



Addendum No. 3

February 14, 2019

**Project: Glenoaks Boulevard Street Sewer and Water Improvement Project
Job. No. 7608 – Plan No. P-730**

The following changes shall apply for this project.

1. The bid opening date of 11:00 a.m. on Tuesday, February 19, 2019 has been revised to **11:00 a.m. on Tuesday, February 26, 2019.**
2. Replace the Bid Schedules (Pages P-2 and P-3) with the attached revised Bid Schedules (Page P-2 and P-3). The methods of sewer construction in Bid Schedules "A" and "B" have been revised to "open trench" and "pipe burst", respectively.
3. Replace the Bid Item Descriptions (Pages B-1 to B-6) with the attached revised Bid Item Descriptions (Pages B-1 to B-7).
4. Wherever the "pipe burst" method of sewer construction appears on the plans, it shall be replaced with the "open trench" method.

The following questions and answers are hereby incorporated into this project.

- Q1. *Regarding Addendum No. 1 concerning the change on 15-inch HDPE to 16-inch HDPE, will new sheets for the bid schedule, specifications, and plans be provided to reflect this change in the project?*
- A1. See items 1 and 2 above.
- Q2. *Why was there a huge increase in the pipe size from a 10-inch to a 16-inch?*
- A2. The increase in pipe size is based on the sewer master plan.
- Q3. *Due to pipe bursting, what is the tolerance for damage to properties? Should forecasted damages be included in contractor bid?*
- A3. As with all contract work, any damages related to the pipe bursting operation will be mitigated by the Contractor and no additional compensation will be made therefor.
- Q4. *On Harding Sheet 5 of 9, why are we connecting an 18-inch line to a 15-inch line? Wouldn't the City prefer an 18-inch instead or is there a reason the City wants to slow down the sewage flow?*
- A4. The 15" minimum ID line has been revised to an 18" minimum ID line.
- Q5. *Please provide the HDPE pipe specification.*

- A5. The specified HDPE pipe size shall have the minimum specified inside diameter (ID) using Iron Pipe Size (IPS) for DR-17 as per Section 207-25 of the Special Provisions (i.e., 15" HDPE shall have minimum 15" ID based on IPS for DR-17, 18" HDPE shall have a minimum 18" ID based on IPS for DR-17.)
- Q6. *Bid Item 15 and 16 reference City Standard Plate No. 19. Please provide a copy.*
A6. City Standard Plate No. 19 is shown on Sheet 8 of the Plans.
- Q7. *Is the 15-inch HDPE pipe to installed pipe bursting 16-inch OD HDPE DR17?*
A7. See A5.
- Q8. *Is the 18-inch HDPE pipe to be installed by pipe bursting 18-inch OD HDPE DR17?*
A8. See A5.
- Q9. *The depth of cover in relation to the amount of upsize for pipe bursting is outside the general rule of thumb for determining adequate cover for prevention of surface heave. Will the City be providing a bid item for potential surface repairs due to heave or is the Contractor to add potential repair cost into their unit price for pipe bursting installation?*
A9. See A3.
- Q10. *Will Faction Fusion HDPE welded saddles be accepted as an alternate for the HDPE branch connections?*
A10. Yes, provided the saddle connection meets or exceeds the requirements of the Specifications for saddle connection.
- Q11. *The specs ask for gray pipe, but the pipe manufacturer will not quote gray pipe due to pipe quantities being less than the required production run. May we quote black pipe?*
A11. Per Section 207-25 of the Special Provisions, all piping shall have an inner wall of light color.
- Q12. *Regarding the HDPE pipe, what type of pipe size of HDPE are you requiring, Iron Pipe Size (IPS) or Ductile Iron Pipe Size (DIPS)?*
A12. See A5.
- Q13. *Since the sewer line is mainly aligned beneath the sidewalk on the north side of Glenoaks Boulevard, can the intersections of Orange Grove Avenue, N. Huntington Street, and Fermoore Street be temporarily closed as the connections are made to*

Glenoaks on the northside?

