



MSD of New Durham Township **WESTVILLE SCHOOLS**

Phase 1 Project Summaries and Probable Cost Estimates

April 20, 2017

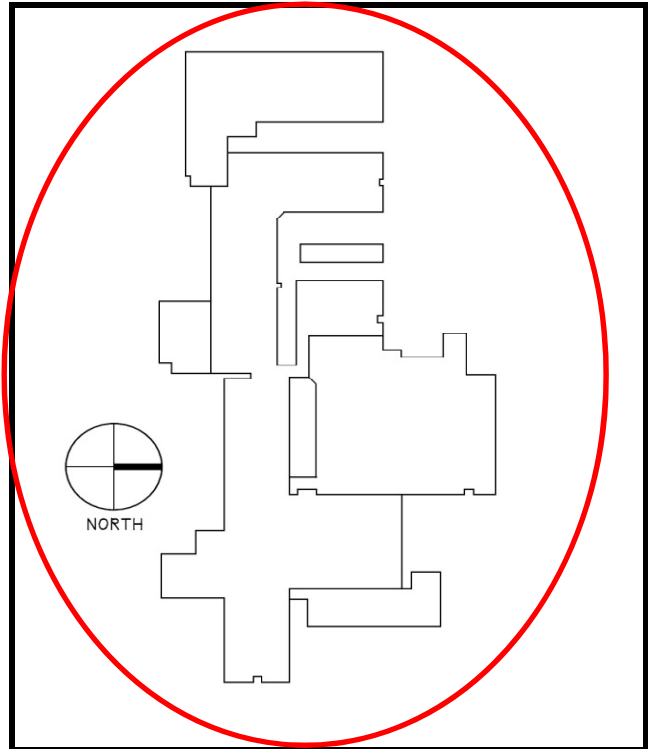




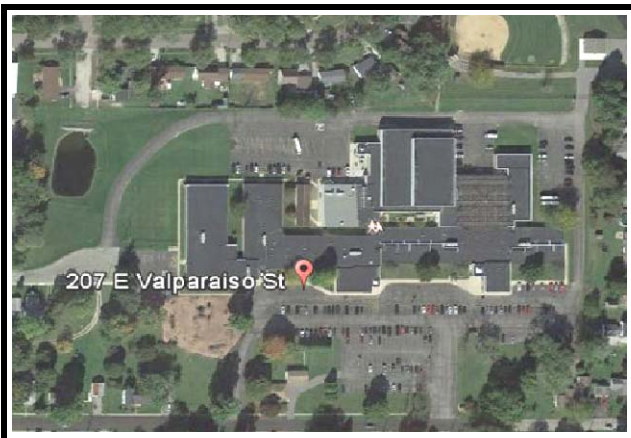
Westville Schools

MSD OF NEW DURHAM TOWNSHIP WESTVILLE SCHOOLS PHASE 1 PROJECT SUMMARIES

Renovate Site Drainage	
Location:	Entire Site, not including athletic fields
Estimated Construction Cost:	\$875k - \$1.15mil
Estimated A/E Fee:	7.5%, \$65,6325-\$86,250
Disciplines Included:	Architectural
	Civil
	Landscape Architect
General Notes:	
Estimated Project cost is all inclusive.	



Scope Summary:
1. Reconfigure site drainage for entire site. Add drainage to parking lot. Consider including a new retention pond or adding on to existing.
2. Convert previous house lot to (potentially gravel) bus parking.
3. Install underground storm retention/storage below green space.
4. Excavate playground, add proper drainage, construct new playground with new playground-specific mulch.
5. Remove trailer, and reconfigure drainage and site for future construction.
6. Correct downspout issues





MSD of New Durham Township Westville Schools Preliminary Probable Cost Estimate

Site Drainage

2016.0021
April 20, 2017

Viridian Architectural Design, Inc.
Engineering Resources, Inc.

