FIELD OBSERVATION REPORT

Central Hardin High School, Cecilia, KY | 2019111 -CA8

Date: 3/3/2022 | Time: 10:30 AM ET

Weather: 55/ Sunny

Observed by: Joseph Jones, AIA | Report No: 9

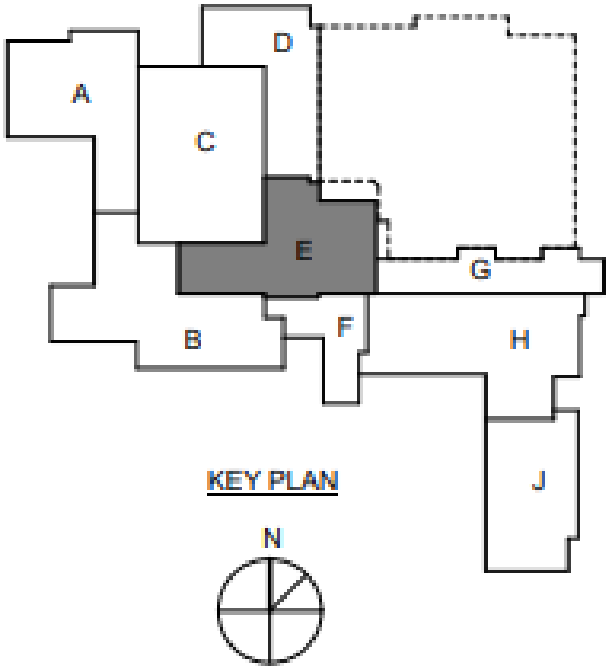
Est. Completion: 6%

Present on Site:

Billy Parson, Gerald Jones, Envision (Site Sewer), Alliance (Concrete), Carmicle (Masonry), Stewart-Richey (Drilling and Plumbing), AES (Electrical)

Work in Progress

a. The sewer line and manhole were being installed at the north side of Area A.
b. Alliance was pouring concrete slabs in Area A.
c. Masons were laying block in Area A.
d. Drillers were continuing to drill and install piping in the geothermal wells.
e. Plumbers were installing the new storm line from Area C under Area B.
f. Electricians were installing conduits in block walls as they were being laid.



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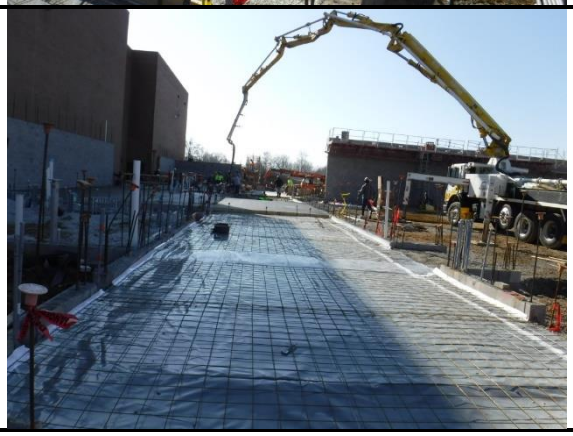
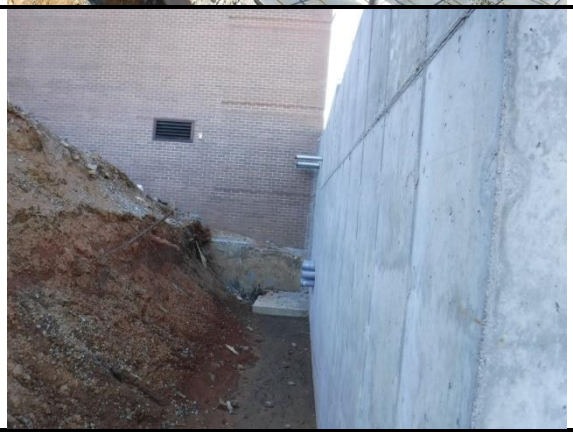
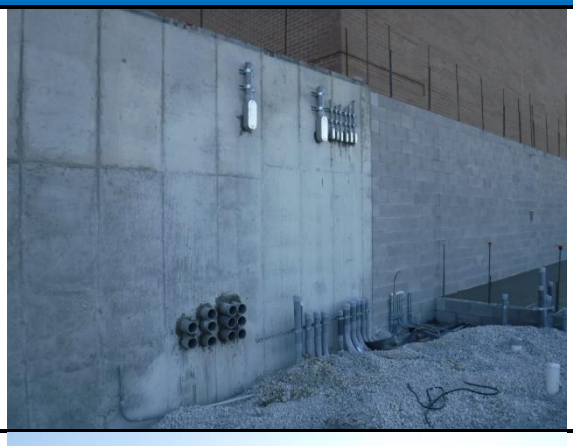
General Observations

