

APPENDIX 4

ENGINEERS OPINION OF PROBABLE COST

- Table 4.1-Engineers Opinion of Probable Cost - Option 1-Alternative 1 (Pond Top: 4951)
- Table 4.2-Engineers Opinion of Probable Cost - Option 1-Alternative 2 (Pond Top: 4955)
- Table 4.3-Engineers Opinion of Probable Cost - Option 2-Alternative 1 (Pond Top: 4951)
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- Table 4.7-Engineers Opinion of Probable Cost - Option 4-Alternative 1 (Pond Top: 4955)



Table 4.1 Engineers Opinion of Probable Cost - Option 1-Alternative 1 (Pond Top: 4951) South Broadway Drainage Master Plan					
Item No.		Quantity	Unit	Estimate Unit Price	Estimate Amount
Phase 1					
201.010	Site Clear and Grub-John Street Pond	4	AC	\$ 2,291.00	\$ 8,387.66
204.010	Overall Earthwork: Engineered Fill for Embankments, Training Dikes and Roads. Includes: Placement, Water, Compaction and all Related Work, Cut to Fill Complete	5	CY	\$ 5.00	\$ 25.00
205.010	Export Material-John Street Pond	40911	CY	\$ 17.00	\$ 695,487.00
336.025	Asphalt Concrete, 3-1/2" thick, superpave w/ 12" subgrade- Broadway Blvd, Thaxton Ave and John Street	5444	SY	\$ 35.00	\$ 190,555.56
343.030	Existing asphalt up to 4" thick, sawcut, remove and dispose, Comp. in Broadway Blvd, Thaxton Ave and John Street	5444	SY	\$ 15.00	\$ 81,666.67
910.027	66" Storm Drain RCP Type III with connection, trenching, backfill, CIP from Broadway to Thaxton Rd into John Street Pond	685	LF	\$ 400.00	\$ 274,000.00
xxx.xxx	66" Storm Drain Trenching > 16ft deep, CIP	685	LF	\$ 300.00	\$ 205,500.00
xxx.xxx	66" Storm Drain Diversion Junction Box in Broadway, Thaxton and John Street (10' deep) Junction box to cone shape structure	1	EA	\$ 20,000.00	\$ 20,000.00
xxx.xxx	66" Storm Drain Diversion Junction Box in Broadway, Thaxton and John Street (12' deep) Junction box to cone shape structure	1	EA	\$ 25,000.00	\$ 25,000.00
xxx.xxx	66" Storm Drain Diversion Junction Box in Broadway, Thaxton and John Street (17' deep) Junction box to cone shape structure	1	EA	\$ 35,000.00	\$ 35,000.00
920.570	Existing Manhole (Barelas Ditch), remove and dispose, all depths, 4' to 6' dia., CIP.	4	EA	\$ 1,500.00	\$ 6,000.00
910.104	Remove and dispose of 24" storm drain in John Street (ABQ 2000 Utility Map)	584	LF	\$ 25.00	\$ 14,600.00
910.013	John Street Pond Outfall structure - 30" diameter storm drain (RCP Type III)	765	LF	\$ 100.00	\$ 76,500.00
xxx.xxx	John Street Pond Outfall structure - 30" diameter storm drain trenching	765	LF	\$ 75.00	\$ 57,375.00
920.140	MH, 6' dia. Type C or E, 6-10' deep, CIP	4	EA	\$ 7,500.00	\$ 30,000.00
605.010	John Street Pond Lining - Shotcrete 6" thick - 1V:1.5H side slopes	2100	SY	\$ 110.00	\$ 231,000.00
NMDOT 902	Materials Testing, Quality Assurance and Submittals Allowance	1	AI	\$ 35,000.00	\$ 35,000.00
NMDOT 801	Construction Staking, Complete	1	LS	\$ 65,000.00	\$ 65,000.00
NMDOT 603	Temporary Pollution Control: NPDES and SWPPP Preparation and Maintenance, Complete	1	LS	\$ 10,000.00	\$ 10,000.00
NMDOT 663	Utility Relocation Allowance	1	AI	\$ 50,000.00	\$ 50,000.00
Phase 1 Construction Subtotal:					\$ 2,111,096.88
COA 6.05 & 6.06	Mobilization & Demobilization: Comply., Not to exceed 5% of the sub-total	5.00%	LS	\$105,554.84	\$ 105,554.84
Phase 1 Construction Subtotal With Mobilization and Demobilization:					\$ 2,216,651.72
35% Contingency					\$ 775,828.10
Pre Construction Costs: Design, Survey, Geotechnical & SUE = 10% of Construction Costs					\$ 221,665.17
NMGRT - City of Albuquerque @ 7.875%					\$ 174,561.32
Phase 1 Total					\$ 3,388,706.32
Phase 2					
APWA 201	Site Clear and Grub-Kathryn Pond	2	AC	\$ 2,291.00	\$ 5,075.33
APWA 201	Site Clear and Grub-South Broadway Pond	3	AC	\$ 2,291.00	\$ 7,694.52
APWA 204	Export Material- South Broadway Pond Modifications	13000	CY	\$ 17.00	\$ 221,000.00
APWA 204	Export Material-Kathryn Pond Modifications	4100	CY	\$ 17.00	\$ 69,700.00
336.025	Asphalt Concrete, 3-1/2" thick, superpave w/ 12" subgrade- Broadway and Santa Fe, Broadway and Kathryn, and Williams and Kathryn - Modifications to junctions	3223	SY	\$ 35.00	\$ 112,801.11
343.030	Existing asphalt up to 4" thick, sawcut, remove and dispose, Comp. in Broadway and Santa Fe, Broadway and Kathryn, and Williams and Kathryn - Modifications to junctions	3223	SY	\$ 15.00	\$ 48,343.33
605.010	South Broadway Pond Lining - Shotcrete 6" thick - 1V:1.5H side slopes	2758	SY	\$ 110.00	\$ 303,380.00
605.010	Kathryn Pond Lining - Shotcrete 6" thick - 1V:1.5H side slopes	924	SY	\$ 110.00	\$ 101,640.00
336.025	Asphalt Concrete, 3-1/2" thick, superpave w/ 12" subgrade- Broadway Blvd & Wheeler Ave (before Mechem Pond)	2900	SY	\$ 35.00	\$ 101,503.89
343.030	Existing asphalt up to 4" thick, sawcut, remove and dispose, Comp. in Broadway Blvd & Wheeler Ave (before Mechem Pond)	2900	SY	\$ 15.00	\$ 43,501.67
910.029	72" Storm Drain RCP Type III with connection, trenching, backfill, CIP from Broadway Blvd & Wheeler Ave (before Mechem Pond)	320	LF	\$ 540.00	\$ 172,800.00
xxx.xxx	72" Storm Drain Trenching > 20ft deep, CIP	320	LF	\$ 400.00	\$ 128,000.00
xxx.xxx	Junction box modifications Broadway Blvd & Kathryn Ave	1	EA	\$ 35,000.00	\$ 35,000.00
xxx.xxx	Junction box modifications Broadway Blvd & Wheeler Ave (before Mechem Pond)	1	EA	\$ 35,000.00	\$ 35,000.00
xxx.xxx	Junction box modifications Williams St & Kathryn Ave	1	EA	\$ 15,000.00	\$ 15,000.00
NMDOT 902	Materials Testing, Quality Assurance and Submittals Allowance	1	AI	\$ 35,000.00	\$ 35,000.00
NMDOT 801	Construction Staking, Complete	1	LS	\$ 65,000.00	\$ 65,000.00
NMDOT 603	Temporary Pollution Control: NPDES and SWPPP Preparation and Maintenance, Complete	1	LS	\$ 10,000.00	\$ 10,000.00
NMDOT 663	Utility Relocation Allowance	1	AI	\$ 50,000.00	\$ 50,000.00
Phase 2 Construction Subtotal:					\$ 1,560,439.85
COA 6.05 & 6.06	Mobilization & Demobilization: Comply., Not to exceed 5% of the sub-total	5.00%	LS	\$78,021.99	\$ 78,021.99
Phase 2 Subtotal W/ Mob & Demob:					\$ 1,638,461.85
35% Contingency					\$ 573,461.65
Pre Construction Costs: Design, Survey, Geotechnical & SUE = 10% of Construction Costs					\$ 163,846.18
NMGRT - City of Albuquerque @ 7.875%					\$ 129,028.87
Phase 2 Total					\$ 2,504,798.55
Phase 3					
910.023	54" Storm Drain in Commercial (Outlet from South Broadway Pond)	2000	LF	\$ 345.00	\$ 690,000.00
xxx.xxx	54" Storm Drain Trenching >14 feet deep, CIP	2000	LF	\$ 175.00	\$ 350,000.00
920.220	MH, 8' dia. Type C or E, 10-14' deep, CIP	6	EA	\$ 16,200.00	\$ 89,100.00
336.025	Asphalt Concrete, 3-1/2" thick, superpave w/ 12" subgrade- in Commercial	16859	SY	\$ 35.00	\$ 590,080.56
343.030	Existing asphalt up to 4" thick, sawcut, remove and dispose, Comp. in Commercial	16859	SY	\$ 15.00	\$ 252,891.67
xxx.xxx	Junction box modifications Broadway Blvd & Santa Fe	1	EA	\$ 35,000.00	\$ 35,000.00
NMDOT 902	Materials Testing, Quality Assurance and Submittals Allowance	1	AI	\$ 35,000.00	\$ 35,000.00
NMDOT 801	Construction Staking, Complete	1	LS	\$ 65,000.00	\$ 65,000.00
NMDOT 603	Temporary Pollution Control: NPDES and SWPPP Preparation and Maintenance, Complete	1	LS	\$ 10,000.00	\$ 10,000.00
NMDOT 663	Utility Relocation Allowance	1	AI	\$ 50,000.00	\$ 50,000.00
Phase 3 Construction Subtotal:					\$ 2,167,072.22
COA 6.05 & 6.06	Mobilization & Demobilization: Comply., Not to exceed 5% of the sub-total	5.00%	LS	\$108,353.61	\$ 108,353.61
Phase 3 Subtotal W/ Mob & Demob:					\$ 2,275,425.83
35% Contingency					\$ 796,399.04
Pre Construction Costs: Design, Survey, Geotechnical & SUE = 10% of Construction Costs					\$ 227,542.58
NMGRT - City of Albuquerque @ 7.875%					\$ 179,189.78
Phase 3 Total					\$ 3,478,557.24
All Phases Total:					\$ 9,372,063.00

