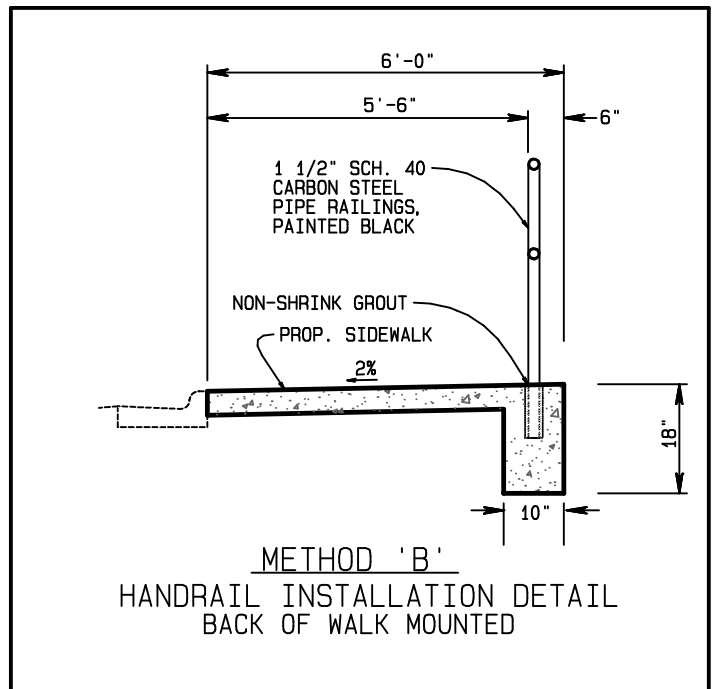
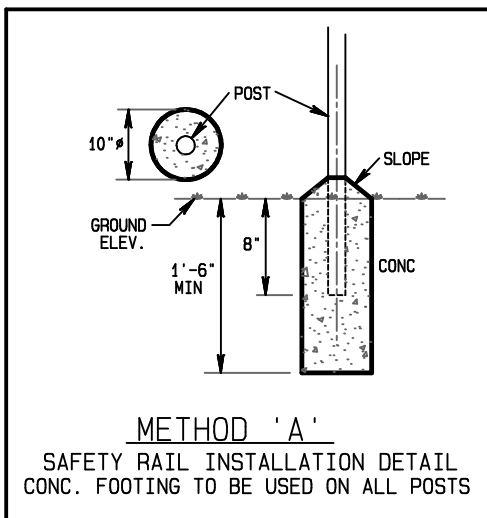


SAFETY RAIL DETAIL



SAFETY RAIL IS REQUIRED IF:

- THERE IS A VERTICAL DROP OF 30" OR MORE WITHIN 4 FT OF THE WALK
- THERE IS A SLOPE OF 2: 1 OR STEEPER WITHIN 4 FT OF THE BACK OF THE WALK
- THERE IS A SLOPE OF 3: 1 OR STEEPER WITHIN 4 FT OF THE BACK OF WALK WITH A TOTAL ELEVATION CHANGE OF 6 FT OR GREATER.

SAFETY RAIL NOTES:

1. ALL RAILING IS TO BE 1 1/2" SCH. 40 CARBON STEEL TUBING.
2. SECTIONS TO BE JOINED, WHERE NECESSARY, WITH FRICTION-TYPE INTERNAL SPLICES SECURED WITH EPOXY. NO FIELD WELDING OR MECHANICAL FASTNERS WILL BE ALLOWED.
3. RAILS ARE TO BE SHOP ROLLED TO MATCH REQUIRED CURVATURE AS NECESSARY. FIELD BENDING IS NOT ALLOWED.
4. BOTTOM OF POSTS TO BE EMBEDDED IN CONCRETE SHOULD FIRST BE PROTECTED WITH TWO-PART EPOXY DIPPING OR ZINC CHROMATE COATING TO PREVENT CORROSION.
5. ONLY NON-METALLIC, NON-SHRINK GROUT IS TO BE USED FOR SECURING POSTS IN CONCRETE.
6. ALL EXPOSED BUTT JOINTS TO BE TIGHT AND FLUSH.
7. USE METHOD 'B' WHEN THE CENTER OF THE RAIL IS 6" OR LESS FROM THE BACK OF WALK.
8. THE HANDRAIL FOR INCLINED SURFACES IS REQUIRED WHEN THE RUNNING SLOPE IS 5% OR GREATER AND SHALL MEET ALL THE APPLICABLE REQUIREMENTS AND PROVISIONS OF SECTION R408 OF THE ADA ACCESSIBILITY GUIDELINES FOR PUBLIC RIGHTS-OF-WAY
9. FINISH WITH 1 COAT OF EPOXY PRIMER AND 2 COATS OF ALL WEATHER ENAMEL PAINT, SEMI-GLOSS, COLOR BLACK
10. USE OF COG 446A IS ONLY FOR AREAS WHERE THERE ARE LINE OF SIGHT ISSUES. OTHERWISE, USE COG 446.
11. ANY SUBSTITUTION OF OTHER MATERIALS MUST BE APPROVED BY THE ENGINEER.

CITY OF GREENSBORO

SAFETY FENCE FOR PEDESTRIANS WITH HANDRAIL OPTION

| STD. NO. | REV. |
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| 446-A | 06/07 12/13 03/15 |