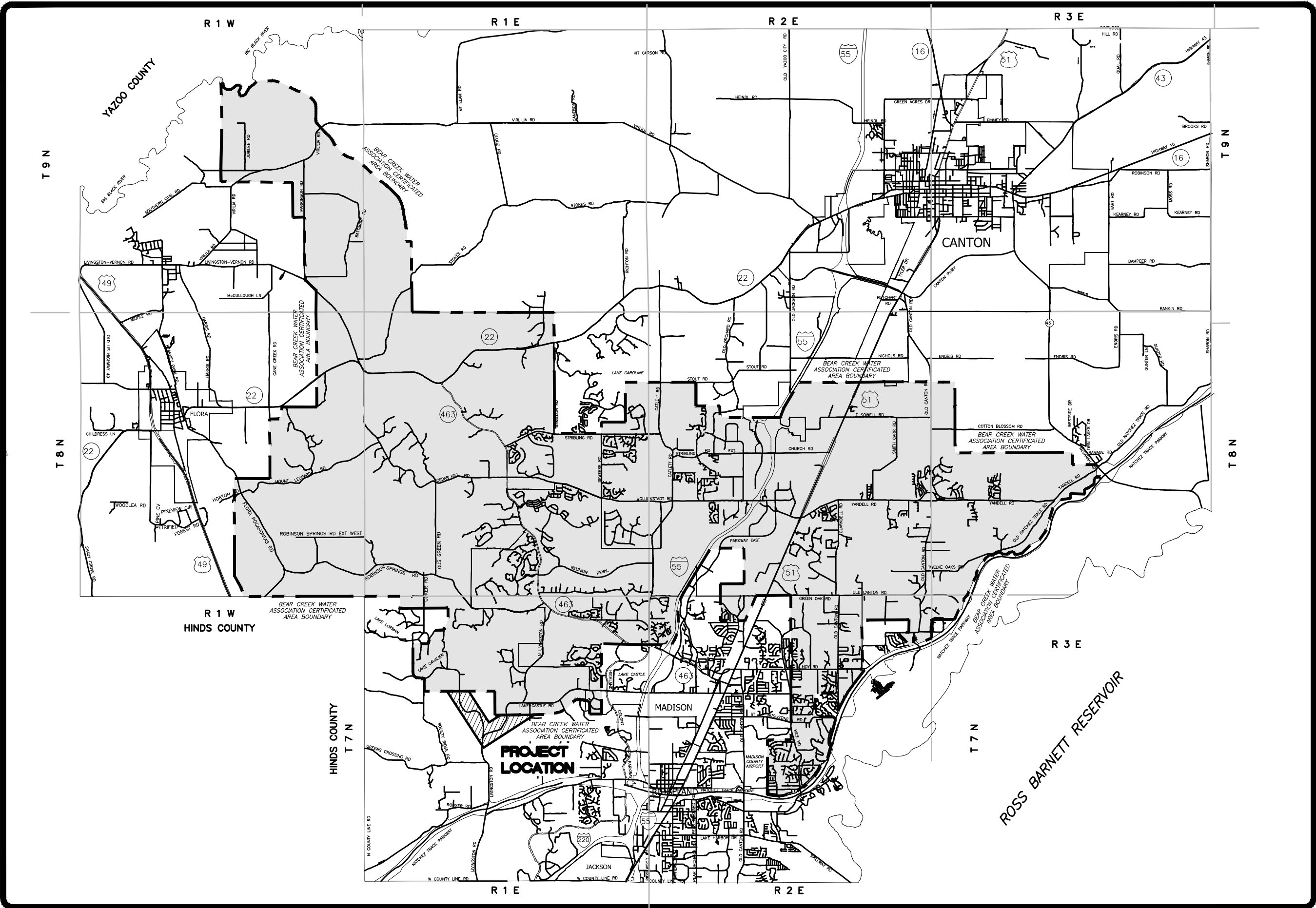


LAKE CAVALIER ROAD & N. LIVINGSTON ROAD WATER MAIN TRANSMISSION & SYSTEM EXTENSION

ASSOCIATION OFFICIALS	
BUDDY VOELKEL	PRESIDENT
ADAM JENKINS	VICE-PRESIDENT
CONNIE BARFIELD	BOARD MEMBER
BOBBY BROWN	BOARD MEMBER
JASON STABBS	BOARD MEMBER
NOLAN WILLIAMSON	MANAGER
HERRING, LONG, AND CREWS	ATTORNEY

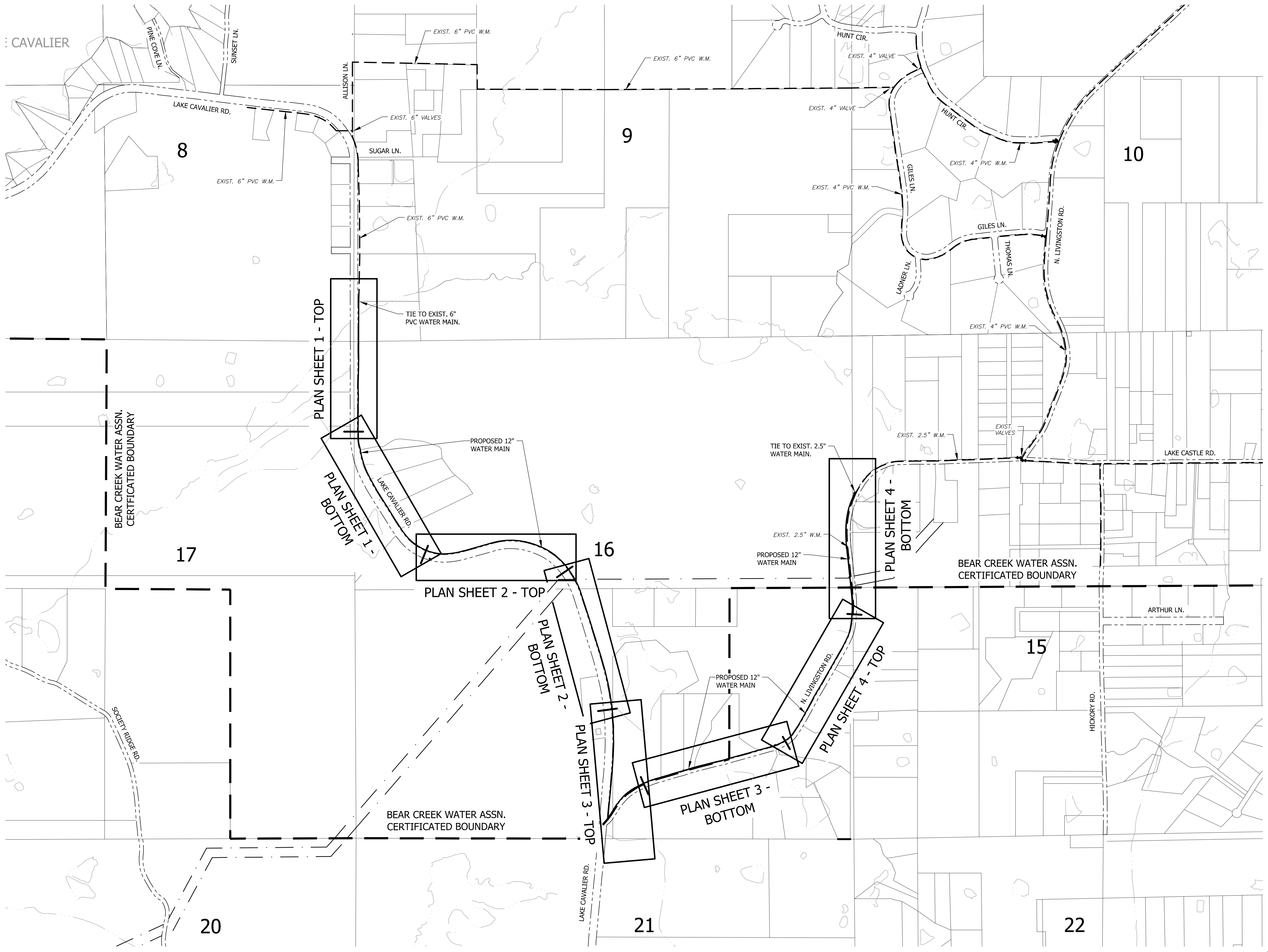
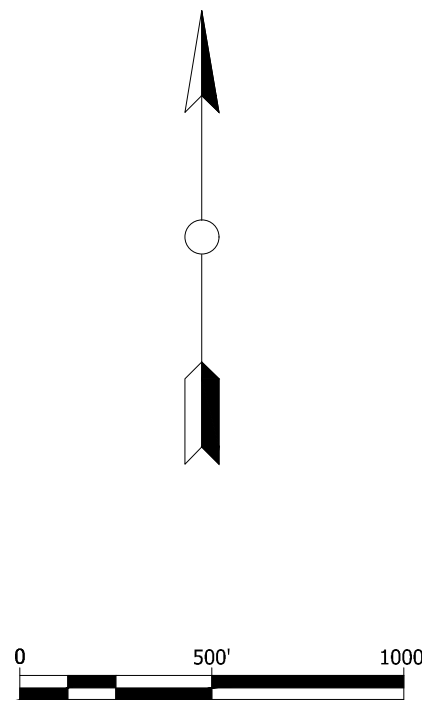


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OCTOBER 2024

GENERAL NOTES:

