



Special Provisions

600 E & 500 N WATER & SEWER LINE REPLACEMENT

INDEX

1. DEFINITIONS	4
CITY	4
CONTRACTOR	4
SUB-CONTRACTOR	4
CITY STANDARDS	4
BONDS AND DOCUMENTATION	4
START OF WORK AND COMPLETION DATE	4
2. MOBILIZATION (Item 1)	4
MOBILIZATION	4
DEMOLITION/ CLEARING & GRUBBING	5
EXCAVATION	5
PAYMENT	5
3. TRAFFIC CONTROL (Item 2)	5
4. 8" C-900 WATERLINE w/ TRENCH PATCH (Item 3)	9
EXCAVATION	9
BACKFILL AND COMPACTION	9
ENGINEERING FILL AND BEDDING MATERIAL	10
T-PATCH	10
PAYMENT	10
5. 12" C-900 WATERLINE w/ TRENCH PATCH (Item 4)	10
EXCAVATION	10
BACKFILL AND COMPACTION	10
ENGINEERING FILL AND BEDDING MATERIAL	10
T-PATCH	11
PAYMENT	11
6. 8" WATER VALVE (GATE) (Item 5)	11
PAYMENT	11
7. 12" WATER VALVE (BUTTERFLY) (Item 6)	11
PAYMENT	11
8. REMOVE EXISTING WATER VALVE / VALVE BOX (Item 7)	11

PAYMENT	12
9. 1" WATER SERVICE IN VAULT WITH TRAFFIC RATED LID (W-214, W-215, W-218)	
(Items 8, 9 & 10)	12
MATERIALS	12
METERS	12
EXCAVATION	12
ENGINEERED FILL AND BEDDING MATERIAL	12
BACKFILL AND COMPACTION	13
PAYMENT	13
10. FIRE HYDRANT ASSEMBLY (Item 11)	13
EXCAVATION	13
MECHANICAL RESTRAINTS AND CONCRETE THRUST BLOCKS	13
ENGINEERING FILL AND BEDDING MATERIAL	13
BACKFILL AND COMPACTION	14
INSPECTION	14
PAYMENT	14
11. CONNECT TO EXISTING FIRE HYDRANT (Item 12)	14
EXCAVATION	14
MECHANICAL RESTRAINTS AND CONCRETE THRUST BLOCKS	14
ENGINEERED FILL AND BEDDING MATERIAL	14
BACKFILL AND COMPACTION	15
INSPECTION	15
PAYMENT	15
12. 8" SANITARY SEWER MAIN w/ TRENCH PATCH (Item 13)	15
EXCAVATION	15
BACKFILL AND COMPACTION	16
ENGINEERED FILL AND BEDDING MATERIAL	16
T-PATCH	16
EXISTING SANITARY SEWER MAIN	16
INSPECTIONS	16
APPURTENANCES	16
PAYMENT	16
13. SEWER LATERAL CONNECTION (Item 14)	16
EXCAVATION	17
BACKFILL AND COMPACTION	17
ENGINEERING FILL AND BEDDING MATERIAL	17
T-PATCH	17
EXISTING SANITARY SEWER MAIN	17
INSPECTIONS	17
APPURTENANCES	18
PAYMENT	18
14. SWPPP	18
STORMWATER POLLUTION PREVENTION PLAN (SWPPP)	18

PAYMENT	18
15. CONSTRUCTION CONTINGENCY	18
16. COMPLETION INCENTIVE	19
17. CONSTRUCTION SCHEDULE, AND TRAFFIC CONTROL	19
WORK HOURS	19
RESIDENTIAL ACCESS	19
18. PLANS	19
19. SURVEY	19
20. PAYMENT	19
21. PAYMENT REQUESTS	19
22. RETAINED PAYMENT	20
23. FINAL INSPECTION	20
24. CHANGE ORDERS OR CONTINGENCY REQUEST	20
25. LINE ITEMS	20
26. WORK ZONE	20
27. PRE-CONSTRUCTION MEETING	20
28. SPANISH FORK CITY STANDARDS	21
29. PRE-CONSTRUCTION VIDEO	21
30. RESTORATION OF SURFACE IMPROVEMENTS	21
EXISTING CONDITIONS	21
LANDSCAPING	21
PAVEMENT SECTIONS	21
ASPHALT RESTORATION	21
GRAVEL SHOULDERS	21
CONCRETE	21
PAYMENT	22
31. EXISTING GAS, ELECTRICAL, AND COMMUNICATION LINES	22
32. INSPECTION AND TESTING	22
DENSITY TESTING	22
CONCRETE TESTING	22
NOTIFICATION	22
33. WATER SHUT-OFFS	23
34. PERSONAL PROTECTIVE EQUIPMENT (PPE)	23
35. PRE-BID MEETING	23
36. BID OPENING	23

1. DEFINITIONS

CITY

The City of Spanish Fork.

CONTRACTOR

The Contractor shall be the company, with appropriate state licenses, contracted with by the City, by the competitive bid process to construct this project. Contractor is to read and understand the Special Conditions, plan drawings, and City Standards.

SUB-CONTRACTOR

A person or company hired by the Contractor to perform construction for the City, having appropriate state licenses to perform said work.

Sub-contractor shall provide the contractor with proof of receipt for e-verification, and submit it to the City.

CITY STANDARDS

The Spanish Fork City, most recent Construction Standards, approved by the Spanish Fork City Council.

BONDS AND DOCUMENTATION

All required documentation is due by the bid opening. Bids submitted incomplete may be rejected. A 5% Bid bond and payment and performance bonds shall be required as part of this project. A cashier's check may be submitted to the City in lieu of a bid bond.

START OF WORK AND COMPLETION DATE

Work may be started as soon as Notice to Proceed is issued by the City. This project shall be substantially completed by Thursday, October 10, 2024.

