Pine Valley Central School District

October 25, 2018





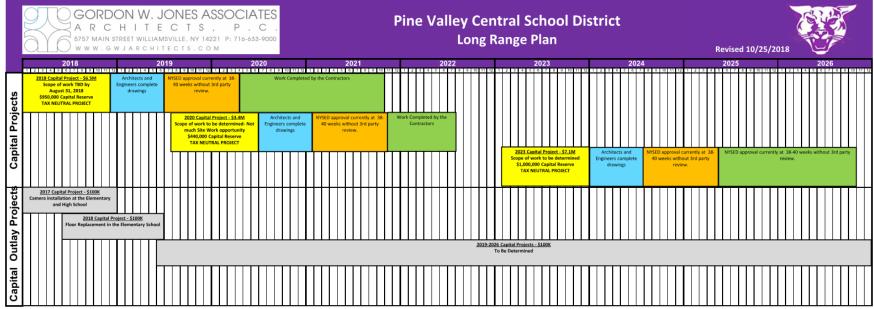
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Long Range Plan Development





The districts Long Range Plan was developed with the districts financial consultant Municipal Solutions, Inc. Future proposed Capital Projects were estimated utilizing an anticipated capital reserve. This anticipated capital reserve would help to offset the local share of the project in an effort to provide a nearly tax neutral project to the taxpayers. This Long Range Plan has allowed the district to forecast the funding and size of future reconstruction projects.

Municipal_______Solutions, Inc.

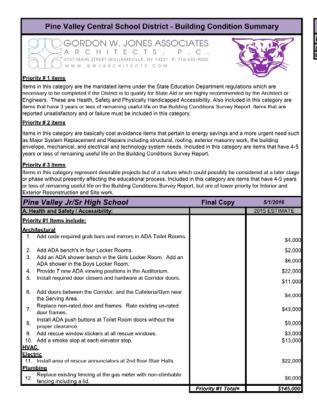
Municipal Financial Advisors







2015 Building Condition Survey



_	ILDING TOTALS	
	alth and Safety, Interior Reconstruction and Exterior Reconstruction)	2015 ESTIMATE
1.	Pine Valley Jr/Sr High School	\$2,121,000
2.	Pine Valley Elementary School	\$1,562,000
3.	Bus Garage	\$10,000
	Total 2015 Construction Estimate:	\$3,693,000
	Estimated Construction Contingency 5%: Estimated Design Contingency 5%:	\$184,650 \$184,650
	Construction Estimates with Contingency:	\$4,062,300
	Escalation 3%:	\$121,869
	Construction Estimates with Escalation:	\$4,184,169
	Incidentals 25%:	\$1,046,042
	ESTIMATED BOND AMOUNT:	\$5,230,211
	BOND AMOUNT:	\$5,300,000

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The 2015 Building Condition Survey Summary provided the foundation for the project during the initial development of the Scope of Work. This summary evaluated and prioritized each work item in terms of Health and Safety, Interior Reconstruction, and Exterior Reconstruction. Note: Program is not evaluated during Building Condition Survey as it is not part of the existing campus infrastructure.

The next Building Condition Survey that will be required by NYSED will occur in 2020. That survey will serve as the basis for the forthcoming projects. **CELEBRATING**

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GORDON W. JONES ASSOCIATES 5757 MAIN STREET WILLIAMSVILLE, NY 14221 P: 716-633-9000

Itemized Long Range Plan



Pine Valley Central School District: Itemized Long Range Plan

GORDON W. JONES ASSOCIATES A R C H I T E C T S , P . C . 5757 MAIN STREET WILLIAMSVILLE. NY 14221 P: 716-633-9000 W W W . G W J A R C H I T E C T S . C O M



euffalu Engineeming, p. c.



