

**PART E: DESIGN DEVELOPMENT
BOARD TRANSMITTAL**

DISTRICT/CTC: Avon Grove School District COUNTY: Chester
 PRJT BLDG NAME: New Avon Grove High School PROJECT #: 3927

<u>ALL PRJTS</u>	<u>PAGE #</u>	<u>GENERAL INFORMATION / AGENCY EVALUATIONS</u>
<u>X</u>	E02	Rough Grading to Receive the Building
<u>X</u>	E03	Sanitary Sewage Disposal
<u>X</u>	E04-E05	General Site Description/Energy Modeling
<u>N/A</u>	E06	Request for Phased Bidding (if applicable)
<u>N/A</u>	E07	Pennsylvania Department of Environmental Protection Mine Subsidence Evaluation Report (if applicable)
<u>X</u>	E08-E13	Project Information Survey
<u>X</u>		Outline Specifications for Building Materials, Equipment and Systems
<u>X</u>		A <u>Separate Floor Plan</u> Drawing Identifying Spaces Listed on Room Schedule with Calculated Area Noted Therein and Perimeter of Each Scheduled Area Clearly Marked in a Contrasting Color

DESIGN DEVELOPMENT DRAWINGS

<u>X</u>	Project Site Plan Drawing
<u>X</u>	Project Building Floor Plan Drawings
<u>X</u>	Composite Floor Plan Drawings Showing Structural, Mechanical, Plumbing, Electrical and Lighting Systems
<u>X</u>	Building Elevation Drawings
<u>X</u>	Room and Equipment Layout for the Library
<u>X</u>	Room and Equipment Layout for a Typical Classroom
<u>X</u>	Room and Equipment Layout for Family/Consumer Science
<u>X</u>	Room and Equipment Layout for Technology Labs/Industrial Arts Shops
<u>X</u>	Room and Equipment Layout for Locker Rooms
<u>X</u>	Room and Equipment Layout for the Kitchen and Cafeteria
<u>X</u>	Room and Equipment Layout for the Administrative, Guidance and Health Suite
<u>N/A</u>	Room and Equipment Layouts for Other Spaces (if prepared)

The architectural firm for this project is: KCBA Architects
 The architect to be contacted if there are any questions about Part E is:
Michael Kelly, AIA, Principal 215.368.5806 215.368.3580
Architect's Name and Position Phone Number Fax Number

The architect's e-mail address is: mike.kelly@kcba-architects.com

The district/CTC's representative(s) at the Design Development conference(s) will be:
Dr. M.Christopher Marchese, Superintendent Henry Guarriello, AIA, Project Manager
Name and Position Name and Position

The district/CTC representative's e-mail address is: mmarchese@avongrove.org

The district/CTC administrator to be contacted about Part E is:
Dr. M.Christopher Marchese, Superintendent 610.869.2441 610.869.8651
District/CTC Administrator's Name and Position Phone Number Fax Number

The district/CTC administrator's e-mail address is: mmarchese@avongrove.org

This certifies that the attached materials were approved for submission to the Pennsylvania Department of Education by board action. If phased bidding approval is being requested for this project on page E06, the board acknowledges that this project will not be eligible for reimbursement until the bids are opened for the final construction phase and PlanCon Part G for the entire project building is approved by PDE.

BOARD ACTION DATE: _____
 VOTING: AYE _____ NAY _____ ABSTENTIONS _____ ABSENT _____

Signature, Board Secretary Board Secretary's Name, Printed or Typed

District/CTC Address Date

ROUGH GRADING TO RECEIVE THE BUILDING

District/CTC: Avon Grove School District	Project Name: New Avon Grove High School	Project #: 3927
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Briefly describe the proposed work needed for rough grading to receive the building, defined as the earth excavation and compacted fill needed to prepare a rough plain that will permit contractors to stake out the building to an elevation of one foot below the finished floor and to a line ten feet beyond the exterior of the proposed building or sizeable addition(s).

Reimbursement may be requested for earth excavation and compacted fill necessary to prepare the rough plane defined above; stripping of a maximum of six inches of topsoil will also be considered for reimbursement.