2. MOBILIZATION (Item 1)

MOBILIZATION

Includes mobilizing all necessary equipment, to do the work, all labor, materials and equipment to set up temporary offices, facilities, signs and utilities, all premiums on bonds and insurance and the removal of all equipment and temporary facilities, and provide Project Management and Supervision. Also includes modifying and maintaining project sponsorship signs, and all necessary permits from Spanish Fork City, and bringing all necessary construction equipment to the site, and utility coordination. Includes all needed coordination with the public and affected property owners, including construction updates, utility outage notifications, responding to public questions and concerns, and coordinating with City staff.

DEMOLITION/ CLEARING & GRUBBING

The site demolition and site clearing shall be included in the demolition line item. Work includes the removal and disposal of asphalt, road base, pipe removal and disposal, concrete, subgrade material to finish subgrade, debris removal, earthwork, and any other item that is otherwise affected by the demolition for the project. Demolition also includes all necessary asphalt and concrete saw cutting, removal and disposal. See City Standards, Plans, detailed drawings, and any other document that is relevant to the demolition/ clearing and grubbing line item.

EXCAVATION

These items shall include the removal and disposal of any existing material, including but not limited to: asphalt, concrete, cross-gutter, boxes, soil, and sub-grade material required to construct the curb, gutter, and sidewalk, sewer main, water main, storm drain, and full road reconstruct according to the plans, detail drawings, and City standards.

PAYMENT

Payment shall be on a lump sum contract unit price basis and paid based on the prorated percentage of work completed at the time the pay estimate is prepared.

3. TRAFFIC CONTROL (Item 2)

ROAD CLOSURE REQUIREMENTS

For all road, sidewalk and trail closures, if applicable, contractors must submit a road closure plan as part of their excavation permit application. The City will create a communication plan that shall be implemented for road closures.

COMMUNICATION PLAN

Date and time closure begins and ends.

Contractor shall provide a list of contacts including affected property owners and the following. Contractor will notify them of all closures, including start and end date of road closure. The list shall include, at minimum, the following entities/people.

Entity	Contact Name	Email/Phone Number
Nebo School District Transportation Office	Adam Heaton - Transportation Supervisor	801-465-5331 adam.heaton@nebo.edu
Fleet & Garbage Services Division Manager	Gatlin Gardner	ggardner@spanishfork.org
Garbage & Recycling Collection Contractor	Reece Demille - Republic Services	rdemille@republicservices.com
Police	Jill Thorpe	jthorpe@spanishfork.org
Police	Lydia James	ljames@spanishfork.org

Fire & EMS	Eddie Hales	ehales@spanishfork.org
Fire & EMS	Krista Horting	khorting@spanishfork.org
Public Works Secretary	Marlo Smith	msmith@spanishfork.org
Administrative Intern	Addy Gillies	agillies@spanishfork.org
Engineering Secretary	Kim Coughlan	kcoughlan@spanishfork.org
Public Works Director	Chris Thompson	cthompson@spanishfork.org
Public Information Officer	Nick Porter	nporter@spanishfork.org
City Manager	Seth Perrins	sperrins@spanishfork.org
County Dispatch	Noreen Stone	nstone@cu911.org
UTA Dispatch		(801) 287-4650*

*For road closure notifications.

Engineering secretary or public involvement consultant shall send notice of closure with the approved traffic control plan to affected property owners within 500 feet of the closure or as defined in the traffic control plan. Notices shall be sent 5 days and again at 48 hours before closure unless otherwise approved in the traffic control plan. The traffic control plan shall include begin and end of closure dates. Notices may be in the form of a door hanger, phone call and/or email.

Road closure fees permits shall be set by resolution or in the annual city budget.

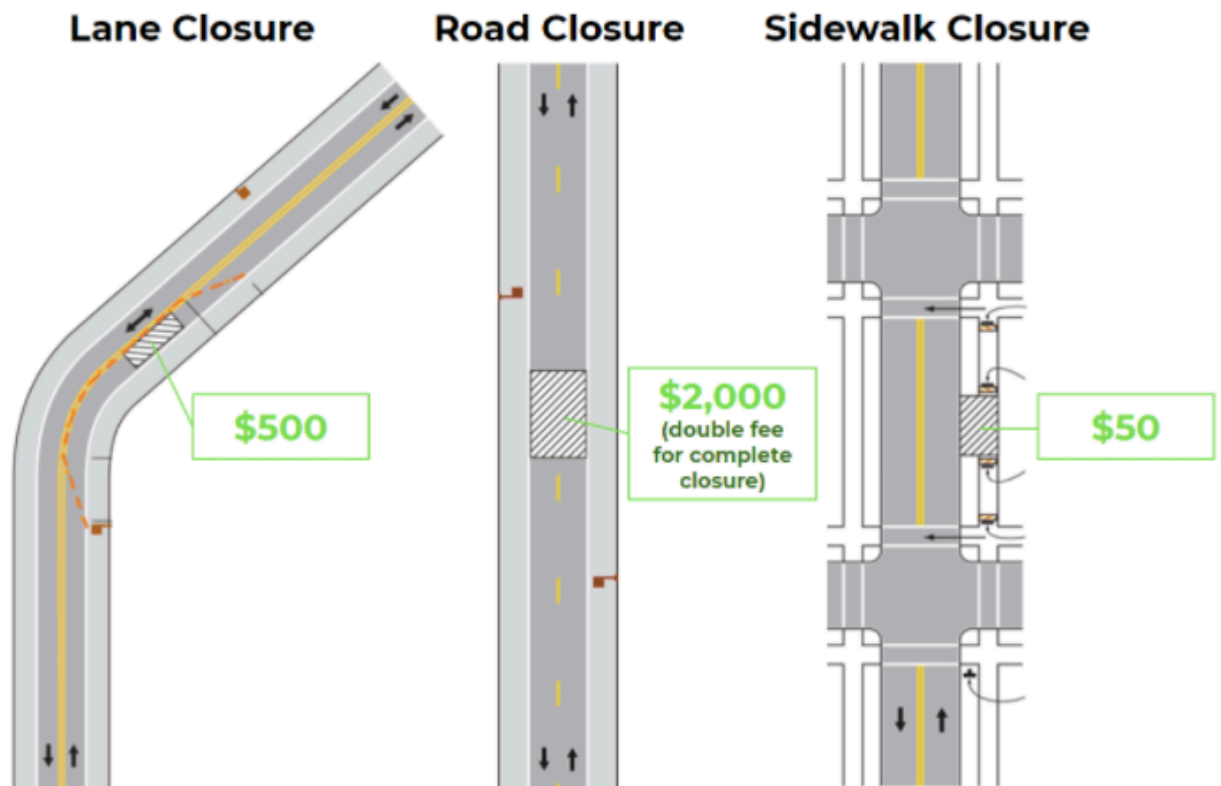
Street Type	Rate (per lane/1,000 feet (rounding up to nearest thousand)/day)
Sidewalk/Bike Lane/Trail	\$50
Local	\$100
Collector/Arterial ~ 500 to 4,500 ADT	\$250
Collector/Arterial ~ 4,500 to 15,000 ADT	\$500
Collector/Arterial ~ 15,000 to 32,000 ADT	\$1,000

