASE. SHOULDERS AND OTHER AREAS SHALL BE RESTORED TO MATCH THE CONDITIONS WHICH EXISTED PRIOR TO CONSTRUCTION.
2. CONTRACTOR IS RESPONSIBLE FOR TRENCH EXCAVATION SAFETY INCLUDING SHORING AS REQUIRED.
3. ALL COMPACTION REQUIREMENTS ARE RELATIVE TO ASTM D1557.
4. TRACER WIRE SHALL BE 12 GAUGE (MIN THICKNESS) INSULATED SOLID COPPER-CLAD STEEL CORE WIRE. INSULATION SHALL BE 30 MIL HDPE. SPLICES SHALL BE CONNECTED BY WIRE NUTS, SEALED WITH AQUA SEAL OR SILICON FILLED, AND DOUBLE WRAPPED WITH U/L LISTED ELECTRICAL TAPE. TRACER WIRE SHALL BE BLUE FOR WATER AND GREEN FOR SEWER.
5. DEPTH OF WATER MAIN VARIES BUT SHALL NOT BE LESS THAN 36-INCHES FROM FINISHED GRADE TO TOP OF PIPE WITHOUT PRIOR APPROVAL OF SVGID. SEE PLAN AND PROFILE DRAWINGS FOR PROJECT SPECIFIC WATER PIPE DEPTHS.
6. FOR UNSUPPORTED TRENCHES, OR THOSE TRENCHES SUPPORTED BY HYDRAULIC JACKS, THE ALLOWABLE TRENCH WIDTH SHALL BE LIMITED TO THE PIPE DIAMETER PLUS 16 INCHES MINIMUM OR THE PIPE DIAMETER PLUS 24 INCHES MAXIMUM. WHEN MOVEABLE TYPE TRENCH SHIELDS ARE USED, THE SHIELD SHALL REST ON TOP OF A SHELF CONSTRUCTED ABOVE THE TOP OF THE PIPE AND TO THE SIDE. THE TRENCH WIDTH FROM THE TOP OF THE PIPE DOWN SHALL BE THE SAME AS FOR UNSUPPORTED TRENCHES. THE TRENCH WIDTH ABOVE THE TOP OF THE PIPE SHALL BE AS REQUIRED FOR THE MOVEABLE SHIELD AND SHELF. WHERE MOVEABLE TRENCH SHIELDS ARE USED BELOW THE TOP OF PIPE, THE TRENCH WIDTH SHALL BE 2.5 PIPE DIAMETERS ON EITHER SIDE OF THE PIPE MINIMUM.
7. ANY CONDITION OF AN ENCROACHMENT OR RIGHT OF PERMIT WHICH DIFFER FROM THE ABOVE WILL GOVERN IN APPLICABLE AREAS.
8. ELECTRICAL UTILITIES MUST BE LOCATED BELOW WATER & MAINTAIN 2' MINIMUM RADIAL CLEARANCE FROM SVGID WATER FACILITIES. IF 2' RADIAL CLEARANCE CAN NOT BE MET ELECTRICAL CONDUIT MUST BE CONCRETE ENCASED AT LEAST 18" EACH SIDE OF WATER CROSSING. FIBER OPTIC AND/OR COMMUNICATION CONDUITS SHALL NOT BE PLACED IN THE SAME TRENCH AS WATER.

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**TRENCH DETAIL
GAS AND WATER**

NOT TO SCALE

DRAWING

SV-5B

4/25/23