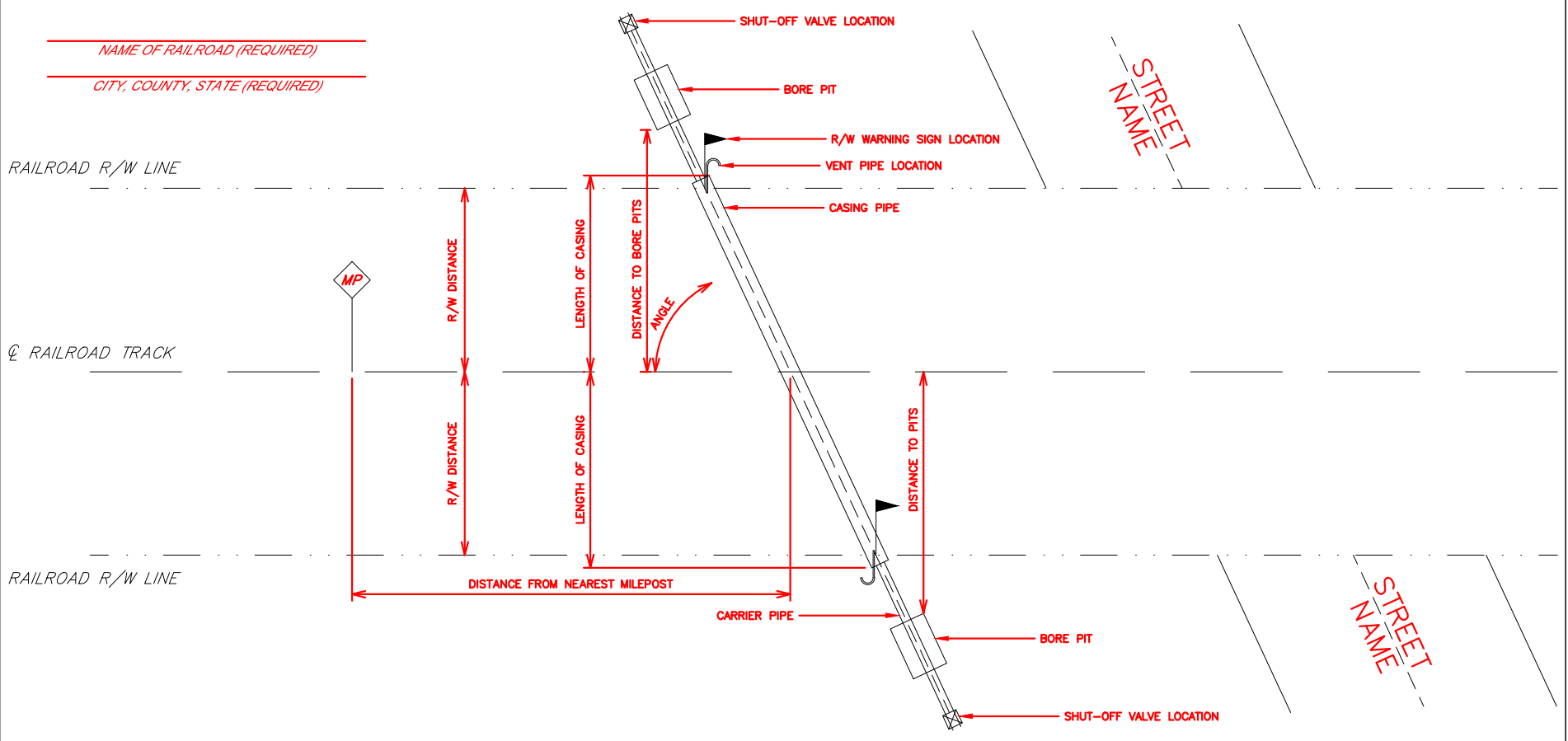




**GENESSEE & WYOMING**  
 ENGINEERING SERVICES  
 STANDARDS REFERENCE MANUAL

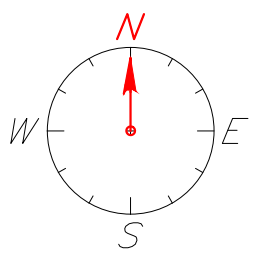
Issue Date: 10-14-2008  
 Revised Date: 01-07-2013  
 Authorized: *James J. Ferrante*  
 A/P - DESIGN

The material and equipment shown herein must meet or exceed all quality requirements. Any deviation from these standards must be submitted in writing and approved by the A/P of Engineering Services prior to use.



