



1. CASING SHALL EXTEND A MINIMUM OF THREE FEET (3') BEYOND THE FLOW LINE OF PARALLEL DITCHES, TOE OF THE FORESLOPE, OR FACE OF CURB AS APPLICABLE FOR THE HIGHWAY SECTION.

2. ENCASEMENT SHALL BE STEEL ENCASEMENT WITH THICKNESS CORRESPONDING TO ENCASEMENT/CARRIER PIPE SIZING SCHEDULE.

3. THE STRENGTH OF THE ENCASEMENT MATERIAL SHALL EQUAL OR EXCEED STRUCTURAL REQUIREMENTS FOR HIGHWAY DRAINAGE CULVERTS.

4. CASING SPACERS FOR CENTER POSITIONING WITHIN CASING. POLYETHYLENE SPACERS ARE ALLOWED FOR PVC PIPE IF APPROVED BY THE ENGINEER. ALL DUCTILE IRON PIPE SHALL HAVE STEEL Banded INSULATORS. THE CONTRACTOR SHALL SUBMIT THE CASING SPACER SIZES FOR ENGINEER.

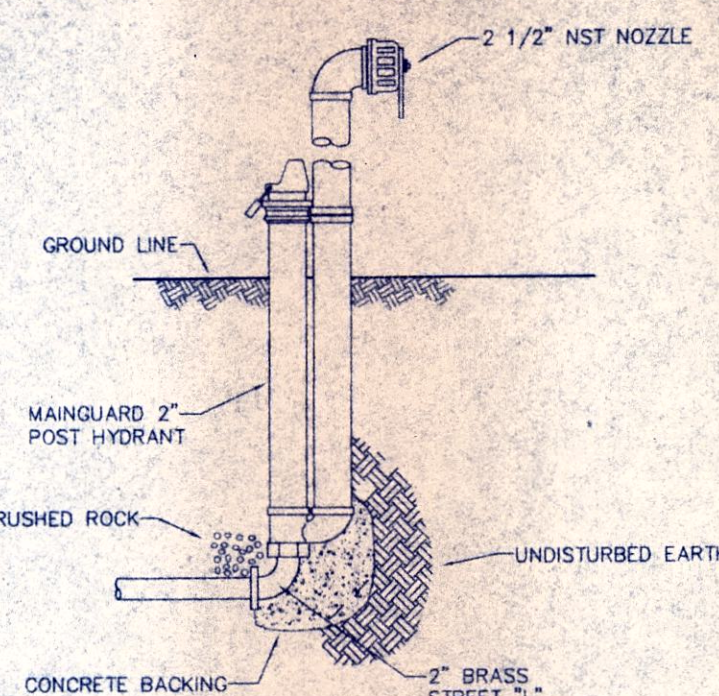
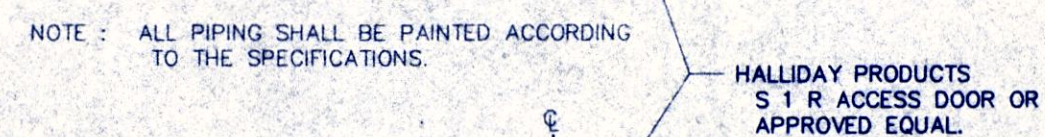
5. CASING PIPE SHALL BE SEALED AT THE ENDS WITH A WRAP AROUND END SEAL (SEE DETAIL). WRAP AROUND SEAL (ADVANCED PRODUCT SYSTEM OR APPROVED EQUAL) SHALL BE INSTALLED ON EACH END OF ENCASEMENT PIPE.

6. METHOD OF CONSTRUCTION SHALL COMPLY WITH THE ARKANSAS STATE HIGHWAY UTILITY ACCOMMODATION POLICY.

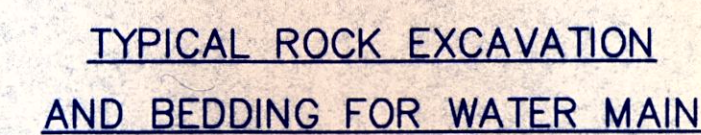
LINER: .090 THICK



2-WAY FIRE HYDRANT & GATE VALVE DETAILS

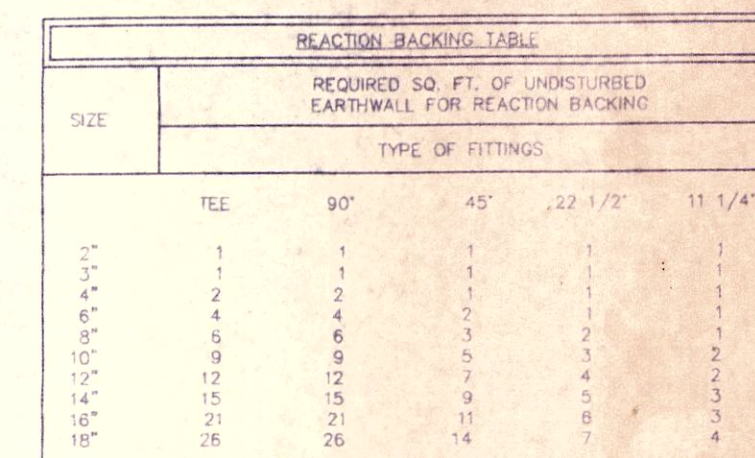


TYPICAL BLOW-OFF HYDRANT DETAIL



BEDDING NOTES

- 1) PIPE EMBEDMENT SHALL HAVE NO PARTICLE SIZE IN EXCESS OF 3/4" ANGULAR ROCK OR 1" ROUNDED STONES.
- 2) FINAL BACKFILL SHALL HAVE NO PARTICLE SIZE IN EXCESS OF 8" IN ANY DIMENSION.
- 3) HAND BEDDING WILL BE REQUIRED WHERE PVC PIPE IS USED.
- 4) MINIMUM TRENCH WIDTH SHALL BE PIPE DIAMETER PLUS 12" MEASURED AT THE SPRINGLINE TO ENABLE BACKFILL MATERIAL TO BE INSTALLED IN THE HAUNCHING AREA, IN NO CASE SHALL THE TRENCH WIDTH BE LESS THAN 18" WIDE.
- 5) TRACER WIRE SHALL BE TAPED DIRECTLY TO THE TOP OF THE PIPE.



THRUST BLOCKING DETAILS