Item No.	Location	Description/ Correction	Image	Action
1	Well Field	Even though the weather has been dry, the drilling process has placed water from the wells on the topsoil which is easily softened by the moisture. With these conditions, the drillers are having difficulties moving their equipment.		Address issues with water and soils so progress can be made with the geothermal wells. Provide drilling and casing logs for every well.
2	Well Field	Due to equipment breakdowns and other issues, drilling is falling behind schedule.		Address issues with equipment, staffing, etc, so progress can be advanced.
3	Well Field	Maintain soil erosion measures to stay in compliance with regulations of AHJs.		Correct erosion measures as required by AHJs.

Item No.	Location	Description/ Correction	Image	Action
4	North of Area A	Sanitary sewer line and manhole to new work.		None
5	Areas A and B	Concrete pump boom and scaffolding for masonry work.		None
6	Area A	Alliance was placing concrete as it was pumped to the slab areas in the north end of Area A.		None

Item No.	Location	Description/ Correction	Image	Action
7	Area A	Alliance was placing the slab at the underslab piping for the concession area and also the weight room and corridor.		None
8	Area A	The concrete slab was ready for finishing in the north end of the area.		None
9	Area A	Additional areas were prepared for concrete slabs with welded wire fabric and vapor barrier material in place.		None

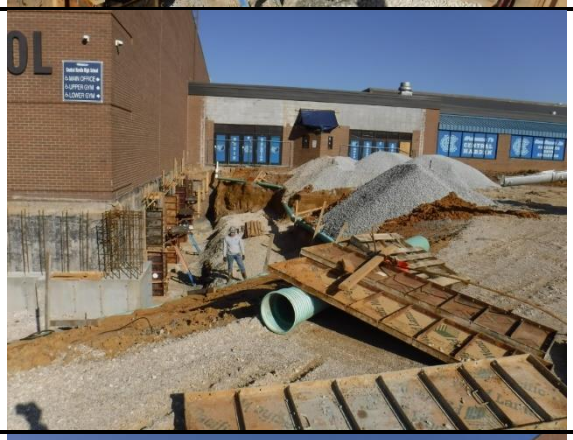
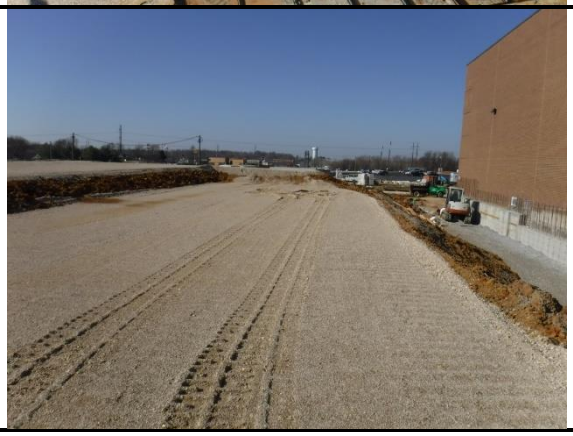
Item No.	Location	Description/ Correction	Image	Action
10	Area A	The vapor barrier appeared to be properly taped at joints and penetrations. Refer to the SPIN report for more details.		None
11	Area A	The main geothermal line stub in needs to be installed so the slab can be poured in the mechanical room.		Install stub-in.
12	Area A	Penetrations for electrical conduits have been placed through the concrete retaining wall at the mechanical room. These serve the main switchgear for the additions.		None