If road closure exceeds the time frame and/or constraints that the Contractor was approved and paid for, the excavation permit is revoked and all associated work will be stopped until a new permit is approved and fees paid. The Contractor can extend their road closure time frame if a new plan is approved and appropriate fees are paid.

In addition to the fees summarized above, hard road closure will be billed on a per week basis and double what the normal fee would be. Full and half fees are charged according to the number of usable lanes.

Full Fee. Charged in situations with high impact on surrounding traffic conditions. Applicable for full lane closure of one lane, full road closure (detour provided), and sidewalk closure for pedestrians.

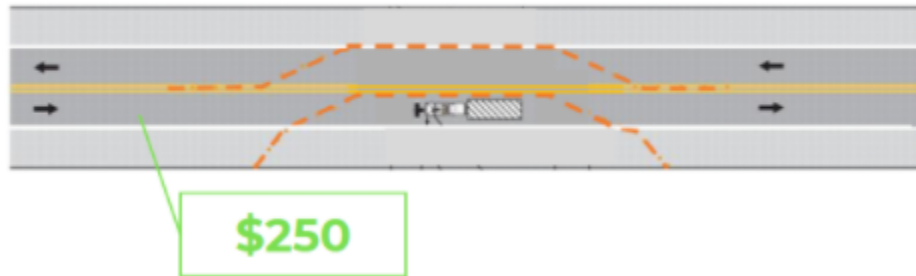
Lane and road closure daily fee examples below assume 1,000 feet of an arterial street. Sidewalk closure daily fee example assumes 1,000 feet of sidewalk.



Half Fee. Charged in situations with moderate impact on surrounding traffic conditions. Applicable when the same number of lanes are available during road work that are present normally (i.e. lane shift).

Half fee daily fee example below shows a lane shift and assumes an arterial street type

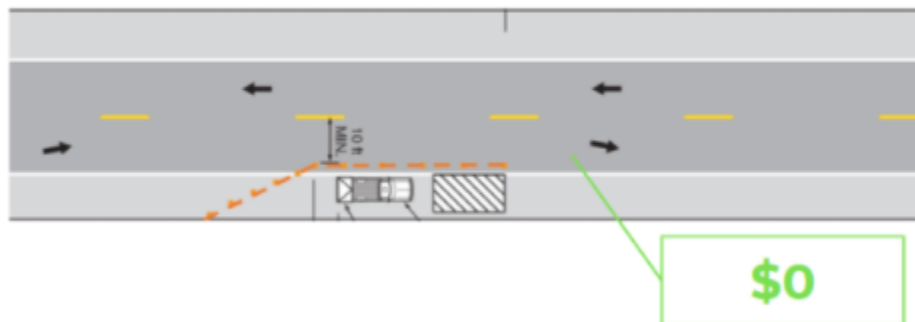
Lane Shift



No Fee. Charged in situations with no impact on surrounding traffic conditions. The work area can only extend until the nearest travel lane reaches a 10 ft minimum lane width.

No fee example applies to any street type

Shoulder Work with Minor Encroachment



ROAD CLOSURES

Road closures will be allowed only during working hours and pre-approved by the City. Streets must remain passable at all times, with an all-weather surface. As this is an occupied area, the access to the businesses must be a primary concern. Proper signage, consistent with the MUTCD, will be required throughout the project. One business day notice will be required for all road closures. Those who should be notified are 1) Spanish Fork Police, Fire, and Ambulance; 2) Spanish Fork City; and 3) affected residents.

HOUSE ACCESS

Access shall be maintained to all homes during construction. Access plans shall be coordinated with the homeowners and the City. Closures to driveways for paving may be in place for no longer than two and a half hours. The City and affected homeowners shall be notified of such closures a minimum of 24 hours in advance.

TRAFFIC CONTROL PLAN

A construction schedule and traffic control plan for the construction shall be submitted to and approved by the City. All traffic control plans must be stamped by a professional engineer.

TRAFFIC CONTROL

All traffic control shall meet the requirements of the Utah Chapter of the APWA Traffic Control Manual and the MUTCD. Reasonable access shall be maintained to all residences.

BACKUP ALARMS

Flashing light type backup alarms shall be used after dark.

