

APPENDIX A

RECOMMENDED OPTION 29 and ASSOCIATED FACILITIES

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QUANTITY AND COST ESTIMATES

Contains :

Summary of Quantity and Data Sources

Opinion of Probable Cost Estimates for Conceptual Level Design

Proposed Facilities 1 through 13 (note – there is not a Facility 3)

*Note – Some Facilities are divided into Phases to assist in funding
See Report Volume 1 Section 6 – Final Recommended Option for Figures that illustrate
locations.*

Non-Proposed Facilities X14, X15 and X17

*These facilities are not proposed, however conceptual level cost estimates are
included to illustrate that the costs are excessive for these facilities and therefore
they were not considered further as viable facilities.*

Storm Water Quality Features for the :

Barelas Pump Station Bosque Outfall Water Quality Features *

Alcalde Pump Station Bosque Outfall Water Quality Features *

Water Quality Retrofit of Existing Low Flow Channels in Detention Ponds *

**See Report Section 3 – for Figures that illustrate locations and details.*

SUMMARY OF QUANTITY AND DATA SOURCES

Refer to Figure 6-1 (map pocket – Volume 1) for locations of proposed drainage improvement facilities. A facility is a distinct part of a storm drain improvement option. Facilities have been conceptually designed and quantified as distinct facilities to assist in phasing and funding the improvements over time.

Opinion of Probable Cost for Conceptual Design

The Tables in this appendix document the quantities and computations. The existing utilities that may be in the corridor are listed at the bottom of each table along with other assumptions for each facility.

Storm Drains and Street Repaving

Figure 6-1 presents the Proposed Facilities that have been identified as proposed drainage improvement options. The basic street lengths and widths have been measured in the Autocad base map. Proposed storm drain diameters were recommended based on the SWMM model results. The storm drain average depths (from street grade to pipe invert) were determined from the as-built data for the manholes and pipes that were modeled in SWMM.

Assumptions – As-builts-

- Existing storm drain locations / as-builts were provided by the City of Albuquerque
- Class IV RCP
- Removal and replacement of pavement for ½ of street width will be required
- 1 manhole per 300 ft. of storm drain
- 100 ft. of 18-inch connector pipes per 300 ft. of storm drain
- 4 Type Double A inlets per 300 ft. of storm drain

Sanitary Sewer Lines – Relocations

Assumptions – As-builts-

Sanitary Sewer (SAS) facility maps were provided by the Albuquerque Bernalillo County Water Utility Authority. However sanitary sewer as-builts were not provided. Limited storm drain as-builts were examined to determine if there were SAS conflicts. Based on the limited storm drain as-builts provided and since the proposed storm drains are replacing existing storm drains, it was determined that there are no SAS conflicts, therefore, no SAS relocations were included in the Conceptual level cost estimates at this time.

Water Lines – Relocations

Only distribution lines were considered for relocation (6" to 16")

Assumptions – As-builts-

Water facility maps provided by the Albuquerque Bernalillo County Water Utility Authority were the basis for distribution line relocation conceptual cost estimates. Waterline relocation was assumed at every second cross street along the main storm drain.

Electric Lines - Relocations

Electrical line relocation information was not available therefore costs were not included.

Fiber Optic – Relocations

General location maps were provided by Century Link, however, specific relocation costs were not included due to the vague nature of these maps.

Gas Lines - Relocations

Facility maps were provided by New Mexico Gas Company, however specific relocation costs were not included due to the general nature of these maps.

Principal Spillway in PondsAssumptions –

Principal spillway with inverted ported pipes to control floatables includes: 1) concrete slab on bottom 30 feet by 20 feet by 8 inch thick and 2) vertical walls 6 feet tall by 10 feet wide on 4 sides, 8 inch thick. The total structural concrete for each principal spillway is 21 cubic yards. Assume the steel grating on top of the principal spillway costs \$2,000.

Fence and Park Development Costs for Properties with PondsAssumptions –

Tubular Steel Fence around perimeter – assume \$75.00 per lineal foot. Park Development Costs – assume \$350,000 per acre. Both estimates were provided by Consensus Planning. Park Development Costs is a general cost provided by the City of Albuquerque to Consensus Planning.

Land Acquisition

Acreage - The acreage required for a proposed facility such as a detention pond or a new pump station was obtained from measurements on the Autocad map.

Ownership - The ownership was determined from COA GIS data base. For the majority of properties to be acquired, land acquisition costs were assumed to be an average of \$19 per square-foot from a letter dated December 5, 2011 from Bradley L. Bingham, P.E. from AMAFCA. The one exception is for the Marble-Arno Pond (Facility 2.1) was based on the asking price of \$940,000 (\$12.00 per square-foot) as provided by the City of Albuquerque in February 2012.

Unit Costs

City Engineer's Estimated Unit Prices for Contract Items, 2009 was used for unit prices.

Mobilization / Demobilization

Was assumed as 5% for mobilization and 2% demobilization of the subtotal construction costs prior to a contingency factor.

Contingency Factor

Was assumed as 20% of the subtotal including mobilization / demobilization for this Conceptual Level Design Cost Estimate.

Allowances

The following items were included as allowances: project sign screens, utility relocation, and materials Testing. Allowances were determined based on project size and complexity and previous experience with similar projects.

Pre-Construction Costs

These costs were assumed at 15% of the subtotal costs including 20% contingencies.

These Pre-construction items include:

Design (engineering), Surveying, Geotechnical Engineering and
Subsurface Utility Evaluation (SUE)

NMGRT was applied at 7 %

Opinion of Probable Cost Estimates for Conceptual Level Design

Proposed Facilities 1 through 13 (note – there is not a Facility 3)

Note – Some Facilities are divided into Phases to assist in funding

See Report Section 6 – Final Recommended Option for Figures that illustrate locations.

MID-VALLEY DMP

CITY OF ALBUQUERQUE PROJECT NO. 7963.06

OPINION OF PROBABLE COST FOR CONCEPTUAL DESIGN

FACILITY 1 - BUILD BR21 POND WITH 24" STORM DRAIN

DATE: Monday, February 13, 2012

ROADWAY

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
1	4.010	Construction Staking including staking of project, quantity verification, and as-built information, compl.	1	LS	\$5,250.00	\$5,250.00
2	6.010	Construction Project Sign, per Contract Special Provisions, cip.	1	EA	\$636.93	\$636.93
3	19.010	Construction Traffic Control & Barricading, compl.	1	LS	\$3,500.00	\$3,500.00
4	201.010	Site Clearing and Grubbing, compl.	0.7	AC	\$1,281.93	\$833.25
5	202.011	Unsuitable Material, Excavate & Disposal, complete	9,841	CY	\$8.55	\$84,140.55
6	301.020	Subgrade Prep. 12" at 95% compaction, cip.	450	SY	\$2.00	\$900.00
7	302.010	Aggregate Base Course, crushed, 6" at 95% compaction, cip.	450	SY	\$6.93	\$3,118.50
8	336.022	Asphalt Concrete Pavement, SP-III, 2 inch thick, machine laydown, cip.	1,350	SY	\$9.52	\$12,852.00
9	336.120	Tack Coat, cationic emulsified asphalt, cip.	900	SY	\$0.37	\$333.00
10	340.010	Sidewalk, 4" thick, Portland Cement Concrete, incl. subgrade compaction, cip. SD 2430	30	SY	\$40.09	\$1,202.70
11	340.050	Curb & Gutter, Standard, Portland Cement Concrete, incl. subgrade preparation, cip. SD 2415	40	LF	\$20.31	\$812.40
12	340.060	Curb & Gutter, Median, Portland Cement Concrete, incl. subgrade preparation, cip. SD 2415	40	LF	\$19.49	\$779.60
13	343.030	Existing Pavement, Asphalt Concrete, remove & dispose, any thickness, including cement treated base course, compl.	450	SY	\$9.51	\$4,279.50
14	343.080	Existing Curb & Gutter, PC Concrete, remove & dispose, complete	80	LF	\$6.42	\$513.60
15	343.085	Existing Sidewalk, 4" PC Concrete, including wheel chair access ramps, remove & dispose, compl.	30	SY	\$9.34	\$280.20
16	701.110	Trenching, Backfilling and Compaction, for 18" to 36" RCP, 8' to 12' in depth, pipe not incl., compl.	150	LF	\$27.25	\$4,087.50
17	801.002	6" Waterline Pipe excl. fittings, (std. spec. sec. 801), incl. trench & compacted backfill to 6' depth, cip.	40	LF	\$21.28	\$851.20
18	801.055	Existing Waterline, 6" to 14", with fittings, Remove & Dispose, excl. trenching, compl.	40	LF	\$3.82	\$152.80
19	801.059	Non-pressurized Connection, existing waterline, all sizes, incl. fittings, compl.	1	EA	\$1,027.77	\$1,027.77
20	801.065	Ductile Iron MJ Fittings, Class 250, 4" to 14", incl. jointing material, cip.	500	LB	\$3.30	\$1,650.00
21	801.081	6" Gate Valve, cip. SD 2333	1	EA	\$689.69	\$689.69
22	801.101	Gate Valve, 4" to 12" Remove & Relay, compl.	1	EA	\$346.59	\$346.59
23	801.104	Valve Box, Remove & Dispose, compl.	1	EA	\$128.36	\$128.36
24	801.150	Mechanical Joint Restraining Gland, DI & PVC, 4"-8", cip.	10	EA	\$75.86	\$1,517.20
25	801.157	Joint Restraining Harness, DI & PVC, 4"-8", cip.	10	EA	\$78.79	\$1,575.80
26	910.010	24" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	150	LF	\$50.04	\$7,506.00

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
27	920.140	Manhole, 6' dia., Type "C" or "E", 6' to 10' deep, cip. SD 2101	1	EA	\$3,618.99	\$3,618.99
28	1011.010	Seeding, Class "A" native, cip.	1	AC	\$1,630.34	\$1,630.34
Subtotal of Items 1-28						\$144,214.47
29	621.4.1	Mobilization (not to exceed 5% of above Subtotal)	1	LS	\$7,210.72	\$7,210.72
30	621.4.2	Demobilization (not to exceed 2% of above Subtotal)	1	LS	\$2,884.29	\$2,884.29

a) Subtotal of Item No. 1 through Item No. 30						\$154,309.49
b) Contingencies @ 20%						\$30,861.90
c) Subtotal Items and Contingencies						\$185,171.39
d) Pre-Construction Costs (Design, Survey, Geotech, & SUE) = 15% of C)						\$27,775.71
e) Subtotal Items, Contingencies and pre-Construction Costs						\$212,947.09
f) Property Costs	28,000	SF	\$19.00			\$532,000.00
g) Subtotal Items and Property Costs						\$744,947.09
h) Allowances						
Project Sign Screen, 1 @ \$ 500.00 per sign					\$500.00	
Utility Relocation Allowance					\$5,000.00	
Construction Materials Testing					\$5,000.00	
Total Allowances						\$10,500.00
i) Subtotal - Line g) Subtotal plus Line h) Allowances:						\$755,447.09
j) New Mexico Gross Receipts Tax (NMGRT):						
on amount on Line i) Subtotal at 7.00%						\$52,881.30
k) TOTAL - Line i) Subtotal plus Line j) NMGRT:						\$808,328.39

EXISTING UTILITIES IN CORRIDOR:

WATER: 6" water line
SEWER: 24" SAS

GAS: N/A
TELEPHONE N/A

ASSUMPTIONS:

Property \$19.00 per square foot (average from information
Cost: obtained from Brad Bingham at AMAFCA)
Pavement Section: Arterial/Collector Street Section per COA Dwg. 2407
Trench Width: 1/2 Street Width
Water Relocation: 40 LF per Crossing
Sewer Relocation: None Required
No. of Manholes: 1 per 300 LF Storm Drain
No. of Storm Inlets: 4 per 300 LF Storm Drain
18" Laterals: 100 LF per 300 LF Storm Drain

MID VALLEY DMP

CITY OF ALBUQUERQUE PROJECT NO. 7963.06

OPINION OF PROBABLE COST FOR CONCEPTUAL DESIGN

FACILITY 2.1 - PRIORITY 1 - PURCHASE THE MARBLE-ARNO POND PROPERTY

DATE: Monday, March 19, 2012

		DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
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ASSUMPTIONS

a) Property Costs	78,333	SF	\$12.00	<u>\$940,000.00</u>
b) New Mexico Gross Receipts Tax (NMGR): on amount on Line a) Subtotal at 7.00%				<u>\$65,800.00</u>
c) TOTAL - Line a) Subtotal plus Line b) NMGR:				\$1,005,800.00

EXISTING UTILITIES IN CORRIDOR:

WATER: 6" & 8" Water Line
SEWER: 8" & 12" SAS

GAS: 8" Gas Line
TELEPHONE Fiber Optic Line

Property Cost: Computed based on sales asking price of
\$ 940,000 = \$12.00 per square foot, asking price
provided by the COA in February 2012
Property Purchase: The entire property will be purchased for Marble-
Arno Pond

MID VALLEY DMP

CITY OF ALBUQUERQUE PROJECT NO. 7963.06

OPINION OF PROBABLE COST FOR CONCEPTUAL DESIGN

FACILITY 2.2 - PRIORITY 2 - BUILD MARBLE-ARNO POND, 54" RCP AND 36" RCP

DATE: Monday, March 19, 2012

ROADWAY

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
1	4.010	Construction Staking including staking of project, quantity verification, and as-built information, compl.	1	LS	\$16,500.00	\$16,500.00
2	6.010	Construction Project Sign, per Contract Special Provisions, cip.	2	EA	\$636.93	\$1,273.86
3	19.010	Construction Traffic Control & Barricading, compl.	1	LS	\$11,000.00	\$11,000.00
4	201.010	Site Clearing and Grubbing, compl.	1.4	AC	\$1,281.93	\$1,730.61
5	202.011	Unsuitable Material, Excavate & Disposal, complete	16,456	CY	\$8.55	\$140,698.80
6	301.020	Subgrade Prep. 12" at 95% compaction, cip.	1,830	SY	\$2.00	\$3,660.00
7	302.010	Aggregate Base Course, crushed, 6" at 95% compaction, cip.	1,830	SY	\$6.93	\$12,681.90
8	336.022	Asphalt Concrete Pavement, SP-III, 2 inch thick, machine laydown, cip.	3,660	SY	\$9.52	\$34,843.20
9	336.120	Tack Coat, cationic emulsified asphalt, cip.	1,830	SY	\$0.37	\$677.10
10	340.010	Sidewalk, 4" thick, Portland Cement Concrete, incl. subgrade compaction, cip. SD 2430	125	SY	\$40.09	\$5,011.25
11	340.050	Curb & Gutter, Standard, Portland Cement Concrete, incl. subgrade preparation, cip. SD 2415	280	LF	\$20.31	\$5,686.80
12	343.030	Existing Pavement, Asphalt Concrete, remove & dispose, any thickness, including cement treated base course, compl.	1,830	SY	\$9.51	\$17,403.30
13	343.080	Existing Curb & Gutter, PC Concrete, remove & dispose, complete	280	LF	\$6.42	\$1,797.60
14	343.085	Existing Sidewalk, 4" PC Concrete, including wheel chair access ramps, remove & dispose, compl.	125	SY	\$9.34	\$1,167.50
15	410.01X	Tubular Steel Fence, incl. posts & hardware, cip.	920	LF	\$75.00	\$69,000.00
16	510.110	Structural Reinforced PC Concrete, incl. formwork, cip.	21	CY	\$612.43	\$12,861.03
17	515.110	Steel Grate on top of concrete principal spillway, cip.	1	LS	\$2,000.00	\$2,000.00
18	515.120	Concrete Water Quality Feature, cip.	1	LS	\$11,432.00	\$11,432.00
19	602.04X	Shotcrete Lining, 3" Thick, cip.	1,925	SY	\$27.50	\$52,937.50
20	701.100	Trenching, Backfilling and Compaction, for 18" to 36" RCP, up to 8' in depth, pipe not incl., compl.	360	LF	\$24.02	\$8,647.20
21	701.110	Trenching, Backfilling and Compaction, for 18" to 36" RCP, 8' to 12' in depth, pipe not incl., compl.	610	LF	\$27.25	\$16,822.50
22	701.160	Trenching, Backfilling and Compaction, for 42" to 60" RCP, over 8' to 12' in depth, pipe not incl., compl.	270	LF	\$34.52	\$9,320.40
23	801.003	8" Waterline Pipe excl. fittings, (std. spec. sec. 801), incl. trench & compacted backfill to 6' depth, cip.	80	LF	\$22.24	\$1,779.20
24	801.055	Existing Waterline, 6" to 14", with fittings, Remove & Dispose, excl. trenching, compl.	80	LF	\$3.82	\$305.60
25	801.058	Pressurized Connection, existing waterline, all sizes, incl. fittings, compl.	2	EA	\$1,184.22	\$2,368.44
26	801.065	Ductile Iron MJ Fittings, Class 250, 4" to 14", incl. jointing material, cip.	500	LB	\$3.30	\$1,650.00
27	801.082	8" Gate Valve, cip. SD 2333	2	EA	\$875.06	\$1,750.12
28	801.101	Gate Valve, 4" to 12", Remove & Relay, compl.	2	EA	\$346.59	\$693.18
29	801.104	Valve Box, Remove & Dispose, compl.	2	EA	\$128.36	\$256.72
30	801.105	Valve Box, SD 2326	2	EA	\$404.35	\$808.70
31	910.006	18" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	280	LF	\$39.00	\$10,920.00
32	910.014	30" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	300	LF	\$49.72	\$14,916.00
33	910.018	36" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	390	LF	\$80.00	\$31,200.00
34	910.024	54" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	270	LF	\$197.25	\$53,257.50
35	915.010A	Catch Basin, Type "A" Double Grate, cip.	18	EA	\$5,000.00	\$90,000.00
36	915.070	Catch Basin, Existing, Remove & Dispose, any type, including cleanup, complete	6	EA	\$1,103.47	\$6,620.82
37	920.140	Manhole, 6' dia., Type "C" or "E", 6' to 10' deep, cip. SD 2101	6	EA	\$3,618.99	\$21,713.94
38	920.570	Existing Manhole, Remove & Dispose, all depths, 4' 6' dia., complete	2	EA	\$722.69	\$1,445.38

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
39	1010.01X	Park Development, incl. Landscaping & Equipment, complete	1	AC	\$350,000.00	\$350,000.00
Subtotal of Items 1-39						\$1,026,638.15
40	621.4.1	Mobilization (not to exceed 5% of above Subtotal)	1	LS	\$51,331.91	\$51,331.91
41	621.4.2	Demobilization (not to exceed 2% of above Subtotal)	1	LS	\$20,532.76	\$20,532.76

a) Subtotal of Item No. 1 through Item No. 41	\$1,098,502.82
b) Contingencies @ 20%	\$219,700.56
c) Subtotal Items and Contingencies	\$1,318,203.38
d) Pre-Construction Costs (Design, Survey, Geotech, & SUE = 15% of C)	\$197,730.51
e) Subtotal Items, Contingencies and pre-Construction Costs	\$1,515,933.89
f) Property Costs	0 SF \$19.00 \$0.00
g) Subtotal Items and Property Costs	\$1,515,933.89
h) Allowances	
Project Sign Screen, 1 @ \$ 500.00 per sign	\$1,000.00
Utility Relocation Allowance	\$20,000.00
Construction Materials Testing	\$20,000.00
Total Allowances	\$41,000.00
i) Subtotal - Line g) Subtotal plus Line h) Allowances:	\$1,556,933.89
j) New Mexico Gross Receipts Tax (NMGR): on amount on Line i) Subtotal at 7.00%	\$108,985.37
k) TOTAL - Line i) Subtotal plus Line j) NMGR:	\$1,665,919.26

EXISTING UTILITIES IN CORRIDOR:

WATER: 6" & 8" Water Line
SEWER: 8" & 12" SAS

GAS: 8" Gas Line
TELEPHONE Fiber Optic Line

ASSUMPTIONS:

Property \$19.00 per square foot (average from information
Cost: obtained from Brad Bingham at AMAFCA)
Pavement Arterial/Collector Street Section per COA Dwg. 2407
Section:
Trench 1/2 Street Width
Width:
Water 40 LF per Crossing
Relocation:
Sewer None Required
Relocation:
No. of 1 in Broadway, 1 in Lomas, 1 in Marble, and 1 in
Manholes: Arno
No. of Storm 10 in Broadway and 4 in Lomas
Inlets:
18" Laterals: 20 LF per Storm Inlet

Fence Around Park (tubular steel fence) and Park Development Costs

Tubular Fence - assume \$75.00 per LF for Fence and \$350,000 per acre for Park from Consensus Planning

Park Development Costs - assume \$350,000 per acre from Consensus Planning (this value is a general cost provided by COA to Consensus Planning)

Principal Spillway Structure

Principal Spillway with inverted ported pipes to control floatables - 1. slab on bottom assume 30 ft. x 20 ft. x 8-in. thick. 2. assume vertical walls 6 ft. tall on 4 sides, 8-in. thick walls and 10 ft. x 10 ft. in plan view. This equates to 21 cy structural concrete. Assume the Steel Grate on top costs \$2000

MID VALLEY DMP

CITY OF ALBUQUERQUE PROJECT NO. 7963.06

OPINION OF PROBABLE COST FOR CONCEPTUAL DESIGN

FACILITY 2.3 - PRIORITY 3 - EXISTING BROADWAY-LOMAS POND - ABANDON AND REMOVE EXISTING INLET AND OUTLET STRUCTURES AND PLUG PIPES AT BROADWAY RIGHT-OF-WAY LINE.**UNPLUG EXISTING 54" STORM DRAIN IN BROADWAY****(allow flow from Lomas-Broadway storm drain to drain to Broadway Pump Station)**