Jr-Sr High School			Revised 10/25/18	
	2018 CAPITAL PROJECT 6.5M	2019 CAPITAL PROJECT 3.4M	2023 CAPITAL PROJECT 7.1M	Work Not Included in any Project
Add code required grab bars and mirrors in ADA Toilet Rooms.	\$4,000	\$0	\$0	\$0
2. Add ADA bench's in four Locker Rooms.	\$2,000	\$0	\$0	\$0
Add an ADA shower bench in the Girls Locker Room. Add an ADA shower in the Boys Locker Room.	\$6,000	\$0	\$0	\$0
Provide 7 new ADA viewing positions in the Auditorium.	\$22,000	\$0	\$0	\$0
Install required door closers and hardware at Corridor doors.	\$11,000	\$0	\$0	\$0
Add doors between the Corridor, and the Cafeteria/Gym near the Serving Area.	\$4,000	\$0	\$0	\$0
 Install ADA push buttons at Toilet Room doors without the proper clearance. 	\$9,000	\$0	\$0	\$0
8. Install area of rescue annunciators at 2nd floor Stair Halls.	\$0	\$22,000	\$0	\$0
9. Install additional 15 cameras.	\$0	\$45,000	\$0	\$0
10. Replace the exterior doors to the Pool Chemical Storage Room.	\$10,000	\$0	\$0	\$0
11. Repair to Pool ceiling. It has a tar residue Dec-Mar. (Condensation/Heat)	\$0	\$336,000	\$0	\$0
12. Replace existing fencing at the gas meter with non-climbable fencing including a lid.	\$6,000	\$0	\$0	\$0
13. Repair damaged walls at various locations.	\$0	\$25,000	\$0	\$0
14. Install five additional roof ladders.	\$0	\$9,000	\$0	\$0
15. Replace DDC components and integrate to the latest controls.	\$366,000	\$0	\$0	\$0
16. Replace dust collector and relocate outside. (Dust collector is relocated in Wood Shop reconstruction)	\$0	\$0	\$0	\$198,000
17. Replace gym air handling units. Provide required exhaust for Science Storage Room.	\$198,000	\$0	\$0	\$0
18. Install air conditioning in the first floor data closet adjacent to Classroom 106.	\$22,000	\$0	\$0	\$0
19. Replace heating controls in the Main Office.	\$10,000	\$0	\$0	\$0
20. Replace Auditorium air handling unit.	\$127,000	\$0	\$0	\$0
21. Replace Nurses Office air handling unit.	\$72,000	\$0	\$0	\$0
22. Replace Band Room air handling unit.	\$77,000	\$0	\$0	\$0
23. Replace Fitness Room air handling unit.	\$0	\$83,000	\$0	\$0
24. Replace General Office air handling unit.	\$72,000	\$0	\$0	\$0
25. Replace two Science Room unit ventilators.	\$33,000	\$0	\$0	\$0
26. Replace three split systems.	\$50,000	\$0	\$0	\$0
27. Replace pool area electrical panel with unit rated for a pool environment.	\$0	\$20,000	\$0	\$0
28. Install a plaster trap in the Art Room sink.	\$2,000	\$0	\$0	\$0
29. Replace existing water heaters with two high efficiency units.	\$0	\$83,000	\$0	\$0
 Replace gym wall padding and install new padding along the east wall which is currently unprotected. 	\$0	\$16,000	\$0	\$0
31. Replace rotting pans at the main entrance stairway at the Athletic Entrance.	\$0	\$66,000	\$0	\$0

Next an Itemized Long Range Plan was developed with the district. This took all of the prioritized work items in the Building Condition Summary, and listed them by building. Program elements were also included in this plan, which were important for the district to maintain and enhance the current curriculum.





Itemized Long Range Plan



Pine Valley Central School District: Long Range Plan

GORDON W. JONES ASSOCIATES
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5757 MAIN STREET WILLIAMSVILLE, NY 14221 P: 716-633-9000
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BUILDING TOTALS				Revised 10/25/18
	2018 CAPITAL PROJECT 6.5M	2019 CAPITAL PROJECT 3.4M	2023 CAPITAL PROJECT 7.1M	Work Not Included in any Project
1. Jr-Sr High School	\$3,077,000	\$1,862,000	\$0	\$7,175,000
2. Elementary School	\$1,593,000	\$392,000	\$0	\$2,614,000
3. Bus Garage	\$0	\$35,000	\$0	\$0
4. Water Treatment Building	\$0	\$0	\$0	\$518,000
Total Estimated Construction Value:	\$4,670,000	\$2,289,000	\$0	\$10,307,000
Estimated 5% Construction Contingency:	\$233,500	\$114,450	\$0	\$515,350
Estimated 5% Design Contingency:	\$233,500	\$114,450	\$0	\$515,350
Total:	\$5,137,000	\$2,517,900	\$0	\$11,337,700
Escalation 3% per year:	\$154,110	\$75,537	\$0	\$355,671
Total:	\$5,291,110	\$2,593,437	\$0	\$11,693,371
Estimated 21% Incidental Costs:	\$1,111,133	\$544,622	\$0	\$2,455,608
Estimated Bond Amount	\$6,402,243	\$3,138,059	\$0	\$14,148,979
Rounded Bond Amount:	\$6,500,000	\$3,200,000	\$0	\$14,200,000

Each work item was then slotted into one of the three proposed Capital Projects identified in the Long Range Plan Development. The Facilities Committee worked with the architect and engineers to prioritize and identify all of the necessary mechanical repair items that would need to be completed before the next Capital Project Vote which is potentially in 2019. Note even with the 2018 Capital Project Vote, physical construction within the building will not likely occur until the summer of 2020. Further planning and development of the subsequent projects will occur once the current 2018 is approved by the voters.









