

1.06 WEATHER LIMITATIONS: Construct base course only when temperature is above 40 degrees F and rising. When temperature is below 35 degrees F protect areas of completed base course against detrimental

The base course material shall have a plasticity index of no greater than 5 when tested in accordance with ASTM D4318. The aggregate shall have a percent of wear of no greater than 50 when tested in accordance

PREPARATION OF SUBGRADE: Assure that subgrade is of proper shape, alignment, stope and compaction. Correct ruts, soft-yield spots and other subgrade imperfections by loosening material and removing it

A. Haul aggregate and binder material, either separately or as a combined mixture, in approved pneumatic-tired vehicles. Place material uniformly in such manner that when mixed, spread and compacted layer of

GRADE CONTROL: Maintain lines and grades shown on drawing by means of grade stakes spaced not over 50 feet apart so that string lines may be stretched between stakes.

A. Compact with power rollers, rubber tired rollers, or combinations thereof. Use mechanical tampers in inaccessible places. Compact to a density of 95% of Proctor Density.

with the ASTM D131 test methods. The base course material shall be compacted to at least 95 percent of the ASTM D1557 maximum dry density or 70 percent of the ASTM D4253 relative density, as applicable.

1.07 EQUIPMENT: All equipment shall be Contractor option, suitable for particular purpose for which it is used, capable of producing specified result.

Aggregate base course material shall meet the following gradation requirements when tested in accordance with the ASTM C 136 test method.

OTHER ADDITIVES: Other additives shall be added to base course material only after the prior approval of Engineer

ssary adding new approved material as needed, reshaping and recompacting to proper line and grade

composite material shall conform to gradation and grade control requirements specified and thickness shown on drawings

1. Thickness over 6-inches: Place and compact in two or more approximately equal layers, no layer more than 6 inches in denth

By Weight

80-100

40-70

PART 2 - PRODUCTS

(Square Openings)

3/4 inch

No. 4

1.08 MUNICIPAL STANDARDS: Stabilized aggregate base course work done on municipal property under this contract shall conform to appropriate municipal specifications.

2. Smoothness Tests: No deviation in excess of 3/8 inches when tested with 10' straight-edge.

3. Thickness Control: Check thickness by means of 3 inch diameter test holes taken at a rate of one hole per 500 SY. Thickness shall be within 1/2 inch plus or minus of the required thickness

3.05 CORRECTIONS: Correct deficiencies in compaction, smoothness or thickness by scarifying; regrading and recompacting as required to correct deficiency

1. Test in-place, compacted base course for density and thickness, as herein specified. Perform one test for each 500 SY, but not less than one test per day, unless otherwise specified or directed.

2. Deficient Paving: In event in-place testing reveals deficiencies in base course Contractor shall make such correction or repair as may be required by Engineer, and shall conduct such additional testing as may be

ASPHALT PAVING

1.02 QUALITY ASSURANCE: Perform all work in compliance with applicable provisions of the New Mexico State Highway Specifications unless noted.

PART 2 - PRODUCTS

2.01 MATERIALS A. Base Course

Material: Test and certified by an approved testing laboratory to conform to CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION, UPDATE NO 9. asphaltic concrete type.

- 4. Compacted Thickness: Six (6) inches unless otherwise shown
- 5. Spreading: Place material with spreaders capable of laying material in uniform thickness without segregation. Use only equipment having wheels that do not dig into subgrade.
- 6. Compaction: In accordance with SOIL COMPACTION Section. Compact each layer through full depth to not less than 95 percent modified of Proctor Density
- 7. Moisture Content: Maintain at optimum during compaction,
- 8. Grade Control: When tested with a 12-foot straightedge, finish surface deviation in excess of 3/8 inch shall be corrected.
- 9. Density Test: In accordance with AASHO-T-205, Make one test for each 1,000 square vards.
- 10. Corrective Action: As directed by Architect to correct deficient course, improper gradation or material, or inadequate compaction
- B. Tack and Prime Coats: Conform to New Mexico State Highway Specification
- C. Surface Course: Conform to New Mexico State Highway Specifications.
- 2.02 PAVEMENT MARKINGS: Markings shall be with a cholorinated-rubber based traffic paint, white in color. Apply paint with mechanical equipment to produce uniform lines,

