

ADDENDUM NUMBER 1

PROJECT: Las Vegas Water Line Replacement Design 8th Street and Hospital/Chico Drive

OWNER: City of Las Vegas

ENGINEER: Wayland Oliver, P.E. OEI now Stantec, 1601 Camino Del Coronado, Tukumcari NM 88401

DATE: June 15th, 2018

BID OPENING DATE: June 27th, 2018 **TIME:** 2:00PM

THE FOLLOWING CHANGES SHALL BE MADE IN THE BID DOCUMENTS.

BID DOCUMENT	SECTION	DESCRIPTION
Front End Documents	Bid Proposal	Replace: The bid proposal included in the front-end documents with the attached bid proposal dated June 15, 2018. The method of award has been revised.
Front End Documents	Specification 31 23 19	Replace: Section 31 23 19 with the attached Section 31 23 19. The Payment Provisions for the Dewatering Allowance have been revised.
Plans and Front End Documents	Sheet 1-5	Add: Rocky Digging to the "List of Incidentals" per Section 21 23 19.
Plans and Front End Documents	All	Clarification: The permanent easement through the Hospital Field area is 15' wide. The contractor is asked to keep the existing line live during construction and offset the new line approximately 4' away. Frequent potholing (incidental) will be needed to determine the direction of offset etc. The City of Las Vegas will obtain and provide a temporary construction easement for construction purposes.
Plans and Front End Documents	Line Item 21: Asphalt Patching	Clarification: The asphalt patching line item will follow NMDOT 2014 <i>Standard Specifications for Highway and Bridge Construction</i> for Minor Paving.
		Clarification: Construction water can be purchased from the City of Las Vegas at \$7.88/ 1000 Gallons.

Wayland Oliver, PE

Occam Engineers Inc. now Stantec

6/15/18

CONTRACTORS NAME:
CONTRACTORS LICENSE #:

(PLEASE TYPE OR PRINT)

PLEASE DO NOT RETYPE BID PROPOSAL - AN ELECTRONIC VERSION WILL BE PROVIDED UPON REQUEST.

**LAS VEGAS WATERLINE REPLACEMENT
DESIGN 8TH STREET AND HOSPITAL/CHICO DRIVE
OEI PROJECT #LVS1706X**

BID PROPOSAL

Bidder agrees to perform all of the work in said project, described in the Specifications and shown on the Plans for the following Unit Prices.

(Unit Bid Price Amounts are to be shown in figures and Total Amounts are to be shown in words and figures. In case of discrepancy the amount shown in words shall govern. In the event that either the price written in words or the price written in numerically is inadvertently omitted, the unit bid price shown for that item shall govern. The Unit Price below shall include all labor, materials, bailing, shoring, removal, overhead, profit, insurance, etc., to cover the finished work of the several kinds called for.)

BID LOT #1 - 8TH ST.

ITEM #	QUANTITY	UNIT	DESCRIPTION	UNIT BID PRICE	TOTAL
1	2050	L.F.	8" PVC C-900 PRESSURE PIPE	(\$ _____)	(\$ _____) Dollars and Cents \$
3	40	L.F.	JACK & BORE 14" STEEL SCHEDULE 40 PIPE CASING	(\$ _____)	(\$ _____) Dollars and Cents \$
5	4	EA.	8" X 4" REDUCER	(\$ _____)	(\$ _____) Dollars and Cents \$
6	6	EA.	8" X 6" REDUCER	(\$ _____)	(\$ _____) Dollars and Cents \$
7	11	EA.	8" X 8" X 8" TEE	(\$ _____)	(\$ _____) Dollars and Cents \$
8	16	EA.	45° ELL 8"	(\$ _____)	(\$ _____) Dollars and Cents \$
9	2	EA.	90° ELL 8"	(\$ _____)	(\$ _____) Dollars and Cents \$
13	1	EA.	FIRE HYDRANT ASSEMBLY	(\$ _____)	(\$ _____) Dollars and Cents \$

TOTAL THIS PAGE:

\$ _____

BID LOT #1 - 8TH ST.

