



## Fleet Elementary School

### Community Newsletter (April 2018)

This is the April update on the status and progress of construction for the project. All monthly updates will also be posted to the project website and can be accessed via the following link: <https://www.apsva.us/design-and-construction/new-elementary-school-jefferson-site/>

Waterproofing of the garage foundation walls is ongoing. The waterproofing material is being attached to the steel & wood structure supporting the excavation, which will remain in place serving as the formwork for the outside wall of the garage foundation when the concrete walls are poured.

Installation of the below slab underdrainage system for purposes of removing any groundwater that gets below the lowest level garage floor slab is complete. In process at this time is installation of the below slab piping for the slab surface drains. Both underdrainage and slab surface drains will convey water to a large sump pit that has also been placed below slab. Any water collected in the sump pit will be filtered and then pumped out into the county storm sewer system.

Footings and wall/column foundation installation at the lowest level of the garage excavation is progressing. Concrete construction of the 2-level underground garage will be ongoing for approximately 2 months.

To expedite installation of footings and foundations, two mobile cranes are in place to transport reinforcing bar, tools, concrete formwork, and the concrete itself to various locations within the building footprint as needed.

It was originally envisioned that a single tower crane would be erected for transportation of materials around the site, but in order to prevent any part of the crane and boom from swinging over adjacent properties, it was decided to move forward with mobile cranes instead. Multiple mobile cranes are required in lieu of the tower crane to serve the entire building footprint since the mobile cranes don't have the reach that a tower crane would.

Preparations for concrete slab installation at the lower level of the garage are in process, with final grading, placement of stone sub-base, placement of below slab vapor barrier, and placement of reinforcing steel bar.

The future bus loop has been put on grade and stone sub-base installed in order to stabilize the grade and to allow the loop to serve as an access road for construction vehicles within the site during construction, and for emergency vehicle access to Jefferson Middle School.

Construction of improvements to the west sidewalk at South Old Glebe Rd are complete. The goal of the sidewalk improvements was to provide a clear 4-foot-wide path on the west sidewalk from the 1<sup>st</sup> Road South intersection to the northernmost extent of the project. Currently, there are utility poles right in the middle of the sidewalk at several locations. While the project did not have sufficient funds to move the poles out of the sidewalk (which is a very expensive operation) the county approved installation of sidewalk nubs around the poles to create a clear 4-foot-wide access path. Now that this work is complete and the sidewalk is re-opened to pedestrian traffic, the east sidewalk and parking lane will be closed and fenced in to facilitate construction of the garage and 4-story school structure. Notification of this closure has been provided to adjacent neighbors and the community in general.

The 1<sup>st</sup> phase of the water line replacement work in the South Old Glebe is complete. The 1<sup>st</sup> phase consisted of replacement of the existing 6" diameter service line with a new 8" diameter service line the length of South Old Glebe Road to better serve not only the new school, but also the adjacent neighborhood. The 2<sup>nd</sup> phase of the work will be to re-tap existing neighbor services into the new line. This will occur in the near future and advanced notice will be sent to all impacted adjacent neighbors, as the tie-in work will dictate a water service outage for a certain period of time



**GARAGE WALL FOOTINGS AND GARAGE WALL WATERPROOFING**



**INSTALL OF REINFORCING BAR FOR GARAGE WALLS**



**PLACEMENT OF FORMWORK FOR GARAGE WALLS**



**PLACEMENT OF FORMWORK FOR GARAGE COLUMNS**



**INSTALL OF BELOW SLAB PIPING FOR GARAGE IN-SLAB DRAINS**



**INSTALL OF GRAVEL BASE FOR GARAGE SLAB CONCRETE**



**INSTALL OF VAPOR BARRIER OVER GRAVEL BASE FOR GARAGE SLAB**



**OVERVIEW OF VAPOR BARRIER INSTALL FOR GARAGE SLAB**



**NEW CURB NUB AT SOUTH OLD GLEBE ROAD WEST SIDEWALK**



**WATERLINE REPLACEMENT IN SOUTH OLD GLEBE ROAD**



**TEMPORARY PAVEMENT PATCH AFTER WATERLINE REPLACEMENT**

Please contact me with any questions you may have regarding this update.

Steve Stricker  
Senior Project Manager  
Arlington Public Schools  
Design & Construction Services  
O 703-228-7749  
C 571-220-0048  
[steven.stricker@apsva.us](mailto:steven.stricker@apsva.us)