Item No.	Location	Description/ Correction	Image	Action
13	Area A	Electrical rough-ins have been placed in the retaining wall at the mechanical room for the main switchgear.		None.
14	Area A	Steel columns and beams have been erected at the west wall of the auxiliary gym.		None
15	Area A	The first few courses of the concrete block in the auxiliary gym have been laid on the west, exterior wall.		None

Item No.	Location	Description/ Correction	Image	Action
16	Area A	Masons were laying concrete block at the south end of the toilets in Area A.		None
17	Area A	Masons were laying the west wall of the toilets at the south end of Area A.		None
18	Area A	As the walls around the toilets at the south end of Area A are being laid, interior spaces are being defined. The work appears to be satisfactory.		None

Item No.	Location	Description/ Correction	Image	Action
19	Area A	Ground face block is being laid at the entrance walls into the toilets.		None
20	Area A	With mortar on the faces of the ground face block it is difficult to determine if any of the block edges are chipped. Chipped block need to be culled.		Inspect the block after the mortar is cleaned off the faces.
21	Area A	Hollow metal frame at the toilets in Area A. Protect frames from damage as walls are being laid and then until end of the project.		Protect hollow metal frames.

Item No.	Location	Description/ Correction	Image	Action
22	Area B	Plumbers were back filling the trench for the new storm line from Area C under Area B.		None
23	Area E	Crushed stone has been placed in the excavation for Area E. The existing storm line (in green) needs to be replaced before work can be completed in this area.		None
24	Area E	Concrete piers had been formed against the existing retaining wall for Area C.		None

Item No.	Location	Description/ Correction	Image	Action
25	Area E	The formwork has been prepared to receive concrete.		None
26	Area E	The storm line (in green) must be replaced before the foundation work along the east wall of Area E can be installed.		None
27	Area E	Crushed stone has been placed on the subgrade for the first floor levels in Area E.		

Item No.	Location	Description/ Correction	Image	Action
28	Area B	The excavation for the lower level of Area B can be seen in relation to the first floor level in the foreground.		None
29	Stored Materials	The plywood protection board for the existing gym floor arrived on site. Two layers of the plywood be laid with staggered joints to protect the wood flooring.		None
30	Stored Materials	Concrete block and ground face concrete block are on site.		None

Item No.	Location	Description/ Correction	Image	Action
31	Ground Face Block Sample	The ground face block sample with the lighter mortar that is close to the cement color in the block was approved on site.		Document
32	Black Brick Sample	The black (dark gray) brick sample with dark gray mortar was approved on site.		Document
33	Brick Sample	The brick and mortar sample on the left side facing the samples was approved on site. The brick is the lighter of the two considered. The mortar is a natural gray.		Document

2. Stored Material:

a. Storm and sanitary drainage structures and piping.
b. Geothermal piping and connections.
c. Water retention arched structures.
d. Helical piles.
e. Steel reinforcement including prefabricated cages for foundations.
f. CMU and accessories.
g. Hollow metal door frames.
h. Forms for foundation walls.
i. Plumbing piping and materials.
j. Sheet metal sleeves for HVAC ductwork.
k. Electrical conduits, boxes, and materials.

3. Follow up items:

a. Keep as-built locations for site utilities up to date on the as-built drawings.
b. Keep as-built locations of mechanical, plumbing, and electrical system locations up to date on the as-built drawings.
c. Submit documentation of approvals received from City/State inspectors.
d. Document the approvals for masonry sample panels and include them in the mock wall.
e. Provide drilling and casing logs for geothermal wells.

Follow up by: Architect, ☐ Owner, ☑ MEP Engineer, Structural Engineer, ☐ Civil Engineer ☑ Contractor, ☐ Other

Respectfully submitted,
Joseph Jones, AIA
JRA Architects

Cc: 2019111, CA8