ITEM #	QUANTITY	UNIT	DESCRIPTION	UNIT BID PRICE	TOTAL
14	130	L.F.	CONCRETE ENCASEMENT OF WATERLINE	(\$ _____)	(\$ _____) Dollars and Cents \$
16	33	EA.	WATER VALVE ASSEMBLY 8"	(\$ _____)	(\$ _____) Dollars and Cents \$
19	3	EA.	COMBO VALVE ASSEMBLY 2"	(\$ _____)	(\$ _____) Dollars and Cents \$
21	1318	S.Y.	ASPHALT PATCHING	(\$ _____)	(\$ _____) Dollars and Cents \$
25	13	EA.	CONNECT TO EXIST. MAIN	(\$ _____)	(\$ _____) Dollars and Cents \$
26	20	EA.	CONNECT TO EXIST. SERVICE	(\$ _____)	(\$ _____) Dollars and Cents \$
31	1	L.S.	MOBILIZATION	(\$ _____)	(\$ _____) Dollars and Cents \$
32	1	L.S.	TRAFFIC CONTROL MANAGEMENT & DEVICES	(\$ _____)	(\$ _____) Dollars and Cents \$
33	1	L.S.	CONSTRUCTION STAKING	(\$ _____)	(\$ _____) Dollars and Cents \$
34	1	L.S.	QUALITY ASSURANCE TESTING	(\$ _____)	(\$ _____) Dollars and Cents \$
35	1	L.S.	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	(\$ _____)	(\$ _____) Dollars and Cents \$
36	1	L.S.	SWPPP	(\$ _____)	(\$ _____) Dollars and Cents \$

TOTAL THIS PAGE:

\$ _____

TOTAL BID LOT 1:

\$ _____

BID LOT #2 - HOSPITAL AREA

ITEM #	QUANTITY	UNIT	DESCRIPTION	UNIT BID PRICE	TOTAL
2	1695	L.F.	12" HDPE (DIPS) DR 11 PRESSURE PIPE	(\$ _____)	(\$ _____) Dollars and Cents \$
4	1	EA.	45° ELL 6"	(\$ _____)	(\$ _____) Dollars and Cents \$
10	5	EACH	12" 45 DEG ELL	(\$ _____)	(\$ _____) Dollars and Cents \$
11	4	EACH	12" GATE VALVE ASSEMBLY	(\$ _____)	(\$ _____) Dollars and Cents \$
12	1	EACH	12"X12"X6" TEE	(\$ _____)	(\$ _____) Dollars and Cents \$
15	1	E.A.	WATER VALVE ASSEMBLY 6"	(\$ _____)	(\$ _____) Dollars and Cents \$
16	4	EA.	WATER VALVE ASSEMBLY 8"	(\$ _____)	(\$ _____) Dollars and Cents \$
17	1	EA.	WATER SERVICE ASSEMBLY	(\$ _____)	(\$ _____) Dollars and Cents \$
18	20	L.F.	1" COPPER SERVICE LINE	(\$ _____)	(\$ _____) Dollars and Cents \$
19	2	EA.	COMBO VALVE ASSEMBLY 2"	(\$ _____)	(\$ _____) Dollars and Cents \$
20	2	EA.	FLUSH HYDRANT	(\$ _____)	(\$ _____) Dollars and Cents \$
21	9	S.Y.	ASPHALT PATCHING	(\$ _____)	(\$ _____) Dollars and Cents \$
22	6	L.F.	CURB & GUTTER	(\$ _____)	(\$ _____) Dollars and Cents \$
23	4	SY	SIDEWALK	(\$ _____)	(\$ _____) Dollars and Cents \$
25	3	EA.	CONNECT TO EXIST. MAIN	(\$ _____)	(\$ _____) Dollars and Cents \$

TOTAL THIS PAGE:

\$ _____

BID LOT #2 - HOSPITAL AREA

ITEM #	QUANTITY	UNIT	DESCRIPTION	UNIT BID PRICE	TOTAL
26	2	EA.	CONNECT TO EXIST. SERVICE	(\$ _____)	(\$ _____) Dollars and Cents \$
27	900	L.F.	TYPE I SILT FENCE	(\$ _____)	(\$ _____) Dollars and Cents \$
28	92	L.F.	TYPE II SILT FENCE	(\$ _____)	(\$ _____) Dollars and Cents \$
29	0.75	ACRE	GRASS SEEDING	(\$ _____)	(\$ _____) Dollars and Cents \$
30	\$ 8,000	ALLOW.	DEWATERING ALLOWANCE	(\$ _____)	(\$ _____) Dollars and Cents \$
31	1	L.S.	MOBILIZATION	(\$ _____)	(\$ _____) Dollars and Cents \$
32	1	L.S.	TRAFFIC CONTROL MANAGEMENT & DEVICES	(\$ _____)	(\$ _____) Dollars and Cents \$
33	1	L.S.	CONSTRUCTION STAKING	(\$ _____)	(\$ _____) Dollars and Cents \$
34	1	L.S.	QUALITY ASSURANCE TESTING	(\$ _____)	(\$ _____) Dollars and Cents \$
35	1	L.S.	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	(\$ _____)	(\$ _____) Dollars and Cents \$
36	1	L.S.	SWPPP	(\$ _____)	(\$ _____) Dollars and Cents \$
37	8	EA.	CARSONITE MARKERS	(\$ _____)	(\$ _____) Dollars and Cents \$

TOTAL THIS PAGE:

\$ _____

TOTAL BID LOT 2:

