

Collin County Community College District Board of Trustees

2. Facilities and Construction Committee

February 25, 2021

Resource: Christopher Eyle
Vice President of Facilities & Construction

DISCUSSION ITEM: Consideration of Approval of the District President to Finalize Negotiations and Execute a Contract for Stormwater Drainage Repairs at the Plano Campus

DISCUSSION: The Plano Campus is experiencing widespread stormwater drainage issues underneath and around the main building which have caused significant water intrusion issues in the crawl space and affected the grounds around the building, leading to concrete upheaval and depressions, and potential ADA violations.

Stormwater basins/drains that are meant to alleviate stormwater drainage issues shifted above grade in some areas making them ineffective, and a number of French drains have failed. Due to failed drainage systems, water has started to wash out the soil under some of the building's flat work contributing to unlevel surfaces. The soil is being washed away below the foundation walls, allowing large amounts of stormwater to create rivers and ponds under the building.

The current risks due to these drainage issues include decreased indoor air quality due to elevated moisture levels under the building; potential injuries to our students, faculty, and staff due to unlevel working and walking surfaces; potential or structural damage due to the erosion and shifting of the soil; increased rodents, bugs and pests; potential electrical and electronic equipment failures; and potential ADA violations.

In discussions with RLK Engineering, District Staff recommends:

- Installation of four-foot wide concrete flumes along with catch basins and drain pipes adjacent to the existing building in areas where existing French drains appear to have failed to capture drainage currently infiltrating into the existing French drain embedment, adjacent pavement subgrade, and building crawl space
- Lowering of four existing catch basins to collect surface drainage currently contributing to the drainage issues
- Perform a minor amount of grading and sodding adjacent to the flumes and inlets in order to improve drainage

Formal solicitations will be issued and evaluated to determine the contractor. This project will be funded from available funds in the Facilities and Construction Renewal and Replacement budget.

Ideally this work could be done over the summer of 2021. Delegating authority to the District President to contract for these services will expedite the work to be performed.