REFERENCE: R-2511

PROJECT: 35494

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# STATE OF NORTH CAROLINA
## DEPARTMENT OF TRANSPORTATION
## DIVISION OF HIGHWAYS
## GEOTECHNICAL ENGINEERING UNIT

# ROADWAY SUBSURFACE INVESTIGATION

COUNTY BEAUFORT & MARTIN

PROJECT DESCRIPTION US 17 FROM NORTH OF NC 171 TO EXISTING MULTI-LANES SOUTH OF WILLIAMSTON

# INVENTORY

| STATE | STATE PROJECT REFERENCE NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| N.C. | R-2511 | 1 | 373 |

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SIGNATURE DATE

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*NORTH CAROLINA DEPARTMENT OF TRANSPORTATION*
*DIVISION OF HIGHWAYS*
*GEOTECHNICAL ENGINEERING UNIT*

# *SUBSURFACE INVESTIGATION*

## *SOIL AND ROCK LEGEND, TERMS, SYMBOLS, AND ABBREVIATIONS*

## SOIL DESCRIPTION

SOIL IS CONSIDERED UNCONSOLIDATED, SEMI-CONSOLIDATED, OR WEATHERED EARTH MATERIALS THAT CAN BE PENETRATED WITH A CONTINUOUS FLIGHT POWER AUGER AND YIELD LESS THAN 100 BLOWS PER FOOT ACCORDING TO THE STANDARD PENETRATION TEST (AASHTO T 206, ASTM D1586). SOIL CLASSIFICATION IS BASED ON THE AASHTO SYSTEM. BASIC DESCRIPTIONS GENERALLY INCLUDE THE FOLLOWING: CONSISTENCY, COLOR, TEXTURE, MOISTURE, AASHTO CLASSIFICATION, AND OTHER PERTINENT FACTORS SUCH AS MINERALOGICAL COMPOSITION, ANGULARITY, STRUCTURE, PLASTICITY, ETC. FOR EXAMPLE,
*VERY STIFF, GRAY, SILTY CLAY, MOIST WITH INTERBEDDED FINE SAND LAYERS, HIGHLY PLASTIC, A-7-6*

## SOIL LEGEND AND AASHTO CLASSIFICATION

| GENERAL CLASS. | GRANULAR MATERIALS (≤ 35% PASSING #200) | | | | | | | SILT-CLAY MATERIALS (> 35% PASSING #200) | | | | ORGANIC MATERIALS | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GROUP CLASS. | A-1 | | A-3 | A-2 | | | | A-4 | A-5 | A-6 | A-7 | A-1, A-2<br>A-3 | A-4, A-5<br>A-6, A-7 | |
| | A-1-a | A-1-b | | A-2-4 | A-2-5 | A-2-6 | A-2-7 | | | | A-7-5, A-7-6 | | | |
| SYMBOL | | | | | | | | | | | | | | |
| % PASSING #10 | 50 MX | | | | | | | | | | | | | |
| #40 | 30 MX | 50 MX | 51 MN | | | | | | | | | | | |
| #200 | 15 MX | 25 MX | 10 MX | 35 MX | 35 MX | 35 MX | 35 MX | 36 MN | 36 MN | 36 MN | 36 MN | GRANULAR SOILS | SILT-CLAY SOILS | MUCK, PEAT |
| MATERIAL PASSING #40 | | | | | | | | | | | | | | |
| LL | — | | — | 40 MX | 41 MN | 40 MX | 41 MN | 40 MX | 41 MN | 40 MX | 41 MN | SOILS WITH LITTLE OR MODERATE AMOUNTS OF ORGANIC MATTER | | HIGHLY ORGANIC SOILS |
| PI | 6 MX | | NP | 10 MX | 10 MX | 11 MN | 11 MN | 10 MX | 10 MX | 11 MN | 11 MN | | | |
| GROUP INDEX | 0 | | 0 | 0 | | 4 MX | | 8 MX | 12 MX | 16 MX | NO MX | | | |
| USUAL TYPES OF MAJOR MATERIALS | STONE FRAGS. GRAVEL, AND SAND | | FINE SAND | SILTY OR CLAYEY GRAVEL AND SAND | | | | SILTY SOILS | | CLAYEY SOILS | | | | |
| GEN. RATING AS SUBGRADE | EXCELLENT TO GOOD | | | | | | | FAIR TO POOR | | | | FAIR TO POOR | POOR | UNSUITABLE |

PI OF A-7-5 SUBGROUP IS ≤ LL - 30 ; PI OF A-7-6 SUBGROUP IS > LL - 30

## CONSISTENCY OR DENSENESS

| PRIMARY SOIL TYPE | COMPACTNESS OR CONSISTENCY | RANGE OF STANDARD PENETRATION RESISTENCE (N-VALUE) | RANGE OF UNCONFINED COMPRESSIVE STRENGTH ($TONS/FT^2$) |
|---|---|---|---|
| GENERALLY GRANULAR MATERIAL (NON-COHESIVE) | VERY LOOSE<br>LOOSE<br>MEDIUM DENSE<br>DENSE<br>VERY DENSE | < 4<br>4 TO 10<br>10 TO 30<br>30 TO 50<br>> 50 | N/A |
| GENERALLY SILT-CLAY MATERIAL (COHESIVE) | VERY SOFT<br>SOFT<br>MEDIUM STIFF<br>STIFF<br>VERY STIFF<br>HARD | < 2<br>2 TO 4<br>4 TO 8<br>8 TO 15<br>15 TO 30<br>> 30 | < 0.25<br>0.25 TO 0.5<br>0.5 TO 1.0<br>1 TO 2<br>2 TO 4<br>> 4 |

## TEXTURE OR GRAIN SIZE

| U.S. STD. SIEVE SIZE | 4 | 10 | 40 | 60 | 200 | 270 |
|---|---|---|---|---|---|---|
| OPENING (MM) | 4.76 | 2.00 | 0.42 | 0.25 | 0.075 | 0.053 |

| BOULDER (BLDR.) | COBBLE (COB.) | GRAVEL (GR.) | COARSE SAND (CSE. SD.) | FINE SAND (F SD.) | SILT (SL.) | CLAY (CL.) |
|---|---|---|---|---|---|---|

| GRAIN SIZE | MM | 305 | 75 | 2.0 | 0.25 | 0.05 | 0.005 |
|---|---|---|---|---|---|---|---|
| | IN. | 12 | 3 | | | | |

## SOIL MOISTURE - CORRELATION OF TERMS

| SOIL MOISTURE SCALE (ATTERBERG LIMITS) | FIELD MOISTURE DESCRIPTION | GUIDE FOR FIELD MOISTURE DESCRIPTION |
|---|---|---|
| | - SATURATED - (SAT.) | USUALLY LIQUID; VERY WET, USUALLY FROM BELOW THE GROUND WATER TABLE |
| LL — LIQUID LIMIT | | |
| PLASTIC RANGE (PI) | - WET - (W) | SEMISOLID; REQUIRES DRYING TO ATTAIN OPTIMUM MOISTURE |
| PL — PLASTIC LIMIT | | |
| OM — OPTIMUM MOISTURE | - MOIST - (M) | SOLID; AT OR NEAR OPTIMUM MOISTURE |
| SL — SHRINKAGE LIMIT | | |
| | - DRY - (D) | REQUIRES ADDITIONAL WATER TO ATTAIN OPTIMUM MOISTURE |

## PLASTICITY

| | PLASTICITY INDEX (PI) | DRY STRENGTH |
|---|---|---|
| NON PLASTIC | 0-5 | VERY LOW |
| SLIGHTLY PLASTIC | 6-15 | SLIGHT |
| MODERATELY PLASTIC | 16-25 | MEDIUM |
| HIGHLY PLASTIC | 26 OR MORE | HIGH |

## COLOR

DESCRIPTIONS MAY INCLUDE COLOR OR COLOR COMBINATIONS (TAN, RED, YELLOW-BROWN, BLUE-GRAY). MODIFIERS SUCH AS LIGHT, DARK, STREAKED, ETC. ARE USED TO DESCRIBE APPEARANCE.

## GRADATION

WELL GRADED - INDICATES A GOOD REPRESENTATION OF PARTICLE SIZES FROM FINE TO COARSE.
UNIFORMLY GRADED - INDICATES THAT SOIL PARTICLES ARE ALL APPROXIMATELY THE SAME SIZE.
GAP-GRADED - INDICATES A MIXTURE OF UNIFORM PARTICLE SIZES OF TWO OR MORE SIZES.

## ANGULARITY OF GRAINS

THE ANGULARITY OR ROUNDNESS OF SOIL GRAINS IS DESIGNATED BY THE TERMS: ANGULAR, SUBANGULAR, SUBROUNDED, OR ROUNDED.

## MINERALOGICAL COMPOSITION

MINERAL NAMES SUCH AS QUARTZ, FELDSPAR, MICA, TALC, KAOLIN, ETC. ARE USED IN DESCRIPTIONS WHEN THEY ARE CONSIDERED OF SIGNIFICANCE.

