

SPECIAL CONDITIONS

CITY OF GRAND JUNCTION
DEPARTMENT OF PUBLIC WORKS AND UTILITIES
ENGINEERING DIVISION

Ranchmen's Ditch Flood Control, Phase I

SPECIAL CONDITIONS

The performance of the Work for this Project shall conform to the General Contract conditions presented in the City of Grand Junction's *Standard Contract Documents for Capital Improvements Construction*, revised May, 2006 except as specifically modified or supplemented herein or on the Construction Drawings.

SC-1 Project Description: the project generally consists of the installation of approximately 2080 LF of 96" RCP storm sewer, 7320 LF of 90" RCP storm sewer, 620 LF of 78" RCP, 8 triple Type R inlets, 1 large cast-in-place reinforced concrete junction box, and 4700 LF of 10" ASTM D2241 160 PSI PVC (SDR-26) pressure pipe. Also included are various manholes, subgrade stabilization, asphalt and concrete removal and replacement, lateral connections to storm mains, revegetation, stormwater management plan implementation, and other miscellaneous work elements.

SC-2 Project Engineer: The Project Engineer for the Project is David R. Donohue, who can be reached at (970)244-1558. All notices, letters, submittals, and other communications directed to the City shall be addressed and mailed or delivered to:

City of Grand Junction
Department of Public Works and Utilities
Attn: David R. Donohue, Project Engineer
250 North Fifth Street
Grand Junction, CO 81501

SC-3 Pre-Bid Meeting:
A pre-bid meeting will be held at 1:00 p.m. on Wednesday, July 23, 2008, in the Auditorium at City Hall, 250 North 5th Street. The pre-bid meeting is mandatory

SC-4 Affirmative Action: The Contractor is not required to submit a written Affirmative Action Program for the Project.

SC-5 Time of Completion: The scheduled time of Completion for the Project is **242 Calendar Days** from the starting date specified in the Notice to Proceed.

Completion is achieved when site clean up and all punch list items (resulting from the final inspection) have been completed. Completion shall have the meaning set forth in Article I, Section 3 (Definitions and Terms) of the General Contract Conditions.

The anticipated schedule for the Project is as follows:

Bid Opening:	August 5, 2008
City Council approval:	August 20, 2008
Notice of Award:	August 21, 2008
Contractor delivers Contract, Bond and Insurance Cert.	August 29, 2008
Preconstruction meeting:	September 1, 2008
Begin work:	September 2, 2008
Substantial Completion:	March 15, 2009
Final Completion:	May 1, 2009

The following additional schedule constraints apply:

- All installation of pipe and related appurtenances shall be complete by March 14 2009 so that the system can be inspected and prepared for use in transmission of large irrigation flows which will commence on March 29, 2009.
- Installation of all improvements at, on, and/or adjacent to Schlotsky's and Barnes and Noble shall be performed between January 2, 2009 and March 14, 2009.
- Work can be performed at night or during the day. Traffic control conditions are stipulated elsewhere in these contract documents and they vary, depending on whether the contractor is working at night or during the day time. At locations where utility conflicts are encountered, the Contractor shall coordinate with the Utility Company owning or operating the subject utility to effect its relocation or protection during the installation of improvements. This may include the need to work at night or during the day so as to accommodate personnel availability with the Utility Company. If such a need for schedule adjustment arises, the contractor is obligated to make the adjustment to continue with the work.
- Installation of the improvements near and across Commerce Blvd., Northgate Drive, Callahan Edfast Mortuary drive, and the two ditch crossings west of 25 Rd. shall each be completed and the drives/streets reopened with no more than three calendar days of closure for each crossing, for work performed under this contract.
- Installation of improvements near and across 25 Rd. shall be completed and the street reopened to traffic with no more than 10 calendar days of closure for work performed under this contract.
- Installation of improvements near and across the Patterson Rd. driveway entrance to the C&F convenience store at 25 Rd. and Patterson Rd. shall be performed with no more than 6 calendar days of closure for work performed under this contract.

SC-6 Liquidated Damages:

If the Contractor does not achieve Final Completion by the required date, whether by neglect, refusal or any other reason, the date for Final Completion may be extended in writing by the Owner. As provided elsewhere, this provision does not apply for delays caused by the City. The parties agree and stipulate that the Contractor shall pay liquidated damages to the City for each such day that final completion is late.