DATE: Thursday, February 16, 2012

ROADWAY

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
1	4.010	Construction Staking including staking of project, quantity verification, and as-built information, compl.	1	LS	\$1,200.00	\$1,200.00
2	6.010	Construction Project Sign, per Contract Special Provisions, cip.	2	EA	\$636.93	\$1,273.86
3	19.010	Construction Traffic Control & Barricading, compl.	1	LS	\$5,000.00	\$5,000.00
4	501.02X	Remove and Dispose inlet and outlet, rip-rap, concrete pipe segments to right-of-way line and plug pipes at the right-of-way line, compl.	1	LS	\$30,000.00	\$30,000.00
5	920.59X	Unplug 54" storm drain in Broadway at the Manholes (inlet and outlet of Broadway-Lomas Pond), compl.	1	LS	\$5,000.00	\$5,000.00
Subtotal of Items 1-33						\$42,473.86
34	621.4.1	Mobilization (not to exceed 5% of above Subtotal)	1	LS	\$2,123.69	\$2,123.69
35	621.4.2	Demobilization (not to exceed 2% of above Subtotal)	1	LS	\$849.48	\$849.48

a) Subtotal of Item No. 1 through Item No. 35						\$45,447.03
b) Contingencies @ 20%						\$9,089.41
c) Subtotal Items and Contingencies						\$54,536.44
d) Pre-Construction Costs (Design, Survey, Geotech, & SUE = 15% of C)						\$8,180.47
e) Subtotal Items, Contingencies and pre-Construction Costs						\$62,716.90
f) Property Costs	0	SF		\$19.00		\$0.00
g) Subtotal Items and Property Costs						\$62,716.90
h) Allowances						
Project Sign Screen, 1 @ \$ 500.00 per sign					\$1,000.00	
Utility Relocation Allowance					\$2,000.00	
Construction Materials Testing					\$2,000.00	
Total Allowances						\$5,000.00
i) Subtotal - Line g)Subtotal plus Line h) Allowances:						\$67,716.90
j) New Mexico Gross Receipts Tax (NMGR):						
on amount on Line i) Subtotal at 7.00%						\$4,740.18

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
k) TOTAL - Line i) Subtotal plus Line j) NMGRT:						\$72,457.08

**NOTE: Concrete maintenance ramp on west side of pond will be used for future construction access.
Also, Broadway-Lomas Pond will not be filled in to street grade (per City of Albuquerque direction).**

EXISTING UTILITIES IN CORRIDOR:

WATER: 6" & 8" Water Line
SEWER: 8" & 12" SAS

GAS: 8" Gas Line
TELEPHONE Fiber Optic Line

ASSUMPTIONS:

Property \$19.00 per square foot (average from information
Cost: obtained from Brad Bingham at AMAFCA)
Pavement Arterial/Collector Street Section per COA Dwg. 2407
Section:
Trench 1/2 Street Width
Width:
Water 40 LF per Crossing
Relocation:
Sewer None Required
Relocation:
No. of 1 in Broadway, 1 in Lomas, 1 in Marble, and 1 in Armo
Manholes:
No. of Storm 10 in Broadway and 4 in Lomas
Inlets:
18" Laterals: 20 LF per Storm Inlet

MID VALLEY DMP

CITY OF ALBUQUERQUE PROJECT NO. 7963.06

OPINION OF PROBABLE COST FOR CONCEPTUAL DESIGN

**FACILITY 4 - UPSIZE BACA STORM DRAIN FROM 36" TO 48"
FROM BROADWAY-ODELIA INTERSECTION TO BACA-COMMERCIAL INTERSECTION**

DATE: Monday, February 13, 2012

ROADWAY

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
1	4.010	Construction Staking including staking of project, quantity verification, and as-built information, compl.	1	LS	\$6,000.00	\$6,000.00
2	6.010	Construction Project Sign, per Contract Special Provisions, cip.	2	EA	\$636.93	\$1,273.86
3	19.010	Construction Traffic Control & Barricading, compl.	1	LS	\$4,000.00	\$4,000.00
4	301.020	Subgrade Prep. 12" at 95% compaction, cip.	890	SY	\$2.00	\$1,780.00
5	302.010	Aggregate Base Course, crushed, 6" at 95% compaction, cip.	890	SY	\$6.93	\$6,167.70
6	336.022	Asphalt Concrete Pavement, SP-III, 2 inch thick, machine laydown, cip.	2,670	SY	\$9.52	\$25,418.40
7	336.120	Tack Coat, cationic emulsified asphalt, cip.	1,780	SY	\$0.37	\$658.60
8	340.050	Curb & Gutter, Standard, Portland Cement Concrete, incl. subgrade preparation, cip. SD 2415	120	LF	\$20.31	\$2,437.20
9	343.030	Existing Pavement, Asphalt Concrete, remove & dispose, any thickness, including cement treated base course, compl.	890	SY	\$9.51	\$8,463.90
10	343.080	Existing Curb & Gutter, PC Concrete, remove & dispose, complete	120	LF	\$6.42	\$770.40
11	701.100	Trenching, Backfilling and Compaction, for 18" to 36" RCP, up to 8' in depth, pipe not incl., compl.	133	LF	\$24.02	\$3,194.66
12	701.160	Trenching, Backfilling and Compaction, for 42" to 60" RCP, over 8' to 12' in depth, pipe not incl., compl.	400	LF	\$34.52	\$13,808.00
13	801.002	6" Waterline Pipe excl. fittings, (std. spec. sec. 801), incl. trench & compacted backfill to 6' depth, cip.	40	LF	\$21.28	\$851.20
14	801.055	Existing Waterline, 6" to 14", with fittings, Remove & Dispose, excl. trenching, compl.	40	LF	\$3.82	\$152.80
15	801.059	Non-pressurized Connection, existing waterline, all sizes, incl. fittings, compl.	2	EA	\$1,027.77	\$2,055.54
16	801.065	Ductile Iron MJ Fittings, Class 250, 4" to 14", incl. jointing material, cip.	100	LB	\$3.30	\$330.00
17	801.081	6" Gate Valve, cip. SD 2333	1	EA	\$689.69	\$689.69
18	801.101	Gate Valve, 4" to 12" Remove & Relay, compl.	1	EA	\$346.59	\$346.59
19	801.104	Valve Box, Remove & Dispose, compl.	1	EA	\$128.36	\$128.36
20	801.105	Valve Box, SD 2326	1	EA	\$404.35	\$404.35
21	801.150	Mechanical Joint Restraining Gland, DI & PVC, 4"-8", cip.	10	EA	\$75.86	\$758.60
22	801.157	Joint Restraining Harness, DI & PVC, 4"-8", cip.	10	EA	\$78.79	\$787.90
23	910.006	18" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	133	LF	\$39.00	\$5,187.00
24	910.022	48" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	400	LF	\$139.09	\$55,636.00
25	910.104	Drainline, Remove & Dispose, 21" to 48" excl. trenching & backfilling, compl.	400	LF	\$17.28	\$6,912.00
26	915.010A	Catch Basin, Type "A" Double Grate, cip.	6	EA	\$5,000.00	\$30,000.00
27	915.070	Catch Basin, Existing, Remove & Dispose, any type, including cleanup, complete	6	EA	\$1,103.47	\$6,620.82
28	920.140	Manhole, 6' dia., Type "C" or "E", 6' to 10' deep, cip. SD 2101	2	EA	\$3,618.99	\$7,237.98

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
29	920.570	Existing Manhole, Remove & Dispose, all depths, 4' 6" dia., complete	2	EA	\$722.69	\$1,445.38
Subtotal of Items 1-29						\$193,516.93
30	621.4.1	Mobilization (not to exceed 5% of above Subtotal)	1	LS	\$9,675.85	\$9,675.85
31	621.4.2	Demobilization (not to exceed 2% of above Subtotal)	1	LS	\$3,870.34	\$3,870.34

a) Subtotal of Item No. 1 through Item No. 31	\$207,063.12
b) Contingencies @ 20%	\$41,412.62
c) Subtotal Items and Contingencies	\$248,475.74
d) Pre-Construction Costs (Design, Survey, Geotech, & SUE) = 15% of C)	\$37,271.36
e) Subtotal Items, Contingencies and pre-Construction Costs	\$285,747.10
f) Property Costs	0 SF \$19.00 \$0.00
g) Subtotal Items and Property Costs	\$285,747.10
h) Allowances	
Project Sign Screen, 2 @ \$ 500.00 per sign	\$1,000.00
Utility Relocation Allowance	\$10,000.00
Construction Materials Testing	\$15,000.00
Total Allowances	\$26,000.00
i) Subtotal - Line g)Subtotal plus Line h) Allowances:	\$311,747.10
j) New Mexico Gross Receipts Tax (NMGR):	
on amount on Line i) Subtotal at 7.00%	\$21,822.30
k) TOTAL - Line i) Subtotal plus Line j) NMGR:	\$333,569.40

EXISTING UTILITIES IN CORRIDOR:

WATER: 6" Water Line
SEWER: 8" SAS

GAS: No Gas Lines
TELEPHONE Minor Telephone Lines

ASSUMPTIONS:

Property \$19.00 per square foot (average from information
Cost: obtained from Brad Bingham at AMAFCA)
Pavement Arterial/Collector Street Section per COA Dwg. 2407
Section:
Trench 1/2 Street Width
Width:
Water 40 LF per Crossing
Relocation:
Sewer None Required
Relocation:
No. of 1 per 300 LF Storm Drain
Manholes:
No. of Storm 4 per 300 LF Storm Drain
Inlets:
18" Laterals: 100 LF per 300 LF Storm Drain

MID VALLEY DMP

CITY OF ALBUQUERQUE PROJECT NO. 7963.06

OPINION OF PROBABLE COST FOR CONCEPTUAL DESIGN

**FACILITY 5.1 - PRIORITY 1 - BUILD 48" STORM DRAIN IN BROADWAY
FROM ODELIA TO HANNETT**

DATE: Monday, February 13, 2012

ROADWAY

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
1	4.010	Construction Staking including staking of project, quantity verification, and as-built information, compl.	1	LS	\$13,200.00	\$13,200.00
2	6.010	Construction Project Sign, per Contract Special Provisions, cip.	2	EA	\$636.93	\$1,273.86
3	19.010	Construction Traffic Control & Barricading, compl.	1	LS	\$8,800.00	\$8,800.00
4	301.020	Subgrade Prep. 12" at 95% compaction, cip.	1,980	SY	\$2.00	\$3,960.00
5	302.010	Aggregate Base Course, crushed, 6" at 95% compaction, cip.	1,980	SY	\$6.93	\$13,721.40
6	336.022	Asphalt Concrete Pavement, SP-III, 2 inch thick, machine laydown, cip.	5,940	SY	\$9.52	\$56,548.80
7	336.120	Tack Coat, cationic emulsified asphalt, cip.	3,960	SY	\$0.37	\$1,465.20
8	340.050	Curb & Gutter, Standard, Portland Cement Concrete, incl. subgrade preparation, cip. SD 2415	240	LF	\$20.31	\$4,874.40
9	343.030	Existing Pavement, Asphalt Concrete, remove & dispose, any thickness, including cement treated base course, compl.	1,980	SY	\$9.51	\$18,829.80
10	343.080	Existing Curb & Gutter, PC Concrete, remove & dispose, complete	240	LF	\$6.42	\$1,540.80
11	701.100	Trenching, Backfilling and Compaction, for 18" to 36" RCP, up to 8' in depth, pipe not incl., compl.	240	LF	\$24.02	\$5,764.80
12	701.110	Trenching, Backfilling and Compaction, for 18" to 36" RCP, 8' to 12' in depth, pipe not incl., compl.	100	LF	\$27.25	\$2,725.00
13	701.160	Trenching, Backfilling and Compaction, for 42" to 60" RCP, over 8' to 12' in depth, pipe not incl., compl.	850	LF	\$34.52	\$29,342.00
14	801.002	6" Waterline Pipe excl. fittings, (std. spec. sec. 801), incl. trench & compacted backfill to 6' depth, cip.	120	LF	\$21.28	\$2,553.60
15	801.055	Existing Waterline, 6" to 14", with fittings, Remove & Dispose, excl. trenching, compl.	120	LF	\$3.82	\$458.40
16	801.059	Non-pressurized Connection, existing waterline, all sizes, incl. fittings, compl.	6	EA	\$1,027.77	\$6,166.62
17	801.065	Ductile Iron MJ Fittings, Class 250, 4" to 14", incl. jointing material, cip.	750	LB	\$3.30	\$2,475.00
18	801.081	6" Gate Valve, cip. SD 2333	3	EA	\$689.69	\$2,069.07
19	801.101	Gate Valve, 4" to 12" Remove & Relay, compl.	3	EA	\$346.59	\$1,039.77
20	801.104	Valve Box, Remove & Dispose, compl.	3	EA	\$128.36	\$385.08
21	801.105	Valve Box, SD 2326	3	EA	\$404.35	\$1,213.05
22	801.150	Mechanical Joint Restraining Gland, DI & PVC, 4"-8", cip.	40	EA	\$75.86	\$3,034.40
23	801.157	Joint Restraining Harness, DI & PVC, 4"-8", cip.	40	EA	\$78.79	\$3,151.60
24	910.006	18" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	240	LF	\$39.00	\$9,360.00
25	910.010	24" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	100	LF	\$50.04	\$5,004.00
26	910.022	48" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	850	LF	\$139.09	\$118,226.50
27	910.104	Drainline, Remove & Dispose, 21" to 48" excl. trenching & backfilling, compl.	850	LF	\$17.28	\$14,688.00
28	915.010A	Catch Basin, Type "A" Double Grate, cip.	12	EA	\$5,000.00	\$60,000.00
29	915.070	Catch Basin, Existing, Remove & Dispose, any type, including cleanup, complete	12	EA	\$1,103.47	\$13,241.64

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
30	920.210	Manhole, 8' dia., Type "C" or "E", 6' to 10' deep, cip. SD 2101	3	EA	\$8,338.77	\$25,016.31
31	920.570	Existing Manhole, Remove & Dispose, all depths, 4' 6' dia., complete	3	EA	\$722.69	\$2,168.07
Subtotal of Items 1-31						\$432,297.17
32	621.4.1	Mobilization (not to exceed 5% of above Subtotal)	1	LS	\$21,614.86	\$21,614.86
33	621.4.2	Demobilization (not to exceed 2% of above Subtotal)	1	LS	\$8,645.94	\$8,645.94

a) Subtotal of Item No. 1 through Item No. 33						\$462,557.97
b) Contingencies @ 20%						\$92,511.59
c) Subtotal Items and Contingencies						\$555,069.57
d) Pre-Construction Costs (Design, Survey, Geotech, & SUE) = 15% of C)						\$83,260.43
e) Subtotal Items, Contingencies and pre-Construction Costs						\$638,330.00
f) Property Costs	0	SF		\$19.00		\$0.00
g) Subtotal Items and Property Costs						\$638,330.00
h) Allowances						
Project Sign Screen, 2 @ \$ 500.00 per sign					\$1,000.00	
Utility Relocation Allowance					\$15,000.00	
Construction Materials Testing					\$20,000.00	
Total Allowances						\$36,000.00
i) Subtotal - Line g) Subtotal plus Line h) Allowances:						\$674,330.00
j) New Mexico Gross Receipts Tax (NMGR):						
on amount on Line i) Subtotal at 7.00%						\$47,203.10
k) TOTAL - Line i) Subtotal plus Line j) NMGR:						\$721,533.10

EXISTING UTILITIES IN CORRIDOR:

WATER: 6" Water Line
SEWER: 8" SAS

GAS: 14" Gas Line in Broadway
TELEPHONE Overhead Telephone Lines

ASSUMPTIONS:

Property \$19.00 per square foot (average from information
Cost: obtained from Brad Bingham at AMAFCA)
Pavement Arterial/Collector Street Section per COA Dwg. 2407
Section:
Trench 1/2 Street Width
Width:
Water 40 LF per Crossing
Relocation:
Sewer None Required
Relocation:
No. of 1 per 300 LF Storm Drain
Manholes:
No. of Storm 4 per 300 LF Storm Drain
Inlets:
18" Laterals: 100 LF per 300 LF Storm Drain

MID VALLEY DMP

CITY OF ALBUQUERQUE PROJECT NO. 7963.06

OPINION OF PROBABLE COST FOR CONCEPTUAL DESIGN

**FACILITY 5.2 - PRIORITY 2 - BUILD SANTA BARBARA PARK POND
(western half of park)**

DATE: Monday, March 19, 2012

ROADWAY

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
1	4.010	Construction Staking including staking of project, quantity verification, and as-built information, compl.	1	LS	\$11,550.00	\$11,550.00
2	6.010	Construction Project Sign, per Contract Special Provisions, cip.	1	EA	\$636.93	\$636.93
3	19.010	Construction Traffic Control & Barricading, compl.	1	LS	\$7,700.00	\$7,700.00
4	201.010	Site Clearing and Grubbing, compl.	3.1	AC	\$1,281.93	\$3,973.98
5	202.011	Unsuitable Material, Excavate & Disposal, complete	14,536	CY	\$8.55	\$124,282.80
6	410.01X	Tubular Steel Fence, incl. posts & hardware, cip.	1,000	LF	\$75.00	\$75,000.00
7	510.110	Structural Reinforced PC Concrete, incl. formwork, cip.	21	CY	\$612.43	\$12,861.03
8	515.110	Steel Grate on top of concrete principal spillway, cip.	1	LS	\$2,000.00	\$2,000.00
9	515.120	Concrete Water Quality Feature, cip.	1	LS	\$11,432.00	\$11,432.00
10	1010.01X	Remove and Replace Landscaping including sod, trees, shrubs, irrigation, cip.	60,000	SF	\$3.85	\$231,000.00
Subtotal of Items 1-10						\$480,436.74
11	621.4.1	Mobilization (not to exceed 5% of above Subtotal)	1	LS	\$24,021.84	\$24,021.84
12	621.4.2	Demobilization (not to exceed 2% of above Subtotal)	1	LS	\$9,608.73	\$9,608.73

a) Subtotal of Item No. 1 through Item No. 12	\$514,067.32
b) Contingencies @ 20%	\$102,813.46
c) Subtotal Items and Contingencies	\$616,880.78
d) Pre-Construction Costs (Design, Survey, Geotech, & SUE) = 15% of C)	\$92,532.12
e) Subtotal Items, Contingencies and pre-Construction Costs	\$709,412.89
f) Property Costs	\$0.00
g) Subtotal Items and Property Costs	\$709,412.89
h) Allowances	
Project Sign Screen, 2 @ \$ 500.00 per sign	\$1,000.00
Utility Relocation Allowance	\$5,000.00
Construction Materials Testing	\$5,000.00
Total Allowances	\$11,000.00
i) Subtotal - Line g) Subtotal plus Line h) Allowances:	\$720,412.89
j) New Mexico Gross Receipts Tax (NMGR):	
on amount on Line i) Subtotal at 7.00%	\$50,428.90
k) TOTAL - Line i) Subtotal plus Line j) NMGR:	\$770,841.80

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
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EXISTING UTILITIES IN CORRIDOR:

WATER: 6" Water Line
SEWER: 8" SAS

GAS: 14" Gas Line in Broadway
TELEPHONE Overhead Telephone Lines

ASSUMPTIONS:

Property \$19.00 per square foot (average from information
Cost: obtained from Brad Bingham at AMAFCA)
Pavement Arterial/Collector Street Section per COA Dwg. 2407
Section:
Trench Width: 1/2 Street Width
Water Relocation: 40 LF per Crossing
Sewer Relocation: None Required
No. of Manholes: 1 per 300 LF Storm Drain
No. of Storm Inlets: 4 per 300 LF Storm Drain
18" Laterals: 100 LF per 300 LF Storm Drain

Fence Around Park (tubular steel fence) and Park Development Costs

Tubular Fence - assume \$75.00 per LF for Fence from Consensus Planning

Park RE Development Costs - assume \$3.85 \$ / sq ft

Principal Spillway Strcuture

Principal Spillway with inverted ported pipes to control floatables - 1. slab on bottom assume 30 ft. x 20 ft. x 8-in. thick. 2. assume vertical walls 6 ft. tall on 4 sides, 8-in. thick walls and 10 ft. x 10 ft. in plan view. This equates to 21 cy structural concrete. Assume the Steel Grate on top costs \$2000

MID VALLEY DMP

CITY OF ALBUQUERQUE PROJECT NO. 7963.06

OPINION OF PROBABLE COST FOR CONCEPTUAL DESIGN

FACILITY 5.3 - PRIORITY 3 - BUILD 54" STORM DRAIN IN BROADWAY FROM SANTA BARBARA PARK POND TO MCKNIGHT. BUILD 54" STORM DRAIN IN MCKNIGHT FROM BROADWAY TO HALF WAY BETWEEN BROADWAY AND COMMERCIAL