2018 Capital Project Timeline \$6,500,000 PINE VALLEY CENTRAL SCHOOL DISTRICT **REVISED 10/25/18**

Approval of Capital Project Scope of Work by BOE Thursday Sept 20, 2018

Official Board of Education Bond Resolution Vote Date with SEQRA

SEQRA Review Process (Approximately 30 days)

determination Thursday October 25, 2018

45 Day minimum requirement for Bond Resolution Advertisement

Thursday October 25 – Tuesday December 18, 2018

Public Referendum on Bond Issue

Tuesday December 18, 2018

Monday October 22, 2018

Preparation of Final Plans and Specifications December 18, 2018-June 28, 2019

Submission of Plans and Specifications to S.E.D. Friday June 28, 2019

Review of Plans and Specifications by S.E.D. (Estimated 42 weeks without 3rd

Party Review) June 28, 2019 - April 3, 2020

Estimated 2 Week Approval Process (2 weeks) April 3, 2020- April 17, 2020

Preparations of Bids by Contractors (4 weeks) April 17, 2020 - May 19, 2020

Projected Bid Opening Tuesday May 19, 2020

Projected Construction Start

Summer 2020





2018 Capital High School Project Scope













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ine Valley Jr/Sr High School	Date: 10/25/20
. Add code required grab bars and mirrors in ADA Toilet Rooms.	\$
Add ADA hongh's in four Locker Rooms	¢

2.	Add ADA bench's in four Locker Rooms.	\$2,000
3.	Add an ADA shower bench in the Girls Locker Room. Add an ADA shower in the Boys Locker Room.	\$6,000
4.	Provide 7 new ADA viewing positions in the Auditorium.	\$22,000
5.	Install required door closers and hardware at Corridor doors.	\$11,000
6.	Add doors between the Corridor, and the Cafeteria/Gym near the Serving Area.	\$4,000
7.	Install ADA push buttons at Toilet Room doors without the proper clearance.	\$9,000
8.	Replace the exterior doors to the Pool Chemical Storage Room.	\$10,000

9.	Replace existing fencing at the gas meter with non-climbable fencing including a lid.	\$6,00
10.	Replace DDC components and integrate to the latest controls.	\$366,00
11.	Replace gym air handling units. Provide required exhaust for Science Storage Room	\$198,00

12.	Install air conditioning in the first floor data closet adjacent to Classroom 106.	
13.	Replace heating controls in the Main Office.	

14.	Replace Auditorium air nandling unit.
15.	Replace Nurses Office air handling unit.
16.	Replace Band Room air handling unit.
17.	Replace General Office air handling unit.
18.	Replace two Science Room unit ventilators.

Install a plaster trap in the Art Room sink. Install new exterior aluminum doors and frames. Doors at Bottom of Ramp and adjacent to classroom 106. Repair of stairs in the west side exterior near the LGI. Masonry Restoration and sealant. (new gym/ lobby)	Replace three split systems.
Bottom of Ramp and adjacent to classroom 106. Repair of stairs in the west side exterior near the LGI.	Install a plaster trap in the Art Room sink.
Masonry Restoration and sealant. (new gym/ lobby)	Repair of stairs in the west side exterior near the LGI.
	Masonry Restoration and sealant. (new gym/ lobby)

4.	Install a new concrete pad at the exterior doors of the pool per code.
5.	Install a handrail at the north end of the gym at the exit doors (a

20.	install new hardwired phone/lax lines.
27.	Regrade the Soccer/ Football Field, install drainage and sod.

Pin	Pine Valley Jr/Sr High School (continued)				
28.	Provide additional drainage at the Varsity Baseball field.		\$200,000		
29.	Install four new LED lights and poles at the existing Track/ Athletic Field.		\$308,000		
30.	Reconstruction of existing CAD Lab, Maker Space, Wood Shop, Paint Room, Dust Collector, Maple Processing.		\$505,000		
31.	Greenhouse/Innovation Lab.		\$367,000		
32.	Add a new Buildings and Grounds office to existing receiving area.		\$60,000		
	Total Pine Valle	y Jr/Sr High School=	\$3,077,000		

Mechanical reconstruction of existing equipment is extensive at the High School. Most of existing single walled mechanical units are over 20 years old. These existing units had an expected useful life of approximately 15-20 years. Then new mechanical units will be double walled, and would have an expected useful life of 25-30 years. Also included in this project is the replacement of obsolete mechanical equipment controllers and the updating all software and graphics.





