



OFFICE OF THE SUPERINTENDENT

MEMORANDUM

October 23, 2015

TO: Mark Jinks, City Manager

FROM: Alvin L. Crawley, Ed. D., Superintendent of Schools

SUBJECT: Matthew Maury Schoolyard Initiative (MSI) - Update

I'm writing to keep you apprised of the progress on the MSI project. Recently, the final round of city staff review comments were distributed to the civil engineers of record for the project and responses are currently being prepared for re-submission. This, along with the City's acceptance of the proposed revisions to the language found within the BMP Agreement should secure the release of the Grading Permit.

With regards to the budget, a base bid estimate was obtained indicating the anticipated cost of this project to be \$1,174,404.00 as shown in the MSI Estimate (Attachment 1). Total funding available at this time is \$946,228 by the sources shown on the MSI Available Funds document (Attachment 2) to include the City funding held in contingency. As a result, the MSI Committee has reduced the scope and established a prioritized listing of "Add Alternates" from which to choose should the proposals come in under budget for the "Base Bid". The project's Scope of Work is provided (Attachment 3) and will be bid upon the release of the requested City funds, approval of the grading permit, and receipt of funding from MSI.

At the moment, our project schedule is as follows:

- Mid November - Issue the Invitation to Bid, contingent on the completion of the requirements for bid issuance stated above.
- Mid December - Receive bid responses
- Early January - Review the low bid, request a schedule of values, check references and financials of the apparent low bidder
- Late January - Obtain School Board approval and award the project to the lowest responsive and responsible bidder if funding is available
- Early February - Board approval of the award and execute the contract
- Mid to Late February - Mobilize onto the site
- Early August - Achieve substantial completion

Please feel free to contact me with any questions you may have.

CC: Emily Baker
 Stacey Johnson
 Paul May
 Clarence Stukes



August 17, 2015

Ms. Sue Setliff
Maury Schoolyard Initiative
600 Russell Road
Alexandria, VA 22301

Reference: Maury ES Schoolyard Improvements
SDS #: 1507090

Dear Ms. Setliff,

Thank you for the opportunity to be of service. The following estimate is provided in accordance with our Services Agreement dated July 13, 2015. Please contact me at your earliest convenience if you should have any questions or concerns.

At your request we have provided a complete, itemized sitework quantity takeoff and cost estimate. In addition, if you can provide us with a geotechnical report and soil borings we can utilize them to generate subsurface strata layers to calculate the volumes of different types of earth and rock for an even more realistic estimate of the earthwork required on this project.

The following documents are attached:

- 1.) Land Development Budget Cost Estimate
- 2.) Earthwork Analysis Summary
- 3.) Site Cut/Fill Plans.

In an effort to minimize our environmental impact we have transmitted our report electronically and can overnight hard copies upon your request.

Please understand that while we have performed this analysis with care, it is solely our interpretation of the document/file(s) used in this estimate and any financial liability is limited to the amount of the fee paid to Site Development Services, Inc. for this analysis.


Thanks again for allowing us to assist in your estimating tasks.

Respectfully,

SITE DEVELOPMENT SERVICES, INC.



John R. Jordan
President



Sonya Miller
Director of Estimating

MAURY ES SCHOOL YARD IMPROVEMENTS
SDS No.: 1507090

NOTES:

- 1 Includes only hard costs.
- 2 Excludes permits and connection fees.
- 3 Excludes gas, electric and telephone utilities.
- 4 Includes permanent seeding of all green areas.
- 5 Excludes blasting & rock excavation.
- 6 Excludes undercutting and unsuitable soil manipulation.
- 7 Excludes engineering, stakeout and soils testing.
- 8 15% has been added to the bank fill volumes to allow for compaction.
- 9 Cut and fill quantities have been calculated after topsoil stripping, if any, to subgrade elevations.
- 10 Subgrade elevations were calculated using the following sectional thicknesses:

Brick Pavement:	8.0"
Flush Concrete Curb:	22.0"
Basketball Court Pavement:	7.0"
Track-Trail:	8.0"
Play Area Surface:	12.0"
Secondary Play Area Surface:	11.0"
Artificial Turf Perimeter Curb;	12.0"
Sidewalk:	8.0"
Artificial Turf;	8.5"
Concrete Pavement:	8.0"
Specialty Concrete Pavement:	8.0"
Buildings:	
- 11 All fill required is assumed to be structural.
- 12 Sanitary, storm and watermain pipe prices include pipe testing and stone bedding where required.
- 13 This estimate excludes Surveying and Stakeout Services, Mobilization and Contractor Fees.