PAYMENT

Payment shall be on a contract unit price basis and will be made per percentage of the overall project that is completed.

WATER

4. 8" C-900 WATERLINE w/ TRENCH PATCH (Item 3)

Includes all work and materials incidental to the work of installing the 8" C-900 WATERLINE w/ TRENCH PATCH including; labor, materials, fittings, couplings, reducers, tees, elbows, crosses Megalug joint restraints or approved equivalent, saw cutting, excavation, concrete, imported pipe bedding, 3" HMA (PG 62-22) T-patch or match existing HMA depth and 8" road base, groundwater pumping, pipe, thrust restraints, connections, reconnecting to existing waterlines, bends, trench plates, cutting, pressure testing, disinfection, clean up, disposal of excess materials, any other utility or striping restoration, and the restoration of any other existing improvements not heretofore noted that have been adversely impacted, damaged, destroyed, or made inoperable by and incidental to the 8" C-900 WATERLINE.

EXCAVATION

These items include the removal and disposal of all existing material required to cut pavement and excavate trenches. These items shall include potholing and locating existing structures and utilities as revealed by a bluestake. All pipes shall have a minimum of 6 inches of separation from structures or utilities. Contractor shall be responsible for planning the grade to provide this separation before laying the pipe. There will be no change orders for minor adjustments of a pipe's horizontal or vertical alignment. All excavation costs shall be included in the cost of the pipe.

BACKFILL AND COMPACTION

All backfill shall be compacted according to City standards. A minimum of 8 inches of untreated base course shall be installed under the pavement. Pavement shall be installed according to City standards.

ENGINEERING FILL AND BEDDING MATERIAL

All engineered fill and bedding material shall be placed according to City standards. Course sand shall be placed and compacted around the pipe zone with a minimum cover of 1 foot over the pipe. This item shall include all equipment and labor required to excavate and dispose of all existing material necessary to construct the project according to the plans, specifications and City Standards.

T-PATCH

After all work has been completed on the waterline and before the trench is paved; the contractor shall be responsible to saw cut a minimum of one foot beyond the pipe trench. See detailed drawings.

PAYMENT

Payment shall be on a contract unit price basis.

5. 12" C-900 WATERLINE w/ TRENCH PATCH (Item 4)

Includes all work and materials incidental to the work of installing the 12" C-900 WATERLINE w/ TRENCH PATCH including; labor, materials, fittings, couplings, reducers, tees, elbows, crosses, Megalug joint restraints or approved equivalent, saw cutting, excavation, concrete, imported pipe bedding, 3" HMA (PG 62-22) T-patch or match existing HMA depth and 8" road base, groundwater pumping, pipe, thrust restraints, connections, reconnecting to existing waterlines, bends, trench plates, cutting, pressure testing, disinfection, clean up, disposal of excess materials, any other utility or striping restoration, and the restoration of any other existing improvements not heretofore noted that have been adversely impacted, damaged, destroyed, or made inoperable by and incidental to the 12" C-900 WATERLINE.

EXCAVATION

These items include the removal and disposal of all existing material required to cut pavement and excavate trenches. These items shall include potholing and locating existing structures and utilities as revealed by a bluestake. All pipes shall have a minimum of 6 inches of separation from structures or utilities. Contractor shall be responsible for planning the grade to provide this separation before laying the pipe. There will be no change orders for minor adjustments of a pipe's horizontal or vertical alignment. All excavation costs shall be included in the cost of the pipe.

BACKFILL AND COMPACTION

All backfill shall be compacted according to City standards. A minimum of 8 inches of untreated base course shall be installed under the pavement. Pavement shall be installed according to City standards.

ENGINEERING FILL AND BEDDING MATERIAL

All engineered fill and bedding material shall be placed according to City standards. Course sand shall be placed and compacted around the pipe zone with a minimum cover of 1 foot over the pipe. This item shall include all equipment and labor required to excavate and dispose of all existing material necessary to construct the project

according to the plans, specifications and City Standards.

T-PATCH

After all work has been completed on the waterline and before the trench is paved; the contractor shall be responsible to saw cut a minimum of one foot beyond the pipe trench. See detailed drawings.

PAYMENT

Payment shall be on a contract unit price basis.

6. 8" WATER VALVE (GATE) (Item 5)

Includes all work and materials incidental to the work including parts, valve boxes, lids, connections, labor, excavation, concrete, cutting, wrapping, and any other items necessary to install the 8" WATER VALVE according to City Standards and plans. Any existing valve that is taken out of service for this project shall be required to be removed, abandoned, and disposed of. The contractor shall be responsible for asphalt patch over any valve that is abandoned. All fittings are to be greased, poly-wrapped, and taped to protect against corrosion. Concrete collars shall be required on the 8" gate valves.

PAYMENT

Payment shall be on a contract unit price basis.

7. 12" WATER VALVE (BUTTERFLY) (Item 6)

Includes all work and materials incidental to the work including parts, valve boxes, lids, connections, labor, excavation, concrete, cutting, wrapping, and any other items necessary to install the 12" BUTTERFLY VALVE according to City Standards and plans. Any existing valve that is taken out of service for this project shall be required to be removed, abandoned, and disposed of. The contractor shall be responsible for asphalt patch over any valve that is abandoned. All fittings are to be greased, poly-wrapped, and taped to protect against corrosion. Concrete collars shall be required on the 12" gate valves.

PAYMENT

Payment shall be on a contract unit price basis.

8. REMOVE EXISTING WATER VALVE / VALVE BOX (Item 7)

Includes all work and materials incidental to the work including parts, connections, labor, excavation, concrete, cutting, wrapping, and any other items necessary to remove the Existing WATER VALVE and EXISTING VALVE BOXES according to City Standards and plans. Any existing valve or valve box that is slated to be removed for this project shall be required to be removed, abandoned, and disposed of. The contractor shall be responsible for asphalt patch over any valve that is abandoned. Contractor must plug existing lines with MJ caps after the valve is removed

PAYMENT

Payment shall be on a contract unit price basis.