PART 3 - EXECUTION

- 3.01 GENERAL: All work shall be done in accordance with the New Mexico State Highway Specifications.
- 3.02 PAVEMENT MARKINGS: Provide pavement markings as shown on the drawings, including parking stripes and handicap symbols. Use 4 inch wide stripes when marking parking spaces. Apply paint with chanical equipment to produce uniform straight edges. Apply in 2 coats at manufacturers recommended rates
- 3.03 PROTECTION: Protect the subgrade base course and surface course at all times from damage due to construction operations or improper drainage. Repair damage as directed by the Architect.

GENERAL NOTES: 1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREIN, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION, UPDATE NO 9.

PAVING CONSTRUCTION NOTES

5I6N TYPE R7-8 (12"x18") sign field is white

SIGN TYPE R7-8A (6"x12")

- sign field is white

- Sion Pole

(TO BE INCLUDED

WHERE INDICATED)

ACCESSIBLE PARKING SIGN DETAIL

AC SURFACE COURSE 1 1/2" TYPE B,

12" OF 90% MIN COMPACTION

RESERVED

PARKING

Violatie≋ fine \$250-\$500 Towed at owner's expense

00-7-352.5 NMSA 1978

VAN

ACCESSIBLE

FINISH SURFACE OF SUBGRADE SHALL BE MOISTURE CONTROLLED AT COMPACTION MOISTURE RANGE, AND/OR PRIME COAT

APPLIED AS REQUIRED BY THE ENGINEER .-

UTILITIES CONSTRUCTION IS COMPLETED.

COMPLETED SUBGRADE PREPARATION SHALL

BE PERFORMED AFTER ALL SUBSURFACE R/W

Non-van accessible spaces

bottom of this sign

ANSI 502.7

ANSI 502.7

60" min. above ground

Van accessible spaces

60" min. above the ground

bottom of this sign

- sign lettering and border are green

is white on a blue background TO BE INCLUDED

- International Symbol of Accessibility

Recommended optional language

- sign lettering and border are green

NOT TO SCALE

1 1/2" TYPE B

IN THIS AREA)

AC PAVEMENT COURSE

-6" AGGREGATE BASE

COURSE (CONTRACTOR

MAY COMBINE PULVERIZED

ASPHALT FROM REMOVAL

DESCRIPTION

BUILD ASPHALT PAVING, PER TYPICAL SECTION THIS SHEET

2. THE EROSION PROTECTION SPECIFIED ON THIS PLAN IS THE MINIMUM RECOMMENDED. THE OWNER IS ENCOURAGED TO INCORPORATE EROSION RESISTANT LANDSCAPING ON AREAS WHERE EROSION MAY OCCUR SUCH AS SLOPES AND SWALES. THE OWNER IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION CONTROL FEATURES NECESSARY TO PRESERVE THE DESIGN INTENT OF THE GRADING PLAN.

3. THE DRAINAGE INFRASTRUCTURE SHOWN ON THIS PLAN IS THE RESPONSIBLITY OF THE PROPERTY OWNER.

4. ALL DISTURBED AREAS OUTSIDE THE BUILDING PAD MUST BE RESEEDED OR LANDSCAPED

5. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION. CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, (260-1990) FOR LOCATION OF EXISTING UTILITIES.

6. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS AND EXISTING PAVEMENT SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM OF DELAY.

EROSION CONTROL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.

2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.

3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.

4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITES IS THE RESPONSIBILITY OF THE CONTRACTOR.

5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL (CITY) ACCEPTANCE OF ANY PROJECT.

