

Joseph Sabatini

From: Mark Alpaugh <mjaconst@optonline.net>
Sent: Monday, September 27, 2021 12:22 PM
To: Joseph Sabatini; 'Wassim Nader'
Cc: Phil Crosson
Subject: Revised Cost estimate
Attachments: Byram Twp Muni Bldg schematic est with sitework Revised 2 -9-17-21.xlsx

The attached cost estimate was completed to compare the cost differences between the previous plan of selective demolition of the municipal building to a revised layout using complete above ground demolition of the municipal building.

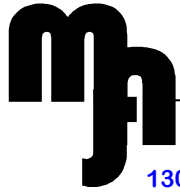
The cost of the project for this study shows a small cost benefit to the new layout with complete demolition of the building. (5/26/21 estimate = \$5,535,830 vs. 9/17/21 estimate = \$5,520,006). This is a comparison of the costs as estimated

in May of 2021. There may be other cost and schedule benefits if the design is developed further as construction duration should be shorter with this revised approach. It should be noted that the economy and inflation are very volatile

at the moment and total costs when this project is actually bid will need to be adjusted.

Please don't hesitate to contact me if there are any questions.

Mark Alpaugh
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BYRAM TOWNSHIP NEW MUNICIPAL BUILDING

9/17/2021

10 Mansfield Drive

Byram Township, New Jersey 07874

SCHEMATIC / DESIGN DEVELOPMENT ESTIMATE SUMMARY - WITH SITEWORK (Municipal Building Full Demolition Option)

Building Areas 14,578 sf

Construction Costs

Division	Discipline		Cost	Cost/sf
1	General Conditions	(See below)		\$ -
2	Demolition		\$ 62,838	\$ 4.31
3	Concrete		\$ 236,282	\$ 16.21
4	Masonry		\$ 390,252	\$ 26.77
5	Metals		\$ 177,950	\$ 12.21
6	Wood & Plastics		\$ 310,285	\$ 21.28
7	Thermal & Moisture Protection		\$ 210,725	\$ 14.45
8	Openings		\$ 282,970	\$ 19.41
9	Finishes		\$ 577,399	\$ 39.61
10	Specialties		\$ 51,729	\$ 3.55
11	Equipment		\$ 32,709	\$ 2.24
12	Furnishings		\$ -	\$ -
13	Special Construction		\$ -	\$ -
14	Conveying Systems		\$ -	\$ -
21	Fire Suppression		\$ -	\$ -
22	Plumbing		\$ 104,125	\$ 7.14
23	HVAC		\$ 321,518	\$ 22.05
25	Integrated Automation		\$ -	\$ -
26	Electrical		\$ 228,291	\$ 15.66
27	Communications		\$ 9,450	\$ 0.65
28	Electronic Safety & Security		\$ 29,623	\$ 2.03
31	Earthwork		\$ 48,438	\$ 3.32
32	Exterior Improvements		\$ 462,270	\$ 31.71
33	Utilities		\$ 67,500	\$ 4.63

Construction Detail Total \$ 3,604,350 \$ 247.25

General Conditions (see Division 1 details)		\$ 232,536	
Design Contingency		\$ 125,000	
Contractor Overhead & Profit	10%	\$ 360,435	
Contractor Bonds & Insurance	2%	\$ 72,087	
Escalation to mid point 4/2022	3.75%	\$ 135,163	
Construction Contingency	10%	\$ 360,435	

TOTAL CONSTRUCTION COST \$ 4,890,006 \$ 335.44

Soft Costs

A & E Design Fees		\$190,000	
FF&E (allowance from original design budget)		\$250,000	
Environmental / Testing / Misc.		\$70,000	
Environmental, Permits, Insurance		\$50,000	
Legal & Other Misc.		\$70,000	

GRAND TOTAL ESTIMATED PROJECT COST \$ 5,520,006 \$ 378.65

This estimate is based on Schematic / D.D. floor plans prepared by NADER ASA Architects
This estimate also includes costs for site improvements as shown on plans dated 5/14/21

The following are not shown or included in this estimate:

- > Security systems, CCTV, and ADA / door access controls
- > Court room specialties, recording system, PA system, bullet proofing, etc.
- > Temporary offices / trailers

Escalation costs are very volatile at this time and may increase the overall cost depending on the economy.

Current material & labor escalation as well as market conditions are running in excess of 12%.

