



**NOTES:**

1. CONCRETE SHALL BE 4000 PSI, AIR ENTRAINED,  $\frac{3}{4}$ " MAXIMUM SIZE AGGREGATE. THE CONCRETE SHOULD BE VIBRATED TO ELIMINATE AIR POCKETS.
2. THE FINISHED LEVEL OF THE CONCRETE SURFACE MUST BE APPROX.  $\frac{1}{8}$ " ABOVE THE TOP OF THE CHANNEL EDGE.
3. GRATE SHALL HAVE GAPS NO GREATER THAN  $\frac{1}{2}$ " WIDE IN ONE DIRECTION. IF GRATE OPENINGS ARE ELONGATED THEN THE LONG DIMENSIONS SHOULD BE PERPENDICULAR TO THE PRIMARY DIRECTION OF TRAVEL.
4. TRENCH DRAIN SYSTEM SHALL CONFORM TO THE DESIGN LOADING REQUIREMENTS LISTED IN THE SPECIFICATIONS.
5. GRATE SHALL BE ADA COMPLIANT.
6. TRENCH DRAIN SHALL HAVE A MINIMUM 0.5% CONTINUOUS LONGITUDINAL SLOPE ALONG THE BOTTOM OF THE CHANNEL.



**Public Works Department  
Engineering Division**

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**12" TRENCH DRAIN WITH GRATE  
PREFABRICATED**

**DATE OF ISSUE:  
DECEMBER 2024**

**SCALE: N.T.S.**

**DETAIL NO.**

**G.105**