



ADDENDUM #2

GLEN MEADOW DRIVE STORM DRAIN

BID # 22/23-017 / PWP # WA-2023-113

BIDS DUE NO LATER THAN: 1:45 PM ON JANUARY 18, 2023

PUBLIC BID OPENING: 2:00 PM ON JANUARY 18, 2023

This addendum is to notify all potential proposers of clarifications made to the Bid documents as stated below.

- A) **Bid Item Schedule Replacement #2** – The original Bid Item Schedule found on Pages 5-9 of the original Bid Book was to be replaced by a Revised Bid Item Schedule found in Addendum #1. That Bid Item Schedule has been updated a second time with a new revised Bid Item Schedule contained in this Addendum #2.
- B) **Bid Item Clarifications** – The original section of the Bid Book, labeled as “Bid Item Clarifications” and found on Pages 52-65 of the Bid Book shall be replaced by the revised section contained in this Addendum #2.
- C) **City Responses to planholder Request for Information:**

1. Bid Item 14 shows 785 LF of 8" SS Asbestos Cement Pipe Removal. The plans show 576 LF of 8" SS ACP Removal on Glen Meadow Dr & 209 LF of 10" SS ACP Removal on Goldy Way.(C1.1 & C1.2).Should both the 8" & 10" be included in Item 14 or should there be an added bid item for the 10"?

City Response:

Please reference revised bid item schedule and bid item classification. 10” Sanitary Sewer ACP pipe material has been added to bid item 14.

2. Bid Item 12 shows 174 LF of 18" Asbestos Cement Pipe Removal. The plans (C1.2) show (41 LF + 134 LF = 175 LF) of RCP. Is the exiting pipe RCP or ACP?

City Response:

Based on current City of Sparks Inventory Bid Item 12 is Reinforced Concrete Pipe (RCP) and not Asbestos Concrete Pipe (ACP) please reference revised bid item schedule and bid item clarification. Bid Items 10 and 11 have been modified as well.

3. The plans do not show the locations of the sanitary sewer laterals that are supposed to be removed and replaced. It appears that the existing water service ac patch & concrete repairs are paid for as separate bid items. Will the AC repair & concrete repair for the sewer laterals be paid for under those items? Will the tie-in points for the ss laterals be at the ROW line?

City Response:

Please reference the revised bid item clarifications for clarification on Bid Item 24. Sanitary Sewer Laterals shall be connected to the new 8” Sanitary Sewer main within

the main line trench as currently shown. The proposed sanitary sewer main is designed to be at or below the existing sanitary sewer main.

Please note and adjust your bid according to the revisions, additions, deletions, clarifications or modifications as presented on this Addendum #2, which are made a part of this bid. NOTE: To avoid disqualification, this Addendum 2 (and any other addenda) must be signed by an authorized representative of the bidding firm in the space provided and must be submitted with your firm's sealed proposal. Failure to return this addendum, duly signed, may be cause for rejection of the bid. ALL ADDENDA SHOULD BE SIGNED AND PLACED IN SEQUENTIAL ORDER AND ATTACHED TO THE FRONT OF THE BID PACKAGE, COMPLETE WITH ALL REQUIRED DOCUMENTS.

CONTRACTOR BUSINESS NAME

Dan Marran, C.P.M., CPPO
Contracts and Risk Manager

X _____
Authorized Signature

January 13, 2023

Printed Name of Person Signing

CITY OF SPARKS
BID ITEM SCHEDULE – REVISED BY ADDENDUM #2

BID TITLE: GLEN MEADOW DRIVE STORM DRAIN IMPROVEMENT

BID# 22/23-017 / PWP# WA-2023-113

PRICES must be valid for 90 calendar days after the bid opening.

COMPLETION of this project is expected **PURSUANT TO CONTRACT DOCUMENTS.**

BIDDER acknowledges receipt of _____ Addenda.

Bidder Name

Signature

| Item No. | Quantity | Unit | Description | Unit Price | Total Price |
|----------------------------------|----------|------|--|--------------|-------------|
| General Items | | | | | |
| 1 | 1 | LS | Mobilization | \$ _____ /LS | \$ _____ |
| 2 | 1 | LS | Traffic Control | \$ _____ /LS | \$ _____ |
| 3 | 1 | LS | Construction Survey | \$ _____ /LS | \$ _____ |
| City of Sparks Demolition | | | | | |
| 4 | 19,510 | SF | Existing Asphalt Removal | \$ _____ /SF | \$ _____ |
| 5 | 275 | LF | Remove Existing Type 1 Curb & Gutter | \$ _____ /LF | \$ _____ |
| 6 | 2 | EA | Remove Existing ADA Ramp | \$ _____ /EA | \$ _____ |
| 7 | 530 | SF | Remove Existing Concrete Sidewalk | \$ _____ /SF | \$ _____ |
| 8 | 5 | EA | Existing S.S. and S.D. Manhole Removal | \$ _____ /EA | \$ _____ |