The following work is not eligible for reimbursement: (1.) minimal grading for additions where the present grade is relatively near the floor elevation; (2.) excessive cut and fill where other design or structural considerations should have been made; (3.) special grading for stages, auditoriums, swimming pools, boiler rooms, and crawl spaces; (4.) excavation of unsuitable materials and fill; (5.) rock excavation or boulder removal; (6.) trucking costs for additional fill; (7.) clearing of natural growth; (8.) stabilization of mine areas; (9.) demolition of buildings and roads, etc.; (10.) construction in courtyards and crawl spaces; and (11.) where the total volume of earth movement is less than 500 cubic yards.

The area of the proposed building construction will be stripped of topsoil and prepared for the required cut and fill to reach the building subgrade elevation. Rock excavation is not anticipated for this project.

ESTIMATED MAXIMUM REIMBURSABLE COSTS

A. ESTIMATED AREA BASED ON THE NEW BUILDING/ADDITION FOOTPRINT + 10' BEYOND = 212,496 Sq. Ft.

B. ESTIMATED MAXIMUM ALLOWABLE COSTS

1. STRIP TOP SOIL	<u>3,935</u>	cu. yds.	X	\$9.00 /cu.yd.	=	\$ <u>35,415</u>
2. CUT	<u>1,989</u>	cu. yds.	X	\$9.00 /cu.yd.	=	\$ <u>17,901</u>
3. COMPACTED FILL	<u>53,792</u>	cu. yds.	X	\$17.00 /cu.yd.	=	\$ <u>914,464</u>
4. ESTIMATED MAXIMUM ALLOWABLE COSTS (B-1 plus B-2 and B-3)						\$ <u>967,780</u>

SANITARY SEWAGE DISPOSAL

District/CTC: Avon Grove School District	Project Name: New Avon Grove High School	Project #: 3927
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Briefly describe the work involved in providing the project building with sanitary sewage disposal, defined as a sewage treatment plant or system required by the Pennsylvania Department of Environmental Protection (DEP), or an extension of the sanitary sewer lines from 5 feet outside the project building to connect to a DEP-approved municipal sewage system.

Reimbursement may be requested for: (1.) a sewage system or plant or the waste line extension from the building to connect to a local sewer authority to serve a new school building; or (2.) the modification or replacement of an existing system or plant or on-site line extension, as required by the Pennsylvania Department of Environmental Protection; (3.) tap-in to a municipal sewer authority; and (4.) reserve capacity charges required by a local sewer authority. Only the district's prorated share of the costs to extend a sewer line or to construct a new treatment plant should be requested for reimbursement.

The following are not eligible for reimbursement: (1.) rock excavation; (2.) interior waste disposal lines or excessive exterior lines; (3.) grease, chemical or oil receptors; and (4.) system, plant or line costs for capacity charges beyond this project building's requirements, such as additional capacity for other school buildings or future community capacity needs (costs to be shared by the school district and other current or future property owners are to be prorated).

ACTUAL DOCUMENTATION, INCLUDING THE COSTS IN DOLLARS, FROM THE SEWER AUTHORITY TO SUPPORT ANY CLAIMS FOR TAP-IN FEES OR RESERVE CAPACITY CHARGES MUST BE PROVIDED WITH PLANCON PART F.

Collected via gravity on site, then pumped via force main to the intersection at Jennersville Road south to Jenners Pond Road.

Sewer service is provided by Aqua PA.

COMPLETE THIS SECTION ONLY IF REQUESTING AN EXCEPTION TO THE MAXIMUM ALLOWANCE FOR SANITARY SEWAGE DISPOSAL

The maximum allowance for sanitary sewage disposal is limited to the project building's FTE-New unless an exception to use the New and Existing FTE is requested and approved in writing.

ESTIMATED MAXIMUM REIMBURSABLE COSTS

A. REQUIREMENTS FOR SANITARY SEWAGE DISPOSAL

CHARGES FOR TAP-IN TO MUNICIPAL SEWER AUTHORITY	YES	<u>X</u>	NO	_____	SUBMIT
RESERVE CAPACITY CHARGES REQUIRED BY LOCAL SEWER AUTHORITY	YES	<u>X</u>	NO	_____	DOCUMENTATION
ON-SITE SEWER LINE EXTENSION (enter "N/A" or "None" where applicable)					AT PART F
LINEAL FEET -	<u>3,014</u>	/	NUMBER OF MANHOLES -	<u>9</u>	
OFF-SITE SEWER LINE EXTENSION (enter "N/A" or "None" where applicable)					
LINEAL FEET -	<u>2,625</u>	/	NUMBER OF MANHOLES -	<u>5</u>	
OTHER:	<u>Sewer Pump Station</u>				