1. 15' UTILITY EASEMENT REQUIRED ALONG ALL STREET RIGHTS-OF-WAY.
2. 15' UTILITY EASEMENT REQUIRED ALONG ALL UTILITIES NOT LOCATED ADJACENT TO STREET RIGHTS-OF-WAY OR AS OTHERWISE NOTED ON THESE PLANS.
3. ALL WATER PIPELINE ROAD CROSSINGS , MAIN LINE AND SERVICE LINES ARE TO BE ENCASED.
4. ALL WATER SERVICES ARE TO BE INSTALLED AT THE CORNER OF THE LOT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
5. ALL NEW WATER MAIN FITTINGS (TEES, ELBOWS, VALVES, ETC.) SHALL BE CEMENT LINED, CLASS 51 MECHANICAL JOINT, DUCTILE IRON AND SHALL BE INSTALLED USING MEGA-LUG RESTRAINT GLANDS.
6. ALL NEW WATER LINES TO BE INSTALLED 4' OUTSIDE STREET RIGHTS-OF-WAY IN 10' UTILITY EASEMENT.
7. CONTRACTOR SHALL MAINTAIN A 10' HORIZONTAL AND 18" VERTICAL SEPARATION BETWEEN WATER, STORM AND SANITARY SEWER.
8. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF EXISTING STREET GRADES AND UTILITY LOCATIONS AND MAKING ADJUSTMENTS AS NECESSARY WITH THE APPROVAL OF THE PROJECT ENGINEER.
9. WATER PIPE SHALL BE C900 DR 18 P.V.C. PRESSURE PIPE.
10. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT EXISTING STRUCTURES SUCH AS PIPES, INLETS, APRONS, ETC. FROM DAMAGE WHICH MIGHT OCCUR DURING CONSTRUCTION. THE CONTRACTOR SHALL REPLACE OR REPAIR, AS DIRECTED BY THE ENGINEER, ANY STRUCTURES DAMAGED DURING THE LIFE OF THE CONTRACT. NO PAYMENT WILL BE MADE FOR REPLACEMENT OR REPAIR OF DAMAGED ITEMS.
11. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING BRACING, SHORING, OR ANY GROUND SUPPORT SYSTEM REQUIRED TO PREVENT A FAILURE FROM OCCURRING DURING EXCAVATION. ALL COST FOR ANY PROTECTIVE MEASURES, INCLUDING THE MATERIALS AND LABOR FOR DESIGNING AND CONSTRUCTING THE FACILITY, SHALL BE INCLUDED IN THE PRICE BID FOR CONTRACT ITEMS.
12. EXISTING UNDERGROUND UTILITY LINES ARE SHOWN ON THE DRAWINGS BASED UPON THE BEST INFORMATION AVAILABLE TO THE ENGINEER. THE ENGINEER CANNOT AND DOES NOT WARRANT THAT THIS INFORMATION IS COMPLETE OR ACCURATE. THE CONTRACTOR MUST COORDINATE DIRECTLY WITH THE INVOLVED UTILITY OWNERS TO HAVE THE UNDERGROUND UTILITY LINES FIELD VERIFIED PRIOR TO CONSTRUCTION.
13. NO WORK WILL BE PERFORMED ON THE WEEKENDS OR HOLIDAYS WITHOUT PRIOR APPROVAL FROM THE WATER ASSOCIATION.
14. STATION NO'S OF SEWER MANHOLES ARE STREET CENTERLINE STATIONS
15. AS PER MADISON COUNTY REQUIREMENTS, ALL UTILITIES TO BE INSTALLED BY TRENCH INSTALLATION UNDER PROPOSED LOCATION OF THE ROAD, SHALL HAVE DENSITY TEST PERFORMED ON EACH LIFT (8" MAX. LIFT THICKNESS) OF BACKFILL MEETING COMPACTION REQUIREMENTS OF NINETY-FIVE PERCENT (95%) OF MAXIMUM THEORETICAL DENSITIES. DENSITY TEST SHALL BE PERFORMED A MINIMUM OF THREE (3) LOCATIONS WHERE PIPE CROSSES ROADWAY. (CENTERLINE, RIGHT EDGE AND LEFT EDGE OF PAVEMENT)
16. A REPRESENTATIVE FROM MADISON COUNTY MUST BE PRESENT DURING THE INSTALLATION OF ANY LINE PLACED UNDER THE ROADWAY.
17. ALL TRENCHES OUTSIDE THE ROADBED SHALL BE BACKFILLED TO NO LESS THAN 95% STANDARD PROCTOR DENSITY AT PLUS OR MINUS 2% OF OPTIMUM MOISTURE CONTENT.



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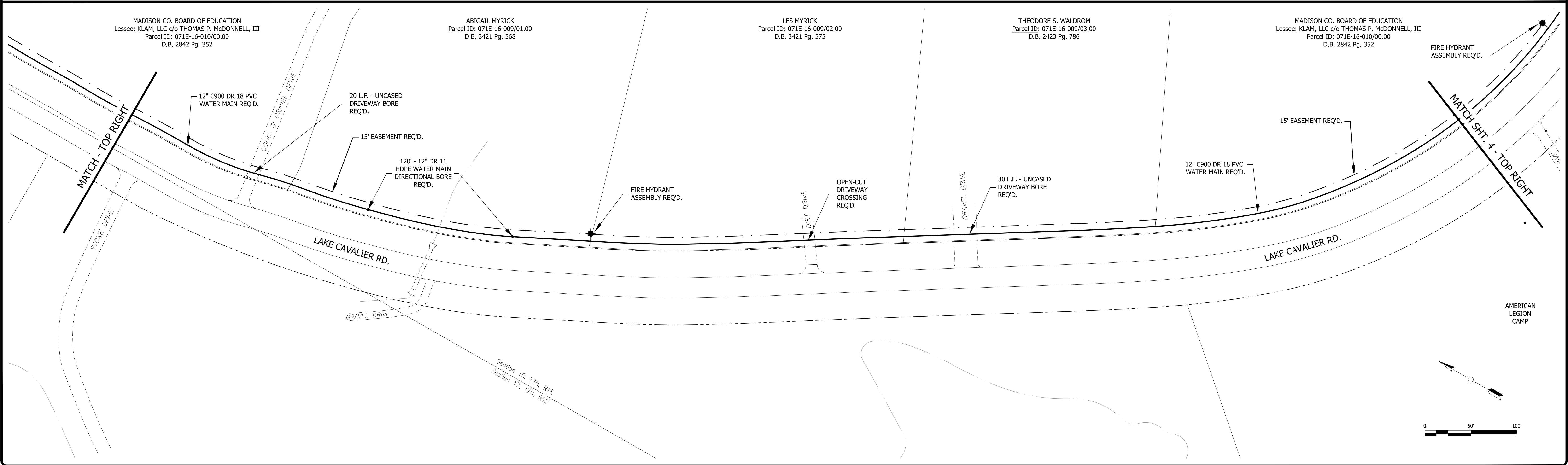
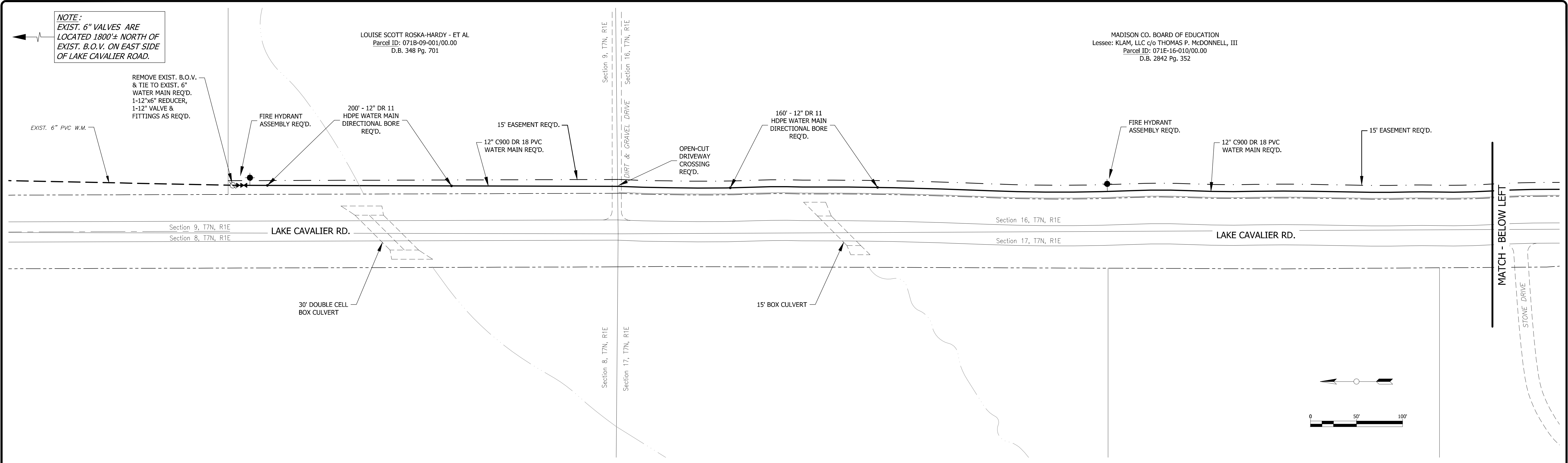
LAKE CAVALIER ROAD & N. LIVINGSTON ROAD WATER MAIN TRANSMISSION & SYSTEM EXTENSION