9. 1" WATER SERVICE IN VAULT WITH TRAFFIC RATED LID (W-214, W-215, W-218) (Items 8, 9 & 10)

Includes all work and materials incidental to the work of installing the 1" WATER SERVICE IN VAULT WITH TRAFFIC RATED LID including labor, materials, setter, water can, connections, asphalt milling, saw cutting, a minimum of 10 linear feet of sidewalk curb & gutter restoration, 5" of concrete driveway restoration, landscape and sprinkler restoration, fence restoration, asphalt removal and disposal, concrete removal and disposal, old meter/box removal and disposal (as applicable), excavation, imported course sand pipe bedding, imported engineer fill, groundwater pumping, cross gutter restoration, asphalt and road base restoration, poly pipe or equivalent, connections, valves, fittings, cutting, pressure testing, disinfection, clean up, disposal of excess materials, any other utility restoration, and the restoration of any other existing improvements not heretofore noted that have been adversely impacted, damaged, destroyed, or made inoperable by and incidental to the 1" WATER SERVICE. Any and all water meters located in concrete shall be placed in a concrete vault and required to have a traffic rated lid or the meter shall be relocated to the planter strip or landscaped area. All existing meters removed shall be returned to the Spanish Fork Public Works Department and labeled with existing addresses.

MATERIALS

The existing Radio Read device shall be connected to the water meter and reprogrammed by the City. Any Radio Read device damaged shall be replaced at the Contractors expense.

METERS

These items shall include the installation of the meter for each service. Meters will be provided by the City.

EXCAVATION

The preferred method for installing the new service lines is by boring, jacking, directional drilling, pulling or by use of a missile. Open trenching for service lines will only be allowed if other means fail.

If open trenching is required then the following pertains: These items include the removal and disposal of all existing material required to cut pavement and excavate trenches. These items shall include potholing and locating existing structures and utilities as revealed by a bluestake. All pipes shall have a minimum of 6 inches of separation from structures or utilities. Contractor shall be responsible to plan the grade to provide this separation before laying pipe. There will be no change orders for minor adjustments of a pipe's horizontal or vertical alignment. All excavation costs shall be included in the cost of the pipe.

ENGINEERED FILL AND BEDDING MATERIAL

All engineered fill and bedding material shall be placed according to City standards.

Course sand shall be placed and compacted around the pipe zone with a minimum cover of 1 foot over the pipe. This item shall include all equipment and labor required to excavate and dispose of all existing material necessary to construct the project according to the plans, specifications and City standards.

BACKFILL AND COMPACTION

All backfill shall be compacted according to City standards. A minimum of 8 inches of untreated base course shall be installed under the pavement. Pavement shall be installed according to City standards.

PAYMENT

Payment shall be on a contract unit price basis.

10. FIRE HYDRANT ASSEMBLY (Item 11)

Includes all work and materials incidental to the work of installing a FIRE HYDRANT including the cost to install the new fire hydrant assembly according the City Standards and detailed drawings, labor, materials, joint restraints (Megalug joint restraint or approved equivalent), connection to the water main, removal, disposal, and replacement of 10 LF of sidewalk, asphalt cutting, concrete saw cutting, fittings, valves, bends, excavation, imported course sand pipe bedding, groundwater pumping, placing of imported backfill or engineered fill, cutting, pressure testing, disinfection, clean up, landscape restoration, sprinkler and sprinkler restoration, fence restoration, mailbox restoration, concrete apron, curb, gutter, and sidewalk restoration, any other utility restoration and the restoration of any other existing improvements not heretofore noted that have been adversely impacted, damaged, destroyed, or made inoperable by and incidental to the FIRE HYDRANT ASSEMBLY. All fittings are to be greased, poly-wrapped, and taped to protect against corrosion. Concrete collars shall be installed as part of this project.

EXCAVATION

These items include the removal and disposal of all existing material required to cut pavement and excavate trenches. These items shall include potholing and locating existing structures and utilities as revealed by a bluestake. All pipes shall have a minimum of 6 inches of separation from structures or utilities. Contractor shall be responsible to plan the grade to provide this separation before laying pipe. There will be no change orders for minor adjustments of a pipe's horizontal or vertical alignment. All excavation costs shall be included in the cost of the pipe.

MECHANICAL RESTRAINTS AND CONCRETE THRUST BLOCKS

Only mechanical restraints with concrete kickers shall be allowed on this project.

ENGINEERING FILL AND BEDDING MATERIAL

All engineered fill and bedding material shall be placed according to City standards. Course sand shall be placed and compacted around the pipe zone with a minimum cover of 1 foot over the pipe. This item shall include all equipment and labor required to excavate and dispose of all existing material necessary to construct the project according to the plans, specifications and City standards.

BACKFILL AND COMPACTION

All backfill shall be compacted according to City standards. A minimum of 8 inches of untreated base course shall be installed under the pavement. Pavement shall be installed according to City standards.

INSPECTION

All fittings, trenches, and restraints shall be inspected by the City before backfill.

PAYMENT

Payment shall be on a contract unit price basis

SEWER

11. 8" SANITARY SEWER MAIN w/ TRENCH PATCH (Item 12)

Includes all work and materials incidental to the work of installing 8" Sanitary Sewer Main w/ Trench Patch including labor, materials, equipment, tools, saw cutting, grading, testing, imported pipe bedding, backfill, groundwater pumping, pipe, 3" HMA (PG 64-22) 8" roadbase, connections, fittings, cutting, pressure testing, cleanup, trench plates, video inspection, disposal of excess and native material, any other utility or striping restoration, and the restoration of any other existing improvements not heretofore noted that have been adversely impacted, damaged, destroyed, or made inoperable by and incidental to the installation of the 8" SANITARY SEWER MAIN w/ TRENCH PATCH. This Item includes all bypass pumping and dewatering required to install pipe. During construction, Contractor is responsible for keeping the sewer system working at all times.

