



Iroquois Central School District

2020 Capital Improvement Project

August 26, 2020

- Capital Project Planning Process
- Project Focus Areas
- Scope of Work
- Potential Timeline
- Financing Plan
- Vote Information

Agenda

Iroquois Central School District

- **Community recommendations**
- **Assembled project planning team**
- **Building Condition Survey**
 - Identified, organized and prioritized needs
 - Estimated costs of identified items
- **Community discussion**
- **Evaluated "wants" vs. "needs"**
 - Identified **Project Focus** areas
 - Researched various options
 - Weighed costs vs. benefits
 - Continued feedback from community and administration
- **Project financing goal: *No Tax Impact!***



Capital Project Planning Process

Iroquois Central School District



District Educational Programs



Health, Safety & Accessibility



Mandatory Code Requirements



Site Reconstruction



Building Reconstruction

Project Focus

Iroquois Central School District



District-Wide Improvements

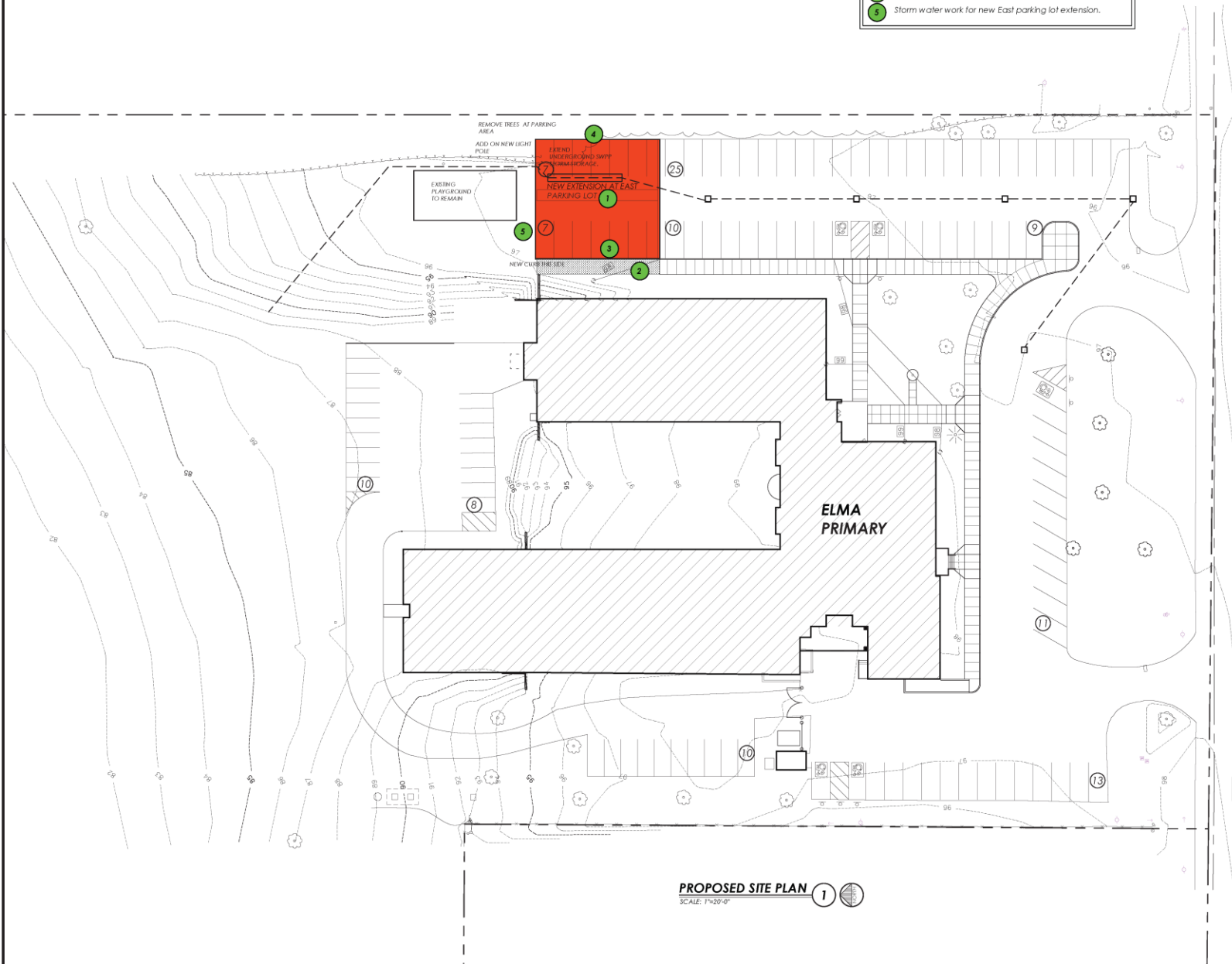
- Replace public address system and clocks
- Install blue light emergency notification system



Elma Primary

- Replace public address system and clocks
- Install blue light emergency notification system
- Parking lot expansion including asphalt paving, sidewalks, curbing, site lighting, and storm drainage
- Install air-conditioning in cafeteria

- Site Items:**
- 1 New parking lot extension to East parking lot.
 - 2 New concrete walk for new East parking lot extension.
 - 3 New concrete curb for new East parking lot extension.
 - 4 New site lighting for new East parking lot extension.
 - 5 Storm water work for new East parking lot extension.



<p>APPROVED ARCHITECTURAL AND ENGINEERING DESIGN FOR THE PROPOSED ELMA PRIMARY SCHOOL AND PARKING EXPANSION PROJECT.</p>															
<p>PROJECT NO. 16-001-004-001-001</p>	<p>DATE: 10/11/2016</p>														
<p>DESIGNED BY: GORDON W. JONES ASSOCIATES ARCHITECTS, P.C.</p>	<p>DATE: 10/11/2016</p>														
<p>PROJECT CONTROL NUMBER: 16-001-004-001-001</p>	<p>DATE: 10/11/2016</p>														
<p>ELMA PRIMARY SITE PARKING INFORMATION :</p> <table border="1"> <tr> <td>Total Site Acreage</td> <td>: 38 Acres</td> </tr> <tr> <td>Existing Parking Spaces</td> <td>: 96</td> </tr> <tr> <td>New Parking Spaces</td> <td>: 114</td> </tr> <tr> <td>Total Parking Spaces</td> <td>: 210</td> </tr> <tr> <td>Total ADA Parking Spaces (Required)</td> <td>: 5</td> </tr> <tr> <td>Existing ADA Parking Spaces</td> <td>: 3</td> </tr> <tr> <td>New ADA Parking Spaces</td> <td>: 2</td> </tr> </table>		Total Site Acreage	: 38 Acres	Existing Parking Spaces	: 96	New Parking Spaces	: 114	Total Parking Spaces	: 210	Total ADA Parking Spaces (Required)	: 5	Existing ADA Parking Spaces	: 3	New ADA Parking Spaces	: 2
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<p>GORDON W. JONES ASSOCIATES ARCHITECTS, P.C. 1010 MAIN STREET, BELLINGHAM, WA 98225 WWW.GWJARCHITECTS.COM</p>															
<p>IROQUOIS CENTRAL SCHOOL DISTRICT 2111 GIRDLER ROAD, ELMA NY 14059</p>															
<p>ELMA PRIMARY 711 RICE ROAD, ELMA, NY 14059</p>															
<p>PROJECT CONTROL NUMBER: 16-001-004-001-001</p>															
<p>ELMA PRIMARY PROPOSED SITE PLAN</p>															