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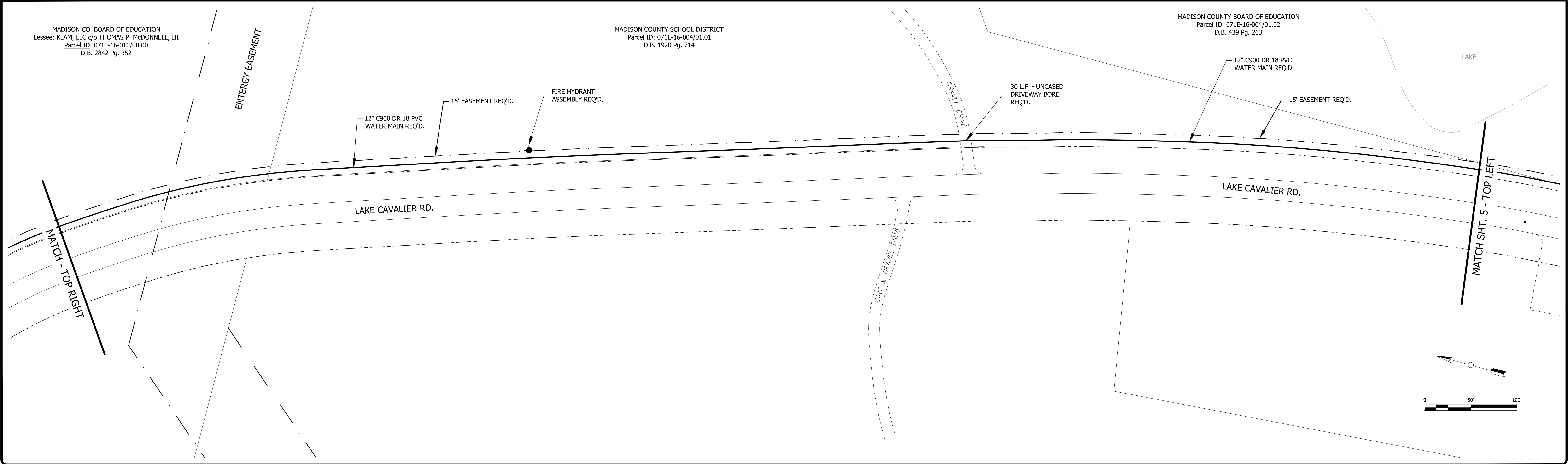
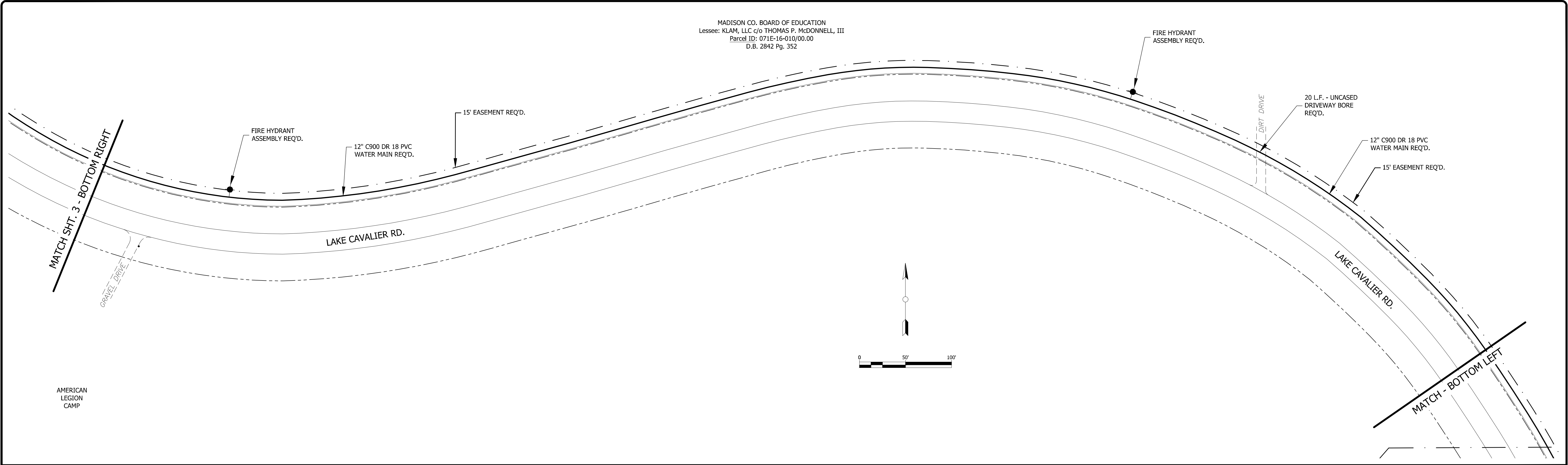
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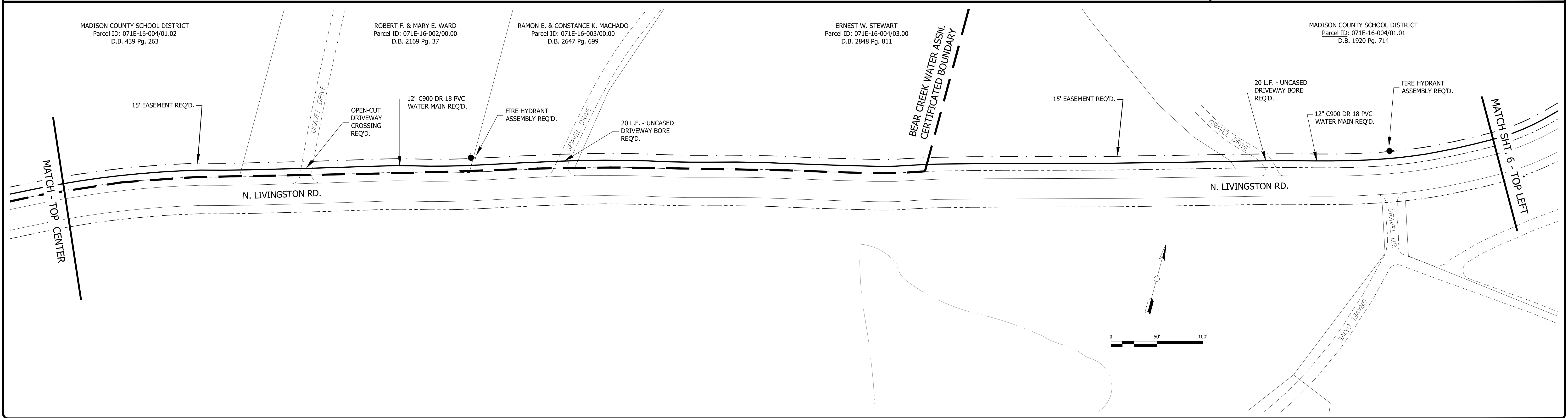
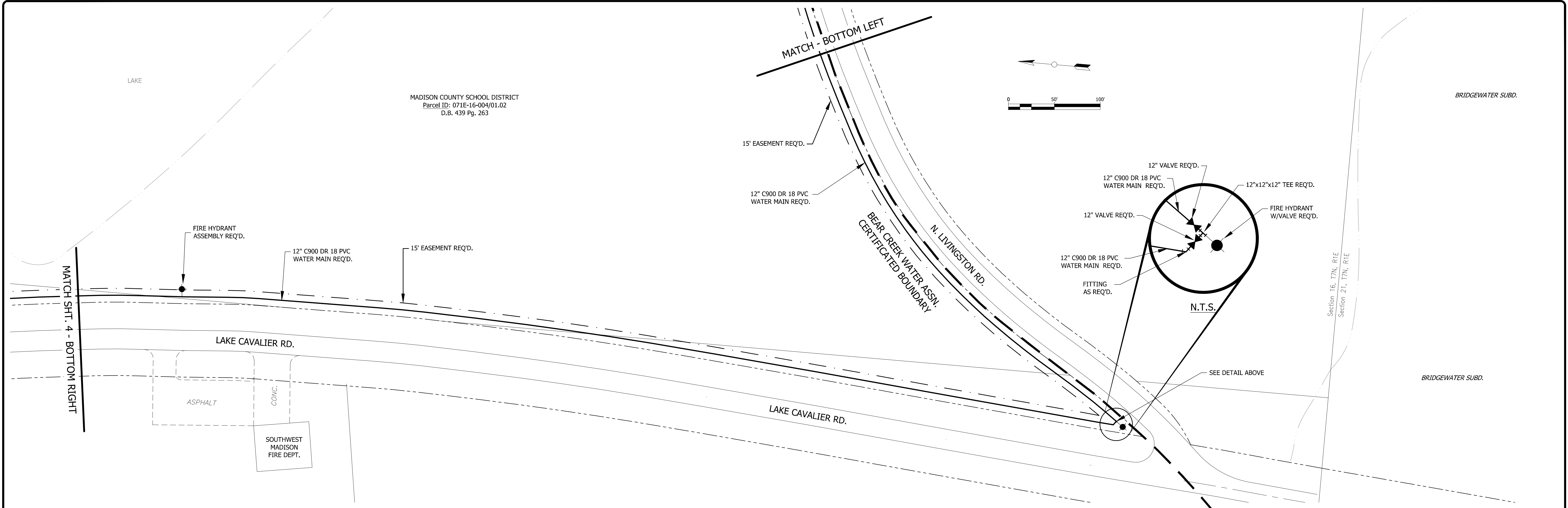