The above estimate is for the comparison of full demolition of the existing building (new option) vs. selective

BRYAM TOWNSHIP
NEW MUNICIPAL BUILDING (Full Demolition Option)
SCHEMATIC / DESIGN DEVELOPMENT ESTIMATE BACKUP

9/17/2021
 Revised

Building Areas	Police Building First Floor	4115	sf
	Police Building Attic	1286	sf
	Municipal Building New First Floor	4158	sf
	Municipal Building New Attic	1528	sf
	Municipal Building Existing Renovated First Floor	3491	sf
	Total	14578	sf

DIVISION 01 - GENERAL CONDITIONS

Description	Quantity	Unit	Unit Cost	Total
Eng. / Surveying / Layout	8	mwks	\$ 2,000.00	\$ 16,000
Clean-up and misc. daily labor cost	12	mo	\$ 3,500.00	\$ 42,000
Dumpster	12	mo	\$ 2,000.00	\$ 24,000
Site Supervision / Project Administration	12	mo	\$ 9,500.00	\$ 114,000
Temp. facilities / trailers	12	mo	\$ 750.00	\$ 9,000
Temp. fencing / site protection / security	1	allow	\$ 4,000.00	\$ 4,000
Temporary protection	14578	sf	\$ 0.85	\$ 12,391
Testing & inspections	6	mo	\$ 750.00	\$ 4,500
Other misc. requirements	12	mo	\$ 250.00	\$ 3,000
Final Cleaning	14578	sf	\$ 0.25	\$ 3,645
TOTAL GENERAL CONDITIONS	\$ 15.95	\$/sf		\$ 232,536

DIVISION 02 - DEMOLITION

Description	Quantity	Unit	Unit Cost	Total
Demo existing building including foundations	3491	sf	\$ 18.00	\$ 62,838
Demo interior and roof of existing building	0	sf	\$ 10.00	\$ -
TOTAL DEMOLITION	\$ 4.31	\$/sf		\$ 62,838

DIVISION 03 - CONCRETE

Description	Quantity	Unit	Unit Cost	Total
Footings 4' 0" x 1' -6" Exterior wall 276'	62	cy	\$ 550.00	\$ 34,100
Footings 3' 0" x 1' -6" Interior CMU wall 25'	5	cy	\$ 550.00	\$ 2,475
Column footings type F1 6' x 6' x 1'6"	2	cy	\$ 550.00	\$ 1,100
Canopy column footings FP1 4' x 4' x 1'	1	cy	\$ 550.00	\$ 660
Poured concrete foundation walls & piers	38	cy	\$ 550.00	\$ 20,625
Under slab drainage	0			\$ -
Slab on grade 5"	4308	sf	\$ 6.75	\$ 29,079
Slab on grade air/water barrier	4308	sf	\$ 1.25	\$ 5,385
Slab on grade insulation	0	sf		\$ -
Footings 4' 0" x 1' -6" Exterior wall 256'	57	cy	\$ 550.00	\$ 31,350
Column footings type F1 6' x 6' x 1'6"	10	cy	\$ 550.00	\$ 5,500
Canopy column footings FP1 4' x 4' x 1'	2	cy	\$ 550.00	\$ 1,100
Poured concrete foundation walls & piers	42	cy	\$ 550.00	\$ 23,100
Under slab drainage	0			\$ -
Slab on grade 5"	4215	sf	\$ 6.75	\$ 28,451
Slab on grade air/water barrier	4215	sf	\$ 1.25	\$ 5,269
Slab on grade insulation	0	sf		\$ -
Gypcrete on attic floor for fire rating	7694	sf	\$ 6.25	\$ 48,088
TOTAL CONCRETE	\$ 16.21	\$/sf		\$ 236,282

MJA CONSTRUCTION SERVICES

DIVISION 04 - MASONRY

		156			
Description		Quantity	Unit	Unit Cost	Total
Exterior wall foundation wall 12" CMU 16" tall solid fill	Police	368	sf	\$ 35.00	\$ 12,880
Exterior wall split faced 8" CMU 3'-4" tall solid fill	Police	920	sf	\$ 37.50	\$ 34,500
Exterior wall smooth faced 8" CMU solid fill	Police	3260	sf	\$ 38.00	\$ 123,880
Interior wall 6" CMU solid fill	Police	2226	sf	\$ 35.00	\$ 77,910
Exterior wall foundation wall 12" CMU 16" tall solid fill	Municipal	56	sf	\$ 35.00	\$ 1,960
Exterior wall 8" CMU solid fill	Municipal	1872	sf	\$ 36.00	\$ 67,392
Cultured stone 3'-4" high	Municipal	1495	sf	\$ 30.00	\$ 44,850
Cultured stone cap	Municipal	448	lf	\$ 60.00	\$ 26,880
New brick to match existing	Municipal	0	sf	\$ 34.00	\$ -
Clean & repaint brick	Municipal	0	sf	\$ 10.00	\$ -
Interior partition 8" CMU & infill	Municipal	0	sf	\$ 28.00	\$ -
TOTAL MASONRY		\$ 26.77	\$/sf		\$ 390,252