- A13. The above stated intersections may be closed during the actual time of construction and they are to be re-opened at the end of each day. Unless otherwise approved, only one intersection may be closed at any one time. Contractor to provide detour plans for approval.
- Q14. *What construction set-up would be acceptable at the intersection of Glenoaks Boulevard and Harding Avenue?*
- A14. A minimum of one lane in each direction shall be maintained at all times with advanced notification of lane reduction and alternate detours. No permanent lane closures will be allowed.
- Q15. *On Harding Avenue, will the City allow the contractor to close the street to thru traffic but allow residents access to their street and driveway?*
- A15. No. See A14.
- A16. *Will the City allow the contractor to close access to residential driveways during construction time?*
- A16. Yes, but with proper advanced notification. All driveway access shall be open at the end of each day.

Indicate the receipt of Addendum 3 on Page P-3 of the Contractor's Proposal. **FAILURE TO DO SO WILL RENDER YOUR BID NON-RESPONSIVE.**

Approved by:



Yazdan Emrani, P.E.
Director of Public Works/City Engineer

**Per Addendum No. 3
BID SCHEDULE**

**GLENOAKS BOULEVARD SEWER AND WATER
IMPROVEMENT PROJECT
Job No. 7608, Plan No. P-730**

BID SCHEDULE "A"

| ITEM NO. | DESCRIPTION | UNIT | ESTIMATED QUANTITY | UNIT PRICE | ITEM TOTAL |
|-------------------------------|--|-------------|---------------------------|-------------------|-------------------|
| 1 | Provide Construction Survey | LS | 1 | \$ | \$ |
| 2 | Re-establish Survey Monuments | EA | 3 | \$ | \$ |
| 3 | Construct 15" VCP Sewer (OPEN TRENCH) Sta 10+00 to Sta 19+65 Glenoaks Blvd | LF | 965 | \$ | \$ |
| 4 | Construct 15" VCP Sewer (OPEN TRENCH) Sta 19+65 to Sta 22+64 Glenoaks Blvd | LF | 298 | \$ | \$ |
| 5 | Remove & Construct 15" VCP Sewer (OPEN TRENCH) Sta 22+64 to Sta 23+14 Glenoaks Blvd | LF | 50 | \$ | \$ |
| 6 | Construct 18" VCP Sewer (OPEN TRENCH) Sta 10+00 to Sta 13+46 Harding Ave | LF | 346 | \$ | \$ |
| 7 | Remove & Construct 18" VCP Sewer (OPEN TRENCH) Sta 13+46 to Sta 13+58 Harding Ave | LF | 13 | \$ | \$ |
| 8 | Construct 18" VCP Sewer (OPEN TRENCH) Sta 13+58 to Sta 23+10 Harding Ave | LF | 952 | \$ | \$ |
| 9 | Construct Precast Concrete Manhole per SPPWC Std Plan 200-3 | EA | 1 | \$ | \$ |
| 10 | Reconnect Sewer lateral per SPPWC Std Plan 222-2 (pit required) | EA | 40 | \$ | \$ |
| 11 | Modify MH base and seal pipe joins, conform to SPPWC Std Plan 208-2 | EA | 10 | \$ | \$ |
| 12 | Perform CCTV inspection (final) | LF | 2,624 | \$ | \$ |
| 13 | Install Sewer Bypass system | LS | 1 | \$ | \$ |
| 14 | Repair Broken Sewer Tap | LS | 1 | \$ | \$ |
| 15 | Install 1" Water Service & City Furnished Meter per City Standard Plate No. 19 | EA | 2 | \$ | \$ |
| 16 | Install 3/4" Water Service & City Furnished Meter per City Standard Plate No. 19 | EA | 1 | \$ | \$ |
| 17 | Provide Traffic Control Plan and Traffic Control (3% max of the total bid amount). | LS | 1 | \$ | \$ |
| BID SCHEDULE "A" TOTAL | | | | | \$ |

BID SCHEDULE "B" – ADDITIVE ALTERNATIVE

| ITEM NO. | DESCRIPTION | UNIT | ESTIMATED QUANTITY | UNIT PRICE | ITEM TOTAL |
|-------------------------------|--|-------------|---------------------------|-------------------|-------------------|
| 4A | Construct 15" HDPE Sewer (PIPE BURST) Sta 19+65 Sta 22+64 Glenoaks Blvd | LF | 298 | \$ | \$ |
| 5A | Remove & Construct 15" HDPE Sewer (PIPE BURST) Sta 22+64 to Sta 23+14 Glenoaks Blvd | LF | 50 | \$ | \$ |
| 6A | Construct 18" HDPE Sewer (PIPE BURST) Sta 10+00 to Sta 13+46 Harding Ave | LF | 346 | \$ | \$ |
| 7A | Remove & Construct 18" HDPE Sewer (PIPE BURST) Sta 13+46 to Sta 13+58 Harding Ave | LF | 13 | \$ | \$ |
| 8A | Construct 18" HDPE Sewer (PIPE BURST) Sta 13+58 to Sta 23+10 Harding Ave | LF | 952 | \$ | \$ |
| BID SCHEDULE "B" TOTAL | | | | | \$ |