| | | | | | |
|---|-----|----|--|-------------|----------|
| 9 | 1 | EA | Existing Type 4-R Catch Basin Removal | \$ _____/EA | \$ _____ |
| 10 | 26 | LF | Existing 10" S.D. Reinforced Concrete Pipe Removal | \$ _____/LF | \$ _____ |
| 11 | 57 | LF | Existing 15" S.D. Reinforced Concrete Pipe Removal | \$ _____/LF | \$ _____ |
| 12 | 174 | LF | Existing 18" S.D. Reinforced Concrete Pipe Removal | \$ _____/LF | \$ _____ |
| 13 | 123 | LF | Existing 36" S.D. Concrete Pipe Abandonment | \$ _____/LF | \$ _____ |
| 14 | 785 | LF | Existing 8" & 10" S.S Asbestos Concrete Pipe Removal | \$ _____/LF | \$ _____ |
| City of Sparks Storm Drain and Sanitary Sewer Installation | | | | | |
| 15 | 4 | EA | Install Type 1 72" Storm Drain Manhole | \$ _____/EA | \$ _____ |
| 16 | 1 | EA | Install NDOT Type 4 72" Storm Drain Manhole | \$ _____/EA | \$ _____ |
| 17 | 1 | EA | Install Type 4-R Catch Basin | \$ _____/EA | \$ _____ |
| 18 | 35 | LF | Install 12" SDR 35 Storm Drain Lateral | \$ _____/LF | \$ _____ |
| 19 | 714 | LF | Install 30" SDR 35 Storm Drain Main | \$ _____/LF | \$ _____ |
| 20 | 134 | LF | Install 36" SDR 35 Storm Drain Main | \$ _____/LF | \$ _____ |
| 21 | 3 | EA | Install Type 1 48" Sanitary Sewer Manhole | \$ _____/EA | \$ _____ |
| 22 | 694 | LF | Install 8" SDR 35 Sanitary Sewer Main | \$ _____/LF | \$ _____ |

| | | | | | |
|--|-------|----|--|-------------|----------|
| 23 | 1 | LS | Sanitary Sewer By-Pass Pumping | \$ _____/LS | \$ _____ |
| 24 | 20 | EA | Remove and Replace Existing 4" Sanitary Sewer Laterals | \$ _____/EA | \$ _____ |
| Truckee Meadows Water Authority (TMWA) Improvements | | | | | |
| 25 | 32 | LF | Existing 12" Transite Main Removal | \$ _____/LF | \$ _____ |
| 26 | 1 | EA | Install 12" G.V. w/Anchor Block | \$ _____/EA | \$ _____ |
| 27 | 42 | LF | Install 12" Restrained DI Vertical Offset | \$ _____/LF | \$ _____ |
| 28 | 2 | EA | Install Vertical Anchor Blocks | \$ _____/EA | \$ _____ |
| 29 | 1 | LS | TMWA Force Account | \$ _____/LS | \$ _____ |
| NV Energy Improvements | | | | | |
| 30 | 496 | LF | 24" X 48" Secondary Trench | \$ _____/LF | \$ _____ |
| 31 | 330 | LF | 24" X 12' Secondary Trench | \$ _____/LF | \$ _____ |
| 32 | 820 | LF | 24" X 60" Primary Trench | \$ _____/LF | \$ _____ |
| 33 | 1,500 | LF | Furnish and Install 1 - 3" DB 120 Conduit | \$ _____/LF | \$ _____ |
| 34 | 185 | LF | Furnish and Install 1 - 4" DB 120 Conduit | \$ _____/LF | \$ _____ |
| 35 | 4 | EA | Install 17" X 30" (N-36) H-10 Concrete Box | \$ _____/EA | \$ _____ |
| 36 | 1 | EA | Furnish and Install 1 - 75kva Transformer Pad | \$ _____/EA | \$ _____ |

City of Sparks Road and Finish Grade Improvements

| | | | | | |
|----|--------|----|--|-------------|----------|
| 37 | 19,510 | SF | Permanent Asphalt Patch | \$ _____/SF | \$ _____ |
| 38 | 10,240 | SF | 2" Asphalt Grind and Overlay | \$ _____/SF | \$ _____ |
| 39 | 275 | LF | Type 1 Curb & Gutter | \$ _____/LF | \$ _____ |
| 40 | 2 | EA | Install ADA Ramp | \$ _____/EA | \$ _____ |
| 41 | 530 | SF | Install Concrete Sidewalk | \$ _____/SF | \$ _____ |
| 42 | 2 | EA | Remove and Replace Loop Detectors | \$ _____/EA | \$ _____ |
| 43 | 108 | LF | Install Thermoplastic Stop Bar | \$ _____/LF | \$ _____ |
| 44 | 78 | LF | Install 4" Solid White Striping | \$ _____/LF | \$ _____ |
| 45 | 128 | LF | Install 4" Double Yellow Striping | \$ _____/LF | \$ _____ |
| 46 | 112 | LF | Install Thermoplastic X-Walk Striping | \$ _____/LF | \$ _____ |
| 47 | 66 | LF | Remove and Replace Thermoplastic X-Walk Striping | \$ _____/LF | \$ _____ |
| 48 | 2 | EA | Install Thermoplastic "Stop" Striping | \$ _____/EA | \$ _____ |
| 49 | 1 | EA | Install Thermoplastic "Only" Striping | \$ _____/EA | \$ _____ |
| 50 | 2 | EA | Install Thermoplastic Right Turn Arrow | \$ _____/EA | \$ _____ |

| | | | | | |
|----|---|----|--|--------------------------|----------------------|
| 51 | 2 | EA | Install Thermoplastic Straight/Left Turn Arrow | \$ _____/EA | \$ _____ |
| 52 | 1 | LS | Force Account | \$ <u>100,000.00</u> /LS | \$ <u>100,000.00</u> |

| | |
|---|---|
| <p>Total Price for GLEN MEADOW DRIVE STORM DRAIN IMPROVEMENT</p> <p>\$ _____</p> <p style="text-align: center;">(Written total bid price)</p> | <p>\$ _____</p> <p style="text-align: center;">Total BID Price</p> |
|---|---|