	Low	High
General Conditions	\$ 79,560.00	\$104,220.00
Storm Drainage	\$260,300.00	\$284,100.00
Hardscaping	\$280,500.00	\$303,100.00
Renovate Playground Site	\$ 42,800.00	\$50,000.00
New Playground Equipment	\$ 175,000.00	\$350,000.00
New Compactor/Dumpster Enclosure	\$15,000.00	\$20,000.00
Demolish Trailer and Stabilize Site for Future Construction	\$22,000.00	\$35,000.00

Contingency	Contingency	\$0.00	\$0.00
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TOTAL CONSTRUCTION (based on April 2017 dollars):	\$ 875,160.00	\$1,146,420.00
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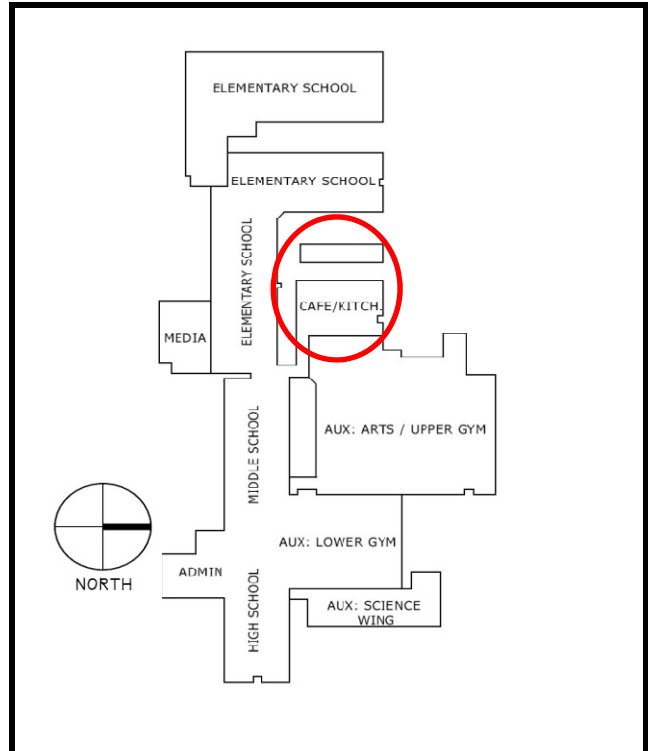


Westville Schools

MSD OF NEW DURHAM TOWNSHIP WESTVILLE SCHOOLS PHASE 1 PROJECT SUMMARIES

Renovate Kitchen / Cafeteria

Location:	Kitchen, Cafeteria, Associated Offices
Estimated Construction Cost:	\$2.8mil - \$4.1mil
Estimated A/E Fee:	7.5%, \$210,000 - \$307,500
Disciplines Included:	Architectural
	Mechanical
	Plumbing
	Electrical
	Civil
	Structural
General Notes:	
Estimated Project cost is all inclusive.	



Scope Summary:

1. Expand footprint of Kitchen and Cafeteria to approximately twice the current size.
2. Renovate cafeteria, kitchen, and all associated spaces including offices and storage.
3. Add new equipment as requested by client.
4. Install new finishes throughout.
5. Add new site drainage as required.
6. Relocate dumpster/compactor and enclose. Reconfigure adjacent parking area.
8. New roof at addition. Modify existing roof to receive new mechanical equipment.





MSD of New Durham Township Westville Schools Preliminary Probable Cost Estimate

Renovate Kitchen and Cafeteria

2016.0021
April 20, 2017

Viridian Architectural Design, Inc.
SCO Engineering, LLC

	Low	High
General Conditions	\$ 257,500.00	\$371,000.00
Expand Kitchen	\$ 1,650,000.00	\$2,400,000.00
Expand Cafeteria	\$ 825,000.00	\$1,200,000.00
New Culinary Equipment	\$ 100,000.00	\$110,000.00