Elma Primary Parking Expansion

PROPOSED SITE PLAN 1
 SCALE: 1"=20'-0"

IROQUOIS CENTRAL SCHOOL DISTRICT PROJECT - PROPOSED ELMA PRIMARY SCHOOL AND PARKING EXPANSION



Marilla Primary

- Replace public address system and clocks
- Install blue light emergency notification system
- Hot water heater replacement and new recirculation piping
- Install air-conditioning in cafeteria
- Renovations in the kitchen/cafeteria fire safety wall
- Existing parking lot reconstruction work including asphalt paving, sidewalks, curbing, site lighting, and storm drainage
- Installation of solar panels on the roof

- Site Items:**
- 1 Bus loop, parking area and drive area.
 - 2 Concrete walk at bus loop drive area.
 - 3 Concrete ramp to replace concrete steps.
 - 4 Concrete curb bus loop drive area.
 - 5 Concrete gutter at drive area near road.
 - 6 Site lighting work at bus loop drive area.
 - 7 Miscellaneous Sitework and flag-pole.



Marilla Primary

Parking Lot Reconstruction

GORDON W. JONES ASSOCIATES
ARCHITECTS, P.C.
101 MAIN STREET, WASHINGTON, NY 13155-3000
WWW.GWJARCHITECTS.COM

IROQUOIS CENTRAL
SCHOOL DISTRICT
2111 GIRDLER ROAD, ELMA NY 14059

MARILLA PRIMARY
1383 BULLIS ROAD, MARILLA, NY 14102

PROJECT CONTROL NUMBER: 16-1301064-000-000

MARILLA PRIMARY
PROPOSED
SITE PLAN

Marilla Primary Solar Panels



PV SYSTEM SUMMARY

TOTAL STC DC SYSTEM SIZE	231.12 kW
SOLAR MODULE MODEL	CANADIAN SOLAR DC
SOLAR MODULE STC DC RATING	360 W
SOLAR MODULE INFO	78.7" x 39.1" x 1.57", 49.8lbs
SOLAR MODULE COUNT	642
RACKING SYSTEM	DYNORAXX EVOLUTION FR
PITCH OF ARRAY	10°
INVERTER MODEL	1 x SE20KUS, 1 x SE30KUS, 4 x SE33.3KUS w/ 321 x SE P800p DC OP
ARRAY AZIMUTH	148°, 178°
EAVE HEIGHT	12', 18', 22'
INTERCONNECTION VOLTAGE	TBD

LEGEND

- UNSHADED SOLAR MODULE
- SHADED SOLAR MODULE
- MIXED ORIENTATION SOLAR MODULE
- INVERTER
- EASY TO READ METER
- AC COMBINER BOX
- UTILITY METER
- MAIN BREAKER PANEL
- ELECTRICAL TRENCH
- VENTING AND PATHWAYS
- GROUND ACCESS AREA

2 PV SYSTEM OVERVIEW
Scale: N.T.S.



General Notes

THE INSTALLATION OF PV SYSTEM SHALL BE IN ACCORDANCE WITH THE MOST RECENT NATIONAL ELECTRIC AND BUILDING CODES AND STANDARDS, AS AMENDED BY JURISDICTION

ELECTRICAL STAMP AREA

THIS INFORMATION IS CONFIDENTIAL AND PROPRIETARY TO SOLAR LIBERTY ENERGY SYSTEMS. NO RELEASED OR REUSE WITHOUT ANYONE UNLESS THERE IS A WRITTEN APPROVAL FROM SOLAR LIBERTY.

Rev	Revision/Issue	Date
0	Original Site Plan	11/06/19

SOLARLIBERTY
THE FUTURE OF ENERGY INDEPENDENCE

6500 Sheridan Drive
Suite 120
Buffalo, NY 14221
866-80-RENEW

NABCEP CERTIFIED
PV Installation Professional

Project Name and Address

Marilla Primary School
11683 Bullis Rd
Marilla, NY 14102

Drawn By CR	Checked By CP
Date 11/06/2019	Date 11/06/2019
Scale AS NOTED	Sheet PV-S1