Assumptions:
2022 COA City Engineer's Estimated Unit Prices

Table 4.2 Engineers Opinion of Probable Cost - Option 1-Alternative 2 (Pond Top: 4955) South Broadway Drainage Master Plan					
Item No.		Quantity	Unit	Estimate Unit Price	Estimate Amount
Phase 1					
201.010	Site Clear and Grub-John Street Pond	4	AC	\$ 2,291.00	\$ 8,387.66
204.010	Overall Earthwork: Engineered Fill for Embankments, Training Dikes and Roads. Includes: Placement, Water, Compaction and all Related Work, Cut to Fill Complete	2700	CY	\$ 5.00	\$ 13,500.00
205.010	Export Material-John Street Pond	39000	CY	\$ 17.00	\$ 663,000.00
302.010	Aggregate base course, crushed, 6" CIP	1500	CY	\$ 11.00	\$ 16,500.00
336.025	Asphalt Concrete, 3-1/2" thick, superpave w/ 12" subgrade- Broadway Blvd, Thaxton Ave and John Street	5444	SY	\$ 35.00	\$ 190,555.56
343.030	Existing asphalt up to 4" thick, sawcut, remove and dispose, Comp. in Broadway Blvd, Thaxton Ave and John Street	5444	SY	\$ 15.00	\$ 81,666.67
910.027	66" Storm Drain RCP Type III with connection, trenching, backfill, CIP from Broadway to Thaxton Rd into John Street Pond	685	LF	\$ 400.00	\$ 274,000.00
xxx.xxx	66" Storm Drain Trenching > 16ft deep, CIP	685	LF	\$ 300.00	\$ 205,500.00
xxx.xxx	66" Storm Drain Diversion Junction Box in Broadway, Thaxton and John Street (10' deep) Junction box to cone shape structure	1	EA	\$ 20,000.00	\$ 20,000.00
xxx.xxx	66" Storm Drain Diversion Junction Box in Broadway, Thaxton and John Street (12' deep) Junction box to cone shape structure	1	EA	\$ 25,000.00	\$ 25,000.00
xxx.xxx	66" Storm Drain Diversion Junction Box in Broadway, Thaxton and John Street (17' deep) Junction box to cone shape structure	1	EA	\$ 35,000.00	\$ 35,000.00
920.570	Existing Manhole (Barelas Ditch), remove and dispose, all depths, 4' to 6' dia., CIP.	4	EA	\$ 1,500.00	\$ 6,000.00
910.104	Remove and dispose of 24" storm drain in John Street (ABQ 2000 Utility Map)	584	LF	\$ 25.00	\$ 14,600.00
910.013	John Street Pond Outfall structure - 30" diameter storm drain (RCP Type III)	765	LF	\$ 100.00	\$ 76,500.00
xxx.xxx	John Street Pond Outfall structure - 30" diameter storm drain trenching	765	LF	\$ 75.00	\$ 57,375.00
920.140	MH, 6' dia. Type C or E, 6-10' deep, CIP	4	EA	\$ 7,500.00	\$ 30,000.00
605.010	John Street Pond Lining - Shotcrete 6" thick - 1V:1.5H side slopes	2100	SY	\$ 110.00	\$ 231,000.00
NMDOT 902	Materials Testing, Quality Assurance and Submittals Allowance	1	AI	\$ 35,000.00	\$ 35,000.00
NMDOT 801	Construction Staking, Complete	1	LS	\$ 65,000.00	\$ 65,000.00
NMDOT 603	Temporary Pollution Control: NPDES and SWPPP Preparation and Maintenance, Complete	1	LS	\$ 10,000.00	\$ 10,000.00
NMDOT 663	Utility Relocation Allowance	1	AI	\$ 50,000.00	\$ 50,000.00
Phase 1 Construction Subtotal:					\$ 2,108,584.88
COA 6.05 & 6.06	Mobilization & Demobilization: Comply., Not to exceed 5% of the sub-total	5.00%	LS	\$105,429.24	\$ 105,429.24
Phase 1 Construction Subtotal With Mobilization and Demobilization:					\$ 2,214,014.12
35% Contingency					\$ 774,904.94
Pre Construction Costs: Design, Survey, Geotechnical & SUE = 10% of Construction Costs					\$ 221,401.41
NMGRT - City of Albuquerque @ 7.875%					\$ 174,353.61
Phase 1 Total					\$ 3,384,674.09
Phase 2					
APWA 201	Site Clear and Grub-Kathryn Pond	2	AC	\$ 2,291.00	\$ 5,075.33
APWA 201	Site Clear and Grub-South Broadway Pond	3	AC	\$ 2,291.00	\$ 7,694.52
APWA 204	Export Material- South Broadway Pond Modifications	13000	CY	\$ 17.00	\$ 221,000.00
APWA 204	Export Material-Kathryn Pond Modifications	4100	CY	\$ 17.00	\$ 69,700.00
336.025	Asphalt Concrete, 3-1/2" thick, superpave w/ 12" subgrade- Broadway and Santa Fe, Broadway and Kathryn, and Williams and Kathryn - Modifications to junctions	3223	SY	\$ 35.00	\$ 112,801.11
343.030	Existing asphalt up to 4" thick, sawcut, remove and dispose, Comp. in Broadway and Santa Fe, Broadway and Kathryn, and Williams and Kathryn - Modifications to junctions	3223	SY	\$ 15.00	\$ 48,343.33
605.010	South Broadway Pond Lining - Shotcrete 6" thick - 1V:1.5H side slopes	2758	SY	\$ 110.00	\$ 303,380.00
605.010	Kathryn Pond Lining - Shotcrete 6" thick - 1V:1.5H side slopes	924	SY	\$ 110.00	\$ 101,640.00
336.025	Asphalt Concrete, 3-1/2" thick, superpave w/ 12" subgrade- Broadway Blvd & Wheeler Ave (before Mechem Pond)	2900	SY	\$ 35.00	\$ 101,503.89
343.030	Existing asphalt up to 4" thick, sawcut, remove and dispose, Comp. in Broadway Blvd & Wheeler Ave (before Mechem Pond)	2900	SY	\$ 15.00	\$ 43,501.67
910.029	72" Storm Drain RCP Type III with connection, trenching, backfill, CIP from Broadway Blvd & Wheeler Ave (before Mechem Pond)	320	LF	\$ 540.00	\$ 172,800.00
xxx.xxx	72" Storm Drain Trenching > 20ft deep, CIP	320	LF	\$ 400.00	\$ 128,000.00
xxx.xxx	Junction box modifications Broadway Blvd & Kathryn Ave	1	EA	\$ 35,000.00	\$ 35,000.00
xxx.xxx	Junction box modifications Broadway Blvd & Wheeler Ave (before Mechem Pond)	1	EA	\$ 35,000.00	\$ 35,000.00
xxx.xxx	Junction box modifications Williams St & Kathryn Ave	1	EA	\$ 15,000.00	\$ 15,000.00
NMDOT 902	Materials Testing, Quality Assurance and Submittals Allowance	1	AI	\$ 35,000.00	\$ 35,000.00
NMDOT 801	Construction Staking, Complete	1	LS	\$ 65,000.00	\$ 65,000.00
NMDOT 603	Temporary Pollution Control: NPDES and SWPPP Preparation and Maintenance, Complete	1	LS	\$ 10,000.00	\$ 10,000.00
NMDOT 663	Utility Relocation Allowance	1	AI	\$ 50,000.00	\$ 50,000.00
Phase 2 Construction Subtotal:					\$ 1,560,439.85
COA 6.05 & 6.06	Mobilization & Demobilization: Comply., Not to exceed 5% of the sub-total	5.00%	LS	\$78,021.99	\$ 78,021.99
Phase 2 Subtotal W/ Mob & Demob:					\$ 1,638,461.85
35% Contingency					\$ 573,461.65
Pre Construction Costs: Design, Survey, Geotechnical & SUE = 10% of Construction Costs					\$ 163,846.18
NMGRT - City of Albuquerque @ 7.875%					\$ 129,028.87
Phase 2 Total					\$ 2,504,798.55
Phase 3					
910.023	54" Storm Drain in Commercial (Outlet from South Broadway Pond)	2000	LF	\$ 345.00	\$ 690,000.00
xxx.xxx	54" Storm Drain Trenching >14 feet deep, CIP	2000	LF	\$ 175.00	\$ 350,000.00
920.220	MH, 8' dia. Type C or E, 10-14' deep, CIP	6	EA	\$ 16,200.00	\$ 89,100.00
336.025	Asphalt Concrete, 3-1/2" thick, superpave w/ 12" subgrade- in Commercial	16859	SY	\$ 35.00	\$ 590,080.56
343.030	Existing asphalt up to 4" thick, sawcut, remove and dispose, Comp. in Commercial	16859	SY	\$ 15.00	\$ 252,891.67
xxx.xxx	Junction box modifications Broadway Blvd & Santa Fe	1	EA	\$ 35,000.00	\$ 35,000.00
NMDOT 902	Materials Testing, Quality Assurance and Submittals Allowance	1	AI	\$ 35,000.00	\$ 35,000.00
NMDOT 801	Construction Staking, Complete	1	LS	\$ 65,000.00	\$ 65,000.00
NMDOT 603	Temporary Pollution Control: NPDES and SWPPP Preparation and Maintenance, Complete	1	LS	\$ 10,000.00	\$ 10,000.00
NMDOT 663	Utility Relocation Allowance	1	AI	\$ 50,000.00	\$ 50,000.00
Phase 3 Construction Subtotal:					\$ 2,167,072.22
COA 6.05 & 6.06	Mobilization & Demobilization: Comply., Not to exceed 5% of the sub-total	5.00%	LS	\$108,353.61	\$ 108,353.61
Phase 3 Subtotal W/ Mob & Demob:					\$ 2,275,425.83
35% Contingency					\$ 796,399.04
Pre Construction Costs: Design, Survey, Geotechnical & SUE = 10% of Construction Costs					\$ 227,542.58
NMGRT - City of Albuquerque @ 7.875%					\$ 179,189.78
Phase 3 Total					\$ 3,478,557.24
All Phases Total:					\$ 9,368,030.00