## COMPRESSIBILITY

| | |
|---|---|
| SLIGHTLY COMPRESSIBLE | LL < 31 |
| MODERATELY COMPRESSIBLE | LL = 31 - 50 |
| HIGHLY COMPRESSIBLE | LL > 50 |

## PERCENTAGE OF MATERIAL

| ORGANIC MATERIAL | GRANULAR SOILS | SILT - CLAY SOILS | OTHER MATERIAL | |
|---|---|---|---|---|
| TRACE OF ORGANIC MATTER | 2 - 3% | 3 - 5% | TRACE | 1 - 10% |
| LITTLE ORGANIC MATTER | 3 - 5% | 5 - 12% | LITTLE | 10 - 20% |
| MODERATELY ORGANIC | 5 - 10% | 12 - 20% | SOME | 20 - 35% |
| HIGHLY ORGANIC | > 10% | > 20% | HIGHLY | 35% AND ABOVE |

## GROUND WATER

- WATER LEVEL IN BORE HOLE IMMEDIATELY AFTER DRILLING
- STATIC WATER LEVEL AFTER 24 HOURS
- PW — PERCHED WATER, SATURATED ZONE, OR WATER BEARING STRATA
- SPRING OR SEEP

## MISCELLANEOUS SYMBOLS

- ROADWAY EMBANKMENT (RE) WITH SOIL DESCRIPTION
- SOIL SYMBOL
- ARTIFICIAL FILL (AF) OTHER THAN ROADWAY EMBANKMENT
- INFERRED SOIL BOUNDARY
- INFERRED ROCK LINE
- ALLUVIAL SOIL BOUNDARY
- 25/025 — DIP & DIP DIRECTION OF ROCK STRUCTURES
- SPT, SPT DMT, VST PMT — TEST BORING
- AUGER BORING
- CORE BORING
- MW — MONITORING WELL
- PIEZOMETER INSTALLATION
- SLOPE INDICATOR INSTALLATION
- CONE PENETROMETER TEST
- SOUNDING ROD
- TEST BORING WITH CORE
- SPT N-VALUE

## RECOMMENDATION SYMBOLS

- UNDERCUT
- SHALLOW UNDERCUT
- UNCLASSIFIED EXCAVATION - UNSUITABLE WASTE
- UNCLASSIFIED EXCAVATION - ACCEPTABLE DEGRADABLE ROCK
- UNCLASSIFIED EXCAVATION - ACCEPTABLE, BUT NOT TO BE USED IN THE TOP 3 FEET OF EMBANKMENT OR BACKFILL

## ABBREVIATIONS

AR - AUGER REFUSAL
BT - BORING TERMINATED
CL. - CLAY
CPT - CONE PENETRATION TEST
CSE. - COARSE
DMT - DILATOMETER TEST
DPT - DYNAMIC PENETRATION TEST
e - VOID RATIO
F - FINE
FOSS. - FOSSILIFEROUS
FRAC. - FRACTURED, FRACTURES
FRAGS. - FRAGMENTS
HI. - HIGHLY
MED. - MEDIUM
MICA. - MICACEOUS
MOD. - MODERATELY
NP - NON PLASTIC
ORG. - ORGANIC
PMT - PRESSUREMETER TEST
SAP. - SAPROLITIC
SD. - SAND, SANDY
SL. - SILT, SILTY
SLI. - SLIGHTLY
TCR - TRICONE REFUSAL
$w$ - MOISTURE CONTENT
V - VERY
VST - VANE SHEAR TEST
WEA. - WEATHERED
$\gamma$ - UNIT WEIGHT
$\gamma_d$ - DRY UNIT WEIGHT

SAMPLE ABBREVIATIONS

S - BULK
SS - SPLIT SPOON
ST - SHELBY TUBE
RS - ROCK
RT - RECOMPACTED TRIAXIAL
CBR - CALIFORNIA BEARING RATIO

## EQUIPMENT USED ON SUBJECT PROJECT

DRILL UNITS:
- [ ] CME-45C
- [X] CME-55
- [ ] CME-550
- [X] VANE SHEAR TEST
- [ ] PORTABLE HOIST
- [ ] _____
- [ ] _____

ADVANCING TOOLS:
- [ ] CLAY BITS
- [X] 6" CONTINUOUS FLIGHT AUGER
- [X] 8" HOLLOW AUGERS
- [ ] HARD FACED FINGER BITS
- [ ] TUNG.-CARBIDE INSERTS
- [ ] CASING [ ] W/ ADVANCER
- [ ] TRICONE _____" STEEL TEETH
- [ ] TRICONE _____" TUNG.-CARB.
- [ ] CORE BIT
- [ ] _____

HAMMER TYPE:
- [X] AUTOMATIC [ ] MANUAL

CORE SIZE:
- [ ] -B _____ [ ] -H _____
- [ ] -N _____

HAND TOOLS:
- [ ] POST HOLE DIGGER
- [X] HAND AUGER
- [X] SOUNDING ROD
- [ ] VANE SHEAR TEST
- [ ] _____

## ROCK DESCRIPTION

HARD ROCK IS NON-COASTAL PLAIN MATERIAL THAT WOULD YIELD SPT REFUSAL IF TESTED. AN INFERRED ROCK LINE INDICATES THE LEVEL AT WHICH NON-COASTAL PLAIN MATERIAL WOULD YIELD SPT REFUSAL. SPT REFUSAL IS PENETRATION BY A SPLIT SPOON SAMPLER EQUAL TO OR LESS THAN 0.1 FOOT PER 60 BLOWS IN NON-COASTAL PLAIN MATERIAL, THE TRANSITION BETWEEN SOIL AND ROCK IS OFTEN REPRESENTED BY A ZONE OF WEATHERED ROCK.
ROCK MATERIALS ARE TYPICALLY DIVIDED AS FOLLOWS:

| | |
|---|---|
| WEATHERED ROCK (WR) | NON-COASTAL PLAIN MATERIAL THAT WOULD YIELD SPT N VALUES > 100 BLOWS PER FOOT IF TESTED. |
| CRYSTALLINE ROCK (CR) | FINE TO COARSE GRAIN IGNEOUS AND METAMORPHIC ROCK THAT WOULD YIELD SPT REFUSAL IF TESTED. ROCK TYPE INCLUDES GRANITE, GNEISS, GABBRO, SCHIST, ETC. |
| NON-CRYSTALLINE ROCK (NCR) | FINE TO COARSE GRAIN METAMORPHIC AND NON-COASTAL PLAIN SEDIMENTARY ROCK THAT WOULD YEILD SPT REFUSAL IF TESTED. ROCK TYPE INCLUDES PHYLLITE, SLATE, SANDSTONE, ETC. |
| COASTAL PLAIN SEDIMENTARY ROCK (CP) | COASTAL PLAIN SEDIMENTS CEMENTED INTO ROCK, BUT MAY NOT YIELD SPT REFUSAL. ROCK TYPE INCLUDES LIMESTONE, SANDSTONE, CEMENTED SHELL BEDS, ETC. |

## WEATHERING

| | |
|---|---|
| FRESH | ROCK FRESH, CRYSTALS BRIGHT, FEW JOINTS MAY SHOW SLIGHT STAINING. ROCK RINGS UNDER HAMMER IF CRYSTALLINE. |
| VERY SLIGHT (V SLI.) | ROCK GENERALLY FRESH, JOINTS STAINED, SOME JOINTS MAY SHOW THIN CLAY COATINGS IF OPEN, CRYSTALS ON A BROKEN SPECIMEN FACE SHINE BRIGHTLY. ROCK RINGS UNDER HAMMER BLOWS IF OF A CRYSTALLINE NATURE. |
| SLIGHT (SLI.) | ROCK GENERALLY FRESH, JOINTS STAINED AND DISCOLORATION EXTENDS INTO ROCK UP TO 1 INCH. OPEN JOINTS MAY CONTAIN CLAY. IN GRANITOID ROCKS SOME OCCASIONAL FELDSPAR CRYSTALS ARE DULL AND DISCOLORED. CRYSTALLINE ROCKS RING UNDER HAMMER BLOWS. |
| MODERATE (MOD.) | SIGNIFICANT PORTIONS OF ROCK SHOW DISCOLORATION AND WEATHERING EFFECTS. IN GRANITOID ROCKS, MOST FELDSPARS ARE DULL AND DISCOLORED, SOME SHOW CLAY. ROCK HAS DULL SOUND UNDER HAMMER BLOWS AND SHOWS SIGNIFICANT LOSS OF STRENGTH AS COMPARED WITH FRESH ROCK. |
| MODERATELY SEVERE (MOD. SEV.) | ALL ROCK EXCEPT QUARTZ DISCOLORED OR STAINED. IN GRANITOID ROCKS, ALL FELDSPARS DULL AND DISCOLORED AND A MAJORITY SHOW KAOLINIZATION. ROCK SHOWS SEVERE LOSS OF STRENGTH AND CAN BE EXCAVATED WITH A GEOLOGIST'S PICK. ROCK GIVES "CLUNK" SOUND WHEN STRUCK. *IF TESTED, WOULD YIELD SPT REFUSAL* |
| SEVERE (SEV.) | ALL ROCK EXCEPT QUARTZ DISCOLORED OR STAINED. ROCK FABRIC CLEAR AND EVIDENT BUT REDUCED IN STRENGTH TO STRONG SOIL. IN GRANITOID ROCKS ALL FELDSPARS ARE KAOLINIZED TO SOME EXTENT. SOME FRAGMENTS OF STRONG ROCK USUALLY REMAIN. *IF TESTED, WOULD YIELD SPT N VALUES > 100 BPF* |
| VERY SEVERE (V SEV.) | ALL ROCK EXCEPT QUARTZ DISCOLORED OR STAINED. ROCK FABRIC ELEMENTS ARE DISCERNIBLE BUT MASS IS EFFECTIVELY REDUCED TO SOIL STATUS, WITH ONLY FRAGMENTS OF STRONG ROCK REMAINING. SAPROLITE IS AN EXAMPLE OF ROCK WEATHERED TO A DEGREE THAT ONLY MINOR VESTIGES OF ORIGINAL ROCK FABRIC REMAIN. *IF TESTED, WOULD YIELD SPT N VALUES < 100 BPF* |
| COMPLETE | ROCK REDUCED TO SOIL. ROCK FABRIC NOT DISCERNIBLE, OR DISCERNIBLE ONLY IN SMALL AND SCATTERED CONCENTRATIONS. QUARTZ MAY BE PRESENT AS DIKES OR STRINGERS. SAPROLITE IS ALSO AN EXAMPLE. |

