



**NOTES:**

1. ALL CONCRETE TO BE 3600 P.S.I. COMPRESSIVE STRENGTH.
2. TYPE OF PIPE TO BE USED IS 1-5/8" MAX. O.D. BLACK IRON, LOW CARBON PIPE OR GALVANIZED.
3. ALL JOINTS TO HAVE A 1/2" FILLET WELD AT ALL JOINTS.
4. AFTER INSTALLATION PAINT ASSEMBLY WITH BLACK ALL WEATHER ENAMEL.
5. SEE DETAIL R-31.0A FOR WARRANTS
6. ALTERNATIVE DESIGNS SHALL BE SENT TO MOORESVILLE ENGINEERING SERVICES DIRECTOR FOR APPROVAL.
7. HANDRAILS MUST EXTEND A MINIMUM OF 20'-0" PAST THE END OF THE WINGWALL.



**TOWN OF MOORESVILLE**

STANDARD DETAIL

ROAD SYSTEMS  
SAFETY RAIL  
STANDARD

June 2018

NTS

R - 31.0