The Contractor agrees that as a part of the consideration for the City's awarding of this Contract liquidated damages in the daily amount of **\$400** is reasonable and necessary to pay for the actual damages resulting from such delay. The parties agree that the real costs and injury to the City for such delay include hard to quantify items such as: Additional engineering, inspection and oversight by the City and its agents; additional contract administration; inability to apply the efforts of those employees to the other work of the City; perceived inefficiency of the City; citizens having to deal with the construction and the Work, rather than having the benefit of a completed Work, on time; inconvenience to the public; loss of reputation and community standing for the City during times when such things are very important and very difficult to maintain.

The Contractor must complete the Work and achieve final completion included under the Bid Schedule in the number of consecutive calendar days after the City gives is written Notice to Proceed. When the Contractor considers the entire Work ready for its intended use, Contractor shall certify in writing that the Work is substantially complete. In addition to the Work being substantially complete, Final Completion date is the date by which the Contractor shall have fully completed all clean-up, and all items that were identified by the City in the inspection for final completion. Unless otherwise stated in the Special Conditions, for purposes of this liquidated damages clause, the Work shall not be finished and the Contract time shall continue to accrue until the City gives its written Final Acceptance.

If the Contractor shall fail to pay said liquidated damages promptly upon demand thereof after having failed to achieve Final Completion on time, the City shall first look to any retainage or other funds from which to pay said liquidated damages; if retainage or other liquid funds are not available to pay said liquidated damages amounts, the Surety on the Contractor's Performance Bond and Payment Bond shall pay such liquidated damages. In addition, the City may withhold all, or any part of, such liquidated damages from any payment otherwise due the Contractor.

Liquidated damages as provided do not include any sums to reimburse the City for extra costs which the City may become obligated to pay on other contracts which were delayed or extended because of the Contractor's failure to complete the Work within the Contract Time. Should the City incur additional costs because of delays or extensions to other contracts resulting from the Contractor's failure of timely performance, the Contractor agrees to pay these costs that the City incurs because of the Contractor's delay, and these payments are separate from and in addition to any liquidated damages.

The Contractor agrees that the City may use its own forces or hire other parties to obtain Substantial or Final Completion of the work if the time of completion has elapsed and the Contractor is not diligently pursuing completion. In addition to the Liquidated Damages provided for, the Contractor agrees to reimburse the City for all expenses thus incurred..

SC-7 Working Days and Hours: With the exception of changes noted below, the working days and hours shall be as stated in the General Contract Conditions or as mutually agreed upon in the preconstruction meeting:

- Work can be performed during nighttime or daylight hours, with constraints regarding traffic control and lane obstructions on Patterson Rd. as noted in SC-16.

SC-8 Permits: The following permits are required for the Project and will be obtained by the City at no cost to the Contractor:

U.S. Army Corps of Engineers 404 permit; The 404 permit is complete. No special actions are required of the Contractor.

Colorado Department of Public Health and Environment's Stormwater Management Permit. This permit will be provided to the Contractor by the start of construction and will govern construction practices associated with protecting stormwater quality. The Contractor must comply with all requirements of this permit. The work required to comply with the permit is identified on the Stormwater Management Plan sheets included in the construction drawings.

The following permits are required for the Project and shall be obtained and paid for by the Contractor, with the costs included in the total bid price for the Project:

Colorado Department of Public Health and Environment's Construction Dewatering Permit. For more information, contact the Colorado Department of Public Health and Environment: www.cdphe.state.co.us/wq/PermitsUnit/wqcdpmt.html. The point of contact for preparation and submittal of the dewatering permit is Ray Naelepa, (303) 692-3515. Approximately 7 to 10 days are required for processing of the permit application. The Contractor should begin preparing this permit application immediately upon notice of award.

SC-9 Insurance Limits: The minimum insurance limits for the Project are as stated in the General Contract Conditions.

SC-10 City Furnished Materials: There are no City-furnished materials for this project.

SC-11 Project Newsletters: The first newsletter for the Project will be prepared and distributed by the City. It will include general information about the Project including interruptions in utility services, street closures, parking restrictions, project schedule and the names and telephone numbers of the contacts for the City and Contractor. The City will prepare

and furnish to the Contractor a mailing list including the names and addresses of residents, businesses, property owners, City personnel and other affected interests. The first newsletter will be mailed approximately two weeks before the Contractor commences work.

The Contractor shall then prepare and mail a weekly newsletter beginning one week prior to the installation of 90”/96” pipe until the project is completed. For this project, the approximate number of newsletters to be printed and mailed by the Contractor is **2500**.