DATE: Monday, February 13, 2012

ROADWAY

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
1	4.010	Construction Staking including staking of project, quantity verification, and as-built information, compl.	1	LS	\$11,000.00	\$11,000.00
2	6.010	Construction Project Sign, per Contract Special Provisions, cip.	2	EA	\$636.93	\$1,273.86
3	19.010	Construction Traffic Control & Barricading, compl.	1	LS	\$7,300.00	\$7,300.00
4	301.020	Subgrade Prep. 12" at 95% compaction, cip.	1,520	SY	\$2.00	\$3,040.00
5	302.010	Aggregate Base Course, crushed, 6" at 95% compaction, cip.	1,520	SY	\$6.93	\$10,533.60
6	336.022	Asphalt Concrete Pavement, SP-III, 2 inch thick, machine laydown, cip.	4,560	SY	\$9.52	\$43,411.20
7	336.120	Tack Coat, cationic emulsified asphalt, cip.	3,040	SY	\$0.37	\$1,124.80
8	340.050	Curb & Gutter, Standard, Portland Cement Concrete, incl. subgrade preparation, cip. SD 2415	160	LF	\$20.31	\$3,249.60
9	343.030	Existing Pavement, Asphalt Concrete, remove & dispose, any thickness, including cement treated base course, compl.	1,520	SY	\$9.51	\$14,455.20
10	343.080	Existing Curb & Gutter, PC Concrete, remove & dispose, complete	160	LF	\$6.42	\$1,027.20
11	701.100	Trenching, Backfilling and Compaction, for 18" to 36" RCP, up to 8' in depth, pipe not incl., compl.	200	LF	\$24.02	\$4,804.00
12	701.160	Trenching, Backfilling and Compaction, for 42" to 60" RCP, over 8' to 12' in depth, pipe not incl., compl.	650	LF	\$34.52	\$22,438.00
13	801.002	6" Waterline Pipe excl. fittings, (std. spec. sec. 801), incl. trench & compacted backfill to 6' depth, cip.	80	LF	\$21.28	\$1,702.40
14	801.055	Existing Waterline, 6" to 14", with fittings, Remove & Dispose, excl. trenching, compl.	80	LF	\$3.82	\$305.60
15	801.059	Non-pressurized Connection, existing waterline, all sizes, incl. fittings, compl.	2	EA	\$1,027.77	\$2,055.54
16	801.065	Ductile Iron MJ Fittings, Class 250, 4" to 14", incl. jointing material, cip.	500	LB	\$3.30	\$1,650.00
17	801.081	6" Gate Valve, cip. SD 2333	2	EA	\$689.69	\$1,379.38
18	801.101	Gate Valve, 4" to 12" Remove & Relay, compl.	2	EA	\$346.59	\$693.18
19	801.104	Valve Box, Remove & Dispose, compl.	2	EA	\$128.36	\$256.72
20	801.105	Valve Box, SD 2326	2	EA	\$404.35	\$808.70
21	801.150	Mechanical Joint Restraining Gland, DI & PVC, 4"-8", cip.	20	EA	\$75.86	\$1,517.20
22	801.157	Joint Restraining Harness, DI & PVC, 4"-8", cip.	20	EA	\$78.79	\$1,575.80
23	910.006	18" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	200	LF	\$39.00	\$7,800.00
24	910.024	54" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	650	LF	\$197.25	\$128,212.50
25	910.104	Drainline, Remove & Dispose, 21" to 48" excl. trenching & backfilling, compl.	650	LF	\$17.28	\$11,232.00
26	915.010A	Catch Basin, Type "A" Double Grate, cip.	8	EA	\$5,000.00	\$40,000.00
27	915.070	Catch Basin, Existing, Remove & Dispose, any type, including cleanup, complete	8	EA	\$1,103.47	\$8,827.76
28	920.210	Manhole, 8' dia., Type "C" or "E", 6' to 10' deep, cip. SD 2101	3	EA	\$8,338.77	\$25,016.31

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
29	920.570	Existing Manhole, Remove & Dispose, all depths, 4' 6' dia., complete	3	EA	\$722.69	\$2,168.07
Subtotal of Items 1-29						\$358,858.62
30	621.4.1	Mobilization (not to exceed 5% of above Subtotal)	1	LS	\$17,942.93	\$17,942.93
31	621.4.2	Demobilization (not to exceed 2% of above Subtotal)	1	LS	\$7,177.17	\$7,177.17

a) Subtotal of Item No. 1 through Item No. 31						\$383,978.72
b) Contingencies @ 20%						\$76,795.74
c) Subtotal Items and Contingencies						\$460,774.47
d) Pre-Construction Costs (Design, Survey, Geotech, & SUE) = 15% of C)						\$69,116.17
e) Subtotal Items, Contingencies and pre-Construction Costs						\$529,890.64
f) Property Costs	0	SF		\$19.00		\$0.00
g) Subtotal Items and Property Costs						\$529,890.64
h) Allowances						
Project Sign Screen, 2 @ \$ 500.00 per sign					\$1,000.00	
Utility Relocation Allowance					\$15,000.00	
Construction Materials Testing					\$20,000.00	
Total Allowances						\$36,000.00
i) Subtotal - Line g) Subtotal plus Line h) Allowances:						\$565,890.64
j) New Mexico Gross Receipts Tax (NMGR):						
on amount on Line i) Subtotal at 7.00%						\$39,612.34
k) TOTAL - Line i) Subtotal plus Line j) NMGR:						\$605,502.98

EXISTING UTILITIES IN CORRIDOR:

WATER: 6" Water Line
SEWER: 8" SAS

GAS: 14" Gas Line in Broadway
TELEPHONE Overhead Telephone Lines

ASSUMPTIONS:

Property \$19.00 per square foot (average from information
Cost: obtained from Brad Bingham at AMAFCA)
Pavement Arterial/Collector Street Section per COA Dwg. 2407
Section:
Trench 1/2 Street Width
Width:
Water 40 LF per Crossing
Relocation:
Sewer None Required
Relocation:
No. of 1 per 300 LF Storm Drain
Manholes:
No. of Storm 4 per 300 LF Storm Drain
Inlets:
18" Laterals: 100 LF per 300 LF Storm Drain

MID VALLEY DMP

CITY OF ALBUQUERQUE PROJECT NO. 7963.06

OPINION OF PROBABLE COST FOR CONCEPTUAL DESIGN

FACILITY 5.4 - PRIORITY 4 - BUILD 54" STORM DRAIN IN MCKNIGHT FROM HALF WAY BETWEEN BROADWAY AND COMMERCIAL TO COMMERCIAL THEN CONTINUE 54" STORM DRAIN IN COMMERCIAL TO INDIAN SCHOOL

DATE: Monday, February 13, 2012

ROADWAY

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
1	4.010	Construction Staking including staking of project, quantity verification, and as-built information, compl.	1	LS	\$14,000.00	\$14,000.00
2	6.010	Construction Project Sign, per Contract Special Provisions, cip.	2	EA	\$636.93	\$1,273.86
3	19.010	Construction Traffic Control & Barricading, compl.	1	LS	\$9,300.00	\$9,300.00
4	301.020	Subgrade Prep. 12" at 95% compaction, cip.	1,980	SY	\$2.00	\$3,960.00
5	302.010	Aggregate Base Course, crushed, 6" at 95% compaction, cip.	1,980	SY	\$6.93	\$13,721.40
6	336.022	Asphalt Concrete Pavement, SP-III, 2 inch thick, machine laydown, cip.	5,940	SY	\$9.52	\$56,548.80
7	336.120	Tack Coat, cationic emulsified asphalt, cip.	3,960	SY	\$0.37	\$1,465.20
8	340.050	Curb & Gutter, Standard, Portland Cement Concrete, incl. subgrade preparation, cip. SD 2415	240	LF	\$20.31	\$4,874.40
9	343.030	Existing Pavement, Asphalt Concrete, remove & dispose, any thickness, including cement treated base course, compl.	1,980	SY	\$9.51	\$18,829.80
10	343.080	Existing Curb & Gutter, PC Concrete, remove & dispose, complete	240	LF	\$6.42	\$1,540.80
11	701.100	Trenching, Backfilling and Compaction, for 18" to 36" RCP, up to 8' in depth, pipe not incl., compl.	240	LF	\$24.02	\$5,764.80
12	701.160	Trenching, Backfilling and Compaction, for 42" to 60" RCP, over 8' to 12' in depth, pipe not incl., compl.	850	LF	\$34.52	\$29,342.00
13	801.002	6" Waterline Pipe excl. fittings, (std. spec. sec. 801), incl. trench & compacted backfill to 6' depth, cip.	40	LF	\$21.28	\$851.20
14	801.055	Existing Waterline, 6" to 14", with fittings, Remove & Dispose, excl. trenching, compl.	40	LF	\$3.82	\$152.80
15	801.059	Non-pressurized Connection, existing waterline, all sizes, incl. fittings, compl.	1	EA	\$1,027.77	\$1,027.77
16	801.065	Ductile Iron MJ Fittings, Class 250, 4" to 14", incl. jointing material, cip.	200	LB	\$3.30	\$660.00
17	801.081	6" Gate Valve, cip. SD 2333	1	EA	\$689.69	\$689.69
18	801.101	Gate Valve, 4" to 12" Remove & Relay, compl.	1	EA	\$346.59	\$346.59
19	801.104	Valve Box, Remove & Dispose, compl.	1	EA	\$128.36	\$128.36
20	801.105	Valve Box, SD 2326	1	EA	\$404.35	\$404.35
21	801.150	Mechanical Joint Restraining Gland, DI & PVC, 4"-8", cip.	10	EA	\$75.86	\$758.60
22	801.157	Joint Restraining Harness, DI & PVC, 4"-8", cip.	10	EA	\$78.79	\$787.90
23	910.006	18" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	240	LF	\$39.00	\$9,360.00
24	910.024	54" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	850	LF	\$197.25	\$167,662.50
25	910.104	Drainline, Remove & Dispose, 21" to 48" excl. trenching & backfilling, compl.	850	LF	\$17.28	\$14,688.00
26	915.010A	Catch Basin, Type "A" Double Grate, cip.	12	EA	\$5,000.00	\$60,000.00
27	915.070	Catch Basin, Existing, Remove & Dispose, any type, including cleanup, complete	12	EA	\$1,103.47	\$13,241.64
28	920.210	Manhole, 8' dia., Type "C" or "E", 6' to 10' deep, cip. SD 2101	3	EA	\$8,338.77	\$25,016.31

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
29	920.570	Existing Manhole, Remove & Dispose, all depths, 4' 6' dia., complete	3	EA	\$722.69	\$2,168.07
Subtotal of Items 1-29						\$458,564.84
30	621.4.1	Mobilization (not to exceed 5% of above Subtotal)	1	LS	\$22,928.24	\$22,928.24
31	621.4.2	Demobilization (not to exceed 2% of above Subtotal)	1	LS	\$9,171.30	\$9,171.30

a) Subtotal of Item No. 1 through Item No. 31						\$490,664.38
b) Contingencies @ 20%						\$98,132.88
c) Subtotal Items and Contingencies						\$588,797.25
d) Pre-Construction Costs (Design, Survey, Geotech, & SUE) = 15% of C)						\$88,319.59
e) Subtotal Items, Contingencies and pre-Construction Costs						\$677,116.84
f) Property Costs	0	SF		\$19.00		\$0.00
g) Subtotal Items and Property Costs						\$677,116.84
h) Allowances						
Project Sign Screen, 2 @ \$ 500.00 per sign					\$1,000.00	
Utility Relocation Allowance					\$15,000.00	
Construction Materials Testing					\$20,000.00	
Total Allowances						\$36,000.00
i) Subtotal - Line g) Subtotal plus Line h) Allowances:						\$713,116.84
j) New Mexico Gross Receipts Tax (NMGR):						
on amount on Line i) Subtotal at 7.00%						\$49,918.18
k) TOTAL - Line i) Subtotal plus Line j) NMGR:						\$763,035.02

EXISTING UTILITIES IN CORRIDOR:

WATER: 6" Water Line
SEWER: 8" SAS

GAS: 14" Gas Line in Broadway
TELEPHONE Overhead Telephone Lines

ASSUMPTIONS:

Property \$19.00 per square foot (average from information
Cost: obtained from Brad Bingham at AMAFCA)
Pavement Section: Arterial/Collector Street Section per COA Dwg. 2407
Trench Width: 1/2 Street Width
Water Relocation: 40 LF per Crossing
Sewer Relocation: None Required
No. of Manholes: 1 per 300 LF Storm Drain
No. of Storm Inlets: 4 per 300 LF Storm Drain
18" Laterals: 100 LF per 300 LF Storm Drain

MID VALLEY DMP

CITY OF ALBUQUERQUE PROJECT NO. 7963.06

OPINION OF PROBABLE COST FOR CONCEPTUAL DESIGN

FACILITY 6.1 - PRIORITY 1 - PURCHASE THE NORTH WELLS PARK POND PROPERTY

DATE: Tuesday, February 14, 2012

a) Property Costs	99,143	SF	\$19.00	<u>\$1,883,717.00</u>
b) New Mexico Gross Receipts Tax (NMGRT): on amount on Line a) Subtotal at 7.00%				<u>\$131,860.19</u>
c) TOTAL - Line a) Subtotal plus Line b) NMGRT:				\$2,015,577.19

EXISTING UTILITIES IN CORRIDOR:

WATER: 6" & 8" Water Line

SEWER: 8" & 12" SAS

GAS: 8" Gas Line

TELEPHONE Fiber Optic Line

ASSUMPTIONS:

Property \$19.00 per square foot (average from information

Cost: obtained from Brad Bingham at AMAFCA)

Property The entire property at Broadway and Marble will be

Purchase: purchased for Marble-Arno Pond

MID VALLEY DMP

CITY OF ALBUQUERQUE PROJECT NO. 7963.06

OPINION OF PROBABLE COST FOR CONCEPTUAL DESIGN

FACILITY 6.2 - PRIORITY 2 - BUILD NORTH WELLS PARK POND AND 36" STORM DRAIN FROM POND SOUTH IN 5TH STREET TO MOUNTAIN THEN EAST IN MOUNTAIN TO 3RD STREET

DATE: Monday, March 19, 2012

ROADWAY

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
1	4.010	Construction Staking including staking of project, quantity verification, and as-built information, compl.	1	LS	\$21,000.00	\$21,000.00
2	6.010	Construction Project Sign, per Contract Special Provisions, cip.	2	EA	\$636.93	\$1,273.86
3	19.010	Construction Traffic Control & Barricading, compl.	1	LS	\$14,000.00	\$14,000.00
4	201.010	Site Clearing and Grubbing, compl.	2.3	AC	\$1,281.93	\$2,948.44
5	202.011	Unsuitable Material, Excavate & Disposal, complete	26,652	CY	\$8.55	\$227,874.60
6	301.020	Subgrade Prep. 12" at 95% compaction, cip.	2,490	SY	\$2.00	\$4,980.00
7	302.010	Aggregate Base Course, crushed, 6" at 95% compaction, cip.	2,490	SY	\$6.93	\$17,255.70
8	336.022	Asphalt Concrete Pavement, SP-III, 2 inch thick, machine laydown, cip.	7,470	SY	\$9.52	\$71,114.40
9	336.120	Tack Coat, cationic emulsified asphalt, cip.	4,980	SY	\$0.37	\$1,842.60
10	340.050	Curb & Gutter, Standard, Portland Cement Concrete, incl. subgrade preparation, cip. SD 2415	320	LF	\$20.31	\$6,499.20
11	343.030	Existing Pavement, Asphalt Concrete, remove & dispose, any thickness, including cement treated base course, compl.	2,490	SY	\$9.51	\$23,679.90
12	343.080	Existing Curb & Gutter, PC Concrete, remove & dispose, complete	320	LF	\$6.42	\$2,054.40
13	410.01X	Tubular Steel Fence, incl. posts & hardware, cip.	1,200	LF	\$75.00	\$90,000.00
14	510.110	Structural Reinforced PC Concrete, incl. formwork, cip.	21	CY	\$612.43	\$12,861.03
15	515.110	Steel Grate on top of concrete principal spillway, cip.	1	LS	\$2,000.00	\$2,000.00
16	515.120	Concrete Water Quality Feature, cip.	1	LS	\$11,432.00	\$11,432.00
17	701.100	Trenching, Backfilling and Compaction, for 18" to 36" RCP, up to 8' in depth, pipe not incl., compl.	400	LF	\$24.02	\$9,608.00
18	701.110	Trenching, Backfilling and Compaction, for 18" to 36" RCP, 8' to 12' in depth, pipe not incl., compl.	1,120	LF	\$27.25	\$30,520.00
19	801.002	6" Waterline Pipe excl. fittings, (std. spec. sec. 801), incl. trench & compacted backfill to 6' depth, cip.	80	LF	\$21.28	\$1,702.40
20	801.003	8" Waterline Pipe excl. fittings, (std. spec. sec. 801), incl. trench & compacted backfill to 6' depth, cip.	40	LF	\$22.24	\$889.60
21	801.055	Existing Waterline, 6" to 14", with fittings, Remove & Dispose, excl. trenching, compl.	120	LF	\$3.82	\$458.40
22	801.059	Non-pressurized Connection, existing waterline, all sizes, incl. fittings, compl.	6	EA	\$1,027.77	\$6,166.62
23	801.065	Ductile Iron MJ Fittings, Class 250, 4" to 14", incl. jointing material, cip.	500	LB	\$3.30	\$1,650.00
24	801.081	6" Gate Valve, cip. SD 2333	2	EA	\$689.69	\$1,379.38
25	801.082	8" Gate Valve, cip. SD 2333	1	EA	\$875.06	\$875.06
26	801.101	Gate Valve, 4" to 12" Remove & Relay, compl.	3	EA	\$346.59	\$1,039.77
27	801.104	Valve Box, Remove & Dispose, compl.	3	EA	\$128.36	\$385.08
28	801.105	Valve Box, SD 2326	3	EA	\$404.35	\$1,213.05
29	801.150	Mechanical Joint Restraining Gland, DI & PVC, 4"-8", cip.	30	EA	\$75.86	\$2,275.80
30	801.157	Joint Restraining Harness, DI & PVC, 4"-8", cip.	30	EA	\$78.79	\$2,363.70

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
31	910.006	18" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	400	LF	\$39.00	\$15,600.00
32	910.018	36" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	1,120	LF	\$80.00	\$89,600.00
33	915.010A	Catch Basin, Type "A" Double Grate, cip.	16	EA	\$5,000.00	\$80,000.00
34	915.070	Catch Basin, Existing, Remove & Dispose, any type, including cleanup, complete	8	EA	\$1,103.47	\$8,827.76
35	920.210	Manhole, 8' dia., Type "C" or "E", 6' to 10' deep, cip. SD 2101	4	EA	\$8,338.77	\$33,355.08
36	920.570	Existing Manhole, Remove & Dispose, all depths, 4' 6' dia., complete	4	EA	\$722.69	\$2,890.76
37	1010.01X	Park Development, Incl. Landscaping & Equipment, complete	2	AC	\$350,000.00	\$700,000.00
Subtotal of Items 1-37						\$1,501,616.59
38	621.4.1	Mobilization (not to exceed 5% of above Subtotal)	1	LS	\$75,080.83	\$75,080.83
39	621.4.2	Demobilization (not to exceed 2% of above Subtotal)	1	LS	\$30,032.33	\$30,032.33

a) Subtotal of Item No. 1 through Item No. 39						\$1,606,729.75
b) Contingencies @ 20%						\$321,345.95
c) Subtotal Items and Contingencies						\$1,928,075.70
d) Pre-Construction Costs (Design, Survey, Geotech, & SUE) = 15% of C)						\$289,211.36
e) Subtotal Items, Contingencies and pre-Construction Costs						\$2,217,287.06
f) Property Costs	0	SF		\$19.00		\$0.00
g) Subtotal Items and Property Costs						\$2,217,287.06
h) Allowances						
Project Sign Screen, 2 @ \$ 500.00 per sign					\$1,000.00	
Utility Relocation Allowance					\$25,000.00	
Construction Materials Testing					\$20,000.00	
Total Allowances						\$46,000.00
i) Subtotal - Line g) Subtotal plus Line h) Allowances:						\$2,263,287.06
j) New Mexico Gross Receipts Tax (NMGR):						
on amount on Line i) Subtotal at 7.00%						\$158,430.09
k) TOTAL - Line i) Subtotal plus Line j) NMGR:						\$2,421,717.15

EXISTING UTILITIES IN CORRIDOR:

WATER: 6", 8" & 12" Water Line

SEWER: 8", 10" & 12" SAS

GAS: 12" Gas Line in Broadway, 2" Gas Lines in 3rd, 5th & Constitution

TELEPHONE Fiber Optic and Copper in Mountain, Overhead
Telephone Lines in Constitution and in Vacant Lot**ASSUMPTIONS:**Property \$19.00 per square foot (average from information
Cost: obtained from Brad Bingham at AMAFCA)

Pavement Arterial/Collector Street Section per COA Dwg. 2407

Section:
Trench 1/2 Street WidthWidth:
Water 40 LF per Crossing

Relocation:

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
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Sewer Relocation: None Required
 No. of Manholes: 1 per 300 LF Storm Drain
 No. of Storm Inlets: 4 per 300 LF Storm Drain
 18" Laterals: 100 LF per 300 LF Storm Drain

Fence Around Park (tubular steel fence) and Park Development Costs

Tubular Fence - assume \$75.00 per LF for Fence and \$350,000 per acre for Park from Consensus Planning

Park Development Costs - assume \$350,000 per acre from Consensus Planning (this value is a general cost provided by COA to Consensus Planning)

Principal Spillway Structure

Principal Spillway with inverted ported pipes to control floatables - 1. slab on bottom assume 30 ft. x 20 ft. x 8-in. thick. 2. assume vertical walls 6 ft. tall on 4 sides, 8-in. thick walls and 10 ft. x 10 ft. in plan view. This equates to 21 cy structural concrete. Assume the Steel Grate on top costs \$2000

MID VALLEY DMP

CITY OF ALBUQUERQUE PROJECT NO. 7963.06

OPINION OF PROBABLE COST FOR CONCEPTUAL DESIGN

FACILITY 6.3 PRIORITY 3 - BUILD 54" STORM DRAIN IN 5TH STREET FROM SUMMER TO CONSTITUTION THEN CONTINUE IN CONSTITUTION FROM 5TH ST. TO 3RD STREET