\$505,00

\$10,000 \$127,000

\$72,000



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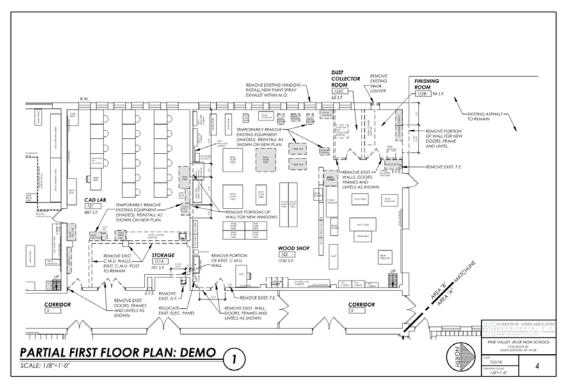
Maple Processing/CAD Lab Instruction Space





Current Maple Processing Area within HS Shop





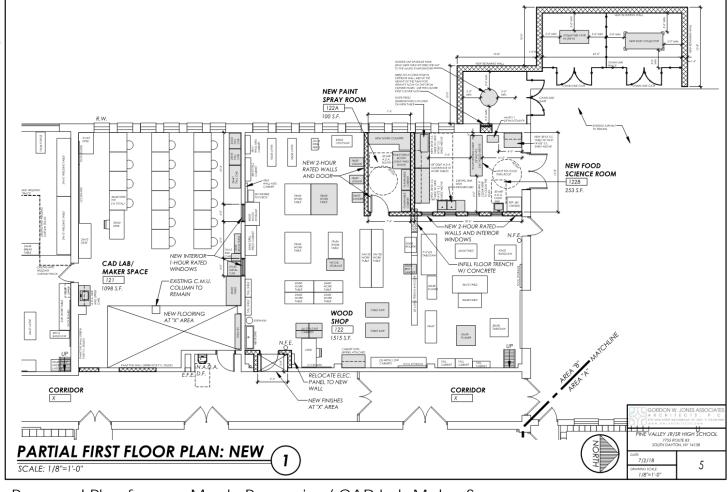
Proposed Demo Plan of existing Wood Shop

Current Maple Processing Shed





Maple Processing Cad Lab/ Maker Instruction Space

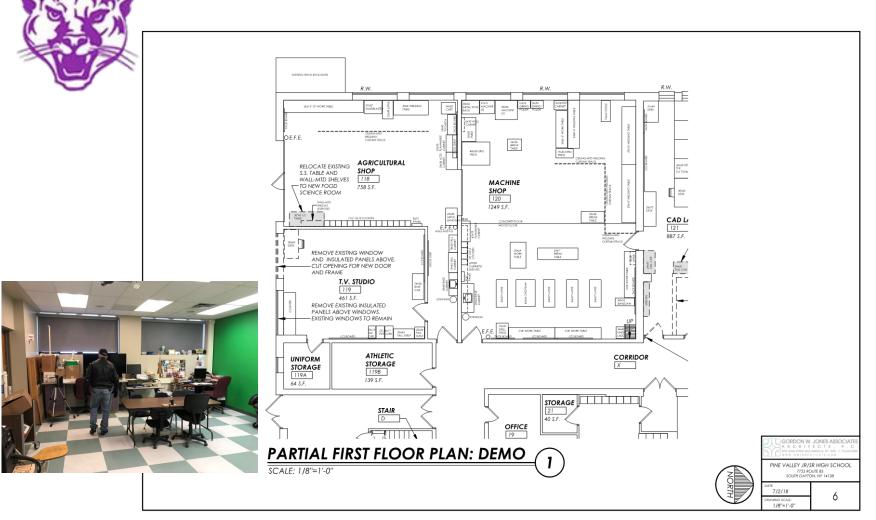


Proposed Plan for new Maple Processing/ CAD Lab Maker Space





Green House Addition/Instruction Space



Demo Plan of existing TV studio









Green House Addition/Instruction Space

Greenhouse Proposal

Justification: As the world population expands to 9 billion by 2050, where will our food come from?

Agricultural greenhouses are the simple answer with year round growing potential. With our diverse agriculture here in Chautauqua County, the addition of a greenhouse to the Pine Valley Agricultural Curriculum seems like a perfect fit and great way to get students excited about their future. Growing food that satisfies the taste buds after hours of caring for those once tender seedlings is rewarding and a skill that is not easily forgotten. Listed below are some potential ideas for a year-round greenhouse utilization here at

Pine Valley Central School.