\$ _____

BID LOT #3 - SERVICES

ITEM #	QUANTITY	UNIT	DESCRIPTION	UNIT BID PRICE	TOTAL
17	20	EA.	WATER SERVICE ASSEMBLY	(\$ _____)	(\$ _____) Dollars and Cents \$
18	988	L.F.	1" COPPER SERVICE LINE	(\$ _____)	(\$ _____) Dollars and Cents \$
21	70	S.Y.	ASPHALT PATCHING	(\$ _____)	(\$ _____) Dollars and Cents \$
22	45	L.F.	CURB & GUTTER	(\$ _____)	(\$ _____) Dollars and Cents \$
23	28	SY	SIDEWALK	(\$ _____)	(\$ _____) Dollars and Cents \$
24	800	L.F.	4" SERVICE BORES	(\$ _____)	(\$ _____) Dollars and Cents \$
31	1	L.S.	MOBILIZATION	(\$ _____)	(\$ _____) Dollars and Cents \$
32	1	L.S.	TRAFFIC CONTROL MANAGEMENT & DEVICES	(\$ _____)	(\$ _____) Dollars and Cents \$
33	1	L.S.	CONSTRUCTION STAKING	(\$ _____)	(\$ _____) Dollars and Cents \$
34	1	L.S.	QUALITY ASSURANCE TESTING	(\$ _____)	(\$ _____) Dollars and Cents \$
33	1	L.S.	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	(\$ _____)	(\$ _____) Dollars and Cents \$

TOTAL BID LOT 3:

\$ _____

ADDENDUM #1 6/15/18

 BID LOT #3
 5 of 6

BID SUMMARY

TOTAL OF BID LOT #1 8th Street (\$ _____)

TOTAL OF BID LOT 2 Hospital Area (\$ _____)

TOTAL OF BID LOT #3 Services (\$ _____)

TOTAL PROJECT COST (\$ _____)

BID LOTS MAY BE AWARDED IN ANY COMBINATION DEEMED IN THE BEST INTEREST OF THE OWNER.
THE LOWEST BIDDER WILL BE DETERMINED BY THE LOWEST BID PROVIDED FOR THE COMBINATION OF BID LOTS DEEMED IN THE BEST INTEREST OF THE OWNER. CONTRACTOR MUST BID ON ALL OF THE BID LOTS.

THE OWNER RESERVES THE RIGHT TO SELECT ANY OR ALL OF THE BID LOTS.

FOR EXAMPLE : ANY ONE OR COMBINATION OF BID LOTS MAY BE AWARDED TO THE CONTRACTOR.

OTHER CONTRACTORS THAT MAY HAVE A LOWER BID IN A PARTICULAR BID LOT MAY NOT PROTEST THAT THEY WERE NOT AWARDED THAT BID LOT, IF THEIR BID WAS NOT DETERMINED TO BE THE LOWEST FOR THE SELECTED COMBINATION OF BID LOTS.

Title

Date

Contractors License #

NM Workforce Solutions Registration #

[SEAL - if bid is by a corporation]

Attest

Dunns#

SECTION 31 23 19

DEWATERING

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes:
1. Dewatering system.
 2. Surface water control system.
 3. Monitoring wells.
 4. System operation and maintenance.
 5. Water disposal.

1.2 UNIT PRICE - MEASUREMENT AND PAYMENT

- A. Dewatering Pumps:
1. Basis of Measurement: As an allowance not to exceed \$8,000.
 2. Basis of Payment: Includes sump(s), pump(s), power unit, fuel, discharge system, connections, fittings, pump operation and maintenance, monitoring, grading, maintenance of excavation necessary for operation, and erosion/sediment control as necessary.
 3. Payment will include \$1000 for plan, set up, maintain, and breakdown of the dewatering system.
 4. Payment will include pump operation of \$110/hr based on equipment hour meter plus \$15/hr per additional pump based on its meter. A maximum total of \$1200/day will be allowed for continuous operation of the complete dewatering system.
 5. Hourly equipment rates include labor attendance to the dewatering operation and all other items necessary for dewatering operation as listed in Basis of Payment above.

1.3 DEFINITIONS

- A. Dewatering includes the following:
1. Lowering of ground water table and intercepting horizontal water seepage to prevent ground water from entering excavation.
 2. Reducing piezometric pressure within strata to prevent failure or heaving of excavation.
 3. Disposing of removed water.
- B. Surface Water Control: Removal of surface water within open excavations.

1.4 SYSTEM DESCRIPTION

- A. Provide dewatering and surface water control systems to permit Work to be completed on dry and stable subgrade.
1. Install dewatering pumps to dewater and relieve hydrostatic pressure within work area around excavation to a depth of 6 foot below original ground. Or 2' below design pipe invert; whichever is greater.

2. Install monitoring well or observation point to observe ground water conditions at elevation 6 foot below original ground. Or 2' below design pipe invert; whichever is greater.