BID ITEM CLARIFICATIONS – *REVISED* by *ADDENDUM #2*
GLEN MEADOW DRIVE STORM DRAIN
Bid Number 22/23-017 / PWP #WA-2023-113

General Project Items

Bid Item 1 – Mobilization

This item shall include providing all labor, materials, supplies, equipment, services and other incidentals necessary for mobilization, demobilization, obtaining all required insurance, bonds, permits and project signs as set forth in these plans and specifications.

Payment is on a lump sum basis. Partial payment for mobilization will be 20% for each 10% of project completion thru 50% completion.

Bid Item 2 – Traffic Control

This item shall include providing all labor, materials, equipment, services and other incidentals necessary to provide traffic control in accordance with the plans and specifications. This item shall include the preparation and submittal of traffic control plans and notices, and the installation and removal of traffic control devices throughout the entire project.

Payment will be on a lump sum basis. Partial payment will be made based upon percent completion of the work.

Bid Item 3 – Construction Survey

This item shall include providing all labor, materials, equipment, services and other incidentals necessary to provide construction survey and layout in accordance with the plans and specifications.

Payment will be on a lump sum basis. Partial payment will be made based upon percent completion of the work.

City of Sparks Storm Drain and Sanitary Sewer Removal

Bid Item 4 – Existing Asphalt Removal

This item shall include removal of existing asphalt as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to remove existing asphalt as indicated on the plans, including, but not limited to; sawcuts, removal of the existing asphalt and the existing aggregate base and/ or subgrade materials, and removal of existing materials, including tree roots, to the bottom of the new aggregate base depth in the areas indicated on the plans, and disposing of unsuitable materials to an offsite location.

The final pay quantity shall be by square foot. Payment for REMOVE EXISTING ASPHALT shall be made at the applicable unit price bid per square foot, which shall be deemed full compensation to complete the work as specified.

Bid Item 5 – Remove Existing Type 1 Curb & Gutter

This item shall include removal of existing Type 1 Curb & Gutter as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to remove existing Type 1 Curb & Gutter as indicated on the plans, including, but not limited to; sawcuts, removal of the existing curb & gutter and the existing aggregate base and/ or subgrade materials, and removal of existing materials, including tree roots, to the bottom of the new aggregate base depth in the areas indicated on the plans, and disposing of unsuitable materials to an offsite location.

The final pay quantity shall be by linear foot. Payment for REMOVE EXISTING TYPE 1 CURB & GUTTER shall be made at the applicable unit price bid per linear foot, which shall be deemed full compensation to complete the work as specified.

Bid Item 6 – Remove Existing ADA Ramp(s)

This item shall include removal of existing ADA ramp(s) as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to remove existing ADA ramp(s) as indicated on the plans, including, but not limited to; sawcuts, removal of the existing concrete and the existing aggregate base and/ or subgrade materials, and removal of existing materials, including tree roots, to the bottom of the new aggregate base depth in the areas indicated on the plans, and disposing of unsuitable materials to an offsite location.

The final pay quantity shall be by each. Payment for REMOVE EXISTING ADA RAMP(s) shall be made at the applicable unit price bid per each, which shall be deemed full compensation to complete the work as specified.

Bid Item 7 – Remove Existing Concrete Sidewalk

This item shall include removal of existing concrete sidewalk as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to remove existing concrete sidewalk as indicated on the plans, including, but not limited to; sawcuts, removal of the existing concrete and the existing aggregate base and/ or subgrade materials, and removal of existing materials, including tree roots, to the bottom of the new aggregate base depth in the areas indicated on the plans, and disposing of unsuitable materials to an offsite location.

The final pay quantity shall be by square foot. Payment for REMOVE EXISTING CONCRETE SIDEWALK shall be made at the applicable unit price bid per square foot, which shall be deemed full compensation to complete the work as specified.

Bid Item 8 – Existing Sanitary Sewer (S.S.) and Storm Drain (S.D.) Manhole(s) Removal

This item shall include removal of existing sanitary sewer (S.S.) and storm drain (S.D.) manhole(s) as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to remove existing sanitary sewer (S.S.) and storm drain (S.D.) manhole(s) as indicated on the plans, including, but not limited to; sawcuts, removal of the existing concrete and the existing aggregate base and/ or subgrade materials, and removal of existing materials, including tree roots, to the bottom of the

new manhole base depth in the areas indicated on the plans, and disposing of unsuitable materials to an offsite location.