DIVISION 05 - METALS

Description		Quantity	Unit	Unit Cost	Total
Structural steel & structural metal framing	Police	4	tons	\$ 4,500.00	\$ 17,100
Metal pan stairs & railings to attic	Police	1	flight	\$ 30,000.00	\$ 30,000
Attic railings	Police	174	lf	\$ 150.00	\$ 26,100
Misc. lintels & masonry angles	Police	1.5	tons	\$ 4,000.00	\$ 6,000
Structural steel & structural metal framing	Municipal	8.0	tons	\$ 4,500.00	\$ 36,000
Metal pan stairs & railings to attic	Municipal	1.0	flight	\$ 30,000.00	\$ 30,000
Attic railings	Municipal	175	lf	\$ 150.00	\$ 26,250
Misc. lintels & masonry angles	Municipal	1.0	tons	\$ 4,500.00	\$ 4,500
Misc bolts, fasteners, masonry clips, connections, etc.		1	allow	\$ 2,000.00	\$ 2,000
TOTAL METALS		\$ 12.21	\$/sf		\$ 177,950

DIVISION 06 - WOOD & PLASTICS

Description		Quantity	Unit	Unit Cost	Total
Wood truss roof	Police	5315	sf	\$ 8.65	\$ 45,975
Plywood roof sheathing	Police	6246	sf	\$ 5.75	\$ 35,915
Plywood attic floor	Police	1286	sf	\$ 5.75	\$ 7,395
Plywood fascia & soffits	Police	1044	sf	\$ 8.00	\$ 8,352
Decorative brackets	Police	24	ea	\$ 200.00	\$ 4,800
PVC trim column wrap 9' tall	Police	2	ea	\$ 450.00	\$ 900
Evidence pass window counter top 3'	Police	3	lf	\$ 250.00	\$ 750
Break room base cabinet solid surface	Police	9	lf	\$ 350.00	\$ 3,150
Break room upper cabinet	Police	12	lf	\$ 200.00	\$ 2,400
Wood truss roof	Municipal	7694	sf	\$ 8.65	\$ 66,553
Plywood roof sheathing	Municipal	9233	sf	\$ 5.75	\$ 53,089
Plywood attic floor	Municipal	1528	sf	\$ 5.75	\$ 8,786
Plywood fascia & soffits	Municipal	2109	sf	\$ 8.00	\$ 16,872
Decorative brackets	Municipal	40	ea	\$ 200.00	\$ 8,000
PVC trim column wrap 9' tall	Municipal	3	ea	\$ 450.00	\$ 1,350
Break room base cabinet solid surface	Municipal	17	lf	\$ 350.00	\$ 5,950
Break room upper cabinet	Municipal	14	lf	\$ 200.00	\$ 2,800
Reception counter top 2' -6" wide solid surface	Municipal	37	lf	\$ 350.00	\$ 12,950
Courtroom bench / Dias 3 ft wide wood trim	Municipal	28	lf	\$ 600.00	\$ 16,800
Wood blocking		1	allow	\$ 7,500.00	\$ 7,500
TOTAL WOOD & PLASTICS		\$ 21.28	\$/sf		\$ 310,285

MJA CONSTRUCTION SERVICES

DIVISION 07 - THERMAL & MOISTURE PROTECTION

Description		Quantity	Unit	Unit Cost	Total
Asphalt Shingle roofing system / R30 insulation	Police	9233	sf	\$ 10.00	\$ 92,328
Gutters & Leaders	Police	190	lf	\$ 15.00	\$ 2,850
Edging, flashing etc. pitched	Police	190	lf	\$ 15.00	\$ 2,850
Canopy soffit AL	Police	170	sf	\$ 10.00	\$ 1,700
Exterior wall insulation R11.5 Foam	Police	4180	sf	\$ 1.35	\$ 5,643
Partition wall batt insulation	Police	3312	sf	\$ 1.35	\$ 4,471
Caulking & sealing	Police	1	allow	\$ 3,000.00	\$ 3,000
Asphalt Shingle roofing system / R30 insulation	Municipal	5315	sf	\$ 10.00	\$ 53,150
Gutters & Leaders	Municipal	268	lf	\$ 15.00	\$ 4,020
Edging, flashing etc. pitched	Municipal	268	lf	\$ 15.00	\$ 4,020
Canopy soffit AL	Municipal	280	sf	\$ 10.00	\$ 2,800
Exterior wall insulation R15	Municipal	2484	sf	\$ 1.35	\$ 3,353
Partition wall batt insulation	Municipal	2894	sf	\$ 1.35	\$ 3,907
Hardi board / plank siding	Municipal	2954	sf	\$ 8.00	\$ 23,632
Caulking & sealing	Municipal	1	allow	\$ 3,000.00	\$ 3,000
TOTAL THERMAL & MOISTURE		\$ 14.45	\$/sf		\$ 210,725