Assumptions:
2022 COA City Engineer's Estimated Unit Prices

Table 4.3					
Engineers Opinion of Probable Cost - Option 2-Alternative 1 (Pond Top: 4951)					
South Broadway Drainage Master Plan					
Item No.		Quantity	Unit	Estimate Unit Price	Estimate Amount
Phase 1					
201.010	Site Clear and Grub-John Street Pond	4	AC	\$ 2,291.00	\$ 8,385.66
204.010	Overall Earthwork: Engineered Fill for Embankments, Training Dikes and Roads. Includes: Placement, Water, Compaction and all Related Work, Cut to Fill Complete	10	CY	\$ 5.00	\$ 50.00
205.010	Export Material-John Street Pond	48890	CY	\$ 17.00	\$ 831,130.00
336.025	Asphalt Concrete, 3-1/2" thick, superpave w/ 12" subgrade- Broadway Blvd, Thaxton Ave and John Street	5444	SY	\$ 35.00	\$ 190,555.56
343.030	Existing asphalt up to 4" thick, sawcut, remove and dispose, Comp. in Broadway Blvd, Thaxton Ave and John Street	5444	SY	\$ 15.00	\$ 81,666.67
910.027	66" Storm Drain RCP Type III with connection, trenching, backfill, CIP from Broadway to Thaxton Rd into John Street Pond	685	LF	\$ 400.00	\$ 274,000.00
xxx.xxx	66" Storm Drain Trenching > 16ft deep, CIP	685	LF	\$ 300.00	\$ 205,500.00
xxx.xxx	66" Storm Drain Diversion Junction Box in Broadway, Thaxton and John Street (10' deep) Junction box to cone shape structure	1	EA	\$ 20,000.00	\$ 20,000.00
xxx.xxx	66" Storm Drain Diversion Junction Box in Broadway, Thaxton and John Street (12' deep) Junction box to cone shape structure	1	EA	\$ 25,000.00	\$ 25,000.00
xxx.xxx	66" Storm Drain Diversion Junction Box in Broadway, Thaxton and John Street (17' deep) Junction box to cone shape structure	1	EA	\$ 35,000.00	\$ 35,000.00
1005.310	John Street Pond Lining - 1" Gravel Mulch thick - 1V:2.5H side slopes	5600	SY	\$ 16.00	\$ 89,600.00
302.010	John Street Pond Driving Pad, 6" Base Course	1400	SY	\$ 11.00	\$ 15,400.00
1005.310	John Street Outside Berm Slope, 1" Gravel Mulch thick- 1V:3H side slopes	1000	SY	\$ 16.00	\$ 16,000.00
xxx.xxx	Pump Station, electrical, building, controls, force main, and site grading, complete	1	LS	\$ 1,000,000.00	\$ 1,000,000.00
xxx.xxx	Outlet Structure for SD from Broadway, Thaxton and John St	1	EA	\$ 50,000.00	\$ 50,000.00
NMDOT 902	Materials Testing, Quality Assurance and Submittals Allowance	1	AL	\$ 35,000.00	\$ 35,000.00
NMDOT 801	Construction Staking, Complete	1	LS	\$ 65,000.00	\$ 65,000.00
NMDOT 603	Temporary Pollution Control: NPDES and SWPPP Preparation and Maintenance, Complete	1	LS	\$ 10,000.00	\$ 10,000.00
NMDOT 663	Utility Relocation Allowance	1	Al	\$ 50,000.00	\$ 50,000.00
Phase 1 Construction Subtotal:				\$	3,002,287.88
COA 6.05 & 6.06	Mobilization & Demobilization: Comply., Not to exceed 5% of the sub-total	5.00%	LS	\$150,114.39	\$ 150,114.39
Phase 1 Construction Subtotal With Mobilization and Demobilization:				\$	3,152,402.28
35% Contingency				\$	1,103,340.80
Pre Construction Costs: Design, Survey, Geotechnical & SUE = 10% of Construction Costs				\$	315,240.23
NMGRT - City of Albuquerque @ 7.875%				\$	248,251.68
Phase 1 Total				\$	4,819,234.98
Phase 2					
xxx.xxx	Outlet Structure for SD from Williams, Thaxton & Barelás Ditch	1	EA	\$ 100,000.00	\$ 100,000.00
336.025	Asphalt Concrete, 3-1/2" thick, superpave w/ 12" subgrade- Williams St and Thaxton Ave	3487	SY	\$ 35.00	\$ 122,037.22
343.030	Existing asphalt up to 4" thick, sawcut, remove and dispose, Comp. in Broadway Blvd, Thaxton Ave and John Street	3487	SY	\$ 15.00	\$ 52,301.67
910.027	72" Storm Drain RCP Type III with connection, trenching, backfill, CIP from Williams St to Thaxton to Barelás Ditch into John Street Pond	1119	LF	\$ 400.00	\$ 447,600.00
xxx.xxx	72" Storm Drain Trenching > 16ft deep, CIP	1119	LF	\$ 300.00	\$ 335,700.00
xxx.xxx	72" Storm Drain Diversion Junction Box in Williams & Thaxton (9' deep) Junction box to cone shape structure	1	EA	\$ 20,000.00	\$ 20,000.00
xxx.xxx	72" Storm Drain Diversion Junction Box in Thaxton & Hinkle (11' deep) Junction box to cone shape structure	1	EA	\$ 25,000.00	\$ 25,000.00
xxx.xxx	72" Storm Drain Diversion Junction Box in Thaxton & Barelás Ditch (18' deep) Junction box to cone shape structure	1	EA	\$ 40,000.00	\$ 40,000.00
Phase 2 Construction Subtotal:				\$	1,142,638.89
COA 6.05 & 6.06	Mobilization & Demobilization: Comply., Not to exceed 5% of the sub-total	5.00%	LS	\$ 57,131.94	\$ 57,131.94
Phase 2 Construction Subtotal With Mobilization and Demobilization:				\$	1,199,770.83
35% Contingency				\$	419,919.79
Pre Construction Costs: Design, Survey, Geotechnical & SUE = 10% of Construction Costs				\$	119,977.08
NMGRT - City of Albuquerque @ 7.875%				\$	94,481.95
Phase 2 Total				\$	1,834,149.66
Phase 3					
APWA 201	Site Clear and Grub-Kathryn Pond	2	AC	\$ 2,291.00	\$ 5,075.33
APWA 201	Site Clear and Grub-South Broadway Pond	3	AC	\$ 2,291.00	\$ 7,694.52
APWA 204	Export Material- South Broadway Pond Modifications	13000	CY	\$ 17.00	\$ 221,000.00
APWA 204	Export Material-Kathryn Pond Modifications	4100	CY	\$ 17.00	\$ 69,700.00
336.025	Asphalt Concrete, 3-1/2" thick, superpave w/ 12" subgrade- Broadway and Santa Fe, Broadway and Kathryn, and Williams and Kathryn - Modifications to junctions	3223	SY	\$ 35.00	\$ 112,801.11
343.03	Existing asphalt up to 4" thick, sawcut, remove and dispose, Comp. in Broadway and Santa Fe, Broadway and Kathryn, and Williams and Kathryn - Modifications to junctions	3223	SY	\$ 15.00	\$ 48,343.33
605.010	South Broadway Pond Lining - Shotcrete 6" thick - 1V:1.5H side slopes	2758	SY	\$ 110.00	\$ 303,380.00
605.010	Kathryn Pond Lining - Shotcrete 6" thick - 1V:1.5H side slopes	924	SY	\$ 110.00	\$ 101,640.00
336.025	Asphalt Concrete, 3-1/2" thick, superpave w/ 12" subgrade- Broadway Blvd & Wheeler Ave (before Mechem Pond)	2900	SY	\$ 35.00	\$ 101,503.89
343.030	Existing asphalt up to 4" thick, sawcut, remove and dispose, Comp. in Broadway Blvd & Wheeler Ave (before Mechem Pond)	2900	SY	\$ 15.00	\$ 43,501.67
910.029	72" Storm Drain RCP Type III with connection, trenching, backfill, CIP from Broadway Blvd & Wheeler Ave (before Mechem Pond)	320	LF	\$ 540.00	\$ 172,800.00
xxx.xxx	72" Storm Drain Trenching > 20ft deep, CIP	320	LF	\$ 400.00	\$ 128,000.00
xxx.xxx	Junction box modifications Broadway Blvd & Kathryn Ave	1	EA	\$ 35,000.00	\$ 35,000.00
xxx.xxx	Junction box modifications Broadway Blvd & Wheeler Ave (before Mechem Pond)	1	EA	\$ 35,000.00	\$ 35,000.00
xxx.xxx	Junction box modifications Williams St & Kathryn Ave	1	EA	\$ 15,000.00	\$ 15,000.00
NMDOT 902	Materials Testing, Quality Assurance and Submittals Allowance	1	Al	\$ 35,000.00	\$ 35,000.00
NMDOT 801	Construction Staking, Complete	1	LS	\$ 65,000.00	\$ 65,000.00
NMDOT 603	Temporary Pollution Control: NPDES and SWPPP Preparation and Maintenance, Complete	1	LS	\$ 10,000.00	\$ 10,000.00
NMDOT 663	Utility Relocation Allowance	1	Al	\$ 50,000.00	\$ 50,000.00
Phase 3 Construction Subtotal:				\$	1,560,439.85
COA 6.05 & 6.06	Mobilization & Demobilization: Comply., Not to exceed 5% of the sub-total	5.00%	LS	\$78,021.99	\$ 78,021.99
Phase 3 Subtotal W/ Mob & Demob:				\$	1,638,461.85
35% Contingency				\$	573,461.65
Pre Construction Costs: Design, Survey, Geotechnical & SUE = 10% of Construction Costs				\$	163,846.18
NMGRT - City of Albuquerque @ 7.875%				\$	129,028.87
Phase 3 Total				\$	2,504,798.55
Phase 4					
910.023	54" Storm Drain in Commercial (Outlet from South Broadway Pond)	2000	LF	\$ 345.00	\$ 690,000.00
xxx.xxx	54" Storm Drain Trenching >14 feet deep, CIP	2000	LF	\$ 175.00	\$ 350,000.00
920.220	MH, 8' dia. Type C or E, 10-14' deep, CIP	6	EA	\$ 16,200.00	\$ 89,100.00
336.025	Asphalt Concrete, 3-1/2" thick, superpave w/ 12" subgrade- in Commercial	16859	SY	\$ 35.00	\$ 590,080.56
343.030	Existing asphalt up to 4" thick, sawcut, remove and dispose, Comp. in Commercial	16859	SY	\$ 15.00	\$ 252,891.67
xxx.xxx	Junction box modifications Broadway Blvd & Santa Fe	1	EA	\$ 35,000.00	\$ 35,000.00
NMDOT 902	Materials Testing, Quality Assurance and Submittals Allowance	1	Al	\$ 35,000.00	\$ 35,000.00
NMDOT 801	Construction Staking, Complete	1	LS	\$ 65,000.00	\$ 65,000.00
NMDOT 603	Temporary Pollution Control: NPDES and SWPPP Preparation and Maintenance, Complete	1	LS	\$ 10,000.00	\$ 10,000.00
NMDOT 663	Utility Relocation Allowance	1	Al	\$ 50,000.00	\$ 50,000.00
Phase 4 Construction Subtotal:				\$	2,167,072.22
COA 6.05 & 6.06	Mobilization & Demobilization: Comply., Not to exceed 5% of the sub-total	5.00%	LS	\$108,353.61	\$ 108,353.61
Phase 4 Subtotal W/ Mob & Demob:				\$	2,275,425.83
35% Contingency				\$	796,399.04
Pre Construction Costs: Design, Survey, Geotechnical & SUE = 10% of Construction Costs				\$	227,542.58
NMGRT - City of Albuquerque @ 7.875%				\$	179,189.78
Phase 4 Total				\$	3,478,557.24
Phase 5					
920.57	Existing Manhole (Barelás Ditch), remove and dispose, all depths, 4' to 6' dia., CIP.	4	EA	\$ 1,500.00	\$ 6,000.00
910.104	Remove and dispose of 24" storm drain in John Street (ABQ 2000 Utility Map)	584	LF	\$ 25.00	\$ 14,600.00
910.013	John Street Pond Outfall structure - 30" diameter storm drain (RCP Type III)	765	LF	\$ 100.00	\$ 76,500.00
xxx.xxx	John Street Pond Outfall structure - 30" diameter storm drain trenching	765	LF	\$ 75.00	\$ 57,375.00
920.14	MH, 6' dia. Type C or E, 6-10' deep, CIP	4	EA	\$ 7,500.00	\$ 30,000.00
NMDOT 902	Materials Testing, Quality Assurance and Submittals Allowance	1	AL	\$ 35,000.00	\$ 35,000.00
NMDOT 801	Construction Staking, Complete	1	LS	\$ 65,000.00	\$ 65,000.00
NMDOT 603	Temporary Pollution Control: NPDES and SWPPP Preparation and Maintenance, Complete	1	LS	\$ 10,000.00	\$ 10,000.00
NMDOT 663	Utility Relocation Allowance	1	Al	\$ 50,000.00	\$ 50,000.00
Phase 5 Construction Subtotal:				\$	344,475.00
COA 6.05 & 6.06	Mobilization & Demobilization: Comply., Not to exceed 5% of the sub-total	5.00%	LS	\$17,223.75	\$ 17,223.75
Phase 5 Construction Subtotal With Mobilization and Demobilization:				\$	361,698.75
35% Contingency				\$	126,594.56
Pre Construction Costs: Design, Survey, Geotechnical & SUE = 10% of Construction Costs				\$	36,169.88
NMGRT - City of Albuquerque @ 7.875%				\$	28,483.78
Phase 5 Total				\$	552,946.96
All Phases Total:				\$	13,189,688.00

