

SECTION 01720
RECORD DRAWINGS

PART 1 GENERAL

1.01 SCOPE

- A. This section addresses the Record Drawings of the construction of the storm sewer mains, facilities and appurtenances.
- B. No residential building permits will be granted until Record Drawings have been received, reviewed, and accepted by the City.

1.02 RECORDING OF DRAWINGS

- A. Each drawing shall be labeled "RECORD DRAWINGS" in neat large printed letters.
- B. Construction information shall be recorded by Contractor concurrently with construction progress.
- C. Project Record Drawings shall be marked legibly and with an indelible pen.
- D. Project Record Drawings shall record actual construction and contain, but not limited to, the following:
 - 1. Field dimensions and details, particularly including pipe diameters, critical hydraulic structure dimensions, orifice plate sizes, riprap extent, and channel/drainageway/swale cross-sections.
 - 2. Field changes which are made by minor deviations to the design drawings.
 - 3. Details that are not on the original Construction Drawings.
 - 4. Elevations of manhole inverts and other critical hydraulic structure components in relation to project datum, which shall be accomplished by a field survey after construction.
 - 5. Pipe and/or channel/drainageway/swale grade percentages.
 - 6. Verification of detention pond volumes.
 - 7. Other information as specifically requested by the Stormwater Utility.
- E. Minor changes, including incorrect references and grade changes less than 0.1 foot, are not required to be included on the Project Record Drawings.

1.03 MAINTENANCE OF PROJECT RECORD DRAWINGS DURING CONSTRUCTION

- A. Record Drawings and any documents used for the preparation of said Drawings shall be stored apart from documents used for construction.
- B. The contractor shall maintain Record Drawings in a clean, dry, legible condition and in good order.

1.04 SUBMISSION

- A. Record Drawings shall be submitted, for acceptance, to the City with a transmittal letter containing the following:
 - 1. Date.
 - 2. Project Title.
 - 3. Design Engineer's name, address, and telephone number.
 - 4. Title and number of each Record Document.
 - 5. The letter from the Colorado licensed professional engineer includes a spreadsheet with as-built stormwater pipe quantities in linear feet by diameter and material. Indicate whether pipe is publicly or privately maintained.
 - 6. The signature of the Design Engineer, and their Colorado Professional Engineer stamp.
- B. Project Record Drawings shall be:
 - 1. Prepared utilizing the original mylar plans, showing any deviations from the approved plans.
 - 2. Submitted on mylar, as well as in an approved electronic submittal format.
 - 3. Signed and stamped with the Design Engineer's statement that the changes have not affected the intent of the originally accepted plans.
- C. The initial acceptance of the storm sewer will not be made until all City requirements are satisfied and the Project Record Drawings are received and accepted by the City.
- D. The final drawings of the storm sewer will not be made until the Project Record Drawings are received and accepted by the City.

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

Not Used

END OF SECTION