

ROADWAY

1. ALL ROADWAY CONSTRUCTION SHALL MEET THE MINIMUM REQUIREMENTS OF THE COUNTY HIGHWAY DISTRICT OR AS APPROVED IN THE PLANS HEREIN.
2. WHEN DISCREPANCIES OCCUR BETWEEN THE PLANS AND THE SPECIFICATIONS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER. UNTIMELY NOTIFICATION SHALL NEGATE ANY CONTRACTORS CLAIM FOR ADDITIONAL COMPENSATION.
3. INSPECTION OF THE WORK WITHIN THE RIGHT-OF-WAYS SHALL BE DONE BY THE PROJECT ENGINEER.
4. ALL TOPS OF VALVE BOXES AND SHALL BE SET 6" BELOW THE FINISHED STREET GRADE. THE ROADWAY CONTRACTOR SHALL INSTALL AND ADJUST ALL SPACERS, GRADE RINGS.
5. ALL COSTS FOR RETESTING FOR PREVIOUSLY FAILED TESTS SHALL BE BACK CHARGED TO THE CONTRACTOR BY THE OWNER.
6. ALL COSTS TO THE CONTRACTOR INCURRED IN CORRECTING DEFICIENT WORK SHALL BE TO THE CONTRACTORS ACCOUNT. FAILURE TO CORRECT SUCH WORK WILL BE CAUSE FOR A STOP WORK ORDER AND POSSIBLE TERMINATION.

