

In addition to the current site plans, the civil scope will include re-grading the 3 courtyards between the individual, existing building wings in order to restore the original drainage characteristics. See attached Exhibit showing the areas to be included and list of allowance quantities below. The scope will include large tree removal for trees immediately adjacent to the buildings that are causing water infiltration and potential foundation damage to the existing building. The intent is to restore the original grades to provide positive drainage away from the building and toward the existing drainage structures in the courtyards. It is anticipated that the existing drainage system will need to be thoroughly cleaned to remove any debris and some repairs to the system should be anticipated in the form of failed pipe sections. The restored courtyards are intended to provide for water quality improvements to meet the City of Savannah Storm Water Ordinance. Improvements are anticipated to include the creation of grass swales and bio retention areas for storm water quality and may require adjustments to the existing inlet frames.

Contractor should also anticipate installing perimeter area drainage around the northern most wing of the school adjacent to the tennis courts as water entrapment between the existing sidewalk and building needs to be corrected. Re-grading alone is not anticipated to correct the problem and it is likely that NDS type inlet structures and HDPE piping will need to be installed to alleviate the water ponding in this area.

- Clean existing drainage system
Approximately 400LF 15" ϕ HDPE, 190 LF 18" ϕ HDPE and 105 LF 24" ϕ HDPE
10 drainage structures
- Replace existing damaged pipe in drainage system
Approximately 30 LF 15" ϕ HDPE
- Remove concrete sidewalk running perpendicular to existing courtyards and replace with 5' wide sidewalk
Approximately 400 LF
- Re-grade existing courtyards 1 and 2
Approximately 15,000 SF
Remove excess material
Excavate approximately 1,250 CF from each courtyard to form a 100'Lx15'Wx1.25'D dry swale in each (total 2,500 CF)
Vegetated each dry swale with approximately 8 willow oaks, approximately 40' inkberry shrubs, approximately 600 SF switchgrass and approximately 900 SF Bermuda grass
- Re-grade to drain courtyard 3
Minor grading to restore existing drainage pattern
Grass approximately 2,000 SF regrade area
- Remove five existing large diameter trees from courtyards
Trees range from approximately 36" to 48" in diameter and are immediately adjacent to existing building
- Install area drainage between existing sidewalk and building adjacent to existing tennis courts
Approximately 150 LF 6" ϕ subgrade drain with rock to create modified French drain
5 NDS style 6" ϕ area drains
Grade approximately 1,200 SF to drain

CONVERT GRATE INLET
TO JUNCTION BOX

CONSTRUCT STORM M.H.
CONNECT EXIST. 12" STORM PIPE TO NEW SYSTEM

BENCHMARK
NAIL IN LIGHT POLE
ELEV. = 17.06 M.S.L.

EXISTING CAFETERIA

EXISTING COURTYARD 1

EXISTING COURTYARD 2

EXISTING COURTYARD 3

DRAINAGE MODIFICATIONS

EXISTING
TENNIS
COURTS

MODULAR BLDG. TO BE
REMOVED (TYP. 4 PLACES)

SCALE : 1" ≈ 50'