MAURY ES SCHOOL YARD IMPROVEMENTS
SDS No.: 1507090

DOCUMENT/FILE(S) USED IN ESTIMATING:

1 The following PDF files

<i>Name</i>	<i>Size</i>
REVO - Matthew Maury Elementary School (12-10-14).pdf	338 KB
ITB scope_DRAFT_07.10.2015.pdf	388 KB
Inspection and Maintenance Guidelines.pdf	622 KB
Grading Plan.pdf	30,433 KB

2 The following CAD files

<i>Name</i>	<i>Size</i>
5407-02-001-Xbase.dwg	3,768 KB
5407-02-001-GIS-Xbase.dwg	3,727 KB
4021-CIVIL/dwg	865 KB
0021- SITE.dwg	7,464 KB

3 No geotechnical information had been provided at the time this estimate was preformed.

MAURY ES SCHOOL YARD IMPROVEMENTS
SDS No.: 1507090

LAND DEVELOPMENT BUDGET COST ESTIMATE

DESCRIPTION	TOTAL COST	NOTES
CLEARING & DEMOLITION	\$ 25,846	
EARTHWORK AND GRADING	21,044	
SEDIMENT CONTROL	20,862	
SILT CONTROL MAINT & REMOVAL	5,215	
WATER SYSTEM	20,174	
STORM SEWER	254,898	
CURB & GUTTER	8,517	
SIDEWALKS	53,504	
PAVEMENT - TRACK-TRAIL	34,002	
SIGNS	1,800	
LANDSCAPING	46,347	
COMMON FACILITIES	575,432	
SUBTOTAL	\$ 1,067,640	
10% CONTINGENCY	106,764	
GRAND TOTAL	\$ 1,174,404	

Please see attached "Notes" page for qualifications and assumptions.

**MAURY ES SCHOOL YARD
IMPROVEMENTS**

DESCRIPTION	TAKEOFF QUANTITY	UNIT TYPE	UNIT PRICE	EXTENSION PRICE	TOTAL COST	NOTES
CLEARING & DEMOLITION					25,845.59	
REMOVE INDIVIDUAL TREE	2	EA	110.00	220.00		
DEMO EX PLANTER BOX	160	SF	2.90	463.67		
DEMO EX ASPHALT	1632	SY	7.24	11,822.07		
SAW CUT EX ASPHALT	81	LF	5.99	484.99		
DEMO EX STORM PIPE	334	LF	12.51	4,179.65		Type and size not specified on plans
DEMO EX STORM STRUCTURE	6	EA	362.24	2,173.47		Type and size not specified on plans
DEMO EX STORM STR TOP	4	EA	289.80	1,159.18		
DEMO EX SIGNS	1	EA	50.00	50.00		
DEMO EX WOOD BORDER	331	LF	1.39	459.43		
DEMO EX FENCE	204	LF	1.63	333.12		
DEMO EX BASKETBALL GOAL	1	EA	350.00	350.00		
DEMO EX BENCH	6	EA	100.00	600.00		
DEMO EX PICNIC BENCH	2	EA	100.00	200.00		
DEMO EX POST	44	EA	25.00	1,100.00		
DEMO EX LIGHT POLE	3	EA	750.00	2,250.00		
EARTHWORK AND GRADING					21,043.69	
STRIP TOPSOIL TO STOCK FOR RESF	308	CY	2.84	875.12		
STRIP TOPSOIL TO HAUL OFF	88	CY	18.18	1,600.22		
CUT TO STR'L FILL	75	CY	2.84	213.10		
CUT TO EXPORT SUITABLE FILL	889	CY	16.37	14,549.27		
ROUGH GRADE ARTIFICIAL TURF	1,281	SY	0.50	640.48		

