

INTAKE GRATE

**\*\*From Cornwall BRS 0172(6)**

- xx. DESCRIPTION. This work shall consist of furnishing and installing an intake grate and pipe increaser at the locations indicated in the Plans and as directed by the Engineer.
- xx. MATERIALS. Materials shall meet the following requirements:
  - (a) Grate. The grate shall have 52 cm<sup>2</sup> minimum/65 cm<sup>2</sup> maximum (8 in<sup>2</sup> minimum/10 in<sup>2</sup> maximum) of free open area and shall be capable of intercepting 0.0085 m<sup>3</sup>/sec. (0.30 ft<sup>3</sup>/sec.) of flow and providing 150 mm (6 inches) of head. The grate shall be one of the following:
    - (1) "Nyloplast®" 150 mm (6 inch) diameter drop-in style ductile iron grate.
    - (2) NDS™ Duracast™ 150 mm (6 inch) diameter drop-in-style cast iron grate.
    - (3) Neenah Foundry Model R-4380-4 Flat Bar Drainage Gate.
  - (b) Pipe Increaser. Pipe increaser material shall be of the same material as the intake pipe and of the size specified in the Plans or as directed by the Engineer.
- xx. METHOD OF MEASUREMENT. The quantity of Special Provision (Intake Grate) to be measured for payment will be the number of each intake grate with pipe increaser installed in the complete and accepted work.
- xx. BASIS OF PAYMENT. The accepted quantity of Special Provision (Intake Grate) will be paid for at the Contract unit price for each. Payment will be full compensation for furnishing, transporting, handling, and placing the material specified and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
900.620 Special Provision (Intake Grate)	Each