Newsletters shall be printed on the Contractor's letterhead. Each newsletter shall include the following information:

1. Description of work completed during the previous week
2. Description of work scheduled for the upcoming week
3. Information about any road closures, detours, parking restrictions and other activities that may cause delay or inconvenience to the neighborhood or the general public
4. Scheduled or planned interruption changes in any utility services, trash pickup, mail delivery or other services
5. Project schedule changes or other information that may be useful or of interest

A draft of each newsletter shall be given to the Project Engineer for review **at least two days before the letter is to be mailed**. The Contractor shall make any corrections or additions to the final newsletter as requested by the Engineer.

SC-12 Project Sign: Project signs, if any, will be furnished and installed by the City.

SC-13 Authorized Representatives of the City: Those authorized to represent the City shall include engineers and inspectors employed by the City.

SC-14 Uranium Mill Tailings: It is anticipated that radioactive mill tailings will not be encountered on this Project.

SC-15 Fugitive Petroleum or Other Contamination: It is anticipated that soil contamination from fugitive petroleum or other contaminants will not be encountered with the Project. If petroleum-contaminated soils are encountered during excavation at the C&F gas station or elsewhere, the suspect soil shall be placed in a winrow on a completed portion of the project formerly occupied by open ditch. Testing will be performed by the City. If results show the soil to be contaminant free, the Contractor shall dispose of the soil in the same manner as other spoil material. If the results show the soil to be contaminated but suitable for disposal at the Orchard Mesa Landfill, the Contractor shall load and haul the material to the landfill upon direction from the City. Cost for any second handling of the material will be negotiated and covered under the Force Account.

SC-16 Traffic Control: The Contractor shall provide and maintain traffic control in accordance with the approved Traffic Control Plan and the *Manual on Uniform Traffic Control Devices*. The following guidelines and limitations shall apply to the traffic control:

- During the hours of 7 a.m. to 7p.m., the contractor shall be allowed the use of the outside eastbound lane of Patterson Rd. for construction staging for a length of 700 ft adjacent to the work area. A maximum of two such areas may be occupied at one time, provided their nearest ends are at least 750 feet apart. During the hours of 7 p.m. to 7 a.m., the Contractor shall be allowed the use of the two eastbound lanes of Patterson Rd. for construction staging. During such lane occupations, the center turn lane shall be used for an eastbound through lane. At all times when the center turn lane is used for an eastbound through lane, the entire traffic control zone shall be signed and controlled to eliminate and prevent left turns from Patterson Rd. within the construction area.
- During work in which the 700-foot traffic control zones adjacent to the pipe installation activities intersect or are adjacent to the median structures near the Pyramid Printing Building and immediately west of 25 ½ Rd., the Contractor shall be permitted to use the outside eastbound lane for staging and shall also be permitted to restrict eastbound traffic to a single lane, occupying the inside eastbound lane. Once such traffic shift is in place, the Contractor shall diligently execute the work in the most expedient and workmanlike manner so as to minimize the duration of the single-lane eastbound traffic restriction.
- During the crossing of 25 Rd., 25 Rd. may be closed for 10 consecutive calendar days for work performed under this contract. During the 25 Rd. Closure, customer access to the C&F convenience store shall be maintained from both Patterson Rd. and 25 Rd. The 25 Rd. entrance shall be signed for “No Thru Traffic.” Customer access to Comet Cleaners at 25 Rd. and Patterson shall also be preserved from both the Patterson and 25 Rd. entrances.
- During construction of the improvements at Barnes and Noble and Schlotzky’s, inbound traffic access via the Patterson Rd. drive shall be maintained during the hours of 8 a.m. to 8 p.m. Any and all night work required to complete the improvements in the Barnes and Noble/Schlotsky’s area shall be incidental to the Project. “Schlotsky’s” signs will be provided to the contractor to place in the Barnes and Noble parking lot to route customers around the work zone to the Schlotsky’s restaurant. “Exit” signs will also be provided to route customers out of the Schlotsky’s parking lot via the U.S. Tech access and the 24 ½ Rd. access. At the Schlotsky’s Restaurant, the Temporary Construction Easement extends to the east side of western parking median. However, the TCE can not be occupied during the hours of 10 a.m to 8 p.m., without written permission from the Schlotsky’s owner. During the hours of 10 a.m. to 8 p.m., the Contractor shall ensure that access is open for customers to reach the Schlotsky’s parking spaces from the Barnes and Noble parking lot, and that egress is available to 24 ½ Rd. and the U.S. Tech access.
- During any and all road closures, detour signs and “Road Closed Ahead” signs for all directions of traffic shall be placed to route traffic to the restricted side of the closure and to notify drivers in advance of the closure. Based on traffic observations, the project engineer may provide “Named Business” signs to the Contractor to aid motorists in accessing highly-impacted businesses. The Contractor shall provide

stands for these signs and place them at designated locations. Costs shall be incidental to the Traffic Control pay item.