**MAURY ES SCHOOL YARD
IMPROVEMENTS**

DESCRIPTION	TAKEOFF QUANTITY	UNIT TYPE	UNIT PRICE	EXTENSION PRICE	TOTAL COST	NOTES
ROUGH GRADE BASKETBALL COURT	468	SY	0.70	327.33		
ROUGH GRADE BRICK PAVEMENT	7	SY	0.70	4.67		
ROUGH GRADE CONCRETE PAVEMENT	1,023	SY	0.70	716.51		
ROUGH GRADE FLUSH CONCRETE CURB	38	SY	0.70	26.68		
ROUGH GRADE GARDEN SPECIALTY	13	SY	0.70	8.79		
ROUGH GRADE PLAY AREA	303	SY	0.70	212.44		
ROUGH GRADE RAIN GARDEN	141	SY	0.50	70.45		
ROUGH GRADE SECONDARY PLAY AREA	740	SY	0.70	517.76		
ROUGH GRADE SPECIALTY CONCRETE	255	SY	0.70	178.37		
ROUGH GRADE TRACK-TRAIL	255	SY	0.70	178.76		
ROUGH GRADE GREEN AREAS	1,847	SY	0.50	923.74		
SEDIMENT CONTROL					20,861.70	
SURGE STONE CONSTRUCTION ENTRANCE	1	EA	2,202.54	2,202.54		900sf
WASH RACK	1	EA	1,762.03	1,762.03		
SURGE STONE CONSTRUCTION ENTRANCE	1	EA	2,202.54	2,202.54		1,128sf
WASH RACK	1	EA	1,762.03	1,762.03		
SUPER SILT FENCE	443	LF	7.88	3,490.84		
TREE PROTECTION	1,354	LF	3.38	4,572.76		
STRUCTURE PROTECTION	10	EA	200.23	2,002.31		
TEMP. SEED & MULCH	6,370	SY	0.45	2,866.65		All disturbed areas except pavement.
SILT CONTROL MAINT & REMOVAL					5,215.43	
ALLOWANCE	25%	LS	20,862	5,215.43		
WATER SYSTEM					20,174.06	
C900:						
1" C900	13	LF	17.05	221.67		
2" C900	431	LF	21.31	9,186.31		
WATER LINE TESTING	444	LF	1.50	666.00		
STONE BACKFILL IN PAVED AREAS	4	CY	98.00	362.96		Spoils to off-site
FITTINGS & VALVES:						
8X1 WET TAP	1	EA	1,008.58	1,008.58		
HOSE BIB	3	EA	500.00	1,500.00		
BACKFLOW PREVENTION VALVE	1	EA	1,250.00	1,250.00		
8" PVC SLEEVE	40	LF	32.00	1,280.00		
2" PVC BEND	6	EA	28.05	168.30		
2"X1" PVC TEE	2	EA	35.06	70.12		
2"X1" PVC REDUCER	1	EA	21.04	21.04		
1" COPPER	18	LF	13.52	243.38		
3/4" TAP, METER CROCK, LID, SETTER	1	EA	845.08	845.08		
MISCELLANEOUS:						
TEST PIT	1	EA	558.80	558.80		At connection
TEST PIT	1	EA	558.80	558.80		
REMOVE & REPLACE C&G	10	LF	29.72	297.22		
REMOVE & REPLACE S/W	4	SY	57.53	255.69		
REMOVE & REPLACE EX C/L FENCE	10	LF	18.60	186.03		
OPEN CUT AND PATCH PAVEMENT	3	SY	73.38	244.59		
TRAFFIC CONTROL ALLOWANCE	1	LS	1,249.50	1,249.50		

**MAURY ES SCHOOL YARD
IMPROVEMENTS**

DESCRIPTION	TAKEOFF QUANTITY	UNIT TYPE	UNIT PRICE	EXTENSION PRICE	TOTAL COST	NOTES
STORM SEWER					254,898.28	
HDPE:						
36" HDPE	321	LF	106.37	34,143.97		
STONE BACKFILL	206	CY	98.00	20,188.00		
36" HDPE BEND	6	EA	3,731.00	22,386.00		
36" HDPE TEE	8	EA	5,675.00	45,400.00		
PVC:						
6" PVC	31	LF	16.32	505.98		
6" PERF PVC	195	LF	17.98	3,506.10		
4" PERF PVC	242	LF	14.36	3,475.90		
6"X4" PVC TEE	2	EA	35.06	70.12		
6"X4" PVC CROSS	3	EA	61.36	184.07		
6" PVC BEND	1	EA	28.05	28.05		
6" CLEANOUTS	2	EA	322.57	645.13		
4" CLEANOUTS	9	EA	269.97	2,429.77		
6"X4" PVC REDUCER	2	EA	42.07	84.15		
FIELD CONNECTION	1	EA	500.00	500.00		
RCP CLASS IV:						
15" RCP CL IV	123	LF	38.78	4,769.34		
ADD DEPTH:						
ADD 6-8' DEPTH 0-24" PIPE	21	LF	12.65	265.65		
STRUCTURES:						
1 MH DOGHOUSE	6.49	VF		2,871.05		
2B MH	4.97	VF		1,990.49		
3 MH	4.09	VF		1,770.16		
3A YARD INLET CSY1-1 RISER	5	VF		5,453.33		
8 YARD INLET CSY1-1 RISER	5	VF		5,370.33		
EX 2 - MH TOP	1	EA	544.18	544.18		
EX 3 - MH TOP	1	EA	544.18	544.18		
2 BAY FILTER PRECAST VAULT 8x10'	1.00	LS	24,000.00	24,000.00		
DELIVERY & INSTALL ALLOWANCE	25%	LS	24,000	6,000.00		
TRENCH DRAINS:						
6" ACO TRENCH DRAIN	119	LF	140.00	16,660.00		Allowance provided by ACO
DELIVERY & INSTALL ALLOWANCE	25%	LS	16,660	4,165.00		
8" ACO TRENCH DRAIN	120	LF	175.00	21,000.00		Allowance provided by ACO
DELIVERY & INSTALL ALLOWANCE	25%	LS	21,000	5,250.00		
MISCELLANEOUS:						
REMOVE & REPLACE C&G	10	LF	32.68	326.77		
REMOVE & REPLACE S/W	4	SY	63.25	281.12		
OPEN CUT AND PATCH PAVEMENT	7	SY	91.16	607.73		
STONE BACKFILL IN PAVED AREAS	10	CY	98.00	1,016.30		Spoils to off-site
TRAFFIC CONTROL ALLOWANCE	1	LS	1,552.31	1,552.31		
TREE PIT:						
TREE PIT ALLOWANCE	150	SF	16.00	2,400.00		Allowances
RAIN GARDENS:						
FILTER FABRIC	18	SY	3.00	54.93		Allowances
3" MULCH	12	CY	20.43	239.86		
36" PLANTING SOIL	141	CY	88.53	12,472.67		
3" PEA GRAVEL	12	CY	73.16	859.00		
12" GRAVEL	47	CY	18.88	886.62		