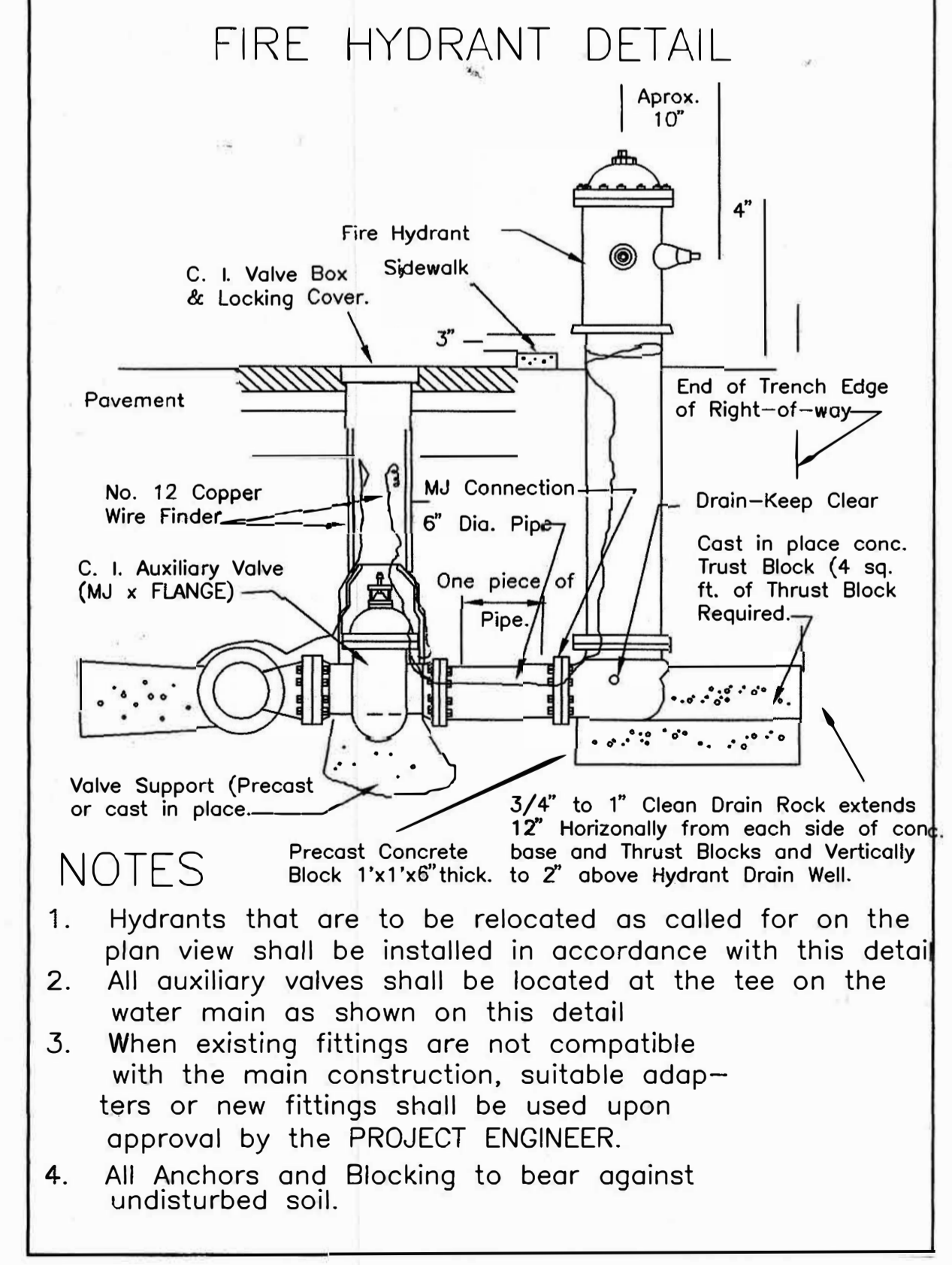
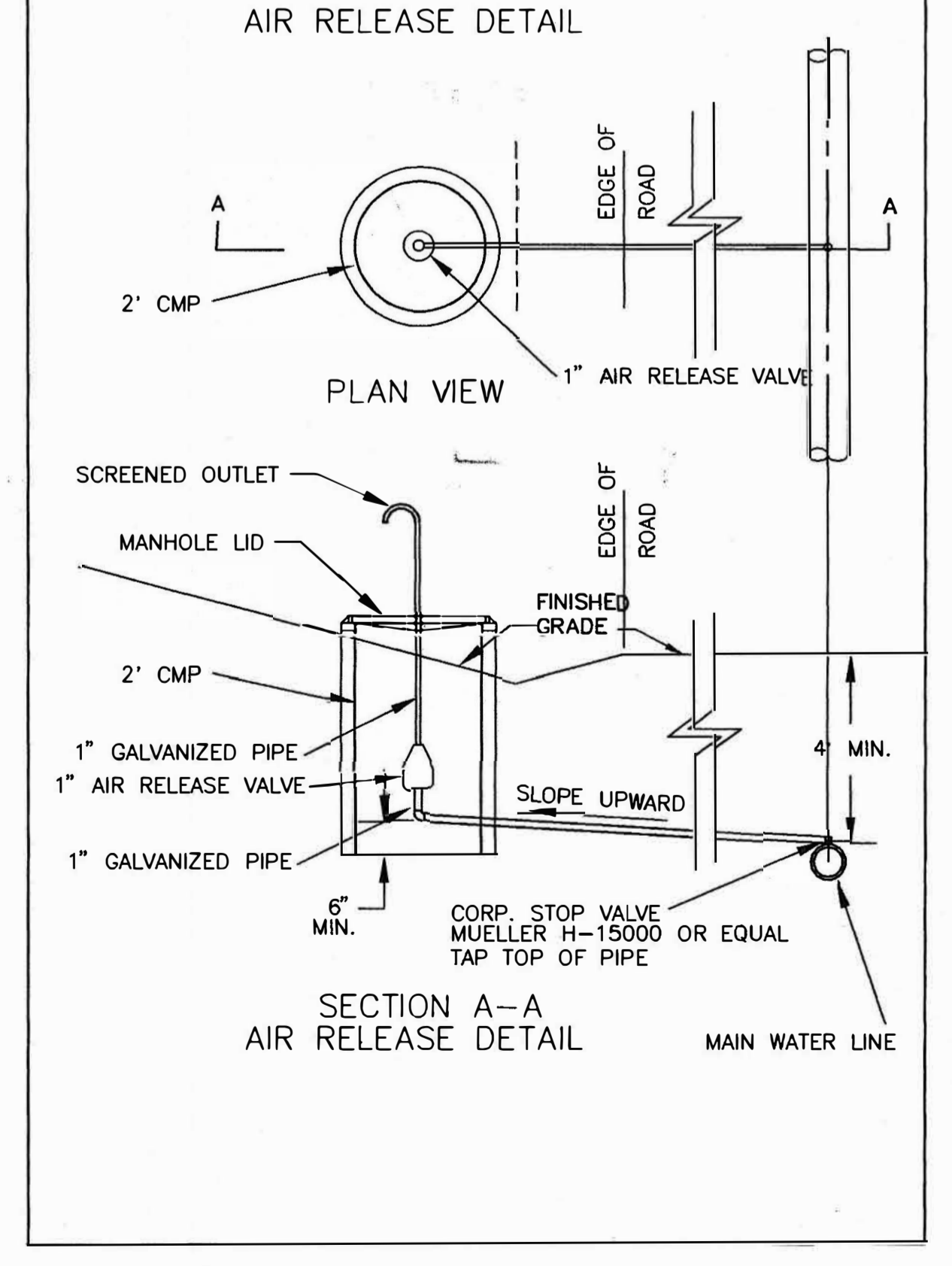
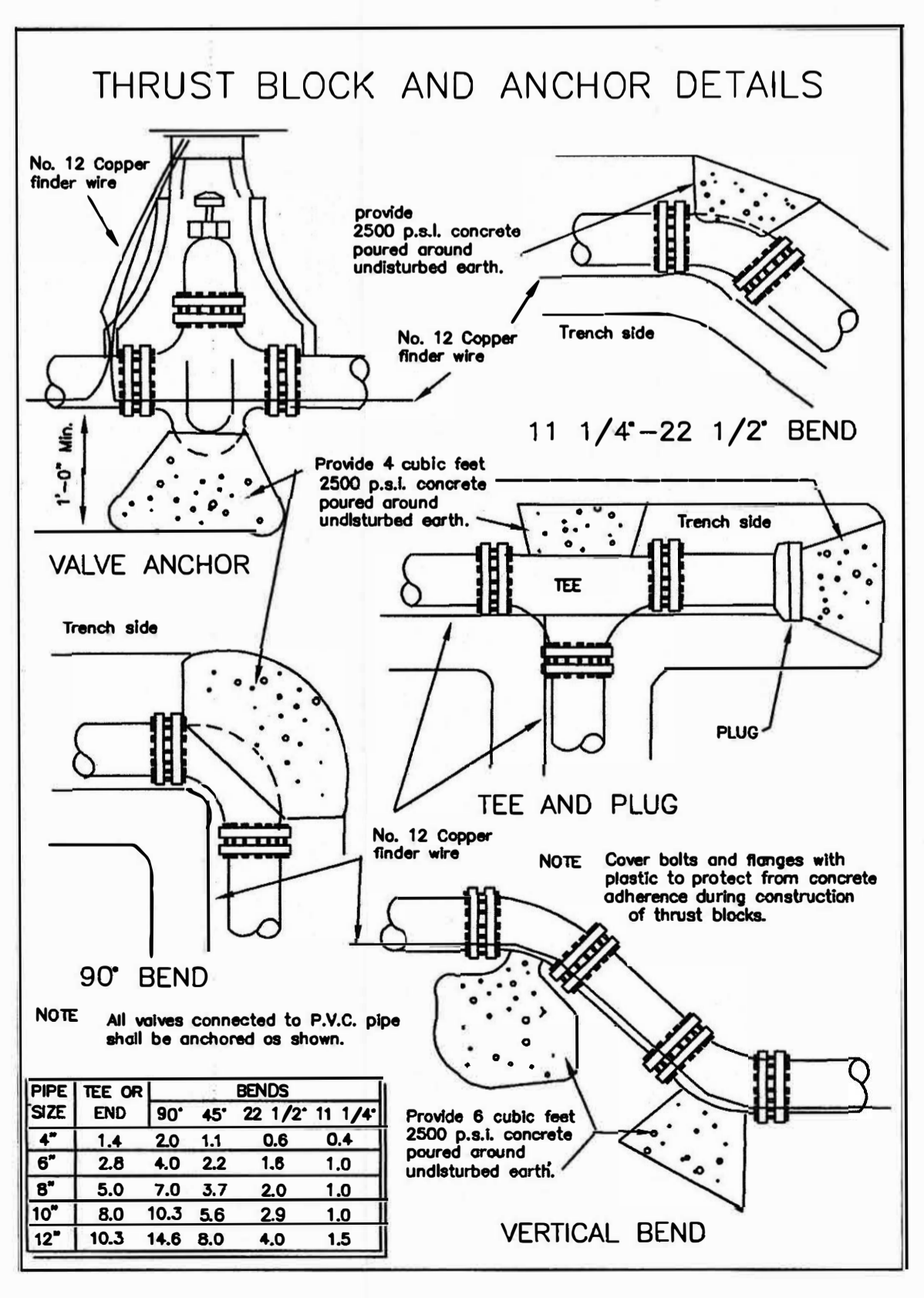
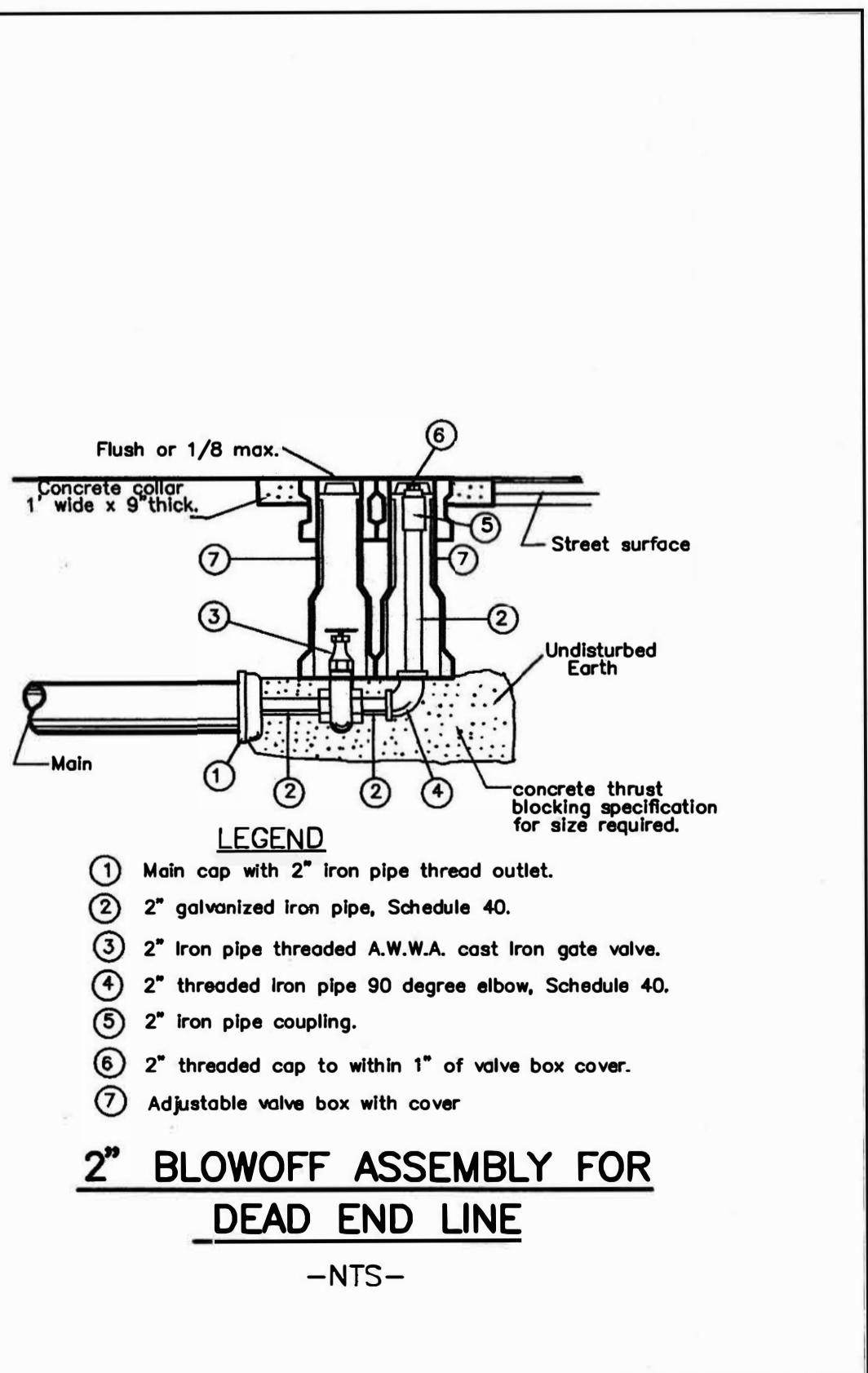
7. ALL STORM DRAIN APPURTENANCES SHALL BE INSPECTED AND CERTIFIED BY THE COUNTY HIGHWAY DISTRICT OR PROJECT ENGINEER.
8. ALL WATER VALVE TOPS WILL BE PLACED SO AS NOT TO CONFLICT WITH ANY DRAINAGE.
9. OTHER EXCAVATION AND GRANULAR BACKFILL MAY BE REQUIRED AND ARE TO BE DETERMINE BY THE FIELD INSPECTOR.
10. ALL WORK SHALL BE INSPECTED BY THE OWNER'S ENGINEERS OR THE COUNTY HIGHWAY DISTRICT IN ACCORDANCE WITH THE LATEST EDITION OF THE "CONSTRUCTION QUALITY ASSURANCE MANUAL".