## ROCK HARDNESS

| | |
|---|---|
| VERY HARD | CANNOT BE SCRATCHED BY KNIFE OR SHARP PICK. BREAKING OF HAND SPECIMENS REQUIRES SEVERAL HARD BLOWS OF THE GEOLOGIST'S PICK. |
| HARD | CAN BE SCRATCHED BY KNIFE OR PICK ONLY WITH DIFFICULTY. HARD HAMMER BLOWS REQUIRED TO DETACH HAND SPECIMEN. |
| MODERATELY HARD | CAN BE SCRATCHED BY KNIFE OR PICK. GOUGES OR GROOVES TO 0.25 INCHES DEEP CAN BE EXCAVATED BY HARD BLOW OF A GEOLOGIST'S PICK. HAND SPECIMENS CAN BE DETACHED BY MODERATE BLOWS. |
| MEDIUM HARD | CAN BE GROOVED OR GOUGED 0.05 INCHES DEEP BY FIRM PRESSURE OF KNIFE OR PICK POINT. CAN BE EXCAVATED IN SMALL CHIPS TO PEICES 1 INCH MAXIMUM SIZE BY HARD BLOWS OF THE POINT OF A GEOLOGIST'S PICK. |
| SOFT | CAN BE GROVED OR GOUGED READILY BY KNIFE OR PICK. CAN BE EXCAVATED IN FRAGMENTS FROM CHIPS TO SEVERAL INCHES IN SIZE BY MODERATE BLOWS OF A PICK POINT. SMALL, THIN PIECES CAN BE BROKEN BY FINGER PRESSURE. |
| VERY SOFT | CAN BE CARVED WITH KNIFE. CAN BE EXCAVATED READILY WITH POINT OF PICK. PIECES 1 INCH OR MORE IN THICKNESS CAN BE BROKEN BY FINGER PRESSURE. CAN BE SCRATCHED READILY BY FINGERNAIL. |

## FRACTURE SPACING

| TERM | SPACING |
|---|---|
| VERY WIDE | MORE THAN 10 FEET |
| WIDE | 3 TO 10 FEET |
| MODERATELY CLOSE | 1 TO 3 FEET |
| CLOSE | 0.16 TO 1 FOOT |
| VERY CLOSE | LESS THAN 0.16 FEET |

## BEDDING

| TERM | THICKNESS |
|---|---|
| VERY THICKLY BEDDED | 4 FEET |
| THICKLY BEDDED | 1.5 - 4 FEET |
| THINLY BEDDED | 0.16 - 1.5 FEET |
| VERY THINLY BEDDED | 0.03 - 0.16 FEET |
| THICKLY LAMINATED | 0.008 - 0.03 FEET |
| THINLY LAMINATED | < 0.008 FEET |

## INDURATION

FOR SEDIMENTARY ROCKS, INDURATION IS THE HARDENING OF MATERIAL BY CEMENTING, HEAT, PRESSURE, ETC.

| | |
|---|---|
| FRIABLE | RUBBING WITH FINGER FREES NUMEROUS GRAINS; GENTLE BLOW BY HAMMER DISINTEGRATES SAMPLE. |
| MODERATELY INDURATED | GRAINS CAN BE SEPARATED FROM SAMPLE WITH STEEL PROBE; BREAKS EASILY WHEN HIT WITH HAMMER. |
| INDURATED | GRAINS ARE DIFFICULT TO SEPARATE WITH STEEL PROBE; DIFFICULT TO BREAK WITH HAMMER. |
| EXTREMELY INDURATED | SHARP HAMMER BLOWS REQUIRED TO BREAK SAMPLE; SAMPLE BREAKS ACROSS GRAINS. |

## TERMS AND DEFINITIONS

ALLUVIUM (ALLUV.) - SOILS THAT HAVE BEEN TRANSPORTED BY WATER.

AQUIFER - A WATER BEARING FORMATION OR STRATA.

ARENACEOUS - APPLIED TO ROCKS THAT HAVE BEEN DERIVED FROM SAND OR THAT CONTAIN SAND.

ARGILLACEOUS - APPLIED TO ALL ROCKS OR SUBSTANCES COMPOSED OF CLAY MINERALS, OR HAVING A NOTABLE PROPORTION OF CLAY IN THEIR COMPOSITION, SUCH AS SHALE, SLATE, ETC.

ARTESIAN - GROUND WATER THAT IS UNDER SUFFICIENT PRESSURE TO RISE ABOVE THE LEVEL AT WHICH IT IS ENCOUNTERED, BUT WHICH DOES NOT NECESSARILY RISE TO OR ABOVE THE GROUND SURFACE.

CALCAREOUS (CALC.) - SOILS THAT CONTAIN APPRECIABLE AMOUNTS OF CALCIUM CARBONATE.

COLLUVIUM - ROCK FRAGMENTS MIXED WITH SOIL DEPOSITED BY GRAVITY ON SLOPE OR AT BOTTOM OF SLOPE.

CORE RECOVERY (REC.) - TOTAL LENGTH OF ALL MATERIAL RECOVERED IN THE CORE BARREL DIVIDED BY TOTAL LENGTH OF CORE RUN AND EXPRESSED AS A PERCENTAGE.

DIKE - A TABULAR BODY OF IGNEOUS ROCK THAT CUTS ACROSS THE STRUCTURE OF ADJACENT ROCKS OR CUTS MASSIVE ROCK.

DIP - THE ANGLE AT WHICH A STRATUM OR ANY PLANAR FEATURE IS INCLINED FROM THE HORIZONTAL.

DIP DIRECTION (DIP AZIMUTH) - THE DIRECTION OR BEARING OF THE HORIZONTAL TRACE OF THE LINE OF DIP, MEASURED CLOCKWISE FROM NORTH.

FAULT - A FRACTURE OR FRACTURE ZONE ALONG WHICH THERE HAS BEEN DISPLACEMENT OF THE SIDES RELATIVE TO ONE ANOTHER PARALLEL TO THE FRACTURE.

FISSILE - A PROPERTY OF SPLITTING ALONG CLOSELY SPACED PARALLEL PLANES.

FLOAT - ROCK FRAGMENTS ON SURFACE NEAR THEIR ORIGINAL POSITION AND DISLODGED FROM PARENT MATERIAL.

FLOOD PLAIN (FP) - LAND BORDERING A STREAM, BUILT OF SEDIMENTS DEPOSITED BY THE STREAM.

FORMATION (FM.) - A MAPPABLE GEOLOGIC UNIT THAT CAN BE RECOGNIZED AND TRACED IN THE FIELD.

JOINT - FRACTURE IN ROCK ALONG WHICH NO APPRECIABLE MOVEMENT HAS OCCURRED.

LEDGE - A SHELF-LIKE RIDGE OR PROJECTION OF ROCK WHOSE THICKNESS IS SMALL COMPARED TO ITS LATERAL EXTENT.

LENS - A BODY OF SOIL OR ROCK THAT THINS OUT IN ONE OR MORE DIRECTIONS.

MOTTLED (MOT.) - IRREGULARLY MARKED WITH SPOTS OF DIFFERENT COLORS. MOTTLING IN SOILS USUALLY INDICATES POOR AERATION AND LACK OF GOOD DRAINAGE.

PERCHED WATER - WATER MAINTAINED ABOVE THE NORMAL GROUND WATER LEVEL BY THE PRESENCE OF AN INTERVENING IMPERVIOUS STRATUM.

RESIDUAL (RES.) SOIL - SOIL FORMED IN PLACE BY THE WEATHERING OF ROCK.

ROCK QUALITY DESIGNATION (RQD) - A MEASURE OF ROCK QUALITY DESCRIBED BY TOTAL LENGTH OF ROCK SEGMENTS EQUAL TO OR GREATER THAN 4 INCHES DIVIDED BY THE TOTAL LENGTH OF CORE RUN AND EXPRESSED AS A PERCENTAGE.

SAPROLITE (SAP.) - RESIDUAL SOIL THAT RETAINS THE RELIC STRUCTURE OR FABRIC OF THE PARENT ROCK.

SILL - AN INTRUSIVE BODY OF IGNEOUS ROCK OF APPROXIMATELY UNIFORM THICKNESS AND RELATIVELY THIN COMPARED WITH ITS LATERAL EXTENT, THAT HAS BEEN EMPLACED PARALLEL TO THE BEDDING OR SCHISTOSITY OF THE INTRUDED ROCKS.

SLICKENSIDE - POLISHED AND STRIATED SURFACE THAT RESULTS FROM FRICTION ALONG A FAULT OR SLIP PLANE.

STANDARD PENETRATION TEST (PENETRATION RESISTANCE) (SPT) - NUMBER OF BLOWS (N OR BPF) OF A 140 LB. HAMMER FALLING 30 INCHES REQUIRED TO PRODUCE A PENETRATION OF 1 FOOT INTO SOIL WITH A 2 INCH OUTSIDE DIAMETER SPLIT SPOON SAMPLER. SPT REFUSAL IS PENETRATION EQUAL TO OR LESS THAN 0.1 FOOT PER 60 BLOWS.

STRATA CORE RECOVERY (SREC.) - TOTAL LENGTH OF STRATA MATERIAL RECOVERED DIVIDED BY TOTAL LENGTH OF STRATUM AND EXPRESSED AS A PERCENTAGE.

STRATA ROCK QUALITY DESIGNATION (SRQD) - A MEASURE OF ROCK QUALITY DESCRIBED BY TOTAL LENGTH OF ROCK SEGMENTS WITHIN A STRATUM EQUAL TO OR GREATER THAN 4 INCHES DIVIDED BY THE TOTAL LENGTH OF STRATA AND EXPRESSED AS A PERCENTAGE.

TOPSOIL (TS.) - SURFACE SOILS USUALLY CONTAINING ORGANIC MATTER.

