

**DIVISION 32 – EXTERIOR IMPROVEMENTS****32 05 13 – Soils for Exterior Improvements**

1. All lawn areas shall consist of a minimum of 8” of screened and amended (compost added 15-20% minimum) topsoil, raked and hydro-seeded using specified grass seed mix. Include an alternate price for 12” of topsoil.
2. Landscaped bedding areas shall be a minimum of 18 inches of screened and amended topsoil with an organic content of 40%.

**32 12 16 – Asphalt Paving**

1. Parking and Roadways
  - a. Well compacted sub-grade
  - b. Geotextile Fabric- Mirafi 500x or as directed by Engineer
  - c. 12 inch #2 Crusher Run stone sub-base, NYSDOT Item 304.12
  - d. 3 inch base asphalt
  - e. 2 inch asphalt concrete binder course NYSDOT item 403.13 Type 3
  - f. 1 1/2 inch asphalt concrete top course NYSDOT Item 403.19 Type 7
  - g. Under drain as determined by Engineer
  - h. Compaction testing to 95% proctor value
  - i. Existing pavement to be saw cut and tack coat cuts as required. NYSDOT item 407.01
  - j. Seams to be, at minimum, 45 degree angles.
  - k. Asphalt concrete truing and leveling course NYSDOT item 403.2.1
  - l. Check with RIT Project Manager to confirm if heavy duty pavement detail is required.
2. Walkways
  - a. Well compacted sub-grade
  - b. Geotextile fabric-Mirafi 500X or as directed by Engineer
  - c. 12 inch #2 crusher run stone sub-base, NYSDOT item 304.12
  - d. 3 inch asphalt concrete binder course NYSDOT item 403.13 type 3
  - e. 1 1/2 inch asphalt concrete top course NYSDOT item 403.19
  - f. Must have a clear, unobstructed width of at least 8-feet
  - g. Sawcuts to be diagonal

**32 13 13 – Concrete Paving**

1. Well compacted sub-grade.
2. Geotextile fabric-Mirafi 500X or as directed by Engineer
3. 6 inch #2 crusher run stone sub-base, NYSDOT item 304.12 type 2
4. 6 inch concrete, minimum 4000 psi (broom finish) including 6x6x6 WWM. Expansion joint every 50 feet
5. Concrete to receive 2 coats of a membrane finish sealer applied at rates specified by product manufacturer
6. Control joints to be 1/8 inch wide saw cut, 1/3 slab depth thickness
7. Must have a clear, unobstructed width of at least 8-feet minimum

**32 14 13 – Precast Concrete Pavers**

1. Shall be “prest brick” as manufactured by Hanover Architectural Products, 240 Bender road, Hanover, PA 17331, or approved equal.
2. Width: 4” Length: 8”, Thickness: 3”
3. Four color scheme of custom blended colors: Tan, Brown, Red/Brown (B92453), and Charcoal
4. 1” leveling course
5. 6” concrete base course (reinforced with wire mesh)
6. 12” compacted subbase
7. Where pavement abuts lawn or a shrub bed, provide a paver edge. Extend gravel under slab 3-5” from edge of pavers to allow for installation.

**32 16 40 – Curbing**

1. Granite 5 inch wide x 16 inch deep with 6 inch reveal
2. Compacted sub-base
3. Underdrain
4. Set on dry concrete
5. Backed up with wet concrete

## **32 17 23 – Pavement Markings**

1. Parking spaces to be 9 feet 0 inch wide center to center with 4 inch solid yellow painted lines.
2. Handicapped spaces, access aisles and signage to be per NYS Building Code
  - a. Access aisles to be 8'-0"

## **32 35 00 – Screening Devices**

1. Dumpster enclosures shall be a 9-foot high steel wall panel system matching Centria #BR5-36 (20 ga.). The color shall be 9911 Pebble or approved equal. A second option, if approved by the Director of Planning and Design is to match #390 Surrey Beige from Flexospan standard colors; with a Flexshield Kynar 500/Hylar 5000 siliconized polyester finish.

## **32 93 43 – Plants**

1. Show that the landscape does not require a permanent irrigation system beyond a maximum two-year establishment period.

## **32 93 43 – Trees**

1. Ornamental trees shall be planted at least 12-15 feet outside of the footprint of the nearest building.
2. Shade trees shall be planted at least 20-25 feet outside of the footprint of the nearest building.
3. Design consultant shall review tree placement with the FMS Grounds Foreman prior to issuance of bid documents.
4. Callery pear trees (*pyrus calleryana*) shall not be accepted.

**END OF DIVISION 32**