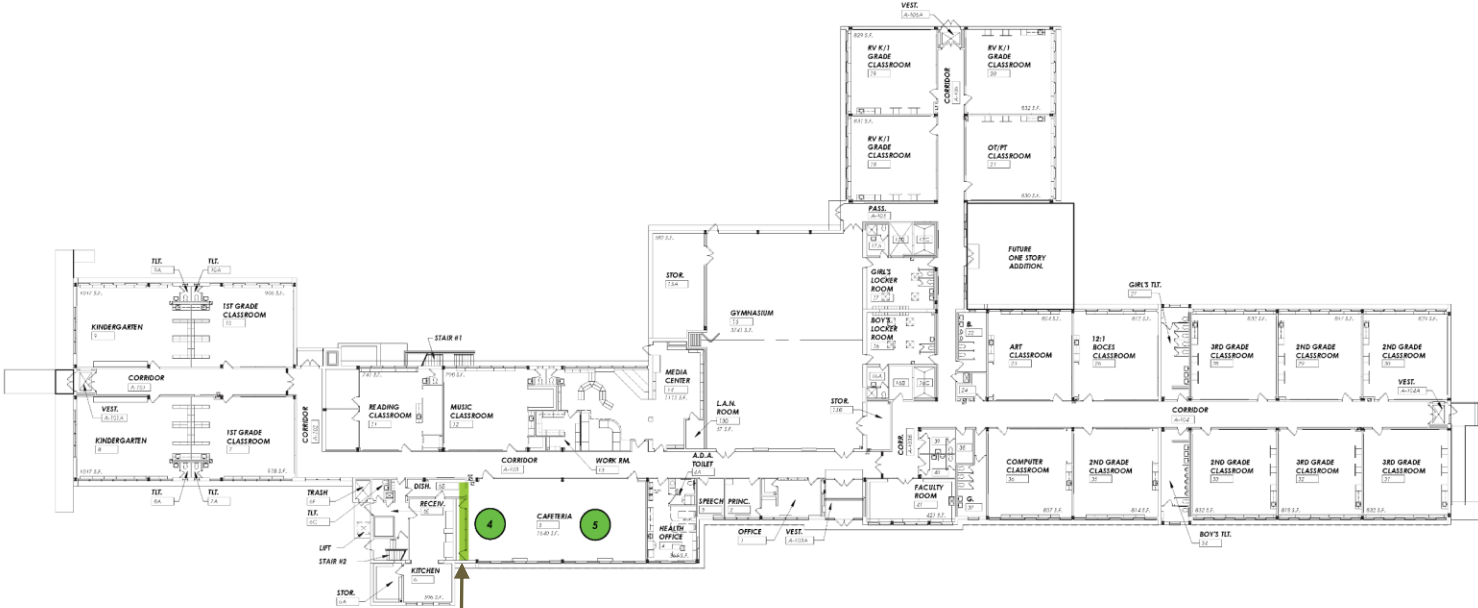


Wales Primary

- Replace public address system and clocks
- Install blue light emergency notification system
- Hot water heater replacement and new recirculation piping
- Install air-conditioning in cafeteria
- Renovations in the kitchen/cafeteria fire safety wall
- Replace gas piping to existing emergency generator

Wales Primary First Floor

- Renovation Items:**
- 1 Replace hot water heater
 - 2 Replace hot water recirculation piping.
 - 3 Replace natural gas piping to existing emergency generator.
 - 4 Reconstruct Kitchen/Cafeteria glass wall.
 - 5 Cafeteria A/C System (No ductwork modifications of existing system).
 - 6 Replace P/A System.
 - 7 Blue Light System.



Fire Safety Wall

**PROPOSED OVERALL
FIRST FLOOR PLAN**
SCALE: 1"=16'-0"

GORDON W. JONES ASSOCIATES
ARCHITECTS, P.C.
210 MAIN STREET, SUITE 300, EAST AURORA, NY 14052
WWW.GWJARCHITECTS.COM

**IROQUOIS CENTRAL
SCHOOL DISTRICT**
2111 GIRLE ROAD, ELMA NY 14059

WALES PRIMARY
4650 WOODCHUCK ROAD, EAST AURORA, NY 14052

PROJECT CODE: 14052-001

WALES PRIMARY
PROPOSED
1ST FLOOR PLAN

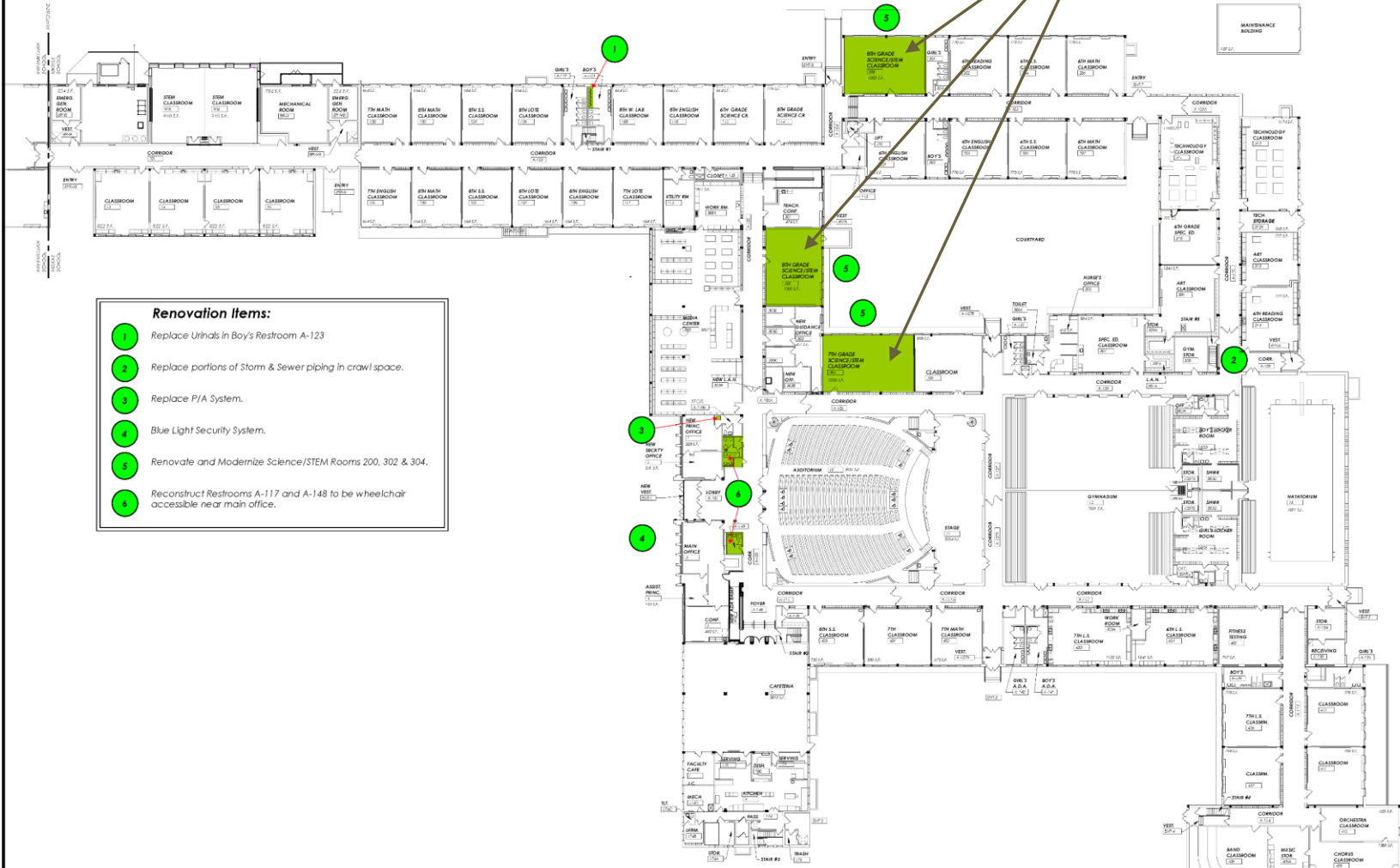
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Middle School

- Replace public address system and clocks
- Install blue light emergency notification system
- STEM/science classroom renovations/upgrades
- Replacement of bathroom urinals
- Replacement of storm and sewer piping
- ADA compliance renovations to restrooms near main office
- Roof replacements
- Installation of solar panels on the roof

STEM/Science Rooms



- Renovation Items:**
- 1 Replace Urinals in Boy's Restroom A-123
 - 2 Replace portions of Storm & Sewer piping in crawl space.
 - 3 Replace P/A System.
 - 4 Blue Light Security System.
 - 5 Renovate and Modernize Science/STEM Rooms 200, 302 & 304.
 - 6 Reconstruct Restrooms A-117 and A-148 to be wheelchair accessible near main office.