DATE: Monday, February 13, 2012

ROADWAY

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
1	4.010	Construction Staking including staking of project, quantity verification, and as-built information, compl.	1	LS	\$24,000.00	\$24,000.00
2	6.010	Construction Project Sign, per Contract Special Provisions, cip.	2	EA	\$636.93	\$1,273.86
3	19.010	Construction Traffic Control & Barricading, compl.	1	LS	\$16,000.00	\$16,000.00
4	301.020	Subgrade Prep. 12" at 95% compaction, cip.	3,000	SY	\$2.00	\$6,000.00
5	302.010	Aggregate Base Course, crushed, 6" at 95% compaction, cip.	3,000	SY	\$6.93	\$20,790.00
6	336.022	Asphalt Concrete Pavement, SP-III, 2 inch thick, machine laydown, cip.	9,000	SY	\$9.52	\$85,680.00
7	336.120	Tack Coat, cationic emulsified asphalt, cip.	6,000	SY	\$0.37	\$2,220.00
8	340.050	Curb & Gutter, Standard, Portland Cement Concrete, incl. subgrade preparation, cip. SD 2415	400	LF	\$20.31	\$8,124.00
9	343.030	Existing Pavement, Asphalt Concrete, remove & dispose, any thickness, including cement treated base course, compl.	3,000	SY	\$9.51	\$28,530.00
10	343.080	Existing Curb & Gutter, PC Concrete, remove & dispose, complete	400	LF	\$6.42	\$2,568.00
11	701.100	Trenching, Backfilling and Compaction, for 18" to 36" RCP, up to 8' in depth, pipe not incl., compl.	500	LF	\$24.02	\$12,010.00
12	701.160	Trenching, Backfilling and Compaction, for 42" to 60" RCP, over 8' to 12' in depth, pipe not incl., compl.	1,500	LF	\$34.52	\$51,780.00
13	801.002	6" Waterline Pipe excl. fittings, (std. spec. sec. 801), incl. trench & compacted backfill to 6' depth, cip.	160	LF	\$21.28	\$3,404.80
14	801.003	8" Waterline Pipe excl. fittings, (std. spec. sec. 801), incl. trench & compacted backfill to 6' depth, cip.	40	LF	\$22.24	\$889.60
15	801.055	Existing Waterline, 6" to 14", with fittings, Remove & Dispose, excl. trenching, compl.	200	LF	\$3.82	\$764.00
16	801.059	Non-pressurized Connection, existing waterline, all sizes, incl. fittings, compl.	10	EA	\$1,027.77	\$10,277.70
17	801.065	Ductile Iron MJ Fittings, Class 250, 4" to 14", incl. jointing material, cip.	1,200	LB	\$3.30	\$3,960.00
18	801.081	6" Gate Valve, cip. SD 2333	4	EA	\$689.69	\$2,758.76
19	801.082	8" Gate Valve, cip. SD 2333	1	EA	\$875.06	\$875.06
20	801.101	Gate Valve, 4" to 12" Remove & Relay, compl.	5	EA	\$346.59	\$1,732.95
21	801.104	Valve Box, Remove & Dispose, compl.	5	EA	\$128.36	\$641.80
22	801.105	Valve Box, SD 2326	5	EA	\$404.35	\$2,021.75
23	801.150	Mechanical Joint Restraining Gland, DI & PVC, 4"-8", cip.	40	EA	\$75.86	\$3,034.40
24	801.157	Joint Restraining Harness, DI & PVC, 4"-8", cip.	40	EA	\$78.79	\$3,151.60
25	910.006	18" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	500	LF	\$39.00	\$19,500.00
26	910.024	54" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	1,500	LF	\$197.25	\$295,875.00
27	915.010A	Catch Basin, Type "A" Double Grate, cip.	20	EA	\$5,000.00	\$100,000.00
28	915.070	Catch Basin, Existing, Remove & Dispose, any type, including cleanup, complete	4	EA	\$1,103.47	\$4,413.88

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
29	920.210	Manhole, 8' dia., Type "C" or "E", 6' to 10' deep, cip. SD 2101	5	EA	\$8,338.77	\$41,693.85
30	920.570	Existing Manhole, Remove & Dispose, all depths, 4' 6' dia., complete	1	EA	\$722.69	\$722.69
Subtotal of Items 1-30						\$754,693.70
31	621.4.1	Mobilization (not to exceed 5% of above Subtotal)	1	LS	\$37,734.69	\$37,734.69
32	621.4.2	Demobilization (not to exceed 2% of above Subtotal)	1	LS	\$15,093.87	\$15,093.87

a) Subtotal of Item No. 1 through Item No. 32	\$807,522.26
b) Contingencies @ 20%	\$161,504.45
c) Subtotal Items and Contingencies	\$969,026.71
d) Pre-Construction Costs (Design, Survey, Geotech, & SUE) = 15% of C)	\$145,354.01
e) Subtotal Items, Contingencies and pre-Construction Costs	\$1,114,380.72
f) Property Costs	0 SF \$19.00 \$0.00
g) Subtotal Items and Property Costs	\$1,114,380.72
h) Allowances	
Project Sign Screen, 2 @ \$ 500.00 per sign	\$1,000.00
Utility Relocation Allowance	\$25,000.00
Construction Materials Testing	\$20,000.00
Total Allowances	\$46,000.00
i) Subtotal - Line g) Subtotal plus Line h) Allowances:	\$1,160,380.72
j) New Mexico Gross Receipts Tax (NMGR): on amount on Line i) Subtotal at 7.00%	\$81,226.65
k) TOTAL - Line i) Subtotal plus Line j) NMGR:	\$1,241,607.37

EXISTING UTILITIES IN CORRIDOR:

WATER: 6", 8" & 12" Water Line
SEWER: 8", 10" & 12" SAS

GAS: 12" Gas Line in Broadway, 2" Gas Lines in 3rd, 5th & Constitution
TELEPHONE Fiber Optic and Copper in Mountain, Overhead Telephone Lines in Constitution and in Vacant Lot

ASSUMPTIONS:

Property \$19.00 per square foot (average from information Cost: obtained from Brad Bingham at AMAFCA)
Pavement Section: Arterial/Collector Street Section per COA Dwg. 2407
Trench Width: 1/2 Street Width
Water Relocation: 40 LF per Crossing
Sewer Relocation: None Required
No. of Manholes: 1 per 300 LF Storm Drain
No. of Storm Inlets: 4 per 300 LF Storm Drain
18" Laterals: 100 LF per 300 LF Storm Drain

MID VALLEY DMP

CITY OF ALBUQUERQUE PROJECT NO. 7963.06

OPINION OF PROBABLE COST FOR CONCEPTUAL DESIGN

FACILITY 7.1 - PRIORITY 1 - PURCHASE THE MCKNIGHT POND PROPERTY

DATE: Tuesday, February 14, 2012

a) Property Costs	51,828	SF	\$19.00	<u>\$984,732.00</u>
b) New Mexico Gross Receipts Tax (NMGRT): on amount on Line a) Subtotal at 7.00%				<u>\$68,931.24</u>
c) TOTAL - Line a) Subtotal plus Line b) NMGRT:				\$1,053,663.24

EXISTING UTILITIES IN CORRIDOR:WATER: 6" & 8" Water Line
SEWER: 8" & 12" SASGAS: 8" Gas Line
TELEPHONE Fiber Optic Line**ASSUMPTIONS:**Property \$19.00 per square foot (average from information
Cost: obtained from Brad Bingham at AMAFCA)
Property The entire property at Broadway and Marble will be
Purchase: purchased for Marble-Arno Pond

MID VALLEY DMP

CITY OF ALBUQUERQUE PROJECT NO. 7963.06

OPINION OF PROBABLE COST FOR CONCEPTUAL DESIGN

FACILITY 7.2 - PRIORITY 2 - BUILD 54" STORM DRAIN IN 3RD STREET FROM CONSTITUTION TO HANNETT

DATE: Tuesday, February 14, 2012

ROADWAY

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
1	4.010	Construction Staking including staking of project, quantity verification, and as-built information, compl.	1	LS	\$18,000.00	\$18,000.00
2	6.010	Construction Project Sign, per Contract Special Provisions, cip.	2	EA	\$636.93	\$1,273.86
3	19.010	Construction Traffic Control & Barricading, compl.	1	LS	\$12,000.00	\$12,000.00
4	301.020	Subgrade Prep. 12" at 95% compaction, cip.	2,400	SY	\$2.00	\$4,800.00
5	302.010	Aggregate Base Course, crushed, 6" at 95% compaction, cip.	2,400	SY	\$6.93	\$16,632.00
6	336.022	Asphalt Concrete Pavement, SP-III, 2 inch thick, machine laydown, cip.	7,200	SY	\$9.52	\$68,544.00
7	336.120	Tack Coat, cationic emulsified asphalt, cip.	4,800	SY	\$0.37	\$1,776.00
8	340.050	Curb & Gutter, Standard, Portland Cement Concrete, incl. subgrade preparation, cip. SD 2415	320	LF	\$20.31	\$6,499.20
9	343.030	Existing Pavement, Asphalt Concrete, remove & dispose, any thickness, including cement treated base course, compl.	2,400	SY	\$9.51	\$22,824.00
10	343.080	Existing Curb & Gutter, PC Concrete, remove & dispose, complete	320	LF	\$6.42	\$2,054.40
11	701.100	Trenching, Backfilling and Compaction, for 18" to 36" RCP, up to 8' in depth, pipe not incl., compl.	400	LF	\$24.02	\$9,608.00
12	701.160	Trenching, Backfilling and Compaction, for 42" to 60" RCP, over 8' to 12' in depth, pipe not incl., compl.	1,080	LF	\$34.52	\$37,281.60
13	801.002	6" Waterline Pipe excl. fittings, (std. spec. sec. 801), incl. trench & compacted backfill to 6' depth, cip.	80	LF	\$21.28	\$1,702.40
14	801.055	Existing Waterline, 6" to 14", with fittings, Remove & Dispose, excl. trenching, compl.	80	LF	\$3.82	\$305.60
15	801.059	Non-pressurized Connection, existing waterline, all sizes, incl. fittings, compl.	4	EA	\$1,027.77	\$4,111.08
16	801.065	Ductile Iron MJ Fittings, Class 250, 4" to 14", incl. jointing material, cip.	300	LB	\$3.30	\$990.00
17	801.081	6" Gate Valve, cip. SD 2333	2	EA	\$689.69	\$1,379.38
18	801.101	Gate Valve, 4" to 12" Remove & Relay, compl.	2	EA	\$346.59	\$693.18
19	801.104	Valve Box, Remove & Dispose, compl.	2	EA	\$128.36	\$256.72
20	801.105	Valve Box, SD 2326	2	EA	\$404.35	\$808.70
21	801.150	Mechanical Joint Restraining Gland, DI & PVC, 4"-8", cip.	20	EA	\$75.86	\$1,517.20
22	801.157	Joint Restraining Harness, DI & PVC, 4"-8", cip.	20	EA	\$78.79	\$1,575.80
23	910.006	18" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	400	LF	\$39.00	\$15,600.00
24	910.024	54" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	1,080	LF	\$197.25	\$213,030.00
25	910.104	Drainline, Remove & Dispose, 21" to 48" excl. trenching & backfilling, compl.	1,080	LF	\$17.28	\$18,662.40
26	915.010A	Catch Basin, Type "A" Double Grate, cip.	16	EA	\$5,000.00	\$80,000.00
27	915.070	Catch Basin, Existing, Remove & Dispose, any type, including cleanup, complete	8	EA	\$1,103.47	\$8,827.76
28	920.210	Manhole, 8' dia., Type "C" or "E", 6' to 10' deep, cip. SD 2101	4	EA	\$8,338.77	\$33,355.08

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
29	920.570	Existing Manhole, Remove & Dispose, all depths, 4' 6' dia., complete	4	EA	\$722.69	\$2,890.76
Subtotal of Items 1-29						\$586,999.12
30	621.4.1	Mobilization (not to exceed 5% of above Subtotal)	1	LS	\$29,349.96	\$29,349.96
31	621.4.2	Demobilization (not to exceed 2% of above Subtotal)	1	LS	\$11,739.98	\$11,739.98

a) Subtotal of Item No. 1 through Item No. 31						\$628,089.06
b) Contingencies @ 20%						\$125,617.81
c) Subtotal Items and Contingencies						\$753,706.87
d) Pre-Construction Costs (Design, Survey, Geotech, & SUE) = 15% of C)						\$113,056.03
e) Subtotal Items, Contingencies and pre-Construction Costs						\$866,762.90
f) Property Costs	0	SF		\$19.00		\$0.00
g) Subtotal Items and Property Costs						\$866,762.90
h) Allowances						
Project Sign Screen, 2 @ \$ 500.00 per sign					\$1,000.00	
Utility Relocation Allowance					\$10,000.00	
Construction Materials Testing					\$15,000.00	
Total Allowances						\$26,000.00
i) Subtotal - Line g) Subtotal plus Line h) Allowances:						\$892,762.90
j) New Mexico Gross Receipts Tax (NMGR):						
on amount on Line i) Subtotal at 7.00%						\$62,493.40
k) TOTAL - Line i) Subtotal plus Line j) NMGR:						\$955,256.30

EXISTING UTILITIES IN CORRIDOR:

WATER: 6" & 8" Water Line
SEWER: 10" & 21" SAS

GAS: 2" and 4" Gas Lines in 4th Street
TELEPHONE Fiber Optic and Copper Lines in 4th Street

ASSUMPTIONS:

Property \$19.00 per square foot (average from information
Cost: obtained from Brad Bingham at AMAFCA)
Pavement Arterial/Collector Street Section per COA Dwg. 2407
Section:
Trench 1/2 Street Width
Width:
Water 40 LF per Crossing
Relocation:
Sewer None Required
Relocation:
No. of 1 per 300 LF Storm Drain
Manholes:
No. of Storm 4 per 300 LF Storm Drain
Inlets:
18" Laterals: 100 LF per 300 LF Storm Drain

MID VALLEY DMP

CITY OF ALBUQUERQUE PROJECT NO. 7963.06

OPINION OF PROBABLE COST FOR CONCEPTUAL DESIGN

FACILITY 7.3 PRIORITY 3 - BUILD 54" STORM DRAIN IN 3RD STREET FROM HANNET TO MCKNIGHT POND AND BUILD THE MCKNIGHT POND

DATE: Monday, March 19, 2012

ROADWAY

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
1	4.010	Construction Staking including staking of project, quantity verification, and as-built information, compl.	1	LS	\$16,500.00	\$16,500.00
2	6.010	Construction Project Sign, per Contract Special Provisions, cip.	2	EA	\$636.93	\$1,273.86
3	19.010	Construction Traffic Control & Barricading, compl.	1	LS	\$11,000.00	\$11,000.00
4	201.010	Site Clearing and Grubbing, compl.	1.2	AC	\$1,281.93	\$1,538.32
5	202.011	Unsuitable Material, Excavate & Disposal, complete	17,973	CY	\$8.55	\$153,669.15
6	301.020	Subgrade Prep. 12" at 95% compaction, cip.	1,330	SY	\$2.00	\$2,660.00
7	302.010	Aggregate Base Course, crushed, 6" at 95% compaction, cip.	1,330	SY	\$6.93	\$9,216.90
8	336.022	Asphalt Concrete Pavement, SP-III, 2 inch thick, machine laydown, cip.	3,990	SY	\$9.52	\$37,984.80
9	336.120	Tack Coat, cationic emulsified asphalt, cip.	2,660	SY	\$0.37	\$984.20
10	340.050	Curb & Gutter, Standard, Portland Cement Concrete, incl. subgrade preparation, cip. SD 2415	160	LF	\$20.31	\$3,249.60
11	343.030	Existing Pavement, Asphalt Concrete, remove & dispose, any thickness, including cement treated base course, compl.	1,330	SY	\$9.51	\$12,648.30
12	343.080	Existing Curb & Gutter, PC Concrete, remove & dispose, complete	160	LF	\$6.42	\$1,027.20
13	410.01X	Tubular Steel Fence, incl. posts & hardware, cip.	800	LF	\$75.00	\$60,000.00
14	510.110	Structural Reinforced PC Concrete, incl. formwork, cip.	21	CY	\$612.43	\$12,861.03
15	515.110	Steel Grate on top of concrete principal spillway, cip.	1	LS	\$2,000.00	\$2,000.00
16	515.120	Concrete Water Quality Feature, cip.	1	LS	\$11,432.00	\$11,432.00
17	602.04X	Shotcrete lining, 3" thick, cip.	1,822	SY	\$27.50	\$50,105.00
18	701.100	Trenching, Backfilling and Compaction, for 18" to 36" RCP, up to 8' in depth, pipe not incl., compl.	200	LF	\$24.02	\$4,804.00
19	701.110	Trenching, Backfilling and Compaction, for 18" to 36" RCP, 8' to 12' in depth, pipe not incl., compl.	100	LF	\$27.25	\$2,725.00
20	701.160	Trenching, Backfilling and Compaction, for 42" to 60" RCP, over 8' to 12' in depth, pipe not incl., compl.	600	LF	\$34.52	\$20,712.00
21	801.002	6" Waterline Pipe excl. fittings, (std. spec. sec. 801), incl. trench & compacted backfill to 6' depth, cip.	40	LF	\$21.28	\$851.20
22	801.055	Existing Waterline, 6" to 14", with fittings, Remove & Dispose, excl. trenching, compl.	40	LF	\$3.82	\$152.80
23	801.059	Non-pressurized Connection, existing waterline, all sizes, incl. fittings, compl.	2	EA	\$1,027.77	\$2,055.54
24	801.065	Ductile Iron MJ Fittings, Class 250, 4" to 14", incl. jointing material, cip.	200	LB	\$3.30	\$660.00
25	801.081	6" Gate Valve, cip. SD 2333	2	EA	\$689.69	\$1,379.38
26	801.101	Gate Valve, 4" to 12" Remove & Relay, compl.	2	EA	\$346.59	\$693.18
27	801.104	Valve Box, Remove & Dispose, compl.	2	EA	\$128.36	\$256.72
28	801.105	Valve Box, SD 2326	2	EA	\$404.35	\$808.70
29	801.150	Mechanical Joint Restraining Gland, DI & PVC, 4"-8", cip.	10	EA	\$75.86	\$758.60
30	801.157	Joint Restraining Harness, DI & PVC, 4"-8", cip.	10	EA	\$78.79	\$787.90
31	910.006	18" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	200	LF	\$39.00	\$7,800.00

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
32	910.010	24" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	100	LF	\$50.04	\$5,004.00
33	910.024	54" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	600	LF	\$197.25	\$118,350.00
34	910.104	Drainline, Remove & Dispose, 21" to 48" excl. trenching & backfilling, compl.	600	LF	\$17.28	\$10,368.00
35	915.010A	Catch Basin, Type "A" Double Grate, cip.	8	EA	\$5,000.00	\$40,000.00
36	915.070	Catch Basin, Existing, Remove & Dispose, any type, including cleanup, complete	4	EA	\$1,103.47	\$4,413.88
37	920.210	Manhole, 8' dia., Type "C" or "E", 6' to 10' deep, cip. SD 2101	2	EA	\$8,338.77	\$16,677.54
38	920.570	Existing Manhole, Remove & Dispose, all depths, 4' 6' dia., complete	2	EA	\$722.69	\$1,445.38
39	1010.01X	Park Development, incl. Landscaping and Equipment, complete	1	AC	\$350,000.00	\$350,000.00
Subtotal of Items 1-39						\$978,854.18
40	621.4.1	Mobilization (not to exceed 5% of above Subtotal)	1	LS	\$48,942.71	\$48,942.71
41	621.4.2	Demobilization (not to exceed 2% of above Subtotal)	1	LS	\$19,577.08	\$19,577.08

a) Subtotal of Item No. 1 through Item No. 41						\$1,047,373.97
b) Contingencies @ 20%						\$209,474.79
c) Subtotal Items and Contingencies						\$1,256,848.76
d) Pre-Construction Costs (Design, Survey, Geotech, & SUE) = 15% of C)						\$188,527.31
e) Subtotal Items, Contingencies and pre-Construction Costs						\$1,445,376.08
f) Property Costs	0	SF		\$19.00		\$0.00
g) Subtotal Items and Property Costs						\$1,445,376.08
h) Allowances						
Project Sign Screen, 2 @ \$ 500.00 per sign					\$1,000.00	
Utility Relocation Allowance					\$10,000.00	
Construction Materials Testing					\$15,000.00	
Total Allowances						\$26,000.00
i) Subtotal - Line g) Subtotal plus Line h) Allowances:						\$1,471,376.08
j) New Mexico Gross Receipts Tax (NMGR):						
on amount on Line i) Subtotal at 7.00%						\$102,996.33
k) TOTAL - Line i) Subtotal plus Line j) NMGR:						\$1,574,372.40

EXISTING UTILITIES IN CORRIDOR:

WATER: 6" & 8" Water Line
SEWER: 10" & 21" SAS

GAS: 2" and 4" Gas Lines in 4th Street
TELEPHONE Fiber Optic and Copper Lines in 4th Street

ASSUMPTIONS:

Property \$19.00 per square foot (average from information
Cost: obtained from Brad Bingham at AMAFCA)
Pavement Arterial/Collector Street Section per COA Dwg. 2407
Section:
Trench 1/2 Street Width
Width:
Water 40 LF per Crossing
Relocation:

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
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Sewer Relocation: None Required
 No. of Manholes: 1 per 300 LF Storm Drain
 No. of Storm Inlets: 4 per 300 LF Storm Drain
 18" Laterals: 100 LF per 300 LF Storm Drain

Fence Around Park (tubular steel fence) and Park Development Costs

Tubular Fence - assume \$75.00 per LF for Fence and \$350,000 per acre for Park from Consensus Planning

Park Development Costs - assume \$350,000 per acre from Consensus Planning (this value is a general cost provided by COA to Consensus Planning)

Principal Spillway Structure

Principal Spillway with inverted ported pipes to control floatables - 1. slab on bottom assume 30 ft. x 20 ft. x 8-in. thick. 2. assume vertical walls 6 ft. tall on 4 sides, 8-in. thick walls and 10 ft. x 10 ft. in plan view. This equates to 21 cy structural concrete. Assume the Steel Grate on top costs \$2000