The final pay quantity shall be by each. Payment for EXISTING SANITARY SEWER (S.S.) AND STORM DRAIN (S.D.) MANHOLE(s) REMOVAL shall be made at the applicable unit price bid per each, which shall be deemed full compensation to complete the work as specified.

Bid Item 9 – Existing Type 4-R Catch Basin Removal

This item shall include removal of existing type 4-R catch basin(s) indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to remove existing type 4-R catch basin(s) as indicated on the plans, including, but not limited to; sawcuts, removal of the existing concrete and the existing aggregate base and/ or subgrade materials, and removal of existing materials, including tree roots, to the bottom of the new catch basin base depth in the areas indicated on the plans, and disposing of unsuitable materials to an offsite location.

The final pay quantity shall be by each. Payment for EXISTING TYPE 4-R CATCH BASIN REMOVAL shall be made at the applicable unit price bid per each, which shall be deemed full compensation to complete the work as specified.

Bid Item 10 – Existing 10” Storm Drain (S.D.) Reinforced Concrete Pipe Removal

This item shall include removal of existing 10” storm drain (S.D.) concrete pipe indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to remove existing 10” storm drain (S.D.) reinforced concrete pipe as indicated on the plans, including, but not limited to; sawcuts, removal of the existing concrete and the existing pipe bedding and/ or subgrade materials, and removal of existing materials, including tree roots, to the bottom of the new pipe depth in the areas indicated on the plans, and disposing of unsuitable materials to an offsite location.

The final pay quantity shall be by linear foot. Payment for EXISTING 10” STORM DRAIN (S.D.) REINFORCED CONCRETE PIPE REMOVAL shall be made at the applicable unit price bid per linear foot, which shall be deemed full compensation to complete the work as specified.

Bid Item 11 – Existing 15” Storm Drain (S.D.) Reinforced Concrete Pipe Removal

This item shall include removal of existing 15” storm drain (S.D.) concrete pipe indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to remove existing 15” storm drain (S.D.) reinforced concrete pipe as indicated on the plans, including, but not limited to; sawcuts, removal of the existing concrete and the existing pipe bedding and/ or subgrade materials, and removal of existing materials, including tree roots, to the bottom of the new pipe depth in the areas indicated on the plans, and disposing of unsuitable materials to an offsite location.

The final pay quantity shall be by linear foot. Payment for EXISTING 15” STORM DRAIN (S.D.) REINFORCED CONCRETE PIPE REMOVAL shall be made at the applicable unit price bid per linear foot, which shall be deemed full compensation to complete the work as specified.

Bid Item 12 – Existing 18” Storm Drain (S.D.) Reinforced Concrete Pipe Removal

This item shall include removal of existing 18” storm drain (S.D.) reinforced concrete pipe indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to remove existing 18” storm drain (S.D.) reinforced concrete pipe as indicated on the plans, including, but not limited to; sawcuts, removal of the existing concrete and the existing pipe bedding and/ or subgrade materials, and removal of existing materials, including tree roots, to the bottom of the new pipe depth in the areas indicated on the plans, and disposing of unsuitable materials to an offsite location.

The final pay quantity shall be by linear foot. Payment for EXISTING 18” STORM DRAIN (S.D.) REINFORCED CONCRETE PIPE REMOVAL shall be made at the applicable unit price bid per linear foot, which shall be deemed full compensation to complete the work as specified.

Bid Item 13 – Existing 36” Storm Drain (S.D.) Concrete Pipe Abandonment

This item shall include abandonment of existing 36” storm drain (S.D.) concrete pipe indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to abandon existing 36” storm drain (S.D.) concrete pipe as indicated on the plans.

The final pay quantity shall be by linear foot. Payment for EXISTING 36” STORM DRAIN (S.D.) CONCRETE PIPE ABANDONMENT shall be made at the applicable unit price bid per linear foot, which shall be deemed full compensation to complete the work as specified.

Bid Item 14 – Existing 8” & 10” Sanitary Sewer (S.S.) Asbestos Concrete Pipe Removal

This item shall include removal of existing 8” & 10” sanitary sewer (S.S.) asbestos concrete pipe indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to remove existing 8” & 10” sanitary sewer (S.S.) asbestos concrete pipe as indicated on the plans, including, but not limited to; sawcuts, removal of the existing concrete and the existing pipe bedding and/ or subgrade materials, and removal of existing materials, including tree roots, to the bottom of the new pipe depth in the areas indicated on the plans, and disposing of unsuitable materials to an offsite location.

The final pay quantity shall be by linear foot. Payment for EXISTING 8” & 10” SANITARY SEWER (S.S.) ASBESTOS CONCRETE PIPE REMOVAL shall be made at the applicable unit price bid per linear foot, which shall be deemed full compensation to complete the work as specified.

City of Sparks Storm Drain and Sanitary Sewer Installation

Bid Item 15 – Install Type 1 72” Storm Drain Manhole (S.D.M.H.)

This item shall include installing type 1 72” Storm Drain Manhole (S.D.M.H.) as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install type 1 72” Storm Drain Manhole (S.D.M.H.) as indicated on the plans, including, but not limited to; connecting to the storm drain system, raising frame and cover to grade after final asphalt installation, placing bedding and backfill up to

proposed sub-grade, aggregate bases, portland cement concrete and furnishing the type 1 72” storm drain manhole (S.D.M.H.) with frame and cover.