Contingency	Contingency	\$0.00	\$0.00
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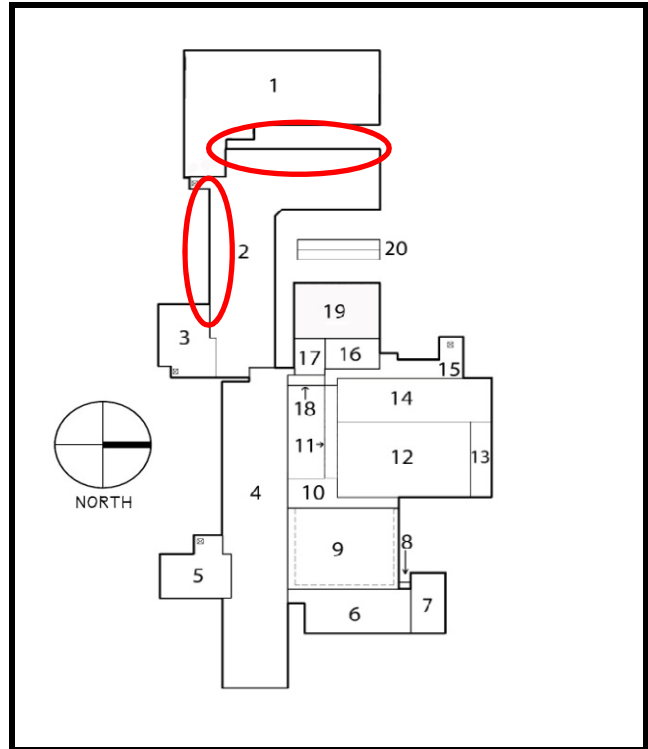
TOTAL CONSTRUCTION (based on April 2017 dollars):	\$ 2,832,500.00	\$4,081,000.00
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Westville Schools

MSD OF NEW DURHAM TOWNSHIP WESTVILLE SCHOOLS PHASE 1 PROJECT SUMMARIES

Replace Soffits	
Location:	Soffits in Various Locations
Estimated Construction Cost:	\$30k - \$39k
Estimated A/E Fee:	Hourly
Disciplines Included:	Architectural
	Environmental
General Notes:	
Estimated Project cost is all inclusive.	
Approx. 1,500 SF of soffit to be replaced. Quantity to be verified in field.	



Scope Summary:
1. Environmental testing for potentially hazardous materials.
2. Replace soffits in poor to failed condition.
3. Replace soffits composed of potentially hazardous materials.
4. Asbestos abatement of Asbestos Containing Materials.
5. Add lighting for better security.





MSD of New Durham Township Westville Schools Preliminary Probable Cost Estimate

Replace Soffits

2016.0021
April 20, 2017

Viridian Architectural Design, Inc.
SCO Engineering, LLC

	Low	High
General Conditions	\$ 2,370.00	\$3,500.00
Environmental Testing	\$ 1,200.00	\$4,000.00
Hazardous Material Abatement	\$ 4,500.00	\$6,000.00
Replace Soffits	\$ 18,000.00	\$20,000.00
New LED Can Lights	\$ 4,000.00	\$5,000.00

Contingency	Contingency	\$0.00	\$0.00
TOTAL CONSTRUCTION (based on April 2017 dollars):		\$ 30,070.00	\$38,500.00

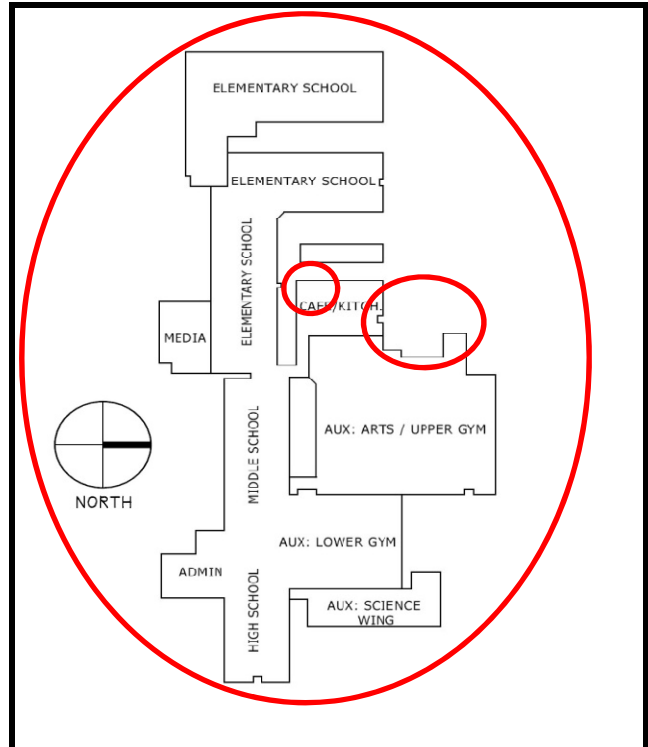


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MSD OF NEW DURHAM TOWNSHIP WESTVILLE SCHOOLS PHASE 1 PROJECT SUMMARIES

