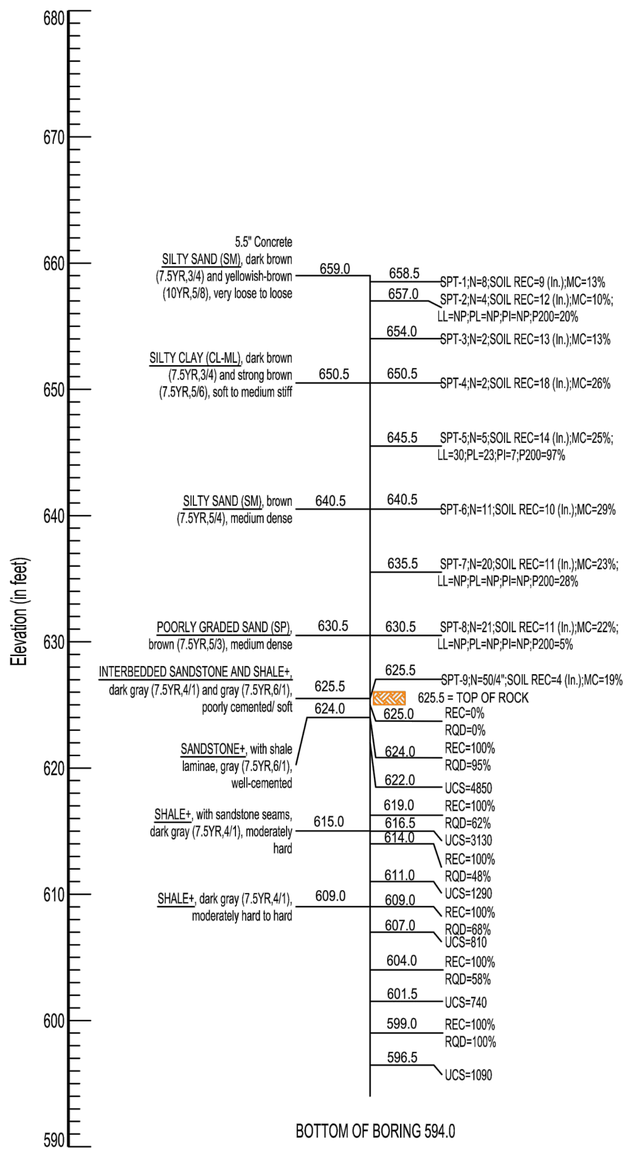
Boring No. B-3

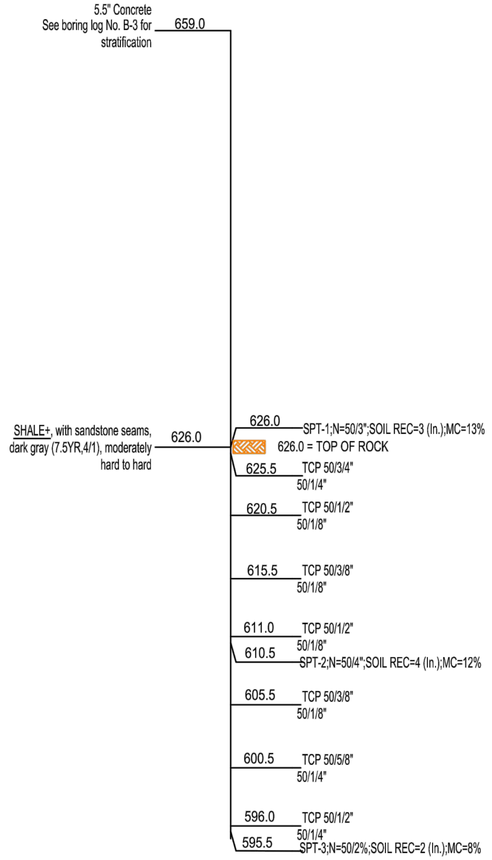
Surface Elev. (Ft.): 659.0
Station:198+51 ; Offset: 11' LT
(May 5th, 2016)



BOTTOM OF BORING 594.0

Boring No. B-3A

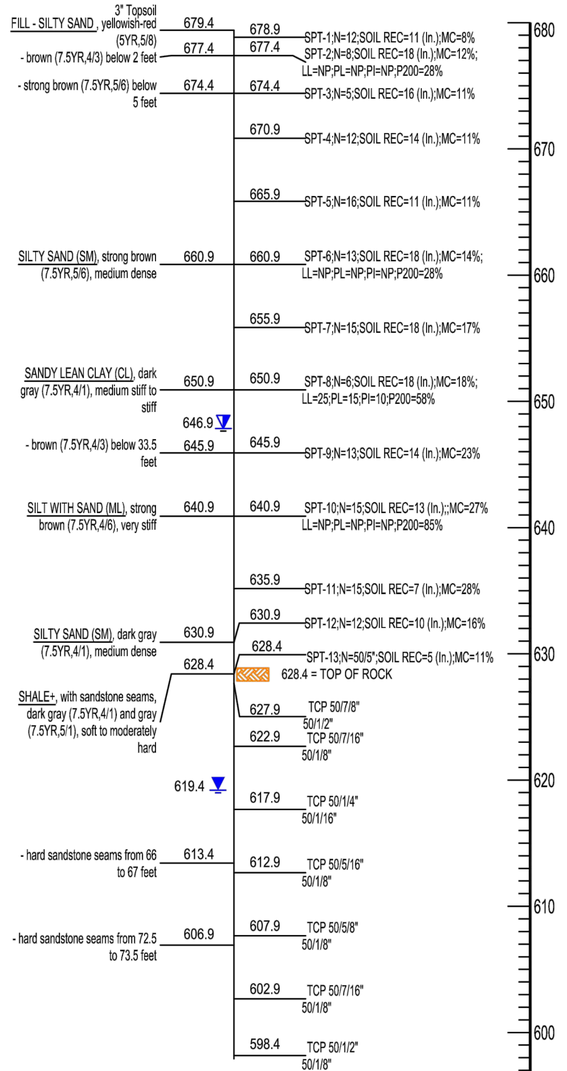
Surface Elev. (Ft.): 659.0
Station:198+51 ; Offset: 6' LT
(May 5th, 2016)