Grand Total (Schedule "A"+ Schedule "B") \$_____

In case of any discrepancy between unit prices and item totals, the unit prices shall prevail. In case of any discrepancy between item totals and grant total, the grand total shall prevail. The grand total will be subject to adjustment by the City in the event of any discrepancy. The contract award shall be made on the basis of the grand total as described above from among the responsive and responsible bidders. The City reserves the right to delete Schedule "B" at the time of contract award. If the City chooses to delete Schedule "B", no bid price adjustment to Schedule "A" will be allowed.

For Bid Items 4, 5, 6, 7, and 8 and their alternative Bid Items 4A, 5A, 6A, 7A, and 8A, the City reserves the right to award any of these bid items in any combination between Schedule "A" and Schedule "B" and no price adjustment to bid items will be allowed.

The bidder acknowledges receipt of the following addendum issued for the above project. If no addendum has been received, write "None". FAILURE TO ACKNOWLEDGE RECEIPT OF ANY ADDENDA ISSUED WILL RENDER THE CONTRACTOR'S BID NON-RESPONSIVE.

List of Addendum Received:_____

The City does not expressly or by implication agree that the actual amount of work will correspond with the foregoing quantities but reserves the right to increase or decrease the amount of any class or portion of the work or to omit portions of the work as may be deemed necessary or advisable by the Engineer.

The bidder further agrees that in case of not executing the required contract with necessary bonds within ten (10) days, not including Sundays, after having received notice that the contract is ready for signature, the proceeds of the check or bond accompanying his bid shall become the property of the City of San Fernando.

By submission of the Contractor's Proposal, the bidder also certifies that the bid is a balanced bid.

BID ITEM DESCRIPTIONS

GENERAL

The Contract payment for the specified items of work as set forth in the Bid Schedules shall be full compensation for furnishing all labor, materials, methods or processes, implements, tools, equipment and incidentals and for doing all work involved as required by the provisions of the Contract Documents for a complete in place and operational system.

- A. Unless otherwise specified in the Specifications, quantities of work shall be determined per each, or from measurements or dimensions in a horizontal plane. All materials shall be measured on the basis of "in place" quantities and paid for using the units listed in the bid schedule.
- B. Except as noted, the Engineer will make field measurements of unit price items in order to determine the quantities of the various items as a basis for payment. On all unit price items, the contractor will be paid for the actual amount of the work performed in accordance with the contract documents, as computed from field measurements.
- C. Work or quantities not listed in the description of bid items are considered incidental to other construction and will not be separately measured or paid for. Compensation for such work and/or material shall be included in the prices paid for other items of work.

BID ITEMS: BID SCHEDULE "A"

Bid Item 1 - Provide Construction Survey: Payment for this item shall include full compensation for all labor, materials, tools, equipment and incidentals required to provide construction survey as noted on the specifications. This bid item will be paid for per Lump Sum.

Bid Item 2 - Re-establish Monuments: Payment for this item shall include full compensation for all labor, materials, tools, equipment and incidentals required to re-establish existing monuments as noted on the plans and in the specifications. This bid item will be paid for per Each.

Bid Item 3 – Construct 15" VCP Sewer (OPEN TRENCH) Sta 10+00 to Sta 19+65

Glenoaks Blvd: The price per linear foot (LF) for pipe and conduit in place shall be considered full compensation for all wyes, tees, bends; the removal of interfering portions of existing sewers; the removing and disposal of abandoned conduit and structures; the excavation of the trench; shoring or sheeting or shielding; potholing; the control for ground and surface waters; the preparation of sub-grade; potholing; placing and joining pipe; bedding, backfilling (including anchor blocks, slope anchors and backfill stabilizers) and compacting the trench; temporary resurfacing; removal and replacement of interfering surface improvements (including but not limited to saw cutting and removal of permanent AC pavement, the removal and replacement of PCC pavement, stamped concrete, concrete pavers, brick pavers, hard-scape, irrigation, landscape, drainage facilities, planters, driveway pavement, gates and fences); replacement of any pavement markers and striping; temporary by-passing of utility services; cleanup; and all other work necessary to install the pipe or conduit, complete in place.

