### Structural Notes

**LEGEND**

**PROPOSED**

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### General Notes

1. **Surface Coatings:** 
   - Apply the specified surface coating to the pavement.
   - Ensure the coating is uniformly applied and free from defects.

2. **Drainage:** 
   - Install proper drainage systems to prevent water pooling and erosion.
   - Ensure proper slope and alignment.

3. **Base Materials:** 
   - Use high-quality base materials that meet specified strength and durability requirements.
   - Ensure proper compaction and uniform distribution.

4. **Subgrade Preparation:** 
   - Prepare the subgrade to acceptable levels of moisture content and density.
   - Remove all debris and foreign objects to prevent damage to the pavement system.

5. **Joint Details:** 
   - Design and install joints to accommodate expansion and contraction of the pavement.
   - Ensure proper sealing of joints to prevent water penetration.

6. **Quality Control:** 
   - Regularly monitor and inspect the construction process.
   - Maintain records of materials, inspections, and test results.

### Diagrams

- [Typical Section: Full Depth Pavement](#)
- [Typical Section: Sidewalk](#)
- [Typical Section: New Curb](#)
- [Pavement Detail: For Added Parking Lot Pavement](#)
**Standard Details & Specifications**

**Concrete Washout**

**Construction Notes:**

1. Concrete washout area must be minimum of 10 feet of open space, covered, concrete filler, and rebar reinforcement.

2. Washout area must be sufficient to accommodate concrete washout and rebar reinforcement.

3. Minimum dimension of rebar reinforcement is 4 x 6 feet in 1 foot increments. These dimensions are consistent with standard construction practices and are designed to accommodate concrete washout and rebar reinforcement. Washout area must be at least 2 feet above grade to prevent excess concrete washout and rebar reinforcement from being washed away or washed back into the excavation.

4. Washout area must be covered with a suitable drainage system to prevent excess concrete washout and rebar reinforcement from being washed away or being washed back into the excavation.

5. A washout system must be installed to accommodate concrete washout and rebar reinforcement. This system must be designed to prevent excess concrete washout and rebar reinforcement from being washed away or being washed back into the excavation.

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Source:
- Adopted from Constructions Standards Manual (September Collection), Vol. 2
- DE-ESC-3-2-2 Sheet 2 of 2

**Topsoiling**

**Construction Notes:**

1. Topsoil shall be a mixture of sand, silt, clay, and organic matter.

2. Topsoil shall be applied to the root zone of the native soil and any subsoil material. The soil shall be thoroughly mixed and compacted to ensure proper drainage and water infiltration.

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Source:
- USGS - NES
- DE-ESC-3-4-1 Sheet 1 of 2

**Pumping Pit - Type B**

**Construction Notes:**

1. The pumping pit shall be constructed of concrete and shall be designed to accommodate the discharge of water and sediment from the excavation.

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Source:
- USGS - NES
- DE-ESC-3-3-2 Sheet 1 of 2

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Source:
- Adopted from Constructions Standards Manual (September Collection), Vol. 2
- DE-ESC-3-2-2 Sheet 2 of 2

**Dust Control**

**Temporary Methods:**

1. Vegetation - Trees or shrubs: DE-ESC-4-5B, Standard Details and Specifications for Vegetative Stabilization

2. Arches - Snow melter with only one arch on main road: Snowfall on the area. This type of method is effective in preventing dust and erosion.

Source:
- DE-ESC-4-4-3 Sheet 1 of 1

Standard Detail & Specifications

**Mulching**

- Application
  - Mulch products generally exist either hot or cold processed and are intended for use in landscaping and soil amendment applications. Hot processed products are typically made by a process of pyrolysis or torrefaction, where the organic material is heated to a high temperature in the absence of oxygen, resulting in the production of a charcoal-like product. Cold processed products are typically made by a process of composting or digester processes, where the organic material is broken down by microorganisms.

**Portable Sediment Tank**

- Construction Notes
  - 1. Required storage volume = 1.0 m³ of 10g/m³ pump discharge.
  - 2. Tents may be connected in series to provide longer recirculation.

**Vegetative Stabilization**

- Temperature Dependency of Fines
  - Fine sand (0.050 mm size) may be used in accordance with the Department of Transportation.

- Standardization and Specifications Sheet C-1.0
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Source: Delware ESC Handbook & MBE International
Sheet: DE-ESC-4-3.0 Sheet 1-1
Effective: FEB 2019