DIVISION 08 - OPENINGS

Description		Quantity	Unit	Unit Cost	Total
Exterior door 3' 0" x 6' 8" AL / GL w/ glazed surrounds	Police	114	sf	\$ 85.00	\$ 9,690
Vestibule door 3' 0" x 6' 8" AL / GL	Police	1	ea	\$ 2,750.00	\$ 2,750
Interior door 3' 0" x 6' 8" HM (type 3, 4, & 6)	Police	20	ea	\$ 1,600.00	\$ 32,000
Interior door 3' 0" x 6' 8" HM (type 4 bullet proof glass)	Police	2	ea	\$ 3,000.00	\$ 6,000
Interior door (2) 2' 6" x 6' 8"	Police	1	pr	\$ 3,500.00	\$ 3,500
Exterior door 2-3' 0" x 6' 8" AL / GL w/ glazed surrounds	Municipal	90	sf	\$ 85.00	\$ 7,650
Exterior door 3' 0" x 6' 8" AL / GL w/ glazed clearstory	Municipal	0	sf	\$ 85.00	\$ -
Vestibule door 2- 3' 0" x 6' 8" HM	Municipal	2	pr	\$ 3,250.00	\$ 6,500
Interior door 3' 0" x 6' 8" office	Municipal	17	ea	\$ 1,200.00	\$ 20,400
Interior door 2- 3' 0" x 6' 8" office / closet	Municipal	5	pr	\$ 2,200.00	\$ 11,000
Subtotal Doors		\$ 6.82	\$/sf	\$ 99,490	
Exterior window - type A	Police	1	ea	\$ 10,560.00	\$ 10,560
Exterior window - type B	Police	1	ea	\$ 1,920.00	\$ 1,920
Exterior window - type C	Police	6	ea	\$ 1,200.00	\$ 7,200
Exterior window - type D	Police	1	ea	\$ 2,560.00	\$ 2,560
Interior window /slide - type E bullet proof	Police	1	ea	\$ 2,500.00	\$ 2,500
Exterior window - type A	Municipal	7	ea	\$ 1,700.00	\$ 11,900
Exterior window - type B &C	Municipal	11	ea	\$ 2,050.00	\$ 22,550
Exterior window - type D	Municipal	2	ea	\$ 4,100.00	\$ 8,200
Exterior window - type E	Municipal	1	ea	\$ 8,200.00	\$ 8,200
Exterior window gable end -attic	Municipal	2	ea	\$ 4,000.00	\$ 8,000
Door glazing (allow)	Municipal	10	sf	\$ 40.00	\$ 400
Subtotal Windows		\$ 12.59	\$/sf	\$ 183,480	
TOTAL OPENINGS		\$ 19.41	\$/sf		\$ 282,970