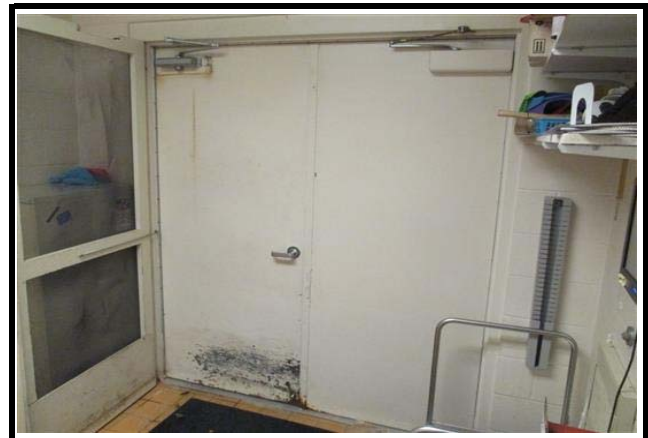
Replace Exterior Doors

Location:	Exterior Doors in Various Locations
Estimated Construction Cost:	\$53k - \$58k
Estimated A/E Fee:	Hourly
Disciplines Included:	Architectural
	Electrical
General Notes:	
Estimated Project cost is all inclusive.	
Electronic Security Sensors will confirm if doors are fully closed, notifying security if door are left open.	



Scope Summary:

1. Replace all "failed" exterior door systems - Doors #8, 8A, 8C, and 8D.
2. Add electronic security sensors to all doors. (Open/Closed)





MSD of New Durham Township Westville Schools Preliminary Probable Cost Estimate

Replace Exterior Doors

2016.0021
April 20, 2017

Viridian Architectural Design, Inc.
SCO Engineering, LLC

	Low	High
General Conditions	\$ 4,850.00	\$5,250.00
Replace Failed Door Systems	\$ 41,000.00	\$44,000.00
Add Electronic Safety Sensors	\$ 7,500.00	\$8,500.00

Contingency Contingency **\$0.00**

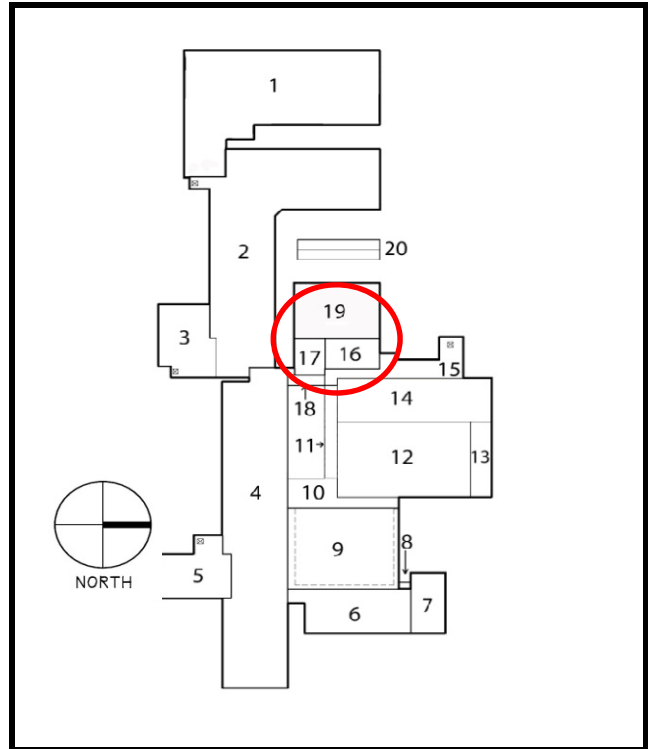
TOTAL CONSTRUCTION (based on April 2017 dollars): \$ 53,350.00 **\$57,750.00**



Westville Schools

MSD OF NEW DURHAM TOWNSHIP WESTVILLE SCHOOLS PHASE 1 PROJECT SUMMARIES

Replace Chiller	
Location:	Existing Location of Chiller at Roof
Estimated Construction Cost:	\$665k - \$814k
Estimated A/E Fee:	7.5%, \$49,875-\$61,050
Disciplines Included:	Architectural
	Mechanical
	Plumbing
	Electrical
	Structural
General Notes:	
Estimated Project cost is all inclusive.	