**GENERAL NOTES:**

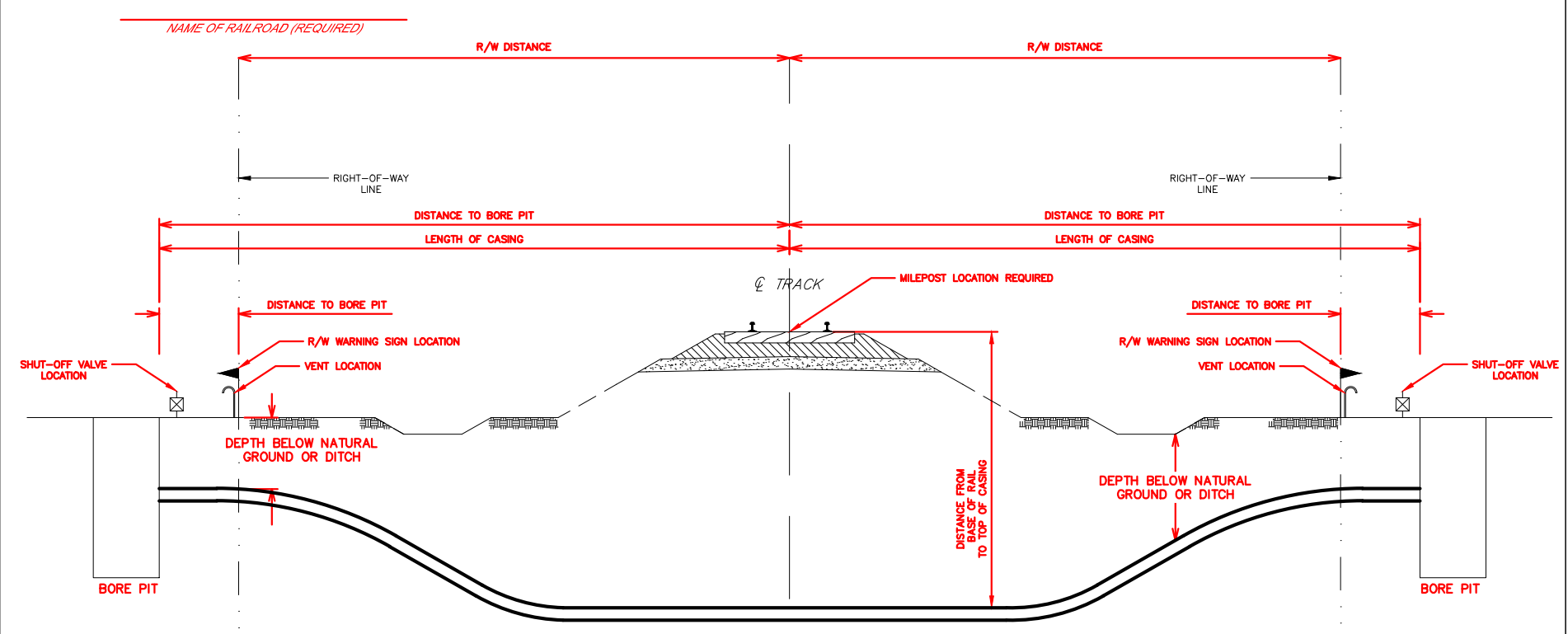
1. DISTANCE FROM NEAREST MILE POST OR ROAD CROSSING
2. CASING LENGTH AS DIMENSIONED FROM THE CENTER OF MAIN TRACK
3. ANGLE OF CROSSING
4. RAILROAD RIGHT-OF-WAY BOUNDARIES INCLUDING DISTANCES FROM CENTERLINE OF MAIN TRACK
5. BORE PIT LOCATIONS (INCLUDING DISTANCES FROM THE NEAREST TRACK)
6. RIGHT OF WAY WARNING SIGNS
7. VENT PIPE LOCATIONS
8. SHUT-OFF VALVE LOCATIONS (WITHIN 2000 FT OF THE TRACK)
9. GPS COORDINATES
10. LABEL CITY, COUNTY AND STATE



**MISCELLANEOUS**

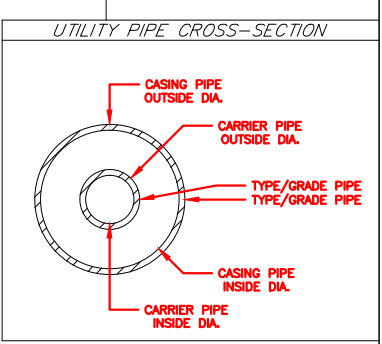
SERIES 8000

**UTILITY CROSSING APPLICATIONS (UNDERGROUND)**



**GENERAL NOTES:**

1. DISTANCE FROM BASE OF RAIL TO TOP OF OUTERMOST PIPE
2. MINIMUM DISTANCE FROM NATURAL GROUND OR DITCH LINE TO TOP OF OUTERMOST PIPE
3. CASING LENGTH AS DIMENSIONED FROM THE CENTER OF MAIN TRACK
4. RAILROAD RIGHT-OF-WAY BOUNDARIES INCLUDING DISTANCES FROM CENTERLINE OF MAIN TRACK
5. BORE PIT LOCATIONS (INCLUDING DISTANCES FROM THE NEAREST TRACK)
6. RIGHT OF WAY WARNING SIGNS
7. VENT PIPE LOCATIONS
8. SHUT-OFF VALVE LOCATIONS (WITHIN 2000 FT OF THE TRACK)
9. METALLIC RIBBON/WIRE FOR RADIO LOCATING (FOR FIBER OPTIC CABLE ONLY)
10. CARRIER AND CASING PIPE DIMENSIONS (INCLUDING GRADE OF PIPE)



ES8090.4

SH. 1 OF 1

TYP DWG