1.5 SUBMITTALS

- A. Section 01 33 00 - Submittal Procedures: Requirements for submittals.
- B. Shop Drawings
 1. Indicate dewatering system layout, well depths, dewatering pump locations, pipe sizes and capacities, grades, filter sand gradations, surface water control devices, valves, and water disposal method and location.
 2. Indicate primary power system location and capacity.
 3. Indicate layout and depth of monitoring wells, piezometers and flow measuring devices for system performance measurement.
 4. Include detailed description of dewatering and monitoring system installation procedures and maintenance of equipment.
 5. Include description of emergency procedures to follow when problems arise.
- C. Product Data: Submit data for each of the following:
 1. Dewatering Pumps: Indicate sizes, capacities, priming method.
 2. Pumping equipment for control of surface water within excavation.
- D. Design Data:
 1. Indicate design values, analyses, and calculations to support design.
 2. Include description and profile of geology, soil, and groundwater conditions.
- E. Field Reports: Test and monitoring reports as specified in Field Quality Control article.

1.6 CLOSEOUT SUBMITTALS

- A. Section 01 70 00 - Execution and Closeout Requirements: Requirements for submittals.
- B. Project Record Documents: Record actual locations and depths of capped wells and piping abandoned in place.

1.7 QUALIFICATIONS

- A. Installer: Company specializing in performing work of this section with minimum 3 years of experience and responsible for design, operation, and maintenance of dewatering system.
 1. Assume sole responsibility for dewatering and surface water control systems and for loss or damage resulting from partial or complete failure of protective measures and settlement or resultant damage caused by ground water control operations.
- B. Design, install, and monitor operation of dewatering .

1.8 COORDINATION

- A. Section 01 30 00 - Administrative Requirements: Requirements for coordination.
- B. Coordinate work to permit manhole sealing operations to be completed on dry stable substrate.

PART 2 PRODUCTS

2.1 DEWATERING EQUIPMENT

- A. Dewatering and Surface Water Pumps: minimum rated capacity of 100 gpm at 20 feet total dynamic head.
 - 1. Furnish pumps with screened suction hose and discharge hoses as required to suit application.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Section 01 30 00 - Administrative Requirements: Verification of existing conditions before starting work.

3.2 SURFACE WATER CONTROL SYSTEM

- A. Provide ditches, berms, and other devices to divert and drain surface water from excavation area.
- B. Divert surface water and seepage water within excavation areas into sumps and pump water into drainage channels or settling basins in accordance with requirements of agencies having jurisdiction.
- C. Control and remove unanticipated water seepage into excavation.

3.3 SYSTEM OPERATION AND MAINTENANCE

- A. Operate dewatering system continuously until required operations within the excavations are complete.
- B. Provide 24-hour supervision of dewatering system by personnel skilled in operation, maintenance, and replacement of system components.
- C. Conduct daily observation of dewatering system and monitoring system. Make required repairs and perform scheduled maintenance.
- D. Fill fuel tanks before tanks reach 25 percent capacity.
- E. Start emergency generators at least twice each week to check operating condition.

- F. When dewatering system cannot control water within excavation, notify Architect/Engineer and stop excavation work.
 - 1. Supplement or modify dewatering system and provide other remedial measures to control water within excavation.
 - 2. Demonstrate dewatering system operation complies with performance requirements before resuming excavation operations.
- G. Modify dewatering and surface water control systems when operation causes or threatens to cause damage to new construction, existing site improvements, adjacent property, or adjacent water wells.
- H. Correct unanticipated pressure conditions affecting dewatering system performance.
- I. Do not discontinue dewatering operations without Architect/Engineer's approval.

3.4 WATER DISPOSAL

- A. Discharge water into existing drainage outlet located within 200' of excavation. Include all necessary best management practices as specified by contractor's SWPPP plan.

3.5 SYSTEM REMOVAL

- A. Remove dewatering and surface water control systems after dewatering operations are discontinued.
- B. Repair damage caused by dewatering and surface water control systems or resulting from failure of systems to protect property.

3.6 FIELD QUALITY CONTROL

- A. Section 01 40 00 - Quality Requirements, and Section 01 70 00 - Execution and Closeout Requirements Field inspecting, testing, adjusting, and balancing.
- B. After dewatering system is installed, perform pumping test to determine when selected pumping rate lowers water level in well below pump intake. Adjust pump speed, discharge volume, or both to ensure proper operation of each pump.
- C. Submit initial installation reports including the following:
 - 1. Installation location and size of pumps.
 - 2. Initial dewatering flow rates.
- D. Submit weekly monitoring reports including the following:
 - 1. Dewatering flow rates.
 - 2. Dewatering operation run times per pump.
 - 3. Maintenance records for dewatering and surface water control systems.

END OF SECTION