

UNDERLYING THE SURFACE MATERIALS. MEDIUM STIFF TO STIFF COHESIVE EXISTING FILL MATERIALS WERE ENCOUNTERED TO DEPTHS RANGING FROM 3.8 TO 8.8 FEET BELOW TOP OF PAVEMENT. THE FILL CONSISTED OF SANDY SILT, SILT AND CLAY, AS WELL AS SILTY CLAY. NON-SOIL MATERIALS OBSERVED IN THE FILL CONSISTED OF CRUSHED STONE, WOOD, AS WELL AS ASPHALT AND BRICK FRAGMENTS. ORGANIC CONTENTS OF APPROXIMATELY 10 TO 11 PERCENT WERE DETERMINED FOR TWO FILL SAMPLES CONTAINING WOOD [BORINGS B-001 (SS-4) AND B-004 (SS-1)].

BASED ON THE BORINGS COMPLETED FOR THIS EXPLORATION, THE SUBSURFACE PROFILE ENCOUNTERED UNDERLYING THE SURFACE AND FILL MATERIALS CAN BE GENERALLY CHARACTERIZED BY FIVE STRATA OF COHESIVE SOILS WITH VARYING STRENGTH AND MOISTURE CHARACTERISTICS.

STRATUM I CONSISTED OF PREDOMINANTLY SOFT TO MEDIUM STIFF COHESIVE SOILS ENCOUNTERED UNDERLYING THE FILL IN BORINGS B-001 AND B-002-1 TO DEPTHS OF 11 FEET AND 8½ FEET, RESPECTIVELY (ELEVS. 708± AND 710±, RESPECTIVELY). THE STRATUM I SOILS CONSISTED OF SILTY CLAY (ODOT A-6B) WITH LITTLE SAND AND TRACE GRAVEL.

STRATUM II CONSISTED OF PREDOMINANTLY STIFF TO VERY STIFF COHESIVE SOILS ENCOUNTERED UNDERLYING THE FILL IN BORING B-004 AND STRATUM I IN BORING B-002-1. STRATUM II EXTENDED TO DEPTHS OF 11 FEET (ELEV. 708±) IN BORING B-002-1 AND 6 FEET (ELEV. 713±) IN BORING B-004. THESE COHESIVE SOILS CONSISTED OF SILT AND CLAY (A-6A) AS WELL AS SILTY CLAY (A-6B) WITH VARYING AMOUNTS OF SAND AND GRAVEL.

STRATUM III CONSISTED OF PREDOMINANTLY VERY STIFF TO HARD COHESIVE SOILS ENCOUNTERED UNDERLYING STRATUM I IN BORING B-001, AS WELL AS STRATUM II IN BORINGS B-002-1 AND B-004. STRATUM III EXTENDED TO BORING TERMINATION AT A DEPTH OF 20 FEET IN BORING B-004, AS WELL AS TO DEPTHS OF 49½ FEET (ELEV. 669±) IN BORING B-001 AND 38½ FEET (ELEV. 680±) IN BORING B-002-1. THESE COHESIVE SOILS CONSISTED OF SANDY SILT (A-4A), SILT AND CLAY (A-6A), AS WELL AS SILTY CLAY (A-6B).

STRATUM IV CONSISTED OF PREDOMINANTLY HARD COHESIVE SOILS ENCOUNTERED UNDERLYING STRATUM II IN BORINGS B-001 AND B-002-1 TO DEPTHS OF 73 FEET AND 73½ FEET, RESPECTIVELY (ELEVS. 646± AND 645±, RESPECTIVELY). THESE COHESIVE SOILS CONSISTED OF SILT AND CLAY (A-6A) AS WELL AS SILTY CLAY (A-6B).

STRATUM V CONSISTED OF PREDOMINANTLY “VERY HARD” COHESIVE SOILS ENCOUNTERED UNDERLYING STRATUM IV IN BORINGS B-001 AND B-002-1 TO TERMINATION AT A DEPTH OF 80 FEET (ELEV. 639±). THESE COHESIVE SOILS CONSISTED OF SANDY SILT (A-4A).

GROUNDWATER WAS INITIALLY ENCOUNTERED DURING DRILLING AND OBSERVED UPON COMPLETION OF DRILLING OPERATIONS IN ONLY BORING B-001 AT A DEPTH OF 79.5 FEET (ELEV. 639.5). IT SHOULD BE NOTED THAT EACH BORING WAS GENERALLY DRILLED AND BACKFILLED OR SEALED WITHIN THE SAME DAY. THEREFORE, STABILIZED AMBIENT WATER LEVELS WERE NOT OBSERVED OVER THIS LIMITED TIME PERIOD. INSTRUMENTATION WAS NOT INSTALLED FOR LONG-TERM GROUNDWATER READINGS.

SPECIFICATIONS

THIS GEOTECHNICAL EXPLORATION WAS PERFORMED IN ACCORDANCE WITH THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, OFFICE OF GEOTECHNICAL ENGINEERING, SPECIFICATIONS FOR GEOTECHNICAL EXPLORATIONS (SGE), DATED JULY 2020.

AVAILABLE INFORMATION

THE SOIL, BEDROCK, AND GROUNDWATER INFORMATION COLLECTED FOR THIS SUBSURFACE EXPLORATION THAT CAN BE CONVENIENTLY DISPLAYED ON THE SOIL PROFILE SHEETS HAS BEEN PRESENTED. GEOTECHNICAL REPORTS, IF PREPARED, ARE AVAILABLE FOR REVIEW ON THE OFFICE OF CONTRACT SALES WEBSITE.

DESIGN AGENCY

DESIGNER

TRR

REVIEWER

CPI 01/22

PROJECT ID

101140

SHEET

45

TOTAL

55