SC-17 Schedule of Submittals: The Contractor shall submit for review by the Engineer a Schedule of Submittals based on the submittal requirements of the various elements of work included in the Project. The submittal schedule shall be submitted for review within one week of the start of construction. The schedule of submittals is presented in the following Table:

Submittal Types: Shop Drawing (SD), Material Certification (MC), Mix Design (MD), Test Results (TR), Permit (P)

Description	Submittal Type	Date Received	Date Returned	Date Resubmitted	Date Accepted
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STREET CONSTRUCTION

Hot Mix Asphalt	MD				
Asphalt Cement	MC				
Aggregate Base Course: Gradation, Proctor Curve	TR				
Sub-base Course: Gradation, Proctor Curve	TR				
Concrete	MD, TR				
Geotextile	MC				
Geogrid	MC				
Reinforcing Steel	SD, MC				

UTILITY CONSTRUCTION

Pipe –Type: Plastic	MC				
Pipe – Type: Steel	MC, ASTM TR				
Pipe – Type: Concrete	MC,MD,ASTM TR				
Pipe Bedding & Haunch Mat'l, Type A, Gradation	TR				
Trench-Bottom Granular Stabilization (Type B) Gradation	TR				
Pipe Backfill Gradation, Proctor curve, plasticity index (PI)	TR				

Manhole	SD				
Manhole Ring and cover	MC				
Inlet Riser	SD				
Grate & frame - _____	MC				
Pipe to manhole/main/inlet connection/Tees	SD				

EROSION CONTROL / STORMWATER MANAGEMENT

Stormwater Discharge Permit Transfer	Permit Transfer Form				
Inlet protection	MC				
Silt fence	MC				
Stabilized Construction Entrance	SD				
Concrete Washout Facility	SD				

WATER LINE CONSTRUCTION

Pipe	MC				
Valves -	MC				
Valve box	MC				
Fitting	MC				
Tracing wire & splices	MC				
Backfill gradation, Proctor curve, plasticity index (PI)	TR				

SEWER LINE CONSTRUCTION

Pipe	MC				
Fittings	MC				
Manhole	MC				
Ring and cover	MC				
Backfill gradation, Proctor curve, plasticity index (PI)	TR				

IRRIGATION CONSTRUCTION

Pipe	MC				
Fittings	MC				
Structure:	SD				

Sprinkler system components	MC				
Backfill gradation, Proctor curve, plasticity index (PI)	TR				

PERMITS, PLANS, OTHER

Traffic Control Plan	Plan				
Dewatering Permit	P				

SC-18 Utility Relocations by Others: The contractor shall ensure that Xcel Energy, Ute Water, Qwest, and Bresnan remain informed at all times of progress on work, especially as pipe-installation approaches known utility crossings. Seven days notice shall be provided to each utility prior to excavation at a known utility crossing. The contractor is responsible for protecting all utilities and cooperating with personnel from the utility companies when a utility crossing requires a permanent or temporary relocation of the crossed utility. Utility poles near excavations will be stabilized/held by Xcel Energy, provided the Contractor adheres to the 7-day advance notice requirement. Additionally, the Contractor shall maintain expedient execution of the work, such that any pole held by Xcel does not need to be held longer than 2 days. The exception to this rule is the power pole(s) near the southwest corner of 25 Rd. and Patterson Rd. Poles in this area may need to be held longer, due to the more complicated nature of pipe installation in close proximity to multiple utilities.

The Contractor is notified that utilities encountered at 25 Rd. include:

- Multiple large bundled phone lines and fiber optic line (Qwest) beneath west sidewalk;
- 8” waterline in southbound lane: to be lowered by Ute: Provide one month’s advance notice prior to initiating storm sewer installation;
- 8” waterline in eastern portion of southbound lane. This line is cut and capped just south of the trench bit is still LIVE! Contractor shall notify Ute one month in advance of storm sewer installation and Ute will cut and cap the line north of the trench, allowing the conflicting section of pipe to be removed during storm sewer installation.
- 10” high pressure gas line in western portion of northbound lane. Xcel energy will install a temporary bypass in the same location at ground level, allowing placement of pipe beneath the bypass. Xcel will then install permanent line immediately above the storm sewer after storm sewer installation as passed the gas line location. Provide one month advance notice to Xcel prior to initiating storm sewer installation.
- 4” P.E. gas line just east of the 10” HP gas line. Xcel will install temporary bypass at ground level for underpassing with storm sewer, followed by resetting of line immediately above storm sewer.
- Traffic signal control, power, and detection loops running east-west across 25 Rd. immediately south of Patterson Rd. Contractor shall provide 2 week’s notice to City Traffic Supervisor (Rick Ripley). City crews will install overhead lines

between southern traffic signal poles and will deactivate below-ground lines prior to trenching operations. Below-ground lines shall then be removed by the contractor during trenching (incidental). Prior to excavation at the location of these lines, the Contractor shall ensure that City Crews have disconnected the lines from the Control Vaults! **Overhead lines will remain in place during storm sewer installation! Pipe offloading and handling will be impacted by these lines!**

SC-19 **Construction Limits:** Construction Limit Lines are shown on the Construction Drawings for utility work in the project area. These construction limit lines show the maximum limits for removal of surface features such as asphalt, concrete, and landscaping. The Contractor shall be prepared to encounter soft, unstable materials when excavating for utility installation and structures and shall use means and methods to stabilize the trench excavation such that benching of the trench is not required. Payment will not be made for surface restoration beyond the limits defined by the construction Limit lines shown in the Construction Drawings. Additionally, because of the proximity to Patterson Rd., other utilities, and private property, wider excavations than those shown in the construction details and/or permitted by the construction limits shall not be permitted, even if the Contractor sought to cover the cost of additional surface restoration at it's own expense. Additionally, the contractor shall protect surface features such as curb and gutter, such that equipment traffic from Patterson Rd. to the excavation area does not damage surface features outside the construction limit lines. Protection methods may consist of such temporary features as road-base ramps and cover to protect concrete curbs, sidewalks, etc. from equipment traffic, tracks, etc.

To prevent destroying all of the curb and gutter along the project, and the attendant road damage that would follow, the Contractor shall limit the number of ingress and egress locations to/from the open ditch area. One ingress and one egress are permitted per 500 ft of project alignment.

SC-20 **Disposal of Excess or Unsuitable Excavated Material:** Excess or unsuitable excavated material will be disposed of by the Contractor at a suitable site procured by the contractor. The cost of such disposal, including hauling, shall be incidental to the Imported Backfill pay item.

SC-21 **Weekly Meetings:** The Contractor shall conduct weekly meetings on-site. The meetings shall be attended by the Contractor's Project Manager and Site Supervisor (unless approved otherwise by the Project Engineer) and the Project Engineer and Inspector.

SC-22 **Construction Dewatering and Bypass Pumping:** The Contractor shall anticipate the need to dewater excavations and work areas during construction and shall perform such dewatering as an incidental expense to the work. As noted previously, a dewatering permit shall be obtained by the Contractor at the Contractor's expense prior to dewatering activities. Pay Items 269A and 269B provide for bypass pumping of winter flows in Ranchmen's Ditch and the Beehive Drain, respectively. The location for the Ranchmen's bypass is just east of the intersection of 7th St. and Horizon Drive. The location for the Beehive bypass is approximately ¼ mile east of the intersection of 25 ½

Rd. and F ½ Rd. Flows at the Ranchmen's bypass pumping location are anticipated to be approximately 1.5 cfs. Pump capacity up to 5 cfs is mandatory at the Ranchmen's bypass pumping location so as to provide capacity for moderate storm flows. Flow at the Beehive location are anticipated to be 0.8 to 1.2 cfs. Pump capacity of 2 cfs is mandatory at the Beehive location. Construction in the project area shall be staged and protected such that flows that exceed the capacity of the pump, if they occur, do not damage work in progress or already installed. The Contractor shall be responsible for the repair and replacement of any work or appurtenances damaged by staging that fails to protect work in progress.

Additional baseflows will be generated between the bypass pumping locations and the work area. The amount of this incremental baseflow is not known. Past flow measurements in the work area and at the bypass pumping location have not revealed a measureable difference in flow, but these open-channel flow measurements were subject to appreciable margins of error. Handling baseflow that is present in the work area shall be treated as an incidental dewatering work element. The contractor is responsible for developing a solution to this dewatering need. Options that may be considered include construction of a check dam to store water, with intermittent release of the water down the channel at appropriate intervals during the work, or check damming the water and pumping it around the work zone to be discharged into installed and/or existing downstream storm sewer.

