105-R-610 STRUCTURE FLOWLINE VERIFICATION

(Adopted 02-21-13)

The Standard Specifications are revised as follows:

SECTION 105, BEGIN LINE 253, DELETE AND INSERT AS FOLLOWS:

(b) Construction Engineering by the Contractor

If set out as a pay item, the construction engineering, including all staking and layout usually done by the Department, shall be performed by the Contractor. Construction engineering shall include re-establishing the survey points and survey centerlines; referencing the necessary control points; running a level circuit to check or re-establish plan bench marks; running a level circuit to establish elevations on new bench mark tablets; setting stakes for right-of-way, culverts, slopes, subbase, underdrains, paving, subgrade, bridge piers, abutments, and all other stakes required for control lines and grades; ~~and~~ setting vertical control elevations, such as footings, caps, bridge seats, and screed elevations; *and obtaining flowline elevations*. Construction engineering shall also include documenting the underground wiring as located by the Department.

SECTION 105, BEGIN LINE 348, INSERT AS FOLLOWS:

When staking culverts, the Contractor shall perform the necessary checking to establish the proper location, length, skew, and grade. Prior to culvert installation the Engineer will approve adjustments in the location, length, skew, and grade to fit best the conditions on the site. The Contractor will not be responsible to verify that the culvert is of adequate opening.

Where sumping is shown on the plans, the Contractor shall obtain the existing flowline elevation. This information will be used to verify that the planned sump depth matches existing conditions. Prior to culvert or bridge working drawing design the Engineer will determine adjustments in footing or invert elevation necessary to provide the appropriate sump depth.