**MAURY ES SCHOOL YARD
IMPROVEMENTS**

DESCRIPTION	TAKEOFF QUANTITY	UNIT TYPE	UNIT PRICE	EXTENSION PRICE	TOTAL COST	NOTES
CURB & GUTTER					8,516.67	
FLUSH CONCRETE CURB	550	LF	15.48	8,516.67		
SIDEWALKS					53,503.52	
BRICK PAVING	7	SY	150.00	1,000.00		Aggregate Base
CONCRETE PAVING:						
4" REINFORCED CONC. PAVING	1023	SY	31.17	31,889.96		
4" 21-A BASE	1023	SY	8.28	8,472.28	\$36.00 ton	
SPECIALTY CONCRETE PAVING:						
4" REINFORCED CONC. PAVING	255	SY	31.17	7,940.46		
4" 21-A BASE	255	SY	8.28	2,109.56	\$36.00 ton	
GARDEN SPECIALTY CONCRETE PAVING:						
4" SPECIALTY PAVE ALLOWANCE	13	SY	150.00	1,883.33		
4" 21-A BASE	13	SY	16.56	207.92	\$36.00 ton	
PAVEMENT - TRACK-TRAIL					34,001.56	
FINE GRADE	255	SY	0.75	190.32		
6" 21-A BASE	255	SY	12.42	3,171.24	\$36.00 ton	Track-Trail
2" FLEXIBLE SURFACING	255	SY	120.00	30,640.00		
SIGNS					1,800.00	
PLAYGROUND SIGN	1	EA	1,000.00	1,000.00		
RAIN GARDEN SIGN	2	EA	400.00	800.00		
LANDSCAPING					46,347.07	
RESPREAD TOPSOIL	308	CY	5.03	1,547.91		
FINE GRADE/SEED/MULCH/FERTILIZE	1,847	SY	1.12	2,075.59		All green areas.
GARDEN ARBOR	1	EA	500.00	500.00		
GARDEN FENCE	60	LF	22.00	1,320.00		
SHRUBS	106	EA	97.38	10,322.42		
PERENNIALS	423	EA	35.00	14,805.00		
GRASSES	129	EA	35.00	4,515.00		
DECIDUOUS TREES	2	EA	299.63	599.27		
ORNAMENTAL TREES	6	EA	374.54	2,247.26		Tree Pit Area
VEGETATED BUFFER/SWALE ALLOWANCE:						
30" PLANTING SOIL	73	CY	88.53	6,434.71		Allowances
EXCAVATE & HAUL OFF	73	CY	27.24	1,979.91		Spoils to off-site
COMMON FACILITIES					575,432.26	
PLAYGROUND EQUIPMENT	1	LS	108,000.00	108,000.00		
DELIVERY & INSTALL ALLOWANCE	25%	LS	108,000	27,000.00		
6' CHAIN LINK FENCE	160	LF	18.51	2,962.00		
BASKETBALL COURT ALLOWANCE	1	EA	25,000.00	25,000.00		
BASKETBALL GOAL	2	EA	4,000.00	8,000.00		
BASKETBALL GOAL - RELO	2	EA	960.00	1,920.00		
BACKLESS BENCH	15	EA	625.00	9,375.00		
PLAYGROUND BENCH	6	EA	1,618.75	9,712.50		
ROUND TABLES	7	EA	2,495.00	17,465.00		
BICYCLE RACK	4	EA	230.00	920.00		