B. ESTIMATED MAXIMUM ALLOWABLE COSTS

1. BUILDING FTE - NEW (Part A Approval Letter); EXISTING & NEW IF EXCEPTION GRANTED	<u>2,209</u>
2. REIMBURSEMENT FACTOR	\$400
3. ESTIMATED MAXIMUM ALLOWABLE COSTS (line B-1 times B-2)	\$ <u>883,600</u>

GENERAL SITE DESCRIPTION (1 of 2)

District/CTC: Avon Grove School District	Project Name: New Avon Grove High School	Project #: 3927
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MUNICIPALITY: Penn Township

NUMBER OF ACRES - EXISTING SITE: 152.855

NUMBER OF ACRES - TO BE ACQUIRED: None

PROJE PROJECT BUILDING STATISTICS: Total Number of Students <u>1750</u> Total Number of Teachers <u>135</u> Total Number of Administrators and Support Staff <u>40</u>	PROJECT BUILDING STATISTICS: Total Number of Buses <u>50</u> Parking Spaces Needed <u>663</u>
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UTILIUTILITY SERVICE PROVIDED BY:

WATER: Chester Water Authority

SEWAGE DISPOSAL: Aqua PA

ELECTRICITY: PECO

GAS: PECO

FOR EACH ITEM INDICATE YES OR NO FOR THE PROJECT SITE

SITE HAS:

YES NO Existing or potentially acceptable road entrance from an improved public road

YES NO Relatively safe pedestrian approach

SITE PROVIDES ADEQUATE SPACE FOR BUILDING SERVICES AND EDUCATIONAL PROGRAMS

YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Project building	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Landscaping	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Track
YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Service areas	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Ecology area	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Football field
YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Parking areas	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Future additions	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Baseball field
YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Bus loading	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Practice fields	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Soccer/Hockey field
YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Elementary play areas		

INTERIOR FACILITIES AVAILABLE FOR COMMUNITY USE:

YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> Multi-purpose Room	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Gymnasium	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Cafeteria
YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Auditorium	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> Swimming Pool	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Library

SITE AREAS AVAILABLE FOR COMMUNITY USE:

YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> Elementary Play Areas	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Football Field	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Soccer/Hockey Field
YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Ecology Area	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Baseball Field	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Practice Fields
YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Track		

GENERAL SITE DESCRIPTION/ENERGY MODELING (2 of 2)

District/CTC: Avon Grove School District	Project Name: New Avon Grove High School	Project #: 3927
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DISTANCE RELATIVE TO PROJECT SITE:

Nearest railroad	<u>0.5</u>	miles	Sanitary sewer system	<u>3100</u>	feet
Nearest airport	<u>2.75</u>	miles	Storm sewer system	<u>NONE</u>	feet
Nearest shopping center	<u>0.5</u>	miles	Stream drainage	<u>ON SITE</u>	feet
Nearest business center	<u>0.25</u>	miles	Fire protection	<u>1000</u>	feet
Nearest industrial center	<u>0.5</u>	miles			

GENERAL SITE GRADIENT FOR TOTAL ACREAGE:

<u>Gradient</u>	<u>CURRENT CONDITION</u>		<u>AFTER ROUGH GRADING</u>	
	<u>Acres</u>	<u>% of Total</u>	<u>Acres</u>	<u>% of Total</u>
1 - 10%	<u>146.2318</u>	<u>95.7%</u>	<u>138.5186</u>	<u>90.6%</u> <small>(ROUND TO 1 DEC PL)</small>
11 - 20%	<u>4.5094</u>	<u>3.0%</u>	<u>5.3662</u>	<u>3.5%</u> <small>(ROUND TO 1 DEC PL)</small>
Greater than 20%	<u>2.1138</u>	<u>1.4%</u>	<u>8.9702</u>	<u>5.9%</u> <small>(ROUND TO 1 DEC PL)</small>
Total	<u>152.855</u>	<u>100.0%</u>	<u>152.855</u>	<u>100.0%</u>

Provide a brief explanation in the space below if the total acreage includes land that exceeds a twenty percent (20%) gradient.

Slopes over 20% are on banks adjacent to the existing roadways and around wetland areas. There are slopes over 20% being proposed along the proposed school driveway, athletic fields, and above ground basin areas.