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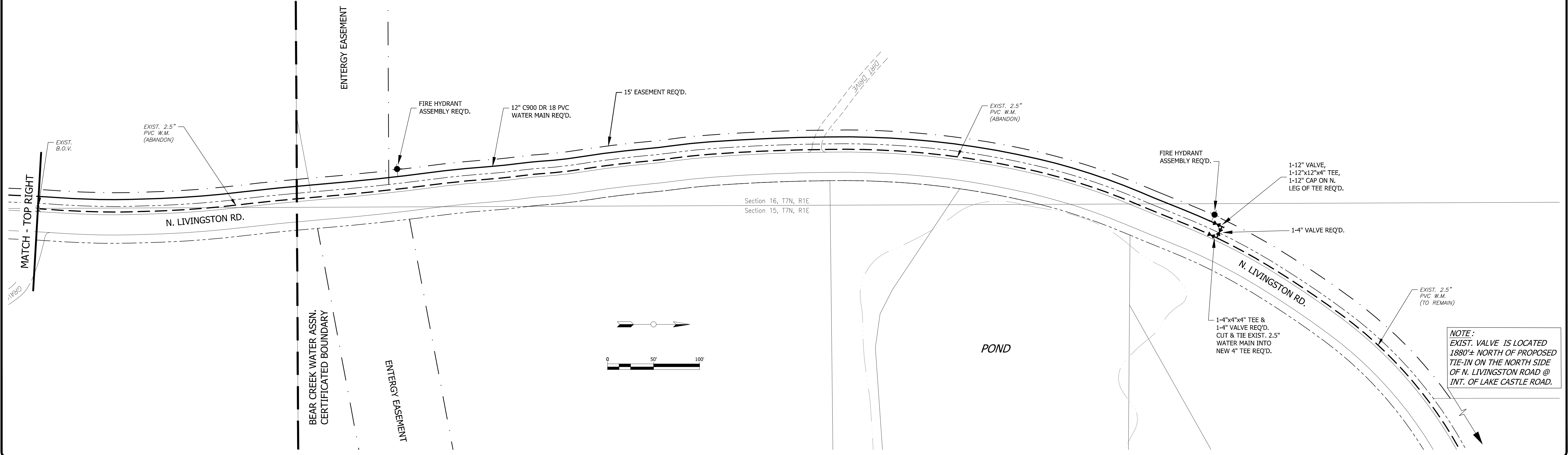
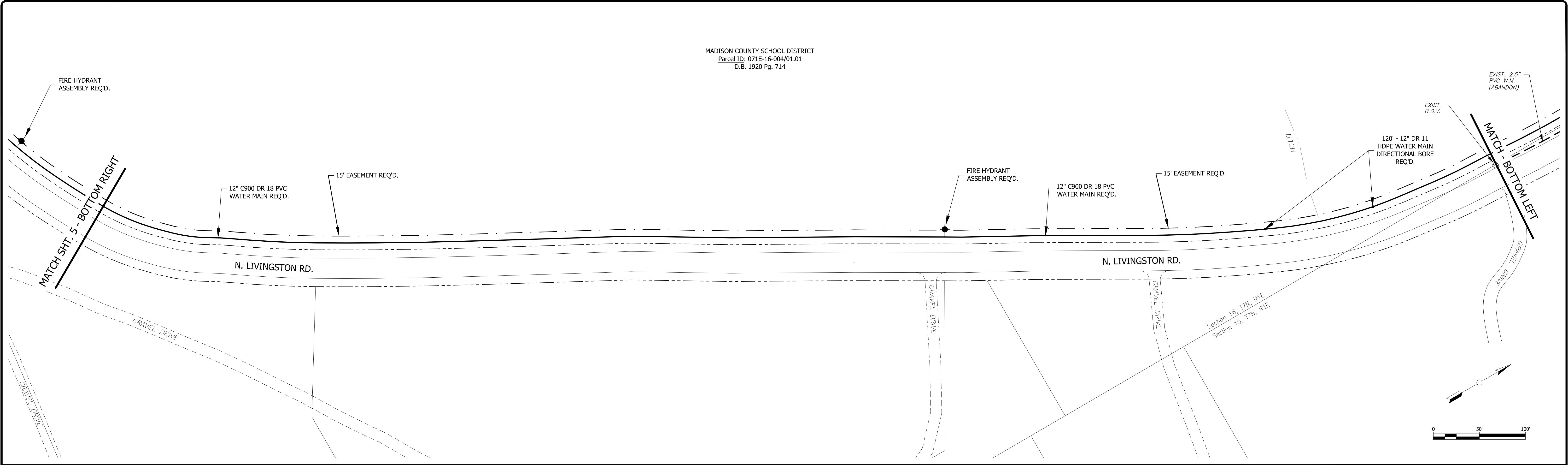