Pipe shall be measured along the longitudinal axis between the ends as laid, shall include the actual pipe in place and shall exclude the inside dimensions of the Manholes.

Replacement and modification of the Manhole inverts and bottoms shall be considered as part Bid Item 11 Modify MH base and seal pipe joins, conform to SPPWC Std Plan 208-2, and no additional compensation will be allowed.

Bid Item 4 – Construct 15" VCP Sewer (OPEN TRENCH) Sta 19+65 to Sta 22+64

Glenoaks Blvd: The price per linear foot (LF) for pipe and conduit in place shall be considered full compensation for all wyes, tees, bends; the removal of interfering portions of existing sewers; the removing and disposal of abandoned conduit and structures; the excavation of the trench; shoring or sheeting or shielding; potholing; the control for ground and surface waters; the preparation of sub-grade; potholing; placing and joining pipe; bedding, backfilling (including anchor blocks, slope anchors and backfill stabilizers) and compacting the trench; temporary resurfacing; removal and replacement of interfering surface improvements (including but not limited to saw cutting and removal of permanent AC pavement, the removal and replacement of PCC pavement, stamped concrete, concrete pavers, brick pavers, hard-scape, irrigation, landscape, drainage facilities, planters, driveway pavement, gates and fences); replacement of any pavement markers and striping; temporary by-passing of utility services; cleanup; and all other work necessary to install the pipe or conduit, complete in place.

Pipe shall be measured along the longitudinal axis between the ends as laid, shall include the actual pipe in place and shall exclude the inside dimensions of the Manholes.

Replacement and modification of the Manhole inverts and bottoms shall be considered as part Bid Item 11 Modify MH base and seal pipe joins, conform to SPPWC Std Plan 208-2, and no additional compensation will be allowed.

Bid Item 5 – Remove & Construct 15" VCP Sewer (OPEN TRENCH) Sta 22+64 to Sta 23+14

Glenoaks Blvd: The price per linear foot (LF) for pipe and conduit in place shall be considered full compensation for all wyes, tees, bends; the removal of interfering portions of existing sewers; the removing and disposal of abandoned conduit and structures; the excavation of the trench; shoring or sheeting or shielding; potholing; the control for ground and surface waters; the preparation of sub-grade; potholing; placing and joining pipe; bedding, backfilling (including anchor blocks, slope anchors and backfill stabilizers) and compacting the trench; temporary resurfacing; removal and replacement of interfering surface improvements (including but not limited to saw cutting and removal of permanent AC pavement, the removal and replacement of PCC pavement, stamped concrete, concrete pavers, brick pavers, hard-scape, irrigation, landscape, drainage facilities, planters, driveway pavement, gates and fences); replacement of any pavement markers and striping; temporary by-passing of utility services; cleanup; and all other work necessary to install the pipe or conduit, complete in place.

Pipe shall be measured along the longitudinal axis between the ends as laid, shall include the actual pipe in place and shall exclude the inside dimensions of the Manholes.

Replacement and modification of the Manhole inverts and bottoms shall be considered as part Bid Item 11 Modify MH base and seal pipe joins, conform to SPPWC Std Plan 208-2, and no additional compensation will be allowed.

Bid Item 6 – Construct 18" VCP Sewer (OPEN TRENCH) Sta 10+00 to Sta 13+46

Harding Ave: The price per linear foot (LF) for pipe and conduit in place shall be considered full compensation for all wyes, tees, bends; the removal of interfering portions of existing sewers; the removing and disposal of abandoned conduit and structures; the excavation of the trench; shoring or sheeting or shielding; potholing; the control for ground and surface waters; the preparation of sub-grade; potholing; placing and joining pipe; bedding, backfilling (including anchor blocks, slope anchors and backfill stabilizers) and compacting the trench; temporary resurfacing; removal and replacement of interfering surface improvements (including but not limited to saw cutting and removal of permanent AC pavement, the removal and replacement of PCC pavement, stamped concrete, concrete pavers, brick pavers, hard-scape, irrigation, landscape, drainage facilities, planters, driveway pavement, gates and fences); replacement of any pavement markers and striping; temporary by-passing of utility services; cleanup; and all other work necessary to install the pipe or conduit, complete in place.

