BULLITT COUNTY PUBLIC SCHOOLS
BOARD OF EDUCATION – APRIL 26, 2021

NEW OLD MILL ELEMENTARY SCHOOL – CONSTRUCTION UPDATE

studio

COMPLETED WORK:

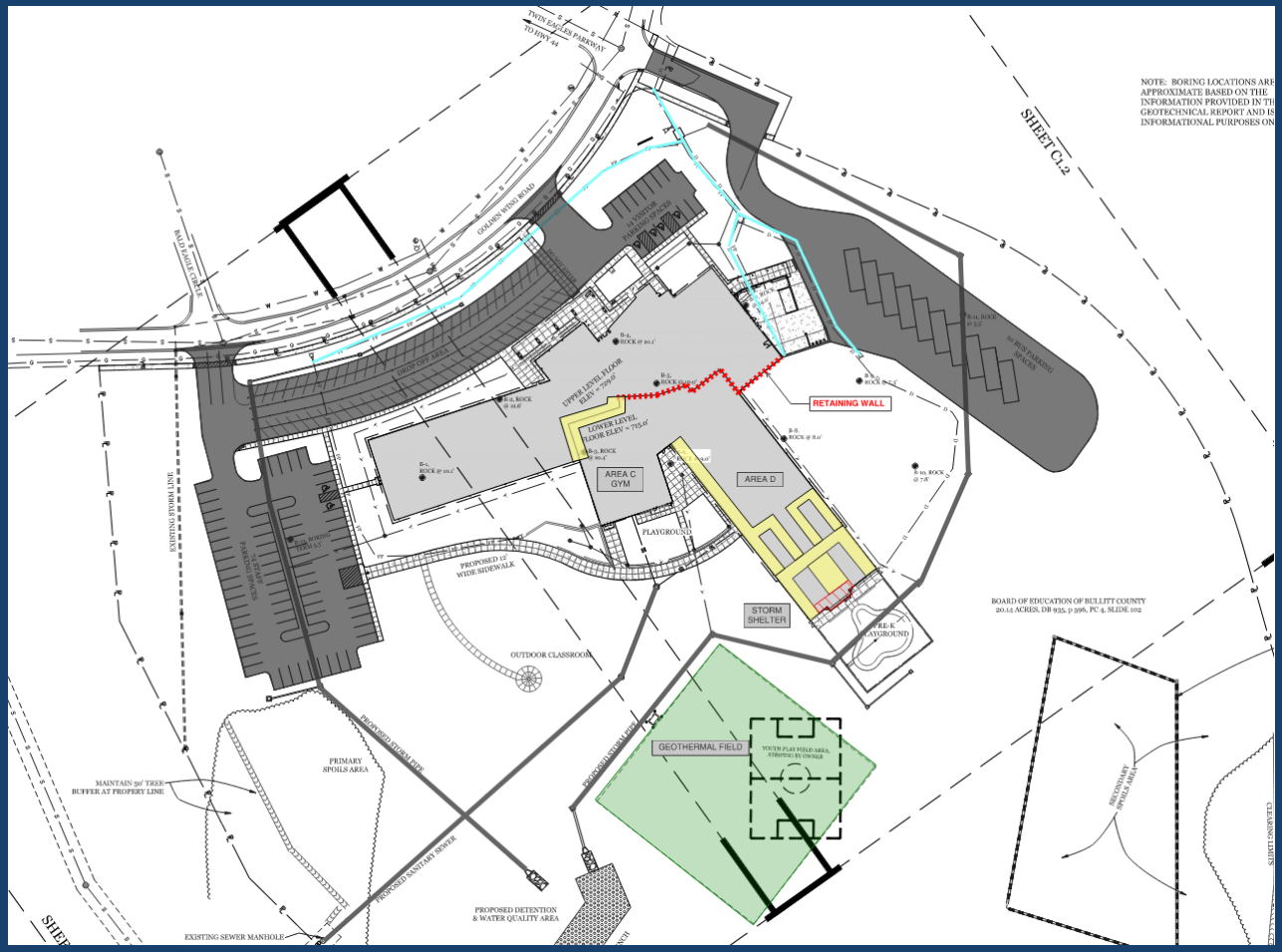
- Continued excavation for lower level retaining wall and gym.
- Foundations were poured at the lower level classroom wing and storm shelter.
- Building layout at upper level classroom wing.
- Geothermal drilling is complete.
- The final stone layer has been placed at all parking lots.
- Site Fire Protection lines at utility courtyard are installed.
- Site Electrical work has begun.
- Cast-in-place wall at Storm Shelter was poured on Friday.

ONGOING WORK:

- Building foundations at the lower level.
- The retaining wall foundation work has been delayed due to site water filling the trench as they excavated. A coordinated plan was determined at the last progress meeting and is being implemented now. The recommendation from ECS is to infill the area with sand to displace water and allow work to continue following design requirements.