11. ALL MATERIAL PLACED IN FILL OR BACKFILL SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE COUNTY HIGHWAY DISTRICT SPECIFICATIONS OR THE PROJECT ENGINEER.
12. ALL CULVERTS WILL BE CMP OR PVC PIPE. PVC PIPE SHALL NOT BE ALLOWED TO BE EXPOSED TO SUNLIGHT. THE OPENINGS OF THE PIPES MUST BE LOCATED FLUSH WITH THE SURROUNDING GROUND.

GENERAL

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS AND/OR REQUIREMENTS OF THE PROJECT ENGINEER, AND/OR THE COUNTY HIGHWAY DISTRICT.
2. A PRECONSTRUCTION CONFERENCE SHALL BE HELD A MINIMUM OF 3 WORKING DAYS PRIOR TO START OF ANY WORK. ALL CONTRACTORS, SUBCONTRACTORS AND/OR UTILITY CONTRACTORS SHOULD BE PRESENT.
3. ALL LOT DIMENSIONS, EASEMENTS AND CERTAIN OFF-SITE EASEMENTS ARE TO BE TAKEN FROM THE SITE PLAN OF PAYETTE RIDGE ESTATES SUBDIVISION.
4. JOHNSON ENGINEERING SHALL PROVIDE ONE (1) SET OF CONSTRUCTION STAKES.
5. ALL CONSTRUCTION STAKING MUST BE REQUESTED A MINIMUM OF THREE (3) WORKING DAYS PRIOR TO PLANNED USE.
6. THE CONTRACTOR(S) SHALL REMOVE ALL OBSTRUCTIONS, BOTH ABOVE AND BELOW GROUND, AS REQUIRED FOR THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS. THIS SHALL INCLUDE CLEARING AND GRUBBING WHICH CONSISTS OF CLEARING THE GROUND SURFACE OF ALL TREES, STUMPS, BRUSH, UNDERGROWTH, HEDGES, HEAVY GROWTH OF GRASS, WEEDS, FENCES, STRUCTURES, DEBRIS, RUBBISH, AND SUCH MATERIAL WHICH, IN THE OPINION OF THE ENGINEER, IS UNSUITABLE FOR THE FOUNDATION OF PAVEMENTS. ALL MATERIAL NOT SUITABLE FOR FUTURE USE ON SITE SHALL BE DISPOSED OF OFF SITE.
7. CERTAIN CONTROL POINTS WILL BE SET BY THE SURVEYOR, OR ITS REPRESENTATIVE, WHICH ARE CRITICAL TO THE CONSTRUCTION STAKING OF THE PROJECT. THESE POINTS WILL BE DESIGNATED AT THE TIME THEY ARE SET AND THE CONTRACTOR SO NOTIFIED. DESTRUCTION OF THESE POINTS BY THE CONTRACTOR OR HIS SUBCONTRACTOR SHALL BE GROUNDS FOR CHARGING THE CONTRACTOR FOR RE-ESTABLISHING SAID POINTS.
8. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING DRAINAGE FACILITIES WITHIN THE CONSTRUCTION AREA UNTIL THE DRAINAGE IMPROVEMENTS ARE IN PLACE AND FUNCTIONING.
9. ALL CONTRACTORS WORKING WITHIN THE PROJECT BOUNDARIES ARE RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE SAFETY LAWS OF ANY JURISDICTIONAL BODY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BARRICADES, SAFETY DEVICES AND CONTROL OF TRAFFIC WITHIN AND AROUND THE CONSTRUCTION AREA.
10. ALL MATERIALS FURNISHED ON OR FOR THE PROJECT MUST MEET THE MINIMUM REQUIREMENTS OF THE APPROVING AGENCY OR AS SET FORTH HEREIN, WHICHEVER IS MORE RESTRICTIVE.
11. CONTRACTORS MUST FURNISH PROOF THAT ALL MATERIALS INSTALLED ON THIS PROJECT MEET THE REQUIREMENTS OF ITEM NO. 10 AT THE REQUEST OF THE AGENCIES AND/OR THE ENGINEER.
12. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
13. ALL COSTS FOR RETESTING FOR PREVIOUSLY FAILED TESTS SHALL BE BACK CHARGED TO THE CONTRACTOR BY THE OWNER.
14. ALL COSTS TO THE CONTRACTOR INCURRED IN CORRECTING DEFICIENT WORK SHALL BE TO THE CONTRACTORS ACCOUNT. FAILURE TO CORRECT SUCH WORK WILL BE CAUSE FOR A STOP WORK ORDER AND POSSIBLE TERMINATION.
15. WORK SUBJECT TO APPROVAL BY ANY POLITICAL SUBMISSION OR AGENCY MUST BE APPROVED PRIOR TO BACKFILLING TRENCHES FOR PIPE. WORK DONE WITHOUT SUCH APPROVAL SHALL NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITIES OF PERFORMING THE WORK IN AN ACCEPTABLE MANNER.

WATER

1. THE WATER SYSTEM SHALL BE CONSTRUCTED TO CONFORM WITH THE STANDARDS SET FORTH IN THE "IDAHO REGULATIONS FOR PUBLIC DRINKING WATER SYSTEMS", THE PROJECT SPECIFICATIONS AND DRAWINGS AND "IDAHO STATE PUBLIC WORKS CONSTRUCTION" SPECIFICATION, LATEST EDITION.
2. WATER DISTRIBUTION MAINS SHALL BE CONSTRUCTED WITH CLASS 150 PVC (POLYVINYL-CHLORIDE) PIPE CONFORMING TO AWWA C-900. THE PIPE SHALL BE INSTALLED IN WORKMANLIKE MANNER BY PERSONS PROPERLY QUALIFIED TO PERFORM SAID WORK AND SHALL BE IN CONFORMANCE WITH THE MANUFACTURERS RECOMMENDATIONS AS APPROVED BY THE PROJECT ENGINEER. ALL WORK AND MATERIALS MUST CONFORM TO CURRENT REQUIREMENTS OF FOR THIS PROJECT.
3. ALL WATER MAINS SHALL HAVE A MINIMUM COVER OF FOUR FEET. AFTER INSTALLATION OF THE WATER MAINS, THE TRENCHES SHALL BE COMPACTED TO 90% OF MAXIMUM DENSITY TO PREVENT FURTHER SETTLEMENT. ALL MAINS SHALL BE LEAK TESTED, FLUSHED AND SANITIZED.
4. ALL GATE VALVES SHALL BE FLANGED AND/OR M.J. AND SHALL CONFORM TO AWWA C-509 SPECIFICATIONS AND SHALL HAVE A 200 P.S.I. WORKING PRESSURE RATING. ALL VALVES SHALL BE ANCHORED IN CONFORMANCE TO THE DETAIL SHOWN IN THE PROJECT ENGINEER SPECIFICATIONS AND DETAIL SHEET.
5. ALL TEES, PLUGS, CAPS, AND BENDS, AND AT OTHER LOCATIONS WHERE UNBALANCED FORCES EXIST, SHALL BE SECURED AND ANCHORED BY SUITABLE THRUST BLOCKING AS SHOWN IN THE STANDARD DRAWINGS OF THE PROJECT ENGINEER.