MID VALLEY DMP

CITY OF ALBUQUERQUE PROJECT NO. 7963.06

OPINION OF PROBABLE COST FOR CONCEPTUAL DESIGN

FACILITY 7.4 - PRIORITY 4 - BUILD 54" STORM DRAIN IN 4TH STREET FROM MCKNIGHT POND TO INDIAN SCHOOL

DATE: Tuesday, February 14, 2012

ROADWAY

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
1	4.010	Construction Staking including staking of project, quantity verification, and as-built information, compl.	1	LS	\$12,000.00	\$12,000.00
2	6.010	Construction Project Sign, per Contract Special Provisions, cip.	2	EA	\$636.93	\$1,273.86
3	19.010	Construction Traffic Control & Barricading, compl.	1	LS	\$8,000.00	\$8,000.00
4	301.020	Subgrade Prep. 12" at 95% compaction, cip.	1,550	SY	\$2.00	\$3,100.00
5	302.010	Aggregate Base Course, crushed, 6" at 95% compaction, cip.	1,550	SY	\$6.93	\$10,741.50
6	336.022	Asphalt Concrete Pavement, SP-III, 2 inch thick, machine laydown, cip.	4,650	SY	\$9.52	\$44,268.00
7	336.120	Tack Coat, cationic emulsified asphalt, cip.	3,100	SY	\$0.37	\$1,147.00
8	340.050	Curb & Gutter, Standard, Portland Cement Concrete, incl. subgrade preparation, cip. SD 2415	240	LF	\$20.31	\$4,874.40
9	343.030	Existing Pavement, Asphalt Concrete, remove & dispose, any thickness, including cement treated base course, compl.	1,550	SY	\$9.51	\$14,740.50
10	343.080	Existing Curb & Gutter, PC Concrete, remove & dispose, complete	240	LF	\$6.42	\$1,540.80
11	701.100	Trenching, Backfilling and Compaction, for 18" to 36" RCP, up to 8' in depth, pipe not incl., compl.	300	LF	\$24.02	\$7,206.00
12	701.160	Trenching, Backfilling and Compaction, for 42" to 60" RCP, over 8' to 12' in depth, pipe not incl., compl.	700	LF	\$34.52	\$24,164.00
13	801.002	6" Waterline Pipe excl. fittings, (std. spec. sec. 801), incl. trench & compacted backfill to 6' depth, cip.	40	LF	\$21.28	\$851.20
14	801.055	Existing Waterline, 6" to 14", with fittings, Remove & Dispose, excl. trenching, compl.	40	LF	\$3.82	\$152.80
15	801.059	Non-pressurized Connection, existing waterline, all sizes, incl. fittings, compl.	2	EA	\$1,027.77	\$2,055.54
16	801.065	Ductile Iron MJ Fittings, Class 250, 4" to 14", incl. jointing material, cip.	200	LB	\$3.30	\$660.00
17	801.081	6" Gate Valve, cip. SD 2333	2	EA	\$689.69	\$1,379.38
18	801.101	Gate Valve, 4" to 12" Remove & Relay, compl.	2	EA	\$346.59	\$693.18
19	801.104	Valve Box, Remove & Dispose, compl.	2	EA	\$128.36	\$256.72
20	801.105	Valve Box, SD 2326	2	EA	\$404.35	\$808.70
21	801.150	Mechanical Joint Restraining Gland, DI & PVC, 4"-8", cip.	10	EA	\$75.86	\$758.60
22	801.157	Joint Restraining Harness, DI & PVC, 4"-8", cip.	10	EA	\$78.79	\$787.90
23	910.006	18" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	300	LF	\$39.00	\$11,700.00
24	910.024	54" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	700	LF	\$197.25	\$138,075.00
25	910.104	Drainline, Remove & Dispose, 21" to 48" excl. trenching & backfilling, compl.	700	LF	\$17.28	\$12,096.00
26	915.010A	Catch Basin, Type "A" Double Gate, cip.	12	EA	\$5,000.00	\$60,000.00
27	915.070	Catch Basin, Existing, Remove & Dispose, any type, including cleanup, complete	6	EA	\$1,103.47	\$6,620.82
28	920.210	Manhole, 8' dia., Type "C" or "E", 6' to 10' deep, cip. SD 2101	3	EA	\$8,338.77	\$25,016.31

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
29	920.570	Existing Manhole, Remove & Dispose, all depths, 4' 6" dia., complete	3	EA	\$722.69	\$2,168.07
Subtotal of Items 1-29						\$397,136.28
30	621.4.1	Mobilization (not to exceed 5% of above Subtotal)	1	LS	\$19,856.81	\$19,856.81
31	621.4.2	Demobilization (not to exceed 2% of above Subtotal)	1	LS	\$7,942.73	\$7,942.73

a) Subtotal of Item No. 1 through Item No. 31						\$424,935.82
b) Contingencies @ 20%						\$84,987.16
c) Subtotal Items and Contingencies						\$509,922.98
d) Pre-Construction Costs (Design, Survey, Geotech, & SUE) = 15% of C)						\$76,488.45
e) Subtotal Items, Contingencies and pre-Construction Costs						\$586,411.43
f) Property Costs	0	SF		\$19.00		\$0.00
g) Subtotal Items and Property Costs						\$586,411.43
h) Allowances						
Project Sign Screen, 2 @ \$ 500.00 per sign					\$1,000.00	
Utility Relocation Allowance					\$10,000.00	
Construction Materials Testing					\$15,000.00	
Total Allowances						\$26,000.00
i) Subtotal - Line g) Subtotal plus Line h) Allowances:						\$612,411.43
j) New Mexico Gross Receipts Tax (NMGR):						
on amount on Line i) Subtotal at 7.00%						\$42,868.80
k) TOTAL - Line i) Subtotal plus Line j) NMGR:						\$655,280.23

EXISTING UTILITIES IN CORRIDOR:

WATER: 6" & 8" Water Line

SEWER: 10" & 21" SAS

GAS: 2" and 4" Gas Lines in 4th Street

TELEPHONE Fiber Optic and Copper Lines in 4th Street

ASSUMPTIONS:

Property \$19.00 per square foot (average from information

Cost: obtained from Brad Bingham at AMAFCA)

Pavement
Section: Arterial/Collector Street Section per COA Dwg. 2407Trench
Width: 1/2 Street WidthWater
Relocation: 40 LF per CrossingSewer
Relocation: None RequiredNo. of
Manholes: 1 per 300 LF Storm DrainNo. of Storm
Inlets: 4 per 300 LF Storm Drain

18" Laterals: 100 LF per 300 LF Storm Drain

MID VALLEY DMP

CITY OF ALBUQUERQUE PROJECT NO. 7963.06

OPINION OF PROBABLE COST FOR CONCEPTUAL DESIGN**FACILITY 7.5 - PRIORITY 5 - BUILD 54" STORM DRAIN IN 4TH STREET FROM INDIAN SCHOOL TO CUTLER**

DATE: Tuesday, February 14, 2012

ROADWAY

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
1	4.010	Construction Staking including staking of project, quantity verification, and as-built information, compl.	1	LS	\$13,500.00	\$13,500.00
2	6.010	Construction Project Sign, per Contract Special Provisions, cip.	2	EA	\$636.93	\$1,273.86
3	19.010	Construction Traffic Control & Barricading, compl.	1	LS	\$9,000.00	\$9,000.00
4	301.020	Subgrade Prep. 12" at 95% compaction, cip.	1,780	SY	\$2.00	\$3,560.00
5	302.010	Aggregate Base Course, crushed, 6" at 95% compaction, cip.	1,780	SY	\$6.93	\$12,335.40
6	336.022	Asphalt Concrete Pavement, SP-III, 2 inch thick, machine laydown, cip.	5,340	SY	\$9.52	\$50,836.80
7	336.120	Tack Coat, cationic emulsified asphalt, cip.	3,560	SY	\$0.37	\$1,317.20
8	340.050	Curb & Gutter, Standard, Portland Cement Concrete, incl. subgrade preparation, cip. SD 2415	240	LF	\$20.31	\$4,874.40
9	343.030	Existing Pavement, Asphalt Concrete, remove & dispose, any thickness, including cement treated base course, compl.	1,780	SY	\$9.51	\$16,927.80
10	343.080	Existing Curb & Gutter, PC Concrete, remove & dispose, complete	240	LF	\$6.42	\$1,540.80
11	701.100	Trenching, Backfilling and Compaction, for 18" to 36" RCP, up to 8' in depth, pipe not incl., compl.	300	LF	\$24.02	\$7,206.00
12	701.160	Trenching, Backfilling and Compaction, for 42" to 60" RCP, over 8' to 12' in depth, pipe not incl., compl.	800	LF	\$34.52	\$27,616.00
13	801.002	6" Waterline Pipe excl. fittings, (std. spec. sec. 801), incl. trench & compacted backfill to 6' depth, cip.	80	LF	\$21.28	\$1,702.40
14	801.055	Existing Waterline, 6" to 14", with fittings, Remove & Dispose, excl. trenching, compl.	80	LF	\$3.82	\$305.60
15	801.059	Non-pressurized Connection, existing waterline, all sizes, incl. fittings, compl.	4	EA	\$1,027.77	\$4,111.08
16	801.065	Ductile Iron MJ Fittings, Class 250, 4" to 14", incl. jointing material, cip.	400	LB	\$3.30	\$1,320.00
17	801.081	6" Gate Valve, cip. SD 2333	4	EA	\$689.69	\$2,758.76
18	801.101	Gate Valve, 4" to 12" Remove & Relay, compl.	4	EA	\$346.59	\$1,386.36
19	801.104	Valve Box, Remove & Dispose, compl.	4	EA	\$128.36	\$513.44
20	801.105	Valve Box, SD 2326	4	EA	\$404.35	\$1,617.40
21	801.150	Mechanical Joint Restraining Gland, DI & PVC, 4"-8", cip.	20	EA	\$75.86	\$1,517.20
22	801.157	Joint Restraining Harness, DI & PVC, 4"-8", cip.	20	EA	\$78.79	\$1,575.80
23	910.006	18" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	300	LF	\$39.00	\$11,700.00
24	910.024	54" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	800	LF	\$197.25	\$157,800.00
25	910.104	Drainline, Remove & Dispose, 21" to 48" excl. trenching & backfilling, compl.	800	LF	\$17.28	\$13,824.00
26	915.010A	Catch Basin, Type "A" Double Grate, cip.	12	EA	\$5,000.00	\$60,000.00
27	915.070	Catch Basin, Existing, Remove & Dispose, any type, including cleanup, complete	6	EA	\$1,103.47	\$6,620.82
28	920.210	Manhole, 8' dia., Type "C" or "E", 6' to 10' deep, cip. SD 2101	3	EA	\$8,338.77	\$25,016.31

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
29	920.570	Existing Manhole, Remove & Dispose, all depths, 4' 6" dia., complete	3	EA	\$722.69	\$2,168.07
Subtotal of Items 1-29						\$443,925.50
30	621.4.1	Mobilization (not to exceed 5% of above Subtotal)	1	LS	\$22,196.28	\$22,196.28
31	621.4.2	Demobilization (not to exceed 2% of above Subtotal)	1	LS	\$8,878.51	\$8,878.51

a) Subtotal of Item No. 1 through Item No. 31						\$475,000.29
b) Contingencies @ 20%						\$95,000.06
c) Subtotal Items and Contingencies						\$570,000.34
d) Pre-Construction Costs (Design, Survey, Geotech, & SUE) = 15% of C)						\$85,500.05
e) Subtotal Items, Contingencies and pre-Construction Costs						\$655,500.39
f) Property Costs	0	SF		\$19.00		\$0.00
g) Subtotal Items and Property Costs						\$655,500.39
h) Allowances						
Project Sign Screen, 2 @ \$ 500.00 per sign					\$1,000.00	
Utility Relocation Allowance					\$10,000.00	
Construction Materials Testing					\$15,000.00	
Total Allowances						\$26,000.00
i) Subtotal - Line g) Subtotal plus Line h) Allowances:						\$681,500.39
j) New Mexico Gross Receipts Tax (NMGR):						
on amount on Line i) Subtotal at 7.00%						\$47,705.03
k) TOTAL - Line i) Subtotal plus Line j) NMGR:						\$729,205.42

EXISTING UTILITIES IN CORRIDOR:

WATER: 6" & 8" Water Line
SEWER: 10" & 21" SAS

GAS: 2" and 4" Gas Lines in 4th Street
TELEPHONE Fiber Optic and Copper Lines in 4th Street

ASSUMPTIONS:

Property \$19.00 per square foot (average from information
Cost: obtained from Brad Bingham)
Pavement Section: Arterial/Collector Street Section per COA Dwg. 2407
Trench Width: 1/2 Street Width
Water Relocation: 40 LF per Crossing
Sewer Relocation: None Required
No. of Manholes: 1 per 300 LF Storm Drain
No. of Storm Inlets: 4 per 300 LF Storm Drain
18" Laterals: 100 LF per 300 LF Storm Drain

MID VALLEY DMP**CITY OF ALBUQUERQUE PROJECT NO. 7963.06****OPINION OF PROBABLE COST FOR CONCEPTUAL DESIGN****FACILITY 8 - BUILD 36" STORM DRAIN CROSS CONNECTION JOIN BARELAS
STORM DRAIN TO PACIFIC STORM DRAIN (at Pacific - Barelas intersection)**

DATE: Tuesday, February 14, 2012

ROADWAY

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
1	4.010	Construction Staking including staking of project, quantity verification, and as-built information, compl.	1	LS	\$4,800.00	\$4,800.00
2	6.010	Construction Project Sign, per Contract Special Provisions, cip.	2	EA	\$636.93	\$1,273.86
3	19.010	Construction Traffic Control & Barricading, compl.	1	LS	\$3,200.00	\$3,200.00
4	301.020	Subgrade Prep. 12" at 95% compaction, cip.	110	SY	\$2.00	\$220.00
5	302.010	Aggregate Base Course, crushed, 6" at 95% compaction, cip.	110	SY	\$6.93	\$762.30
6	336.022	Asphalt Concrete Pavement, SP-III, 2 inch thick, machine laydown, cip.	330	SY	\$9.52	\$3,141.60
7	336.120	Tack Coat, cationic emulsified asphalt, cip.	220	SY	\$0.37	\$81.40
8	343.030	Existing Pavement, Asphalt Concrete, remove & dispose, any thickness, including cement treated base course, compl.	110	SY	\$9.51	\$1,046.10
9	701.100	Trenching, Backfilling and Compaction, for 18" to 36" RCP, up to 8' in depth, pipe not incl., compl.	100	LF	\$24.02	\$2,402.00
10	701.110	Trenching, Backfilling and Compaction, for 18" to 36" RCP, 8'-12' in depth, pipe not incl., compl.	370	LF	\$24.02	\$8,887.40
11	801.002	6" Waterline Pipe excl. fittings, (std. spec. sec. 801), incl. trench & compacted backfill to 6' depth, cip.	80	LF	\$21.28	\$1,702.40
12	801.055	Existing Waterline, 6" to 14", with fittings, Remove & Dispose, excl. trenching, compl.	80	LF	\$3.82	\$305.60
13	801.059	Non-pressurized Connection, existing waterline, all sizes, incl. fittings, compl.	4	EA	\$1,027.77	\$4,111.08
14	801.065	Ductile Iron MJ Fittings, Class 250, 4" to 14", incl. jointing material, cip.	200	LB	\$3.30	\$660.00
15	801.081	6" Gate Valve, cip. SD 2333	2	EA	\$689.69	\$1,379.38
16	801.101	Gate Valve, 4" to 12" Remove & Relay, compl.	2	EA	\$346.59	\$693.18
17	801.104	Valve Box, Remove & Dispose, compl.	2	EA	\$128.36	\$256.72
18	801.105	Valve Box, SD 2326	2	EA	\$404.35	\$808.70
19	801.150	Mechanical Joint Restraining Gland, DI & PVC, 4"-8", cip.	20	EA	\$75.86	\$1,517.20
20	801.157	Joint Restraining Harness, DI & PVC, 4"-8", cip.	20	EA	\$78.79	\$1,575.80
21	910.006	18" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	100	LF	\$39.00	\$3,900.00
22	910.018	36" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	370	LF	\$100.00	\$37,000.00
23	910.104	Drainline, Remove & Dispose, 21" to 48" excl. trenching & backfilling, compl.	370	LF	\$17.28	\$6,393.60
24	915.010A	Catch Basin, Type "A" Double Grate, cip.	4	EA	\$5,000.00	\$20,000.00
25	915.070	Catch Basin, Existing, Remove & Dispose, any type, including cleanup, complete	4	EA	\$1,103.47	\$4,413.88
26	920.210	Manhole, 8' dia., Type "C" or "E", 6' to 10' deep, cip. SD 2101	2	EA	\$8,338.77	\$16,677.54
27	920.570	Existing Manhole, Remove & Dispose, all depths, 4' 6' dia., complete	2	EA	\$722.69	\$1,445.38
Subtotal of Items 1-27						\$128,655.12
28	621.4.1	Mobilization (not to exceed 5% of above Subtotal)	1	LS	\$6,432.76	\$6,432.76

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
29	621.4.2	Demobilization (not to exceed 2% of above Subtotal)	1	LS	\$2,573.10	\$2,573.10

a) Subtotal of Item No. 1 through Item No. 29						<u>\$137,660.98</u>
b) Contingencies @ 20%						<u>\$27,532.20</u>
c) Subtotal Items and Contingencies						\$165,193.17
d) Pre-Construction Costs (Design, Survey, Geotech, & SUE) = 15% of C)						<u>\$24,778.98</u>
e) Subtotal Items, Contingencies and pre-Construction Costs						\$189,972.15
f) Property Costs	0	SF		\$19.00		<u>\$0.00</u>
g) Subtotal Items and Property Costs						\$189,972.15
h) Allowances						
Project Sign Screen, 2 @ \$ 500.00 per sign					\$1,000.00	
Utility Relocation Allowance					\$5,000.00	
Construction Materials Testing					\$5,000.00	
Total Allowances						<u>\$11,000.00</u>
i) Subtotal - Line g) Subtotal plus Line h) Allowances:						\$200,972.15
j) New Mexico Gross Receipts Tax (NMGR):						
on amount on Line i) Subtotal at 7.00%						<u>\$14,068.05</u>
k) TOTAL - Line i) Subtotal plus Line j) NMGR:						\$215,040.20

EXISTING UTILITIES IN CORRIDOR:

WATER: 6" Water Line
SEWER: 8", 36" & 60" SAS

GAS: No Gas Information
TELEPHONE: Buried Copper in Barelas and Overhead Lines

ASSUMPTIONS:

Property \$19.00 per square foot (average from information
Cost: obtained from Brad Bingham at AMAFCA)
Pavement Arterial/Collector Street Section per COA Dwg. 2407
Section:
Trench 1/2 Street Width
Width:
Water 40 LF per Crossing
Relocation:
Sewer None Required
Relocation:
No. of 1 per 300 LF Storm Drain
Manholes:
No. of Storm 4 per 300 LF Storm Drain
Inlets:
18" Laterals: 100 LF per 300 LF Storm Drain

MID VALLEY DMP

CITY OF ALBUQUERQUE PROJECT NO. 7963.06

OPINION OF PROBABLE COST FOR CONCEPTUAL DESIGN

FACILITY 9.1 - PRIORITY 1 - BUILD 54" STORM DRAIN IN LAGUNA FROM KIT CARSON TO SAN PASQUALE THEN CONTINUE IN SAN PASQUALE TO LOS ALAMOS

DATE: Tuesday, February 14, 2012

ROADWAY

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
1	4.010	Construction Staking including staking of project, quantity verification, and as-built information, compl.	1	LS	\$26,300.00	\$26,300.00
2	6.010	Construction Project Sign, per Contract Special Provisions, cip.	2	EA	\$636.93	\$1,273.86
3	19.010	Construction Traffic Control & Barricading, compl.	1	LS	\$17,500.00	\$17,500.00
4	301.020	Subgrade Prep. 12" at 95% compaction, cip.	2,900	SY	\$2.00	\$5,800.00
5	302.010	Aggregate Base Course, crushed, 6" at 95% compaction, cip.	2,900	SY	\$6.93	\$20,097.00
6	336.022	Asphalt Concrete Pavement, SP-III, 2 inch thick, machine laydown, cip.	8,700	SY	\$9.52	\$82,824.00
7	336.120	Tack Coat, cationic emulsified asphalt, cip.	5,800	SY	\$0.37	\$2,146.00
8	340.050	Curb & Gutter, Standard, Portland Cement Concrete, incl. subgrade preparation, cip. SD 2415	400	LF	\$20.31	\$8,124.00
9	343.030	Existing Pavement, Asphalt Concrete, remove & dispose, any thickness, including cement treated base course, compl.	2,900	SY	\$9.51	\$27,579.00
10	343.080	Existing Curb & Gutter, PC Concrete, remove & dispose, complete	400	LF	\$6.42	\$2,568.00
11	701.100	Trenching, Backfilling and Compaction, for 18" to 36" RCP, up to 8' in depth, pipe not incl., compl.	500	LF	\$24.02	\$12,010.00
12	701.160	Trenching, Backfilling and Compaction, for 42" to 60" RCP, over 8' to 12' in depth, pipe not incl., compl.	1,300	LF	\$34.52	\$44,876.00
13	801.002	6" Waterline Pipe excl. fittings, (std. spec. sec. 801), incl. trench & compacted backfill to 6' depth, cip.	40	LF	\$21.28	\$851.20
14	801.007	16" Waterline Pipe excl. fittings, (std. spec. sec. 801), incl. trench & compacted backfill to 6' depth, cip.	40	LF	\$70.60	\$2,824.00
15	801.055	Existing Waterline, 6" to 14", with fittings, Remove & Dispose, excl. trenching, compl.	80	LF	\$3.82	\$305.60
16	801.059	Non-pressurized Connection, existing waterline, all sizes, incl. fittings, compl.	2	EA	\$1,027.77	\$2,055.54
17	801.065	Ductile Iron MJ Fittings, Class 250, 4" to 14", incl. jointing material, cip.	500	LB	\$3.30	\$1,650.00
18	801.081	6" Gate Valve, cip. SD 2333	1	EA	\$689.69	\$689.69
19	801.087	16" Butterfly Valve, w/3in operation nut, cip. SD 2351	1	EA	\$5,058.85	\$5,058.85
20	801.101	Gate Valve, 4" to 12" Remove & Relay, compl.	2	EA	\$346.59	\$693.18
21	801.104	Valve Box, Remove & Dispose, compl.	2	EA	\$128.36	\$256.72
22	801.105	Valve Box, SD 2326	2	EA	\$404.35	\$808.70
23	801.150	Mechanical Joint Restraining Gland, DI & PVC, 4"-8", cip.	10	EA	\$75.86	\$758.60
24	801.151	Mechanical Joint Restraining Gland, DI & PVC, 10"-12", cip.	10	EA	\$111.35	\$1,113.50
25	801.157	Joint Restraining Harness, DI & PVC, 4"-8", cip.	10	EA	\$78.79	\$787.90
26	801.158	Joint Restraining Harness, DI & PVC, 10"-12", cip.	10	EA	\$85.08	\$850.80
27	910.006	18" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	500	LF	\$39.00	\$19,500.00
28	910.024	54" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	1,300	LF	\$197.25	\$256,425.00