NOTE: No price adjustment shall be made for minor sanitary sewer main alignment and connection changes.

EXCAVATION

These items include the removal and disposal of all existing material required to cut pavement and excavate trenches. These items shall include potholing and locating existing structures and utilities as revealed by a bluestake. All pipes shall have a minimum of 6 inches of separation from structures or utilities and 10' from culinary water lines. Contractor shall be responsible to plan the grade to provide this separation before laying pipe. There will be no change orders for minor adjustments of a pipe's horizontal or vertical alignment. All excavation costs shall be included in the cost of the pipe.

BACKFILL AND COMPACTION

All backfill shall be compacted according to City standards. $\frac{3}{4}$ " rock shall be placed in the pipe zone. A minimum of 8 inches of untreated base course shall be installed under the pavement. Pavement shall be installed according to City standards.

ENGINEERED FILL AND BEDDING MATERIAL

This project will require 100% haul off and disposal of existing materials and replacing with engineered fill per City Standards. Spanish Fork will not provide a location for the disposed material. All engineered fill and bedding material shall be placed according to City standards. Because of the shallow ground water and unstable soils, it will be required to over excavate the trench and under the manhole by 24". This area will be filled with a 6" to 12" stabilization rock minus rock. ¾" rock shall be placed and compacted around the pipe zone with a minimum cover of 1 foot over the pipe. This item shall include all equipment and labor required to excavate and dispose of all existing material necessary to construct the project according to the plans, specifications and City Standards.

T-PATCH

After all work has been completed on the sanitary sewer main and before the trench is paved; the contractor shall be responsible to cut asphalt a minimum of one foot beyond the pipe trench. See detailed drawings.

EXISTING SANITARY SEWER MAIN

In no case will soil or groundwater be allowed into existing sanitary sewer.

INSPECTIONS

All connections to existing main lines must be inspected by the City before backfilled. It is expected that the existing sewer flow will not be interrupted, therefore bypass pumping of the sewer flow will be required from manhole to manhole. At no time will raw sewage be allowed to flow into the open trenches, drainage ditches or groundwater.

APPURTENANCES

All fittings and materials required to install the main line and sewer laterals for which there is not a bid item shall be included in the cost of this item. Sewer shall be pumped from manhole to manhole around main lines being installed. This must be accomplished without closing any driveways for longer than 2 ½ hours.

PAYMENT

Payment shall be on a contract unit price basis.

12. SEWER LATERAL CONNECTION (Item 13)

Includes all work and materials incidental to connecting the new 8" sewer main to the existing sanitary sewer laterals. Sewer lateral size shall match that found in the field. This item shall include all labor, equipment, 3" HMA (PG 62-22) 8" roadbase, tack oil, connections, fittings, cutting, materials, sprinkler restoration, surface restoration, and the restoration of any other existing improvements not heretofore noted that have been adversely impacted, damaged, destroyed, or made inoperable by and incidental to the SEWER LATERAL CONNECTION.

Note: Contractor shall verify that all existing laterals are connected to the new 8"

Sanitary Sewer Main.

Any and all 4" laterals shall be PVC at 2% minimum slope. If the existing slope is between 1% and 2% lateral shall be Acrylonitrile Butadiene Styrene (ABS).

EXCAVATION

These items include the removal and disposal of all existing material required to cut pavement and excavate trenches. These items shall include potholing and locating existing structures and utilities as revealed by a bluestake. All pipes shall have a minimum of 6 inches of separation from structures or utilities. Contractor shall be responsible to plan the grade to provide this separation before laying the pipe. There will be no change orders for minor adjustments of a pipe's horizontal or vertical alignment. All excavation costs shall be included in the cost of the pipe.

BACKFILL AND COMPACTION

All backfill shall be compacted according to City standards. A maximum size of $\frac{3}{4}$ " rock shall be placed in the pipe zone. A minimum of 8 inches of untreated base course shall be installed under the pavement. Pavement shall be installed according to City standards.

ENGINEERING FILL AND BEDDING MATERIAL

All engineered fill and bedding material shall be placed according to City standards. A maximum size of $\frac{3}{4}$ " rock shall be placed and compacted around the pipe zone with a minimum cover of 1 foot over the pipe. This item shall include all equipment and labor required to excavate and dispose of all existing material necessary to construct the project according to the plans, specifications and City Standards.

T-PATCH

After all work has been completed on the sanitary sewer main and before the trench is paved; the contractor shall be responsible to cut a minimum of one foot of asphalt beyond the pipe trench. See detailed drawings.

EXISTING SANITARY SEWER MAIN

Under no circumstances shall soil or groundwater be allowed into the sanitary sewer.

INSPECTIONS

All connections to existing main lines must be inspected by the City before backfilled. All laterals shall be inspected by flushing dye tabs down the existing laterals to ensure that all laterals are properly connected to the newly installed sanitary sewer main. Project manager and or Project engineer shall be present during testing.

APPURTENANCES

All fittings and materials required to install the main line and sewer laterals for which there is not a bid item shall be included in the cost of this item. Sewer shall be pumped from manhole to manhole around main lines being installed. This must be

accomplished without closing any driveways for longer than 2 ½ hours.

PAYMENT

Payment shall be on a contract unit price basis.

13. SWPPP

STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

ABSOLUTELY NO WORK SHALL COMMENCE UNTIL A SWPPP HAS BEEN SUBMITTED AND APPROVED. SWPPP shall be required to be stamped and approved by a Utah licensed professional engineer.

