

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

END OF DIVISION 32