MAURY ES SCHOOL YARD
IMPROVEMENTS

DESCRIPTION	TAKEOFF QUANTITY	UNIT TYPE	UNIT PRICE	EXTENSION PRICE	TOTAL COST	NOTES
TRASH RECEPTACLE	3	EA	1,540.00	4,620.00		
RECYCLE RECEPTACLE	3	EA	1,370.00	4,110.00		
FLAG POLE	1	EA	5,000.00	5,000.00		
WOODEN BRIDGE SWALE CROSSING	32	SF	127.00	4,064.00		
BASEBALL BACKSTOP	1	EA	10,000.00	10,000.00		
PLAYERS BENCH	5	EA	600.00	3,000.00		
CHAINLINK FENCE GATE	1	EA	550.00	550.00		
RELOCATED CHAINLINK FENCE GATE	1	EA	250.00	250.00		
SEASONAL SHADE STRUCTURE	2	EA	5,570.00	11,140.00		
SEASONAL SHADE STRUCTURE	1	EA	7,955.00	7,955.00		
DELIVERY & INSTALL ALLOWANCE	25%	LS	19,095	4,773.75		
ARTIFICIAL TURF FIELD						
TURF FIELD ALLOWANCE	11,527	SF	11.00	126,797.00		
CURB EDGING	450	LF	15.48	6,968.18		
ADVANEDGE DRAINAGE SYSTEM	1	LS	28,129.65	28,129.65		
DELIVERY & INSTALL ALLOWANCE	25%	LS	161,895	40,473.71		
GARDEN STONES:						
IRREGULAR STEPPING STONES	180	SF	20.00	3,600.00		
1" SAND SETTING BED	1	CY	112.20	62.33		
3" GRAVEL	2	CY	18.88	31.47		
SECONDARY PLAY AREA SURFACE:						
FILTER FABRIC	67	SY	3.00	200.76		Allowances
8" WOOD FIBER	15	CY	25.00	372.22		
3" GRAVEL	6	CY	18.88	105.41		
MULCH PLAY AREA:						
3" MULCH	25	CY	25.00	632.18		
PLAY AREA SAFETY SURFACE:						
FILTER FABRIC	713	SY	3.00	2,136.73		Allowances
SAFETY SURFACE	673	SY	100.00	67,255.56		
1.5" FINE CRUSHED GRANITE	28	CY	212.00	5,940.91		
4" GRAVEL	75	CY	18.88	1,410.81		
TERRACED SEAT WALL:						
CONCRETE RETAINING WALL	554	SF	45.17	25,023.52		Assumes 3' footing
3/8" BLUESTONE GRAVEL	200	SF	2.04	408.00		
FILTER FABRIC	22	SY	3.00	66.59		
END OF ESTIMATE						

MAURY ES SCHOOL YARD IMPROVEMENTS**SDS No.: 1507090****STRIP EXISTING HARD SURFACE AND HAUL OFF-SITE:**

4" EXISTING HARD SURFACE TO HAUL OFF	178 cy
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TOPSOIL TO NON-STR'L FILL:

3" TOPSOIL STRIP IN DISTURBED AREAS	397 cy
LESS NON-STR'L FILL TO SUBGRADE	0 cy
LESS TOPSOIL REQUIRED FOR RESPREAD	(308) cy
EXCESS TOPSOIL/NON-STR'L MATERIAL	89 cy

CUT TO STR'L FILL :

CUT IN SOIL	964 cy
LESS ESTIMATED STR'L FILL REQUIRED	(75) cy
EXCESS STR'L FILL MATERIAL	889 cy
BALANCE CHANGE PER 0.1'	245 cy
RAISE/LOWER FOR BALANCE	0.4 vf

TOTAL EXCESS	978 cy
BALANCE CHANGE PER 0.1'	245 cy
RAISE/LOWER FOR BALANCE	0.4 vf

GRADING AREAS:

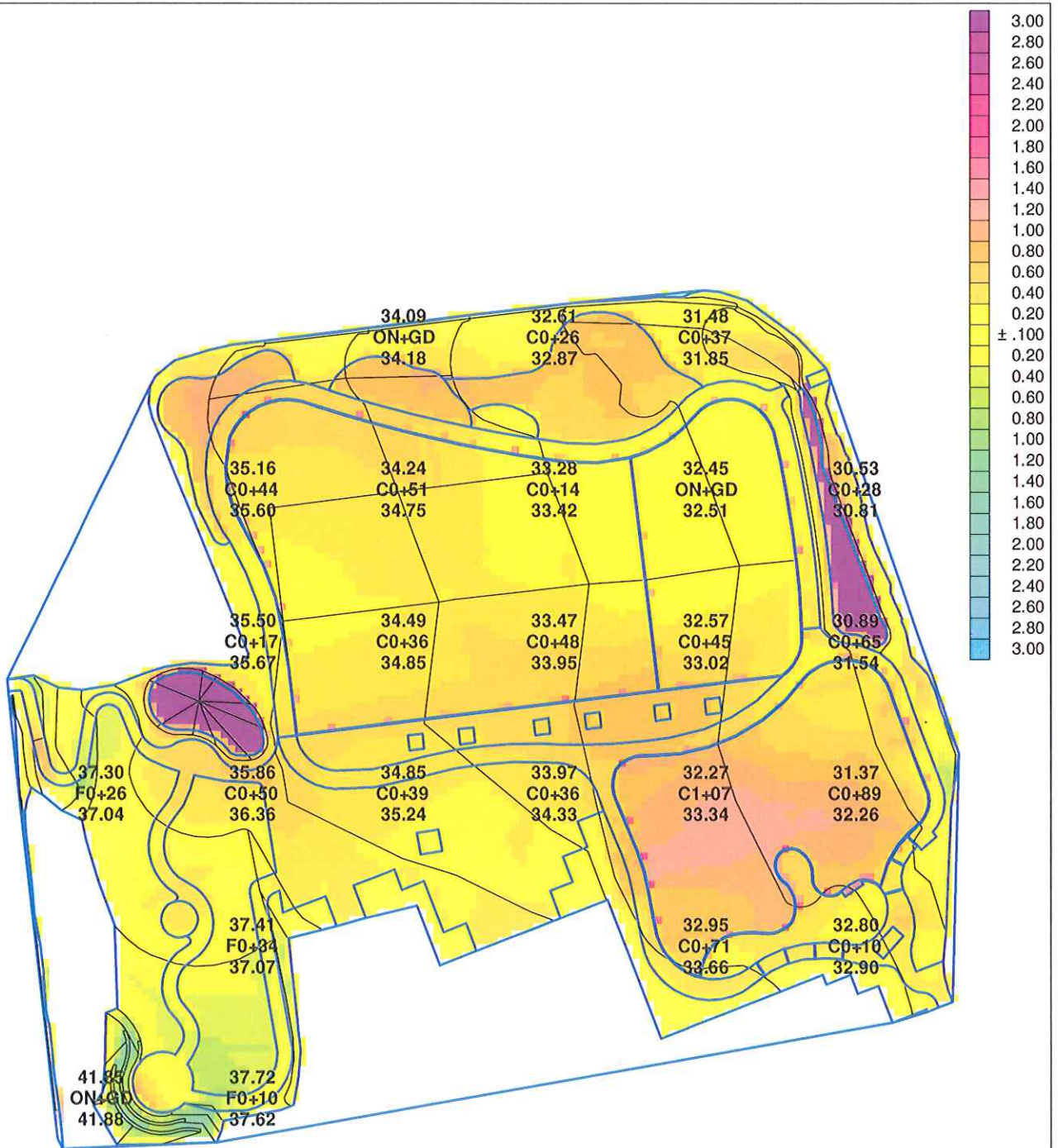
ARTIFICIAL TURF	0.3 AC	11,527 sf
BASKETBALL COURT	0.1 AC	4,208 sf
BRICK PAVEMENT	0.0 AC	60 sf
CONCRETE PAVEMENT	0.2 AC	9,209 sf
FLUSH CONCRETE CURB	0.0 AC	343 sf
GARDEN SPECIALTY PAVEMENT	0.0 AC	113 sf
MULCH PLAY AREA	0.1 AC	2,731 sf
PLAY AREA SAFETY SURFACE	0.1 AC	6,053 sf
RAINGARDEN	0.0 AC	1,268 sf
SECONDARY PLAY AREA	0.0 AC	603 sf
SPECIALTY CONCRETE	0.1 AC	2,293 sf
TRACK-TRAIL	0.1 AC	2,298 sf
LANDSCAPE/GRASS AREAS	0.4 AC	16,627 sf
TOTAL DISTURBED AREA	1.3 AC	57,333 sf

TOPSOIL RESPREADING:

6" TOPSOIL IN LANDSCAPE/GRASS AREAS	16,627 sf
VOLUME OF TOPSOIL REQUIRED	308 cy

TOPSOIL REQUIRED FOR RESPREAD	308 cy
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Please see notes page for qualifications and assumptions.



Maury ES School Yard Improvements
 SDS No.: 1507090

Site Development Services, Inc.