Pipe shall be measured along the longitudinal axis between the ends as laid, shall include the actual pipe in place and shall exclude the inside dimensions of the Manholes.

Replacement and modification of the Manhole inverts and bottoms shall be considered as part Bid Item 11 Modify MH base and seal pipe joins, conform to SPPWC Std Plan 208-2, and no additional compensation will be allowed.

Bid Item 7 – Remove & Construct 18" VCP Sewer (OPEN TRENCH) Sta 13+46 to Sta 13+58 Harding Ave:

The price per linear foot (LF) for pipe and conduit in place shall be considered full compensation for all wyes, tees, bends; the removal of interfering portions of existing sewers; the removing and disposal of abandoned conduit and structures; the excavation of the trench; shoring or sheeting or shielding; potholing; the control for ground and surface waters; the preparation of sub-grade; potholing; placing and joining pipe; bedding, backfilling (including anchor blocks, slope anchors and backfill stabilizers) and compacting the trench; temporary resurfacing; removal and replacement of interfering surface improvements (including but not limited to saw cutting and removal of permanent AC pavement, the removal and replacement of PCC pavement, stamped concrete, concrete pavers, brick pavers, hard-scape, irrigation, landscape, drainage facilities, planters, driveway pavement, gates and fences); replacement of any pavement markers and striping; temporary by-passing of utility services; cleanup; and all other work necessary to install the pipe or conduit, complete in place.

Pipe shall be measured along the longitudinal axis between the ends as laid, shall include the actual pipe in place and shall exclude the inside dimensions of the Manholes.

Replacement and modification of the Manhole inverts and bottoms shall be considered as part Bid Item 11 Modify MH base and seal pipe joins, conform to SPPWC Std Plan 208-2, and no additional compensation will be allowed.

Bid Item 8 – Construct 18" VCP Sewer (OPEN TRENCH) Sta 13+58 to Sta 23+10

Harding Ave: The price per linear foot (LF) for pipe and conduit in place shall be considered full compensation for all wyes, tees, bends; the removal of interfering portions of existing sewers; the removing and disposal of abandoned conduit and structures; the excavation of the trench; shoring or sheeting or shielding; potholing; the control for ground and surface waters; the preparation of sub-grade; potholing; placing and joining pipe; bedding, backfilling (including

anchor blocks, slope anchors and backfill stabilizers) and compacting the trench; temporary resurfacing; removal and replacement of interfering surface improvements (including but not limited to saw cutting and removal of permanent AC pavement, the removal and replacement of PCC pavement, stamped concrete, concrete pavers, brick pavers, hard-scape, irrigation, landscape, drainage facilities, planters, driveway pavement, gates and fences); replacement of any pavement markers and striping; temporary by-passing of utility services; cleanup; and all other work necessary to install the pipe or conduit, complete in place.

Pipe shall be measured along the longitudinal axis between the ends as laid, shall include the actual pipe in place and shall exclude the inside dimensions of the Manholes.

Replacement and modification of the Manhole inverts and bottoms shall be considered as part Bid Item 11 Modify MH base and seal pipe joins, conform to SPPWC Std Plan 208-2, and no additional compensation will be allowed.

Bid Item 9 – Construct Precast Concrete Manhole per SPPWC Std Plan 200-3: This item shall be paid for at the contract unit price per Each (EA). The contract price per each shall include all labor, materials, equipment, and tools necessary to perform the work, complete in place, and no additional compensation will be made therefor.

Bid Item 10 – Reconnect Sewer lateral per SPPWC Std Plan 222-2 (Pit Required): The contract unit price for Reconnect Sewer Lateral shall include all materials, labor, equipment, and supplies necessary for the complete installation, including replacement of up to six (6) feet of existing service lateral for external connections, removing and reconstruction 4-inch PCC sidewalk, restoration of existing landscaping and irrigation system, complete, in place, and accepted, and no additional compensation shall be allowed therefor.