Includes Storm Water Pollution Prevention Plan (SWPPP) (SWPPP Plan Submittal Required). Submittal plan and report shall include detailed protection of sediment erosion control - on and off site, inlet protection measures, dust control, etc. Report shall conform to the State of Utah's requirements. Report shall state that all entrances and exits to the construction area will be free from tracking and methods by which tracking will be eliminated. Report shall state that all concrete washout areas will be properly contained and detail how it will be accomplished. Report and plan shall show clearly which inlets or other features will be protected and the methods used to accomplish the protection. Report shall state that ALL fabric/fiber rolls shall be inspected daily and replaced when ineffective or at minimum every 2 weeks or when a storm is reported to have accumulated ½" of rain in a 24-hour period as measured by the nearest rain gauge station. Report shall state that at least one dewatering bag shall be onsite for the duration of the project and more will be used if an incident requires the use of more than one. The daily reporting log shall be submitted to the Project Manager weekly. Report shall state that the roadway shall be kept clean and free from excessive dust and debris and a detailed accounting of the means by which this will be accomplished. Report shall be submitted ONE WEEK PRIOR to the Preconstruction Meeting to the Project Engineer. Failure to submit weekly SWPPP Reports shall result in a \$500 deduction per month from the mobilization line item.

PAYMENT

50% of this item will be paid when the plan is submitted and approved. The remainder will be paid by percentage of project completion.

14. CONSTRUCTION CONTINGENCY

The Construction Contingency line item is a non-bid item, and is not a pay item. The Construction Contingency is not a guaranteed payment. It is included in the project budget for administrative purposes, and will only be used for work approved through a Contingency request. The request must be submitted and approved prior to undertaking the work. The remaining amount in the construction contingency will go back to the City and is not paid to the Contractor.

15. COMPLETION INCENTIVE

Projects may include a completion Incentive to be paid only on the acceptance of the project on or before the project completion incentive date. The project shall only be

accepted after all punch list items are completed, landscape restoration, and the restoration of any and all improvements that have been adversely impacted, damaged, or destroyed by the construction of this project. The deadline for the Completion Incentive shall not be extended for any reason, including weather, or any other unforeseen events or items unless approved by the city council to extend the completion incentive deadline.

Completion incentive amounts shall be set to the following table using the Completion Incentive Form. 10% will be taken off the Completion Incentive each day past the completion incentive date. Liquidated damages will begin accruing 10 calendar days after the completion deadline. Liquidated damages shall be set according to the following table and be deducted from the final payment.

Completion Incentive Table			
Project Estimate	Max Completion Incentive Percent	Max Completion Incentive	Liquidated Damages per Business Day
\$5,000	10.00%	\$500	\$100
\$100,000	8.00%	\$8,000	\$200
\$250,000	6.00%	\$15,000	\$300
\$500,000	5.00%	\$25,000	\$400
\$1,000,000	4.00%	\$40,000	\$500
\$2,000,000	2.50%	\$50,000	\$500
\$3,000,000	2.00%	\$60,000	\$500
\$4,000,000	1.75%	\$70,000	\$500
\$5,000,000	1.60%	\$80,000	\$500

16. CONSTRUCTION SCHEDULE, AND TRAFFIC CONTROL

A construction schedule and traffic control plan for the construction shall be submitted to and approved by the City. All traffic control shall meet the requirements of the MUTCD. Schedules shall be submitted to the City representative bi-weekly until final completion.

WORK HOURS

Working hours shall be Monday through Friday 7 AM to 7 PM in residential areas unless otherwise specified. Spanish Fork City must be notified two business days prior to working on a holiday, weekend, or weekday before 7 AM or after 7 PM.

RESIDENTIAL ACCESS

Access shall be maintained to all homes during construction. Access plans shall be coordinated with the homeowners and the City. Closures to home accesses for trenches or paving may be in place for no longer than two and a half hours. The City and affected homeowners shall be notified of such closures a minimum of 24 hours in advance.

17. PLANS

Digital copies of the construction drawings and special provisions will be provided to the contractor. Any and all other sets of plans or documents related to this project are the responsibility of the contractor.

18. SURVEY

All construction staking is the responsibility of the contractor.

19. PAYMENT

Payments shall be made on the 10th of each month for the work done in the previous month. The contractor must follow-up to ensure that everything is being done properly to receive payment.

20. PAYMENT REQUESTS

Once a month, the contractor must submit a pay request to the City. This shall detail how much of each item the City has paid to date and how much work has been done since the last pay request. The City will verify the request by the end of the month.

21. RETAINED PAYMENT

The City will not retain any part of an approved pay request. However, once 85% of the work on a project is completed only one more pay request will be processed for that project. This last pay request will be processed upon completion of the final inspection checklist.

22. FINAL INSPECTION

When the contractor feels a project is completed, an appointment for a final inspection will be requested by the contractor with the engineering secretary (801) 804-4595. At this final inspection, a punch list will be made and a copy given to the contractor. The contractor must finish the punch list by the given completion date of the project or liquidated damages will be charged.

When the punch list is finished the contractor shall set an appointment with the Public Works Inspector through the engineering secretary. The inspector will then measure up every item with the contractor and a final pay request will be filled out and signed by both the contractor and the City.

23. CHANGE ORDERS OR CONTINGENCY REQUEST

Work on all change orders or contingency requests shall not commence until a signed change order (or contingency requests) form is in place, unless an emergency occurs endangering the public. If extra work is done without a change order or contingency requests in place then the work will not extend the contractor's completion deadline and payment amounts, if any, will be determined by the City.

24. LINE ITEMS

The City reserves the right to eliminate any or all items from the scope of this project. This will be done with a change order set in place before the work on the item is

commenced by the contractor. Change orders in favor of the City or deletion of line items and quantities shall not require the contractor's approval.