UPCOMING WORK:

- ICF wall construction at lower level once foundation at classroom wing foundations .
- Asphalt work at parking lots
- Temporary site fencing installation.
- When the lower level retaining wall is complete – work at the upper level will begin on the slab and foundations.



BULLITT COUNTY PUBLIC SCHOOLS
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CONSTRUCTION PROGRESS – SITE & BUILDING FOUNDATIONS

NEW OLD MILL ELEMENTARY SCHOOL – CONSTRUCTION UPDATE

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DRONE AERIAL FOOTAGE – BRET HIGHLEY – APRIL 23, 2021

NEW OLD MILL ELEMENTARY SCHOOL – CONSTRUCTION UPDATE

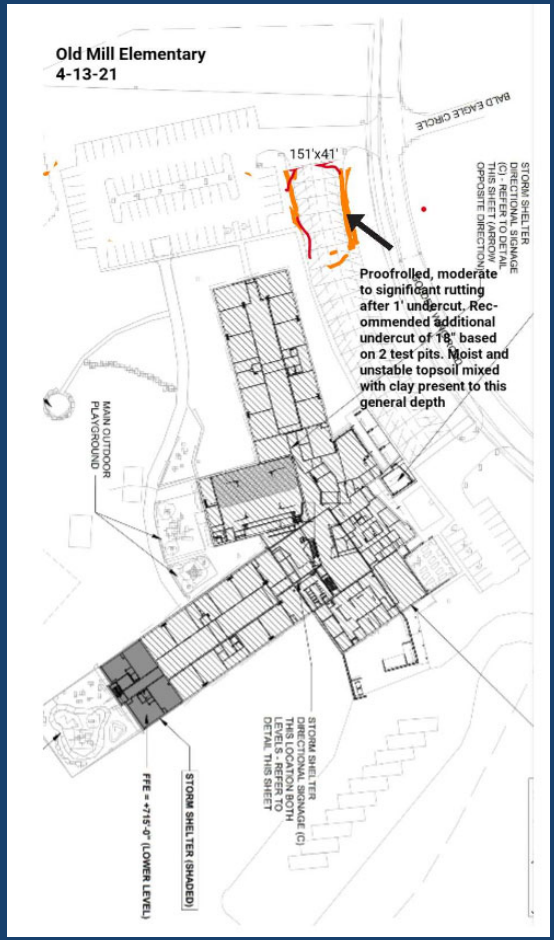
Use of the Soil Stabilization Allowance to Date:

At the north/west parking lot, additional soil remediation work was required to stabilize the soil ahead of rock placement. Following ECS' recommendation, a 151'x41' area was undercut 30-inches and replaced with suitable soils already on site. This work utilized two established Unit Prices for Earth Backfill and Additional Excavation. Actual quantities were tracked by ECS and will be billed accordingly. The work totaled $17,770.44.

The Soil Stabilization Allowance balance is $177,629.56.

No additional soil stabilization is required at the parking lots – and asphalt work will begin in the next few weeks.

As noted during the last progress meeting – the Soil Stabilization Allowance will be used for work at the Lower Level Retaining Wall as stabilization strategies are implemented. The two strategies being discussed are the use of river sand to displace water seeping into the trench and pouring a concrete mud mat to allow work to continue during wet conditions.



Upcoming Change Order – HBC Required Changes to School Design:

As a result of our request for a code variance for two storm shelter doors, the Department of Housing, Building and Construction (HBC) , the state code review agency, reevaluated the entire project and provided additional plan review comments that were required to be incorporated into the design. They issued their follow up review on April 2, 2021, which included 10 additional comments that had not been included in their initial Conditional Approval letter dated December 10, 2020.

Mr. Don Newberry with HBC provided the following note with the follow-up conditional approval letter:

> *First I would like to apologize for the way this project has been handled and that we are compelled to fully reevaluate this project resulting in an undue delay in this review process. Further we acknowledge several omissions in our evaluation which we have worked hard to resolve. This and the need to evaluate the variance request you have made related to the storm shelter provisions, prompted us to hold a meeting to discuss this project. This meeting included the technical staff involved and Gary Feck the Division Director.*

The position of the State was that the three classroom wings had the potential to be occupied with over 500-persons at a time, a situation which would require a third exit. The program design intent of those spaces does not align with their opinion. Currently, there is not an International Building Code provision that accounts for a school's capacity to be based on school population – I.E., if the collaborative hall is occupied, the classrooms are empty. This difference in calculations of building capacity resulted in a follow-up meeting and several written responses to further clarify our design position. In the end the HBC did agree with a revised calculation, as long some minor modifications were made to the school design.

