

DePauli Engineering and Surveying, LLC
 307 S. 4th Street
 Gallup, NM 87301

ENGINEERS ESTIMATE
 CITY OF GALLUP
 NAVAJO GALLUP WATER SUPPLY PROJECT, REACH 27.11
 FUNDED BY THE WATER TRUST BOARD THROUGH THE NEW MEXICO FINANCE
 AUTHORITY, GRANT NO. WPF #5099 AND
 U.S. BUREAU OF RECLAMATION COOPERATIVE AGREEMENT NO. R11AC40002
 FORMAL BID NO. ____
 OCTOBER 2021

LOT 1 - 14" AND 12" WATERLINE CONSTRUCTION

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT PRICE	AMOUNT
1	For 14" Cl. 350 DIP waterline with granular bedding and rock free native backfill complete and in place for the Unit Price per Linear Foot of:	5800 LF	<u>\$145.00</u>	<u>\$841,000.00</u>
2	For 14" Cl. 350 DIP waterline with granular bedding and granular backfill complete and in place for the Unit Price per Linear Foot of:	1500 LF	<u>\$155.00</u>	<u>\$232,500.00</u>
3	For 12" AWWA C900-07 DR18 (Cl. 235) PVC waterline with granular bedding and rock free native backfill complete and in place for the Unit Price per Linear Foot of:	5250 LF	<u>\$85.00</u>	<u>\$446,250.00</u>
4	For 12" AWWA C900-07 DR18 (Cl. 235) PVC waterline with granular bedding and granular backfill complete and in place for the Unit Price per Linear Foot of:	1350 LF	<u>\$90.00</u>	<u>\$121,500.00</u>
5	For Vertical 14" - 11 1/4° or 22 1/2° Ells as conditions require during construction, complete and in place for the Unit Price per Each of:	4 EA	<u>\$1,400.00</u>	<u>\$5,600.00</u>
6	For Vertical 12" - 11 1/4° or 22 1/2° Ells as conditions require during construction, complete and in place for the Unit Price per Each of:	4 EA	<u>\$1,000.00</u>	<u>\$4,000.00</u>
7	For 14" AWWA C515 horizontal resilient wedge gate valves and valve boxes complete and in place for the Unit Price per Each of:	4 EA	<u>\$10,000.00</u>	<u>\$40,000.00</u>
8	For 12" AWWA C509 resilient wedge gate valves with valve boxes complete and in place for the Unit Price per Each of:	16 EA	<u>\$7,000.00</u>	<u>\$112,000.00</u>
9	For gate valve bypass assembly on waterline where called for on project plans as detailed on sheet 5-1, complete and in place for the Unit Price per Each of:	8 EA	<u>\$3,000.00</u>	<u>\$24,000.00</u>

LOT 1 - 14" AND 12" WATERLINE CONSTRUCTION

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT PRICE	AMOUNT
10	For Type 2 air release valve (2" size) assembly on 14" line and manhole complete and in place for the Unit Price per Each of:	10 EA	<u>\$12,500.00</u>	<u>\$125,000.00</u>
11	For Type 2 air release valve (2" size) assembly on 12" line and manhole complete and in place for the Unit Price per Each of:	6 EA	<u>\$12,000.00</u>	<u>\$72,000.00</u>
12	For flush piping assembly on 14"X12" tee or cross, not including gate valve complete and in place for the Unit Price per Each of:	8 EA	<u>\$2,750.00</u>	<u>\$22,000.00</u>
13	For flush piping assembly on 12" tee or cross, not including gate valve complete and in place for the Unit Price per Each of:	4 EA	<u>\$2,600.00</u>	<u>\$10,400.00</u>
14	For Tie-in "A" to existing 14" waterline as detailed not including gate valve complete and in place for the Lump Sum Price of:	LS	<u>\$4,800.00</u>	<u>\$4,800.00</u>
15	For Type 'A' waterline rock excavation and disposal for Unit Price per Cubic Yard of:	1000 CY	<u>\$132.00</u>	<u>\$132,000.00</u>
16	For Type 'B' waterline rock excavation and disposal for Unit Price per Cubic Yard of:	4000 CY	<u>\$90.00</u>	<u>\$360,000.00</u>
17	For drainage crossing construction at Sta. 19+50 including the removal of existing CMPS and replacement with two (2) 36 inch CMPs (60' long each) and required earthwork as shown in plans for the Lump Sum Price of:	LS	<u>\$36,200.00</u>	<u>\$36,200.00</u>
18	For drainage reconfiguration at Sta. 27+00 including required earthwork, and removal and of excess native material as shown in plans for the Lump Sum Price of:	LS	<u>\$48,200.00</u>	<u>\$48,200.00</u>
19	For grade control gabion basket(s) complete and in place for the Unit Price per Cubic Yard of:	1120 CY	<u>\$270.00</u>	<u>\$302,400.00</u>
20	For wire enclosed rip-rap complete and in place for the Unit Price per Square Yard of:	330 SY	<u>\$132.00</u>	<u>\$43,560.00</u>