BENCH MARK:

ELEVATION: FEET

NOTES:

BOREHOLE ELEVATIONS DETERMINED FROM PROVIDED .TIN FILE AND GPS

ABBREVIATIONS:

F.I.A.D. - FILLED IMMEDIATELY AFTER DRILLING

T T T T : APPROXIMATE BOUNDARY OF ALLUVIAL SOILS

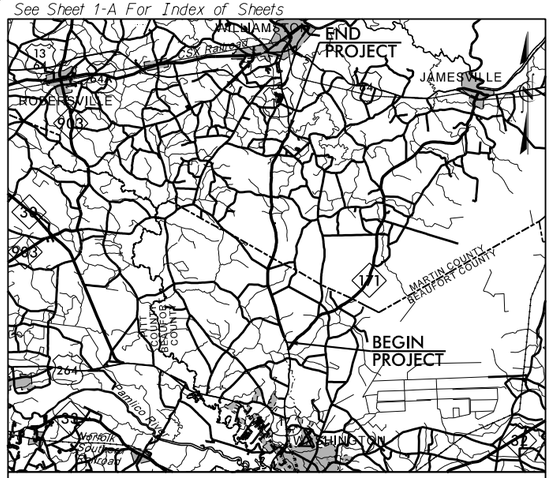
DATE: 8-15-14

09/08/99

TIP PROJECT: R-2511

CONTRACT:

See Sheet 1-A For Index of Sheets


WILLIAMSTON
END PROJECT
JAMESVILLE
ROBERSONVILLE
MARTIN COUNTY
BEAUFORT COUNTY
BEGIN PROJECT
WASHINGTON
Roanoke River
Sweetwater Swamp
Broad Creek
Welch Swamp
Bandy
Bridge
Panther Swamp
Gum Swamp
Bear Grass Swamp
Gum Creek
Swamp
Smithwick Creek
Cypress Swamp
Bear Swamp
Bear Grass
Swamp
Cypress Creek
Swamp
Bear Swamp
Swamp
Cypress Swamp
Swamp
Cypress Swamp
Swamp
Cypress

March 24, 2021

**WBS Number:** 35494
**TIP Number:** R-2511
**County:** Beaufort & Martin
**Description:** US 17 From North of NC 171 to existing multi-lanes south of Williamston

**Subject: Roadway Subsurface Inventory Report**

## PROJECT DESCRIPTION

The proposed project consists of widening of existing US 17 from two lanes to four, with medians and turn lanes. The project also consists of the replacement of two culverts and one bridge. Additionally, widening of intersecting -Y- lines is proposed. The project is approximately 10.6 miles, and it begins approximately 0.34 miles north of NC 171 in Beaufort County, North Carolina, and ends approximately 2.28 miles south of US 64 in Martin County, North Carolina.

The geotechnical investigation was performed during January and February of 2018. During this time, a total of 302 borings including 204 Standard Penetration Test (SPT) borings, 88 auger probe borings, 7 hand auger borings, and 3 rod sounding borings were drilled. The borings were advanced with two ATV mounted CME 55 drill rigs equipped with automatic hammers. Eleven Vane Shear tests were performed to measure in-situ strength of cohesive soils, and 11 Shelby tube samples were collected for consolidation testing. Representative soil samples were collected from the split spoon and soil cuttings for field visual classification and laboratory testing. Bulk samples were collected from select proposed excavation areas for California Bearing Ratio (CBR) and Proctor compaction tests.

The following alignments were investigated. Selected cross sections of these alignments are included in this report.

| Line | Stations (±) |
|---|---|
| -L- | 7+75 – 568+50 |
| -Y1- | 10+50 – 13+71 |
| -Y2- | 15+00 – 17+86 |
| -Y3- | 10+47 – 13+10 |
| -Y4- | 17+00 – 20+46 |
| -Y5- | 12+00 – 18+45 |
| -Y6- | 17+70 – 23+95 |
| -Y7- | 17+50 – 20+94 |
| -Y8- | 10+47 – 14+50 |
| -Y9- | 10+48 – 13+05 |
| -Y10- | 12+20 – 14+80 |
| -Y11- | 10+80 – 12+81 |

## PHYSIOGRAPHY AND GEOLOGY

The project is located in the Coastal Plain Physiographic Province. The terrain within and around the project is flat to very gently sloping. The land surrounding the proposed roadway is typically agricultural or forested, but there are a few locations with swamps on one or both sides of the existing roadway.

The project is located within the bounds of the Tertiary-age Yorktown Formation. The Yorktown Formation, which is primarily located north of the Neuse River, is a fossil-bearing clay with varying amount of fine sand. This formation is interpreted to be of Pliocene (5.3 - 2.6 Ma) age. Surficial soils in the project area are typically classified as undivided coastal plain soils.

Typical soil profile consists of a softer surficial layer of clay or silt. This layer is underlain be more stiff/dense soils, including clays, silts, and fine sands. An increase in stiffness/density and the presence of shell fragments usually differentiates between undivided coastal pain and the underlying formations

## GROUNDWATER PROPERTIES

Generally, groundwater measurements were attempted in the majority of the borings along the project. Some borings were backfilled immediately upon their completion due to their location in the road. Groundwater was encountered during drilling operations (0-hr reading) at elevations ranging from 22.5 to 68.2. Stabilized groundwater (24-hr reading) measurements were recorded at elevations ranging from 20.2 to 69.7 including eight dry borings. It should be noted that the groundwater levels fluctuate depending upon seasonal factors such as precipitation and temperature. As such, soil moisture and groundwater conditions at other times may vary or be different from those described in this report.

Two ponds are located near the proposed embankment at the following location.

| Line | Stations | Offset |
|---|---|---|
| -L- | 355+40 – 355+80 | LT |
| -L- | 511+10 – 512+40 | LT |

## SOIL PROPERTIES

Soils encountered during the geotechnical investigation are separated into three (3) categories based on origin. The origins consist of roadway embankment, alluvial soils and undivided coastal plain.

Materials interpreted as roadway embankment were encountered within the limits of the existing US 17 alignment and intersecting roads. The roadway embankment generally consists of loose to medium dense, gravelly to silty clayey SAND (A-1-b, A-2-4, A-2-5, A-2-6, and A-2-7), soft to stiff sandy clayey SILT (A-4) and silty sandy CLAY (A-6, A-7-6). The thickness of the roadway embankment varies up to 8 feet.

Alluvial soils were typically associated with drainage features or areas where creeks cross the proposed alignment. Alluvial soils generally consist of soft to stiff, silty and sandy slightly to highly plastic CLAY (A-6, A-7-5 and A-7-6). The thickness of the alluvial soils varies up to 4.0 feet.

Soils classified as undivided coastal plain generally consisted of very loose to medium dense, clayey and silty fine to coarse SAND (A-1-b, A-2-4, A-2-5, A-2-6, and A-2-7), soft to hard, sandy clayey SILT (A-4, A-5) and slightly to highly plastic silty sandy CLAY (A-6, A-7-5, A-7-6).

## AREAS OF SPECIAL GEOTECHNICAL INTEREST

**Alluvial Soils:** The following areas contain alluvial soils:

| Line | Stations (±) | Offset |
|---|---|---|
| -L- | 344+79 – 347+17 | LT & RT |
| -L- | 364+75 – 367+25 | LT |
| -L- | 511+10 – 512+40 | LT |

**Soft, Loose and/or Wet Soils:** The following areas contain relatively soft, loose and/or wet soils:

| Line | Station | Offset |
|---|---|---|
| -L- | 37+00 – 39+00 | LT & RT |
| -L- | 53+00 – 57+00 | RT |
| -L- | 68+50 – 69+50 | RT |
| -L- | 75+00 – 77+00 | LT |
| -L- | 79+00 – 81+00 | LT |
| -L- | 103+00 – 105+00 | LT & RT |
| -L- | 117+00 – 119+00 | LT & RT |
| -L- | 171+00 – 173+00 | LT & RT |
| -L- | 185+00 – 193+00 | LT & RT |
| -L- | 205+00 – 211+00 | LT & RT |
| -L- | 235+00 – 237+00 | LT & RT |
| -L- | 280+50 – 281+50 | LT & RT |
| -L- | 319+00 – 321+00 | LT & RT |
| -L- | 399+00 – 401+00 | LT & RT |
| -L- | 453+00 – 455+00 | LT & RT |

**Highly Plastic Soils:** The following areas contain highly plastic soils with plasticity indices (PI) greater than 20 within proposed cut sections and within 3-ft of subgrade:

| Line | Station | Offset |
|---|---|---|
| -L- | 24+75 – 29+25 | LT & RT |
| -L- | 30+75 – 39+25 | LT & RT |
| -L- | 40+75 – 42+75 | LT & RT |
| -L- | 46+75 – 51+25 | LT & RT |
| -L- | 58+20 – 58+80 | RT |
| -L- | 60+75 – 67+75 | LT & RT |
| -L- | 70+75 – 72+75 | LT & RT |
| -L- | 72+75 – 91+25 | LT & RT |
| -L- | 92+25 – 93+00 | RT |
| -L- | 93+00 – 105+00 | LT & RT |
| -L- | 106+75 – 111+25 | LT & RT |
| -L- | 112+75 – 115+25 | LT & RT |
| -L- | 118+75 – 124+75 | LT & RT |
| -L- | 131+25 – 132+75 | RT |
| -L- | 132+50 – 135+25 | LT & RT |
| -L- | 137+00 – 141+25 | LT & RT |
| -L- | 143+75 – 144+75 | LT |
| -L- | 144+75 – 145+75 | LT & RT |
| -L- | 145+75 – 147+00 | LT |
| -L- | 161+00 – 163+75 | RT |
| -L- | 164+75 – 165+25 | RT |
| -L- | 165+25 – 166+75 | LT & RT |
| -L- | 166+75 – 180+25 | LT & RT |
| -L- | 190+75 – 191+25 | LT & RT |
| -L- | 194+75 – 205+25 | LT & RT |
| -L- | 214+75 – 221+75 | LT & RT |
| -L- | 221+75 – 223+25 | LT |
| -L- | 246+75 – 251+25 | LT & RT |
| -L- | 252+75 – 257+25 | LT & RT |
| -L- | 261+75 – 267+25 | LT |
| -L- | 276+25 – 279+25 | LT & RT |
| -L- | 281+75 – 290+25 | LT & RT |
| -L- | 290+75 – 297+25 | LT & RT |
| -L- | 300+75 – 303+25 | LT & RT |
| -L- | 304+75 – 307+75 | LT & RT |
| -L- | 314+75 – 317+25 | LT & RT |
| -L- | 326+75 – 329+25 | LT & RT |
| -L- | 332+75 – 335+25 | LT & RT |
| -L- | 378+75 – 381+25 | LT & RT |
| -L- | 392+75 – 395+25 | LT & RT |
| -L- | 396+75 – 403+25 | LT & RT |
| -L- | 406+75 – 411+25 | LT & RT |
| -L- | 424+75 – 427+25 | LT & RT |
| -L- | 492+75 – 495+25 | LT & RT |
| -L- | 498+25 – 499+75 | LT & RT |
| -L- | 501+16 – 503+25 | RT |
| -L- | 503+25 – 509+25 | LT & RT |
| -L- | 513+75 – 514+25 | LT |
| -L- | 514+75 – 517+00 | LT |
| -L- | 519+00 – 521+25 | LT & RT |
| -Y1- | 10+75 – 13+25 | LT & RT |
| -Y3- | 10+75 – 12+50 | RT |
| -Y4- | 17+00 – 18+75 | LT & RT |
| -Y5- | 12+00 – 14+50 | LT & RT |