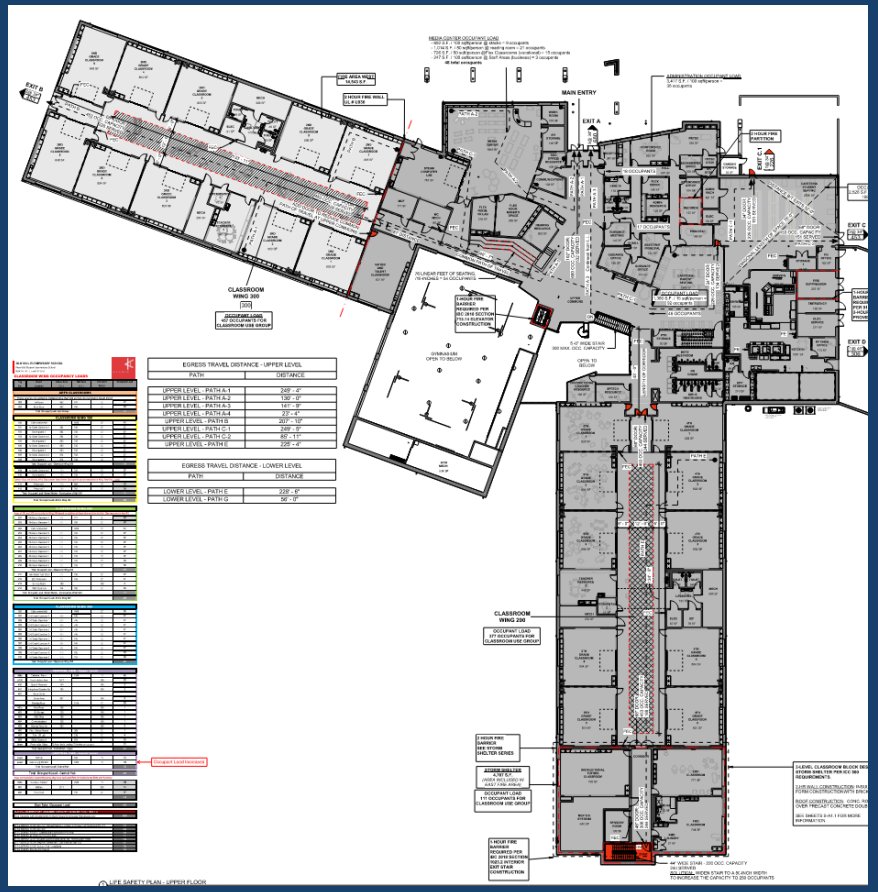
Upcoming Change Order – HBC Required Changes to School Design:

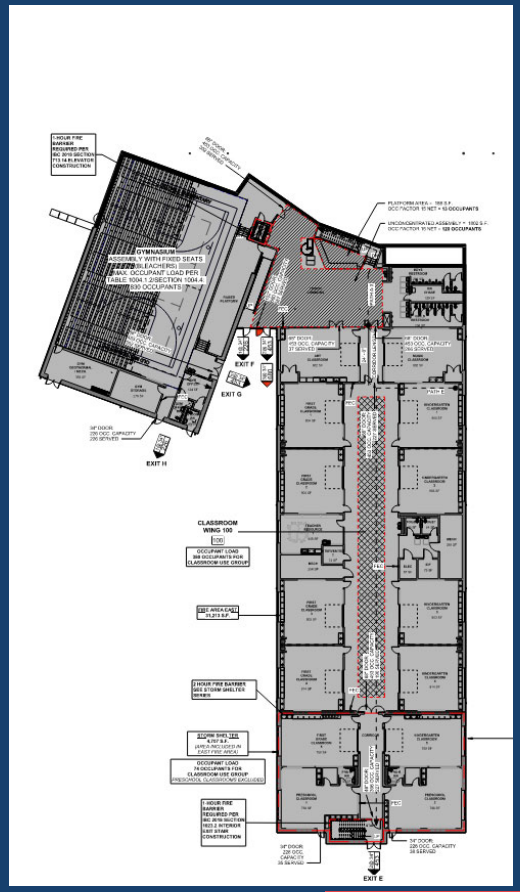
Summary of Changes

Increase width of Stair S101 by 12-inches; Add 5 New Doors, Modify 2 Door Locations & Hardware, Minor modifications to (2) storm shelter doors.

Pricing of these changes is not yet known but should be finalized by the next Board Meeting for your review and approval.

The changes described here do not sacrifice any classroom or teacher spaces or require the overall building size to increase.





Upcoming Change Order – HBC Required Changes to School Design:

Stair Width Change:

The time sensitive change is the stair width change – Redlee Construction stopped work at the south wall of the storm shelter pending HBC's decision. With HBC's confirmation that our design interpretation was acceptable, they will require the stair and associated structure to move 12-inches south to increase the width of the stair. Redlee Construction is moving ahead in good faith to keep to their construction schedule.

Ahead of change order, the team discussed the different trades effected by this revision. Essentially, it is a 12-inch slice added to the stair as shown in the diagram to the right. Redlee can move ahead with pouring the foundation and supplying the steel reinforcement. The ICF (Wall) Contractor will not charge for the additional scope at the walls because a revised wall mock-up scope had been agreed to. The other pricing items include additional material costs for brick veneer, steel stair material, and an extension of the roof by 12-inches which will be priced as a single change order request for review and approval.