Assumptions:
2022 COA City Engineer's Estimated Unit Prices

Table 4.4					
Engineers Opinion of Probable Cost - Option 2-Alternative 2 (Pond Top: 4956)					
South Broadway Drainage Master Plan					
Item No.		Quantity	Unit	Estimate Unit Price	Estimate Amount
Phase 1					
201.010	Site Clear and Grub-John Street Pond	4	AC	\$ 2,291.00	\$ 8,385.66
204.010	Overall Earthwork: Engineered Fill for Embankments, Training Dikes and Roads. Includes: Placement, Water, Compaction and all Related Work, Cut to Fill Complete	3524	CY	\$ 5.00	\$ 17,620.00
205.010	Export Material-John Street Pond	40951	CY	\$ 17.00	\$ 696,167.00
336.025	Asphalt Concrete, 3-1/2" thick, superpave w/ 12" subgrade- Broadway Blvd, Thaxton Ave and John Street	5444	SY	\$ 35.00	\$ 190,555.56
343.030	Existing asphalt up to 4" thick, sawcut, remove and dispose, Comp. in Broadway Blvd, Thaxton Ave and John Street	5444	SY	\$ 15.00	\$ 81,666.67
910.027	66" Storm Drain RCP Type III with connection, trenching, backfill, CIP from Broadway to Thaxton Rd into John Street Pond	685	LF	\$ 400.00	\$ 274,000.00
xxx.xxx	66" Storm Drain Trenching > 16ft deep, CIP	685	LF	\$ 300.00	\$ 205,500.00
xxx.xxx	66" Storm Drain Diversion Junction Box in Broadway, Thaxton and John Street (10' deep) Junction box to cone shape structure	1	EA	\$ 20,000.00	\$ 20,000.00
xxx.xxx	66" Storm Drain Diversion Junction Box in Broadway, Thaxton and John Street (12' deep) Junction box to cone shape structure	1	EA	\$ 25,000.00	\$ 25,000.00
xxx.xxx	66" Storm Drain Diversion Junction Box in Broadway, Thaxton and John Street (17' deep) Junction box to cone shape structure	1	EA	\$ 35,000.00	\$ 35,000.00
1005.310	John Street Pond Lining - 1" Gravel Mulch thick - 1V:2.5H side slopes	7000	SY	\$ 16.00	\$ 112,000.00
302.010	John Street Pond Driving Pad, 6" Base Course	1500	SY	\$ 11.00	\$ 16,500.00
1005.310	John Street Outside Berm Slope, 1" Gravel Mulch thick- 1V:3H side slopes	1400	SY	\$ 16.00	\$ 22,400.00
xxx.xxx	Pump Station, electrical, building, controls, force main, and site grading, complete	1	LS	\$ 1,000,000.00	\$ 1,000,000.00
xxx.xxx	Outlet Structure for SD from Broadway, Thaxton and John St	1	EA	\$ 50,000.00	\$ 50,000.00
NMDOT 902	Materials Testing, Quality Assurance and Submittals Allowance	1	AL	\$ 35,000.00	\$ 35,000.00
NMDOT 801	Construction Staking, Complete	1	LS	\$ 65,000.00	\$ 65,000.00
NMDOT 603	Temporary Pollution Control: NPDES and SWPPP Preparation and Maintenance, Complete	1	LS	\$ 10,000.00	\$ 10,000.00
NMDOT 663	Utility Relocation Allowance	1	AI	\$ 50,000.00	\$ 50,000.00
Phase 1 Construction Subtotal:				\$	2,914,794.88
COA 6.05 & 6.06	Mobilization & Demobilization: Comply., Not to exceed 5% of the sub-total	5.00%	LS	\$ 145,739.74	\$ 145,739.74
Phase 1 Construction Subtotal With Mobilization and Demobilization:				\$	3,060,534.63
35% Contingency				\$	1,071,187.12
Pre Construction Costs: Design, Survey, Geotechnical & SUE = 10% of Construction Costs				\$	306,053.46
NMGRT - City of Albuquerque @ 7.875%				\$	241,017.10
Phase 1 Total				\$	4,678,792.31
Phase 2					
xxx.xxx	Outlet Structure for SD from Williams, Thaxton & Barelás Ditch	1	EA	\$ 100,000.00	\$ 100,000.00
336.025	Asphalt Concrete, 3-1/2" thick, superpave w/ 12" subgrade- Williams St and Thaxton Ave	3487	SY	\$ 35.00	\$ 122,037.22
343.030	Existing asphalt up to 4" thick, sawcut, remove and dispose, Comp. in Broadway Blvd, Thaxton Ave and John Street	3487	SY	\$ 15.00	\$ 52,301.67
910.027	72" Storm Drain RCP Type III with connection, trenching, backfill, CIP from Williams St to Thaxton to Barelás Ditch into John Street Pond	1119	LF	\$ 400.00	\$ 447,600.00
xxx.xxx	72" Storm Drain Trenching > 16ft deep, CIP	1119	LF	\$ 300.00	\$ 335,700.00
xxx.xxx	72" Storm Drain Diversion Junction Box in Williams & Thaxton (9' deep) Junction box to cone shape structure	1	EA	\$ 20,000.00	\$ 20,000.00
xxx.xxx	72" Storm Drain Diversion Junction Box in Thaxton & Hinkle (11' deep) Junction box to cone shape structure	1	EA	\$ 25,000.00	\$ 25,000.00
xxx.xxx	72" Storm Drain Diversion Junction Box in Thaxton & Barelás Ditch (18' deep) Junction box to cone shape structure	1	EA	\$ 40,000.00	\$ 40,000.00
Phase 2 Construction Subtotal:				\$	1,142,638.89
COA 6.05 & 6.06	Mobilization & Demobilization: Comply., Not to exceed 5% of the sub-total	5.00%	LS	\$ 57,131.94	\$ 57,131.94
Phase 2 Construction Subtotal With Mobilization and Demobilization:				\$	1,199,770.83
35% Contingency				\$	419,919.79
Pre Construction Costs: Design, Survey, Geotechnical & SUE = 10% of Construction Costs				\$	119,977.08
NMGRT - City of Albuquerque @ 7.875%				\$	94,481.95
Phase 2 Total				\$	1,834,149.66
Phase 3					
APWA 201	Site Clear and Grub-Kathryn Pond	2	AC	\$ 2,291.00	\$ 5,075.33
APWA 201	Site Clear and Grub-South Broadway Pond	3	AC	\$ 2,291.00	\$ 7,694.52
APWA 204	Export Material- South Broadway Pond Modifications	13000	CY	\$ 17.00	\$ 221,000.00
APWA 204	Export Material-Kathryn Pond Modifications	4100	CY	\$ 17.00	\$ 69,700.00
336.025	Asphalt Concrete, 3-1/2" thick, superpave w/ 12" subgrade- Broadway and Santa Fe, Broadway and Kathryn, and Williams and Kathryn - Modifications to junctions	3223	SY	\$ 35.00	\$ 112,801.11
343.03	Existing asphalt up to 4" thick, sawcut, remove and dispose, Comp. in Broadway and Santa Fe, Broadway and Kathryn, and Williams and Kathryn - Modifications to junctions	3223	SY	\$ 15.00	\$ 48,343.33
605.010	South Broadway Pond Lining - Shotcrete 6" thick - 1V:1.5H side slopes	2758	SY	\$ 110.00	\$ 303,380.00
605.010	Kathryn Pond Lining - Shotcrete 6" thick - 1V:1.5H side slopes	924	SY	\$ 110.00	\$ 101,640.00
336.025	Asphalt Concrete, 3-1/2" thick, superpave w/ 12" subgrade- Broadway Blvd & Wheeler Ave (before Mechem Pond)	2900	SY	\$ 35.00	\$ 101,503.89
343.030	Existing asphalt up to 4" thick, sawcut, remove and dispose, Comp. in Broadway Blvd & Wheeler Ave (before Mechem Pond)	2900	SY	\$ 15.00	\$ 43,501.67
910.029	72" Storm Drain RCP Type III with connection, trenching, backfill, CIP from Broadway Blvd & Wheeler Ave (before Mechem Pond)	320	LF	\$ 540.00	\$ 172,800.00
xxx.xxx	72" Storm Drain Trenching > 20ft deep, CIP	320	LF	\$ 400.00	\$ 128,000.00
xxx.xxx	Junction box modifications Broadway Blvd & Kathryn Ave	1	EA	\$ 35,000.00	\$ 35,000.00
xxx.xxx	Junction box modifications Broadway Blvd & Wheeler Ave (before Mechem Pond)	1	EA	\$ 35,000.00	\$ 35,000.00
xxx.xxx	Junction box modifications Williams St & Kathryn Ave	1	EA	\$ 15,000.00	\$ 15,000.00
NMDOT 902	Materials Testing, Quality Assurance and Submittals Allowance	1	AI	\$ 35,000.00	\$ 35,000.00
NMDOT 801	Construction Staking, Complete	1	LS	\$ 65,000.00	\$ 65,000.00
NMDOT 603	Temporary Pollution Control: NPDES and SWPPP Preparation and Maintenance, Complete	1	LS	\$ 10,000.00	\$ 10,000.00
NMDOT 663	Utility Relocation Allowance	1	AI	\$ 50,000.00	\$ 50,000.00
Phase 3 Construction Subtotal:				\$	1,560,439.85
COA 6.05 & 6.06	Mobilization & Demobilization: Comply., Not to exceed 5% of the sub-total	5.00%	LS	\$ 78,021.99	\$ 78,021.99
Phase 3 Subtotal W/ Mob & Demob:				\$	1,638,461.85
35% Contingency				\$	573,461.65
Pre Construction Costs: Design, Survey, Geotechnical & SUE = 10% of Construction Costs				\$	163,846.18
NMGRT - City of Albuquerque @ 7.875%				\$	129,028.87
Phase 3 Total				\$	2,504,798.55
Phase 4					
910.023	54" Storm Drain in Commercial (Outlet from South Broadway Pond)	2000	LF	\$ 345.00	\$ 690,000.00
xxx.xxx	54" Storm Drain Trenching >14 feet deep, CIP	2000	LF	\$ 175.00	\$ 350,000.00
920.220	MH, 8' dia. Type C or E, 10-14' deep, CIP	6	EA	\$ 16,200.00	\$ 89,100.00
336.025	Asphalt Concrete, 3-1/2" thick, superpave w/ 12" subgrade- in Commercial	16859	SY	\$ 35.00	\$ 590,080.56
343.030	Existing asphalt up to 4" thick, sawcut, remove and dispose, Comp. in Commercial	16859	SY	\$ 15.00	\$ 252,891.67
xxx.xxx	Junction box modifications Broadway Blvd & Santa Fe	1	EA	\$ 35,000.00	\$ 35,000.00
NMDOT 902	Materials Testing, Quality Assurance and Submittals Allowance	1	AI	\$ 35,000.00	\$ 35,000.00
NMDOT 801	Construction Staking, Complete	1	LS	\$ 65,000.00	\$ 65,000.00
NMDOT 603	Temporary Pollution Control: NPDES and SWPPP Preparation and Maintenance, Complete	1	LS	\$ 10,000.00	\$ 10,000.00
NMDOT 663	Utility Relocation Allowance	1	AI	\$ 50,000.00	\$ 50,000.00
Phase 4 Construction Subtotal:				\$	2,167,072.22
COA 6.05 & 6.06	Mobilization & Demobilization: Comply., Not to exceed 5% of the sub-total	5.00%	LS	\$ 108,353.61	\$ 108,353.61
Phase 4 Subtotal W/ Mob & Demob:				\$	2,275,425.83
35% Contingency				\$	796,399.04
Pre Construction Costs: Design, Survey, Geotechnical & SUE = 10% of Construction Costs				\$	227,542.58
NMGRT - City of Albuquerque @ 7.875%				\$	179,189.78
Phase 4 Total				\$	3,478,557.24
Phase 5					
920.57	Existing Manhole (Barelás Ditch), remove and dispose, all depths, 4' to 6' dia., CIP.	4	EA	\$ 1,500.00	\$ 6,000.00
910.104	Remove and dispose of 24" storm drain in John Street (ABQ 2000 Utility Map)	584	LF	\$ 25.00	\$ 14,600.00
910.013	John Street Pond Outfall structure - 30" diameter storm drain (RCP Type III)	765	LF	\$ 100.00	\$ 76,500.00
xxx.xxx	John Street Pond Outfall structure - 30" diameter storm drain trenching	765	LF	\$ 75.00	\$ 57,375.00
920.14	MH, 6' dia. Type C or E, 6-10' deep, CIP	4	EA	\$ 7,500.00	\$ 30,000.00
NMDOT 902	Materials Testing, Quality Assurance and Submittals Allowance	1	AL	\$ 35,000.00	\$ 35,000.00
NMDOT 801	Construction Staking, Complete	1	LS	\$ 65,000.00	\$ 65,000.00
NMDOT 603	Temporary Pollution Control: NPDES and SWPPP Preparation and Maintenance, Complete	1	LS	\$ 10,000.00	\$ 10,000.00
NMDOT 663	Utility Relocation Allowance	1	AI	\$ 50,000.00	\$ 50,000.00
Phase 5 Construction Subtotal:				\$	344,475.00
COA 6.05 & 6.06	Mobilization & Demobilization: Comply., Not to exceed 5% of the sub-total	5.00%	LS	\$ 17,223.75	\$ 17,223.75
Phase 5 Construction Subtotal With Mobilization and Demobilization:				\$	361,698.75
35% Contingency				\$	126,594.56
Pre Construction Costs: Design, Survey, Geotechnical & SUE = 10% of Construction Costs				\$	36,169.88
NMGRT - City of Albuquerque @ 7.875%				\$	28,483.78
Phase 5 Total				\$	552,946.96
All Phases Total:				\$	13,049,245.00