REVISIONS:

vd., NE 87110

3109 San Mateo Blv Albuquerque, NM 8

DATE: 5.14.16 JOB NO: DRAWN BY: SHEET NUMBER:

C. Weather Limitations: Controlled fill shall not be constructed when the atmospheric temperature is below 35 degrees F. When the temperature falls below 35 degrees, it shall be the responsibility of the contractor to 3.02 D. Slope Protection & Draining: The edges of the controlled fill embankments shall be graded to the contours shown on the drawings and compacted to the density required in paragraph 3.01.B. Slopes steeper than one 3.02 <u>INSPECTION & TEST</u>

PART 1 - GENERAL

PART 2 - PRODUCTS

2.01 EMBANKMENT

3.01 CONSTRUCTION

Sieve Size

(Square Openings)

by Weight

Physical Characteristics: Embankment fill material shall consist of soils that conform to the following physical characteristics;

involved, and shall pay all expenses in developing the source, including the cost of right-of-way required for hauling the material.

compacted by the contractor in conformance with requirement of this specification without additional cost to the owner.

1. One (1) field density test for each 500 square yards of original ground surface prior to placing fill or constructing floor slabs.

(1) vertical to three (3) horizontal shall be protected from erosion.

The plasticity index of the material, as determined in accordance with ASTM D4318, shall not exceed 12. Results of our investigation indicate that most of the on-site soils will meet these requirements, however,

lines, elevations, and cross sections shown on the drawings from borrow areas. The contractor shall obtain from owners of said borrow areas the right to excavate material, shall pay all royalties and other charges

Inspection: Prior to placement of fill, the paved area shall be inspected approved by a representative of the geotechnical engineer to insure satisfactory removal of native soils and the removal of any existing

2. Scarification: The exposed cut surface, as well as surfaces to receive fill, shall be scarified to a minimum depth of 12-inches and watered as necessary to being the upper 12-inches close as practicable to optimum
2.02

moisture content or above. The upper eight (8) inches of the native soils shall then be compacted to a minimum of 95% of maximum dry density as determined in accordance with ASTM D1557. Where

density not less than 95 percent of maximum dry density within the building pad and paved areas shall be obtained for the structural fill. Structural fill, as well as the native soils, outside the building pad and paved

protect all areas of completed work against any detrimental effects of ground freezing by methods approved by the geotechnical engineer. Any areas that are damaged by freezing shall be reconditioned, reshaped, and

Field Inspection & Testing: The contractor shall employ the services of a registered, licensed geotechnical engineer to observe and test all controlled earthwork. The geotechnical engineer shall provide continuous

on-site observation by experienced personnel during construction of controlled earthwork. The contractor shall notify the engineer at least two (2) working days in advance of any field operations of controlled

2. Borrow: When the quantity of suitable material required for embankments is not available within the limits of the jobsite, the contractor shall provide sufficient materials to construct the embankments to the

A. Paved Area Treatment: Paved areas shall be over-excavated to such an extent so as to provide a minimum of 1.0 foot of structural fill beneath all pavements; however, provided that the existing subgrade soils meet the

B. Compaction: Fill shall be spread in layers not exceeding eight (8) inches, watered as necessary, and compacted Moisture content at the time of compaction shall be 2 percent below optimum moisture or higher. A

areas shall be compacted to 90 percent of maximum dry density. Optimum moisture content and maximum dry density for each soil type used shall be determined in accordance with ASTM D1557.

some blending and imported fill may be required. The fill materials shall be free from roots, grass, other vegetable matter, clay lumps, rocks larger than six (6) inches, or other deleterious materials

vibratory compaction equipment is used, it shall be the contractor's responsibility to insure that the vibrations do not damage nearby buildings or other adjacent property.

earthwork, or of any resumption of operations after stoppages. Tests of fill materials and embankments will be made at the following suggested minimum rates:

One (1) field density test for each 250 cubic yards of fill placed or each layer of fill for reach work area, whichever is the greater number for tests.