The final pay quantity shall be by each. Payment for INSTALL TYPE 1 72” STORM DRAIN MANHOLE (S.D.M.H.) shall be made at the applicable unit price bid per each, which shall be deemed full compensation to complete the work as specified.

Bid Item 16 – Install NDOT Type 4 72” Storm Drain Manhole (S.D.M.H.)

This item shall include installing NDOT type 4 72” Storm Drain Manhole (S.D.M.H.) as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install NDOT type 4 72” Storm Drain Manhole (S.D.M.H.) as indicated on the plans, including, but not limited to; connecting to the storm drain system, raising frame and cover to grade after final asphalt installation, placing bedding and backfill up to proposed sub-grade, aggregate bases, portland cement concrete and furnishing the NDOT type 4 72” storm drain manhole (S.D.M.H.) with frame and cover.

The final pay quantity shall be by each. Payment for INSTALL NDOT TYPE 4 72” STORM DRAIN MANHOLE (S.D.M.H.) shall be made at the applicable unit price bid per each, which shall be deemed full compensation to complete the work as specified.

Bid Item 17 – Install Type 4-R Catch Basin

This item shall include installing Type 4-R Catch Basin as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install Type 4-R Catch Basin as indicated on the plans, including, but not limited to; connecting to the storm drain system, raising frame and cover to grade during curb & gutter installation, placing bedding and backfill up to proposed sub-grade, aggregate bases, portland cement concrete and furnishing the Type 4-R Catch Basin with frame and cover.

The final pay quantity shall be by each. Payment for INSTALL TYPE 4-R CATCH BASIN shall be made at the applicable unit price bid per each, which shall be deemed full compensation to complete the work as specified.

Bid Item 18 – Install 12” SDR 35 Storm Drain (S.D.) Lateral

This item shall include installing 12” SDR 35 storm drain (S.D.) lateral as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install 12” SDR 35 storm drain (S.D.) lateral as indicated on the plans, including, but not limited to; trenching, connections, placing pipe bedding, and placing backfill to proposed sub-grade.

Pipe material may be substituted with ADS Sanitite HP Dual Wall or Class III Reinforced Concrete Pipe in lieu of SDR 35.

The final pay quantity shall be by linear foot. Payment for INSTALL 12” STORM DRAIN (S.D.) LATERAL shall be made at the applicable unit price bid per lineal foot, which shall be deemed full compensation to complete the work as specified.

Bid Item 19 – Install 30” SDR 35 Storm Drain (S.D.) Main

This item shall include installing 30” SDR 35 storm drain (S.D.) main as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install 30” SDR 35 storm drain (S.D.) main as indicated on the plans, including, but not limited to; trenching, connections, placing pipe bedding, excavatable slurry (where indicated on the plans) and placing backfill to proposed sub-grade.

Pipe material may be substituted with ADS Sanitite HP Dual Wall or Class III Reinforced Concrete Pipe in lieu of SDR 35.

The final pay quantity shall be by linear foot. Payment for INSTALL 30” STORM DRAIN (S.D.) MAIN shall be made at the applicable unit price bid per lineal foot, which shall be deemed full compensation to complete the work as specified.

Bid Item 20 – Install 36” SDR 35 Storm Drain (S.D.) Main

This item shall include installing 36” SDR 35 storm drain (S.D.) main as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install 36” SDR 35 storm drain (S.D.) main as indicated on the plans, including, but not limited to; trenching, connections, placing pipe bedding, and placing backfill to proposed sub-grade.

Pipe material may be substituted with ADS Sanitite HP Dual Wall or Class III Reinforced Concrete Pipe in lieu of SDR 35.

The final pay quantity shall be by linear foot. Payment for INSTALL 36” STORM DRAIN (S.D.) MAIN shall be made at the applicable unit price bid per lineal foot, which shall be deemed full compensation to complete the work as specified.

Bid Item 21 – Install Type 1 48” Sanitary Sewer Manhole (S.S.M.H.)

This item shall include installing type 1 48” Sanitary Sewer Manhole (S.S.M.H.) as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install type 1 48” Sanitary Sewer Manhole (S.S.M.H.) as indicated on the plans, including, but not limited to; connecting to the storm drain system, raising frame and cover to grade after final asphalt installation, placing bedding and backfill up to proposed sub-grade, portland cement concrete and furnishing the type 1 48” sanitary sewer manhole (S.S.M.H.) with frame and cover.

The final pay quantity shall be by each. Payment for INSTALL TYPE 1 48” SANITARY SEWER MANHOLE (S.S.M.H.) shall be made at the applicable unit price bid per each, which shall be deemed full compensation to complete the work as specified.

Bid Item 22 – Install 8” SDR 35 Sanitary Sewer Main

This item shall include installing 8” SDR 35 sanitary sewer (S.S.) main as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install 8” SDR 35 sanitary sewer (S.S.) main as indicated on the

plans, including, but not limited to; trenching, connections, placing pipe bedding, excavatable slurry (where indicated on plans) and placing backfill up to proposed sub-grade.