**Groundwater:** The following areas contain groundwater within **six (6) feet** of the proposed subgrade:

| Line | Stations (±) | Offset |
|---|---|---|
| -L- | 7+50 – 15+00 | RT & LT |
| -L- | 21+00 – 35+00 | RT & LT |
| -L- | 37+00 – 43+00 | RT & LT |
| -L- | 45+00 – 47+00 | RT & LT |
| -L- | 51+00 – 67+00 | RT & LT |
| -L- | 71+00 – 79+00 | RT & LT |
| -L- | 81+00 – 97+00 | RT & LT |
| -L- | 101+00 – 107+00 | RT & LT |
| -L- | 109+00 – 111+00 | RT & LT |
| -L- | 117+00 – 119+00 | RT & LT |
| -L- | 121+00 – 129+00 | RT & LT |
| -L- | 133+00 – 147+00 | RT & LT |
| -L- | 149+00 – 155+00 | RT & LT |
| -L- | 157+00 – 181+00 | RT & LT |
| -L- | 183+00 – 187+00 | RT & LT |
| -L- | 189+00 – 199+00 | RT & LT |
| -L- | 201+00 – 203+00 | RT & LT |
| -L- | 203+00 – 205+00 | RT |
| -L- | 207+00 – 209+00 | RT |
| -L- | 213+00 – 225+00 | RT & LT |
| -L- | 235+00 – 237+00 | RT & LT |
| -L- | 239+00 – 243+00 | RT & LT |
| -L- | 261+00 – 265+00 | RT & LT |
| -L- | 265+00 – 269+00 | LT |
| -L- | 275+00 – 279+00 | LT |
| -L- | 281+00 – 291+00 | RT & LT |
| -L- | 305+00 – 307+00 | LT |
| -L- | 309+00 – 311+00 | RT & LT |
| -L- | 315+00 – 317+00 | LT |
| -L- | 317+00 – 319+00 | LT |
| -L- | 319+00 – 331+00 | RT & LT |
| -L- | 333+00 – 339+00 | RT & LT |
| -L- | 349+00 – 351+00 | RT |
| -L- | 353+00 – 357+00 | RT |
| -L- | 357+00 – 363+00 | RT & LT |
| -L- | 389+00 – 391+00 | RT & LT |
| -L- | 401+00 – 405+00 | RT & LT |
| -L- | 413+00 – 415+00 | RT |
| -L- | 415+00 – 417+00 | RT & LT |
| -L- | 421+00 – 432+00 | RT & LT |
| -L- | 441+00 – 449+00 | RT & LT |
| -L- | 453+00 – 462+00 | RT & LT |
| -L- | 471+00 – 475+00 | RT |
| -L- | 477+00 – 479+00 | RT |
| -L- | 479+00 – 485+00 | RT & LT |
| -L- | 487+00 – 495+00 | RT & LT |
| -L- | 513+00 – 515+00 | LT |
| -L- | 517+00 – 521+00 | RT & LT |
| -L- | 555+00 – 557+00 | LT |
| -L- | 559+00 – 561+00 | RT & LT |
| -L- | 563+00 – 568+00 | RT & LT |
| -Y1- | 11+00 – 13+00 | RT & LT |
| -Y5- | 12+00 – 14+50 | RT & LT |

The following areas contain groundwater within **three (3)** feet of the existing grade:

| Line | Stations (±) | Offset |
|---|---|---|
| -L- | 9+00 – 11+00 | RT & LT |
| -L- | 13+00 – 15+00 | RT & LT |
| -L- | 19+00 – 21+00 | LT |
| -L- | 21+00 – 35+00 | RT & LT |
| -L- | 37+00 – 49+00 | RT & LT |
| -L- | 49+00 – 51+00 | LT |
| -L- | 51+00 – 199+00 | RT & LT |
| -L- | 207+00 – 231+00 | RT & LT |
| -L- | 233+00 – 245+00 | RT & LT |
| -L- | 245+00 – 247+00 | RT |
| -L- | 247+00 – 291+00 | RT & LT |
| -L- | 293+00 – 299+00 | RT & LT |
| -L- | 301+00 – 303+00 | RT & LT |
| -L- | 303+00 – 306+00 | LT |
| -L- | 309+00 – 315+00 | RT & LT |
| -L- | 315+00 – 317+00 | RT |
| -L- | 317+00 – 339+00 | RT & LT |
| -L- | 339+00 – 341+00 | RT |
| -L- | 343+00 – 351+00 | RT & LT |
| -L- | 353+00 – 363+00 | RT & LT |
| -L- | 363+00 – 365+00 | LT |
| -L- | 365+00 – 377+00 | RT & LT |
| -L- | 379+00 – 383+00 | RT & LT |
| -L- | 389+00 – 396+00 | RT & LT |
| -L- | 400+00 – 405+00 | RT & LT |
| -L- | 413+00 – 417+00 | RT & LT |
| -L- | 421+00 – 449+00 | RT & LT |
| -L- | 451+00 – 465+00 | RT & LT |
| -L- | 467+00 – 496+00 | RT & LT |
| -L- | 503+00 – 505+00 | RT |
| -L- | 509+00 – 524+00 | RT & LT |
| -L- | 529+00 – 533+00 | RT |
| -L- | 557+00 – 559+00 | LT |
| -L- | 559+00 – 568+50 | RT & LT |

| | | |
|---|---|---|
| -Y1- | 10+50 – 13+71 | RT & LT |
| -Y5- | 12+00 – 14+00 | RT & LT |

Prepared by,

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## Appendix A

### Bulk Samples

The following bulk samples were collected from cut sections for laboratory testing:

| Sample No. | Alignment | Station | Offset | Depth (ft) | Tests Performed |
|---|---|---|---|---|---|
| CBR-1 | L | 8+00 | 56' RT | 0.0-5.0 | California Bearing Ratio, Standard Proctor |
| CBR-2 | L | 14+00 | 60' LT | 0.0-5.0 | California Bearing Ratio, Standard Proctor |
| CBR-3 | L | 22+00 | 34' LT | 0.0-5.0 | California Bearing Ratio, Standard Proctor |
| CBR-4 | L | 36+00 | 51' RT | 0.0-5.0 | California Bearing Ratio, Standard Proctor |
| CBR-5 | L | 84+00 | 0 | 0.0-5.0 | California Bearing Ratio, Standard Proctor |
| CBR-6 | L | 98+00 | 30' LT | 0.0-5.0 | California Bearing Ratio, Standard Proctor |
| CBR-7 | L | 118+00 | 34' LT | 0.0-5.0 | California Bearing Ratio, Standard Proctor |
| CBR-8 | L | 124+00 | 58' RT | 0.0-5.0 | California Bearing Ratio, Standard Proctor |
| CBR-9 | L | 146+00 | 30' LT | 0.0-5.0 | California Bearing Ratio, Standard Proctor |
| CBR-10 | L | 152+00 | 18' LT | 0.0-5.0 | California Bearing Ratio, Standard Proctor |
| CBR-11 | L | 198+00 | 60' LT | 0.0-5.0 | California Bearing Ratio, Standard Proctor |
| CBR-12 | L | 218+00 | 78' LT | 0.0-5.0 | California Bearing Ratio, Standard Proctor |
| CBR-13 | L | 240+00 | 24' LT | 0.0-5.0 | California Bearing Ratio, Standard Proctor |
| CBR-14 | L | 284+00 | 25' RT | 0.0-5.0 | California Bearing Ratio, Standard Proctor |
| CBR-15 | L | 400+00 | 44' RT | 0.0-5.0 | California Bearing Ratio, Standard Proctor |
| CBR-16 | L | 422+00 | 55' LT | 0.0-5.0 | California Bearing Ratio, Standard Proctor |
| CBR-17 | L | 454+00 | 70' LT | 0.0-5.0 | California Bearing Ratio, Standard Proctor |
| CBR-18 | L | 466+00 | 74' LT | 0.0-5.0 | California Bearing Ratio, Standard Proctor |

### Shelby Tubes

The following Shelby tubes were collected for laboratory testing:

| Sample No. | Alignment | Station | Offset | Depth (ft) | Test Performed |
|---|---|---|---|---|---|
| ST-1 | L | 54+50 | 18' LT | 8.0-8.9 | Consolidation Testing |
| ST-2 | L | 158+80 | 46' RT | 5.5-7.5 | Consolidation Testing |
| ST-3 | L | 261+00 | 14' RT | 7.9-9.9 | Consolidation Testing |
| ST-4 | L | 281+00 | 60' LT | 13.7-15.7 | Consolidation Testing |
| ST-5 | L | 346+00 | 4' RT | 5.0-7.0 | Consolidation Testing |
| ST-6 | L | 346+00 | 4' RT | 13.5-15.5 | Consolidation Testing |
| ST-7 | L | 348+00 | 56' LT | 1.2-2.7 | Consolidation Testing |
| ST-8 | L | 370+00 | 69' RT | 3.0-5.0 | Consolidation Testing |
| ST-9 | L | 371+50 | 64' RT | 14.6-16.6 | Consolidation Testing |
| ST-10 | L | 499+00 | 16' LT | 1.0-3.0 | Consolidation Testing |
| ST-11 | L | 511+50 | 62' RT | 21.8-23.8 | Consolidation Testing |