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
29	910.104	Drainline, Remove & Dispose, 21" to 48" excl. trenching & backfilling, compl.	1,300	LF	\$17.28	\$22,464.00
30	915.010A	Catch Basin, Type "A" Double Grate, cip.	20	EA	\$5,000.00	\$100,000.00
31	915.070	Catch Basin, Existing, Remove & Dispose, any type, including cleanup, complete	10	EA	\$1,103.47	\$11,034.70
32	920.210	Manhole, 8' dia., Type "C" or "E", 6' to 10' deep, cip. SD 2101	5	EA	\$8,338.77	\$41,693.85
33	920.570	Existing Manhole, Remove & Dispose, all depths, 4' 6' dia., complete	5	EA	\$722.69	\$3,613.45
Subtotal of Items 1-33						\$724,533.14
34	621.4.1	Mobilization (not to exceed 5% of above Subtotal)	1	LS	\$36,226.66	\$36,226.66
35	621.4.2	Demobilization (not to exceed 2% of above Subtotal)	1	LS	\$14,490.66	\$14,490.66

a) Subtotal of Item No. 1 through Item No. 35	\$775,250.46
b) Contingencies @ 20%	\$155,050.09
c) Subtotal Items and Contingencies	\$930,300.55
d) Pre-Construction Costs (Design, Survey, Geotech, & SUE) = 15% of C)	\$139,545.08
e) Subtotal Items, Contingencies and pre-Construction Costs	\$1,069,845.63
f) Property Costs	\$0.00
g) Subtotal Items and Property Costs	\$1,069,845.63
h) Allowances	
Project Sign Screen, 2 @ \$ 500.00 per sign	\$1,000.00
Utility Relocation Allowance	\$15,000.00
Construction Materials Testing	\$15,000.00
Total Allowances	\$31,000.00
i) Subtotal - Line g) Subtotal plus Line h) Allowances:	\$1,100,845.63
j) New Mexico Gross Receipts Tax (NMGR): on amount on Line i) Subtotal at 7.00%	\$77,059.19
k) TOTAL - Line i) Subtotal plus Line j) NMGR:	\$1,177,904.83
EXISTING UTILITIES IN CORRIDOR:	
WATER: 6", 8", 10", 12", & 16" Water Line	
SEWER: 8" & 18" SAS	

GAS: 10" Gas Line in Rio Grande, 8" Gas Line in Chacoma, 4" Gas Line in San Pasquale and Laguna

TELEPHONE: Fiber Optic and Copper in Rio Grande, Overhead Lines in Chacoma, No Facilities in San Pasquale, Copper Line in Laguna

ASSUMPTIONS:

Property \$19.00 per square foot (average from information Cost: obtained from Brad Bingham at AMAFCA)

Pavement Section: Arterial/Collector Street Section per COA Dwg. 2407

Trench Width: 1/2 Street Width

Water Relocation: 40 LF per Crossing

Sewer Relocation: None Required

No. of Manholes: 1 per 300 LF Storm Drain

No. of Storm Inlets: 4 per 300 LF Storm Drain

18" Laterals: 100 LF per 300 LF Storm Drain

MID VALLEY DMP

CITY OF ALBUQUERQUE PROJECT NO. 7963.06

OPINION OF PROBABLE COST FOR CONCEPTUAL DESIGN

FACILITY 9.2 - PRIORITY 2 - BUILD 54" STORM DRAIN IN SAN PASQUALE FROM LOS ALAMOS TO CHACOMA, THEN CONTINUE IN CHACOMA TO ALHAMBRA - RIO GRANDE INTERSECTION

DATE: Tuesday, February 14, 2012

ROADWAY

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
1	4.010	Construction Staking including staking of project, quantity verification, and as-built information, compl.	1	LS	\$33,300.00	\$33,300.00
2	6.010	Construction Project Sign, per Contract Special Provisions, cip.	2	EA	\$636.93	\$1,273.86
3	19.010	Construction Traffic Control & Barricading, compl.	1	LS	\$22,200.00	\$22,200.00
4	301.020	Subgrade Prep. 12" at 95% compaction, cip.	3,750	SY	\$2.00	\$7,500.00
5	302.010	Aggregate Base Course, crushed, 6" at 95% compaction, cip.	3,750	SY	\$6.93	\$25,987.50
6	336.022	Asphalt Concrete Pavement, SP-III, 2 inch thick, machine laydown, cip.	11,250	SY	\$9.52	\$107,100.00
7	336.120	Tack Coat, cationic emulsified asphalt, cip.	7,500	SY	\$0.37	\$2,775.00
8	340.050	Curb & Gutter, Standard, Portland Cement Concrete, incl. subgrade preparation, cip. SD 2415	480	LF	\$20.31	\$9,748.80
9	343.030	Existing Pavement, Asphalt Concrete, remove & dispose, any thickness, including cement treated base course, compl.	3,750	SY	\$9.51	\$35,662.50
10	343.080	Existing Curb & Gutter, PC Concrete, remove & dispose, complete	480	LF	\$6.42	\$3,081.60
11	701.100	Trenching, Backfilling and Compaction, for 18" to 36" RCP, up to 8' in depth, pipe not incl., compl.	600	LF	\$24.02	\$14,412.00
12	701.160	Trenching, Backfilling and Compaction, for 42" to 60" RCP, over 8' to 12' in depth, pipe not incl., compl.	1,680	LF	\$34.52	\$57,993.60
13	801.002	6" Waterline Pipe excl. fittings, (std. spec. sec. 801), incl. trench & compacted backfill to 6' depth, cip.	40	LF	\$21.28	\$851.20
14	801.005	12" Waterline Pipe excl. fittings, (std. spec. sec. 801), incl. trench & compacted backfill to 6' depth, cip.	40	LF	\$28.20	\$1,128.00
15	801.007	16" Waterline Pipe excl. fittings, (std. spec. sec. 801), incl. trench & compacted backfill to 6' depth, cip.	40	LF	\$70.60	\$2,824.00
16	801.055	Existing Waterline, 6" to 14", with fittings, Remove & Dispose, excl. trenching, compl.	120	LF	\$3.82	\$458.40
17	801.059	Non-pressurized Connection, existing waterline, all sizes, incl. fittings, compl.	6	EA	\$1,027.77	\$6,166.62
18	801.065	Ductile Iron MJ Fittings, Class 250, 4" to 14", incl. jointing material, cip.	1,000	LB	\$3.30	\$3,300.00
19	801.081	6" Gate Valve, cip. SD 2333	1	EA	\$689.69	\$689.69
20	801.084	12" Gate Valve, cip. SD 2333	1	EA	\$1,473.70	\$1,473.70
21	801.087	16" Butterfly Valve, w/3in operation nut, cip. SD 2351	1	EA	\$5,058.85	\$5,058.85
22	801.101	Gate Valve, 4" to 12" Remove & Relay, compl.	3	EA	\$346.59	\$1,039.77
23	801.104	Valve Box, Remove & Dispose, compl.	3	EA	\$128.36	\$385.08
24	801.105	Valve Box, SD 2326	3	EA	\$404.35	\$1,213.05
25	801.150	Mechanical Joint Restraining Gland, DI & PVC, 4"-8", cip.	10	EA	\$75.86	\$758.60
26	801.151	Mechanical Joint Restraining Gland, DI & PVC, 10"-12", cip.	20	EA	\$111.35	\$2,227.00
27	801.157	Joint Restraining Harness, DI & PVC, 4"-8", cip.	10	EA	\$78.79	\$787.90
28	801.158	Joint Restraining Harness, DI & PVC, 10"-12", cip.	20	EA	\$85.08	\$1,701.60

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
29	910.006	18" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	600	LF	\$39.00	\$23,400.00
30	910.024	54" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	1,680	LF	\$197.25	\$331,380.00
31	910.104	Drainline, Remove & Dispose, 21" to 48" excl. trenching & backfilling, compl.	1,680	LF	\$17.28	\$29,030.40
32	915.010A	Catch Basin, Type "A" Double Grate, cip.	24	EA	\$5,000.00	\$120,000.00
33	915.070	Catch Basin, Existing, Remove & Dispose, any type, including cleanup, complete	12	EA	\$1,103.47	\$13,241.64
34	920.210	Manhole, 8' dia., Type "C" or "E", 6' to 10' deep, cip. SD 2101	6	EA	\$8,338.77	\$50,032.62
35	920.570	Existing Manhole, Remove & Dispose, all depths, 4' 6' dia., complete	6	EA	\$722.69	\$4,336.14
Subtotal of Items 1-35						\$922,519.12
36	621.4.1	Mobilization (not to exceed 5% of above Subtotal)	1	LS	\$46,125.96	\$46,125.96
37	621.4.2	Demobilization (not to exceed 2% of above Subtotal)	1	LS	\$18,450.38	\$18,450.38

a) Subtotal of Item No. 1 through Item No. 37						\$987,095.46
b) Contingencies @ 20%						\$197,419.09
c) Subtotal Items and Contingencies						\$1,184,514.55
d) Pre-Construction Costs (Design, Survey, Geotech, & SUE) = 15% of C)						\$177,677.18
e) Subtotal Items, Contingencies and pre-Construction Costs						\$1,362,191.73
f) Property Costs	0	SF		\$19.00		\$0.00
g) Subtotal Items and Property Costs						\$1,362,191.73
h) Allowances						
Project Sign Screen, 2 @ \$ 500.00 per sign					\$1,000.00	
Utility Relocation Allowance					\$15,000.00	
Construction Materials Testing					\$15,000.00	
Total Allowances						\$31,000.00
i) Subtotal - Line g) Subtotal plus Line h) Allowances:						\$1,393,191.73
j) New Mexico Gross Receipts Tax (NMGR):						
on amount on Line i) Subtotal at 7.00%						\$97,523.42
k) TOTAL - Line i) Subtotal plus Line j) NMGR:						\$1,490,715.15

EXISTING UTILITIES IN CORRIDOR:

WATER: 6", 8", 10", 12", & 16" Water Line
SEWER: 8" & 18" SAS

GAS: 10" Gas Line in Rio Grande, 8" Gas Line in Chacoma, 4" Gas Line in San Pasquale and Laguna

TELEPHONE Fiber Optic and Copper in Rio Grande, Overhead Lines in Chacoma, No Facilities in San Pasquale, Copper Line in Laguna

ASSUMPTIONS:

Property \$19.00 per square foot (average from information Cost: obtained from Brad Bingham at AMAFCA)
Pavement Arterial/Collector Street Section per COA Dwg. 2407
Section:
Trench 1/2 Street Width
Width:
Water 40 LF per Crossing
Relocation:
Sewer None Required
Relocation:
No. of 1 per 300 LF Storm Drain
Manholes:
No. of Storm 4 per 300 LF Storm Drain
Inlets:
18" Laterals: 100 LF per 300 LF Storm Drain

MID VALLEY DMP

CITY OF ALBUQUERQUE PROJECT NO. 7963.06

OPINION OF PROBABLE COST FOR CONCEPTUAL DESIGN

**FACILITY 9.3 - PRIORITY 3 - BUILD 54" STORM DRAIN IN RIO GRANDE
FROM ALHAMBRA TO DORA**

DATE: Tuesday, February 14, 2012

ROADWAY

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
1	4.010	Construction Staking including staking of project, quantity verification, and as-built information, compl.	1	LS	\$33,300.00	\$33,300.00
2	6.010	Construction Project Sign, per Contract Special Provisions, cip.	2	EA	\$636.93	\$1,273.86
3	19.010	Construction Traffic Control & Barricading, compl.	1	LS	\$22,200.00	\$22,200.00
4	301.020	Subgrade Prep. 12" at 95% compaction, cip.	3,750	SY	\$2.00	\$7,500.00
5	302.010	Aggregate Base Course, crushed, 6" at 95% compaction, cip.	3,750	SY	\$6.93	\$25,987.50
6	336.022	Asphalt Concrete Pavement, SP-III, 2 inch thick, machine laydown, cip.	11,250	SY	\$9.52	\$107,100.00
7	336.120	Tack Coat, cationic emulsified asphalt, cip.	7,500	SY	\$0.37	\$2,775.00
8	340.050	Curb & Gutter, Standard, Portland Cement Concrete, incl. subgrade preparation, cip. SD 2415	480	LF	\$20.31	\$9,748.80
9	343.030	Existing Pavement, Asphalt Concrete, remove & dispose, any thickness, including cement treated base course, compl.	3,750	SY	\$9.51	\$35,662.50
10	343.080	Existing Curb & Gutter, PC Concrete, remove & dispose, complete	480	LF	\$6.42	\$3,081.60
11	701.100	Trenching, Backfilling and Compaction, for 18" to 36" RCP, up to 8' in depth, pipe not incl., compl.	600	LF	\$24.02	\$14,412.00
12	701.160	Trenching, Backfilling and Compaction, for 42" to 60" RCP, over 8' to 12' in depth, pipe not incl., compl.	1,700	LF	\$34.52	\$58,684.00
13	801.002	6" Waterline Pipe excl. fittings, (std. spec. sec. 801), incl. trench & compacted backfill to 6' depth, cip.	80	LF	\$21.28	\$1,702.40
14	801.007	16" Waterline Pipe excl. fittings, (std. spec. sec. 801), incl. trench & compacted backfill to 6' depth, cip.	40	LF	\$70.60	\$2,824.00
15	801.055	Existing Waterline, 6" to 14", with fittings, Remove & Dispose, excl. trenching, compl.	120	LF	\$3.82	\$458.40
16	801.059	Non-pressurized Connection, existing waterline, all sizes, incl. fittings, compl.	6	EA	\$1,027.77	\$6,166.62
17	801.065	Ductile Iron MJ Fittings, Class 250, 4" to 14", incl. jointing material, cip.	800	LB	\$3.30	\$2,640.00
18	801.081	6" Gate Valve, cip. SD 2333	2	EA	\$689.69	\$1,379.38
19	801.087	16" Butterfly Valve, w/3in operation nut, cip. SD 2351	1	EA	\$5,058.85	\$5,058.85
20	801.101	Gate Valve, 4" to 12" Remove & Relay, compl.	3	EA	\$346.59	\$1,039.77
21	801.104	Valve Box, Remove & Dispose, compl.	3	EA	\$128.36	\$385.08
22	801.105	Valve Box, SD 2326	3	EA	\$404.35	\$1,213.05
23	801.150	Mechanical Joint Restraining Gland, DI & PVC, 4"-8", cip.	20	EA	\$75.86	\$1,517.20
24	801.151	Mechanical Joint Restraining Gland, DI & PVC, 10"-12", cip.	10	EA	\$111.35	\$1,113.50
25	801.157	Joint Restraining Harness, DI & PVC, 4"-8", cip.	20	EA	\$78.79	\$1,575.80
26	801.158	Joint Restraining Harness, DI & PVC, 10"-12", cip.	10	EA	\$85.08	\$850.80
27	910.006	18" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	600	LF	\$39.00	\$23,400.00
28	910.024	54" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	1,700	LF	\$197.25	\$335,325.00

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
29	910.104	Drainline, Remove & Dispose, 21" to 48" excl. trenching & backfilling, compl.	1,700	LF	\$17.28	\$29,376.00
30	915.010A	Catch Basin, Type "A" Double Grate, cip.	24	EA	\$5,000.00	\$120,000.00
31	915.070	Catch Basin, Existing, Remove & Dispose, any type, including cleanup, complete	12	EA	\$1,103.47	\$13,241.64
32	920.210	Manhole, 8' dia., Type "C" or "E", 6' to 10' deep, cip. SD 2101	6	EA	\$8,338.77	\$50,032.62
33	920.570	Existing Manhole, Remove & Dispose, all depths, 4' 6' dia., complete	6	EA	\$722.69	\$4,336.14
Subtotal of Items 1-33						\$925,361.51
34	621.4.1	Mobilization (not to exceed 5% of above Subtotal)	1	LS	\$46,268.08	\$46,268.08
35	621.4.2	Demobilization (not to exceed 2% of above Subtotal)	1	LS	\$18,507.23	\$18,507.23

a) Subtotal of Item No. 1 through Item No. 35						\$990,136.82
b) Contingencies @ 20%						\$198,027.36
c) Subtotal Items and Contingencies						\$1,188,164.18
d) Pre-Construction Costs (Design, Survey, Geotech, & SUE) = 15% of C)						\$178,224.63
e) Subtotal Items, Contingencies and pre-Construction Costs						\$1,366,388.81
f) Property Costs	0	SF		\$19.00		\$0.00
g) Subtotal Items and Property Costs						\$1,366,388.81
h) Allowances						
Project Sign Screen, 2 @ \$ 500.00 per sign					\$1,000.00	
Utility Relocation Allowance					\$15,000.00	
Construction Materials Testing					\$15,000.00	
Total Allowances						\$31,000.00
i) Subtotal - Line g) Subtotal plus Line h) Allowances:						\$1,397,388.81
j) New Mexico Gross Receipts Tax (NMGR):						
on amount on Line i) Subtotal at 7.00%						\$97,817.22
k) TOTAL - Line i) Subtotal plus Line j) NMGR:						\$1,495,206.02
EXISTING UTILITIES IN CORRIDOR:						
WATER: 6", 8", 10", 12", & 16" Water Line						
SEWER: 8" & 18" SAS						

GAS: 10" Gas Line in Rio Grande, 8" Gas Line in Chacoma, 4" Gas Line in San Pasquale and Laguna

TELEPHONE Fiber Optic and Copper in Rio Grande, Overhead Lines in Chacoma, No Facilities in San Pasquale, Copper Line in Laguna

ASSUMPTIONS:

Property \$19.00 per square foot (average from information Cost: obtained from Brad Bingham at AMAFCA)

Pavement Section: Arterial/Collector Street Section per COA Dwg. 2407

Trench Width: 1/2 Street Width

Water Relocation: 40 LF per Crossing

Sewer Relocation: None Required

No. of Manholes: 1 per 300 LF Storm Drain

No. of Storm Inlets: 4 per 300 LF Storm Drain

18" Laterals: 100 LF per 300 LF Storm Drain

MID VALLEY DMP

CITY OF ALBUQUERQUE PROJECT NO. 7963.06

OPINION OF PROBABLE COST FOR CONCEPTUAL DESIGN

**FACILITY 9.4 - PRIORITY 4 - BUILD 54" STORM DRAIN IN RIO GRANDE
FROM DORA TO CARSON**

DATE: Tuesday, February 14, 2012

ROADWAY

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
1	4.010	Construction Staking including staking of project, quantity verification, and as-built information, compl.	1	LS	\$27,300.00	\$27,300.00
2	6.010	Construction Project Sign, per Contract Special Provisions, cip.	2	EA	\$636.93	\$1,273.86
3	19.010	Construction Traffic Control & Barricading, compl.	1	LS	\$18,200.00	\$18,200.00
4	301.020	Subgrade Prep. 12" at 95% compaction, cip.	3,000	SY	\$2.00	\$6,000.00
5	302.010	Aggregate Base Course, crushed, 6" at 95% compaction, cip.	3,000	SY	\$6.93	\$20,790.00
6	336.022	Asphalt Concrete Pavement, SP-III, 2 inch thick, machine laydown, cip.	9,000	SY	\$9.52	\$85,680.00
7	336.120	Tack Coat, cationic emulsified asphalt, cip.	6,000	SY	\$0.37	\$2,220.00
8	340.050	Curb & Gutter, Standard, Portland Cement Concrete, incl. subgrade preparation, cip. SD 2415	400	LF	\$20.31	\$8,124.00
9	343.030	Existing Pavement, Asphalt Concrete, remove & dispose, any thickness, including cement treated base course, compl.	3,000	SY	\$9.51	\$28,530.00
10	343.080	Existing Curb & Gutter, PC Concrete, remove & dispose, complete	400	LF	\$6.42	\$2,568.00
11	701.100	Trenching, Backfilling and Compaction, for 18" to 36" RCP, up to 8' in depth, pipe not incl., compl.	500	LF	\$24.02	\$12,010.00
12	701.160	Trenching, Backfilling and Compaction, for 42" to 60" RCP, over 8' to 12' in depth, pipe not incl., compl.	1,350	LF	\$34.52	\$46,602.00
13	801.002	6" Waterline Pipe excl. fittings,(std. spec. sec. 801), incl. trench & compacted backfill to 6' depth, cip.	40	LF	\$21.28	\$851.20
14	801.004	10" Waterline Pipe excl. fittings,(std. spec. sec. 801), incl. trench & compacted backfill to 6' depth, cip.	40	LF	\$26.66	\$1,066.40
15	801.007	16" Waterline Pipe excl. fittings,(std. spec. sec. 801), incl. trench & compacted backfill to 6' depth, cip.	40	LF	\$70.60	\$2,824.00
16	801.055	Existing Waterline, 6" to 14", with fittings, Remove & Dispose, excl. trenching, compl.	120	LF	\$3.82	\$458.40
17	801.059	Non-pressurized Connection, existing waterline, all sizes, incl. fittings, compl.	6	EA	\$1,027.77	\$6,166.62
18	801.065	Ductile Iron MJ Fittings, Class 250, 4" to 14", incl. jointing material, cip.	1,000	LB	\$3.30	\$3,300.00
19	801.081	6" Gate Valve, cip. SD 2333	1	EA	\$689.69	\$689.69
20	801.083	10" Gate Valve, cip. SD 2333	1	EA	\$2,248.18	\$2,248.18
21	801.087	16" Butterfly Valve, w/3in operation nut, cip. SD 2351	1	EA	\$5,058.85	\$5,058.85
22	801.101	Gate Valve, 4" to 12" Remove & Relay, compl.	3	EA	\$346.59	\$1,039.77
23	801.104	Valve Box, Remove & Dispose, compl.	3	EA	\$128.36	\$385.08
24	801.105	Valve Box, SD 2326	3	EA	\$404.35	\$1,213.05
25	801.150	Mechanical Joint Restraining Gland, DI & PVC, 4"-8", cip.	10	EA	\$75.86	\$758.60
26	801.151	Mechanical Joint Restraining Gland, DI & PVC, 10"-12", cip.	20	EA	\$111.35	\$2,227.00
27	801.157	Joint Restraining Harness, DI & PVC, 4"-8", cip.	10	EA	\$78.79	\$787.90
28	801.158	Joint Restraining Harness, DI & PVC, 10"-12", cip.	20	EA	\$85.08	\$1,701.60