The final pay quantity shall be by linear foot. Payment for INSTALL 8" SANITARY SEWER (S.S.) MAIN shall be made at the applicable unit price bid per lineal foot, which shall be deemed full compensation to complete the work as specified.

Bid Item 23 – Sanitary Sewer Main By-Pass Pumping

This item shall include installing and maintaining a temporary sanitary sewer by-pass pumping system to allow conveyance of sanitary sewer produced by the project area and any source points upstream of the project area. The work comprising the unit bid price for this item shall include all design, labor, equipment, materials and incidentals necessary to install the Sanitary Sewer Main By-Pass Pumping System.

Payment will be on a lump sum basis. Partial payment will be made based upon percent completion of the work.

Bid Item 24 – Remove and Replace Existing 4" SDR 35 Sanitary Sewer (S.S) Lateral(s)

This item shall include installing 4" SDR 35 sanitary sewer (S.S.) lateral(s) as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install 4" SDR 35 sanitary sewer (S.S.) lateral(s) within mainline asphalt sawcut and trench as indicated on the plans, including, but not limited to; trenching, connections, placing pipe bedding, and placing backfill up to proposed sub-grade.

The final pay quantity shall be by each. Payment for INSTALL 4" SDR 35 SANITARY SEWER (S.S.) LATERAL(s) shall be made at the applicable unit price bid per each, which shall be deemed full compensation to complete the work as specified.

Truckee Meadows Water Authority (TMWA) Water Main Lowering

Bid Item 25 – Remove Existing 12" Transite Water Main

This item shall include removal of existing 12" transite water main indicated on the TMWA plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to remove existing 12" transite water main as indicated on the plans, including, but not limited to, removal of the existing concrete and the existing pipe bedding and/ or subgrade materials, and removal of existing materials, including tree roots, to the bottom of the new pipe depth in the areas indicated on the plans, and disposing of unsuitable materials to an offsite location, per Truckee Meadows Water Authority requirements for Asbestos disposal.

The final pay quantity shall be by linear foot. Payment for EXISTING 12" TRANSITE WATER MAIN shall be made at the applicable unit price bid per linear foot, which shall be deemed full compensation to complete the work as specified.

BID ITEM 26 – Install 12" Gate Valve with Anchor Block

This item shall include installing 12” gate valve with anchor block as indicated on the TMWA plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install 12” gate valve with anchor block as indicated on the plans, including, but not limited to; connecting to the existing water main, raising valve frame and cover to grade after final asphalt installation, placing bedding and backfill up to proposed sub-grade, aggregate bases, portland cement concrete, rebar reinforcement, and furnishing the 12” gate valve with riser, frame.

The final pay quantity shall be by each. Payment for INSTALL 12” GATE VALVE WITH ANCHOR BLOCK shall be made at the applicable unit price bid per each, which shall be deemed full compensation to complete the work as specified.

BID ITEM 27 – Install 12” Ductile Iron Water Main Vertical Offset

This item shall include installing 12” ductile iron water main vertical offset as indicated on the TMWA plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install 12” ductile iron water main vertical offset as indicated on the plans, including, but not limited to; trenching, main connections, installing temporary 2” flush, installing vertical mechanically restrained joint elbows placing pipe bedding, and placing backfill.

The final pay quantity shall be by linear foot. Payment for INSTALL 12” DUCTILE IRON WATER MAIN VERTICAL OFFSET shall be made at the applicable unit price bid per lineal foot, which shall be deemed full compensation to complete the work as specified.

BID ITEM 28 – Install Vertical Offset Anchor Block(s)

This item shall include installing vertical offset anchor block(s) as indicated on the TMWA plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install vertical offset anchor block(s) as indicated on the plans, including, but not limited to; portland cement concrete and rebar reinforcement.

The final pay quantity shall be by each. Payment for VERTICAL OFFSET ANCHOR BLOCK(s) shall be made at the applicable unit price bid per each, which shall be deemed full compensation to complete the work as specified.

BID ITEM 29 – TMWA Force Account

A force account of \$8,000.00 has been established for the TMWA work associated with the project and shall be included in each bid. The force account will be utilized only as necessary for extra work authorized and approved by the Engineer, TMWA and the City of Sparks.

NV Energy Electrical Utility Removal and Installation

BID ITEM 30 – 24” X 48” Secondary Trench per SPPC Electric Construction Standards Vol. 17 (Non-Landscaped Surfaces)

This item shall include installing 24” X 48” secondary trench as indicated on the NV Energy plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install 24” X 48” secondary trench as indicated on the

plans, including, but not limited to trenching, placing conduit bedding, and placing backfill. Per SPPC Volume 17, Trench Detail #TE0003U (including notes). Backfill shall be in compliance with SPPC Trench Bedding and Backfill specification Sub01X.

The final pay quantity shall be by linear foot. Payment for 24" X 48" SECONDARY TRENCH shall be made at the applicable unit price bid per linear foot, which shall be deemed full compensation to complete the work as specified.

BID ITEM 31 – 24" X 12' Primary Trench per SPPC Electric Construction Standards Vol. 17 (Asphalt Surfaces)

This item shall include installing 24" X 12' primary trench as indicated on the NV Energy plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install 24" X 12' primary trench as indicated on the plans, including, but not limited to trenching, placing conduit bedding, and placing backfill. Per SPPC Volume 17, Trench Detail #TE0003U (including notes). Backfill shall be in compliance with SPPC Trench Bedding and Backfill specification Sub01X.