- SC-23 Payment for Damage to Private Property Beyond Easement Limits: Easement limits and Rights of Way lines are indicated on the Construction Drawings. As noted previously, damage to semi-permanent features (such as pavement, concrete, trees and shrubs, fences, etc.) outside of the **Construction Limit lines** shall be the responsibility of the Contractor. Damage to "soft-improvements" such as sod or irrigation components shall be payable item so long as such damage is within the easement or Rights of Way. Any and all costs associated with repair of damages outside the easements and Rights of Way shall be the responsibility of the Contractor.

All easement and rights-of-way lines defining the demarcation between allowed work areas and private property not accessible to the Contractor shall be surveyed and marked with flags/stakes to clearly delimit the limits of work zone.

- SC-24 City Crew Installation of 2 inches Electrical Conduit: To accommodate future communications systems installation, City personnel will install 2 inches Schedule 40 electrical conduit with tracer wire in the trench excavated by the Contractor for installation of storm sewer pipe. The City personnel will install the conduit after the storm sewer has been installed and after the pipe has been partially backfilled. The City-installed conduit will generally be installed at a depth of two to three feet below finished grade. The Contractor shall provide access to the work area and coordinate operations and backfilling activities with the City personnel to facilitate the installation of the electrical conduit and to prevent damaging the conduit after it has been installed. Any costs associated with this coordination/facilitation shall be incidental to the project.

SC-25 Geotechnical Report: The Geotechnical Report contained in Appendix A of the Bid Documents booklet for this project is provided to bidders for informational purposes. Recommendations contained therein have been incorporated into the design and specifications for this project. Where statements in the Geotechnical Report differ from information provided elsewhere in the Bid Documents (Construction Drawings, Special Conditions, or Special Provisions), the Construction Drawings, Special Conditions, or Special Provisions shall be adhered to.

SC-26 Quality Control: The Contractor shall as-built survey (x,y,z-flowline) each pipe joint from the east side of the 25 ½ Rd. junction box to the east right-of-way line on 25 ½ Rd. The Contractor shall as-built survey the storm sewer at 100-foot intervals, documenting the x,y,z coordinates of the storm sewer invert and comparing them to the design coordinates. Tolerances are as follows:

- +/- 0.5 inches for invert of pipe
- +/- 0.004% w/ no slope reversal for slope of pipe
- +/- 0.3' for center of pipe

Departure from these specifications will require removal and resetting of the work.

SC-27 Discrepancy Between Bid Schedule and Construction Notes: In the event of a discrepancy between Pay Item description in the Bid Schedule and the description for the same Pay Item in the drawings/construction notes, the language in the Bid Schedule shall govern or supersede that found elsewhere.

SC-28 Stabilization of Signal Poles at 25 Rd. and Patterson Rd.: During the installation of storm sewer across 25 Rd., the Contractor will encounter concrete forming the subsurface base of the traffic signal pole installations on the south side of Patterson. The portions of the bases for the two signal poles extending into the trench shall be removed without damage to the pole or remainder of the base as per Pay Item 284C. During this removal and subsequent pipe installation (including construction of the concrete thrust collars, Pay Item 284), the City shall arrange for the poles to be held above ground by Xcel Energy. Installation of the thrust collars, backfilling of the trench, and injection grouting (for the southwest pole), shall be done as soon as soon as practicable. A maximum of 5 calendar days are allowed from the start of the removal of existing concrete base material, to the completion of the thrust collar and backfilling.

During work adjacent to the southeast pole, the City will remove the mast arm and install a temporary cable suspension for the signal heads, to reduce the moment arm acting to turn the pole base into the trench. The Contractor shall provide 14-days advance notice

prior to the start of this work, to the City Traffic Supervisor, Rick Ripley, at 970-270-3089.

SC-29 High Pressure Gas Line, 25 Rd.: An Xcel Energy high pressure gas line (10" DIA.) runs north-south in the northbound lane of 25 Rd. This line is currently in conflict with the vertical position of the 90" storm sewers. Xcel Energy will install a temporary line at the trench location. The temporary line will be vertically located at ground level. The Contractor shall install the 90" storm sewers beneath this temporary line while it is active. The Contractor shall position the trench box such that it can be passed/placed beneath the line, or the Contractor shall shore the trench separately from both sides of the line. The Contractor shall adhere to all OSHA safety standards during this work. Cost of shoring at this location is incidental to the project.