

Four Canyons Parkway Phase 2A Project

SPECIAL PROVISIONS

GENERAL:

The descriptions of the pay items listed in the Bid Schedule for this Project may not agree with those listed in the Standard Specifications. Payment for all Work performed, as required in the Contract Documents, will be in accordance with the items and units listed in the Bid Schedule.

STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION:

The *City of Grand Junction Standard Specifications for Road and Bridge Construction* are hereby modified or supplemented for this Project by the following modifications to *The Standard Specifications for Road and Bridge Construction*, State Department of Highways, Division of Highways, State of Colorado:

SP-1 SECTION 203 – POTHOLING

Section 203 of the Standard Specifications is hereby revised for this project as follows:

Subsection 203.05(g) shall include the following:

All potholing shall be accomplished using noninvasive, vacuum equipment. All potholing methods and locations shall be preapproved by the Project Engineer. Any potholing that has not been preapproved by the Project Engineer shall be at the Contractor's expense.

SP-2 SECTION 203 – PROOF ROLLING

Section 203 of the Standard Specifications is hereby revised for this project as follows:

Delete Subsection 203.11(f)

In Subsection 203.12, delete the pay item Proof Rolling and add the following:

Proof Rolling will not be measured and paid for separately but shall be included in the work.

SP-3 SECTION 206 – EXCAVATION AND BACKFILL FOR STRUCTURES

Section 206 of the Standard Specifications is hereby revised for this project as follows:

Subsection 206.07 shall include the following:

Structure excavation and structure backfill required for all manholes, valve boxes, inlets, walls, pipes, culverts, utility conduits, extensions, removed pipes and removed conduits will not be measured and paid for separately but shall be included in the work.

SP-9 SECTION 630 – PORTABLE MESSAGE SIGN PANEL

Section 630 of the Standard Specifications is hereby revised for this project as follows:

Subsection 630.01 shall include the following:

This project shall require the mobilization, operation, and maintaining of portable message sign panels. Four (4) portable message sign panels will be required to be available for utilization on the project, within 12 hours of the Project Engineer's request, for the duration of the project. Additional portable message sign panels may be required during the progress of the work. Multiple mobilizations of the sign panels may also be required.

Add Subsection 630.031 immediately following subsection 630.03 as follows:

630.031 Portable Message Sign Panel. Portable message sign panel shall be furnished as a device fully self-contained on a portable trailer, capable of being licensed for normal highway travel, and shall include leveling and stabilization jacks. The panel shall display a minimum of three – eight-character lines. The panel shall be a dot-matrix type with an LED legend on a flat black background. LED signs shall have a pre-default message that activates before a power failure. The sign shall be solar powered with independent back-up battery power. The sign shall be capable of 360 degrees rotation and shall be able to be elevated to a height of at least five feet above the ground measured at the bottom of the sign. The sign shall be visible from one-half mile under both day and night conditions. The message shall be legible from a minimum of 750 feet. The sign shall automatically adjust its light source to meet the legibility requirements during the hours of darkness. The sign enclosure shall be weather tight and provide a clear polycarbonate front cover.

Solar powered message signs shall be capable of operating continuously for 10-days with any sun. All instrumentation and controls shall be contained in a lockable enclosure. The sign shall be capable of changing and displaying sign messages and other sign features such as flash rates, moving arrow, etc.

The Contractor and Project Engineer shall decide together the best locations for the portable message sign panels. The portable message sign panels shall be placed at strategic locations at least 10-days prior to any roadway closures.

STANDARD SPECIFICATIONS FOR CONSTRUCTION OF WATER LINES, SANITARY SEWERS, STORM DRAINS, UNDERDRAINS AND IRRIGATION SYSTEMS

The City of Grand Junction *Standard Specifications for Construction of Water Lines, Sanitary Sewers, Storm Drains, Underdrains and Irrigation Systems* are hereby modified for this Project as follows:

SP-10 WATERLINE SPECIFICATIONS

For waterline construction, this project shall reference Ute Water Conservancy District's waterline specifications and standard waterline details. Ute Water's waterline specifications are provided within Appendix B – Project Manual. Ute Water's standard waterline details are provided in the construction plans. Any questions regarding waterline construction shall be directed to the City Project Engineer who will then contact Ute Water for advice and answers.

SP-11 SECTION 102 – MATERIALS

Section 102 of the Standard Specification is hereby revised for this project as follows:

Within subsection 102.11, replaced the first sentence within the Corrosion Protection section with the following sentence:

All drop manholes (manholes with fall greater than 0.40' fall through the manhole), force main outlet manholes, and lift station wet wells shall be coated on the interior surfaces of the riser, cone and other exposed concrete surfaces with a **minimum 100 mil dry film thickness** of Sherwin Williams COR-COTE SC Sewer Cote; Tnemec Perma-Glaze Series 435; Sauereisen SewerGard 210 XHB, or an approved equal.

SP-12 SECTION 103 – REMOVALS, EXCAVATION, BACKFILLING & RESTORATION

Section 103 of the Standard Specifications is hereby revised for this project as follows:

Subsection 103.10, Cutoff Walls, shall include the following:

Payment for this work will not be measured or paid for separately and will be considered incidental to the installation of Gravity Sewer Pipe. Refer to Section 108.13 for list of Incidental Construction items.

Subsection 103.16, Earth Backfill Material, shall include the following:

Native material excavated on site shall be used for backfill on all pipelines and appurtenances above the bedding and haunching material unless the native material is too wet and/or otherwise unsuitable for backfill as determined by the Project Engineer or the Project Inspector. In such case, imported trench backfill material, or other approved material, shall be used and paid for per ton of material supplied, placed and compacted. The Contractor will be required to salvage useable materials from the project excavations and mix the useable material with imported trench backfill prior to placing backfill in the trench. The contract price for "Imported Trench Backfill" shall include the disposal of the unsuitable material.

SP-13 SECTION 105 – PIPELINE TESTING

This is a new sewer installation project, and as a result, the new sewer pipe shall be tested for leakage and alignment before final acceptance per Section 105 – Pipeline Testing.

The City will provide CCTV video inspection of the new sewer lines. The Contractor will not be responsible for CCTV video inspection. The Contractor shall notify either the Project Engineer or Project Inspector when the sewer line is ready for CCTV video inspection. If requested by the City, the Contractor shall provide water to dump down the new sewer lines before CCTV video inspection starts.

SP-14 CONSTRUCTION PHASING PLAN

The proposed construction of Four Canyons Phase 2A is limited to underground utility installation, including through the intersection of 24 ³/₄ Road & the proposed Four Canyons Pkwy (future phase). Therefore, construction phasing plan shall include adequate detail to ensure traffic travel is maintained to the greatest extent practical during the installation of utilities through the intersection of 24 ³/₄ Road & the future Four Canyons Parkway. At a minimum, intermittent one-way travel lanes, for north and southbound travel shall be maintained during construction. Full closures through said intersection will not be permitted.