Bid Item 11 – Modify MH base and seal pipe joins, conform to SPPWC Std Plan 208-2: Payment for manhole construction will be made per each (EA) manhole installed or modified as set forth in the Bid Schedule. Payment shall include compensation for furnishing all labor, materials, tools, and equipment necessary to construct or modify existing manholes. Items shall include covers, rims, collars, cone and draft sections, bases, steps, water sealers (if applicable), temporary line stopping or flow diversions (if necessary), backfilling, compacting, basing and paving around the manhole, and other work or appurtenances as shown on the plans and drawings complete in place.

Bid Item 12 – Perform CCTV inspection (Final): This item shall be paid for at the contract unit price per Linear Foot (LF) and shall include all labor, materials, equipment, and tools necessary to perform the work and no additional compensation will be made therefor. Measurement may be made on either the footage counter of the tape, or the footage counter on the cable, and shall be based on the actual length of pipe televised.

Bid Item 13 – Install Sewer Bypass System: Payment for this item shall be at the contract bid price per Lump Sum (LS) and shall be complete per plan including all appurtenances and related materials for installation of sewer bypass system and no other payment shall be made therefore.

Bid Item 14 – Repair Broken Sewer Tap: Payment for this item shall be at the contract bid price per Lump Sum (LS) and shall be complete per plan including all appurtenances and related materials for repair of broken sewer tap and no other payment shall be made therefore.

Bid Item 15 – Install 1" Water Service & Meter per City Standard Plate No. 19: Payment for this item shall include full compensation for all labor, materials, tools, equipment and incidentals required for constructing 1" Water Services in accordance with the plans, specifications and City Standard Plate No. 19. Included in this bid item shall be all excavation, trench preparation, pneumatic piercing/horizontal directional drilling, bedding, fittings, backfill, compaction, testing, disinfection, connection to new/existing water meter inside new/existing meter box, and other work required to result in a complete and operating water service. Where new water meters and water meter boxes are indicated on the plans, or as directed by the Engineer, the City will provide the new meter and meter box to the Contractor at no cost. This bid item will be paid for Per Each.

Bid Item 16 – Install 3/4" Water Service & Meter per City Standard Plate No. 19: Payment for this item shall include full compensation for all labor, materials, tools, equipment and incidentals required for constructing 3/4" Water Services in accordance with the plans, specifications and City Standard Plate No. 19. Included in this bid item shall be all excavation, trench preparation, pneumatic piercing/horizontal directional drilling, bedding, fittings, backfill, compaction, testing, disinfection, connection to new/existing water meter inside new/existing meter box, and other work required to result in a complete and operating water service. Where new water meters and water meter boxes are indicated on the plans, or as directed by the Engineer, the City will provide the new meter and meter box to the Contractor at no cost. This bid item will be paid for Per Each.

Bid Item 17 – Provide Traffic Control Plan and Traffic Control (3% Max of the Total Bid Amount): Payment for this item shall include full compensation for all labor, materials, tools, equipment and incidentals required to place, remove, store, maintain, move to new locations, replace, and remove the components of the traffic control system, including stationary mounted construction area signs, solar powered arrow boards, changeable message signs, as well as flagging and temporary traffic delineators/stripping for the project in accordance with of these Specifications. This bid item will be paid for by Lump Sum, prorated, based on percentage of contract work completed.

BID ITEMS: BID SCHEDULE "B"

Bid Item 4A – Construct 15" HDPE Sewer (PIPE BURST) Sta 19+65 to Sta 22+64

Glenoaks Blvd: Pipeline construction items of work will be paid at the contract unit price per foot installed of the pipe specified, and shall include full compensation for furnishing all labor, materials, tools, equipment and back up equipment necessary for pipe bursting, pipe placement; transportation and technical competence, saw cutting, excavation, shoring and backfilling per the manufacturers' instructions and/or per the Contract Documents; replacement of any pavement markers and striping; temporary by-passing of other utility services; cleanup, off-site disposal of all refuse and excess material; de-watering as necessary, shoring, temporary and permanent restoration of surfaces and pavement and all appurtenant work.

Pipe shall be measured along the longitudinal axis between the ends as laid, shall include the actual pipe in place and shall exclude the inside dimensions of the Manholes.

Replacement and modification of the Manhole inverts and bottoms shall be considered as part Bid Item 11 Modify MH base and seal pipe joins, conform to SPPWC Std Plan 208-2, and no additional compensation will be allowed.

