



Record Drawing Submittal Checklist for Stormwater Management Improvements

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Centennial, CO 80112
303.858.8877

Record Drawings must be submitted to SEMSWA for all Stormwater Public Improvements as part of the Probationary Acceptance (PA) process. The Record Drawing submittal shall include the Record Drawings, .DWG files, and the Stormwater Detention & Infiltration Notification requirements as described below. The submittal of all documents shall be emailed to esubmittals@semswa.org.

Engineer of Record shall submit a Portable Document Format (PDF) version of the Construction Drawings plan set (CDs) as approved by the City of Centennial (City approval stamp on all sheets) updated with the as-built conditions shown. All changes (including minor variations & approved field change orders) to the approved design shall be shown in the color Red.

The Record Drawings plan set shall include all sheets from the stamped approved CDs pertinent to stormwater management improvements, including site grading plans. Each plan sheet shall include in large bold text, 'Record Drawing'. If the Construction Drawings were formally amended and stamped approved those sheets should also be included.

The SEMSWA Record Drawing Certification Block shall be affixed to the Record Drawing's cover sheet with all required information provided, signed, stamped and dated. Certification Block can be found at: <http://www.semswa.org/spip-centennial.aspx>.

As-built construction conditions indicated by single strikeout of design data and insert of new data in the color Red.

Structure type and construction material for all storm sewer structures. Coordinates of center of structure, or corners of non-circular structures. Surveyed elevations of top of structure and all pipe inverts inside all structures.

Size, material, installed length and calculated slope of all storm sewer pipes. Elevations and coordinates at ends of pipe not within structures and flared end sections.

Provide sufficient as-built finished grade spot elevations (shown on site grading plan) to justify the approved drainage pattern has been achieved. Include high points (HP), low points (LP) and any other critical locations.

Centerline elevations and coordinates at the end points, grade breaks and at 50' maximum interval along the length of all constructed/ improved conveyance swales/ channels. Location (coordinates), elevations and dimensions of all drop structures. Top elevations and dimensions of all channel lining materials (riprap, concrete, etc...). Cross sections of ground surface (tops and toes of slopes) at upstream and downstream ends of channel, at grade breaks and at a maximum interval of 50'.

WQCV, EURV and 100-year detention volumes (design and as-built) with corresponding elevations for all Detention Pond/ Water Quality BMP facilities. As-built data to verify all Detention Pond/ Water Quality BMP facility control structures have been constructed per design criteria, including but not limited to dimensions and elevations of the outlet structure, forebays, micropools, wiers and orifice plates. Flowline elevations at a maximum interval of 25' for pond trickle channels. Elevations, dimensions and coordinates of pond overflow spillways.

Provide revised details (e.g. shop drawing, product operation and maintenance manual, etc.) of the Water Quality BMPs if they differ from the approved construction drawings.

Provide an Autocad DWG file with the base drawings, including design contours. The submitted Autocad DWG should be in State Plane Coordinates, Colorado Central Zone, NAD83 and NAVD 88 Vertical Datum; Or provide two control points with published state plane coordinates i.e. NGS, Arapahoe County Horizontal Control Network within the drawing to enable SEMSWA to make the conversion. Submit one drawing named 'Asbuilts'. Block Definitions must be exploded and all features must be on their own layer. No XREFs and any external content must be inserted into the drawing.

Provide the Stormwater Detention & Infiltration Notification requirements per the SEMSWA Stormwater Detention and Infiltration Notification procedure found at <http://www.semswa.org/spip-centennial.aspx>