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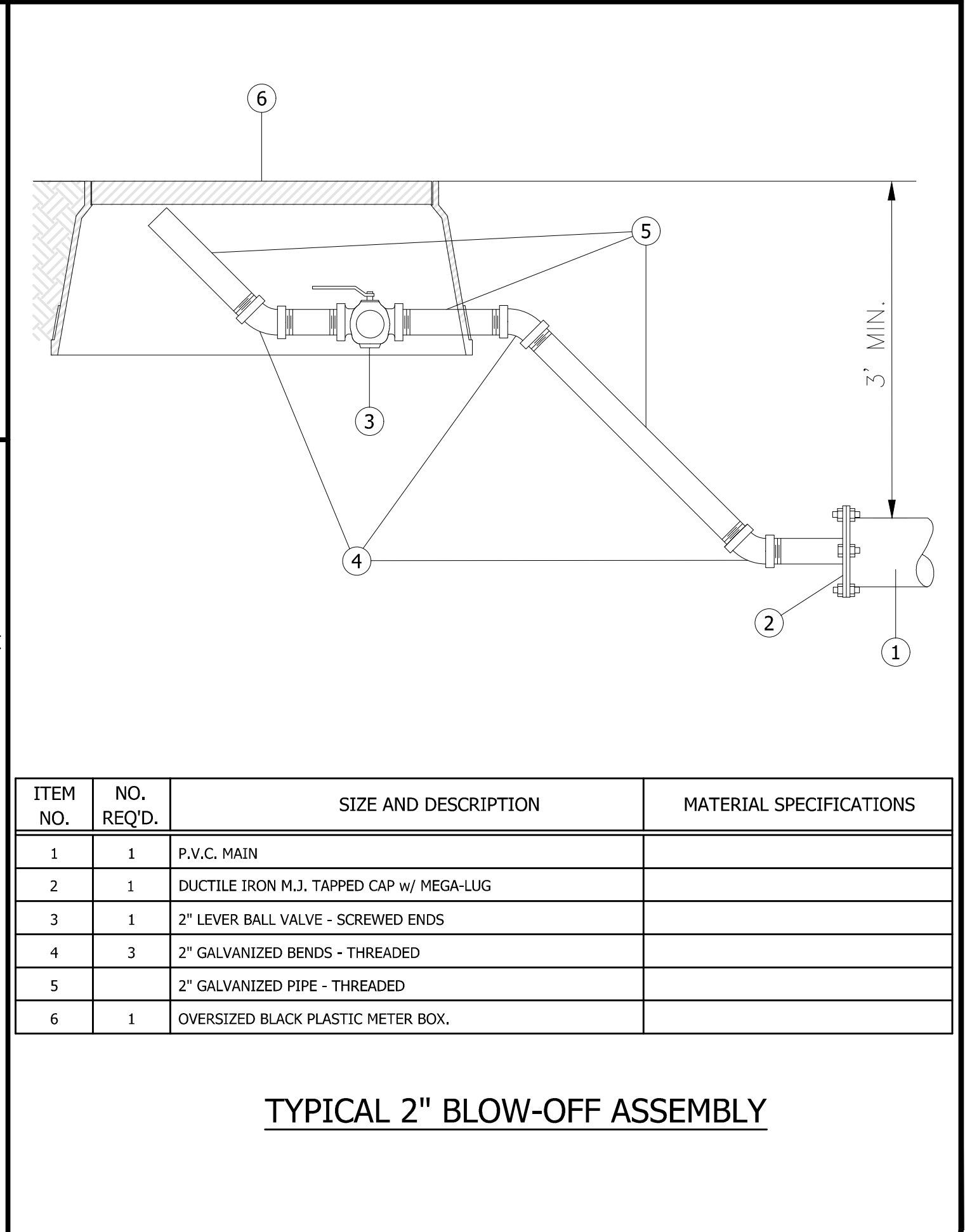
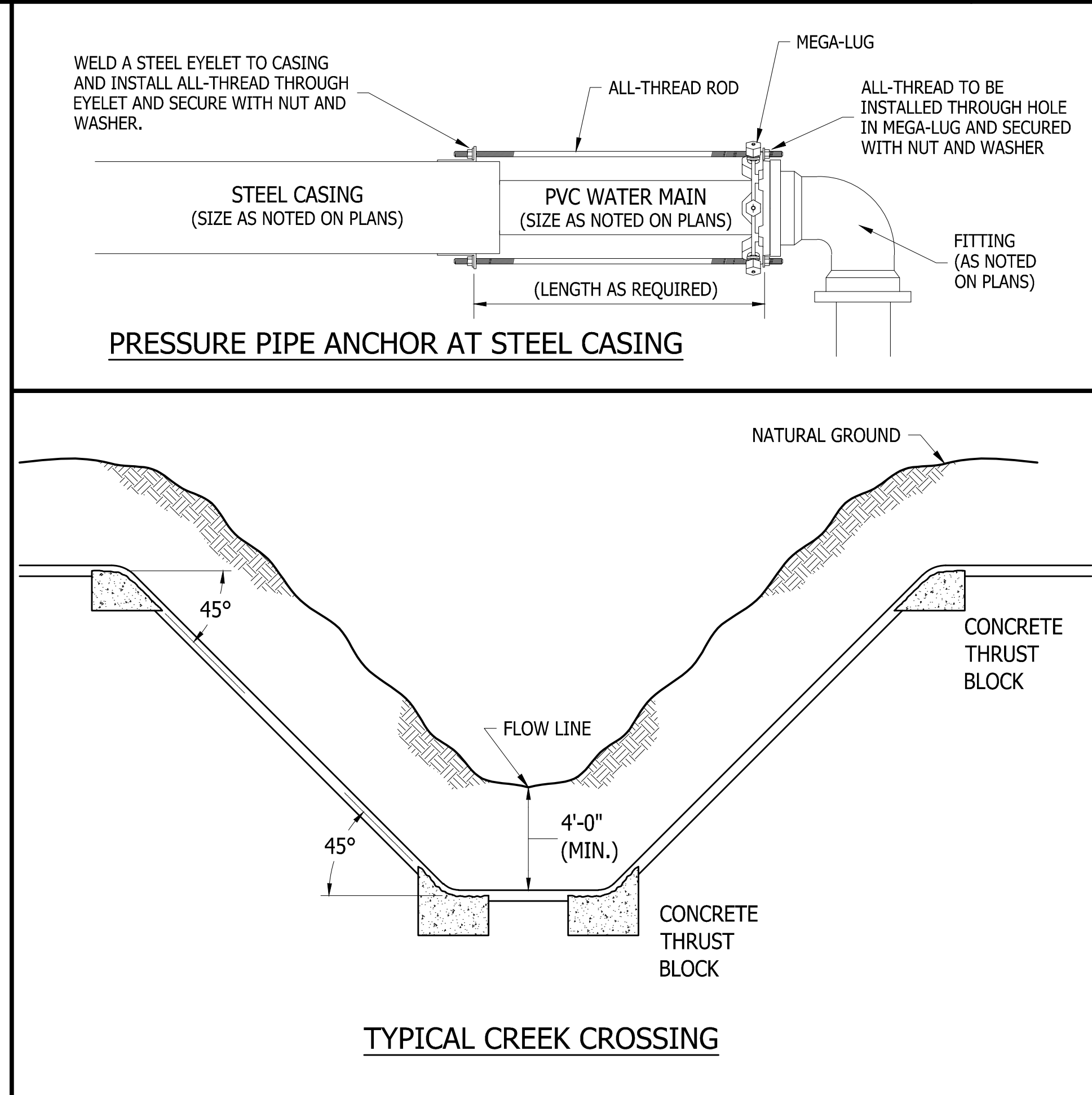