6. NO.12 DIRECT BURIAL WIRE SHALL BE PLACED ALONG THE NORTH AND EAST SIDE OF WATER MAINS AND SERVICE LINES. SEE STANDARD DRAWING NO. W-502(A). WIRE SHALL BE TAPED TO GATE VALVE SO IT IS ACCESSIBLE FROM ABOVE, BUT DOES NOT INTERFERE WITH VALVE OPERATION.
7. JOHNSON ENGINEERING WILL PROVIDE ONE (1) SET OF CONSTRUCTION STAKES FOR EACH OF THE FOLLOWING ITEMS: WATER MAIN LINES, FIRE HYDRANTS, AND SERVICE CONNECTIONS.
8. ALL WATER LINES SHALL BE DISINFECTED ACCORDING TO THE AWWA C652 SPECIFICATIONS, LATEST EDITION.
 - (A) THE DISTRIBUTION SYSTEM SHALL BE PRESSURE TESTED TO A MAXIMUM 150% OF NORMAL OPERATING PRESSURE BUT NOT LESS THAN 150 P.S.I. AND LEAK TESTED AT OPERATING PRESSURE TO THE SATISFACTION OF THE PROJECT ENGINEER.
 - (B) PRIOR TO THE USE OF THE PIPE LINE, IT SHALL BE DISINFECTED ACCORDING TO SPECIFICATIONS TO AWWA C801 AND THEN FLUSHED. THE DISINFECTION AND FINAL FLUSHING PROCEDURE SHALL BE TESTED TO DETERMINE IF THE APPROPRIATE MINIMUM CHLORINE (CL2) RESIDUALS HAVE BEEN EXCEEDED.
9. CONTRACTOR SHALL NOTIFY JOHNSON ENGINEERING THREE (3) WORKING DAYS BEFORE INITIAL CONSTRUCTION BEGINS AND SHALL ALSO REQUEST INSPECTION OF WATER LINES AND APPURTENANCES TWENTY-FOUR (24) HOURS IN ADVANCE OF BACKFILLING.
10. CONTRACTOR TO FIELD VERIFY ALL VALVE BOX LID ELEVATIONS TO ASSURE THAT SAID LID ELEVATIONS MATCH FINAL STREET GRADE, AND ALL METER LID ELEVATIONS TO MATCH AN EXTENSION OF THE SIDEWALK GRADE.
11. WATER MAIN CONSTRUCTION SPECIFICATION SHALL BE BY THE PROJECT ENGINEER.
12. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL SUBMIT TWO (2) SETS OF AS BUILT PLANS TO THE PROJECT ENGINEER.
13. THE WATER SERVICE LINES SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE DETAILS SHOWN IN THE STANDARD DRAWINGS. SERVICE LINE PIPE SHALL BE ULTRA-HIGH MOLECULAR WEIGHT POLYETHYLENE PIPE CONFORMING TO ASTM D-2239, DESIGNATION P.E. 3408.
14. CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, TWO WORKING DAYS BEFORE INITIAL CONSTRUCTION BEGINS, AND SHALL ALSO REQUEST INSPECTION OF WATER LINES AND APPURTENANCES TWENTY-FOUR (24) HOURS IN ADVANCE OF BACKFILLING.
15. THE FOLLOWING STANDARDS WILL BE OBSERVED.
 - 1) "IDAHO RULES FOR PUBLIC DRINKING WATER SYSTEMS" (IDAHO DEPARTMENT OF HEALTH AND WELFARE)
 - 2) "RULES AND REGULATIONS, WELL CONSTRUCTION STANDARDS", 1/89, (IDAHO DEPARTMENT OF WATER RESOURCES)
 - 3) APPROPRIATE SECTIONS OF "RECOMMENDED STANDARDS FOR WATER WORKS" (RSWW)
 - 4) AWWA, A100



PAYETTE RIDGE ESTATES

WATER DETAILS AND SPECIFICATIONS

JOHNSON ENGINEERING

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SCALE: NO SCALE
DATE: 06/28/95
DESIGNED BY: R.B.J.
SHEET: 14 OF 14
DWG. NAME: 2A PAYETTE DETAILS
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