MJA CONSTRUCTION SERVICES

DIVISION 09 - FINISHES

Description		Quantity	Unit	Unit Cost	Total
Exterior wall 2 1/2" Z- furring w/ 5/8" gyp	Police	4180	sf	\$ 9.25	\$ 38,665
Interior wall 2 1/2" Z- furring w/ 5/8" gyp	Police	1620	sf	\$ 9.25	\$ 14,985
Interior part 3 5/8" metal stud & 5/8" gyp -Bullet Resistant	Police	336	sf	\$ 16.00	\$ 5,376
Interior partition 3 5/8" metal stud & 5/8" gyp ins	Police	3,312	sf	\$ 10.00	\$ 33,120
Exterior wall 6" wood stud ins w/ 5/8" gyp	Municipal	2,484	sf	\$ 15.50	\$ 38,502
Interior partition 2x4 wood stud & 5/8" gyp	Municipal	9,000	sf	\$ 8.50	\$ 76,500
Interior partition 2x4 wood stud & 5/8" gyp rated	Municipal	1,000	sf	\$ 10.00	\$ 10,000
Interior partition 2x furring stud & 5/8" gyp ins	Municipal	3,264	sf	\$ 7.50	\$ 24,480
Subtotal Gypsum Partitions		\$ 16.57	\$/sf	\$ 241,628	
Ceramic tile floor & base	Police	509	sf	\$ 12.00	\$ 6,108
Ceramic tile wall	Police	860	sf	\$ 11.00	\$ 9,460
Ceramic tile floor & base	Municipal	400	sf	\$ 12.00	\$ 4,800
Ceramic tile wall	Municipal	630	sf	\$ 11.00	\$ 6,930
Back splash kitchens	Municipal	\$ 12.00	sf	\$ 12	\$ 144
Subtotal Tile		\$ 1.88	\$/sf	\$ 27,442	
Gypsum ceiling	Police	1,009	sf	\$ 11.00	\$ 11,099
ACT ceiling	Police	3,191	sf	\$ 4.25	\$ 13,562
Gypsum 2 hour rated below truss	Police	4,115	sf	\$ 12.00	\$ 49,380
Gypsum ceiling	Municipal	460	sf	\$ 11.00	\$ 5,060
ACT ceiling 2x2	Municipal	2,187	sf	\$ 4.50	\$ 9,842
ACT ceiling 2x4	Municipal	5,002	sf	\$ 4.25	\$ 21,259
Gypsum 2 hour rated below truss	Municipal	7,649	sf	\$ 12.00	\$ 91,788
Subtotal Ceilings		\$ 13.86	\$/sf	\$ 201,989	
LVT & base	Police	3,691	sf	\$ 4.15	\$ 15,318
Carpet & base	Police	0	sf	\$ 4.25	\$ -
Painting, walls	Police	9,448	sf	\$ 1.35	\$ 12,755
Painting, gyp ceilings & soffits	Police	1,009	sf	\$ 1.65	\$ 1,665
Painting & staining doors	Police	22	ea	\$ 75.00	\$ 1,650
Painting , staining interior trim / millwork	Police	1	allow	\$ 5,000.00	\$ 5,000
VCT & base	Municipal	7,249	sf	\$ 3.75	\$ 27,184
Carpet & base	Municipal	0	sf	\$ 4.25	\$ -
Painting, walls	Municipal	25,748	sf	\$ 1.25	\$ 32,185
Painting, gyp ceilings & soffits	Municipal	460	sf	\$ 1.65	\$ 759
Painting & staining doors	Municipal	31	ea	\$ 75.00	\$ 2,325
Painting , staining interior trim / millwork	Municipal	1	allow	\$ 7,500.00	\$ 7,500
Subtotal Other Finishes		\$ 7.29	\$/sf	\$ 106,340	
TOTAL FINISHES		\$ 39.61	\$/sf		\$ 577,399

MJA CONSTRUCTION SERVICES

DIVISION 10 - SPECIALTIES

Description		Quantity	Unit	Unit Cost	Total
Entry mat vestibule	Police	0	sf	\$ 45.00	\$ -
Fire extinguisher cabinets recessed (allow)	Police	4	ea	\$ 325.00	\$ 1,300
Restroom toilet partitions phenolic	Police	2	ea	\$ 1,000.00	\$ 2,000
Restroom accessories	Police	1	allow	\$ 1,000.00	\$ 1,000
Bathroom / locker room accessories	Police	2	allow	\$ 2,500.00	\$ 5,000
Lockers men & women 24"	Police	11	ea	\$ 725.00	\$ 7,975
Evidence room lockers / pass through	Police	1	ea	\$ 1,250.00	\$ 1,250
Code signage	Police	4200	sf	\$ 0.25	\$ 1,050
Visual display - tack boards	Police	1	allow	\$ 3,500.00	\$ 3,500
Window treatment	Police	278	sf	\$ 10.00	\$ 2,780
Entry mat vestibule	Municipal	0	sf	\$ 45.00	\$ -
Fire extinguisher cabinets recessed (allow)	Municipal	8	ea	\$ 325.00	\$ 2,600
Restroom toilet partitions phenolic	Municipal	6	ea	\$ 1,000.00	\$ 6,000
Restroom accessories	Municipal	2	allow	\$ 1,500.00	\$ 3,000
Code signage	Municipal	7694	sf	\$ 0.25	\$ 1,924
Visual display - tack boards	Municipal	1	allow	\$ 5,000.00	\$ 5,000
Window treatment	Municipal	735	sf	\$ 10.00	\$ 7,350
TOTAL SPECIALTIES		\$ 3.55	\$/sf		\$ 51,729

DIVISION 11 - EQUIPMENT

Description		Quantity	Unit	Unit Cost	Total
A/V, IT & Security conduit & wiring - allowance	Police	4200	allow	\$ 2.75	\$ 11,550
A/V, IT & Security conduit & wiring - allowance	Municipal	7694	allow	\$ 2.75	\$ 21,159
TOTAL EQUIPMENT		\$ 2.24	\$/sf		\$ 32,709