PROPOSED OVERALL
FIRST FLOOR PLAN
SCALE: 1/4"=20'-0"

GORDON W. JONES ASSOCIATES ARCHITECTS, P.C.	
DATE: 7/31/2020	PROJECT: IROQUOIS MIDDLE SCHOOL
BY: GORDON W. JONES	CHECKED: GORDON W. JONES

GORDON W. JONES ASSOCIATES
ARCHITECTS, P.C.
2111 GIRDLER ROAD, ELMA, NY 14059
WWW.GWJARCHITECTS.COM

IROQUOIS CENTRAL SCHOOL DISTRICT
2111 GIRDLER ROAD, ELMA, NY 14059

IROQUOIS MIDDLE SCHOOL
2111 GIRDLER ROAD, ELMA, NY 14059

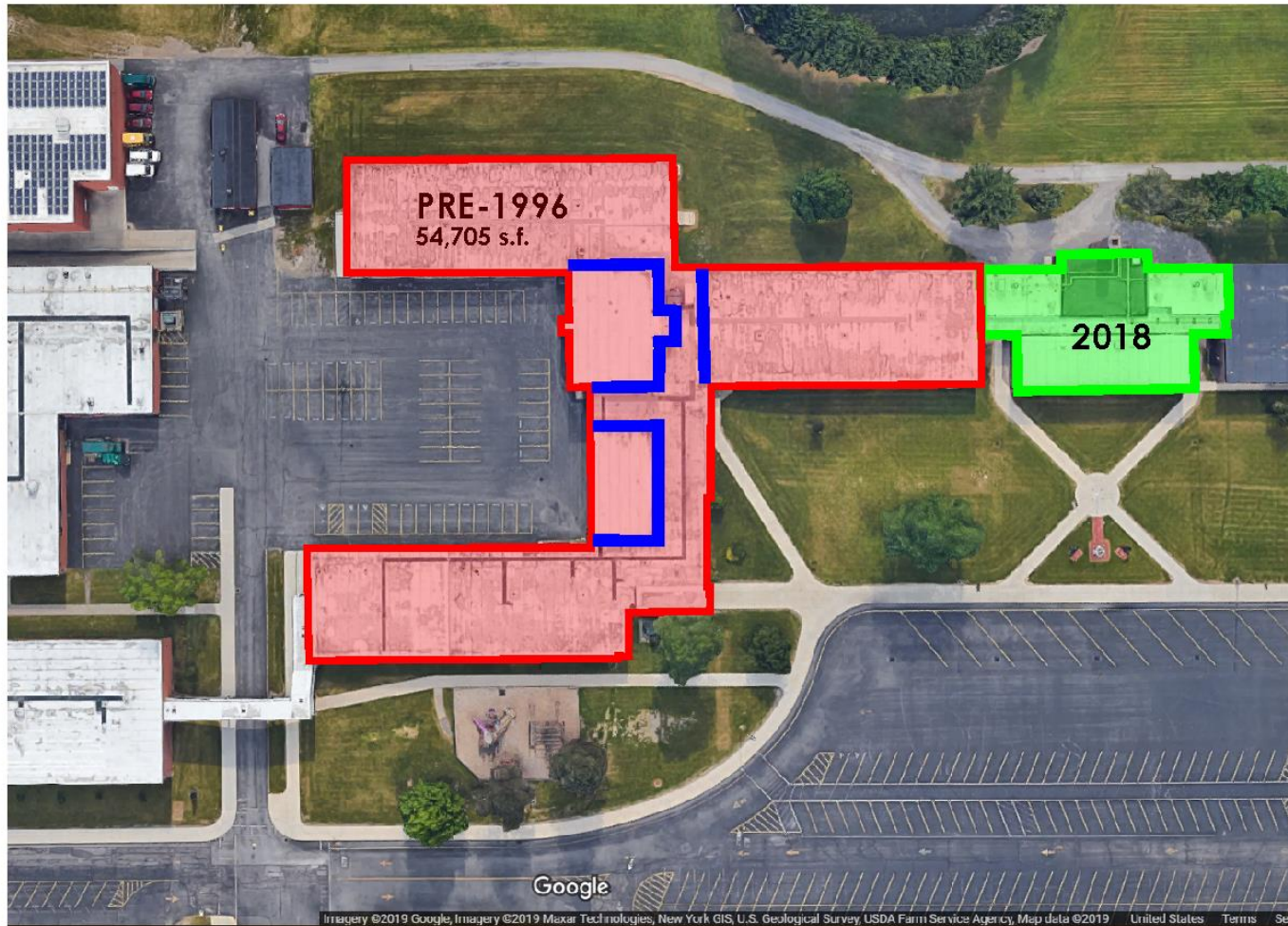
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
IROQUOIS MIDDLE SCHOOL
PROPOSED
1ST FLOOR PLAN