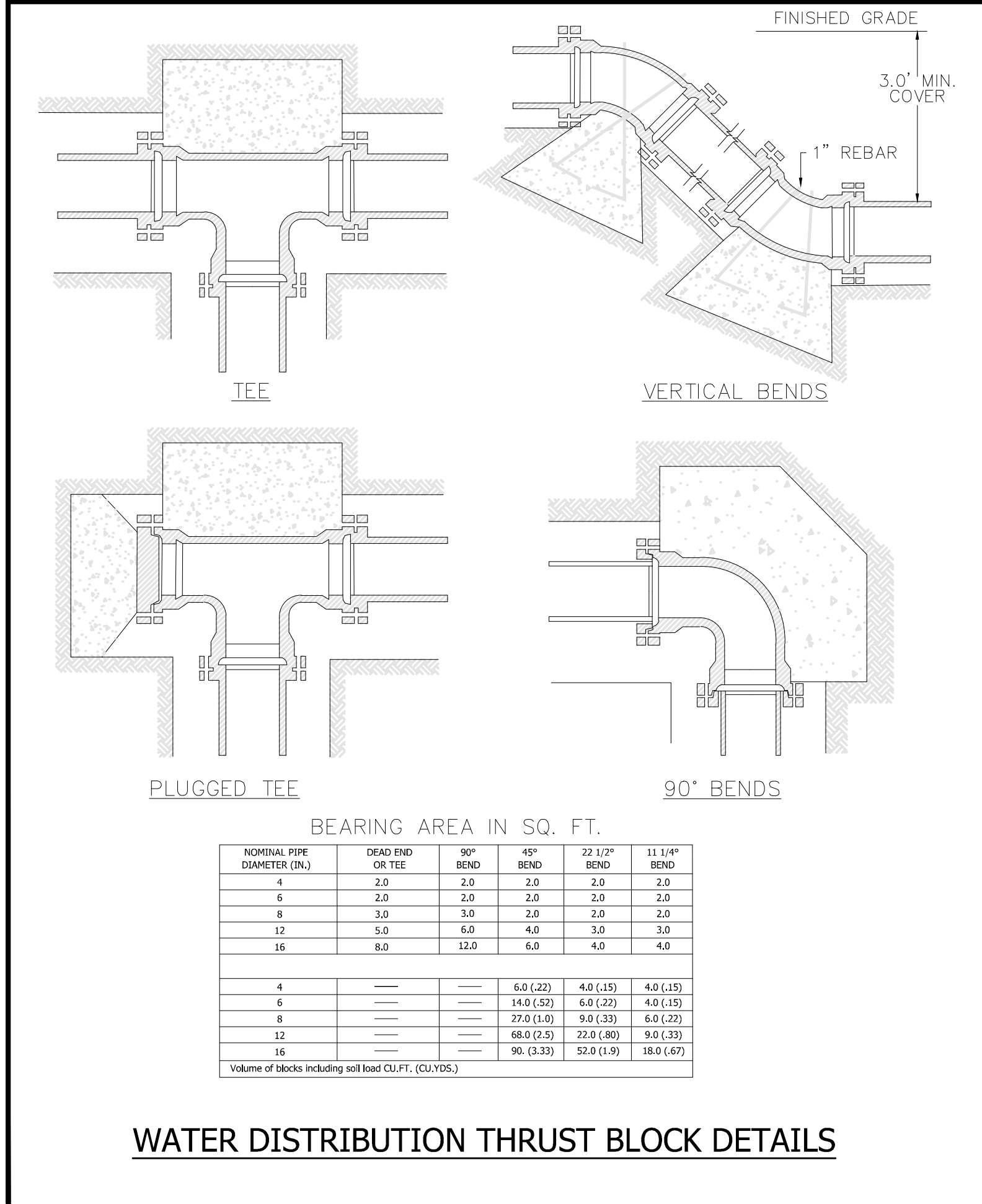
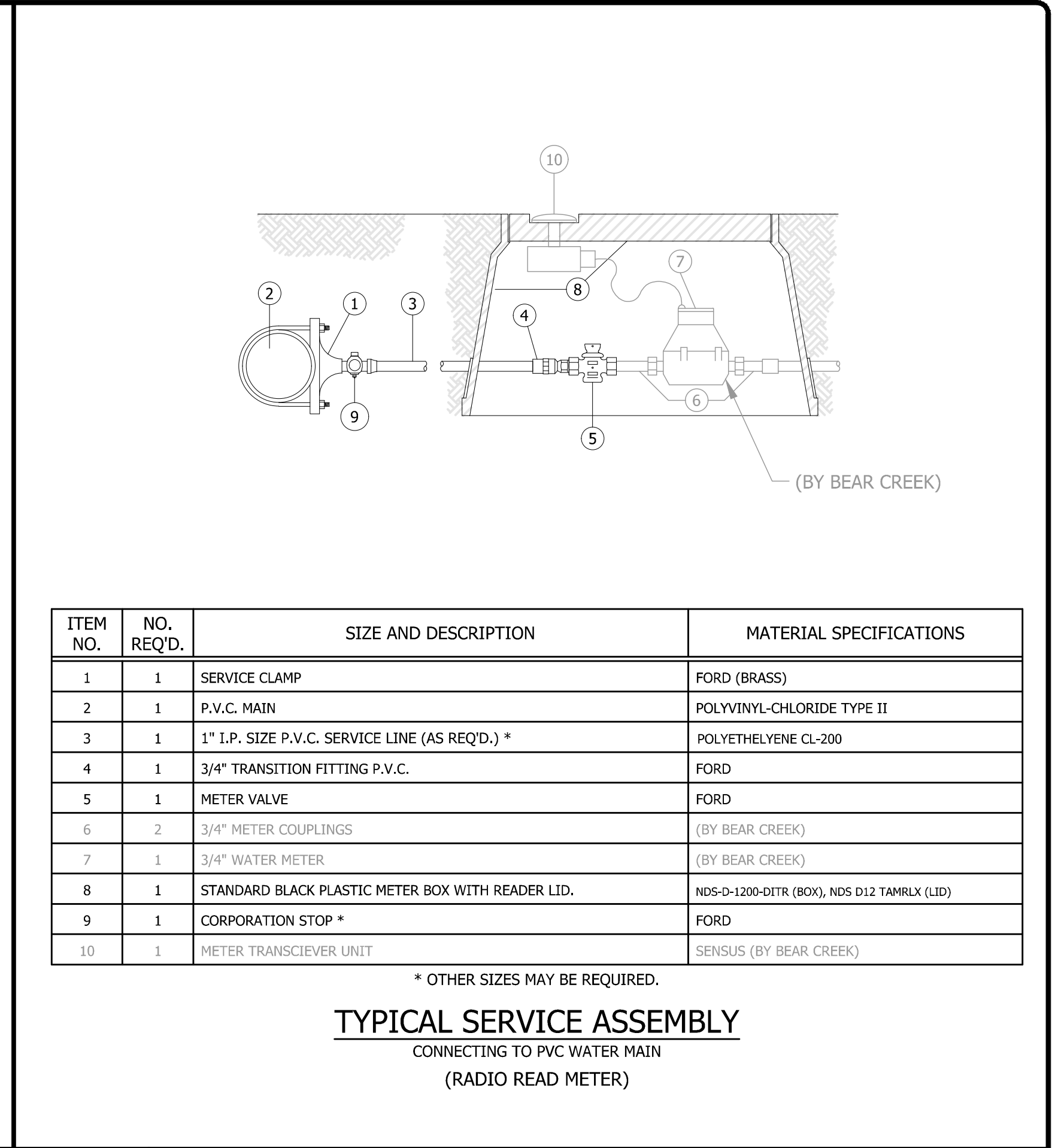
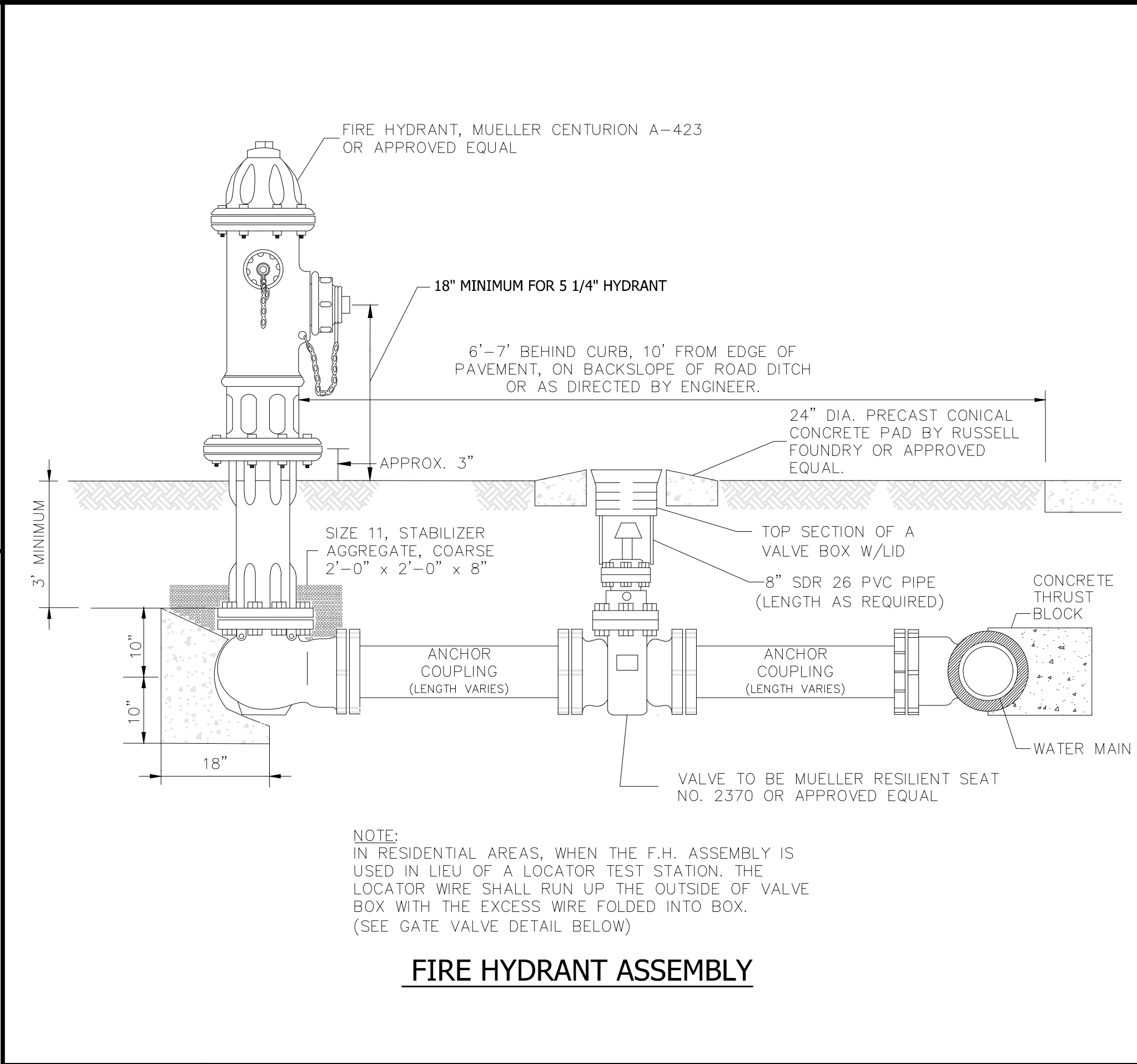
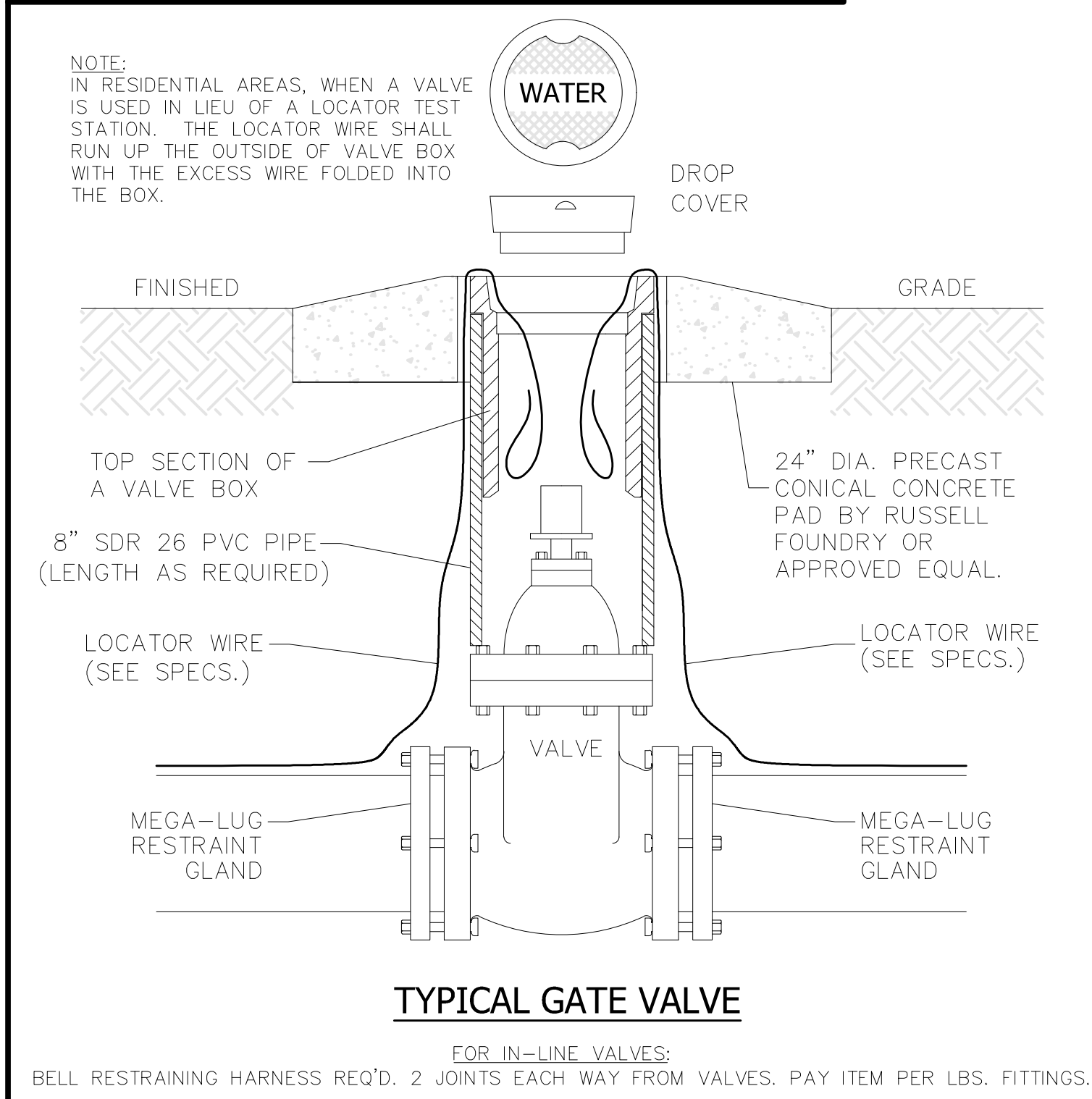