The final pay quantity shall be by linear foot. Payment for 24" X 12' PRIMARY TRENCH shall be made at the applicable unit price bid per linear foot, which shall be deemed full compensation to complete the work as specified.

BID ITEM 32 – 24" X 60" Primary Trench per SPPC Electric Construction Standards Vol. 17 (Asphalt Surfaces)

This item shall include installing 24" X 60" primary trench as indicated on the NV Energy plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install 24" X 60" primary trench as indicated on the plans, including, but not limited to trenching, placing conduit bedding, and placing backfill. Per SPPC Volume 17, Trench Detail #TE0003U (including notes). Backfill shall be in compliance with SPPC Trench Bedding and Backfill specification Sub01X.

The final pay quantity shall be by linear foot. Payment for 24" X 60" PRIMARY TRENCH shall be made at the applicable unit price bid per linear foot, which shall be deemed full compensation to complete the work as specified.

BID ITEM 33 – Furnish and Install 1 – 3" DB 120 Conduit

This item shall include installing 1 - 3" DB 120 Conduit as indicated on the NV Energy plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install 1 - 3" DB 120 Conduit as indicated on the plans.

The final pay quantity shall be by linear foot. Payment for 1 – 3" DB 120 CONDUIT shall be made at the applicable unit price bid per linear foot, which shall be deemed full compensation to complete the work as specified.

BID ITEM 34 – Furnish and Install 1 – 5”DB 120 Conduit

This item shall include installing 1 - 5” DB 120 Conduit as indicated on the NV Energy plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install 1 - 5” DB 120 Conduit as indicated on the plans.

The final pay quantity shall be by linear foot. Payment for 1 – 5” DB 120 CONDUIT shall be made at the applicable unit price bid per linear foot, which shall be deemed full compensation to complete the work as specified.

BID ITEM 35 – Install 17” X 30” (N-36) H-10 Concrete Box(s)

This item shall include installing 17” X 30” (N-36) H-10 Concrete Box(s) as indicated on the NV Energy plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install 17” X 30” (N-36) H-10 Concrete Box(s) as indicated on the plans, including, but not limited to trenching, placing box bedding, placing backfill and the furnishing and installation of N-36 concrete box with (2) extensions each per SPPC standard VB0052U and SPPC Trenching & Bedding and Backfill Standard SUB03X.

The final pay quantity shall be by each. Payment for 17” X 30” (N-36) H-10 CONCRETE BOX shall be made at the applicable unit price bid per each, which shall be deemed full compensation to complete the work as specified.

BID ITEM 36 – Furnish and Install 1 – 75kva Transformer Pad

This item shall include installing 1 – 75kva transformer pad as indicated on the NV Energy plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install 1 – 75kva transformer pad as indicated on the plans, including, but not limited to trenching, placing box bedding, placing backfill and the furnishing and installation of N-36 concrete box with (2) extensions each per SPPC standard VB0052U and SPPC Trenching & Bedding and Backfill Standard SUB03X.

The final pay quantity shall be by each. Payment for 1 – 75KVA TRANSFORMER PAD shall be made at the applicable unit price bid per each, which shall be deemed full compensation to complete the work as specified.

City of Sparks Finish Grade Improvements

BID ITEM 37 – Permanent Asphalt Patch

This item shall include constructing permanent asphalt patch as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to construct asphalt paving as indicated on the plans, including, but not limited to; installation of asphalt and aggregate base course per details indicated on the plans.

The final pay quantity shall be by square foot. Payment for PERMANENT ASPHALT PATCH shall be made at the applicable unit price bid per square foot, which shall be deemed full compensation to complete the work as specified.

BID ITEM 38 – 2” Asphalt Grind and Overlay

This item shall include constructing 2” asphalt grind and overlay as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to construct 2” asphalt grind and overlay as indicated on the plans, including, but not limited to; furnishing 2” grind and installation of asphalt per the details indicated on the plans.

The final pay quantity shall be by square foot. Payment for 2” ASPHALT GRIND AND OVERLAY shall be made at the applicable unit price bid per square foot, which shall be deemed full compensation to complete the work as specified.

BID ITEM 39 – Type 1 Curb & Gutter

This item shall include constructing type 1 curb & gutter as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to construct type 1 curb & gutter as indicated on the plans, including, but not limited to; installation of PCC curb and gutter, furnishing of aggregate base course to per details on the plans.

The final pay quantity shall be by lineal foot. Payment for Type 1 Curb & Gutter shall be made at the applicable unit price bid per lineal foot, which shall be deemed full compensation to complete the work as specified.

BID ITEM 40 – Install ADA Ramp

This item shall include installing ADA pedestrian ramps as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to installing ADA pedestrian ramps as indicated on the plans, including, but not limited to; construction of PCC pedestrian ramp and gutter, truncated domes installation for pedestrian ramp, and supplement of aggregate base to existing aggregate base as needed per direction of the CITY per details on the plans.

The final pay quantity shall be by each. Payment for INSTALL ADA RAMP shall be made at the applicable unit price bid per each item, which shall be deemed full compensation to complete the work as specified.