Middle School First Floor

Middle School

Roof Work

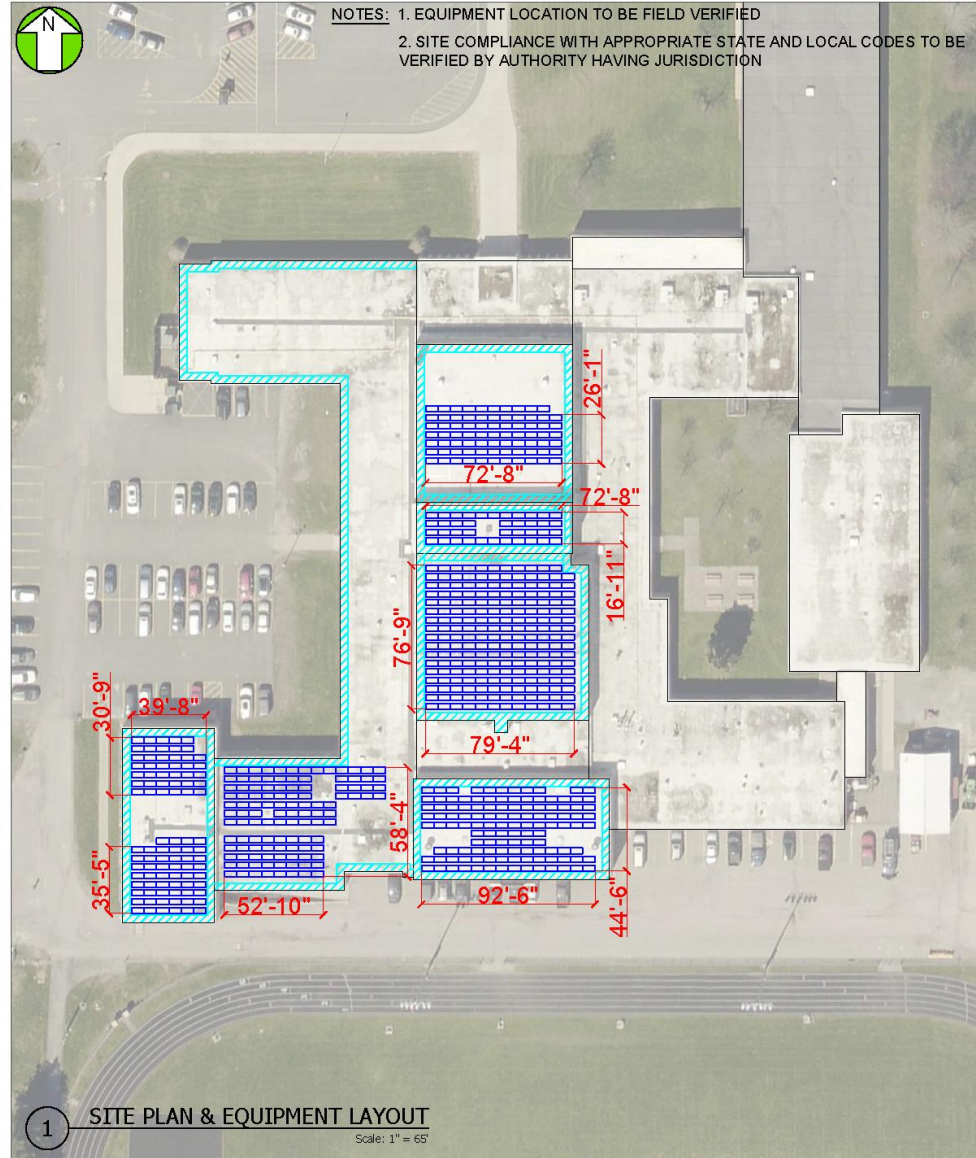


-  PROPOSED AREAS OF ROOFING TO BE REPLACED WITH EXPIRED WARRANTIES.
-  PROPOSED AREAS OF THRU-WALL FLASHING REPLACEMENT
-  AREAS OF ROOFING CURRENTLY UNDER WARRANTY.

Middle School

Solar Panels

NOTES: 1. EQUIPMENT LOCATION TO BE FIELD VERIFIED
 2. SITE COMPLIANCE WITH APPROPRIATE STATE AND LOCAL CODES TO BE VERIFIED BY AUTHORITY HAVING JURISDICTION



PV SYSTEM SUMMARY	
TOTAL STC DC SYSTEM SIZE	231.12 kW
SOLAR MODULE MODEL	CANDIAN SOLAR DC
SOLAR MODULE STC DC RATING	360 W
SOLAR MODULE INFO	78.7" x 39.1" x 1.57", 49.8lbs
SOLAR MODULE COUNT	642
STRING SIZE	5 x [36M x 3S], 1 x [34M x 3S]
RACKING SYSTEM	DYNORAXX EVO FR
PITCH OF ARRAY	10°
INVERTER MODEL	6 x SE30KUS w/ 321 x SE P800p DC OP
ARRAY AZIMUTH	180°
EAVE HEIGHT	9' - 22'
INTERCONNECTION VOLTAGE	480V/3Φ

LEGEND	
	UNSHADED SOLAR MODULE
	SHADED SOLAR MODULE
	MIXED ORIENTATION SOLAR MODULE
	INVERTER
	EASY TO READ METER
	AC COMBINER BOX
	UTILITY METER
	MAIN BREAKER PANEL
	ELECTRICAL TRENCH
	VENTING AND PATHWAYS
	GROUND ACCESS AREA

General Notes

THE INSTALLATION OF PV SYSTEM SHALL BE IN ACCORDANCE WITH THE MOST RECENT NATIONAL ELECTRIC AND BUILDING CODES AND STANDARDS, AS AMENDED BY JURISDICTION

ELECTRICAL STAMP AREA

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Q	Original S/W Plan	2/05/19
No.	Revision/Issue	Date

SOLARLIBERTY
 THE FUTURE OF ENERGY INDEPENDENCE

6500 Sheridan Drive
 Suite 120
 Buffalo, NY 14221
 866-80-RENEW

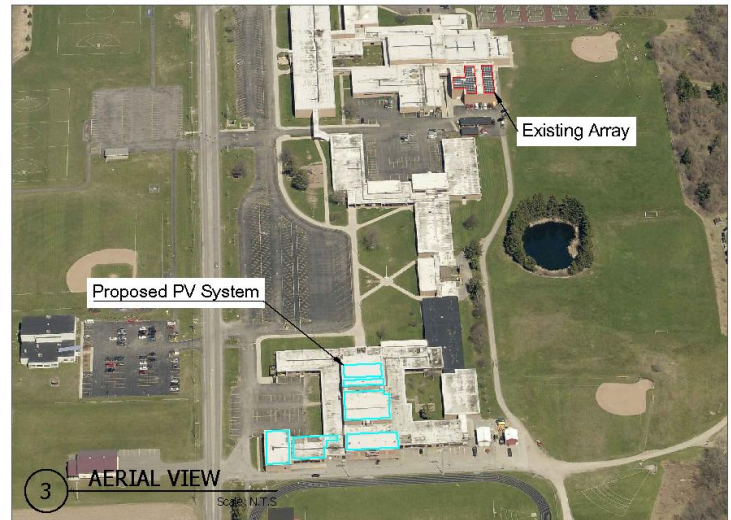
NABCEP
CERTIFIED
 PV Installation Professional

Project Name and Address

Iroquois Middle School
 2111 Girdle Rd,
 Elma, NY 14059

Drawn By CR	Checked By LL
Date 12/05/2019	Date 12/05/2019
Scale AS NOTED	Sheet PV-S4

