

Instructions

Data Sheet for Underground Outlet NE-ENG-306 ***Material, Layout, and Construction Check***

Instructions for use of NE-ENG-306

Completely fill out the heading, location map, and legal description. The following notes refer to the circled numbers on the sample form.

Design

Line ID	the outlet line number or letter that corresponds to the location map
Riser # or Sta	the riser number or station for the outlet line identified in "Line ID"
Riser Slots/Holes Elev	design elevation of the bottom of riser perforations for the riser
Mainline Pipe Elev	design elevation of mainline at the riser
Orifice Elev	design orifice elevation for the riser identified in "Riser # or Sta"
TBM Elev	benchmark elevation – All benchmarks shall be clearly defined and identified. When more than one benchmark is used, bench levels shall be run (and closed within allowable limits) between the benchmarks.

Construction Check

Backsight	a level sighting of the rod when it is on the benchmark
H.I.	benchmark elevation plus rod reading from "Backsight"
Mainline Pipe El	HI minus rod reading when the rod is in the channel
Orifice Elev	HI minus rod reading when the rod is on the orifice plate
Riser Slot/Holes Elev	HI minus rod reading when the rod is on the trench bottom

Riser Inlet Data

Line ID	same as shown in Design
Riser # & Sta	this number shall correspond to the riser shown in Design
Dia (in)	riser diameter, in inches
Length	length of riser section from elbow to top, in feet
Slots or Holes	openings in the riser section; i.e., 1" dia. holes or 1" x 4" slots
Materials & PSI rating	material that the riser is constructed of
Orifice Dia. (in)	diameter of the orifice, in inches

Offset Sections

Dia (in)	diameter of the offset pipe, in inches
Length	length of the offset pipe, in feet
Materials & PSI Rating	material that the offset section is constructed of

Mainline Sections

Station	used to show beginning and end stations for each size and/or PSI rating of mainline pipe.
Dia (in)	mainline pipe diameter for the reach identified in "Station", in inches
Length	pipe length for reach identified in "Station", in feet
Materials & PSI Rating	material that mainline is constructed of

Outlet Section

Outlet Section used only when the outlet section is different material, PSI rating or diameter than the mainline section immediately upstream.

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