Volume Report
Subgrade vs. Stripped

	Total	Cut	Area Fill	OnGrade	Volume Cut	Fill	Comp/Ratio Cut	Fill	Compact Cut	Fill	Export Import	Change Per. i Ft
ARTIFICIALTURF	11,527	11,485	0	42	165	0	1.00	1.15	165	0	165	49
BASKETBALL COURT	4,208	2,348	0	1,860	30	0	1.00	1.15	30	0	30	18
BRICK PAVING	2	2	0	0	0	0	1.00	1.15	0	0	0	0
BRICK PAVING	2	2	0	0	0	0	1.00	1.15	0	0	0	0
BRICK PAVING	2	2	0	0	0	0	1.00	1.15	0	0	0	0
BRICK PAVING	2	2	0	0	0	0	1.00	1.15	0	0	0	0
BRICK PAVING	2	2	0	0	0	0	1.00	1.15	0	0	0	0
BRICK PAVING	2	2	0	0	0	0	1.00	1.15	0	0	0	0
BRICK PAVING	2	2	0	0	0	0	1.00	1.15	0	0	0	0
BRICK PAVING	46	46	0	0	1	0	1.00	1.15	1	0	1	0
BRICK Sub:	60	60	0	0	1	0			1	0	1	0
CONCPAVING	1,837	1,837	0	0	44	0	1.00	1.15	44	0	44	8
CONCPAVING	649	649	0	0	10	0	1.00	1.15	10	0	10	3
CONCPAVING	29	29	0	0	0	0	1.00	1.15	0	0	0	0
CONCPAVING	6,694	5,652	707	335	75	8	1.00	1.15	75	9	66	29
CONCPAVING Sub:	9,209	8,167	707	335	129	8			129	9	120	40
FLUSHCONCCURB	138	134	0	4	5	0	1.00	1.15	5	0	5	1
FLUSHCONCCURB	205	198	2	5	7	0	1.00	1.15	7	0	7	1
FLUSHCONCCURB Sub:	343	332	2	9	12	0			12	0	12	2
GARDENSPECIALTYPAV	113	112	0	1	2	0	1.00	1.15	2	0	2	0
MULCH PLAY AREA	801	799	0	2	10	0	1.00	1.15	10	0	10	3
MULCH PLAY AREA	1,930	1,639	0	291	14	0	1.00	1.15	14	0	14	8
MULCH Sub:	2,731	2,438	0	293	24	0			24	0	24	11
PLAY AREA SAFETY SURFACE	6,053	5,965	4	84	135	0	1.00	1.15	135	0	135	26
RAINGARDE1	631	631	0	0	112	0	1.00	1.15	112	0	112	3
RAINGARDEN2	637	637	0	0	114	0	1.00	1.15	114	0	114	3
RESPREAD	52	4	0	48	0	0	1.00	1.15	0	0	0	0
RESPREAD	25	25	0	0	0	0	1.00	1.15	0	0	0	0
RESPREAD	25	25	0	0	0	0	1.00	1.15	0	0	0	0
RESPREAD	25	25	0	0	1	0	1.00	1.15	1	0	1	0
RESPREAD	25	25	0	0	1	0	1.00	1.15	1	0	1	0
RESPREAD	25	25	0	0	1	0	1.00	1.15	1	0	1	0
RESPREAD	25	25	0	0	1	0	1.00	1.15	1	0	1	0
RESPREAD	13,824	9,430	2,035	2,359	139	38	1.00	1.15	139	44	95	59
RESPREAD	2,601	1,148	1,264	189	13	18	1.00	1.15	13	21	-8	11
RESPREAD Sub:	16,627	10,732	3,299	2,596	156	56			156	65	91	70
SECONDARYPLAYAREA	603	603	0	0	18	0	1.00	1.15	18	0	18	3
SPECIALTYCONC	2,293	2,165	66	62	39	1	1.00	1.15	39	1	38	10
TRACK	2,298	2,282	0	16	27	0	1.00	1.15	27	0	27	10
Regions Total	57,333	47,957	4,078	5,298	964	65			964	76	889	245

Stripping Qtys	Plane Area	Slope Area	Depth	Volume
EXHARDSURFACE	14,572	14,577	0.330	178
TOPSOIL	42,759	42,843	0.250	397
Stripping Total	57,331	57,420		575