FOR EACH ITEM INDICATE YES OR NO FOR THE PROJECT SITE

CURRENT SITE USE:

YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> Existing school site	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Farmland	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> Grassland
YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> Industrial site	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> City or borough lot	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> Timberland

SITE HAS SUFFICIENT ELEVATION TO:

YES NO Avoid flooding from stream
 YES NO Avoid flooding from surface water
 YES NO Avoid excessive storm water from properties at higher elevations
 YES NO Permit good natural drainage

SITE IS REMOVED FROM:

YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Objectionable noise	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Non-fireproof structures	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Heavy traffic
YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Objectionable odors	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Unsightly structures	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Solid waste landfill

SITE SHOWS EVIDENCE OF:

YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> Soil erosion	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> Sinkholes	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> Active mines
YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Swampy or wet areas	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> Abandoned wells/cisterns	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> Active gas wells
YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> Recent fill	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> Abandoned cesspools	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> Active oil wells
YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> Toxic gases	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> Abandoned mines	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> Inactive mines
YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> Toxic smoke	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> Abandoned quarries	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> Inactive gas wells
YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> Obnoxious Odors	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> High pressure gas lines	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> Inactive oil wells
YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> High tension power lines	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> High pressure oil lines	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> Land Fill

COMPREHENSIVE ENERGY MODELING

1. Have comprehensive (8,760 hrs/yr) energy models been conducted? Yes No
2. How many options were considered or compared? Number of Options: 2
Chosen 43.3 Alternate 43.2
3. What are the site Energy Utilization Indexes (EUI) in kbtu/sf of the top 2 options?
4. Has a life cycle cost analysis been completed? Yes No
Chosen \$ 22,420,194 Alternate \$ 23,496,140
5. What are the life cycle costs of the top 2 options?

REQUEST FOR PHASED BIDDING

District/CTC: Avon Grove School District	Project Name: New Avon Grove High School	Project #: 3927
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The requirements of Act 34 preclude phased approval of work that commits a district to the project before meeting all requirements of Act 34. Examples of work that may not be approved as phased work for Act 34 projects are work that is directly related to the new structure (e.g., ordering structural steel) and site development that would not be required if the addition or new structure were not built. An example of work that could be approved as phased work for Act 34 projects is asbestos removal in an existing wing of a building that would be accomplished even if an addition were not built.

Projects that are phased will not be eligible for reimbursement until Part G, "Project Accounting Based on Bids," for the entire project building is approved by PDE.

If phased bidding approval is being requested for this project, briefly describe the reasons why this project needs to be phased and the proposed construction schedule.

Approval of the "Request for Phased Bidding" does not constitute Departmental approval to enter into construction contracts. Refer to PlanCon Part E instructions for additional PlanCon Part F Phased submittal and approval requirements.

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
MINE SUBSIDENCE EVALUATION**

TO BE COMPLETED BY THE SCHOOL DISTRICT OR CTC

DISTRICT/CTC: Avon Grove School District COUNTY: Chester
PRJT BLDG NAME: New Avon Grove High School PROJECT #: 3927
MUNICIPALITY: _____ SITE SIZE: _____ ACRES

BUILDING TYPE: _____ NEW BUILDING
_____ ADDITION TO EXISTING BUILDING
_____ ADDITION AND ALTERATION
_____ ALTERATION ONLY

As one of the conditions for the Pennsylvania Department of Education's approval of our proposed site for the above school construction project, we must receive your evaluation of the site with respect to mine subsidence. Attached are the following materials for your consideration:

<u>ALL PRJTS</u>	<u>PAGE #</u>	
_____	E04-E05	General Site Description
_____		Physical Characteristics of Project Site Drawing
_____		U.S.G.S. Topographical Map (7 1/2" series) With Site Location
_____		Geotechnical Subsurface Investigation Report

The school's contact person is: _____
Name Phone Number

The project architect is: _____
Name Phone Number

TO BE COMPLETED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION

BASED ON OUR REVIEW OF THE SUBMITTED MATERIALS, THE PROPOSED SITE IS:

RISK OF MINE SUBSIDENCE: NONE _____ SLIGHT _____ MEDIUM _____ HIGH _____ VERY HIGH _____
DAMAGE POTENTIAL:

CONDITIONS OR REMARKS:

ATTACHMENTS: YES _____ NO _____

Signature, DEP Official DEP Official's Name, Printed or Typed

DEP Official's Title DEP Regional Office Date

THIS FORM SHOULD BE RETURNED TO THE SCHOOL DISTRICT/CTC TO BE INCLUDED IN THE PART E SUBMISSION FOR THIS PROJECT.