Bid Item 5A – Remove & Construct 15" HDPE Sewer (PIPE BURST) Sta 22+64 to Sta 23+14 Glenoaks Blvd: Pipeline construction items of work will be paid at the contract unit price per foot installed of the pipe specified, and shall include full compensation for furnishing all labor, materials, tools, equipment and back up equipment necessary for pipe bursting, pipe placement; transportation and technical competence, saw cutting, excavation, shoring and backfilling per the manufacturers' instructions and/or per the Contract Documents; replacement of any pavement markers and striping; temporary by-passing of other utility services; cleanup, off-site disposal of all refuse and excess material; de-watering as necessary, shoring, temporary and permanent restoration of surfaces and pavement and all appurtenant work.

Pipe shall be measured along the longitudinal axis between the ends as laid, shall include the actual pipe in place and shall exclude the inside dimensions of the Manholes.

Replacement and modification of the Manhole inverts and bottoms shall be considered as part Bid Item 11 Modify MH base and seal pipe joins, conform to SPPWC Std Plan 208-2, and no additional compensation will be allowed.

Bid Item 6A – Construct 18" HDPE Sewer (PIPE BURST) Sta 10+00 to Sta 13+46 Harding Ave: Pipeline construction items of work will be paid at the contract unit price per foot installed of the pipe specified, and shall include full compensation for furnishing all labor, materials, tools, equipment and back up equipment necessary for pipe bursting, pipe placement; transportation and technical competence, saw cutting, excavation, shoring and backfilling per the manufacturers' instructions and/or per the Contract Documents; replacement of any pavement markers and striping; temporary by-passing of other utility services; cleanup, off-site disposal of all refuse and excess material; de-watering as necessary, shoring, temporary and permanent restoration of surfaces and pavement and all appurtenant work.

Pipe shall be measured along the longitudinal axis between the ends as laid, shall include the actual pipe in place and shall exclude the inside dimensions of the Manholes.

Replacement and modification of the Manhole inverts and bottoms shall be considered as part Bid Item 11 Modify MH base and seal pipe joins, conform to SPPWC Std Plan 208-2, and no additional compensation will be allowed.

Bid Item 7A – Remove & Construct 18" HDPE Sewer (PIPE BURST) Sta 13+46 to Sta 13+58 Harding Ave: Pipeline construction items of work will be paid at the contract unit price per foot installed of the pipe specified, and shall include full compensation for furnishing all labor, materials, tools, equipment and back up equipment necessary for pipe bursting, pipe placement; transportation and technical competence, saw cutting, excavation, shoring and backfilling per the manufacturers' instructions and/or per the Contract Documents; replacement of any pavement markers and striping; temporary by-passing of other utility services; cleanup, off-site disposal of all refuse and excess material; de-watering as necessary, shoring, temporary and permanent restoration of surfaces and pavement and all appurtenant work.

Pipe shall be measured along the longitudinal axis between the ends as laid, shall include the actual pipe in place and shall exclude the inside dimensions of the Manholes.

Replacement and modification of the Manhole inverts and bottoms shall be considered as part Bid Item 11 Modify MH base and seal pipe joins, conform to SPPWC Std Plan 208-2, and no additional compensation will be allowed.

Bid Item 8A – Construct 18" HDPE Sewer (PIPE BURST) Sta 13+58 to Sta 23+10

Harding Ave: Pipeline construction items of work will be paid at the contract unit price per foot installed of the pipe specified, and shall include full compensation for furnishing all labor, materials, tools, equipment and back up equipment necessary for pipe bursting, pipe placement; transportation and technical competence, saw cutting, excavation, shoring and backfilling per the manufacturers' instructions and/or per the Contract Documents; replacement of any pavement markers and striping; temporary by-passing of other utility services; cleanup, off-site disposal of all refuse and excess material; de-watering as necessary, shoring, temporary and permanent restoration of surfaces and pavement and all appurtenant work.

Pipe shall be measured along the longitudinal axis between the ends as laid, shall include the actual pipe in place and shall exclude the inside dimensions of the Manholes.

Replacement and modification of the Manhole inverts and bottoms shall be considered as part Bid Item 11 Modify MH base and seal pipe joins, conform to SPPWC Std Plan 208-2, and no additional compensation will be allowed.