IV. FIVE CUBIC YARDS

All piles shall be in a cross section.

A. General Requirements

1. Materials - (Steel Piles)

- This pile and its appurtenances shall be of steel that is structurally acceptable and shall meet or exceed requirements of ASTM A 252, Structural Carbon Steel Tubular Piles, for Grade B, Grade C, or Grade D, as applicable. The pile shall be supplied in the as-rolled condition. The pile shall be equipped with a standard, single-lap, butt weld, except where specified otherwise. The piling shall be manufactured in accordance with the American Society for Testing and Materials (ASTM) specifications. All material shall be produced by an established and reputable manufacturer.

2. Size - All connections with piles shall be capable of withstanding the loads and stresses as specified in the project specifications. All piles shall be furnished as specified in the project specifications.

3. Bedding - The pile shall be driven to the level of the finished elevation, after which the pile shall be placed and bedded in accordance with the specifications and the instructions of the engineer. The bedding shall be made by the use of a suitable material capable of withstanding the loads and stresses as specified in the project specifications.

4. Laying piles - The pile shall be placed and bedded in accordance with the specifications and the instructions of the engineer. The bedding shall be made by the use of a suitable material capable of withstanding the loads and stresses as specified in the project specifications.

5. Nailing piles - Structural nails shall be used as shown in the drawings.

6. Other details (anti-skew collars, etc.), shall be as shown on the drawings.

B. General Observations

1. General - This pile and its appurtenances shall conform to the latest ASME specifications.

2. Protection - The pile shall be protected from damage caused by heat, cold, moisture, or other adverse conditions.

3. Reinforcing steel - The reinforcing steel shall be deformed bars of the following grades: A 302, A 500 or A 615, as specified in the project specifications.

4. Reinforcement - The concrete shall be placed and bedded in accordance with the specifications and the instructions of the engineer. The bedding shall be made by the use of a suitable material capable of withstanding the loads and stresses as specified in the project specifications.

5. Winding - The concrete shall be placed and bedded in accordance with the specifications and the instructions of the engineer. The bedding shall be made by the use of a suitable material capable of withstanding the loads and stresses as specified in the project specifications.

C. Certification

This pile and its appurtenances shall conform to the latest ASME specifications. The pile shall be protected from damage caused by heat, cold, moisture, or other adverse conditions. The reinforcing steel shall be deformed bars of the following grades: A 302, A 500 or A 615, as specified in the project specifications. The concrete shall be placed and bedded in accordance with the specifications and the instructions of the engineer.

D. Responsible engineer certification

The responsible engineer shall attest to the above and shall be responsible for the design and construction of the pile and its appurtenances.

The pile and its appurtenances shall conform to the latest ASME specifications. The pile shall be protected from damage caused by heat, cold, moisture, or other adverse conditions. The reinforcing steel shall be deformed bars of the following grades: A 302, A 500 or A 615, as specified in the project specifications. The concrete shall be placed and bedded in accordance with the specifications and the instructions of the engineer.
TYPICAL SECTION - COLUMBIA GATEWAY DRIVE
STATION 11+01 TO STATION 11+05.0
HSE Scale

TYPICAL SECTION - COLUMBIA GATEWAY DRIVE
STATION 10+75 TO STATION 11+05.0
HSE Scale

TYPICAL SECTION - COLUMBIA GATEWAY DRIVE
STATION 0+00 TO STATION 10+75
HSE Scale

TYPICAL PAVING SECTIONS
HSE Scale

STANDARD 1ST COMBINATION CURB AND GUTTER
HSE Scale

REVERSE 1ST COMBINATION CURB AND GUTTER
HSE Scale