### Vane Shear Tests

The following vane shear tests were performed at the following locations:

| Alignment | Station | Offset | Depth (ft) | Test Performed |
|---|---|---|---|---|
| L | 54+50 | 18' LT | 8.5 | Vane Shear Test |
| L | 158+80 | 46' RT | 8 | Vane Shear Test |
| L | 261+00 | 14' RT | 10.5 | Vane Shear Test |
| L | 281+00 | 60' LT | 16.5 | Vane Shear Test |
| L | 346+00 | 4' RT | 7.5 | Vane Shear Test |
| L | 346+00 | 4' RT | 16 | Vane Shear Test |
| L | 348+00 | 56' LT | 3.5 | Vane Shear Test |
| L | 370+00 | 69' RT | 4 | Vane Shear Test |
| L | 371+50 | 64' RT | 17.1 | Vane Shear Test |
| L | 499+00 | 16' LT | 3.5 | Vane Shear Test |
| L | 511+50 | 62' RT | 7.8 | Vane Shear Test |
| L | 511+50 | 62' RT | 24.8 | Vane Shear Test |

8/17/99

| 2020 ADT | -Y1- |
|---|---|
| 2040 ADT | ROBERSON RD. |

≤ 50 / 100

≤ 50 / < 50 ≤ 50 / < 50

7,460 / 12,180 7,460 / 12,180

-L- US 17

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 4 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
DO NOT USE FOR R/W ACQUISITION

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

NAD 83/2011

BEGIN CONSTRUCTION
-Y1- Sta. 10+50.00

-Y1- POT Sta. 10+00.00

-Y1- POT Sta. 14+25.74=
-L- POC Sta. 13+74.26

-L- CS Sta. 7+75.00

-L- ST Sta. 10+00.00

-L- TS Sta. 12+08.88

-L- SC Sta. 13+08.88

1 DAVID LEE LAWRENCE, JR.
DB 1431 PG 103

2 MCDONALD GAUTIER, III, ET AL
DB 1258 PG 57

3 ROSEANN BASS
DB 1809 PG 836
DB 739 PG 496
DB 804 PG 851

4 MAXWELL P. CHESNUTT FAMILY TRUST
DB 1124 PG 2

5 CHRISTIAN BASS TOPPIN
DB 1595 PG 341

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DB 1708 PG 617

BEGIN PROJECT R-2511
-L- CS Sta. 7+50.00

MATCHLINE -L- STA. 19+00 SEE SHEET 5

| -L- | | | |
|---|---|---|---|
| PI Sta 4+41.63 | PIs Sta 8+50.01 | PIs Sta 12+75.55 | PI Sta 19+91.66 |
| Δ = 12° 57' 40.5" (LT) | Θs = 2° 10' 39.5" | Θs = 0° 17' 11.3" | Δ = 7° 48' 42.9" (RT) |
| D = 1° 56' 08.4" | Ls = 225.00' | Ls = 100.00' | D = 0° 34' 22.6" |
| L = 669.60' | LT = 150.01' | LT = 66.67' | L = 1,363.44' |
| T = 336.24' | ST = 75.01' | ST = 33.33' | T = 682.78' |
| R = 2,960.00' | | | R = 10,000.00' |
| Se = 0.05 | | | Se = 0.025 |

FOR -L- PROFILE SEE SHT. 48
FOR -Y1- PROFILE SEE SHT. 69

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.


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8/17/99

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 5 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
**DO NOT USE FOR R/W ACQUISITION**

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

NAD 83/2011

7
ROSEANN BASS
DB 015E PG 178

10
JOSEPH D. ARNOLD, et ux
DB 1424 PG 402
DB 1300 PG 734

11
ROBERT PEADEN, et ux
DB 1411 PG 739

9
JOSEPH DONALD ARNOLD
DB 1300 - PG 734

13
MARSHA OWENS WILLIAMSON
DB 1664 - PG 919
DRAWN BY TAX MAPPING

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DB 1728 PG 342

MATCHLINE -L- STA. 19+00 SEE SHEET 4

MATCHLINE -L- STA. 32+00 SEE SHEET 6

-L- CS Sta. 26+72.32

-L- ST Sta. 27+72.32

-L-
PI Sta 19+91.66
Δ = 7° 48' 42.9" (RT)
D = 0° 34' 22.6"
L = 1,363.44'
T = 682.78'
R = 10,000.00'
Se = 0.025
PIs Sta 27+05.65
Θs = 0° 17' 11.3"
Ls = 100.00'
LT = 66.67'
ST = 33.33'

4
MAXWELL P. CHESNUTT FAMILY TRUST
DB 1124 PG 2
TRACT THREE

6
JAMES A. BIGGS, et UX
DB 955 PG 481
DB 846 PG 726

8
ALAMEDA L. EDWARDS
DB 869 PG 286

12
LOU DORA LEGGETT THOMPSON
DB 1286 PG 49
PARCEL 1

FOR -L- PROFILE SEE SHT. 48

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.


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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 6 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
DO NOT USE FOR R/W ACQUISITION

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

NAD 83/2011

MATCHLINE -L- STA. 32+00 SEE SHEET 5

MATCHLINE -L- STA. 45+00 SEE SHEET 7

13
MARSHA OWENS WILLIAMSON
DB 1664 - PG 919
DRAWN BY TAX MAPPING

19
DON W. NOBLES, et ux
DB 1226 PG 513
DRAWN BY TAX MAPPING

-L- TS Sta. 36+24.15

-L- CS Sta. 43+00.72

-L- SC Sta. 37+24.15

-L- SRS Sta. 44+00.72

PROP. 47" WW FENCE

CHORD

60' ACCESS BREAK

END FENCE

BEGIN FENCE

NO ASSOCIATED PIPING FOUND

HWY 17 28' BST

EXISTING R/W MONUMENT

14
LOU DORA LEGGETT THOMPSON
DB 1286 PG 49
PARCEL 2

15
HAROLD R. LILLEY, et ux
DB 1771 PG 853

16
MONROE H. APPLE, JR., et ux
DB 573 PG 149

17
JOSEPH DONALD ARNOLD
DB 1300 PG 734
TRACT FOUR (CHERRY TRACT II)

18
JAMES ALBERT WARREN
DB 1542 PG 855

9
JOSEPH DONALD ARNOLD
DB 1300 PG 734

MARVIN H. LEGGETT, et al
DB 1149 PG 300

| -L- | | |
|---|---|---|
| PIs Sta 36+90.82 | PI Sta 40+12.57 | PIs Sta 43+34.05 |
| Θs = 0° 22' 55.1" | Δ = 4° 24' 16.7" (RT) | Θs = 0° 22' 55.1" |
| Ls = 100.00' | D = 0° 45' 50.2" | Ls = 100.00' |
| LT = 66.67' | L = 576.57' | LT = 66.67' |
| ST = 33.33' | T = 288.43' | ST = 33.33' |
| | R = 7,500.00' | |
| | Se = 0.025 | |

FOR -L- PROFILE SEE SHTS. 48-49

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.


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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 7 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
DO NOT USE FOR R/W ACQUISITION

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

| 2020 ADT | -Y2- VOA RD. |
|---|---|
| 2040 ADT | 840 / 1,320 |
| 420 / 660 | 420 / 660 |
| 7,460 / 12,180 | 7,460 / 12,180 |
| | -L- US 17 |

NAD 83/2011

-L- SC Sta. 45+00.72

-L- CS Sta. 50+77.28

-L- ST Sta. 51+77.28

-Y2- PC Sta. 15+67.80

BEGIN CONSTRUCTION
-Y2- Sta. 15+00.00

-Y2- PT Sta. 17+30.46

-Y2- POT Sta. 18+32.93=
-L- POT Sta. 54+50.49

CHORD

BMI
BL STA 27+25
150' LT
ELEV=45.13'

BEGIN FENCE
+65.00

END FENCE
+80

END FENCE
+20.00

60' ACCESS BREAK

60' ACCESS BREAK

BEGIN FENCE

PROP. 47" WW FENCE

PROP. 47" WW FENCE 61 PVC

N 18° 53' 29.5" W

S 74°12'40" W
2751.74'

N 21°02'20" W
210.00'

S 68°57'40" W
382.67'

N 68°57'40" E
380.09'

S 26°10'19" E
1135.53'

S 71° 36' 44" E
LSR 480 (OLD ROAD) 66 BSL

NCGS ADKINS

50 PAIR COPPER
50 PAIR COPPER

19
DON W. NOBLES, et ux
DB 1226 PG 513
DRAWN BY TAX MAPPING

EAST COAST EQUIPMENT PARTNERS, LLC
DB 1699 PG 55

23
NORFLEET TANNER
ESTATE FILE 05E PG 323
MB 16 PG 48

17
JOSEPH DONALD ARNOLD
DB 1300 PG 734
TRACT FOUR (CHERRY TRACT II)

20
BILLY J. ARNOLD, et ux
DB 1392 PG 845
TRACT FOUR (CHERRY TRACT III)

22
EDWARD G. WARD HEIRS.
DB 606 PG 252

MATCHLINE -L- STA. 45+00 SEE SHEET 6

MATCHLINE -L- STA. 58+00 SEE SHEET 8

| -L- | | | -Y2- |
|---|---|---|---|
| PIs Sta 44+67.38 | PI Sta 47+89.14 | PIs Sta 51+10.62 | PI Sta 16+52.13 |
| Θs = 0° 22' 55.1" | Δ = 4° 24' 16.7" (LT) | Θs = 0° 22' 55.1" | Δ = 37° 16' 44.8" (LT) |
| Ls = 100.00' | D = 0° 45' 50.2" | Ls = 100.00' | D = 22° 55' 05.9" |
| LT = 66.67' | L = 576.57' | LT = 66.67' | L = 162.66' |
| ST = 33.33' | T = 288.43' | ST = 33.33' | T = 84.33' |
| | R = 7,500.00' | | R = 250.00' |
| | Se = 0.025 | | Se = 0.04 |

FOR -L- PROFILE SEE SHT. 49
FOR -Y2- PROFILE SEE SHT. 69

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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 8 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

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MATCHLINE –L– STA. 58+00 SEE SHEET 7

MATCHLINE –L– STA. 71+00 SEE SHEET 9

23
NORFLEET TANNER
ESTATE FILE 05E PG 323
MB 16 PG 48

25
EDWARD G. WARD HEIRS.
ESTATE FILE 85E PG 164
TRACT TWO

27
MARVIN A. TANNER, SR., et al
ESTATE FILE 09-E PG 311

20
BILLY J. ARNOLD, et ux
DB 1392 PG 845
TRACT FOUR (CHERRY TRACT III)

24
GEORGE S. BLAND, et al
DB 1190 PG 891
DB 706 PG 361(MAP)

26
EDWARD G. WARD, et ux
ESTATE FILE 85E PG 164

28
ALTON R. HARRIS, et ux
DB 745 PG 200
DB 701PG 412 (MAP)

29
ROBERT J. ALLIGOOD, et ux
DB 920 PG 665

| –L– | | |
|---|---|---|
| PIs Sta 64+99.69 | PI Sta 67+22.31 | PIs Sta 69+44.77 |
| Θs = 0° 41' 20.1" | Δ = 4° 11' 30.5" (RT) | Θs = 0° 41' 20.1" |
| Ls = 120.00' | D = 1° 08' 53.6" | Ls = 120.00' |
| LT = 80.00' | L = 365.07' | LT = 80.00' |
| ST = 40.00' | T = 182.62' | ST = 40.00' |
| | R = 4,990.00' | |
| | Se = 0.03 | |

FOR –L– PROFILE SEE SHTS. 49–50

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.