DIVISION 12 - FURNISHINGS

Description		Quantity	Unit	Unit Cost	Total
FF&E By Owner				\$ -	\$ -
TOTAL FURNISHINGS		\$ -	\$/sf		\$ -

DIVISION 14 - CONVEYING SYSTEM

Description		Quantity	Unit	Unit Cost	Total
None				\$ -	\$ -
TOTAL CONVEYING SYSTEM		\$ -	\$/sf		\$ -

DIVISION 21 - FIRE SUPPRESSION

Description		Quantity	Unit	Unit Cost	Total
Fire sprinkler system - NONE			sf	\$ -	\$ -
TOTAL FIRE SUPPRESSION		\$ -	\$/sf		\$ -

MJA CONSTRUCTION SERVICES

DIVISION 22 - PLUMBING

Description		Quantity	Unit	Unit Cost	Total
Water closet - P-1	Police	3	ea	\$ 1,250.00	\$ 3,750
Urinal - P-2	Police	1	ea	\$ 1,275.00	\$ 1,275
Lavatory - P-3	Police	4	ea	\$ 1,100.00	\$ 4,400
Mop sink - P-7	Police	1	ea	\$ 1,500.00	\$ 1,500
Shower - P-6	Police	2	ea	\$ 3,200.00	\$ 6,400
Hose bibb (allow)	Police	2	ea	\$ 350.00	\$ 700
Domestic HW water heater	Police	1	ea	\$ 7,500.00	\$ 7,500
Domestic HW recirculation pump	Police	1	ea	\$ 250.00	\$ 250
Domestic HW expansion tank & accessories	Police	1	ea	\$ 1,500.00	\$ 1,500
2" - Floor Drain - P-4	Police	4	ea	\$ 650.00	\$ 2,600
HW & CW Piping	Police	350	lf	\$ 45.00	\$ 15,750
Sanitary & vent piping	Police	300	lf	\$ 40.00	\$ 12,000
Storm water piping - In site work	Police	0	allow	\$ -	\$ -
Water closet - P-1	Municipal	5	ea	\$ 1,250.00	\$ 6,250
Urinal - P-2	Municipal	1	ea	\$ 1,275.00	\$ 1,275
Lavatory - P-3	Municipal	6	ea	\$ 1,100.00	\$ 6,600
Kitchen sink - P5	Municipal	2	ea	\$ 1,250.00	\$ 2,500
Mop sink - P-7	Municipal	1	ea	\$ 1,500.00	\$ 1,500
Drinking fountain - P-6	Municipal	1	ea	\$ 3,200.00	\$ 3,200
Hose bibb (allow)	Municipal	2	ea	\$ 350.00	\$ 700
Tankless HW - under sink water heater	Municipal	5	ea	\$ 300.00	\$ 1,500
2" - Floor Drain - P-4	Municipal	2	ea	\$ 650.00	\$ 1,300
HW & CW Piping	Municipal	175	lf	\$ 45.00	\$ 7,875
Sanitary & vent piping	Municipal	220	lf	\$ 40.00	\$ 8,800
Well piping, control & expansion tank	Municipal	1	allow	\$ 5,000.00	\$ 5,000
Storm water piping - In site work	Municipal	0	allow	\$ -	\$ -
TOTAL PLUMBING		\$ 7.14	\$/sf		\$ 104,125

DIVISION 23 - HEATING, VENTILATING & AIR CONDITIONING

Description		Quantity	Unit	Unit Cost	Total
VRV condensing unit w/ controls	Police	22	ton	\$ 3,100.00	\$ 68,200
Ceiling mounted fan coil unit 1- 9	Police	10	ea	\$ 5,500.00	\$ 55,000
Refrigerant piping & insulation	Police	10	ea	\$ 1,000.00	\$ 10,000
EF exhaust fans 100 CFM	Police	3	ea	\$ 750.00	\$ 2,250
Ductwork	Police	250	lf	\$ 25.00	\$ 6,250
Grills registers & diffusers	Police	20	ea	\$ 120.00	\$ 2,400
Testing & balancing	Police	4200	sf	\$ 1.25	\$ 5,250
VRV condensing unit w/ controls	Municipal	30	ton	\$ 3,100.00	\$ 93,000
Ceiling mounted fan coil unit 1- 9	Municipal	9	ea	\$ 5,600.00	\$ 50,400
Refrigerant piping & insulation	Municipal	9	ea	\$ 1,000.00	\$ 9,000
EF exhaust fans 100 CFM	Municipal	3	ea	\$ 750.00	\$ 2,250
Ductwork	Municipal	220	lf	\$ 25.00	\$ 5,500
Grills registers & diffusers	Municipal	20	ea	\$ 120.00	\$ 2,400
Testing & balancing	Municipal	7694	sf	\$ 1.25	\$ 9,618
TOTAL HVAC		\$ 22.05	\$/sf		\$ 321,518