September Start Perpetual Salad (PS) planting; Start Cucumbers and Tomatoes (C&M) project;

Poinsettia cuttings started

October Cut and maintain PS plantings; light & soil labs; Sweetest Day Floral Project;

transport C&M and Poinsettias

November Cut and maintain PS; Trim C&M and Poinsettias; Plant exploration project for end-of-

school Plant Science Fair (now till May)

December Cut and maintain PS; C&M production; Christmas Wreaths & Poinsettias

January Cut and maintain PS; C&M finished; Sweet Potato propagation; Start Annual Flowers

February Cut and maintain PS; Start vegetable plants for sale & for use in Community Gardens;

Valentine's Day Flower arrangement; Transport Annuals

March Cut and maintain PS; Start latter vegetable plants for sale & for use in Community

Gardens

April Cut and maintain PS; Transport plants for Community Gardens

May Cut and maintain PS; Plant Community Gardens and Restart Seedlings for Summer

Enrichment program; Complete final parts of plant science exploration project

June Plant Science Fair; Clean up greenhouse; prep for Summer; Pick & Maintain

July & August Summer Enrichment Activities and Community Gardens

REPEAT!

Proposed Curriculum for Greenhouse Addition. Note Green houses are NOT normally aid able by NYSED. In this case however we lobbied the decision makers at NYSED that this curriculum was critical to the development of the students. They in this special case granted us the aid on the addition moving forward. This approval is based on the statement of use proposal provided by the district

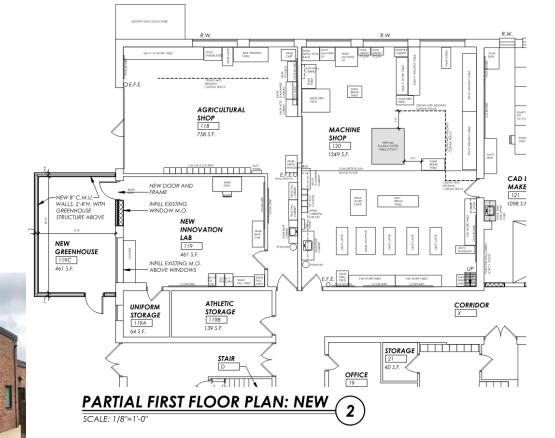
Proposed Plan of New Green House addition

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Green House Addition/Instruction Space





Existing Façade at Proposed Greenhouse Addition Proposed Plan of New Green House addition

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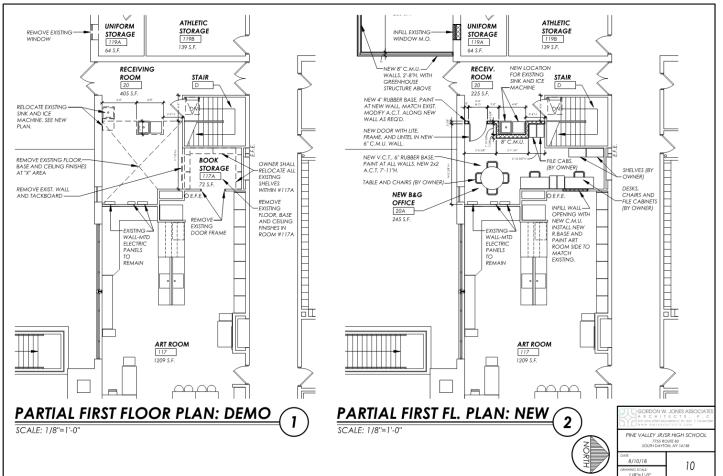
GORDON W. JONES ASSOCIAT

PINE VALLEY JR/SR HIGH SCHOOL

Buildings and Grounds Office Relocation



The current **Buildings** and Grounds office is located within the heart of the Elementary School. This relocation is required to limit the interaction of students with vendors and outside contractors who have business with the district.



Proposed Buildings and Grounds reconstruction





2018 Capital Elementary School Project Scope

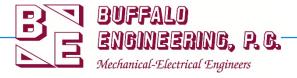


Mechanical reconstruction of existing equipment is extensive at the Elementary School. Most of existing single walled mechanical units are over 20 years old. These existing units had an expected useful life of approximately 15-20 years. Then new mechanical units will be double walled, and would have an expected useful life of 25-30 years. Also included in this project is the replacement of obsolete mechanical equipment controllers and the updating all software and graphics.