25. WORK ZONE

The work zone will be kept in an orderly manner and cleaned daily. The work zone will be watered and or swept as needed, or at the City's request, to control dust or debris. A self-propelled street sweeping broom shall be kept on site at all times. Contractor shall be responsible to secure work zone during construction to prevent unauthorized vehicular access.

26. PRE-CONSTRUCTION MEETING

A pre-construction meeting will be held with the contractor and all subcontractors and the City prior to commencement of work on this project. At this meeting a time will be set for a weekly progress meeting which will be held to discuss the progress of the project. Contractor will make an appointment with the engineering secretary for this meeting.

27. SPANISH FORK CITY STANDARDS

Any item not discussed in this document shall be determined by the City standards, Project Engineer, or the City Engineer.

28. PRE-CONSTRUCTION VIDEO

At the preconstruction meeting contractor shall submit a video of the existing condition of the project site area. This video will be used to resolve disputes over damaged property. Recording shall have video footage of any and all utility or improvements such as but not limited to: concrete, landscaping, asphalt, fencing, etc. in the project area at a close enough range to show existing conditions and or damage.

29. RESTORATION OF SURFACE IMPROVEMENTS

All surface improvements disrupted as a course of construction shall be restored to the original type of surface condition. This includes landscaping, pavement sections, gravel shoulders, trails, and concrete. All restoration work shall be done according to the City standards.

EXISTING CONDITIONS

The Contractor shall be responsible to visually inspect all existing surface improvements and include the restoration of these improvements in each individual line item which would disrupt the improvements in the course of construction.

LANDSCAPING

All landscaping shall be restored to the original type of landscaping with new material. Sod shall be used to restore grass areas.

PAVEMENT SECTIONS

Saw-cutting or milling pavement and all other requirements of the City standards

shall be included in the cost of the individual items. Three inches of bituminous surface course shall be placed back in paved areas. Trenches shall be paved back at the end of each week.

ASPHALT RESTORATION

The contractor is responsible to remove, dispose, and replace any asphalt within five (5) feet from any edge of the trench to the lip of gutter that is incidental to the installation of any and all utilities.

GRAVEL SHOULDERS

Gravel shoulders shall be restored with a minimum of 8 inches of untreated base course compacted to the City standards.

CONCRETE

All concrete shall be restored to match existing concrete. Any utility crossing under the sidewalk, cross gutter, curb and gutter, etc. will require at least ten (10) LF of replacement. All forms must be inspected by Spanish Fork City before concrete may be poured.

PAYMENT

There will be no payment for the restoration of surface improvements. The cost for the restoration of surface improvements shall be included in the cost for each individual item causing the disruption of the surface improvements. The Contractor shall be responsible to visually inspect all existing surface improvements that will need to be restored during construction before bidding and include the cost of their restoration in their bids.

30. EXISTING GAS, ELECTRICAL, AND COMMUNICATION LINES

Contractor shall notify Dave Wilkey at 801-853-6543 with Dominion Energy Gas 2 to 3 business days before crossing a gas main or lateral and notify them of a possible conflict. Contractor shall coordinate construction with Dominion Energy and allow them time to loop gas lines as necessary. The cost to coordinate this shall be included in the cost of the pipe.

Contractor shall pothole all electrical and communication lines to provide utility companies enough time to loop lines ahead of construction. The cost to pothole lines to plan grade shall be included in the cost of these pipe items.

31. INSPECTION AND TESTING

All work must meet requirements set forth in the plans, detail drawings and Spanish Fork City development standards. Inspections of items before they are buried will also include the City GPS crew surveying the exact location of utility.

DENSITY TESTING

Spanish Fork City will contract with a certified lab or engineering firm to test for compaction of all road base, sub-base, trench backfill and asphalt installed. Density tests will be taken on the road-base under every 50 feet on sidewalk, curb and gutter,

and curb wall and every 100 feet in trenches and in the road. At least one test must be done on each separate area of compacted material. No pipe or concrete work shall be paid for until certification of compaction of the base and backfill material under or around these items is obtained. No pipe shall be paid for until all required tests on the pipe are passed.

CONCRETE TESTING

Spanish Fork City will contract with a certified lab or engineering firm to test concrete. Certification of slump, air entrainment and cylinder strength shall be obtained for every 50 cubic yards of concrete placed or each separate pour. No concrete work shall be paid for until these certifications are submitted to Spanish Fork City.

NOTIFICATION

Contractor must call the City or testing lab for required inspections and tests 1 business day before test is ready to be done.

32. WATER SHUT-OFFS

Contractor will notify in writing the City and all affected residents about water shut-offs 2 business days prior to shut-off and designate time of shut-off and duration. Shutoffs may not exceed 6 hours in length or be between the hours of 5 pm and 10 pm or 6 am and 9 am unless otherwise specified.

33. PERSONAL PROTECTIVE EQUIPMENT (PPE)

Contractor shall be responsible for the safety of its employees and subcontractors. Contractor shall require PPE that is applicable to the job, minimum of safety glasses; hard hat and steel toe boots shall be required.

34. PRE-BID MEETING

A mandatory pre-bid meeting shall be held at the Spanish Fork City Engineering Office (775 North Main Street, Spanish Fork, UT) on Tuesday, July 2, 2024 at 10:00 AM MDT.

35. BID OPENING

A public bid opening shall be held at the Spanish Fork City Engineering Office (775 North Main Street, Spanish Fork, UT) on Tuesday, July 9, 2024 at 10:00 AM MDT.

All questions concerning this project shall be asked on bidsync.com. Under no circumstance shall the contractor contact the City. Any contractor that contacts the City may be disqualified from bidding on this project.