DIVISION 25 - INTEGRATED AUTOMATION

Description		Quantity	Unit	Unit Cost	Total
NONE		0	sf	\$ -	\$ -
TOTAL INTEGRATED AUTOMATION		\$ -	\$/sf		\$ -

MJA CONSTRUCTION SERVICES

DIVISION 26 - ELECTRICAL

Description		Quantity	Unit	Unit Cost	Total
Main service meter riser & pan	Police	1	ea	\$ 2,000.00	\$ 2,000
Main distribution panel 300 Amp	Police	1	ea	\$ 5,000.00	\$ 5,000
Emergency generator 80 KW	Police	1	ea	\$ 75,000.00	\$ 75,000
ATS	Police	1	ea	\$ 4,500.00	\$ 4,500
Electrical feeders conduit & wire	Police	4,200	sf	\$ 2.75	\$ 11,550
Distribution wiring	Police	4,200	sf	\$ 3.00	\$ 12,600
Motors, pumps & connections	Police	15	ea	\$ 750.00	\$ 11,250
Lighting fixtures 2x4 LED	Police	41	ea	\$ 150.00	\$ 6,150
Lighting fixtures 2x2 LED	Police	18	ea	\$ 165.00	\$ 2,970
Lighting fixtures 1x4 LED	Police	32	ea	\$ 175.00	\$ 5,600
LED high hats	Police	4	ea	\$ 125.00	\$ 500
Exit & emergency lights	Police	11	ea	\$ 175.00	\$ 1,925
Exterior lights	Police	3	ea	\$ 250.00	\$ 750
Outlets, switches , devices	Police	125	ea	\$ 3.00	\$ 375
Main service meter riser & pan	Municipal	1	ea	\$ 2,000.00	\$ 2,000
Main distribution panel 400 Amp	Municipal	1	ea	\$ 5,500.00	\$ 5,500
Electrical feeders conduit & wire	Municipal	7,694	sf	\$ 2.75	\$ 21,159
Distribution wiring	Municipal	7,694	sf	\$ 3.00	\$ 23,082
Motors, pumps & connections	Municipal	14	ea	\$ 750.00	\$ 10,500
Lighting fixtures 2x4 LED	Municipal	0	ea	\$ 150.00	\$ -
Lighting fixtures 2x2 LED	Municipal	49	ea	\$ 165.00	\$ 8,085
Lighting fixtures 1x4 LED	Municipal	63	ea	\$ 175.00	\$ 11,025
LED high hats	Municipal	22	ea	\$ 125.00	\$ 2,750
Exit & emergency lights	Municipal	12	ea	\$ 175.00	\$ 2,100
Exterior lights	Municipal	6	ea	\$ 250.00	\$ 1,500
Outlets, switches , devices	Municipal	140	ea	\$ 3.00	\$ 420
TOTAL ELECTRICAL		\$ 15.66	\$/sf		\$ 228,291

DIVISION 27 - COMMUNICATIONS

Description		Quantity	Unit	Unit Cost	Total
Tele/data outlets	Police	19	ea	\$ 175.00	\$ 3,325
Tele/data outlets	Municipal	35	ea	\$ 175.00	\$ 6,125
Courtroom PA & recording system	Not Shown	?	allow		\$ -
TOTAL COMMUNICATIONS		\$ 0.65	\$/sf		\$ 9,450

DIVISION 28 - ELECTRONIC SAFETY & SECURITY

Description		Quantity	Unit	Unit Cost	Total
Fire alarm system complete & tie in	Police	4200	sf	\$ 2.50	\$ 10,500
Camera system NONE		0	sf	\$ 5.00	\$ -
Fire alarm system complete & tie in	Municipal	7649	sf	\$ 2.50	\$ 19,123
Camera system NONE		0	sf	\$ 5.00	\$ -
Subtotal Fire Alarm System		\$ 2.03	\$/sf	\$ 29,623	
ES electric door strike	Not Shown	?	ea		\$ -
HC access push button panel	Not Shown	?	ea		\$ -
Door controls head end	Not Shown	?	allow		\$ -
Subtotal Security System		\$ -	\$/sf	\$ -	
TOTAL ELEC. SAFETY & SECURITY		\$ 2.03	\$/sf		\$ 29,623