Assumptions:
2022 COA City Engineer's Estimated Unit Prices

Table 4.5 Engineers Opinion of Probable Cost - Option 3-Alternative 1 (Pond Top: 4951) South Broadway Drainage Master Plan					
Item No.		Quantity	Unit	Estimate Unit Price	Estimate Amount
Phase 1					
201.010	Site Clear and Grub-John Street Pond	4	AC	\$ 2,291.00	\$ 8,385.66
204.010	Overall Earthwork: Engineered Fill for Embankments, Training Dikes and Roads. Includes: Placement, Water, Compaction and all Related Work, Cut to Fill Complete	5	CY	\$ 5.00	\$ 25.00
205.010	Export Material-John Street Pond	42050	CY	\$ 17.00	\$ 714,850.00
336.025	Asphalt Concrete, 3-1/2" thick, superpave w/ 12" subgrade- Broadway Blvd, Thaxton Ave and John Street	5444	SY	\$ 35.00	\$ 190,555.56
343.030	Existing asphalt up to 4" thick, sawcut, remove and dispose, Comp. in Broadway Blvd, Thaxton Ave and John Street	5444	SY	\$ 15.00	\$ 81,666.67
910.027	66" Storm Drain RCP Type III with connection, trenching, backfill, CIP from Broadway to Thaxton Rd into John Street Pond	685	LF	\$ 400.00	\$ 274,000.00
xxx.xxx	66" Storm Drain Trenching > 16ft deep, CIP	685	LF	\$ 300.00	\$ 205,500.00
xxx.xxx	66" Storm Drain Diversion Junction Box in Broadway, Thaxton and John Street (10' deep) Junction box to cone shape structure	1	EA	\$ 20,000.00	\$ 20,000.00
xxx.xxx	66" Storm Drain Diversion Junction Box in Broadway, Thaxton and John Street (12' deep) Junction box to cone shape structure	1	EA	\$ 25,000.00	\$ 25,000.00
xxx.xxx	66" Storm Drain Diversion Junction Box in Broadway, Thaxton and John Street (17' deep) Junction box to cone shape structure	1	EA	\$ 35,000.00	\$ 35,000.00
605.010	John Street Pond Lining - 6" Shotcrete - 1V:8H side slopes	2600	SY	\$ 110.00	\$ 286,000.00
920.57	Existing Manhole (Barelas Ditch), remove and dispose, all depths, 4' to 6' dia., CIP.	4	EA	\$ 1,500.00	\$ 6,000.00
910.104	Remove and dispose of 24" storm drain in John Street (ABQ 2000 Utility Map)	584	LF	\$ 25.00	\$ 14,600.00
910.013	John Street Pond Outfall structure - 30" diameter storm drain (RCP Type III)	765	LF	\$ 100.00	\$ 76,500.00
xxx.xxx	John Street Pond Outfall structure - 30" diameter storm drain trenching	765	LF	\$ 75.00	\$ 57,375.00
920.14	MH, 6' dia. Type C or E, 6-10' deep, CIP	4	EA	\$ 7,500.00	\$ 30,000.00
1005.310	John Street Pond Lining - 1" Gravel Mulch thick - 1V:2.5H side slopes	4300	SY	\$ 16.00	\$ 68,800.00
xxx.xxx	Outlet Structure for SD from Broadway, Thaxton and John St	1	EA	\$ 50,000.00	\$ 50,000.00
NMDOT 902	Materials Testing, Quality Assurance and Submittals Allowance	1	AL	\$ 35,000.00	\$ 35,000.00
NMDOT 801	Construction Staking, Complete	1	LS	\$ 65,000.00	\$ 65,000.00
NMDOT 603	Temporary Pollution Control: NPDES and SWPPP Preparation and Maintenance, Complete	1	LS	\$ 10,000.00	\$ 10,000.00
NMDOT 663	Utility Relocation Allowance	1	AI	\$ 50,000.00	\$ 50,000.00
Phase 1 Construction Subtotal:					\$ 2,304,257.88
COA 6.05 & 6.06	Mobilization & Demobilization: Comply., Not to exceed 5% of the sub-total	5.00%	LS	\$ 115,212.89	\$ 115,212.89
Phase 1 Construction Subtotal With Mobilization and Demobilization:					\$ 2,419,470.78
35% Contingency					\$ 846,814.77
Pre Construction Costs: Design, Survey, Geotechnical & SUE = 10% of Construction Costs					\$ 241,947.08
NMGRT - City of Albuquerque @ 7.875%					\$ 190,533.32
Phase 1 Total					\$ 3,698,765.95
Phase 2					
xxx.xxx	Outlet Structure for SD from Williams, Thaxton & Barelas Ditch	1	EA	\$ 50,000.00	\$ 50,000.00
336.025	Asphalt Concrete, 3-1/2" thick, superpave w/ 12" subgrade- Williams St and Thaxton Ave	3487	SY	\$ 35.00	\$ 122,037.22
343.030	Existing asphalt up to 4" thick, sawcut, remove and dispose, Comp. in Broadway Blvd, Thaxton Ave and John Street	3487	SY	\$ 15.00	\$ 52,301.67
910.029	72" Storm Drain RCP Type III with connection, trenching, backfill, CIP from Williams St to Thaxton to Barelas Ditch into John Street Pond	1119	LF	\$ 400.00	\$ 447,600.00
xxx.xxx	Pump Station, electrical, building, controls, force main, and site grading, complete	1	LS	\$ 500,000.00	\$ 500,000.00
xxx.xxx	72" Storm Drain Trenching > 16ft deep, CIP	1119	LF	\$ 300.00	\$ 335,700.00
xxx.xxx	72" Storm Drain Diversion Junction Box in Williams & Thaxton (9' deep) Junction box to cone shape structure	1	EA	\$ 20,000.00	\$ 20,000.00
xxx.xxx	72" Storm Drain Diversion Junction Box in Thaxton & Hinkle (11' deep) Junction box to cone shape structure	1	EA	\$ 25,000.00	\$ 25,000.00
xxx.xxx	72" Storm Drain Diversion Junction Box in Thaxton & Barelas Ditch (18' deep) Junction box to cone shape structure	1	EA	\$ 40,000.00	\$ 40,000.00
Phase 2 Construction Subtotal:					\$ 1,592,638.89
COA 6.05 & 6.06	Mobilization & Demobilization: Comply., Not to exceed 5% of the sub-total	5.00%	LS	\$ 79,631.94	\$ 79,631.94
Phase 2 Construction Subtotal With Mobilization and Demobilization:					\$ 1,672,270.83
35% Contingency					\$ 585,294.79
Pre Construction Costs: Design, Survey, Geotechnical & SUE = 10% of Construction Costs					\$ 167,227.08
NMGRT - City of Albuquerque @ 7.875%					\$ 131,691.33
Phase 2 Total					\$ 2,556,484.04
Phase 3					
APWA 201	Site Clear and Grub-Kathryn Pond	2	AC	\$ 2,291.00	\$ 5,075.33
APWA 201	Site Clear and Grub-South Broadway Pond	3	AC	\$ 2,291.00	\$ 7,694.52
APWA 204	Export Material- South Broadway Pond Modifications	13000	CY	\$ 17.00	\$ 221,000.00
APWA 204	Export Material-Kathryn Pond Modifications	4100	CY	\$ 17.00	\$ 69,700.00
336.025	Asphalt Concrete, 3-1/2" thick, superpave w/ 12" subgrade- Broadway and Santa Fe, Broadway and Kathryn, and Williams and Kathryn - Modifications to junctions	3223	SY	\$ 35.00	\$ 112,801.11
343.03	Existing asphalt up to 4" thick, sawcut, remove and dispose, Comp. in Broadway and Santa Fe, Broadway and Kathryn, and Williams and Kathryn - Modifications to junctions	3223	SY	\$ 15.00	\$ 48,343.33
605.010	South Broadway Pond Lining - Shotcrete 6" thick - 1V:1.5H side slopes	2758	SY	\$ 110.00	\$ 303,380.00
605.010	Kathryn Pond Lining - Shotcrete 6" thick - 1V:1.5H side slopes	924	SY	\$ 110.00	\$ 101,640.00
336.025	Asphalt Concrete, 3-1/2" thick, superpave w/ 12" subgrade- Broadway Blvd & Wheeler Ave (before Mechem Pond)	2900	SY	\$ 35.00	\$ 101,503.89
343.030	Existing asphalt up to 4" thick, sawcut, remove and dispose, Comp. in Broadway Blvd & Wheeler Ave (before Mechem Pond)	2900	SY	\$ 15.00	\$ 43,501.67
910.029	72" Storm Drain RCP Type III with connection, trenching, backfill, CIP from Broadway Blvd & Wheeler Ave (before Mechem Pond)	320	LF	\$ 540.00	\$ 172,800.00
xxx.xxx	72" Storm Drain Trenching > 20ft deep, CIP	320	LF	\$ 400.00	\$ 128,000.00
xxx.xxx	Junction box modifications Broadway Blvd & Kathryn Ave	1	EA	\$ 35,000.00	\$ 35,000.00
xxx.xxx	Junction box modifications Broadway Blvd & Wheeler Ave (before Mechem Pond)	1	EA	\$ 35,000.00	\$ 35,000.00
xxx.xxx	Junction box modifications Williams St & Kathryn Ave	1	EA	\$ 15,000.00	\$ 15,000.00
NMDOT 902	Materials Testing, Quality Assurance and Submittals Allowance	1	AI	\$ 35,000.00	\$ 35,000.00
NMDOT 801	Construction Staking, Complete	1	LS	\$ 65,000.00	\$ 65,000.00
NMDOT 603	Temporary Pollution Control: NPDES and SWPPP Preparation and Maintenance, Complete	1	LS	\$ 10,000.00	\$ 10,000.00
NMDOT 663	Utility Relocation Allowance	1	AI	\$ 50,000.00	\$ 50,000.00
Phase 3 Construction Subtotal:					\$ 1,560,439.85
COA 6.05 & 6.06	Mobilization & Demobilization: Comply., Not to exceed 5% of the sub-total	5.00%	LS	\$ 78,021.99	\$ 78,021.99
Phase 3 Subtotal W/ Mob & Demob:					\$ 1,638,461.85
35% Contingency					\$ 573,461.65
Pre Construction Costs: Design, Survey, Geotechnical & SUE = 10% of Construction Costs					\$ 163,846.18
NMGRT - City of Albuquerque @ 7.875%					\$ 129,028.87
Phase 3 Total					\$ 2,504,798.55
Phase 4					
910.023	54" Storm Drain in Commercial (Outlet from South Broadway Pond)	2000	LF	\$ 345.00	\$ 690,000.00
xxx.xxx	54" Storm Drain Trenching >14 feet deep, CIP	2000	LF	\$ 175.00	\$ 350,000.00
920.220	MH, 8' dia. Type C or E, 10-14' deep, CIP	6	EA	\$ 16,200.00	\$ 89,100.00
336.025	Asphalt Concrete, 3-1/2" thick, superpave w/ 12" subgrade- in Commercial	16859	SY	\$ 35.00	\$ 590,080.56
343.030	Existing asphalt up to 4" thick, sawcut, remove and dispose, Comp. in Commercial	16859	SY	\$ 15.00	\$ 252,891.67
xxx.xxx	Junction box modifications Broadway Blvd & Santa Fe	1	EA	\$ 35,000.00	\$ 35,000.00
NMDOT 902	Materials Testing, Quality Assurance and Submittals Allowance	1	AI	\$ 35,000.00	\$ 35,000.00
NMDOT 801	Construction Staking, Complete	1	LS	\$ 65,000.00	\$ 65,000.00
NMDOT 603	Temporary Pollution Control: NPDES and SWPPP Preparation and Maintenance, Complete	1	LS	\$ 10,000.00	\$ 10,000.00
NMDOT 663	Utility Relocation Allowance	1	AI	\$ 50,000.00	\$ 50,000.00
Phase 4 Construction Subtotal:					\$ 2,167,072.22
COA 6.05 & 6.06	Mobilization & Demobilization: Comply., Not to exceed 5% of the sub-total	5.00%	LS	\$ 108,353.61	\$ 108,353.61
Phase 4 Subtotal W/ Mob & Demob:					\$ 2,275,425.83
35% Contingency					\$ 796,399.04
Pre Construction Costs: Design, Survey, Geotechnical & SUE = 10% of Construction Costs					\$ 227,542.58
NMGRT - City of Albuquerque @ 7.875%					\$ 179,189.78
Phase 4 Total					\$ 3,478,557.24
All Phases Total:					\$ 12,238,606.00

