Work Sheet: 208pbmbs

October 31, 2013

REVISION OF SECTION 208

PERMANENT WATER QUALITY BMP

AS CONSTRUCTED SURVEY

Section 208 of the Standard Specifications is hereby revised for this project as follows:

Subsection 208.10(b) shall include the following:

The permanent BMPs to be surveyed will be discussed at the Environmental Preconstruction Conference. The results of the survey shall be provided on an electronic drawing of each BMP in MicroStation format showing the information specified in section 6.13 of the CDOT Survey Manual.

The survey shall be performed in accordance with the Section 6.13 of the CDOT Survey Manual. The Contractor may request copies of the MicroStation electronic design files for the permanent BMPs if available. A draft of the printed copy of the MicroStation format drawing shall be provided 14 days in advance of the final water quality project walkthrough. At the final water quality walkthrough the as constructed BMP survey shall be reviewed and any necessary revisions determined. The Contractor shall make the requested revisions as needed within 5 days of the final water quality walkthrough and submit final copies of the electronic files on a CD to the Project Engineer.

Listed below are the permanent water quality BMPs to be surveyed:

♦

▲Subsection 208.12 shall include the following:

▲All work and materials required to perform the permanent BMP survey and furnish the three electronic files shall be included in the original unit price bid for surveying. Surveying will be measured and paid for in accordance with Section 625.

**INSTRUCTIONS TO DESIGNERS** (Delete instructions and symbols from final draft.):

♦ Insert the permanent water quality BMPs to be surveyed including station locations and offset (examples are listed below):

Extended Detention Basin with Micropool

Wet Retention Basin

Wet Extended Detention Basin

Shallow Wetland

Extended Detention Shallow Wetland

Pond/Wetland System

Pocket Wetland

Infiltration Trench

Infiltration Basin

Surface Sand Filter Extended Detention Basin

Subsurface Sand Filter

Perimeter Sand Filter

Organic Filter

Pocket Sand Filter

Bioretention

Dry Swale

Wet Swale

Catch Basin Inserts

Water Quality Inlet with Oil/Grit Separator

Deep Sump Catch Basins

On-Line Storage in Storm Drain Network (Vaults)

Proprietary/Manufactured Systems

Porous Pavement Detention

▲ If Surveying (Lump Sum) is already included as a pay item, make sure to include the Survey Tabulation Data Sheet in the plans and mark the Permanent Water Quality BMP item listed under “Minor Structures” in the 2nd column.

▲ Use Survey (Hour) if there is little or no other survey work on the project. In this case add the 625 project special provision Revision of Section 625 Permanent Water Quality BMP As Constructed Survey shown below.

REVISION OF SECTION 625

PERMANENT WATER QUALITY BMP

AS CONSTRUCTED SURVEY

Section 625of the Standard Specifications is hereby revised for this project as follows:

Subsection 625.12 shall include the following:

**625.12** Construction surveying of permanent BMPS will be measured by the hour.

Subsection 625.13 shall include the following:

**Pay Item Pay Unit**

Surveying Hour

All work and materials required to perform the permanent BMP survey and furnish the three electronic files shall be included in the original unit price bid for surveying.