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
29	910.006	18" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	500	LF	\$39.00	\$19,500.00
30	910.024	54" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	1,350	LF	\$197.25	\$266,287.50
31	910.104	Drainline, Remove & Dispose, 21" to 48" excl. trenching & backfilling, compl.	1,350	LF	\$17.28	\$23,328.00
32	915.010A	Catch Basin, Type "A" Double Grate, cip.	20	EA	\$5,000.00	\$100,000.00
33	915.070	Catch Basin, Existing, Remove & Dispose, any type, including cleanup, complete	10	EA	\$1,103.47	\$11,034.70
34	920.210	Manhole, 8' dia., Type "C" or "E", 6' to 10' deep, cip. SD 2101	5	EA	\$8,338.77	\$41,693.85
35	920.570	Existing Manhole, Remove & Dispose, all depths, 4' 6' dia., complete	5	EA	\$722.69	\$3,613.45
Subtotal of Items 1-35						\$755,531.70
36	621.4.1	Mobilization (not to exceed 5% of above Subtotal)	1	LS	\$37,776.59	\$37,776.59
37	621.4.2	Demobilization (not to exceed 2% of above Subtotal)	1	LS	\$15,110.63	\$15,110.63

a) Subtotal of Item No. 1 through Item No. 37						\$808,418.92
b) Contingencies @ 20%						\$161,683.78
c) Subtotal Items and Contingencies						\$970,102.70
d) Pre-Construction Costs (Design, Survey, Geotech, & SUE) = 15% of C)						\$145,515.41
e) Subtotal Items, Contingencies and pre-Construction Costs						\$1,115,618.11
f) Property Costs	0	SF		\$19.00		\$0.00
g) Subtotal Items and Property Costs						\$1,115,618.11
h) Allowances						
Project Sign Screen, 2 @ \$ 500.00 per sign					\$1,000.00	
Utility Relocation Allowance					\$15,000.00	
Construction Materials Testing					\$15,000.00	
Total Allowances						\$31,000.00
i) Subtotal - Line g) Subtotal plus Line h) Allowances:						\$1,146,618.11
j) New Mexico Gross Receipts Tax (NMGR):						
on amount on Line i) Subtotal at 7.00%						\$80,263.27
k) TOTAL - Line i) Subtotal plus Line j) NMGR:						\$1,226,881.38

EXISTING UTILITIES IN CORRIDOR:

WATER: 6", 8", 10", 12", & 16" Water Line
SEWER: 8" & 18" SAS

GAS: 10" Gas Line in Rio Grande, 8" Gas Line in Chacoma, 4" Gas Line in San Pasquale and Laguna

TELEPHONE Fiber Optic and Copper in Rio Grande, Overhead Lines in Chacoma, No Facilities in San Pasquale, Copper Line in Laguna

ASSUMPTIONS:

Property \$19.00 per square foot (average from information Cost: obtained from Brad Bingham at AMAFCA)
Pavement Arterial/Collector Street Section per COA Dwg. 2407
Section:
 Trench 1/2 Street Width
 Width:
 Water 40 LF per Crossing
Relocation:
 Sewer None Required
Relocation:
 No. of Manholes: 1 per 300 LF Storm Drain
No. of Storm Inlets: 4 per 300 LF Storm Drain
18" Laterals: 100 LF per 300 LF Storm Drain

MID VALLEY DMP

CITY OF ALBUQUERQUE PROJECT NO. 7963.06

OPINION OF PROBABLE COST FOR CONCEPTUAL DESIGN

FACILITY 10 - SELL THE BROADWAY-LOMAS POND PROPERTY

DATE: Tuesday, February 14, 2012

a) Property Costs	120,574	SF	\$19.00	<u>\$2,290,906.00</u>
b) New Mexico Gross Receipts Tax (NMGRT): on amount on Line a) Subtotal at 7.00%				<u>\$160,363.42</u>
c) TOTAL - Line a) Subtotal plus Line b) NMGRT:				\$2,451,269.42

EXISTING UTILITIES IN CORRIDOR:

WATER: 6" & 8" Water Line

SEWER: 8" & 12" SAS

GAS: 8" Gas Line

TELEPHONE Fiber Optic Line

ASSUMPTIONS:Property \$19.00 per square foot (average from information
Cost: obtained from Brad Bingham at AMAFCA)Property The entire property at Broadway and Marble will be
Purchase: purchased for Marble-Arno Pond

MID VALLEY DMP

CITY OF ALBUQUERQUE PROJECT NO. 7963.06

OPINION OF PROBABLE COST FOR CONCEPTUAL DESIGN

**FACILITY 11 - BUILD A NEW BROADWAY PUMP STATION
AT 150 CFS CAPACITY****ASSUME MOLZEN-CORBIN FEE ESTIMATE AS LISTED BELOW**

DATE: Thursday, October 13, 2011

Broadway Pump Station Design Analysis Report, Mozen & Corbin, July 2008

New Pump Station Construction Costs	\$	7,607,000
New Pump Station Costs for 2 new 12,470 V electrical feeders	\$	5,000,000
= \$10,000,000 However COA March 2012 suggests only 1 feeder		
= \$5,000,000	TOTAL	\$ 12,607,000

MID VALLEY DMP

CITY OF ALBUQUERQUE PROJECT NO. 7963.06

OPINION OF PROBABLE COST FOR CONCEPTUAL DESIGN

FACILITY 12 - BUILD NEW 24-IN. STORM DRAIN IN EDITH FROM THE EDITH-ODELIA INTERSECTION NORTH TO THE EDITH-HANNETT INTERSECTION, THEN WEST ON HANNETT AND OUTFALL INTO SANTA BARBARA PARK POND NEAR BROADWAY

DATE: Thursday, October 13, 2011

ROADWAY

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
1	4.010	Construction Staking including staking of project, quantity verification, and as-built information, compl.	1	LS	\$16,500.00	\$16,500.00
2	6.010	Construction Project Sign, per Contract Special Provisions, cip.	2	EA	\$636.93	\$1,273.86
3	19.010	Construction Traffic Control & Barricading, compl.	1	LS	\$11,000.00	\$11,000.00
4	301.020	Subgrade Prep. 12" at 95% compaction, cip.	2,415	SY	\$2.00	\$4,830.00
5	302.010	Aggregate Base Course, crushed, 6" at 95% compaction, cip.	2,415	SY	\$6.93	\$16,735.95
6	336.022	Asphalt Concrete Pavement, SP-III, 2 inch thick, machine laydown, cip.	7,245	SY	\$9.52	\$68,972.40
7	336.120	Tack Coat, cationic emulsified asphalt, cip.	4,830	SY	\$0.37	\$1,787.10
8	340.050	Curb & Gutter, Standard, Portland Cement Concrete, incl. subgrade preparation, cip. SD 2415	400	LF	\$20.31	\$8,124.00
9	343.030	Existing Pavement, Asphalt Concrete, remove & dispose, any thickness, including cement treated base course, compl.	2,415	SY	\$9.51	\$22,966.65
10	343.080	Existing Curb & Gutter, PC Concrete, remove & dispose, complete	400	LF	\$6.42	\$2,568.00
11	701.100	Trenching, Backfilling and Compaction, for 18" to 36" RCP, up to 8' in depth, pipe not incl., compl.	517	LF	\$24.02	\$12,418.34
12	701.110	Trenching, Backfilling and Compaction, for 18" to 36" RCP, 8' to 12' in depth, pipe not incl., compl.	1,552	LF	\$27.25	\$42,292.00
13	801.002	6" Waterline Pipe excl. fittings, (std. spec. sec. 801), incl. trench & compacted backfill to 6' depth, cip.	200	LF	\$21.28	\$4,256.00
14	801.055	Existing Waterline, 6" to 14", with fittings, Remove & Dispose, excl. trenching, compl.	200	LF	\$3.82	\$764.00
15	801.059	Non-pressurized Connection, existing waterline, all sizes, incl. fittings, compl.	5	EA	\$1,027.77	\$5,138.85
16	801.065	Ductile Iron MJ Fittings, Class 250, 4" to 14", incl. jointing material, cip.	1,000	LB	\$3.30	\$3,300.00
17	801.081	6" Gate Valve, cip. SD 2333	5	EA	\$689.69	\$3,448.45
18	801.101	Gate Valve, 4" to 12" Remove & Relay, compl.	5	EA	\$346.59	\$1,732.95
19	801.104	Valve Box, Remove & Dispose, compl.	5	EA	\$128.36	\$641.80
20	801.105	Valve Box, SD 2326	5	EA	\$404.35	\$2,021.75
21	801.150	Mechanical Joint Restraining Gland, DI & PVC, 4"-8", cip.	50	EA	\$75.86	\$3,793.00
22	801.157	Joint Restraining Harness, DI & PVC, 4"-8", cip.	50	EA	\$78.79	\$3,939.50
23	910.006	18" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	517	LF	\$39.00	\$20,163.00
24	910.010	24" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	1,552	LF	\$50.04	\$77,662.08
25	915.010A	Catch Basin, Type "A" Double Grate, cip.	20	EA	\$5,000.00	\$100,000.00
26	920.140	Manhole, 6' dia., Type "C" or "E", 6' to 10' deep, cip. SD 2101	5	EA	\$3,618.99	\$18,094.95
Subtotal of Items 1-26						\$454,424.63

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
27	621.4.1	Mobilization (not to exceed 5% of above Subtotal)	1	LS	\$22,721.23	\$22,721.23
28	621.4.2	Demobilization (not to exceed 2% of above Subtotal)	1	LS	\$9,088.49	\$9,088.49

a) Subtotal of Item No. 1 through Item No. 28						\$486,234.35
b) Contingencies @ 20%						\$97,246.87
c) Subtotal Items and Contingencies						\$583,481.22
d) Pre-Construction Costs (Design, Survey, Geotech, & SUE) = 15% of C)						\$87,522.18
e) Subtotal Items, Contingencies and pre-Construction Costs						\$671,003.41
f) Property Costs	0	SF		\$16.50		\$0.00
g) Subtotal Items and Property Costs						\$671,003.41
h) Allowances						
Project Sign Screen, 2 @ \$ 500.00 per sign					\$1,000.00	
Utility Relocation Allowance					\$10,000.00	
Construction Materials Testing					\$15,000.00	
Total Allowances						\$26,000.00
i) Subtotal - Line g) Subtotal plus Line h) Allowances:						\$697,003.41
j) New Mexico Gross Receipts Tax (NMGRT):						
on amount on Line i) Subtotal at 7.00%						\$48,790.24
k) TOTAL - Line i) Subtotal plus Line j) NMGRT:						\$745,793.65

EXISTING UTILITIES IN CORRIDOR:

WATER: 6" Water Line

SEWER: 8" & 12" SAS

GAS: 6" Gas Line in Edith

TELEPHONE
No Facility Maps Obtained**ASSUMPTIONS:**Property \$16.50 per square foot (average from information
Cost: obtained from Commercial Broker in downtown area)Pavement
Section: Arterial/Collector Street Section per COA Dwg. 2407Trench
Width: 1/2 Street WidthWater
Relocation: 40 LF per CrossingSewer
Relocation: None RequiredNo. of
Manholes: 1 per 300 LF Storm DrainNo. of Storm
Inlets: 4 per 300 LF Storm Drain

18" Laterals: 100 LF per 300 LF Storm Drain

MID VALLEY DMP

CITY OF ALBUQUERQUE PROJECT NO. 7963.06

OPINION OF PROBABLE COST FOR CONCEPTUAL DESIGN

**FACILITY 13 - SLIPLINE 96-INCH STORM DRAIN WITH 90-INCH STORM DRAIN
FROM 8TH ST. - ATLANTIC INTERSECTION TO THE BARELAS PUMP STATION**

ASSUME WILSON AND COMPANY FEE ESTIMATE LISTED BELOW

DATE: Thursday, October 13, 2011

**Design Memorandum : RE: Field Inspection of 96-inch Dia. Smooth-Flow
ARMCO Sewer Pipe (NO DATE - Assume Fall 2006), Wilson & Company.**
Prepared for the City of Albuquerque Municipal Development Drainage Section

Recommendation is -

Slip line the existing 96-in. dia. pipe with 90-in dia. Ultra-Flow Steel Type 2, 14 gauge pipe and grout annulas

Cost = \$ 1,484,000

Opinion of Probable Cost Estimates for Conceptual Level Design

Facilities considered but not recommended.

Non-Proposed Facilities X14, X15 and X17

These facilities are not proposed, however conceptual level cost estimates are included to illustrate that the costs are excessive for these facilities and therefore they were not considered further as viable facilities

Facility X14 –

Build a new Broadway Pump Station that could pump 150 cfs and a new 54-inch Force Main to the Rio Grande instead of the existing 54-in. force main to the North Diversion Channel.

Facility X15 –

Build a new Broadway Pump Station that could pump 320 cfs to the North Diversion Channel with an additional 60-in. force main along the same alignment as the existing 54-in. force main.

Facility X17–

Upsize all storm drains to 90-in. from Broadway-Odelia south to manhole COA32878.B including both Broadway pump station inlets. Storm drains from Broadway-Lomas north to COA32878.B were upsized to 78-in. connected to detention pond half the size of the existing Broadway-Lomas pond and sell the remaining half. The pond outlet from the smaller pond is a 30-in. dia. pipe that was connected directly to the inlet of the Broadway Pump Station.

MID VALLEY DMP

CITY OF ALBUQUERQUE PROJECT NO. 7963.06

OPINION OF PROBABLE COST FOR CONCEPTUAL DESIGN

FACILITY X-14 - A NEW BROADWAY PUMP STATION THAT COULD PUMP 150 CFS AND A NEW 54-INCH FORCE MAIN TO THE RIO GRANDE INSTEAD OF THE NORTH DIVERSION CHANNEL

DATE: Thursday, October 13, 2011

ROADWAY

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
1	4.010	Construction Staking including staking of project, quantity verification, and as-built information, compl.	1	LS	\$210,000.00	\$210,000.00
2	6.010	Construction Project Sign, per Contract Special Provisions, cip.	2	EA	\$636.93	\$1,273.86
3	19.010	Construction Traffic Control & Barricading, compl.	1	LS	\$140,000.00	\$140,000.00
4	301.020	Subgrade Prep. 12" at 95% compaction, cip.	32,220	SY	\$2.00	\$64,440.00
5	302.010	Aggregate Base Course, crushed, 6" at 95% compaction, cip.	32,220	SY	\$6.93	\$223,284.60
6	336.022	Asphalt Concrete Pavement, SP-III, 2 inch thick, machine laydown, cip.	96,660	SY	\$9.52	\$920,203.20
7	336.120	Tack Coat, cationic emulsified asphalt, cip.	64,440	SY	\$0.37	\$23,842.80
8	340.050	Curb & Gutter, Standard, Portland Cement Concrete, incl. subgrade preparation, cip. SD 2415	400	LF	\$20.31	\$8,124.00
9	343.030	Existing Pavement, Asphalt Concrete, remove & dispose, any thickness, including cement treated base course, compl.	2,415	SY	\$9.51	\$22,966.65
10	343.080	Existing Curb & Gutter, PC Concrete, remove & dispose, complete	400	LF	\$6.42	\$2,568.00
11	701.170	Trenching, Backfilling and Compaction, for 42" to 60" RCP, over 12' to 16' in depth, pipe not incl., compl.	14,500	LF	\$36.39	\$527,655.00
12	801.002	6" Waterline Pipe excl. fittings, (std. spec. sec. 801), incl. trench & compacted backfill to 6' depth, cip.	600	LF	\$21.28	\$12,768.00
13	801.055	Existing Waterline, 6" to 14", with fittings, Remove & Dispose, excl. trenching, compl.	600	LF	\$3.82	\$2,292.00
14	801.059	Non-pressurized Connection, existing waterline, all sizes, incl. fittings, compl.	10	EA	\$1,027.77	\$10,277.70
15	801.065	Ductile Iron MJ Fittings, Class 250, 4" to 14", incl. jointing material, cip.	4,000	LB	\$3.30	\$13,200.00
16	801.081	6" Gate Valve, cip. SD 2333	10	EA	\$689.69	\$6,896.90
17	801.101	Gate Valve, 4" to 12" Remove & Relay, compl.	10	EA	\$346.59	\$3,465.90
18	801.104	Valve Box, Remove & Dispose, compl.	10	EA	\$128.36	\$1,283.60
19	801.105	Valve Box, SD 2326	10	EA	\$404.35	\$4,043.50
20	801.150	Mechanical Joint Restraining Gland, DI & PVC, 4"-8", cip.	100	EA	\$75.86	\$7,586.00
21	801.157	Joint Restraining Harness, DI & PVC, 4"-8", cip.	100	EA	\$78.79	\$7,879.00
22	901.11X	54" Force Main Sewer Pipe, furnish & place in open trench, cip.	14,500	LF	\$250.00	\$3,625,000.00
Subtotal of Items 1-22						\$5,839,050.71
23	621.4.1	Mobilization (not to exceed 5% of above Subtotal)	1	LS	\$291,952.54	\$291,952.54
24	621.4.2	Demobilization (not to exceed 2% of above Subtotal)	1	LS	\$116,781.01	\$116,781.01

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
		a) Subtotal of Item No. 1 through Item No. 24				\$6,247,784.26
		b) Contingencies @ 20%				\$1,249,556.85
		c) Subtotal Items and Contingencies				\$7,497,341.11
		d) Pre-Construction Costs (Design, Survey, Geotech, & SUE) = 15% C)				\$1,124,601.17
		e) Subtotal Items, Contingencies and pre-Construction Costs				\$8,621,942.28
		f) Property Costs	0	SF	\$16.50	\$0.00
		g) Subtotal Items and Property Costs				\$8,621,942.28
		h) Allowances				
		Project Sign Screen, 2 @ \$ 500.00 per sign			\$1,000.00	
		Utility Relocation Allowance			\$100,000.00	
		Construction Materials Testing			\$150,000.00	
		Total Allowances				\$251,000.00
		i) Subtotal - Line g) Subtotal plus Line h) Allowances:				\$8,872,942.28
		j) New Mexico Gross Receipts Tax (NMGR):				
		on amount on Line i) Subtotal at 7.00%				\$621,105.96
		k) TOTAL - Line i) Subtotal plus Line j) NMGR:				
		NEW 54-in. Force Main to the Rio Grande				\$9,494,048.24
		New Broadway Pump Station (See Facility 11)				\$12,607,000.00
		TOTAL COST FACILITY X14				\$22,101,048.24
		EXISTING UTILITIES IN CORRIDOR:				

EXISTING UTILITIES IN CORRIDOR:

WATER: Various Water Lines
SEWER: Various Sewer Lines

GAS: Various Gas Lines
TELEPHONE: Various Telephone Lines

ASSUMPTIONS:

Property \$16.50 per square foot (average from information
Cost: obtained from Commercial Broker in downtown area)

Pavement Section:	Arterial/Collector Street Section per COA Dwg. 2407
Trench Width:	1/2 Street Width
Water Relocation:	40 LF per Crossing
Sewer Relocation:	None Required
No. of Manholes:	1 per 300 LF Storm Drain
No. of Storm Inlets:	4 per 300 LF Storm Drain
18" Laterals:	100 LF per 300 LF Storm Drain

MID VALLEY DMP

CITY OF ALBUQUERQUE PROJECT NO. 7963.06

OPINION OF PROBABLE COST FOR CONCEPTUAL DESIGN

FACILITY X-15 BUILD A NEW BROADWAY PUMP STATION THAT COULD PUMP 320 CFS TO THE NORTH DIVERSION CHANNEL AND AN ADDITIONAL 60-IN. FORCE MAIN ALONG SAME ALIGNMENT AS EXISTING 54-IN. FORCE MAIN

DATE: Thursday, October 13, 2011

ROADWAY

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
1	4.010	Construction Staking including staking of project, quantity verification, and as-built information, compl.	1	LS	\$125,000.00	\$125,000.00
2	6.010	Construction Project Sign, per Contract Special Provisions, cip.	2	EA	\$636.93	\$1,273.86
3	19.010	Construction Traffic Control & Barricading, compl.	1	LS	\$83,000.00	\$83,000.00
4	301.020	Subgrade Prep. 12" at 95% compaction, cip.	16,200	SY	\$2.00	\$32,400.00
5	302.010	Aggregate Base Course, crushed, 6" at 95% compaction, cip.	16,200	SY	\$6.93	\$112,266.00
6	336.022	Asphalt Concrete Pavement, SP-III, 2 inch thick, machine laydown, cip.	48,600	SY	\$9.52	\$462,672.00
7	336.120	Tack Coat, cationic emulsified asphalt, cip.	32,400	SY	\$0.37	\$11,988.00
8	343.030	Existing Pavement, Asphalt Concrete, remove & dispose, any thickness, including cement treated base course, compl.	16,200	SY	\$9.51	\$154,062.00
9	701.160	Trenching, Backfilling and Compaction, for 42" to 60" RCP, over 8' to 12' in depth, pipe not incl., compl.	307	LF	\$34.52	\$10,597.64
10	701.170	Trenching, Backfilling and Compaction, for 42" to 60" RCP, over 12' to 16' in depth, pipe not incl., compl.	6,984	LF	\$36.39	\$254,147.76
11	801.002	6" Waterline Pipe excl. fittings, (std. spec. sec. 801), incl. trench & compacted backfill to 6' depth, cip.	600	LF	\$21.28	\$12,768.00
12	801.055	Existing Waterline, 6" to 14", with fittings, Remove & Dispose, excl. trenching, compl.	600	LF	\$3.82	\$2,292.00
13	801.059	Non-pressurized Connection, existing waterline, all sizes, incl. fittings, compl.	10	EA	\$1,027.77	\$10,277.70
14	801.065	Ductile Iron MJ Fittings, Class 250, 4" to 14", incl. jointing material, cip.	4,000	LB	\$3.30	\$13,200.00
15	801.081	6" Gate Valve, cip. SD 2333	10	EA	\$689.69	\$6,896.90
16	801.101	Gate Valve, 4" to 12" Remove & Relay, compl.	10	EA	\$346.59	\$3,465.90
17	801.104	Valve Box, Remove & Dispose, compl.	10	EA	\$128.36	\$1,283.60
18	801.105	Valve Box, SD 2326	10	EA	\$404.35	\$4,043.50
19	801.150	Mechanical Joint Restraining Gland, DI & PVC, 4"-8", cip.	100	EA	\$75.86	\$7,586.00
20	801.157	Joint Restraining Harness, DI & PVC, 4"-8", cip.	100	EA	\$78.79	\$7,879.00
21	901.12X	60" Force Main Sewer Pipe, furnish & place in open trench, cip.	6,864	LF	\$300.00	\$2,059,200.00
22	910.020	42" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	367	LF	\$121.19	\$44,476.73
23	910.022	48" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	60	LF	\$139.09	\$8,345.40
24	910.104	Drainline, Remove & Dispose, 21" to 48" excl. trenching & backfilling, compl.	427	LF	\$17.28	\$7,378.56
Subtotal of Items 1-24						\$3,436,500.55
25	621.4.1	Mobilization (not to exceed 5% of above Subtotal)	1	LS	\$171,825.03	\$171,825.03