BOTTOM OF BORING 595.0

Boring No. B-4

Surface Elev. (Ft.): 679.4
Station:199+02 ; Offset: 11' LT
(May 4th, 2016)



BOTTOM OF BORING 597.9

REVISIONS		
REV. NO.	DESCRIPTION	DATE

LEGEND

DCD = DIAMOND CORE DRILLING, ASTM D2113-83
SPT = STANDARD PENETRATION TEST, ASTM D1586
SS = SPLIT SPOON SAMPLER
N = NUMBER OF BLOWS PER 12 INCHES
MC = MOISTURE CONTENT
LL = LIQUID LIMIT (NV=NO VALUE)
PI = PLASTICITY INDEX (NP=NO PLASTICITY)
#200 = PERCENT PASSING #200 SIEVE
UCS = UNCONFINED COMPRESSIVE STRENGTH (psi)
TCP = TEXAS CONE PENTROMETER
WCI = WET CAVE IN
= WATER LEVEL WHILE DRILLING OR SAMPLING
= WATER LEVEL AFTER DRILLING
= WATER LEVEL 24 HOURS AFTER DRILLING
= TOP OF ROCK

NOTE: WATER LEVEL ELEVATIONS SHOWN WERE OBTAINED AT THE TIME THE BORINGS WERE DRILLED AND MAY FLUCTUATE THROUGHTOUT THE YEAR.

NOTE: "SS" DENOTES STANDARD PENETRATION TEST. ASSHTO D1586-84. "TCP" DENOTES TEXAS CONE PENETRATION TEST.

* NOTE: TOP OF ROCK LINE SHOWN FOR ESTIMATING PURPOSED ONLY

** NOTE: WATER LEVEL ELEVATION SHOWN WERE OBTAINED AT THE TIME THE BORINGS WERE DRILLED AND MAY FLUCTUATE THROUGHOUT THE YEAR.

*** NOTE: ROCK CLASSIFICATION IS BASED ON DRILLING CHARACTERISTICS AND VISUAL OBSERVATION OF ROCK CORE SAMPLES. PETROGRAPHIC ANALYSIS OF THIN SECTION OF THE ROCK CORE SAMPLES MAY REVEAL OTHER TYPES.

SITE GEOLOGY

Based on the results of our borings and information published in the Oklahoma Department of Transportation manual, *"Engineering Classification of Geologic Materials: Division 8"*, the project is underlain by Terrace Deposits (Qts). These materials consist of sand, silt, clay, gravel, and/or combinations of these. Terrace materials occur adjacent to or near streams at higher elevations than the flood plain (bottom land). The terrace deposits are underlain by the Nellie Bly unit (Pnb).

The Nellie Bly Unit consists predominantly of yellowish-brown shale and sandy shale with interbedded sandstone and siltstone. The shale ranges from clay shale in the lower portion grading upward to silty and sandy shale. The sandstones are present as massive beds up to 40 feet thick along the Arkansas River near Sand Springs. The total thickness of this unit ranges from about 80 to 280 feet in Tulsa County.

GEOTECHNICAL REPORT

ALL GEOTECHNICAL INFORMATION CONTAINED ON THIS SHEET IS COVERED BY THE ENGINEERING SEAL AFFIXED TO AN ORIGINAL GEOTECHNICAL ENGINEERING REPORT THAT HAS BEEN STAMPED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN OKLAHOMA. TO OBTAIN A COPY OF THE COMPLETE REPORT, CONTACT THE ODOT OFFICE ENGINEER AT (405) 521-2625. THE CONTRACTOR SHOULD BE FULLY AWARE OF THE SITE CONDITIONS PRIOR TO BEGINNING WORK. ANY ADDITIONAL GEOTECNICAL INFORMATION WHICH MAY BE DESIRED IS THE RESPONSIBILITY OF THE CONTRACTOR.

TULSA COUNTY — US–64 OVER 97TH W. AVE.

DESIGN	MW	11/16
DRAWN	SDK	05/16
CHECKED	HRA	11/16
APPROVED		
WALTER P MOORE		

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FOUNDATION REPORT (2 OF 2)

STATE JOB NO. 28884(04) SHEET NO. 37

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