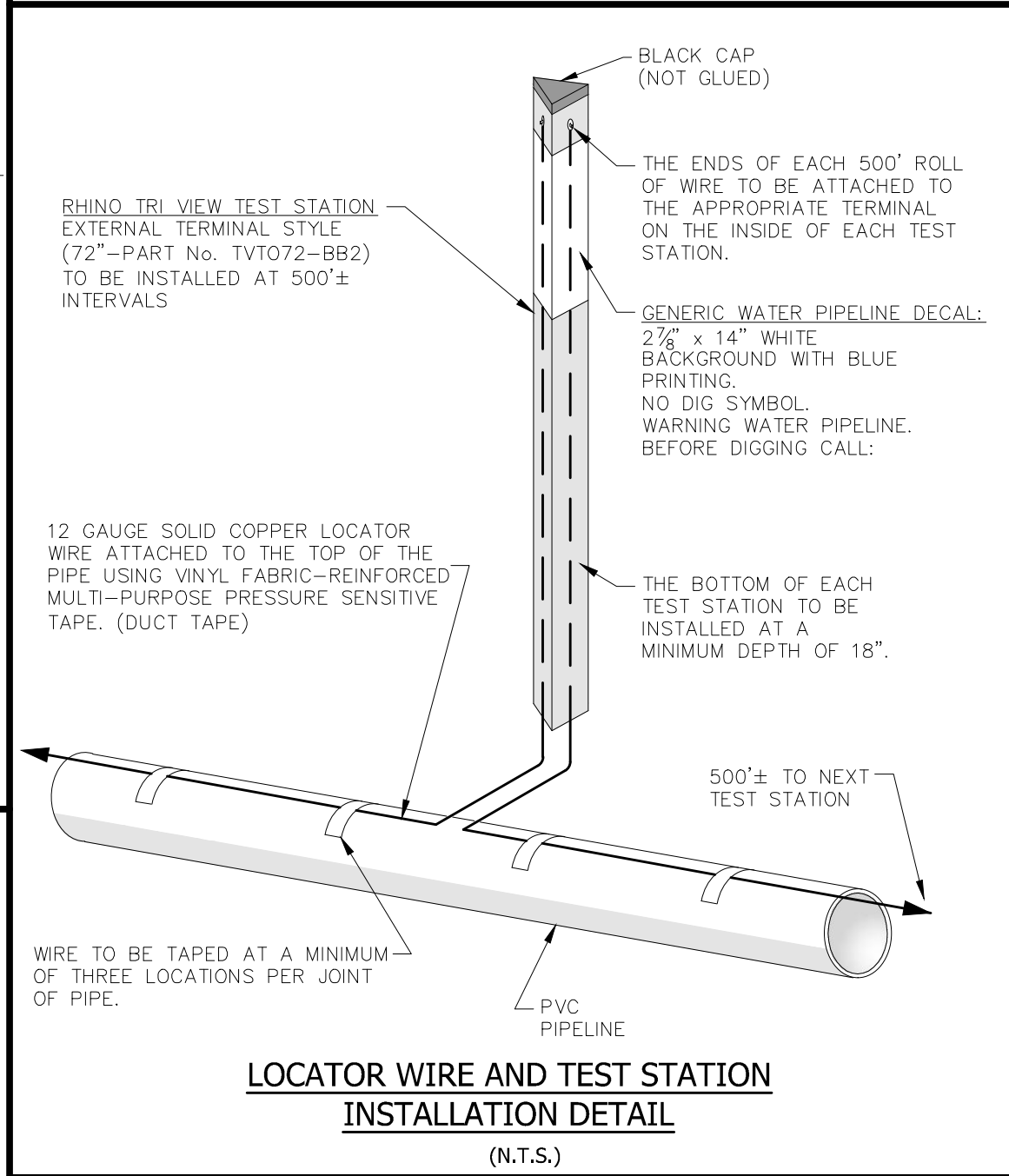
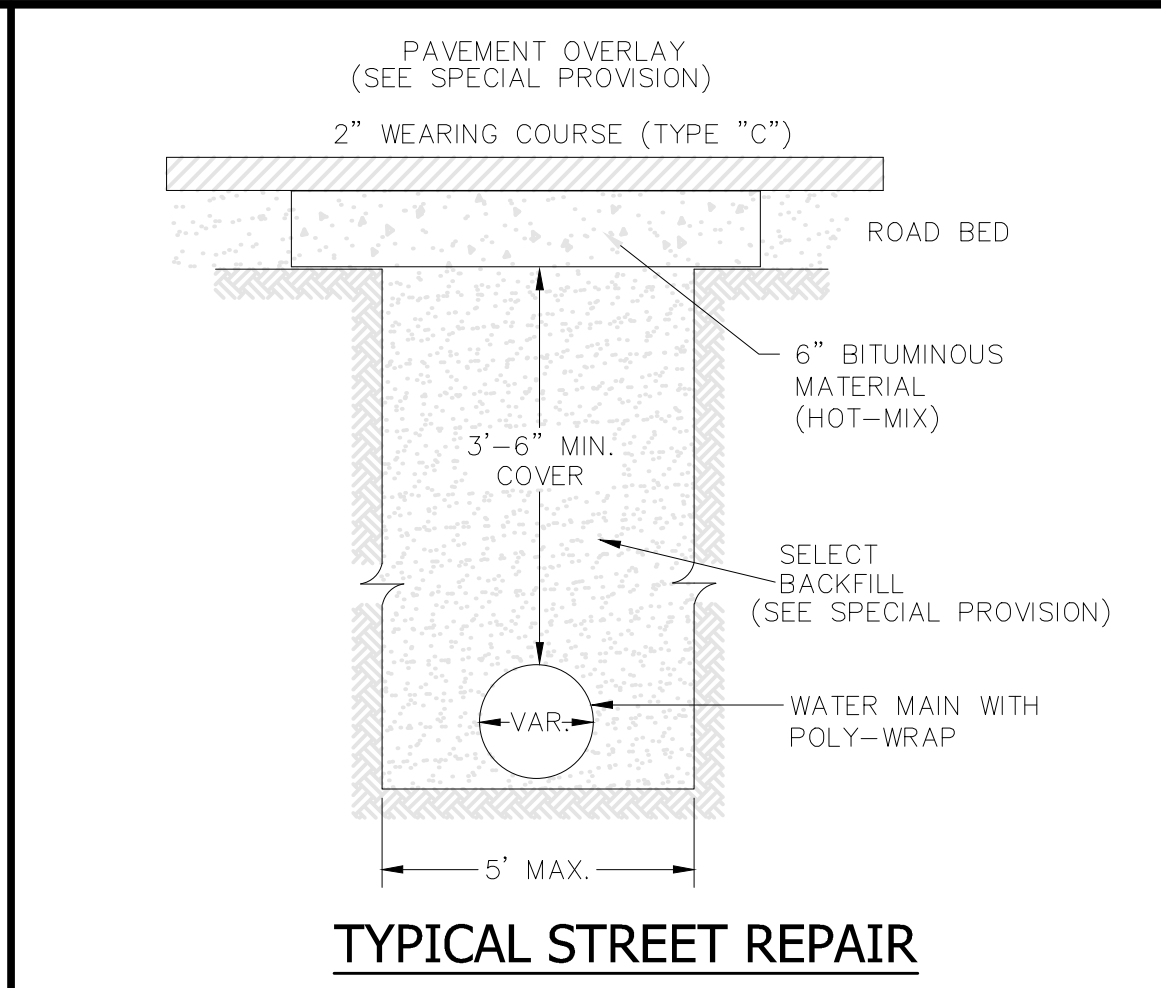
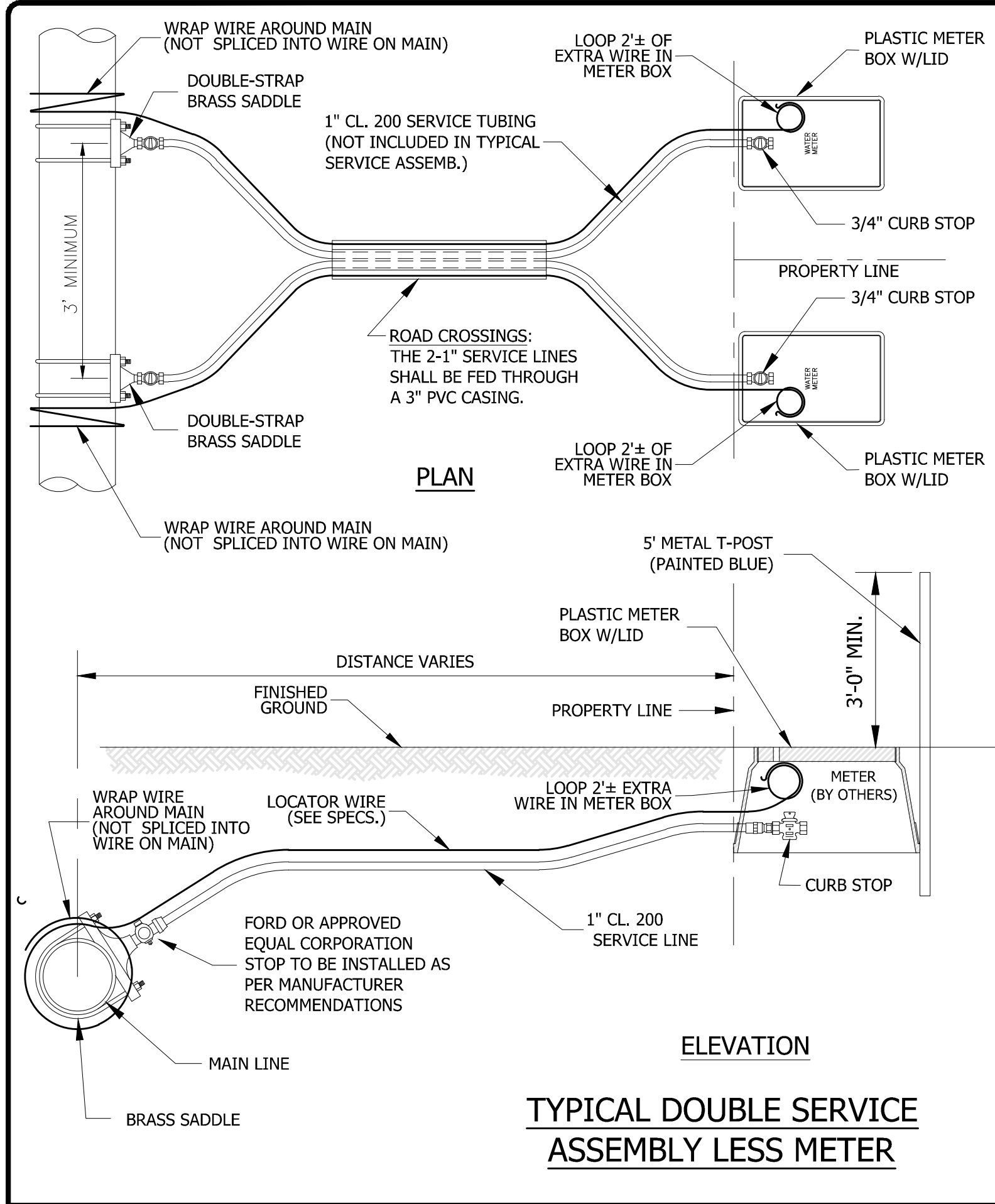