PROJECT INFORMATION SURVEY (1 of 6)

District/CTC: Avon Grove School District	Project Name: New Avon Grove High School	Project #: 3927
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COMPLETE ALL ITEMS; IF NOT APPLICABLE, INDICATE IN SPACE PROVIDED

PROJECT SITE PLAN DRAWING:

1. Has the scope of work for the site, building, and/or educational program changed since the PlanCon Part B, Schematic Design, review? If Yes, describe the changes below. Yes _____ No X
2. Is the bus loading/unloading area separate from the visitor drop-off area? If No, describe method of separation (traffic patterns, signage, personnel directing traffic, etc.). Yes X No _____
3. How many students walk to the site? _____ None _____
4. How many buses are on the site at one time during the school day? _____ 60 _____
5. Is student drop-off and pick-up by automobile separate from bus areas? If No, describe method of separation. Yes X No _____
6. Is service delivery access restricted during daytime hours? If Yes, describe method. Yes X No _____

Gates are located at the loading dock
7. Is there any site acquisition anticipated for this project? If Yes, provide information on the acquisition. Yes _____ No X
8. Are there separate structures on this site that contribute to the educational program of this project building such as a field house or adaptive gym? If Yes, describe. Yes _____ No X
9. Are the locations of all existing and planned buildings, wells, underground storage tanks, on-site sanitary sewage plants, storm water basins, flood plains, wetlands, potential environmental hazards, right-of-ways, easements, and utility crossings shown on the site plan? If No, describe the location of items not on site plan. Yes X No _____

PROJECT INFORMATION SURVEY (2 of 6)

District/CTC: Avon Grove School District	Project Name: New Avon Grove High School	Project #: 3927
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COMPLETE ALL ITEMS; IF NOT APPLICABLE, INDICATE IN SPACE PROVIDED

10. Describe the methods used to minimize potential hazards associated with storm water detention or retention basins:
- A portion of the stormwater will be collected and stored in underground basins. Another portion of the stormwater will be held in above ground detention basins that will be surrounded by fencing
11. Are there any modular classrooms located on the site. If Yes, describe the timeline for removing the modular classrooms. Yes _____ No X
12. Describe the type of resilient surface (i.e., sand, gravel, wood chips, etc.) used on the play fields and the method of maintenance of loose material.
- N/A, No playground located on site
13. List the design standards used in the design of playground equipment.
- N/A
14. List the age groups for which playground equipment is designed. _____ N/A _____
15. Are physical barriers installed at outer perimeter of the site to exclude trespassers? If Yes, describe. Yes X No _____
- At select locations around the perimeter, fencing is required by township
16. Describe the signage posted on site directing staff and students where to park.
- Traffic directional signage will be places at all driveways
- 17-a. Describe signage placed at key locations indicating name and address of the school and directing visitors to the main office.
- A new site sign will be located at the entrance to the site stating the name and address.
- 17-b. Is signage illuminated at night? If No, please explain. Yes X No _____
18. Are PennDOT, county or municipal permits required for changes to roads adjoining the site? If Yes, describe the scope of work and status of permit review. Yes X No _____
- PennDOT approval is required for roadway and traffic light improvements. Permit is in process

PROJECT INFORMATION SURVEY (3 of 6)

District/CTC: Avon Grove School District	Project Name: New Avon Grove High School	Project #: 3927
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COMPLETE ALL ITEMS; IF NOT APPLICABLE, INDICATE IN SPACE PROVIDED

BUILDING SECURITY ISSUES:

19. If a security analysis of the project building and site has been performed by law enforcement authorities or a security consultant, have their recommendations been adopted? If Yes, describe recommendations. Yes X No

Numbered Doors, Security cameras

20. Will project building plans and specifications be forwarded to local law enforcement agencies and fire departments for their future reference? Yes X No

21. Are hinges on exterior doors, windows, roof hatches, boiler room doors and power supply room doors fitted with hinge pin protection? Yes X No

22. Do dumpster locations near a one-story exterior wall provide easy access for students or trespassers to the roof? If Yes, describe means for restricting access to roof. Yes No X

23. Does the project building contain an emergency power back-up system? Yes X No

24. Is the building locked during school hours? Yes X No

25. Describe the methods of security surveillance.

The administration office will control entrance into the building through a locked vestibule. Security cameras will be located around the perimeter of the building and throughout the interior

26. Describe the method(s) of communication between the building administration office and the classrooms, duty stations and remote portions of the building or site for general public address, as well as emergency, purposes.