Sectional Qty's	Plane Area	Slope Area	Depth	Volume
ARTIFICIALTURF	11,527	11,529	0.710	303
BASKETBALL COURT	4,208	4,208	0.580	90
BRICK PAVING	46	46	0.670	1
BRICK PAVING	2	2	0.670	0
BRICK PAVING	2	2	0.670	0
BRICK PAVING	2	2	0.670	0
BRICK PAVING	1	1	0.670	0
BRICK PAVING	2	2	0.670	0
BRICK PAVING	2	2	0.670	0
BRICK PAVING	2	2	0.670	0
BRICK Sub:	59	59		1
CONCPAVING	29	29	0.670	1
CONCPAVING	6,694	6,654	0.670	165
CONCPAVING	649	651	0.670	16
CONCPAVING	1,837	1,815	0.670	45
CONCPAVING Sub:	9,209	9,149		227
FLUSHCONCCURB	138	134	1.830	9
FLUSHCONCCURB	205	206	1.830	14
FLUSHCONCCURB Sub:	343	340		23
GARDENSPECIALTYPAV	113	113	0.670	3
MULCH PLAY AREA	1,930	1,942	0.500	36
MULCH PLAY AREA	801	803	0.500	15
MULCH Sub:	2,731	2,745		51
PLAY AREA SAFETY SURFACE	6,052	6,056	0.667	150
RAINGARDE1	631	631	4.500	105
RAINGARDEN2	637	637	4.500	106
RESPREAD	52	80	0.500	1
RESPREAD	25	26	0.500	0
RESPREAD	25	39	0.500	1
RESPREAD	25	25	0.500	0
RESPREAD	25	25	0.500	0
RESPREAD	25	30	0.500	1
RESPREAD	25	27	0.500	1
RESPREAD	2,601	2,613	0.500	48
RESPREAD	13,824	14,007	0.500	259
RESPREAD Sub:	16,627	16,872		311
SECONDARYPLAYAREA	603	603	0.920	21
SPECIALTYCONC	2,293	2,297	0.670	57
TRACK	2,298	2,299	0.670	57
Sectional Total	57,331	57,538		1,505

Total Available Funds

Available funding for the project is in the amount of Nine Hundred Forty Six Thousand, Two Hundred Twenty Eight Dollars (\$946,228.00). The details of the funding sources are as follows:

1. Prior ACPS CIP Balance – Replace Maury Playground Surface	\$68,628
2. FY 2016 School Board Approved CIP Funding	\$500,000
3. City of Alexandria CIP Funding	\$250,000
4. MSI Additional Funds	\$127,600
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TOTAL	\$946,228

Matthew Maury Schoolyard Initiative (MSI) Scope of Work: For Inclusion to the Invitation to Bidders (ITB)

SUMMARY:

Alexandria City Public Schools (ACPS) is issuing this Request for Proposals to engage a General Contractor to provide services for the renovation of the Matthew Maury Elementary School Playground. A single award is expected.

Maury Elementary School is located at 600 Russell Road, Alexandria, VA 22301. The existing playground, basketball court and natural turf field are to be demolished and replaced with new playground equipment, surfacing, an artificial turf field, basketball court, learning garden and open play areas.

Due to the size of the area to be disturbed, a permit is required for grading, stormwater management and sediment & erosion control. For this, ACPS has received approval from the City of Alexandria for a Grading Plan permit, utilizing independent services of both a landscape architect and civil engineer. The successful Offeror will be required to provide all other permits required for installation.

SCOPE OF WORK:

The selected Contractor will be required to provide construction services for the scope of work as generally outlined herein. Based on the bid documents, the Contractor shall solicit trade bids for the required work, obtain the necessary permits, and construct the approved design to accommodate the work to be furnished and installed by Real School Gardens by May 20, 2015 and the complete project no later than the target date for Substantial Completion of August 1st, 2016.

1. Demolition and removal of the following existing infrastructure:

- Playground equipment, mulch surfacing and timber edging
- Asphalt play court and basketball goals
- Asphalt and concrete walkway

- Trees
- Tee ball/baseball plates and backstop fence
- Garden planter beds

2. Relocation of the following existing items*:

- Gates
- Adjustment of existing manhole covers- types to match proposed grade
- Shed
- Boulders and tree stumps
- Soccer goals
- Basketball goals

*items are to be properly stored as needed during construction until such time as the site is prepared for re-installation of each item. The contractor is to coordinate timing, disassembly and storage of items with ACPS prior to performing the work.

3. Furnish and install the following:

- Siltation & erosion control
- Grading, tree protection, ancillary site work
- Playground equipment, poured in place surfacing with concrete curb edging, mulch surfacing with timber edging
- Concrete and brick walkways and concrete plaza area
- Terraced seat walls
- Site furnishings including playground benches (adjacent playground), trash receptacles, and seasonal shade structures
- Six (6) gleditsia triacanthos inermis 'shademaster' (located in six tree pits within the concrete plaza area) and seeding of disturbed areas
- Water meter and hose bibs
- Stormwater management drains, swales, underground pipes (advantage perforated panels, pvc and hdpe, or approved equals), bayfilter, overflow fixtures, cleanouts and manhole connections

4. Value Engineering & Scope Assessment

Each Offeror shall provide a base cost and a separate cost per each additional alternative (Add-Alt) as listed on the Bid Form. Each Add-Alt may be approved independently in order of priority or none may be approved.