BID ITEM 41 – Install Concrete Sidewalk

This item shall include installing concrete sidewalk as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary for installing concrete sidewalk as indicated on the plans, including, but not limited to; installation of PCC sidewalk, and supplement of aggregate base to existing base as needed per direction of the CITY per details on the plans.

The final pay quantity shall be by square foot. Payment for INSTALL CONCRETE SIDEWALK shall be made at the applicable unit price bid per square foot, which shall be deemed full compensation to complete the work as specified.

BID ITEM 42 – Remove and Replace Loop Detector(s) (Goldy/Baring Intersection, Southern Leg)

This item shall include remove and replace loop detectors as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to removing and replacing loop detectors as indicated on the plans, including, but not limited to direction of the CITY per details on the plans.

The final pay quantity shall be by each. Payment for REMOVE AND REPLACE LOOP DETECTOR(s) shall be made at the applicable unit price bid per each item, which shall be deemed full compensation to complete the work as specified.

BID ITEM 43 – Install Thermoplastic Stop Bar

This item shall include installation of thermoplastic stop bar as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install thermoplastic stop bar as indicated on the plans, including, but not limited to direction of the CITY per details on the plans.

The final pay quantity shall be by linear foot. Payment for THERMOPLASTIC STOP BAR shall be made at the applicable unit price bid per linear foot, which shall be deemed full compensation to complete the work as specified.

BID ITEM 44 – Solid 4” White Striping

This item shall include installation of solid 4” white striping as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install solid 4” white striping as indicated on the plans, including, but not limited to direction of the CITY per details on the plans.

The final pay quantity shall be by linear foot. Payment for SOLID 4” WHITE STRIPING shall be made at the applicable unit price bid per linear foot, which shall be deemed full compensation to complete the work as specified.

BID ITEM 45 – 4” Double Yellow Striping

This item shall include installation of 4” double yellow striping as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install 4” double yellow striping as indicated on the plans, including, but not limited to direction of the CITY per details on the plans.

The final pay quantity shall be by linear foot. Payment for 4” DOUBLE YELLOW STRIPING shall be made at the applicable unit price bid per linear foot, which shall be deemed full compensation to complete the work as specified.

BID ITEM 46 – Install Thermoplastic X-Walk Striping

This item shall include installation of thermoplastic X-Walk striping as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install thermoplastic X-Walk striping as indicated on the plans, including, but not limited to direction of the CITY per details on the plans.

The final pay quantity shall be by linear foot. Payment for INSTALL THERMOPLASTIC X-WALK STRIPING shall be made at the applicable unit price bid per linear foot, which shall be deemed full compensation to complete the work as specified.

BID ITEM 47 – Remove and Replace Thermoplastic X-Walk Striping

This item shall include removal and installation of thermoplastic X-Walk striping as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to remove and replace thermoplastic X-Walk striping as indicated on the plans, including, but not limited to direction of the CITY per details on the plans.

The final pay quantity shall be by linear foot. Payment for REMOVE AND REPLACE THERMOPLASTIC X-WALK STRIPING shall be made at the applicable unit price bid per linear foot, which shall be deemed full compensation to complete the work as specified.

BID ITEM 48 – Install Thermoplastic “Stop” Striping

This item shall include installation of thermoplastic “Stop” striping as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install thermoplastic “Stop” striping as indicated on the plans, including, but not limited to direction of the CITY per details on the plans.

The final pay quantity shall be by each. Payment for INSTALL THERMOPLASTIC “STOP” STRIPING shall be made at the applicable unit price bid per each, which shall be deemed full compensation to complete the work as specified.

BID ITEM 49 – Install Thermoplastic “Only” Striping

This item shall include installation of thermoplastic “Only” striping as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install thermoplastic “Only” striping as indicated on the plans, including, but not limited to direction of the CITY per details on the plans.

The final pay quantity shall be by each. Payment for INSTALL THERMOPLASTIC “Only” STRIPING shall be made at the applicable unit price bid per each, which shall be deemed full compensation to complete the work as specified.

BID ITEM 50 – Install Thermoplastic Right Turn Arrow

This item shall include installation of thermoplastic right turn arrow as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install thermoplastic right turn arrow as indicated on the plans, including, but not limited to direction of the CITY per details on the plans.

The final pay quantity shall be by each. Payment for INSTALL THERMOPLASTIC RIGHT TURN ARROW shall be made at the applicable unit price bid per each, which shall be deemed full compensation to complete the work as specified.

BID ITEM 51 – Install Thermoplastic Straight/Left Turn Arrow

This item shall include installation of thermoplastic straight/left turn arrow as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install thermoplastic straight/left turn arrow as indicated on the plans, including, but not limited to direction of the CITY per details on the plans.

The final pay quantity shall be by each. Payment for INSTALL THERMOPLASTIC STRAIGHT/LEFT TURN ARROW shall be made at the applicable unit price bid per each, which shall be deemed full compensation to complete the work as specified.

BID ITEM 52 - Force Account

A force account of \$100,000.00 has been established for this project and shall be included in each bid. The force account will be utilized only as necessary for extra work authorized and approved by the Engineer and the City of Sparks.