Din	e Valley Elementary School	
33.	Add code required grab bars and mirrors in ADA Toilet Rooms.	\$3,000
	Add ADA bench's in Boys and Girls Locker Rooms.	\$1,000
	Add an ADA shower bench in the Girls Locker Room. Replace stainless steel rolling shutter with ADA rated rolling	\$1,000
36.	shutter and tie into fire alarm.	\$17,000
37.	Provide ADA toilet facilities in Girls and Boys Locker Room.	\$14,000
38.	Ceiling Replacement in the Kitchen to meet code.	\$18,000
39.	Install ADA push buttons at Toilet Room doors without the proper clearance.	\$9,000
40.	Replace missing gym wall padding.	\$1,000
41.	Replace original air handling units. Replace original exhaust fans.	\$561,000
42.	Add additional heat in the Boiler Room.	\$14,000
43.	Replace DDC components and integrate to the latest controls.	\$374,000
44.	Replace the RTU's in Room 1 & Room 5.	\$99,000
	Replace three misc. split systems.	\$50,000
46.	Replace original piping sectional shut-off valves.	\$9,000
47.	Replace existing grease trap and install floor drain at kitchen 3- Bay sink.	\$17,000
48.	Locker Room fixtures are in poor condition & should be replaced. Install emergency eye wash in Boiler Room.	\$17,000
49.	Ceiling Replacement in Locker Rooms and Storage Room 19D.	\$17,000
50.	Install new exterior aluminum doors and frames at the Cafeteria.	\$7,000
51.	Install a new concrete pad at the Gymnasium and Stage exterior doors per code.	\$3,000
52.	Provide two ramps at the exterior doors for ADA access to the courtyard.	\$33,000
53.	Replace existing secondary service feeders.	\$28,000
54.	Install a new roof hatch, and safety rail from Storage Room 137.	\$3,000
55.	Relocate existing Business Office into existing Classrooms 15 & 17. Install corridor doors to limit direct access into the building.	\$271,000
56.	Former Business Offices: Paint walls, and replace existing ceilings.	\$26,000
	Total Pine Valley Elementary School=	\$1,593,000



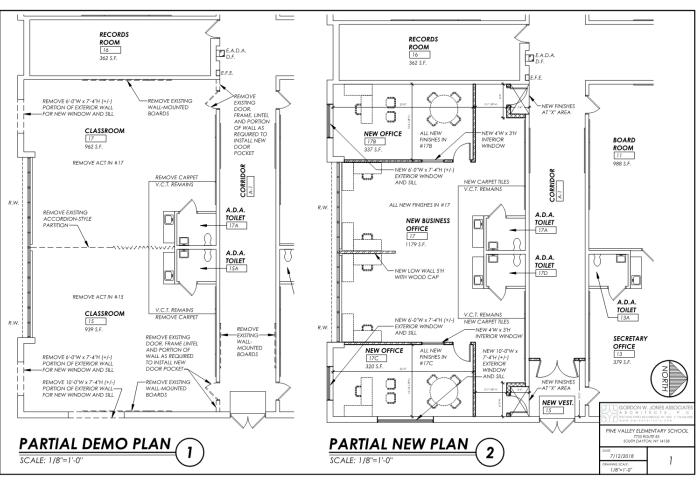




Business Office Relocation



The current **Business Office is** located within the center of the Elementary School. Relocation of the **Business Office to** the classrooms adjacent to the District Office will provide a more secure environment for students within the building. People who have business with the district office or business office will no longer be able to access the school interior without authorization.



Proposed Business Office Relocation

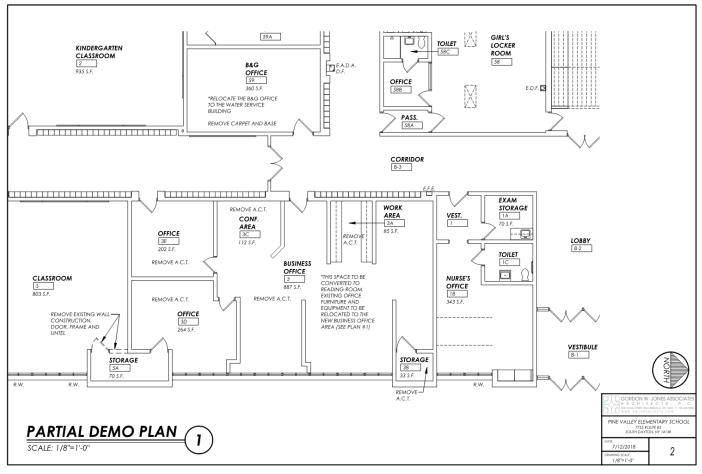




Business Office/ Buildings and Grounds Relocation



With the relocation of the Business Office and Buildings and Grounds Office, the former spaces will remain. Note a portion of the Storage in Classroom 5 will be removed to install a new ADA Toilet.