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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 9 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
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**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

NAD 83/2011

MATCHLINE –L– STA. 71+00 SEE SHEET 8

MATCHLINE –L– STA. 84+00 SEE SHEET 10

S 23°04'57" W
728.50'

N 73°28'19" W
202.41'

BM3
BL STA 61+72
359' LT
ELEV=45.14'

27
MARVIN A. TANNER, SR., et al
ESTATE FILE 09-E PG 311

31
BIG BUCK PLANTATION
ESTATE FILE 09-E PG 311

PUE / PDE
PROP. 47" WW FENCE
END FENCE +95
BEGIN FENCE +95
60' ACCESS BREAK
6" PVC
GREU TL-3
50 PAIR COPPER
15" RCP
12" STEEL
ISED
ISBKD
CANOPY
CONC
EIP
TC
FO
G
W
F
T
PS
2' 12/12
46'
220'
+35.00 130'
+45.00 110'
+65.00 110'
+10
+85
+20
+50
+25
+35
+95
±24.00 RPINS

75+00
80+00

N 13° 19' 18.7" W

N 77°48'46" E
209.06'
N 12°06'50" W
208.71'
S 77°53'00" W
208.99'

S 85°03'08" W
567.32'
N 85°03'08" E
299.31'
N 85°03'08" E
298.87'
N 85°03'08" E
566.69'
N 85°03'08" E
268.00'
S 12°26'52" E
70.00'
N 85°01'25" E
566.03'
N 85°02'32" E
565.69'
N 85°03'47" E
566.03'
N 85°17'47" E
360.13'
N 85°17'47" E
567.09'
N 85°17'47" W
180.50'
N 85°02'08" E

30
ROBERT J. ALLIGOOD, et ux
DB 760 PG 662

29
ROBERT J. ALLIGOOD, et ux
DB 920 PG 665

32
STEPNEN L. JAMES, et ux
DB 1710 PG 892

33
SAM L. SILVERTHORNE, JR.
DB 1359 PG 135

34
SAM L. SILVERTHORNE, JR.
DB 1200 PG 428

35
SAM L. SILVERTHORNE, JR.
DB 942 PG 505

36
JOSEPH SPENCER, SR., et ux
DB 793 PG 245

37
RUFFIN R. KEYES, et ux
DB 987 PG 548

38
GEORGE W. MOORE, et al
DB 940 PG 75

39
ALEXANDER SMITH JR., et al
TRUSTEES OF DIVINE TRUTH HOLINESS CHURCH
DB 1039 PG 129

29
ROBERT J. ALLIGOOD, et ux
DB 920 PG 665

FOR –L– PROFILE SEE SHT. 50

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.

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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 10 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
DO NOT USE FOR R/W ACQUISITION

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

NAD 83/2011

MATCHLINE –L– STA. 84+00 SEE SHEET 9

MATCHLINE –L– STA. 97+00 SEE SHEET 11

31 BIG BUCK PLANTATION ESTATE FILE 09-E PG 311

49 MARK FULLERTON, et al DB 1779 PG 868 DB 938 PG 791(MAP)

45 BIG SWAMP, LLC ESTATE FILE 08-E PG 373

39 ALEXANDER SMITH, et al TRUSTEES OF DIVINE TRUTH HOLINESS CHURCH DB 1039 PG 129

40 MARY JO O'MERRY PERRY DB 705 PG 437

41 DAVID EARL TYSON DB 865 PG 274

42 DAVID EARL TYSON DB 764 PG 646

43 DAVID E. TYSON DB 1628 PG 506 PC "H" SLIDE 10-5

44 DAVID E. TYSON DB 1773 PG 429 PC "H" SLIDE 82-9

44A JOHN C. GORHAM, JR. DB 1251PG 878

46 DAVID TYSON DB 1666 PG 617 PC "H" SLIDE 29-3

47 KATREVIA RENEE RODGERS DB 1666 PG 348 PC "H" SLIDE 29-3

48 LOVE FAITH HOLINESS CHURCH DB 1255 PG 222 DB 949 PG 785 (MAP) DB 916 PG 331(MAP)

RUFUS H. WILSON, SR., et ux DB 1056 PG 908

ROBERT J. ALLIGOOD, et ux DB 920 PG 665

FOR –L– PROFILE SEE SHTS. 50–51

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.

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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 11 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
DO NOT USE FOR R/W ACQUISITION

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

NAD 83/2011

MATCHLINE -L- STA. 97+00 SEE SHEET 10

MATCHLINE -L- STA. 110+00 SEE SHEET 12

-L- TS Sta. 100+69.03

-L- SC Sta. 101+89.03

-L- CS Sta. 106+14.42

-L- ST Sta. 107+34.42

49
MARK FULLERTON, et al
DB 1779 PG 868
DB 938 PG 791(MAP)

45
BIG SWAMP, LLC
ESTATE FILE 08-E PG 373

55
STEVE R. GORHAM, et ux
DB 1258 PG 777

48
LOVE FAITH HOLINESS CHURCH
DB 1255 PG 222
DB 949 PG 785 (MAP)
DB 916 PG 331(MAP)

50
JAMES DANIELS
DB 918 PG 945

51
DELPHINE CHAPMAN, et al
TRUSTEES of CHERRY RUN AME ZION CHURCH
DB 1604 PG 409
DB 941PG 591(MAP)

52
ROSA L. JONES, et vir
DB 1420 PG 674

53
JOHN C. GORHAM, JR, et al
DB 1251PG 878

54
WILEY E. DUNN, III, et al
ESTATE FILE 06 PG 209
DB 419 PG 435
MB 1PG 105
TRACT 7

BM4
SL STA 87+35
145' RT
ELEV=46.15'

PROP. 47" WW FENCE

-L-

| | | |
|---|---|---|
| PIs Sta 101+49.03 | PI Sta 104+01.85 | PIs Sta 106+54.42 |
| Θs = 0° 41' 15.2" | Δ = 4° 52' 28.9" (LT) | Θs = 0° 41' 15.2" |
| Ls = 120.00' | D = 1° 08' 45.3" | Ls = 120.00' |
| LT = 80.00' | L = 425.40' | LT = 80.00' |
| ST = 40.00' | T = 212.83' | ST = 40.00' |
| | R = 5,000.00' | |
| | Se = 0.03 | |

FOR -L- PROFILE SEE SHT. 51

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.


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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 12 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83/2011

55
STEVE R. GORHAM, et ux
DB 1258 PG 777

45
RETHA L. GORHAM, et al
ESTATE FILE 08-E PG 373

N 82°28'47" E
448.10'

N 19°53'02" W
14.61'

N 19°53'02" W
303.81'

S 19°53'05" E
139.99'

S 69°24'57" W
65.59'

56
DURWOOD K. WYNNE, et ux
DB 598 PG 91

57
DURWOOD K. WYNNE, et ux
DB 923 PG 364
SUBJECT TO VEPCO ROW

60' ACCESS BREAK

BEGIN FENCE

END FENCE

+93.00
123'

+85.00
110'

+62.64
110'

PROP. 47" WW FENCE

EXISTING R/W

EXIST. R/W MON

36" CONC

15" RCP

6" PVC

12" STEEL

50' FAIR COPPER

N 19° 34' 17.9" W

115+00

120+00

110'

220'

46'

4' 12½' PS

025

HWY 17

28' BST

MATCHLINE -L- STA. 110+00 SEE SHEET 11

MATCHLINE -L- STA. 123+00 SEE SHEET 13

54
WILEY E. DUNN, III, et al
ESTATE FILE 06 PG 209
DB 419 PG 435
MB 1 PG 105
TRACT 7

58
WILEY E. DUNN, III, et al
ESTATE FILE 06 PG 209
DB 419 PG 271
MB 1 PG 105
TRACT 8

59
TREASURE H. EDWARDS
DB 625 PG 305

S 84°53'27" W
253.48'

N 84°52'08" E
210.17'

FOR -L- PROFILE SEE SHTS. 51-52

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.

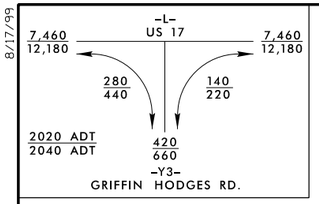
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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 13 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

NAD 83/2011

**INCOMPLETE PLANS**
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**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

45
RETHA L. GORHAM, et al
ESTATE FILE 08-E PG 373

-Y3- POT Sta. 10+00.00=
-L- POT Sta.132+89.66

MATCHLINE -L- STA. 123+00 SEE SHEET 12

MATCHLINE -L- STA. 136+00 SEE SHEET 14

PROP. 47" WW FENCE

END FENCE +40
60' ACCESS BREAK
BEGIN FENCE

125+00

130+00

135+00

EXISTING R/W

50 PAIR COPPER

INV=40.79

N 19° 34' 17.9" W

6" PVC

6" STEEL CASING

12" RCP

300' TAPER

END FENCE +35
60' ACCESS BREAK
BEGIN FENCE

END FENCE +77.44

BEGIN FENCE +37.95

CEMETERY
7 MARKED GRAVES

ISFD

END CONSTRUCTION
-Y3- Sta.13+22.00

N 63° 04' 37.8" E

GRIFFIN HODGES ROAD (SR 1420)

-Y3-

15+00

BM5
BL STA 112+35
303' RT
ELEV=45.65'

S 84°52'05" W
1534.30'

59
TREASURE H. EDWARDS
DB 625 PG 305

60
CAROLE HODGES RAIFORD (TAX)
CAROLE HODGES WILLIAMS (DEED)
DB 625 PG 312

61
OSCAR CHURCHILL HODGES, III
DB 1089 PG 745

FOR -L- PROFILE SEE SHT. 52
FOR -Y3- PROFILE SEE SHT. 69
ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.