Assumptions:
2022 COA City Engineer's Estimated Unit Prices

Table 4.6 Engineers Opinion of Probable Cost - Option 3-Alternative 2 (Pond Top: 4956) South Broadway Drainage Master Plan					
Item No.		Quantity	Unit	Estimate Unit Price	Estimate Amount
Phase 1					
201.010	Site Clear and Grub-John Street Pond	4	AC	\$ 2,291.00	\$ 8,385.66
204.010	Overall Earthwork: Engineered Fill for Embankments, Training Dikes and Roads. Includes: Placement, Water, Compaction and all Related Work, Cut to Fill Complete	3760	CY	\$ 5.00	\$ 18,800.00
205.010	Export Material-John Street Pond	29200	CY	\$ 17.00	\$ 496,400.00
336.025	Asphalt Concrete, 3-1/2" thick, superpave w/ 12" subgrade- Broadway Blvd, Thaxton Ave and John Street	5444	SY	\$ 35.00	\$ 190,555.56
343.030	Existing asphalt up to 4" thick, sawcut, remove and dispose, Comp. in Broadway Blvd, Thaxton Ave and John Street	5444	SY	\$ 15.00	\$ 81,666.67
910.027	66" Storm Drain RCP Type III with connection, trenching, backfill, CIP from Broadway to Thaxton Rd into John Street Pond	685	LF	\$ 400.00	\$ 274,000.00
xxx.xxx	66" Storm Drain Trenching > 16ft deep, CIP	685	LF	\$ 300.00	\$ 205,500.00
xxx.xxx	66" Storm Drain Diversion Junction Box in Broadway, Thaxton and John Street (10' deep) Junction box to cone shape structure	1	EA	\$ 20,000.00	\$ 20,000.00
xxx.xxx	66" Storm Drain Diversion Junction Box in Broadway, Thaxton and John Street (12' deep) Junction box to cone shape structure	1	EA	\$ 25,000.00	\$ 25,000.00
xxx.xxx	66" Storm Drain Diversion Junction Box in Broadway, Thaxton and John Street (17' deep) Junction box to cone shape structure	1	EA	\$ 35,000.00	\$ 35,000.00
605.010	John Street Pond Lining - 6" Shotcrete - 1V:8H side slopes	1200	SY	\$ 110.00	\$ 132,000.00
920.57	Existing Manhole (Barelas Ditch), remove and dispose, all depths, 4' to 6' dia., CIP.	4	EA	\$ 1,500.00	\$ 6,000.00
910.104	Remove and dispose of 24" storm drain in John Street (ABQ 2000 Utility Map)	584	LF	\$ 25.00	\$ 14,600.00
910.013	John Street Pond Outfall structure - 30" diameter storm drain (RCP Type III)	765	LF	\$ 100.00	\$ 76,500.00
xxx.xxx	John Street Pond Outfall structure - 30" diameter storm drain trenching	765	LF	\$ 75.00	\$ 57,375.00
920.14	MH, 6' dia. Type C or E, 6-10' deep, CIP	4	EA	\$ 7,500.00	\$ 30,000.00
1005.310	John Street Pond Lining - 1" Gravel Mulch thick - 1V:2.5H side slopes	5400	SY	\$ 16.00	\$ 86,400.00
302.010	John Street Pond Driving Pad, 6" Base Course	1500	SY	\$ 11.00	\$ 16,500.00
1005.310	John Street Outside Berm Slope, 1" Gravel Mulch thick- 1V:3H side slopes	1400	SY	\$ 16.00	\$ 22,400.00
xxx.xxx	Outlet Structure for SD from Broadway, Thaxton and John St	1	EA	\$ 50,000.00	\$ 50,000.00
NMDOT 902	Materials Testing, Quality Assurance and Submittals Allowance	1	AL	\$ 35,000.00	\$ 35,000.00
NMDOT 801	Construction Staking, Complete	1	LS	\$ 65,000.00	\$ 65,000.00
NMDOT 603	Temporary Pollution Control: NPDES and SWPPP Preparation and Maintenance, Complete	1	LS	\$ 10,000.00	\$ 10,000.00
NMDOT 663	Utility Relocation Allowance	1	Al	\$ 50,000.00	\$ 50,000.00
Phase 1 Construction Subtotal:				\$	2,007,082.88
COA 6.05 & 6.06	Mobilization & Demobilization: Comply., Not to exceed 5% of the sub-total	5.00%	LS	\$100,354.14	\$ 100,354.14
Phase 1 Construction Subtotal With Mobilization and Demobilization:				\$	2,107,437.03
35% Contingency				\$	737,602.96
Pre Construction Costs: Design, Survey, Geotechnical & SUE = 10% of Construction Costs				\$	210,743.70
NMGRT - City of Albuquerque @ 7.875%				\$	165,960.67
Phase 1 Total				\$	3,221,744.35
Phase 2					
xxx.xxx	Outlet Structure for SD from Williams, Thaxton & Barelas Ditch	1	EA	\$ 50,000.00	\$ 50,000.00
336.03	Asphalt Concrete, 3-1/2" thick, superpave w/ 12" subgrade- Williams St and Thaxton Ave	3487	SY	\$ 35.00	\$ 122,037.22
343.03	Existing asphalt up to 4" thick, sawcut, remove and dispose, Comp. in Broadway Blvd, Thaxton Ave and John Street	3487	SY	\$ 15.00	\$ 52,301.67
910.03	72" Storm Drain RCP Type III with connection, trenching, backfill, CIP from Williams St to Thaxton to Barelas Ditch into John Street Pond	1119	LF	\$ 400.00	\$ 447,600.00
xxx.xxx	Pump Station, electrical, building, controls, force main, and site grading, complete	1	LS	\$ 500,000.00	\$ 500,000.00
xxx.xxx	72" Storm Drain Trenching > 16ft deep, CIP	1119	LF	\$ 300.00	\$ 335,700.00
xxx.xxx	72" Storm Drain Diversion Junction Box in Williams & Thaxton (9' deep) Junction box to cone shape structure	1	EA	\$ 20,000.00	\$ 20,000.00
xxx.xxx	72" Storm Drain Diversion Junction Box in Thaxton & Hinkle (11' deep) Junction box to cone shape structure	1	EA	\$ 25,000.00	\$ 25,000.00
xxx.xxx	72" Storm Drain Diversion Junction Box in Thaxton & Barelas Ditch (18' deep) Junction box to cone shape structure	1	EA	\$ 40,000.00	\$ 40,000.00
Phase 2 Construction Subtotal:				\$	1,592,638.89
COA 6.05 & 6.06	Mobilization & Demobilization: Comply., Not to exceed 5% of the sub-total	5.00%	LS	\$ 79,631.94	\$ 79,631.94
Phase 2 Construction Subtotal With Mobilization and Demobilization:				\$	1,672,270.83
35% Contingency				\$	585,294.79
Pre Construction Costs: Design, Survey, Geotechnical & SUE = 10% of Construction Costs				\$	167,227.08
NMGRT - City of Albuquerque @ 7.875%				\$	131,691.33
Phase 2 Total				\$	2,556,484.04
Phase 3					
APWA 201	Site Clear and Grub-Kathryn Pond	2	AC	\$ 2,291.00	\$ 5,075.33
APWA 201	Site Clear and Grub-South Broadway Pond	3	AC	\$ 2,291.00	\$ 7,694.52
APWA 204	Export Material- South Broadway Pond Modifications	13000	CY	\$ 17.00	\$ 221,000.00
APWA 204	Export Material-Kathryn Pond Modifications	4100	CY	\$ 17.00	\$ 69,700.00
336.025	Asphalt Concrete, 3-1/2" thick, superpave w/ 12" subgrade- Broadway and Santa Fe, Broadway and Kathryn, and Williams and Kathryn - Modifications to junctions	3223	SY	\$ 35.00	\$ 112,801.11
343.03	Existing asphalt up to 4" thick, sawcut, remove and dispose, Comp. in Broadway and Santa Fe, Broadway and Kathryn, and Williams and Kathryn - Modifications to junctions	3223	SY	\$ 15.00	\$ 48,343.33
605.010	South Broadway Pond Lining - Shotcrete 6" thick - 1V:1.5H side slopes	2758	SY	\$ 110.00	\$ 303,380.00
605.010	Kathryn Pond Lining - Shotcrete 6" thick - 1V:1.5H side slopes	924	SY	\$ 110.00	\$ 101,640.00
336.025	Asphalt Concrete, 3-1/2" thick, superpave w/ 12" subgrade- Broadway Blvd & Wheeler Ave (before Mechem Pond)	2900	SY	\$ 35.00	\$ 101,503.89
343.030	Existing asphalt up to 4" thick, sawcut, remove and dispose, Comp. in Broadway Blvd & Wheeler Ave (before Mechem Pond)	2900	SY	\$ 15.00	\$ 43,501.67
910.029	72" Storm Drain RCP Type III with connection, trenching, backfill, CIP from Broadway Blvd & Wheeler Ave (before Mechem Pond)	320	LF	\$ 540.00	\$ 172,800.00
xxx.xxx	72" Storm Drain Trenching > 20ft deep, CIP	320	LF	\$ 400.00	\$ 128,000.00
xxx.xxx	Junction box modifications Broadway Blvd & Kathryn Ave	1	EA	\$ 35,000.00	\$ 35,000.00
xxx.xxx	Junction box modifications Broadway Blvd & Wheeler Ave (before Mechem Pond)	1	EA	\$ 35,000.00	\$ 35,000.00
xxx.xxx	Junction box modifications Williams St & Kathryn Ave	1	EA	\$ 15,000.00	\$ 15,000.00
NMDOT 902	Materials Testing, Quality Assurance and Submittals Allowance	1	Al	\$ 35,000.00	\$ 35,000.00
NMDOT 801	Construction Staking, Complete	1	LS	\$ 65,000.00	\$ 65,000.00
NMDOT 603	Temporary Pollution Control: NPDES and SWPPP Preparation and Maintenance, Complete	1	LS	\$ 10,000.00	\$ 10,000.00
NMDOT 663	Utility Relocation Allowance	1	Al	\$ 50,000.00	\$ 50,000.00
Phase 3 Construction Subtotal:				\$	1,560,439.85
COA 6.05 & 6.06	Mobilization & Demobilization: Comply., Not to exceed 5% of the sub-total	5.00%	LS	\$ 78,021.99	\$ 78,021.99
Phase 3 Subtotal W/ Mob & Demob:				\$	1,638,461.85
35% Contingency				\$	573,461.65
Pre Construction Costs: Design, Survey, Geotechnical & SUE = 10% of Construction Costs				\$	163,846.18
NMGRT - City of Albuquerque @ 7.875%				\$	129,028.87
Phase 3 Total				\$	2,504,798.55
Phase 4					
910.023	54" Storm Drain in Commercial (Outlet from South Broadway Pond)	2000	LF	\$ 345.00	\$ 690,000.00
xxx.xxx	54" Storm Drain Trenching >14 feet deep, CIP	2000	LF	\$ 175.00	\$ 350,000.00
920.220	MH, 8' dia. Type C or E, 10-14' deep, CIP	6	EA	\$ 16,200.00	\$ 89,100.00
336.025	Asphalt Concrete, 3-1/2" thick, superpave w/ 12" subgrade- in Commercial	16859	SY	\$ 35.00	\$ 590,080.56
343.030	Existing asphalt up to 4" thick, sawcut, remove and dispose, Comp. in Commercial	16859	SY	\$ 15.00	\$ 252,891.67
xxx.xxx	Junction box modifications Broadway Blvd & Santa Fe	1	EA	\$ 35,000.00	\$ 35,000.00
NMDOT 902	Materials Testing, Quality Assurance and Submittals Allowance	1	Al	\$ 35,000.00	\$ 35,000.00
NMDOT 801	Construction Staking, Complete	1	LS	\$ 65,000.00	\$ 65,000.00
NMDOT 603	Temporary Pollution Control: NPDES and SWPPP Preparation and Maintenance, Complete	1	LS	\$ 10,000.00	\$ 10,000.00
NMDOT 663	Utility Relocation Allowance	1	Al	\$ 50,000.00	\$ 50,000.00
Phase 4 Construction Subtotal:				\$	2,167,072.22
COA 6.05 & 6.06	Mobilization & Demobilization: Comply., Not to exceed 5% of the sub-total	5.00%	LS	\$108,353.61	\$ 108,353.61
Phase 4 Subtotal W/ Mob & Demob:				\$	2,275,425.83
35% Contingency				\$	796,399.04
Pre Construction Costs: Design, Survey, Geotechnical & SUE = 10% of Construction Costs				\$	227,542.58
NMGRT - City of Albuquerque @ 7.875%				\$	179,189.78
Phase 4 Total				\$	3,478,557.24
All Phases Total:				\$	11,761,585.00

