DIVISION STATE J/P PROJ NO FISCAL SHEET TOTAL OKLA 27092(04) 70 143 BORING NO. B3-2 BORING NO. B4-2 (STA 864+10.80, 16.64' RT OF BRIDGE CL) (STA 864+56.98, 22.68' LT OF BRIDGE CL) 700-700 SURFACE ELEVATION 693.4 SURFACE ELEVATION 699.5 690-MEDIUM STIFF BROWN SANDY 690-LEAN CLAY MEDIUM STIFF BROWNIS GRAY LIN 688.4 - SPT, N=5; MC=20.9% USCS:CL; PI=9; LL=24; #200=61% 693.7 - SPT, N=5; MC=21.9% USCS: CL, PI=19, LL=38, #200=88.1% 683.4 - SPT, N=12; MC=17.0% USCS:CL; PI=9; LL=29; #200=58.4% 692.50 STIFF TO MODERATELY HARD BROWN 682.4 - GROUND WATER LEVEL -11" SANDY LEAN CLAY 681.2 681.4 - SPT@12' 50/5" 688.7 - SPT, N=6; MC=20.2% USCS: CL, PI=11, LL=25, #200=57.1% 680.4 - TCP@13' 50/0.5", 50/0.25" 680-MEDIUM STIFF BROWNISH GRAY SANDY LEAN CLAY 683.7 - SPT, N=6; MC=21.4% USCS: CL, PI=12, LL=24, #200=51.7% 684.5 GROUND WATER LEVEL -15' 675.4 - TCP@18' 50/0.5", 50/0.125" /681.10 -SPT 32/6", 50/2.125",N>60; MC=11.9% 682.50 USCS: SC, PI=10, LL=32, #40=69%, #200=47.3% VERY DENSE GRAY SAND MODERATELY HARD TO HARD GRAY SHALE 680.5 TCP@19' 50/0.875",50/0.5" 670.4 - TCP@23' 50/0.75", 50/0.375" 670 670-675.50 TCP@24' 50/0.625",50/0.25" MODERATELY HARD GRAY SHALE 665.4 - TCP@29' 50/0.5", 50/0.125" 670.50 TCP@29' 50/0.625",50/0.25" 660.4 - TCP@33' 50/0.5", 50/0.25" HARD GRAY SANDSTONE 660-660-665.50 + 665.50 TCP@34' 50/0.75",50/0.125" 655.4 + 655.4 - TCP@38' 50/0.5", 50/0.125" HARD GRAY SHALE HARD GRAY SANDSTONE 660.50 TCP@39' 50/0.625",50/0.25" 650.34 650.4 - TCP@43' 50/0.5", 50/0.25" BOTTOM OF BORING 650-650-655.50 + 655.50 TCP@44' 50/0.5",50/0.063" MODERATELY HARD GRAY SHALE BOTTOM OF BORING 650.38 ± 650.50 TCP@49' 50/1",50/0.375" SITE GEOLOGY 640 -NOTES: THE SUBJECT PROJECT IS LOCATED AND BOUNDED BY PENNSYLVANIAN PERIOD, COFFEYVILLE FORMATION (IPCC), CHEVKERBOARD FORMATION (IPCC), SEMINOLE FORMATION (IPSL), AND LENAPAH FORMATION (IPLB) WITH ALLUVIUM (QAL). GEO-TECHNICAL REPORT GROUNDWATER LEVELS WERE OBTAINED DURING THE DRILLING OPERATIONS AND MAY FLUCTUATE THROUGHT THE YEAR. BORING DATA IS PROVIDED BY GW<sup>2</sup>. ALL GEOTECHNICAL INFORMATION CONTAINED ON THIS SHEET IS COVERED BY THE ENGINEERING SEAL AFFIXED TO AN ORIGINAL GEOTECHNICAL ENGINEERING THESE FORMATIONS ARE DESCRIBED AS FOLLOWS:

IPCC - COFFEYVILLE FORMATION: SHALE AND THIN-BEDDED SANDSTONE.

IPCC - CHECKERBOARD FORMATION: LIMESTONE AND SOME SHALE.

IPSL - SEMINOLE FORMATION: SHALE, SANDSTONE, AND THIN COAL BEDS. 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) 522-0972. THE CONTRACTOR SHOULD BE FULLY AWARE OF THE SITE CONDITIONS PRIOR TO BEGINNING WORK. ANY ADDITIONAL Design | GW2 6/16 US 169 OVER OPOSSUM CREEK OVER FLOW NOWATA COUNTY IPLB - LENAPAH FORMATION: LIMESTONE AND SHALE. Drawn RAH 6/16 BRIDGE B QAL - ALLUVIUM: GRAVEL, SAND SILT, AND CLAY.
IN OUR FIELD EXPLORATION WE ENCOUNTERED ALLUVIUM OVERBURDEN SOILS OVER FOUNDATION REPORT GEOTECHNICAL INFORMATION WHICH MAY BE DESIRED IS THE RESPONSIBILITY hecked STF 6/16 OF THE CONTRACTOR. SHALE, SANDSTONE AND LIMESTONE FORMATIONS. Approved SAK 6/16 (SHEET 2 OF 2) Sauad BENHAM Job Piece No. 27092(04) Sheet No. 70