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
26	621.4.2	Demobilization (not to exceed 2% of above Subtotal)	1	LS	\$68,730.01	\$68,730.01

a) Subtotal of Item No. 1 through Item No. 26						\$3,677,055.59
b) Contingencies @ 20%						\$735,411.12
c) Subtotal Items and Contingencies						\$4,412,466.71
d) Pre-Construction Costs (Design, Survey, Geotech, & SUE) = 15% of C)						\$661,870.01
e) Subtotal Items, Contingencies and pre-Construction Costs						\$5,074,336.71
f) Property Costs			0	SF	\$16.50	\$0.00
g) Subtotal Items and Property Costs						\$5,074,336.71
h) Allowances						
Project Sign Screen, 2 @ \$ 500.00 per sign					\$1,000.00	
Utility Relocation Allowance					\$60,000.00	
Construction Materials Testing					\$90,000.00	
Total Allowances						\$151,000.00
i) Subtotal - Line g) Subtotal plus Line h) Allowances:						\$5,225,336.71
j) New Mexico Gross Receipts Tax (NMGR):						
on amount on Line i) Subtotal at 7.00%						\$365,773.57
k) TOTAL - Line i) Subtotal plus Line j) NMGR:						

New 60-in. force main to N. Div.Channel	\$5,591,110.28
New Broadway Pump Station 320 cfs (AA)	\$16,228,266.67
New Broadway Pump	\$10,666,666.67
Electrical Feeders 320 cfs (AA)	
TOTAL FACILITY X15	\$32,486,043.62

EXISTING UTILITIES IN CORRIDOR:

WATER: Various Water Lines
SEWER: Various Sewer Lines

GAS: Various Gas Lines
TELEPHONE: Various Telephone Lines

ASSUMPTIONS:

Property \$16.50 per square foot (average from information
Cost: obtained from Commercial Broker in downtown area)

Pavement Section: Arterial/Collector Street Section per COA Dwg. 2407
Trench Width: 1/2 Street Width
Water Relocation: 40 LF per Crossing
Sewer Relocation: None Required
No. of Manholes: 1 per 300 LF Storm Drain
No. of Storm Inlets: 4 per 300 LF Storm Drain
18" Laterals: 100 LF per 300 LF Storm Drain

AA - Computed proportionally as ratio of 320 cfs to 150 cfs See Facility 11 Costs	
New Pump Station Ratio	
x\$ / 320 cfs=\$7,607,000/150 cfs	
=	\$16,228,267
New Electrical Feeders Ratio	
x\$ / 320 cfs=\$5,000,000/150 cfs	
=	\$10,666,667

MID VALLEY DMP

CITY OF ALBUQUERQUE PROJECT NO. 7963.06

OPINION OF PROBABLE COST FOR CONCEPTUAL DESIGN

FACILITY X-17 FILL HALF OF THE BROADWAY-LOMAS POND AND SELL THE REMAINING HALF, BUILD A 30-IN. STORM DRAIN FROM POND TO BROADWAY PUMP STATION. BUILD 90-IN. STORM DRAIN IN BROADWAY FROM LOMAS TO ODELIA

DATE: Tuesday, October 18, 2011

ROADWAY

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
1	4.010	Construction Staking including staking of project, quantity verification, and as-built information, compl.	1	LS	\$114,000.00	\$114,000.00
2	6.010	Construction Project Sign, per Contract Special Provisions, cip.	2	EA	\$636.93	\$1,273.86
3	19.010	Construction Traffic Control & Barricading, compl.	1	LS	\$76,000.00	\$76,000.00
4	205.010	Borrow, Hauling & Compaction of suitable fill material when not obtained from within limits of construction, complete	22,025	CY	\$6.85	\$150,871.25
5	301.020	Subgrade Prep. 12" at 95% compaction, cip.	8,350	SY	\$2.00	\$16,700.00
6	302.010	Aggregate Base Course, crushed, 6" at 95% compaction, cip.	8,350	SY	\$6.93	\$57,865.50
7	336.022	Asphalt Concrete Pavement, SP-III, 2 inch thick, machine laydown, cip.	25,050	SY	\$9.52	\$238,476.00
8	336.120	Tack Coat, cationic emulsified asphalt, cip.	16,700	SY	\$0.37	\$6,179.00
9	340.050	Curb & Gutter, Standard, Portland Cement Concrete, incl. subgrade preparation, cip. SD 2415	900	LF	\$20.31	\$18,279.00
10	343.030	Existing Pavement, Asphalt Concrete, remove & dispose, any thickness, including cement treated base course, compl.	8,350	SY	\$9.51	\$79,408.50
11	343.080	Existing Curb & Gutter, PC Concrete, remove & dispose, complete	900	LF	\$6.42	\$5,778.00
12	701.100	Trenching, Backfilling and Compaction, for 18" to 36" RCP, up to 8' in depth, pipe not incl., compl.	1,119	LF	\$24.02	\$26,878.38
13	701.130	Trenching, Backfilling and Compaction, for 18" to 36" RCP, 16' to 20' in depth, pipe not incl., compl.	650	LF	\$38.80	\$25,220.00
14	701.210	Trenching, Backfilling and Compaction, over 60" RCP, over 12' to 16' in depth, pipe not incl., compl.	3,578	LF	\$53.18	\$190,278.04
15	801.001	4" Waterline Pipe excl. fittings, (std. spec. sec. 801), incl. trench & compacted backfill to 6' depth, cip.	120	LF	\$8.91	\$1,069.20
16	801.002	6" Waterline Pipe excl. fittings, (std. spec. sec. 801), incl. trench & compacted backfill to 6' depth, cip.	160	LF	\$21.28	\$3,404.80
17	801.009X	20" Waterline Pipe excl. fittings, (std. spec. sec. 801), incl. trench & compacted backfill to 6' depth, cip.	40	LF	\$80.00	\$3,200.00
18	801.055	Existing Waterline, 6" to 14", with fittings, Remove & Dispose, excl. trenching, compl.	280	LF	\$3.82	\$1,069.60
19	801.056	Existing Waterline, 16" to 36", with fittings, Remove & Dispose, excl. trenching, compl.	40	LF	\$12.23	\$489.20
20	801.059	Non-pressurized Connection, existing waterline, all sizes, incl. fittings, compl.	16	EA	\$1,027.77	\$16,444.32

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
21	801.065	Ductile Iron MJ Fittings, Class 250, 4" to 14", incl. jointing material, cip.	2,500	LB	\$3.30	\$8,250.00
22	801.080	4" Gate Valve, cip. SD 2333	3	EA	\$334.05	\$1,002.15
23	801.081	6" Gate Valve, cip. SD 2333	4	EA	\$689.69	\$2,758.76
24	801.088X	20" Butterfly Valve, w/3 in. operation nut, cip. SD 2351	1	EA	\$7,500.00	\$7,500.00
25	801.101	Gate Valve, 4" to 12" Remove & Relay, compl.	8	EA	\$346.59	\$2,772.72
26	801.104	Valve Box, Remove & Dispose, compl.	8	EA	\$128.36	\$1,026.88
27	801.105	Valve Box, SD 2326	8	EA	\$404.35	\$3,234.80
28	801.150	Mechanical Joint Restraining Gland, DI & PVC, 4"-8", cip.	80	EA	\$75.86	\$6,068.80
29	801.157	Joint Restraining Harness, DI & PVC, 4"-8", cip.	80	EA	\$78.79	\$6,303.20
30	910.006	18" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	1,119	LF	\$39.00	\$43,641.00
31	910.014	30" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	650	LF	\$61.15	\$39,747.50
32	910.031X	78" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	60	LF	\$340.00	\$20,400.00
33	910.037X	84" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	150	LF	\$390.00	\$58,500.00
34	910.038X	90" Reinforced Concrete Pipe, Class IV, furnish and install in open trench, cip.	3,368	LF	\$440.00	\$1,481,920.00
35	910.104	Drainline, Remove & Dispose, 21" to 48" excl. trenching & backfilling, compl.	3,428	LF	\$17.28	\$59,235.84
36	915.010A	Catch Basin, Type "A" Double Grate, cip.	45	EA	\$5,000.00	\$225,000.00
37	915.070	Catch Basin, Existing, Remove & Dispose, any type, including cleanup, complete	25	EA	\$1,103.47	\$27,586.75
38	920.150	Manhole, 6' dia., Type "C" or "E", 10' to 14' deep, cip. SD 2101	2	EA	\$5,010.80	\$10,021.60
39	920.25X	Manhole, 10' dia., Type "C" or "E", 6' to 10' deep, cip. SD 2101	12	EA	\$10,700.00	\$128,400.00
40	920.570	Existing Manhole, Remove & Dispose, all depths, 4' 6' dia., complete	12	EA	\$722.69	\$8,672.28
Subtotal of Items 1-40						\$3,174,926.93
41	621.4.1	Mobilization (not to exceed 5% of above Subtotal)	1	LS	\$158,746.35	\$158,746.35
42	621.4.2	Demobilization (not to exceed 2% of above Subtotal)	1	LS	\$63,498.54	\$63,498.54

a) Subtotal of Item No. 1 through Item No. 42					\$3,397,171.82
b) Contingencies @ 20%					\$679,434.36
c) Subtotal Items and Contingencies					\$4,076,606.18
d) Pre-Construction Costs (Design, Survey, Geotech, & SUE) = 15% of C)					\$611,490.93
e) Subtotal Items, Contingencies and pre-Construction Costs					\$4,688,097.10
f) Property Costs	-60,330	SF	\$19.00		(\$1,146,270.00)
g) Subtotal Items and Property Costs					\$3,541,827.10
h) Allowances					
Project Sign Screen, 2 @ \$ 500.00 per sign				\$1,000.00	
Utility Relocation Allowance				\$80,000.00	
Construction Materials Testing				\$80,000.00	
Total Allowances					\$161,000.00

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
		i) Subtotal - Line g) Subtotal plus Line h) Allowances:				\$3,702,827.10
		j) New Mexico Gross Receipts Tax (NMGR): on amount on Line i) Subtotal at 7.00%				\$259,197.90
		k) TOTAL - Line i) Subtotal plus Line j) NMGR:				\$3,962,025.00

EXISTING UTILITIES IN CORRIDOR:

WATER: 4", 6", 12" & 20" Water Line
SEWER: 8" & 12" SAS

GAS: 14" Gas Line in Broadway
TELEPHONE Copper Cables in Broadway

ASSUMPTIONS:

Property \$19.00 per square foot (average from information
Cost: obtained from Brad Bingham at AMAFCA)

Pavement Section: Arterial/Collector Street Section per COA Dwg. 2407
Trench Width: 1/2 Street Width
Water Relocation: 40 LF per Crossing
Sewer Relocation: None Required
No. of Manholes: 1 per 300 LF Storm Drain
No. of Storm Inlets: 4 per 300 LF Storm Drain
18" Laterals: 100 LF per 300 LF Storm Drain

Opinion of Probable Cost Estimates for Conceptual Level Design

STORM WATER QUALITY FEATURES FOR THE :

BARELAS PUMP STATION OUTFALL WITHIN THE RIO GRANDE BOSQUE *

ALCALDE PUMP STATION OUTFALL WITHIN THE RIO GRANDE BOSQUE *

STORM WATER QUALITY RETROFIT OF EXISTING LOW FLOW CHANNELS IN
DETENTION BASINS *

**See Report Section 3 – for Figures that illustrate locations and details.*

Q:\SEC---PROJECTS\2010 Projects\110112 COA MID VALLEY DMP\DMP Appendix A -
Quantity Cost Estimates\final april 2012\APPENDIX A cost estimates w dbt 3-30-12.docx

MID VALLEY DMP

CITY OF ALBUQUERQUE PROJECT NO. 7963.06

OPINION OF PROBABLE COST FOR CONCEPTUAL DESIGN

FACILITY - BARELAS Pump Station WATER QUALITY IMPROVEMENTS in Bosque

DATE: Thursday, October 13, 2011

ROADWAY

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
1	4.010	Construction Staking including staking of project, quantity verification, and as-built information, compl.	1	LS	\$9,000.00	\$9,000.00
2	6.010	Construction Project Sign, per Contract Special Provisions, cip.	2	EA	\$636.93	\$1,273.86
3	19.010	Construction Traffic Control & Barricading, compl.	1	LS	\$6,000.00	\$6,000.00
4	201.010	Site Clearing and Grubbing, compl.	1.5	AC	\$1,281.93	\$1,922.90
5	202.011	Unsuitable Material, Excavate & Disposal, complete	2,800	CY	\$8.55	\$23,940.00
6	205.010	Borrow, Hauling & Compaction of suitable fill material when not obtained from within limits of construction, complete	3,000	CY	\$6.85	\$20,550.00
7	301.020	Subgrade Prep. 12" at 95% compaction, cip.	2,700	SY	\$2.00	\$5,400.00
8	510.110	Structural Reinforced PC Concrete, 4000 psi, including formwork, cip.	200	CY	\$612.43	\$122,486.00
9	603.030	Plain Riprap, cip.	180	CY	\$91.82	\$16,527.60
10	603.040	Gravel Filter Material, delivered, graded, and compacted, cip.	120	CY	\$43.75	\$5,250.00
11	603.04X	Duplex Sump Pump with Discharge Pipe, cip.	1	EA	\$10,000.00	\$10,000.00
Subtotal of Items 1-11						\$222,350.36
12	621.4.1	Mobilization (not to exceed 5% of above Subtotal)	1	LS	\$11,117.52	\$11,117.52
13	621.4.2	Demobilization (not to exceed 2% of above Subtotal)	1	LS	\$4,447.01	\$4,447.01

a) Subtotal of Item No. 1 through Item No. 13					\$237,914.88
b) Contingencies @ 20%					\$47,582.98
c) Subtotal Items and Contingencies					\$285,497.86
d) Pre-Construction Costs (Design, Survey, Geotech, & SUE) = 15% of C)					\$42,824.68
e) Subtotal Items, Contingencies and pre-Construction Costs					\$328,322.53
f) Property Costs	0	SF	\$16.50		\$0.00
g) Subtotal Items and Property Costs					\$328,322.53
h) Allowances					
Project Sign Screen, 2 @ \$ 500.00 per sign				\$1,000.00	
Utility Relocation Allowance				\$0.00	
Construction Materials Testing				\$10,000.00	
Total Allowances					\$11,000.00
i) Subtotal - Line g) Subtotal plus Line h) Allowances:					\$339,322.53
j) New Mexico Gross Receipts Tax (NMGR):					
on amount on Line i) Subtotal at 7.00%					\$23,752.58

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
k) TOTAL - Line i) Subtotal plus Line j) NMGR:						\$363,075.11

EXISTING UTILITIES IN CORRIDOR:

WATER: None
SEWER: None

GAS: None
TELEPHONE: None

ASSUMPTIONS:

Property \$16.50 per square foot (average from information
Cost: obtained from Commercial Broker in downtown area)

Pavement
Section: Arterial/Collector Street Section per COA Dwg. 2407
Trench
Width: 1/2 Street Width
Water
Relocation: 40 LF per Crossing
Sewer
Relocation: None Required
No. of
Manholes: 1 per 300 LF Storm Drain
No. of Storm
Inlets: 4 per 300 LF Storm Drain
18" Laterals: 100 LF per 300 LF Storm Drain

MID VALLEY DMP

CITY OF ALBUQUERQUE PROJECT NO. 7963.06

OPINION OF PROBABLE COST FOR CONCEPTUAL DESIGN**FACILITY - ALCALDE Pump Station WATER QUALITY IMPROVEMENTS in Bosque**

DATE: Thursday, October 13, 2011

ROADWAY

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
1	4.010	Construction Staking including staking of project, quantity verification, and as-built information, compl.	1	LS	\$7,200.00	\$7,200.00
2	6.010	Construction Project Sign, per Contract Special Provisions, cip.	2	EA	\$636.93	\$1,273.86
3	19.010	Construction Traffic Control & Barricading, compl.	1	LS	\$4,800.00	\$4,800.00
4	201.010	Site Clearing and Grubbing, compl.	1.5	AC	\$1,281.93	\$1,922.90
5	202.011	Unsuitable Material, Excavate & Disposal, complete	3,500	CY	\$8.55	\$29,925.00
6	301.020	Subgrade Prep. 12" at 95% compaction, cip.	3,500	SY	\$2.00	\$7,000.00
7	510.110	Structural Reinforced PC Concrete, 4000 psi, including formwork, cip.	200	CY	\$612.43	\$122,486.00
8	603.030	Plain Riprap, cip.	180	CY	\$91.82	\$16,527.60
9	603.040	Gravel Filter Material, delivered, graded, and compacted, cip.	120	CY	\$43.75	\$5,250.00
10	603.04X	Duplex Sump Pump with Discharge Pipe, cip.	1	EA	\$10,000.00	\$10,000.00
Subtotal of Items 1-10						\$206,385.36
11	621.4.1	Mobilization (not to exceed 5% of above Subtotal)	1	LS	\$10,319.27	\$10,319.27
12	621.4.2	Demobilization (not to exceed 2% of above Subtotal)	1	LS	\$4,127.71	\$4,127.71

a) Subtotal of Item No. 1 through Item No. 12						\$220,832.33
b) Contingencies @ 20%						\$44,166.47
c) Subtotal Items and Contingencies						\$264,998.80
d) Pre-Construction Costs (Design, Survey, Geotech, & SUE) = 15% of C)						\$39,749.82
e) Subtotal Items, Contingencies and pre-Construction Costs						\$304,748.62
f) Property Costs	0	SF		\$16.50		\$0.00
g) Subtotal Items and Property Costs						\$304,748.62
h) Allowances						
Project Sign Screen, 2 @ \$ 500.00 per sign					\$1,000.00	
Utility Relocation Allowance					\$0.00	
Construction Materials Testing					\$10,000.00	
Total Allowances						\$11,000.00
i) Subtotal - Line g) Subtotal plus Line h) Allowances:						\$315,748.62
j) New Mexico Gross Receipts Tax (NMGRT):						
on amount on Line i) Subtotal at 7.00%						\$22,102.40
k) TOTAL - Line i) Subtotal plus Line j) NMGRT:						\$337,851.02

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
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EXISTING UTILITIES IN CORRIDOR:

WATER: None

SEWER: None

GAS: None

TELEPHONE
None**ASSUMPTIONS:**

Property \$16.50 per square foot (average from information

Cost: obtained from Commercial Broker in downtown area)

Pavement
Section: Arterial/Collector Street Section per COA Dwg. 2407Trench
Width: 1/2 Street WidthWater
Relocation: 40 LF per CrossingSewer
Relocation: None RequiredNo. of
Manholes: 1 per 300 LF Storm DrainNo. of Storm
Inlets: 4 per 300 LF Storm Drain

18" Laterals: 100 LF per 300 LF Storm Drain

MID VALLEY DMP

CITY OF ALBUQUERQUE PROJECT NO. 7963.06

OPINION OF PROBABLE COST FOR CONCEPTUAL DESIGN

WATER QUALITY RETROFIT FOR LOW FLOW CHANNELS IN DETENTION BASINS

DATE: Thursday, February 16, 2012

BID ITEM NUMBER	SPEC. ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
1	4.010	Construction Staking including staking of project, quantity verification, and as-built information, compl.	1	LS	\$1,000.00	\$1,000.00
2	6.010	Construction Project Sign, per Contract Special Provisions, cip.	1	EA	\$636.93	\$636.93
3	302.01X	Aggregate Base Course, crushed, 8" at 95% compaction, cip.	16	SY	\$9.24	\$147.84
4	501.020	Existing Drainage Structure or Channel Lining, Reinforced Concrete, Remove & Dispose, compl.	2.8	CY	\$134.72	\$377.22
5	510.110	Structural, Reinforced PC Concrete, 4000 psi, incl. formwork, for 12" wall, cip.	2	CY	\$612.43	\$1,224.86
6	601.010	Excavation, Backfill, and Compaction, for Channels, incl. relocation of material and finished grading, cip.	20	CY	\$15.00	\$300.00
7	602.010	Channel Lining, 6" thick, Reinforced PC Concrete, cip.	200	SF	\$9.28	\$1,856.00
Subtotal of Items 1-7						\$5,542.85
8	621.4.1	Mobilization (not to exceed 5% of above Subtotal)	1	LS	\$277.14	\$277.14
9	621.4.2	Demobilization (not to exceed 2% of above Subtotal)	1	LS	\$110.86	\$110.86

a) Subtotal of Item No. 1 through Item No. 9					\$5,930.85
b) Contingencies @ 20%					\$1,186.17
c) Subtotal Items and Contingencies					\$7,117.01
d) Pre-Construction Costs (Design, Survey, Geotech, & SUE = 15% of C)					\$1,067.55
e) Subtotal Items, Contingencies and pre-Construction Costs					\$8,184.57
f) Property Costs	0	SF	\$19.00		\$0.00
g) Subtotal Items and Property Costs					\$8,184.57
h) Allowances					
Project Sign Screen, 1 @ \$ 500.00 per sign				\$500.00	
Utility Relocation Allowance				\$0.00	
Construction Materials Testing				\$2,000.00	
Total Allowances					\$2,500.00
i) Subtotal - Line g) Subtotal plus Line h) Allowances:					\$10,684.57
j) New Mexico Gross Receipts Tax (NMGR):					
on amount on Line i) Subtotal at 7.00%					\$747.92
k) TOTAL - Line i) Subtotal plus Line j) NMGR:					\$11,432.49

NOTE: Assume 1 water quality feature per detention basin.