Former Business office and Buildings and Grounds Office.



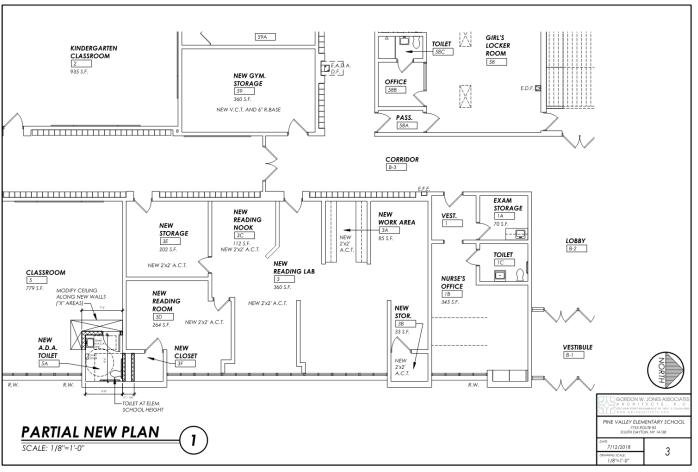


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Reading Lab / Gym Storage / ADA Toilet Reconstruction



The former
Buildings and
Grounds Office will
become Gym
Storage. The
former Business
Office will become
a New Reading
Area. The existing
room layout will
remain. Note the
new ADA Toilet
created in
Classroom 5.



Proposed New Reading Rooms, Gym Storage, and ADA Toilet





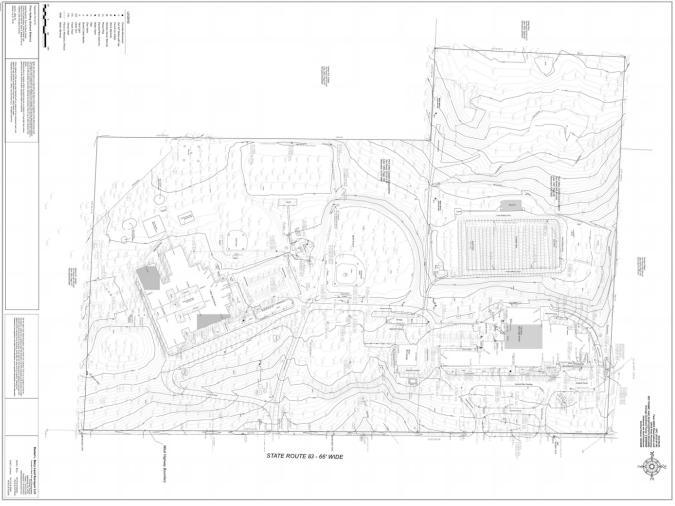
as a means to

undertakings.

accurate

Recently Completed Site Survey

A new site survey was completed this past summer provide for the estimation and development of future site work







Proposed Site Work



Site work will occur primarily at the Varsity Baseball Field, and 70 yard Soccer Field. Additional field drainage will be installed for baseball, and the soccer field will be regraded. New LFD site lighting will be installed at the Soccer/Track area. The lights will be positioned to allow for the future installation of a new track.



2018 CAPITAL PROJECT - PROPOSED SITE WORK





PINE VALLEY JRISK HIGH SCHOOL
7758 ROUTE BASTON NY 14138

10/25/18 DRAWING SCALE: NTS

SITE







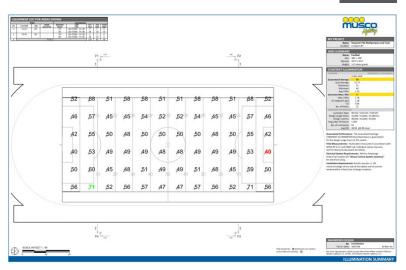
Existing field lighting with an example of a new LED pole.

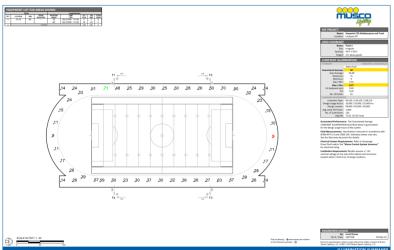




Field Lighting Replacement

Existing site lighting would be removed and relocated to allow for the installation of the new 70 yard soccer field. New energy efficient LED lighting would be installed to safely illuminate the new field layout.