Communication will occur through the phone system

PROJECT BUILDING FLOOR PLAN DRAWING:

27. What documentation was used to determine existing architectural area?
 Field Measurements As-Built Drawings X N/A Other: _____

28. Does the project building share any educational program(s), cafeteria, health suite (nurse), heating, mechanical plumbing or electrical systems with another building on the same or an adjacent site? If Yes, describe. Yes No X

PROJECT INFORMATION SURVEY (4 of 6)

District/CTC: Avon Grove School District	Project Name: New Avon Grove High School	Project #: 3927
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COMPLETE ALL ITEMS; IF NOT APPLICABLE, INDICATE IN SPACE PROVIDED

29. List the building codes that are applicable to this project.

IBC 2015; IEBC 2015; ANSI A117.1-2003

30. Can portions of the building be closed off before and after hours during community activities? If Yes, describe method. Yes x No

Overhead rolling security grilles can be closed to close off classroom wings during events. Overhead rolling security grilles will also be used to close of the rest of the school from the gym during athletic events.

31. Are there existing or new unventilated crawl spaces in the project building? If Yes, describe the methods designed to reduce the formation of mold or fungus. Yes No x

32. Is any portion of the building more than one story and does that portion of the building have a Department of Labor and Industry classification of ordinary or wood frame construction? If Yes, describe the methods designed to meet health and safety standards related to the use of wood in this building. Yes No x

33. Is the nurse's telephone acoustically private from the waiting area and exam rooms? Yes x No

34. Is the health suite near an exterior entrance for ambulance access? Yes x No

35. Describe safety and security considerations regarding the presence of skylights in the new and/or existing building, if applicable.

N/A, No skylights are being proposed

36. Describe the methods planned to eliminate glare on computer screens, playing courts or water surfaces from clerestory windows or skylights in the library, gymnasium or natatorium.

In the Library and Gymnasium, glass above a certain height will be frosted. . All classrooms and the Library will have operable solar shades along with fully dimmable lights. Lighting in classrooms will be a combination of up and down lighting.

37. Describe the durability of materials on exterior and interior wall surfaces near high pedestrian and/or vehicular traffic areas.

Exterior finishes at grade will be brick. Interior finishes will include porcelain tile and painted CMU on corridor walls

PLANCON PROCESSING:

38-a. Is this project subject to Act 34 of 1973? Yes x No

38-b. If yes, when was the first Act 34 hearing held (M/D/YYYY)? 9/12/2019

39. What is the anticipated bid opening date (M/D/YYYY)? 1/28/2020

PROJECT INFORMATION SURVEY (5 of 6)

District/CTC: Avon Grove School District	Project Name: New Avon Grove High School	Project #: 3927
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COMPLETE ALL ITEMS; IF NOT APPLICABLE, INDICATE IN SPACE PROVIDED

40. Are bid alternates anticipated that will affect capacity, scheduled area or architectural area? If Yes, describe. Yes x No

The Auxiliary Gym and adjacent team rooms are a deduct alternate
- 41-a. Have PlanCon Parts A-D been approved by PDE? If No, describe outstanding issues that are affecting PDE approval. Yes No x

Parts A-D will be submitted simultaneously with Part E
- 41-b. Does the planned project include any of the following spaces: natatorium, district administration offices, daycare/preschool, non-district use (health clinic, public library, etc.)? If Yes, describe. Yes x No

One of the Family Consumer Science classrooms will serve as a daycare/preschool.
- 41-c. Have there been any changes to the educational specifications for this project since the Part B review? If Yes, describe. Yes No x
42. Is the District/CTC planning to complete any other work on the project building or site while this PlanCon project is under construction? If Yes, describe. Yes No x
43. Is the District planning combined bidding for this project and any other reimbursable or non-reimbursable project? If Yes, submit draft language describing how the individual and combined projects will be bid and how the District intends to choose the lowest responsible bidder for the individual and/or combined bid. Yes No x
44. For any asbestos abatement and any other work that's part of the scope of this PlanCon project, are the drawings and specifications being prepared by a consultant directly contracted with the district/CTC and not contracted with the Architect of Record? If Yes, describe. Refer to the instructions for additional guidance. Yes No

