### SECTION 208 – TRENCH EXCAVATION AND BACKFILL

**DESCRIPTION**

**208.01.01 GENERAL**

ADD THE FOLLOWING TO THIS SUBSECTION:

E. Frequency of quality control field inspection and testing shall be in accordance with the approved Quality Control Program Manual detailed in Section 105.

F. Ponding and jetting will not be allowed on City of Las Vegas projects.

**MATERIAL**

**208.02.08 CRUSHED ROCK**

ADD THE FOLLOWING TO THIS SUBSECTION:

B. Unless otherwise shown in the plans, crushed rock will not be permitted as structural or trench backfill.

ADD THE FOLLOWING SUBSECTION TO THIS SECTION:

**208.02.70 STRUCTURAL BACKFILL**

A. Structural backfill shall consist of material conforming to subsection 207.02.02 “Granular Backfill” or subsection 207.02.01 “Selected Backfill”. Additionally, the backfill material shall be non-gypsiferous (solubility less than 4%), have an expansion potential less than 4%, shall be free of vegetation and debris and contain no rocks larger than four inches nominal diameter. Crushed rock will not be permitted as structural or trench backfill unless otherwise noted on the plans.

**CONSTRUCTION**

**208.03.01 TRENCH EXCAVATION, GENERAL**

ADD THE FOLLOWING TO THIS SUBSECTION:

C. Trenching and shoring operations shall be conducted in accordance with 29 CFR (Code of Federal Regulations) Part 1926, Occupational Safety and Health Standards (OSHA) – Subpart P – Excavations (July 1, 1990).

**208.03.03 MAXIMUM TRENCH WIDTH**

***delete PARAGRAPH “b” and replace with the following:***

B. Except when otherwise specified or ordered by the Engineer, the bottom of the trench shall be excavated uniformly to the grade or depth indicated on the drawings. The maximum amount of open trench permitted in any one location shall be per Section 624 of these Special Provisions. Trench shall be considered open until backfilled to the top of subgrade. Trenches crossing streets shall be completely backfilled immediately after pipe, wire, or conduit installation.

**208.03.12 PIPE BEDDING**

***ADD THE FOLLOWING TO THIS SUBSECTION:***

[NOTE TO SPEC WRITER: Consider showing a trench bedding and backfill detail on the plans for precast RCB’s with review by geotechnical consultant and CLV CM. If no detail is provided then add the following text:

G. For precast reinforced concrete boxes provide a minimum 2-inch sand leveling course (over native soil or 4 to 6-Inch Type II) as bedding.]

**208.03.21 CUTTING AND RESTORING STREET SURFACING**

***ADD THE FOLLOWING TO THIS SUBSECTION:***

Q. Pavement in the area of the trench excavation shall be sawcut.

R. Cold mix patches will not be allowed.

**METHOD OF MEASUREMENT**

**208.04.01 MEASUREMENT**

***ADD THE FOLLOWING TO THIS SUBSECTION:***

The quantity of PERMANENT PATCH will be measured per square yard, complete, in place and conforming to all requirements herein.

No direct measurement shall be made for [FILL IN ITEM DESCRIPTION].

**BASIS OF PAYMENT**

**208.05.01 PAYMENT**

ADD THE FOLLOWING TO THIS SUBSECTION:

The accepted quantity of PERMANENT PATCH will be paid for at the contract unit price of square yard and shall conform to the requirements of Subsection 208.05.01 of the Uniform Standard Specifications.

The accepted quantity of [FILL IN ITEM DESCRIPTION] will be paid for at the contract unit price of [UNIT] and shall include all materials, equipment and labor required including, but not limited to, [FILL IN] and all other items necessary to complete the work as shown on the Plans, as specified herein and as directed by the Engineer.

The accepted quantity of [FILL IN ITEM DESCRIPTION] will be paid for at the contract unit price of [UNIT] and shall conform to the requirements of subsection 208.05.01 of the Uniform Standard Specifications and shall include all materials, equipment, labor and disposal required to perform this work and all work as shown on the Plans, as specified herein and as directed by the Engineer. The above payment shall also include,

Unless otherwise provided in the Special Provisions, no payment will be made for [FILL IN ITEM DESCRIPTION] as such. The cost thereof shall be considered as included in the price bid for construction or installation of the items to which [FILL IN ITEM DESCRIPTION] is required.

Payment will be made under:

|  |  |  |
| --- | --- | --- |
| **ITEM NO.** | **ITEM DESCRIPTION** | **UOM** |
| 208.0100 | PERMANENT PATCH | SY |

**END OF SECTION 208**