LOT 1 - 14" AND 12" WATERLINE CONSTRUCTION

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT PRICE	AMOUNT
21	For construction of 12' typical maintenance gravel road as detailed complete and in place for the Unit Price per Linear Foot:	12,000 LF	<u>\$48.00</u>	<u>\$576,000.00</u>
22	For temporary archaeological fencing as shown on project drawings complete and in place for the Unit Price per Linear Foot of:	425 LF	<u>\$8.00</u>	<u>\$3,400.00</u>
23	For single or double panel access road tubular gates in existing wire fences as detailed on project drawings complete and in place for the Unit Price per Each of:	6 EA	<u>\$2,400.00</u>	<u>\$14,400.00</u>
24	For furnishing a hydraulic valve operator and two (2) "T" handle operators, as specified, to the City for the Lump Sum Price of:	LS	<u>\$12,000.00</u>	<u>\$12,000.00</u>
25	For implementation, execution, and maintenance of traffic control. Partial payments to be made in accordance with percent of waterline complete and in place for the Lump Sum Price of:	LS	<u>\$10,000.00</u>	<u>\$10,000.00</u>
26	For materials testing by independent lab for soil, concrete base course, etc. This amount to be used for totaling bid. Actual amount to be based on approved invoice.	ALLOWANCE	<u>\$32,000.00</u>	<u>\$32,000.00</u>
27	For downtime caused by unexpected encounters with historical, archaeological and environmental items for the Unit Price per Hour of:	60 HRS	<u>\$500.00</u>	<u>\$30,000.00</u>

Lot 1 Subtotal: \$3,661,210.00

LOT 2 - METER STATION

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT PRICE	AMOUNT
1	For site clearing, grubbing, earthwork (excavation, embankment, compaction, grading, final dress up, contouring, imported fill), and driveway construction, as detailed complete and in place for the Lump Sum Price of:	LS	<u>\$35,000.00</u>	<u>\$35,000.00</u>
2	For yard piping and drain pad to a point within 5' of buildings including 10" waterline, 2" drain line, valves, fittings, granular bedding and native backfill complete and in place for the Lump Sum Price of:	LS	<u>\$35,000.00</u>	<u>\$35,000.00</u>
3	For meter station building including foundation as detailed complete and in place for the Lump Sum Price of:	LS	<u>\$145,000.00</u>	<u>\$145,000.00</u>

LOT 2 - METER STATION

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT PRICE	AMOUNT
4	For meter station piping including meter, valves, major piping, minor piping and drain lines to a point 5' outside of building with appurtenances as detailed complete and in place for the Lump Sum Price of:	LS	<u>\$36,000.00</u>	<u>\$36,000.00</u>
5	For single phase primary electrical extension and transformer work by the Continental Divide Electric Cooperative (CDEC). This amount is an allowance for totaling bid. Actual amount will be based on approved CDEC invoice:	ALLOWANCE	<u>\$15,879.32</u>	<u>\$15,879.32</u>
6	For meter station secondary electrical complete (SCADA systems equipment and programming not included) including service entrance, weatherhead, electrical meter, disconnect, cabinets, secondary conduit and conductors, lighting, heating, control wiring, communication wiring and appurtenances complete and in place for the Lump Sum Price of:	LS	<u>\$45,000.00</u>	<u>\$45,000.00</u>
7	For furnishing equipment and programming by SKM Inc. as required to make new or revised facilities (meter station) a functional and compatible part of the City's SCADA system for a predetermined price from the City supplier. Payment will be made on approved invoice.	ALLOWANCE	<u>\$33,550.00</u>	<u>\$33,550.00</u>
8	For 5" gravel surfacing with non-woven geo-fabric for station surfacing complete and in place for the Unit Price per Square Yard of:	500 SY	<u>\$50.00</u>	<u>\$25,000.00</u>
9	For chain link fencing including personnel and vehicle gate as detailed complete and in place for the Unit Price per Linear Foot of:	215 LF	<u>\$75.00</u>	<u>\$16,125.00</u>
10	For materials testing by independent lab for soil, concrete base course, etc. This amount to be used for totaling bid. Actual amount to be based on approved invoice.	ALLOWANCE	<u>\$32,000.00</u>	<u>\$32,000.00</u>

Lot 2 Subtotal:

\$418,554.32

LOT 3 - CHURCH ROCK METER STATION ADDITIONS

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT PRICE	AMOUNT
1	For meter station hydropneumatic bladder style surge control system including two (2) surge tanks, monitoring system, air compressors, required piping additions, control wiring, communication wiring, secondary conduit and conductors, and SCADA programming required for the Lump Sum Price of:	LS	<u>\$85,000.00</u>	<u>\$85,000.00</u>

Lot 3 Subtotal: \$85,000.00

Total Lots 1-3 \$4,164,764.32

Tax @ 8.3125% \$346,196.03

NGWSP Reach 27.11 Construction Cost \$4,510,960.35