Scope Summary:
1. Replace existing chiller.
2. All associated architectural, structural, electrical, and mechanical work.





MSD of New Durham Township Westville Schools Preliminary Probable Cost Estimate

Replace Chiller

2016.0021
April 20, 2017

Viridian Architectural Design, Inc.
SCO Engineering, LLC

	Low	High
General Conditions	\$60,500.00	\$74,000.00
Remove and Replace Chiller	\$ 600,000.00	\$725,000.00
Repair and Prep Roof	\$ 5,000.00	\$15,000.00

Contingency Contingency **\$0.00**

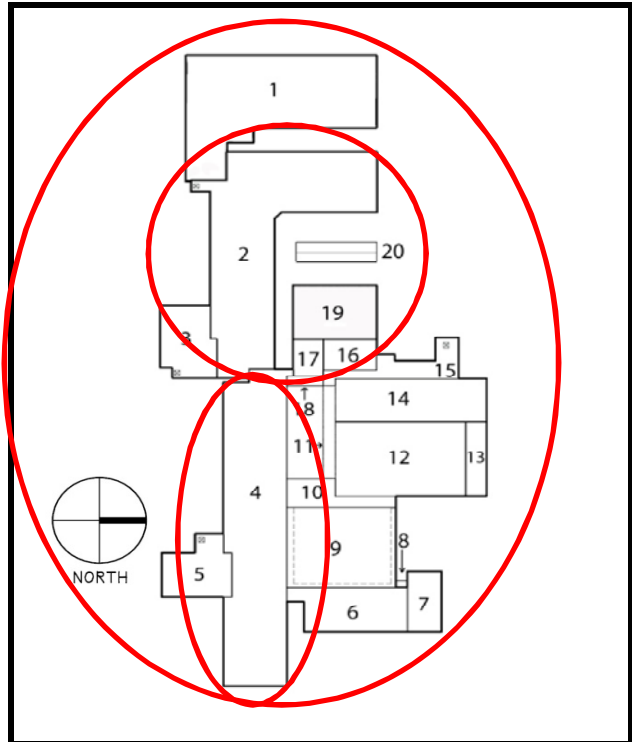
TOTAL CONSTRUCTION (based on April 2017 dollars):	\$ 665,500.00	\$814,000.00
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Westville Schools

MSD OF NEW DURHAM TOWNSHIP WESTVILLE SCHOOLS PHASE 1 PROJECT SUMMARIES

Miscellaneous Roof Repairs	
Location:	Roof in Various Locations
Estimated Construction Cost:	\$1.3mil+
Estimated A/E Fee:	7.5%, \$97,500+
Disciplines Included:	Architectural
	Mechanical
	Plumbing
	Electrical
	Structural
General Notes:	
Estimated Project cost is all inclusive. Failed roof sections: to be demolished. Poor Roof Sections: #2 and #4, replacement recommended.	



Scope Summary:
1. Repair roof as needed in various locations to improve drainage and minimize ponding.
2. Installation of properly designed coping, gutters, and equipment curbs.
3. Full replacement of roof section #2 and #4 including a new properly sloped and detailed roof design.





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Miscellaneous Roof Repairs

2016.0021
April 20, 2017

**Viridian Architectural Design, Inc.
SCO Engineering, LLC**

	<u>Minimum</u>
General Conditions	\$116,156.00
Repairs to Improve Drainage - Section 2	\$552,520.00
Repairs to Improve Drainage - Section 4	\$609,040.00
Miscellaneous Repairs Throughout	\$50,000.00

Contingency	Contingency	\$0.00
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TOTAL CONSTRUCTION (based on April 2017 dollars):	\$	-	\$1,327,716.00
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