

**SECTION 02061**

**SELECT AGGREGATE**

**PART 1 GENERAL**

**1.1 SECTION INCLUDES**

- A. Select fill materials and procedures.

**1.2 RELATED SECTIONS**

- A. Section 02324: Compaction.
- B. Section 02721: Untreated Base Course (UTBC).

**1.3 DEFINITIONS**

- A. Select fill: Aggregate materials meeting requirements of this Section.

**1.4 QUALITY ASSURANCE**

- A. Remove products found defective after installation and install acceptable products at no additional cost to the Department.

**PART 2 PRODUCTS**

**2.1 FREE DRAINING GRANULAR BACKFILL BORROW**

A. Natural aggregate or crushed slag to meet the following gradation:

**Table 1**

| <b>Free Draining Granular Backfill Borrow Gradation</b> |                        |
|---|------------------------|
| <b>Sieve Size</b>                                       | <b>Percent Passing</b> |
| 1-1/2 inch  | 100                    |
| 1 inch  | 95 to 100              |
| 1/2 inch  | 25 to 60               |
| No. 4   | 0 to 10                |

**2.2 UNDERDRAIN GRANULAR BACKFILL**

A. Use the following gradations:

**Table 2**

| <b>Underdrain Granular Backfill Gradation</b> |                                   |                                   |
|---|-----------------------------------|-----------------------------------|
| <b>Sieve Size</b>                             | <b>Type A<br/>Percent passing</b> | <b>Type B<br/>Percent passing</b> |
| 2-1/2 inches                                  | 100                               |                                   |
| 1-1/2 inch                                    | 80 - 100                          | 100                               |
| 1/2 inch                                      | 55 - 75                           | 50 - 80                           |
| No. 4   | 30 - 60                           | 30 - 65                           |
| No. 40  | 10 - 25                           | 10 - 30                           |
| No. 200                                       | 0 - 3                             | 0 - 3                             |

## **PART 3      EXECUTION**

### **3.1      INSTALLATION**

#### **A.      Underdrain:**

1.      Excavate a trench 3 inches below the underdrain pipe flow-line. Widen to 2 feet plus the outside diameter of the underdrain pipe.
2.      Place underdrain granular backfill in the trench and compact the bottom 3 inches with two passes of a vibratory roller.
3.      Back fill to 12 inches above top of pipe with underdrain granular backfill.
4.      Compact backfill material in 6 inch layers to a 96 percent density when placing the underdrain under a roadway.

END OF SECTION