2 PV SYSTEM OVERVIEW
 Scale: N.T.S.





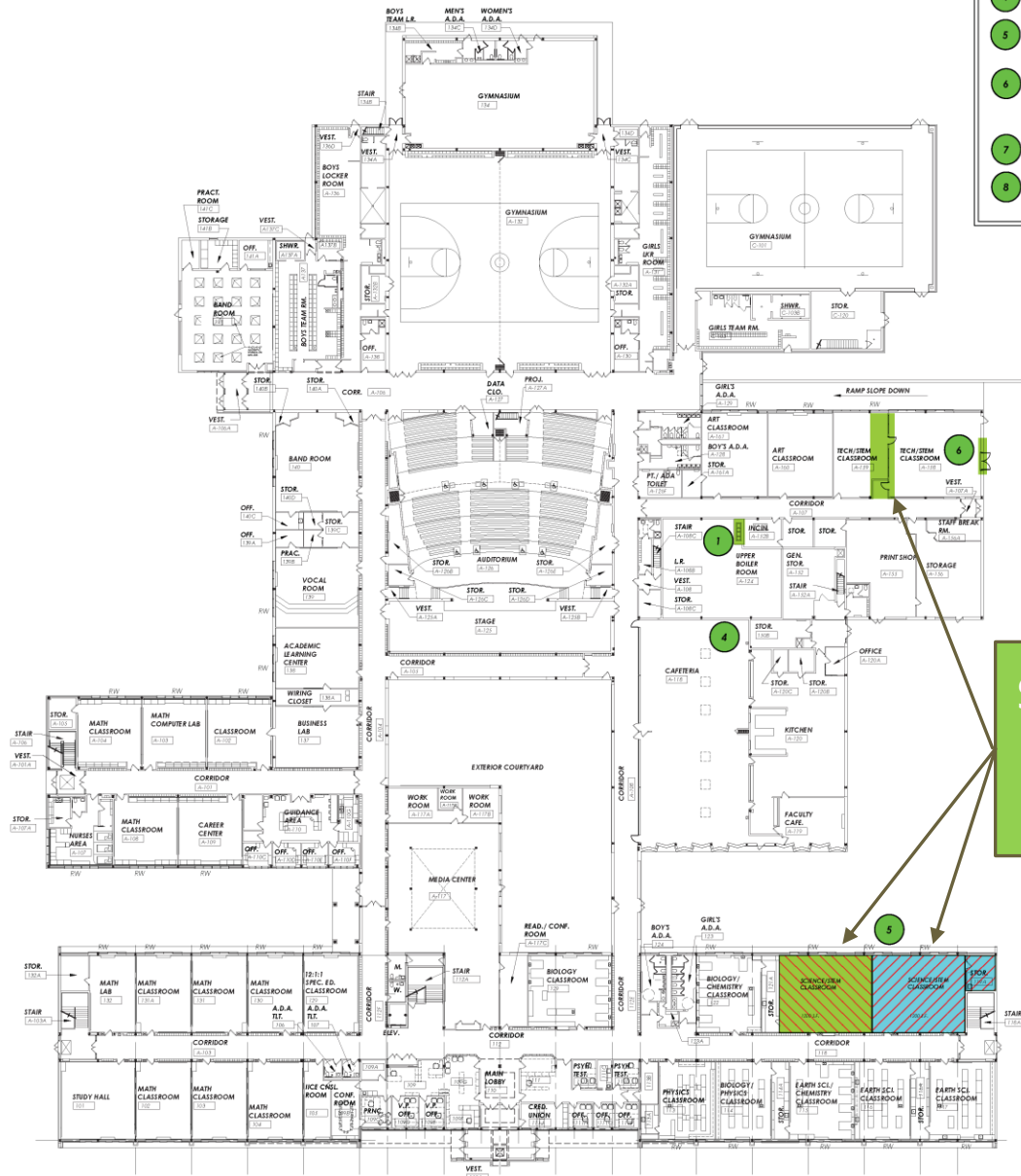
High School

- Replace public address system and clocks
- Install blue light emergency notification system
- STEM/science classroom renovations/upgrades
- STEM/technology/wood shop classroom renovations/upgrades
- Install air-conditioning in cafeteria

2020 CAPITAL IMPROVEMENT PROJECT
PUBLIC REFERENDUM VOTE DATE: OCTOBER 6, 2020

Renovation Items:

- 1 Remove Chimney Below Roof, Infill Roof, Steel for Future A/C Unit.
- 4 Provide A/C DX Coil & Condenser For Cafe (Ready to Accept DX Coil)
- 5 Renovate Science/STEM Classrooms (combine three Science Classrooms 119, 120 & 121 Into two Science/STEM Classrooms)
- 6 Renovate Tech/STEM Classrooms A-158 / A-159; Remove portions of interior wall and install new interior windows and door. Also Relocate entrance door to room and minor wood shop improvements.
- 7 Replace P/A system.
- 8 Blue Light System.



STEM/Science/
Wood Shop
Rooms

High School

First Floor



ENGINEERING
Mechanical/Electrical Engineering Consultants
Buffalo | Rochester | Syracuse | Schenectady
150 Washington Avenue, Buffalo, NY 14202
www.mecampus.com

GORDON W. JONES ASSOCIATES
ARCHITECTS, P.C.
700 MAIN STREET BIRMINGHAM, NY 14020
www.gwjas.com

IROQUOIS CENTRAL SCHOOL DISTRICT
2111 GIRDLE ROAD, ELMA, NY 14059

IROQUOIS HIGH SCHOOL
2111 GIRDLE ROAD, ELMA, NY 14059

PROJECT CONTROL NUMBER: 16-13301-06-007-000

PROPOSED OVERALL
FIRST FLOOR PLAN 1
SCALE: 1/8"=20'-0"