MJA CONSTRUCTION SERVICES

DIVISION 31 - EARTHWORK

Description	Quantity	Unit	Unit Cost	Total
Silt fence	1175	lf	\$ 4.50	\$ 5,288
Stabilized construction entrance 24' x 50'	1	ea	\$ 4,500.00	\$ 4,500
Inlet protection	8	ea	\$ 250.00	\$ 2,000
Site clearing	0.5	acres	\$ 3,000.00	\$ 1,500
Strip and stockpile soil	600	cy	\$ 3.25	\$ 1,950
Grading	30000	sf	\$ 0.75	\$ 22,500
Foundation excavation & backfill	175	cy	\$ 20.00	\$ 3,500
Fine grade & topsoil for seeding	6000	sf	\$ 1.20	\$ 7,200
TOTAL EARTHWORK	\$ 3.32	\$/sf		\$ 48,438

DIVISION 32 - EXTERIOR IMPROVEMENTS

Description	Quantity	Unit	Unit Cost	Total
Remove paved area	21000	sf	\$ 1.75	\$ 36,750
Granite block curbs	1745	lf	\$ 23.00	\$ 40,135
Concrete sidewalks	7444	sf	\$ 7.50	\$ 55,830
6"stone DGA base parking & drive area	670	tons	\$ 25.00	\$ 16,750
Pavement milling area	520	tons	\$ 72.00	\$ 37,440
New paved area over DGA	445	tons	\$ 72.00	\$ 32,040
Striping parking space	97	ea	\$ 50.00	\$ 4,850
Striping ADA parking space	5	ea	\$ 75.00	\$ 375
Striping crosswalks 8 ft wide	80	lf	\$ 5.00	\$ 400
Other traffic control striping	1	allow	\$ 1,500.00	\$ 1,500
Traffic control & parking signage	10	ea	\$ 150.00	\$ 1,500
Access gates to DPW	2	ea	\$ 3,500.00	\$ 7,000
Landscaping preparation, seed, mulch & cleanup	1	allow	\$ 3,500.00	\$ 3,500
Weeping Cherry	4	ea	\$ 200.00	\$ 800
Flowering Dogwood	2	ea	\$ 400.00	\$ 800
Boxwood	21	ea	\$ 65.00	\$ 1,365
Mountain Boxwood	52	ea	\$ 65.00	\$ 3,380
Weeping Dwarf Japanese Maple	3	ea	\$ 300.00	\$ 900
Red Bud 5' tall	1	ea	\$ 300.00	\$ 300
Weeping Colorado Spruce 5" tall	3	ea	\$ 300.00	\$ 900
Transformer pad	2	ea	\$ 2,500.00	\$ 5,000
Generator pad & conduit	1	ea	\$ 5,500.00	\$ 5,500
Site lighting electrical 2" conduit & wire	1170	lf	\$ 50.00	\$ 58,500
Pole lights on concrete bases 20'	15	ea	\$ 3,500.00	\$ 52,500
B type inlets	8	ea	\$ 3,500.00	\$ 28,000
Manhole	1	ea	\$ 3,000.00	\$ 3,000
18" RCCP storm piping	762	lf	\$ 65.00	\$ 49,530
Headwalls with riprap outlets	2	ea	\$ 2,500.00	\$ 5,000
PVC U/G roof leader piping	1	allow	\$ 3,500.00	\$ 3,500
Security fencing 8' sally port w/ gate	95	lf	\$ 55.00	\$ 5,225
TOTAL EXTERIOR IMPROVEMENTS	\$ 31.71	\$/sf		\$ 462,270

DIVISION 33 - UTILITIES

Description	Quantity	Unit	Unit Cost	Total
Remove existing well & U/G water, cap	1	ea	\$ 2,000.00	\$ 2,000
New well & water service	1	ea	\$ 20,000.00	\$ 20,000
Connection to sanitary service at existing MH	1	ea	\$ 2,500.00	\$ 2,500
6 " SDR sanitary piping	170	lf	\$ 50.00	\$ 8,500
Connection to electrical service at pole	1	allow	\$ 2,000.00	\$ 2,000
U/G electrical conduit duct bank from pole 2-4" & 2-3"	250	lf	\$ 120.00	\$ 30,000
Connection to tele / data services	1	allow	\$ 2,500.00	\$ 2,500
TOTAL UTILITIES	\$ 4.63	\$/sf		\$ 67,500

DIVISION 01 - 33 TOTAL CONSTRUCTION			\$ 263.20	\$/sf	\$ 3,836,886
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