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Capital Project Vote: Tuesday December 18, 2018

Capital Project Summary

Pine Valley Central School District - 2018 Capital Project BUILDING TOTALS			
Pine Valley Jr/Sr High School		\$3,077,000	
2. Pine Valley Elementary School		\$1,593,000	
3. Bus Garage		\$0	
4. Water Treatment Building		\$0	
	Total 2015 Construction Estimate:	\$4,670,000	
	Estimated Construction Contingency 5%: Estimated Design Contingency 5%:	\$233,500 \$233,500	
	Construction Estimates with Contingency:	\$5,137,000	
Note there is no	Escalation 3%:	\$154,110	
work schedule to	Construction Estimates with Escalation:	\$5,291,110	
occur at the Bus Garage or Water	Incidentals 21%:	\$1,111,133	
Treatment Building.	ESTIMATED BOND AMOUNT:	\$6,402,243	
ballallig.	BOND AMOUNT:	\$6,500,000	





October 25, 2018

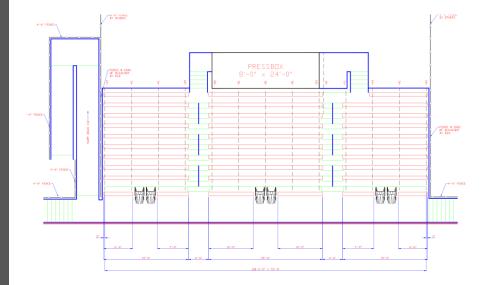
Site Planning for 2023 Capital Project



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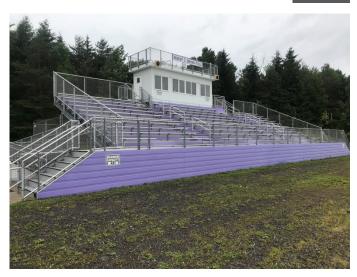






The existing Bleachers were supplied by E&D Specialty Stands from North Collins NY and were installed in 2008. Seating Capacity is 399 persons. The estimated cost to relocate the existing system, and reconstruct the system would by \$110,000.

Existing Bleacher Criteria

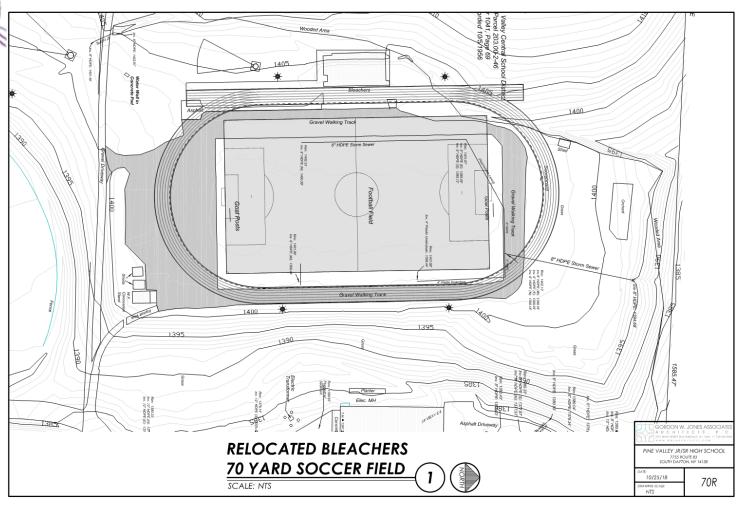








2023 Capital Project Track Reconstruction



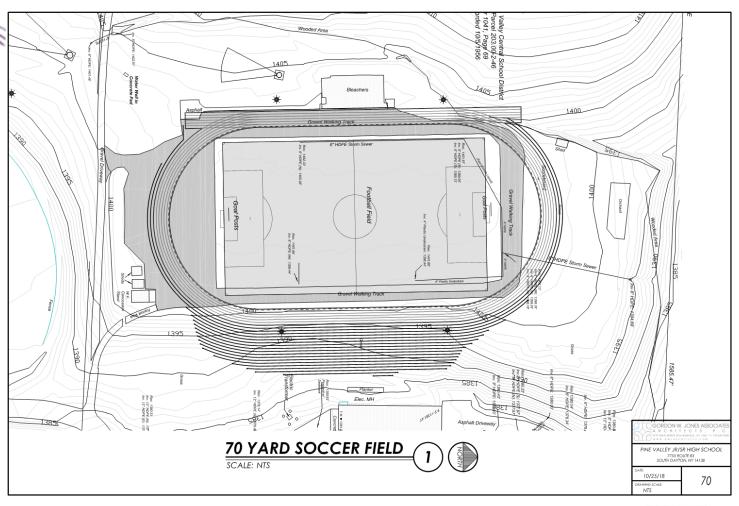
Relocation of existing bleacher system back west toward the woods.



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2023 Capital Project Track Reconstruction



Hold existing bleacher system and regrade the field east toward the High School.