IROQUOIS HIGH SCHOOL
PROPOSED
1ST FLOOR PLAN



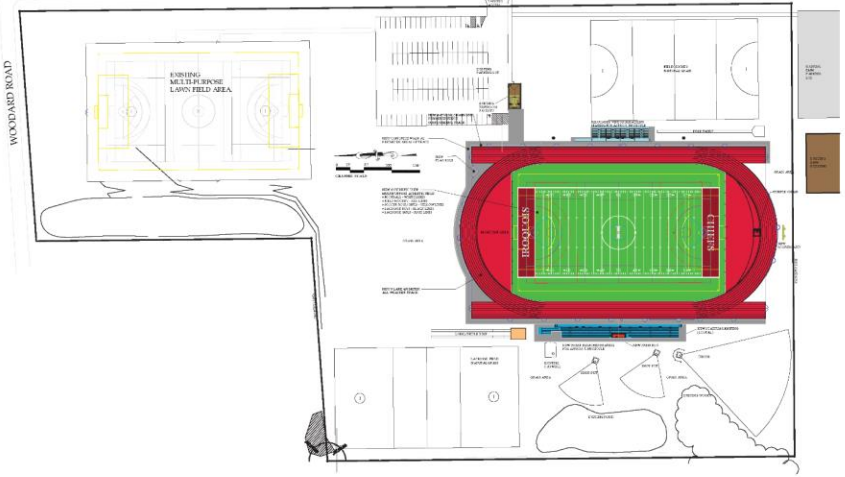
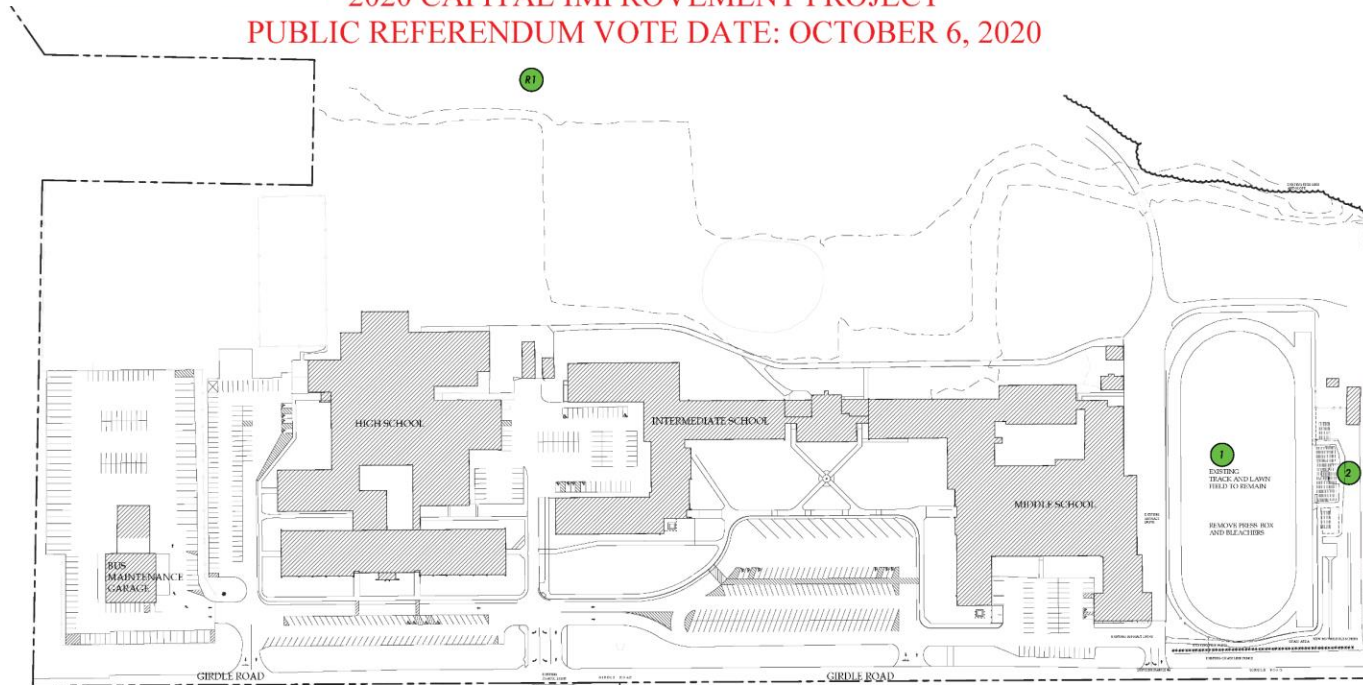
Site Improvements

- **Reconstruct concrete wall at wastewater settling tank**
- **Reconstruction of athletic fields across the street from the Main Campus to include:**
 - New rubber surface 8-lane running track and associated track event equipment and accessories
 - New fencing around the track area
 - New multi-sport synthetic turf playing field
 - New bleachers with press box
 - New field lighting
 - New scoreboard
 - Utility, storm, and power requirements for the field
 - New parking lot lighting
 - New sidewalks and curbing work

PROPOSED ATHLETIC FIELDS

2020 CAPITAL IMPROVEMENT PROJECT
PUBLIC REFERENDUM VOTE DATE: OCTOBER 6, 2020

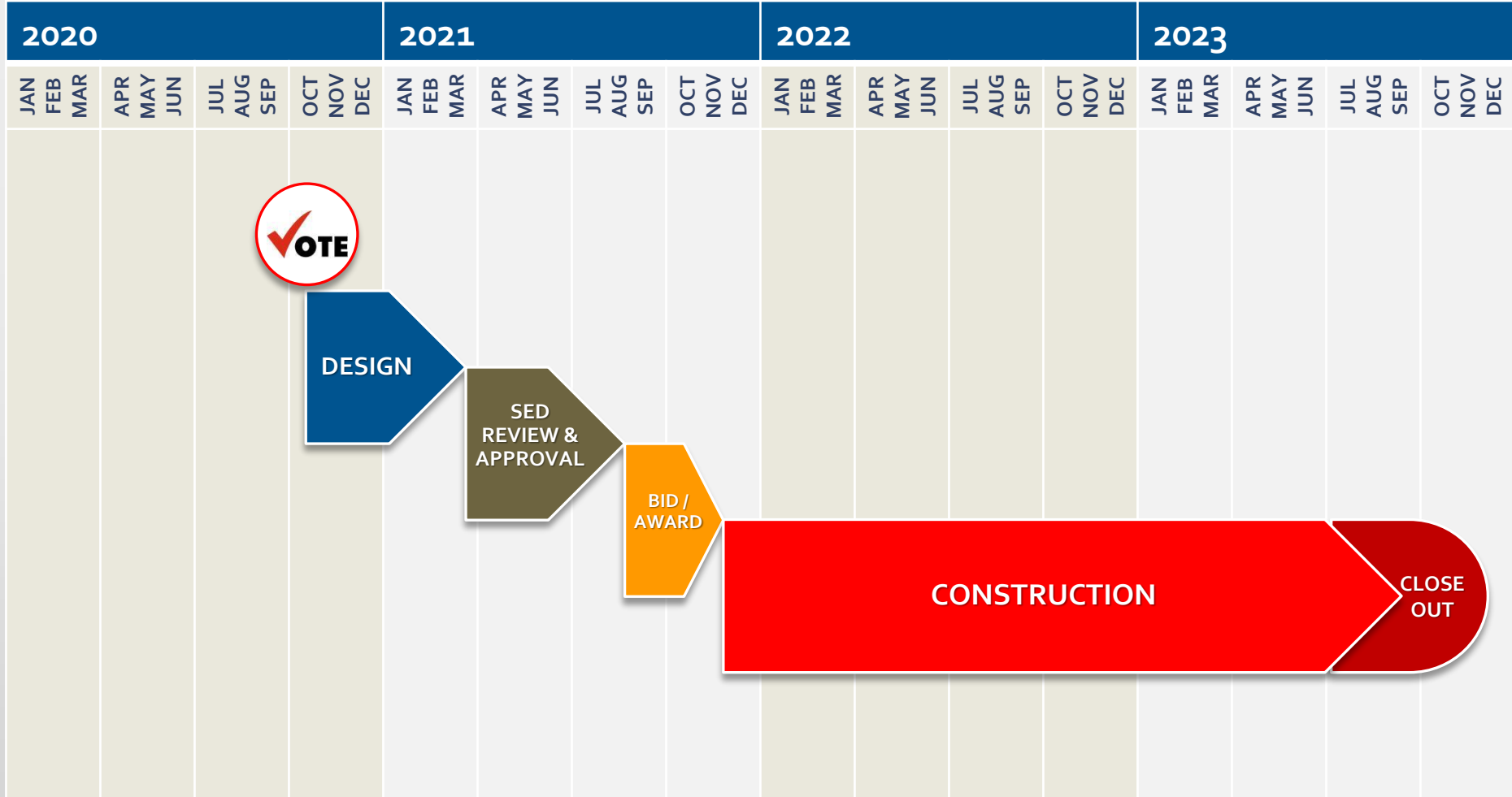
GORDON W. JONES ASSOCIATES
ARCHITECTS, P.C.
5757 MAIN STREET WILLIAMSVILLE, NY 14221 P: 716-633-9000
WWW.GWJARCHITECTS.COM