Assumptions:
2022 COA City Engineer's Estimated Unit Prices

Table 4.7 Engineers Opinion of Probable Cost - Option 4-Alternative 1 (Pond Top: 4955) South Broadway Drainage Master Plan					
Item No.		Quantity	Unit	Estimate Unit Price	Estimate Amount
Priority 1					
201.010	Site Clear and Grub-John Street Wet Well Pond	4	AC	\$ 2,291.00	\$ 8,385.66
204.010	Overall Earthwork: Engineered Fill for Embankments, Training Dikes and Roads. Includes: Placement, Water, Compaction and all Related Work, Cut to Fill Complete	2137	CY	\$ 5.00	\$ 10,685.00
205.010	Export Material-John Street Pond	18094	CY	\$ 17.00	\$ 307,598.00
xxx.xxx	Pump Station, electrical, building, controls, force main, and site grading, complete	1	LS	\$ 300,000.00	\$ 300,000.00
336.025	Asphalt Concrete, 3-1/2" thick, superpave w/ 12" subgrade- Williams St and Thaxton Ave	3487	SY	\$ 35.00	\$ 122,037.22
343.030	Existing asphalt up to 4" thick, sawcut, remove and dispose, Comp. in Broadway Blvd, Thaxton Ave and John Street	3487	SY	\$ 15.00	\$ 52,301.67
605.010	John Street Pond Lining - 6" Shotcrete - 1V:2H side slopes	2932	SY	\$ 110.00	\$ 322,520.00
910.029	72" Storm Drain RCP Type III with connection, trenching, backfill, CIP from Williams St to Thaxton to Barelas Ditch into John Street Pond	1119	LF	\$ 400.00	\$ 447,600.00
xxx.xxx	72" Storm Drain Trenching > 16ft deep, CIP	1119	LF	\$ 300.00	\$ 335,700.00
xxx.xxx	72" Storm Drain Diversion Junction Box in Williams & Thaxton (9' deep) Junction box to cone shape structure	1	EA	\$ 20,000.00	\$ 20,000.00
xxx.xxx	72" Storm Drain Diversion Junction Box in Thaxton & Hinkle (11' deep) Junction box to cone shape structure	1	EA	\$ 25,000.00	\$ 25,000.00
xxx.xxx	72" Storm Drain Diversion Junction Box in Thaxton & Barelas Ditch (18' deep) Junction box to cone shape structure	1	EA	\$ 40,000.00	\$ 40,000.00
NMDOT 663	Utility Relocation Allowance	1	AL	\$ 50,000.00	\$ 50,000.00
				Priority 1 Construction Subtotal:	\$ 2,041,827.55
COA 6.05 & 6.06	Mobilization & Demobilization: Comply., Not to exceed 5% of the sub-total	5.00%	LS	\$ 102,091.38	\$ 102,091.38
				Phase 2 Construction Subtotal With Mobilization and Demobilization:	\$ 2,143,918.93
				35% Contingency	\$ 750,371.62
				Pre Construction Costs: Design, Survey, Geotechnical & SUE = 10% of Construction Costs	\$ 214,391.89
				NMGRT - City of Albuquerque @ 7.875%	\$ 168,833.62
				Priority 1 Total	\$ 3,277,516.06
Priority 2					
APWA 201	Site Clear and Grub-Kathryn Pond	2	AC	\$ 2,291.00	\$ 5,075.33
APWA 204	Export Material-Kathryn Pond Modifications	4100	CY	\$ 17.00	\$ 69,700.00
336.025	Asphalt Concrete, 3-1/2" thick, superpave w/ 12" subgrade- Broadway and Santa Fe, Broadway and Kathryn, and Williams and Kathryn - Modifications to junctions	2149	SY	\$ 35.00	\$ 75,200.74
343.03	Existing asphalt up to 4" thick, sawcut, remove and dispose, Comp. in Broadway and Santa Fe, Broadway and Kathryn, and Williams and Kathryn - Modifications to junctions	2149	SY	\$ 15.00	\$ 32,228.89
605.010	Kathryn Pond Lining - Shotcrete 6" thick - 1V:1.5H side slopes	924	SY	\$ 110.00	\$ 101,640.00
343.030	Existing asphalt up to 4" thick, sawcut, remove and dispose, Comp. in Broadway Blvd & Wheeler Ave (before Mechem Pond)	2900	SY	\$ 15.00	\$ 43,501.67
xxx.xxx	Junction box modifications Broadway Blvd & Kathryn Ave	1	EA	\$ 35,000.00	\$ 35,000.00
xxx.xxx	Junction box modifications Williams St & Kathryn Ave	1	EA	\$ 15,000.00	\$ 15,000.00
NMDOT 902	Materials Testing, Quality Assurance and Submittals Allowance	1	AI	\$ 35,000.00	\$ 35,000.00
NMDOT 801	Construction Staking, Complete	1	LS	\$ 65,000.00	\$ 65,000.00
NMDOT 603	Temporary Pollution Control: NPDES and SWPPP Preparation and Maintenance, Complete	1	LS	\$ 10,000.00	\$ 10,000.00
NMDOT 663	Utility Relocation Allowance	1	AL	\$ 50,000.00	\$ 50,000.00
				Priority 2 Construction Subtotal:	\$ 537,346.63
COA 6.05 & 6.06	Mobilization & Demobilization: Comply., Not to exceed 5% of the sub-total	5.00%	LS	\$ 26,867.33	\$ 26,867.33
				Phase 3 Subtotal W/ Mob & Demob:	\$ 564,213.96
				35% Contingency	\$ 197,474.89
				Pre Construction Costs: Design, Survey, Geotechnical & SUE = 10% of Construction Costs	\$ 56,421.40
				NMGRT - City of Albuquerque @ 7.875%	\$ 44,431.85
				Priority 2 Total	\$ 862,542.09
Priority 3					
201.010	Site Clear and Grub-John Street Gravity Pond	4	AC	\$ 2,291.00	\$ 8,385.66
204.010	Overall Earthwork: Engineered Fill for Embankments, Training Dikes and Roads. Includes: Placement, Water, Compaction and all Related Work, Cut to Fill Complete	2137	CY	\$ 5.00	\$ 10,685.00
205.010	Export Material-John Street Pond (Part of Priority 1 so double accounting)	0	CY	\$ 17.00	\$ -
336.025	Asphalt Concrete, 3-1/2" thick, superpave w/ 12" subgrade- Broadway Blvd, Thaxton Ave and John Street	5444	SY	\$ 35.00	\$ 190,555.56
343.030	Existing asphalt up to 4" thick, sawcut, remove and dispose, Comp. in Broadway Blvd, Thaxton Ave and John Street	5444	SY	\$ 15.00	\$ 81,666.67
910.027	66" Storm Drain RCP Type III with connection, trenching, backfill, CIP from Broadway to Thaxton Rd into John Street Pond	978	LF	\$ 400.00	\$ 391,200.00
xxx.xxx	Outlet Structure for SD from Williams, Thaxton & Barelas Ditch	1	EA	\$ 50,000.00	\$ 50,000.00
xxx.xxx	66" Storm Drain Trenching > 16ft deep, CIP	978	LF	\$ 300.00	\$ 293,400.00
xxx.xxx	66" Storm Drain Diversion Junction Box in Broadway, Thaxton and John Street (10' deep) Junction box to cone shape structure	1	EA	\$ 20,000.00	\$ 20,000.00
xxx.xxx	66" Storm Drain Diversion Junction Box in Broadway, Thaxton and John Street (12' deep) Junction box to cone shape structure	1	EA	\$ 25,000.00	\$ 25,000.00