N/A, The building is new construction
45. Is there an adopted municipal comprehensive land use plan, as per the Pennsylvania Municipalities Planning Code? Yes x No
46. Is there an adopted county comprehensive land use plan? Yes x No
47. Is this project consistent with applicable local and county plans and ordinances? Yes x No
48. Is there an adopted multi-municipal or multi-county comprehensive land use plan? Yes No x
49. Is there an adopted county or municipal zoning ordinance or a joint municipal zoning ordinance? Yes x No
50. Is the proposed project consistent with these comprehensive plans and/or zoning ordinances? Yes x No
51. Will this project be financed in whole or in part with QSCB and/or QZAB federal loan? If yes, describe below. Refer to Part F instructions for bid document requirements. Yes No x

PROJECT INFORMATION SURVEY (6 of 6)

District/CTC: Avon Grove School District	Project Name: New Avon Grove High School	Project #: 3927
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COMPLETE ALL ITEMS; IF NOT APPLICABLE, INDICATE IN SPACE PROVIDED

52. Indicate the anticipated prime contracts (attach additional list if more primes specified).
- | | | | |
|---|--|---|---------------------------------------|
| <input checked="" type="checkbox"/> General | <input checked="" type="checkbox"/> Plumbing | <input type="checkbox"/> Asbestos Abatement | <input type="checkbox"/> Other: _____ |
| <input checked="" type="checkbox"/> HVAC | <input checked="" type="checkbox"/> Electrical | <input type="checkbox"/> Educational Technology | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Other: _____ | <input type="checkbox"/> Other: _____ | <input type="checkbox"/> Other: _____ | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Other: _____ | <input type="checkbox"/> Other: _____ | <input type="checkbox"/> Other: _____ | <input type="checkbox"/> Other: _____ |
53. Is the architectural area of the addition between 18-20% of the existing building's architectural area? If Yes, verification drawings must be submitted with PlanCon Part F, Construction Documents. Yes _____ No
54. Is bidding to be phased? If Yes, submit PlanCon Page E06, Request for Phased Bidding. NOTE: the Board Action date for PlanCon Part F-Phased Bidding must be after the PlanCon Part E, Design Development, Board Action date and before the PlanCon Part F, Construction Documents, Board Action date. Yes _____ No
55. Are sanitary sewage tap-in or reserve capacity fees anticipated? If Yes, a letter from the sewer authority indicating the cost and project building name must be submitted prior to PlanCon Part F, Construction Documents, approval. Yes No _____
56. Are sanitary sewage extension costs anticipated? If Yes, a scaled site plan showing the extent of on- and off-site waste line extension from the building to connect to the local sewer authority must be included with the PlanCon Part F, Construction Documents, submission. Yes _____ No
57. Are there any buildings, structures, site conditions or site features that are more than 50 years old on this site? If Yes, has the school district contacted the Bureau for Historic Preservation in the Pennsylvania Historical and Museum Commission for an evaluation to determine if the building is of historical significance? If Yes, describe status of review. Yes _____ No
58. Are delays anticipated regarding any state or local reviews (such as BOCA exceptions, storm water management issues, planning commission reviews, etc.) of the project that could affect the anticipated bid opening date or the date of entering into contracts? If Yes, describe. Yes _____ No
59. Are all general, HVAC, electrical, plumbing, mechanical, fire suppression, security and technology systems that are required to make the project building fully operational included in the base bid? If No, explain. Yes No _____
60. Does the school district/CTC plan to specify an owner's controlled insurance program (OCIP)? If Yes, describe. Yes No _____
- District is using the quote method**
61. Does the school district/CTC plan to utilize any state or IU contract for equipment, materials and/or labor? If Yes, describe. Yes No _____
- State contract for technology equipment**
62. Does the school district/CTC plan to obtain silver, gold or platinum LEED-NC or two, three or four Green Globes certification for this project building? If Yes, describe. Yes _____ No
63. Does the school district/CTC plan to use an approved school facility design published on the Department's School Design Clearinghouse? If Yes, describe. Yes _____ No
64. Does the school district/CTC plan to perform any work in/on this facility by way of Act 77? If Yes, describe. Yes _____ No