

Mille Mate sheet Mille Sate

SECTIONS NOTES

REGISTAL

For nurnoses of acceptance, the in-place density of th fill shall be defined as that determined by the sand cone method (AST1 D1556) or by nuclear methods (AST1 D2922). Engineered fill compaction requirements shall apply to all utility trench, retaining wall and other backfill in the various areas of the project designated for site grading.

Original ground preparation beneath building slab support fill Moisture content of the native soils and fill shall be at or above the ontimum moisture content. This will tend to reduce the swelling notential of the native soils. ort fill

Building slab sun Exterior slab sun Granular base

The plasticity index of the fraction passing the nosieve, as determined by $\Lambda ST1~D4.23$ and D4.24, shall not exceed 15. Taximum density and optimum moisture content of the engineered fill and granular base shall be determined by ASTI D1557. Taterials in the various areas of the project shall be compacted within the ranges of the following percentages of maximum density. OF COMPACTION Percent of laximum Density

Engineered fill shall be free of vegetation, debris and other deleterious material and shall meet the following requirements as determined by ASTM D422.

Sieve Size
(Square Openings)

4 inch

The fraction of material bassing the no. 40 sieve shall be nonplastic when tested by ASTI D423 and D424. The coarse aggregate shall have a percent of wear, when subjected to the Los Angeles abrasion test (ASTI D131), of no greater than 45.

100 95-100 35-75

Lifts shall have a thic than 8 inches. OUALITY REQUIREMENTS

Granular base shall be free of vegetation, debris and other deleterious material. It shall meet the following requirements as determined by ASTA D422. Sieve Size uare Onenings)

Techanical compaction equipment shall be used in all grading onerations. In no case shall "water settling" or jetting be employed. Where vibratory compaction equipment is used, it shall be the contractor's responsibility to insure that vibrations do not damage nearby buildings or other adjacent property. EQUIPME

The upper 6 inches of native soils upon which fills are to be constructed and the upper 6 inches of soils beneath cut surfaces shall be scarified, brought of the optimum moisture content or above, and compacted to the requirements given below.

Clearing and stripping, any required overexcavation of existing surface soils, compaction of the surface of the native soils and placement and compaction of the engineered fill material shall extend for a horizontal distance outside the perimeters of the building, exterior slabs, pavement, etc., equal to the depth of engineered fill. The building perimeter shall be considered as being the extreme outer edge of footings in determining the required lateral extent of engineered fill. All vegetation and debris shall be removed from through out the site. Stumps, matted roots and roots larger than 2 inches in diameter shall be removed from within 6 inches of the surface of areas upon which fills are to be constructed.

The soils engineer shall act as the Owner's representative and shall make observations of site grading operations and tests as considered necessary for quality control. Where foundations or other critical elements are to be supported on engineered fill, continuous observations and tests of grading operations shall be made by the soils engineer. All tests shall be performed in accordance with procedures det forth in the 1975 Book of Standards of the American Society of Testing and Materials (ASTM).

Fabricator shall locate and design field splices for his convenience in shipping and/or erection. These splices shall be designed for field welding and shall be approve by the Architect.

Wherever practicable for erection, angle and plate connections shall be show welded to one member to minimize bolted connections.

All welds shall be made by currently certified welders.

Unless noted or detailed, all connections shall be made with ASTI A325 H.S. bolts. All connections shall comply with A.I.S.C. Manual of Steel Construction.