xxx.xxx	66" Storm Drain Diversion Junction Box in Broadway, Thaxton and John Street (17' deep) Junction box to cone shape structure	1	EA	\$ 35,000.00	\$ 35,000.00
302.010	John Street Pond Driving Pad, 6" Base Course	764	SY	\$ 11.00	\$ 8,404.00
1005.310	John Street Pond Lining - 1" Gravel Mulch thick - 1V:3H side slopes	5700	SY	\$ 16.00	\$ 91,200.00
xxx.xxx	Outlet Structure for SD from Broadway, Thaxton and John St. Secondary outlet structure at pump station	2	EA	\$ 100,000.00	\$ 200,000.00
920.57	Existing Manhole (Barelas Ditch), remove and dispose, all depths, 4' to 6' dia., CIP.	4	EA	\$ 1,500.00	\$ 6,000.00
910.104	Remove and dispose of 24" storm drain in John Street (ABQ 2000 Utility Map)	584	LF	\$ 25.00	\$ 14,600.00
910.013	John Street Pond Outfall structure - 30" diameter storm drain (RCP Type III)	765	LF	\$ 100.00	\$ 76,500.00
xxx.xxx	John Street Pond Outfall structure - 30" diameter storm drain trenching	765	LF	\$ 75.00	\$ 57,375.00
920.14	MH, 6' dia. Type C or E, 6-10' deep, CIP	5	EA	\$ 7,500.00	\$ 37,500.00
NMDOT 902	Materials Testing, Quality Assurance and Submittals Allowance	1	AL	\$ 35,000.00	\$ 35,000.00
NMDOT 801	Construction Staking, Complete	1	LS	\$ 65,000.00	\$ 65,000.00
NMDOT 603	Temporary Pollution Control: NPDES and SWPPP Preparation and Maintenance, Complete	1	LS	\$ 10,000.00	\$ 10,000.00
NMDOT 663	Utility Relocation Allowance	1	AL	\$ 50,000.00	\$ 50,000.00
				Priority 3 Construction Subtotal:	\$ 1,757,471.88
COA 6.05 & 6.06	Mobilization & Demobilization: Comply., Not to exceed 5% of the sub-total	5.00%	LS	\$ 87,873.59	\$ 87,873.59
				Phase 1 Construction Subtotal With Mobilization and Demobilization:	\$ 1,845,345.48
				35% Contingency	\$ 645,870.92
				Pre Construction Costs: Design, Survey, Geotechnical & SUE = 10% of Construction Costs	\$ 184,534.55
				NMGRT - City of Albuquerque @ 7.875%	\$ 145,320.96
				Priority 3 Total	\$ 2,821,071.90
Priority 4					
910.023	54" Storm Drain in Commercial (Outlet from South Broadway Pond)	2000	LF	\$ 345.00	\$ 690,000.00
xxx.xxx	54" Storm Drain Trenching >14 feet deep, CIP	2000	LF	\$ 175.00	\$ 350,000.00
920.220	MH, 8' dia. Type C or E, 10-14' deep, CIP	6	EA	\$ 16,200.00	\$ 89,100.00
336.025	Asphalt Concrete, 3-1/2" thick, superpave w/ 12" subgrade- in Commercial	16859	SY	\$ 35.00	\$ 590,080.56
343.030	Existing asphalt up to 4" thick, sawcut, remove and dispose, Comp. in Commercial	16859	SY	\$ 15.00	\$ 252,891.67
NMDOT 902	Materials Testing, Quality Assurance and Submittals Allowance	1	AI	\$ 35,000.00	\$ 35,000.00
NMDOT 801	Construction Staking, Complete	1	LS	\$ 65,000.00	\$ 65,000.00
NMDOT 603	Temporary Pollution Control: NPDES and SWPPP Preparation and Maintenance, Complete	1	LS	\$ 10,000.00	\$ 10,000.00
NMDOT 663	Utility Relocation Allowance	1	AL	\$ 50,000.00	\$ 50,000.00
				Priority 4 Construction Subtotal:	\$ 2,132,072.22
COA 6.05 & 6.06	Mobilization & Demobilization: Comply., Not to exceed 5% of the sub-total	5.00%	LS	\$106,603.61	\$ 106,603.61
				Phase 4 Subtotal W/ Mob & Demob:	\$ 2,238,675.83
				35% Contingency	\$ 783,536.54
				Pre Construction Costs: Design, Survey, Geotechnical & SUE = 10% of Construction Costs	\$ 223,667.58
				NMGRT - City of Albuquerque @ 7.875%	\$ 176,295.72
				Priority 4 Total	\$ 3,422,375.68
Priority 5					
APWA 201	Site Clear and Grub-South Broadway Pond	3	AC	\$ 2,291.00	\$ 7,694.52
APWA 204	Export Material- South Broadway Pond Modifications	13000	CY	\$ 17.00	\$ 221,000.00
336.025	Asphalt Concrete, 3-1/2" thick, superpave w/ 12" subgrade- Broadway and Santa Fe, Broadway and Kathryn, and Williams and Kathryn - Modifications to junctions	1074	SY	\$ 35.00	\$ 37,600.37
343.03	Existing asphalt up to 4" thick, sawcut, remove and dispose, Comp. in Broadway and Santa Fe, Broadway and Kathryn, and Williams and Kathryn - Modifications to junctions	1074	SY	\$ 15.00	\$ 16,114.44
336.025	Asphalt Concrete, 3-1/2" thick, superpave w/ 12" subgrade- Broadway Blvd & Wheeler Ave (before Mechem Pond)	2900	SY	\$ 35.00	\$ 101,503.89
343.030	Existing asphalt up to 4" thick, sawcut, remove and dispose, Comp. in Broadway Blvd & Wheeler Ave (before Mechem Pond)	2900	SY	\$ 15.00	\$ 43,501.67
910.029	72" Storm Drain RCP Type III with connection, trenching, backfill, CIP from Broadway Blvd & Wheeler Ave (before Mechem Pond)	320	LF	\$ 540.00	\$ 172,800.00
xxx.xxx	72" Storm Drain Trenching > 20ft deep, CIP	320	LF	\$ 400.00	\$ 128,000.00
xxx.xxx	Junction box modifications Broadway Blvd & Santa Fe	1	EA	\$ 35,000.00	\$ 35,000.00
605.010	South Broadway Pond Lining - Shotcrete 6" thick - 1V:1.5H side slopes	2758	SY	\$ 110.00	\$ 303,380.00
NMDOT 902	Materials Testing, Quality Assurance and Submittals Allowance	1	AI	\$ 35,000.00	\$ 35,000.00
NMDOT 801	Construction Staking, Complete	1	LS	\$ 65,000.00	\$ 65,000.00
NMDOT 603	Temporary Pollution Control: NPDES and SWPPP Preparation and Maintenance, Complete	1	LS	\$ 10,000.00	\$ 10,000.00
NMDOT 663	Utility Relocation Allowance	1	AL	\$ 50,000.00	\$ 50,000.00
				Priority 5 Construction Subtotal:	\$ 1,226,594.89
COA 6.05 & 6.06	Mobilization & Demobilization: Comply., Not to exceed 5% of the sub-total	5.00%	LS	\$ 61,329.74	\$ 61,329.74
				Phase 3 Subtotal W/ Mob & Demob:	\$ 1,287,924.64
				35% Contingency	\$ 450,773.62
				Pre Construction Costs: Design, Survey, Geotechnical & SUE = 10% of Construction Costs	\$ 128,792.46
				NMGRT - City of Albuquerque @ 7.875%	\$ 101,424.07
				Priority 5 Total	\$ 1,968,914.79
				All Phases Total:	\$ 12,352,421.00

Assumptions:
2022 COA City Engineer's Estimated Unit Prices