- Site Renovation Items:**
- 11 Reconstruct portion of concrete wall at waste water open settling tank.
- Site Athletic Field Items:**
- 1 Existing track and lawn field to remain.
 - 2 Remove existing press box and bleachers.
 - 3 New 8 lane all weather track.
 - 4 New synthetic turf multi-purpose field at interior of track.
 - 5 New bleachers for 1000 seating on home side. District to relocate existing portable bleachers for visitor side.
 - 6 New press box
 - 7 New 4 post LED track & field lighting.
 - 8 New multi-sport scoreboard.
 - 9 New track and field utility requirements.
 - 10 New track and field storm requirements.
 - 11 New concrete sidewalks and curbing for track area.
 - 12 New fencing for track area.
 - 13 New event equipment.
 - 14 New track power.
 - 15 New track parking lot lighting.

Main Campus Athletic Fields

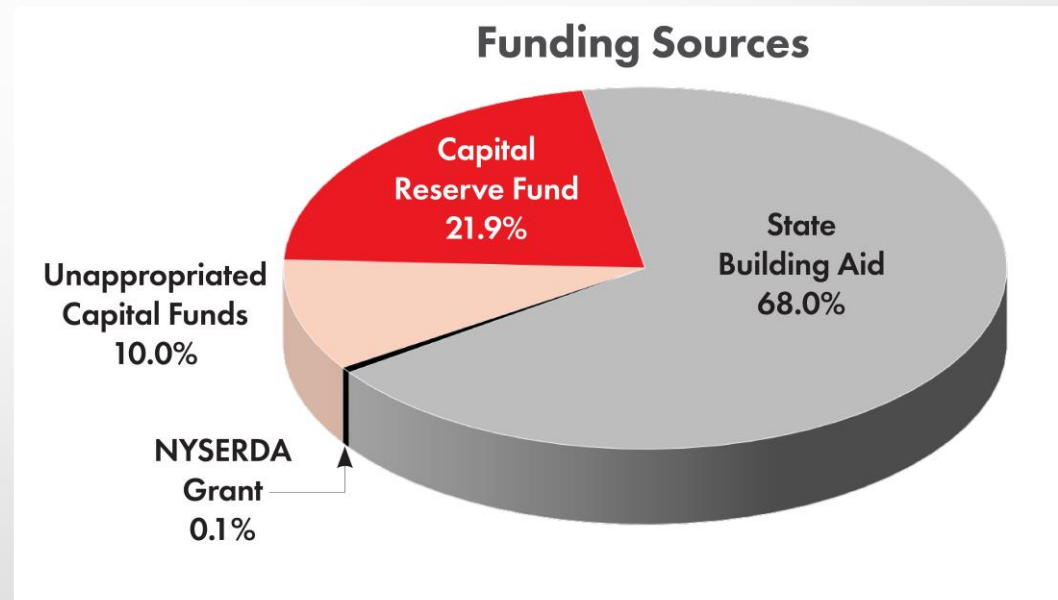
Potential Project Timeline



Financing Plan

This project will be completed with NO IMPACT ON THE TAX LEVY

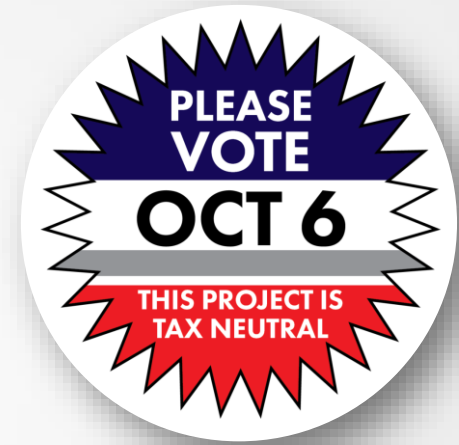
State Building Aid	\$13,288,000
Use of 2011 Capital Reserve	\$ 4,270,942
Unappropriated Capital Funds	\$ 1,950,307
<hr/>	
Total Project Amount	\$19,509,249



- ⚙ This project's solar component is eligible for an additional \$208,000 NYSERDA Grant and an additional 10% measure of State Building Aid.

Additional Information Sources

- **Project Video:** Available on web site in early September
- **Capital Project Overview:** Fact sheet available on web site and in schools
- **Capital Project Newsletter:** Mailed to every household in mid-September
- **Public Information Meeting:** September 23 at 6:30 p.m. via live-stream
Please mail questions to csadowski@iroquoiscsd.org prior to the meeting



**PUBLIC
VOTE**

Tuesday, October 6

7:30 a.m. – 9:00 p.m.

Intermediate School Gymnasium

Absentee ballots are available on request from the District Clerk.

Questions?

- **Frequently Asked Questions** are addressed here:
 - On the District web site at www.iroquoiscsd.org
 - Capital Project Newsletter
September Special Issue
- For answers to additional questions, send an email to:

Douglas Scofield
Superintendent of Schools
dscofield@iroquoiscsd.org

John Wolski
Business Administrator
jwolski@iroquoiscsd.org

Iroquois Central School District