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BEAR CREEK WATER ASSOCIATION K

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LAKE CAVALIER ROAD & N. LIVINGSTON ROAD

WATER MAIN TRANSMISSION & SYSTEM EXTENSION

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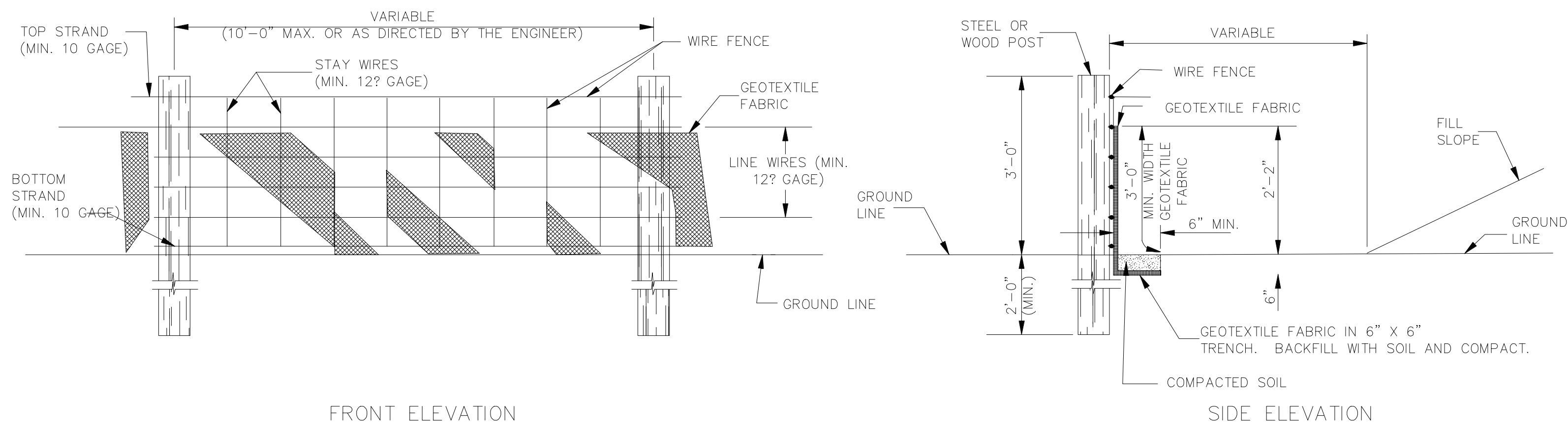
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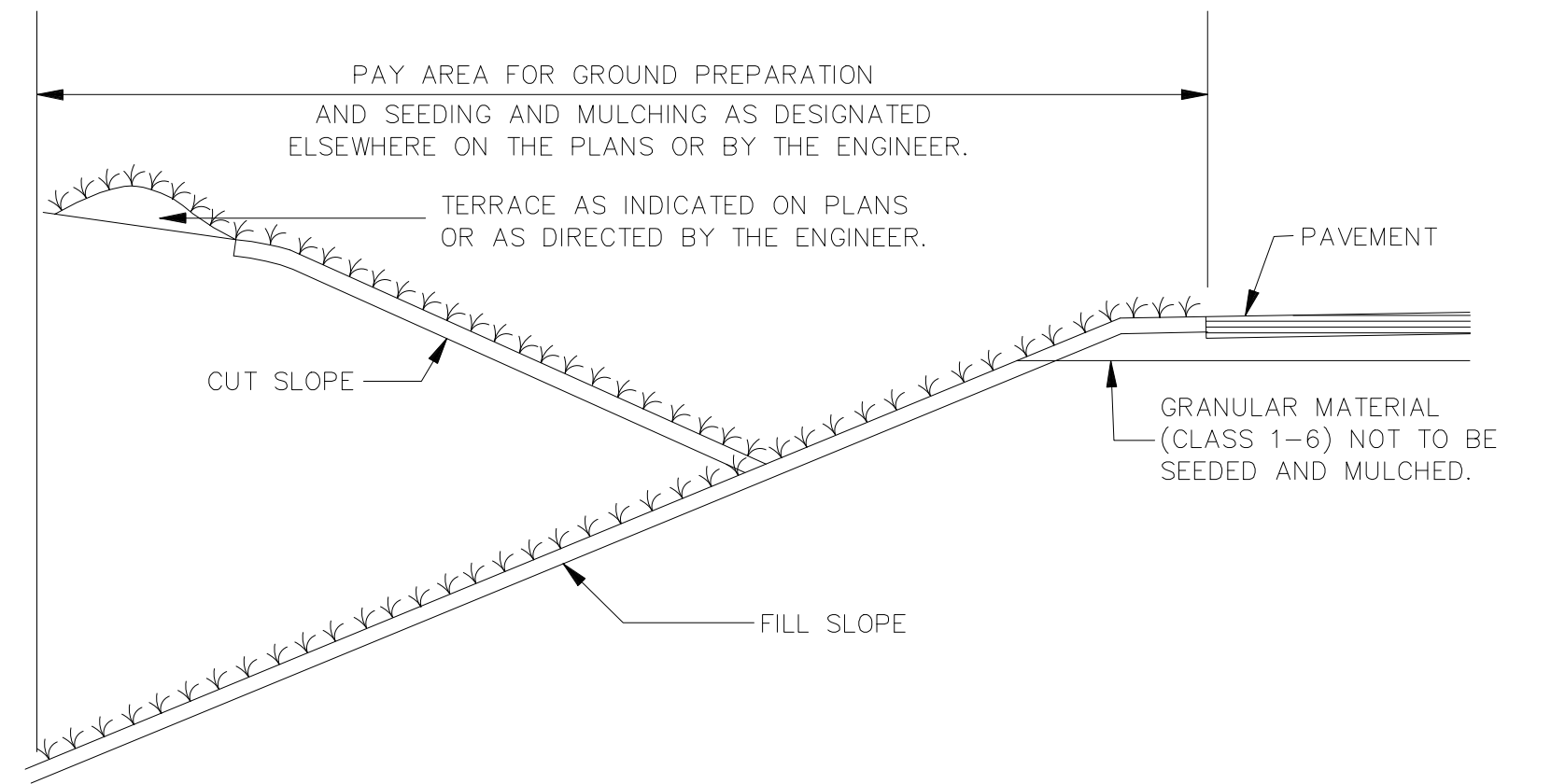
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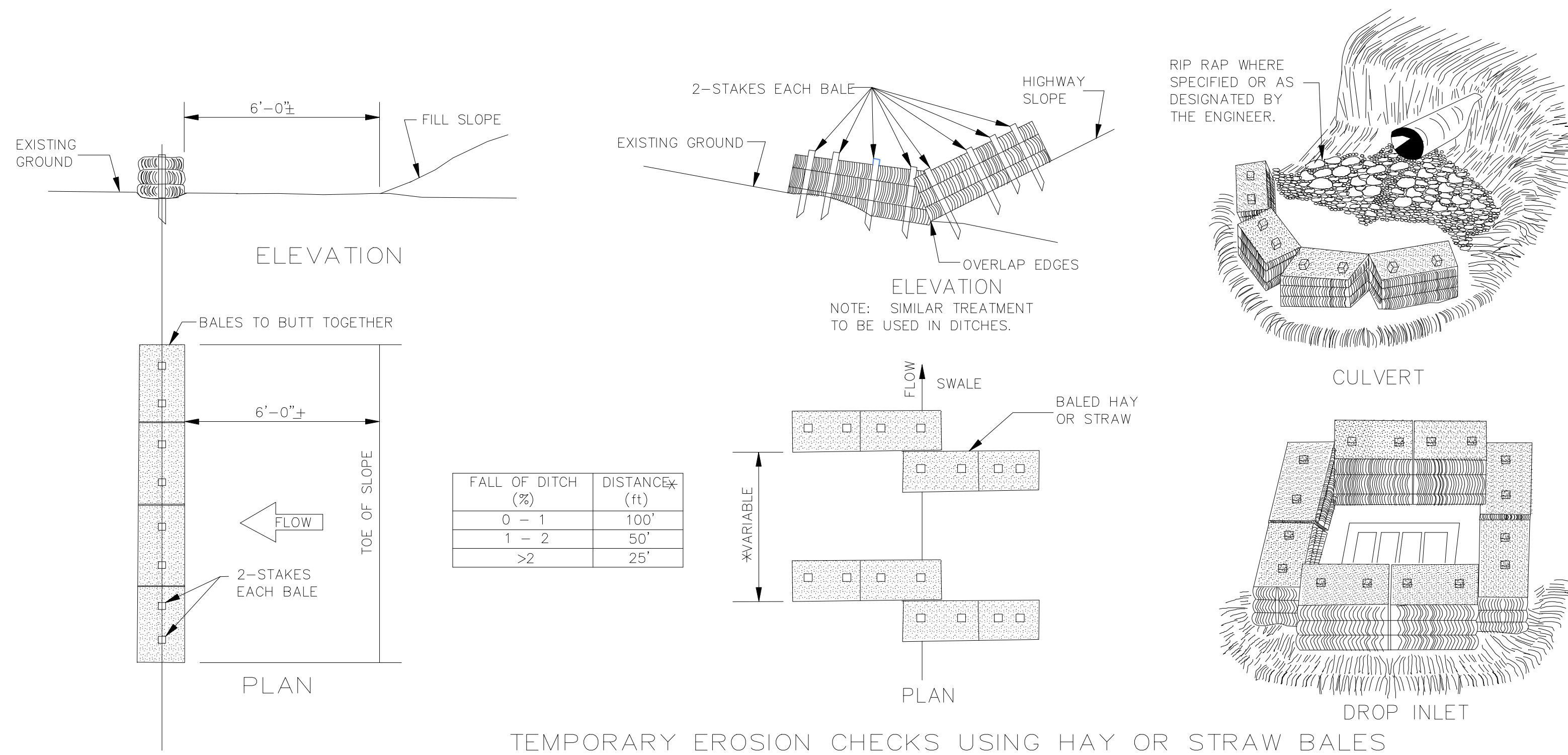
TEMPORARY SILT FENCE

NOTES:

1. WIRE SHALL BE MINIMUM OF 32" IN WIDTH AND SHALL HAVE A MINIMUM OF 6 LINE WIRES WITH 12" STAY SPACING.
2. GEOTEXTILE FABRIC SHALL BE A MINIMUM OF 36" IN WIDTH AND SHALL BE FASTENED ADEQUATELY TO THE WIRE AS DIRECTED BY THE ENGINEER.
3. STEEL POST SHALL BE 5'-0" IN HEIGHT AND OF THE SELF-FASTENER ANGLE STEEL TYPE. WOOD POST SHALL BE A MINIMUM OF 5'-0" IN HEIGHT AND 3" OR MORE IN DIAMETER. WIRE FENCE SHALL BE FASTENED TO WOODEN POST WITH NOT LESS THAN 9 GAGE WIRE STAPLES 1" LONG.
4. GEOTEXTILE FABRIC MEETING THE TYPE II MATERIAL REQUIREMENTS AND INSTALLED ACCORDING TO SPECIFICATIONS MAY BE USED WITHOUT WIRE FENCE.



SEEDING AND MULCHING



TEMPORARY EROSION CHECKS USING HAY OR STRAW BALES

NOTE: EMBED ALL BALES 3" MINIMUM INTO GROUND AND STAKE (2" X 2" X 36") SECURELY.

GENERAL NOTES:

1. THE CONTRACTOR SHALL BE REQUIRED TO FURNISH ALL MATERIALS AND PERFORM ALL WORK FOR THE PROPER INSTALLATION, MAINTENANCE AND REMOVAL OF TEMPORARY EROSION CONTROL MEASURES NECESSARY TO CONTROL SILTATION.
2. TEMPORARY BRUSH BARRIERS SHALL BE USED AS REQUIRED BUT WILL NOT BE MEASURED FOR SEPARATE PAYMENT.
3. THE USE OF TEMPORARY EROSION CONTROL MEASURES OTHER THAN TEMPORARY BRUSH BARRIERS WILL ONLY BE REQUIRED AND MEASURED FOR SEPARATE PAYMENT WHEN APPROPRIATE PAY ITEM(S) IS INCLUDED IN THE BID SCHEDULE OF THE PROPOSAL.

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STANDARD EROSION
CONTROL DETAILS

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