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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 14 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
DO NOT USE FOR R/W ACQUISITION

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

NAD 83/2011

MATCHLINE –L– STA. 136+00 SEE SHEET 13

MATCHLINE –L– STA. 149+00 SEE SHEET 15

45
RETHA L. GORHAM, et al
ESTATE FILE 08-E PG 373

63
JAMES L. HODGES, JR.
DB 1161 PG 881
PC "C" SLIDE 369

64
JAMES L. HODGES, JR.
DB 1161 PG 881
MB 828 PG 614 (MAP)

65
DURWOOD K. WYNNE SR.
ESTATE FILE 07E PG 208
DRAWN BY TAX MAPPING

65
DURWOOD K. WYNNE SR.
ESTATE FILE 07E PG 208
DRAWN BY TAX MAPPING

66
VICKIE DOREEN SHEPPARD
DB 93[illegible] PG 951

61
OSCAR CHURCHILL HODGES, III
DB 1089 PG 745

62
JAMES L. HODGES, JR. et ux
DB 1828 PG 781
DRAWN BY TAX MAPPING (NOT DEED)

60' ACCESS BREAK

BEGIN FENCE

END FENCE

PROP. 47" WW FENCE

CEMETERY GRAVES

EXISTING R/W

HWY 17 28' BST

50 PAIR COPPER

15" RCP

6" PVC

PUE

PDE

2SFD

S

ISBKD

ISED

HTR

CONC

FOR –L– PROFILE SEE SHTS. 52–53

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.

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| 2020 ADT | -Y4- WOOLARD RD. |
|---|---|
| 2040 ADT | 420 / 660 |
| 180 / 340 | 240 / 320 |
| 7,800 / 15,000 | 7,860 / 12,180 |
| -L- US 17 | |

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 15 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
DO NOT USE FOR R/W ACQUISITION

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

NAD 83/2011

-Y4- PT Sta. 16+62.46

BEGIN CONSTRUCTION
-Y4- Sta. 17+00.00

30' PRIVATE RIGHT-OF-WAY
N 01°41'28" W
30.87'

50' TAPER

22'

6" PVC

SR 1410 WOOLARD ROAD

N 85° 21' 11.8" E
174.00'

+08.34
30.00'

WILLIAM V. WARD
ESTATE FILE 95-E PG 99

STEVEN C. WARD
DB 907 PG 858
DB 781 PG 505 (MAP)

END C/A
END FENCE
+45.00

N 04°28'52" W
248.75'

ALEX J. TYSON
DB 1921 PG 671

BEGIN C/A
BEGIN FENCE
+75.00

ISBKD

WILLIAM V. WARD, ET AL
95E - 99

N 85°25'52" E
170.30'

N 32°50'17" E
254.00'

N 32°50'17" E
105.00'

N 28°50'17" E
103.50'

BEGIN BRIDGES
-L- Sta. 156+25.00

BEGIN APPROACH SLABS
-L- Sta. 156+00.00

-L- TS Sta. 152+21.24

SANDRA W. WYNN
WB 14E PG 201
DRAWN BY TAX MAPPING

EIP

PROP. 47" WW FENCE

S 69°45'23" E
104.00'

90.00'
3.22.57"

40' TYP.

81.24

150+00

150'

N 19° 34' 17.9" W
92.41'

-L-

155+00

12" STEEL

6" PVC

GREU TL-3

50 PAIR COPPER

24" RCP

24" HDPE

15" RCP

EXISTING R/W

BM6
BL STA 132+37
94' RT
ELEV=38.73'

-L- SC Sta. 153+81.24

JAMES L. HODGES, JR. et ux
DB 1828 PG 781
DRAWN BY TAX MAPPING (NOT DEED)

GUM SWAMP CREEK

N 05°50'17" E
116.00'

N 18°09'43" W
246.67'

+02.48
30.85

INV=32.18'
24" CMP

R=500.08'
Δ=31.79'

INV=32.19'

INV=32.25'

30" RCP

CONC SEAT

TYPE B-77

TYPE B-77

MTL

T FO

TC

IS

S 06°43'49" E
222.33'

300' TAPER

160+00

200 PAIR

-Y4- POT Sta. 20+93.34=
-L- POC Sta. 157+73.77

END APPROACH SLABS
-L- Sta. 157+10.00

END BRIDGES
-L- Sta. 156+85.00

MATCHLINE -L- STA. 149+00 SEE SHEET 14

MATCHLINE -L- STA. 162+00 SEE SHEET 16

| -L- | | -Y4- |
|---|---|---|
| PIs Sta 153+27.91 | PI Sta 158+92.32 | PI Sta 15+62.34 |
| θs = 1° 20' 53.3" | Δ = 17° 05' 49.9" (RT) | Δ = 8° 56' 46.5" (RT) |
| Ls = 160.00' | D = 1° 41' 06.6" | D = 4° 27' 31.7" |
| LT = 106.67' | L = 1,014.57' | L = 200.64' |
| ST = 53.34' | T = 511.08' | T = 100.53' |
| | R = 3,400.00' | R = 1,285.00' |
| | Se = 0.04 | Se = 0.04 |

FOR -L- PROFILE SEE SHT. 53
FOR -Y4- PROFILE SEE SHT. 69
ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.


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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 16 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

NAD 83/2011

**INCOMPLETE PLANS**
DO NOT USE FOR R/W ACQUISITION

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

MATCHLINE -L- STA. 162+00 SEE SHEET 15

MATCHLINE -L- STA. 175+00 SEE SHEET 17

69 WILLIAM V. WARD ESTATE FILE 95-E PG 99 LOT 1

71 WILLIAM V. WARD ESTATE FILE 95-E PG 99 LOT 2

70 NORTHGATE HOMES, LLC DB 1665 PG 722

72 JAMES L. HODGES, et ux DB 810 PG 547

73 JAMES L. HODGES DB 1659 PG 89

77 JAMES H. ROBERSON, JR. DB 1027 PG 395

JAMES H. ROBERSON, JR., et ux DB 1143 PG 189

78 HELEN KATHERINE MITCHELL, et al DB 1749 PG 304

79 SHANDA R. SMALLWOOD, et vir DB 1198 PG 755 DB 1065 PG 557 (MAP)

75 EDWARD L. HUGHES, et ux DB 1332 PG 890 DB 1159 PG 696 (MAP)

74 JAMES L. HODGES, et ux DB 1085 PG 103

76 OSCAR CHURCHILL HODGES, III DB 783 PG 634 TRACT 4

62 JAMES L. HODGES, JR. et ux DB 1828 PG 781 DRAWN BY TAX MAPPING (NOT DEED)

-L- ST Sta. 165+55.81

-L- CS Sta. 163+95.81

CHORD

END FENCE +90

BEGIN FENCE

END FENCE +25

BEGIN FENCE

END FENCE +45

BEGIN FENCE +50

RELOCATE CEMETERY

60' ACCESS BREAK

PROP. 47' WW FENCE

HWY 17 28' BST

100 PAIR COPPER

24" RCP

12" STEEL

6" PVC

CEMETERY

ISFD ABAND

ISFBUS

HTR

CONC

EIP

EXIST. R/W MON

BM 7 BL STA 149+84 163' RT ELEV=41.81'

N 0°13'18.6" E

S 16°55'41" E 430.00'

-L-

| | |
|---|---|
| PI Sta 158+92.32 | PIs Sta 164+49.14 |
| Δ = 17° 05' 49.9" (RT) | Θs = 1° 20' 53.3" |
| D = 1° 41' 06.6" | Ls = 160.00' |
| L = 1,014.57' | LT = 106.67' |
| T = 511.08' | ST = 53.34' |
| R = 3,400.00' | |
| Se = 0.04 | |

FOR -L- PROFILE SEE SHT. 53

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.

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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 17 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
**DO NOT USE FOR R/W ACQUISITION**

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

NAD 83/2011

STUART B. HARRIS, et ux
DB 1075 PG 427

N 00°12'56" E
420.00'

S 00°04'58" W
166.70'

EIP

79
SHANDA R. SMALLWOOD, et vir
DB 1198 PG 755
DB 1065 PG 557 (MAP)

80
JOHN A. WYNN, et ux
DB 795 PG 823

81
TOBY R. ALLIGOOD, et ux
DB 1061PG 604

82
JAMES W. ROBERSON, JR., et ux
DB 1444 PG 322

N 88°17'04" W
328.22'

S 88°17'04" E
1360.20'

S 71°25'09" E
2000.59'

HTR
24' PAVERS

MATCHLINE –L– STA. 175+00 SEE SHEET 16

MATCHLINE –L– STA. 188+00 SEE SHEET 18

60' ACCESS BREAK

BEGIN FENCE

END FENCE +85

END FENCE +93

+40 STONE WALL

+41.46 120

+99.00 158'

+65.50 116'

+75.00 110'

+10.00 110

+68.00 116

+00.00 110

PROP. 47" RCP

PROP. 47" WW FENCE

6" PVC

24" RCP

12" STEEL

5" RCP

4" PS

12 1/2"

2" 1/2" PS

HWY 17 28' BST

180+00

185+00

100 PAIR COPPER

N 0°13'18.6" E

25' TYP.

220'

46'

025

02

PDE

PUE

F

TC

60' ACCESS BREAK

END FENCE +55

BEGIN FENCE

76
OSCAR CHURCHILL HODGES, III
DB 783 PG 634
TRACT 4

FOR –L– PROFILE SEE SHT. 54

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.


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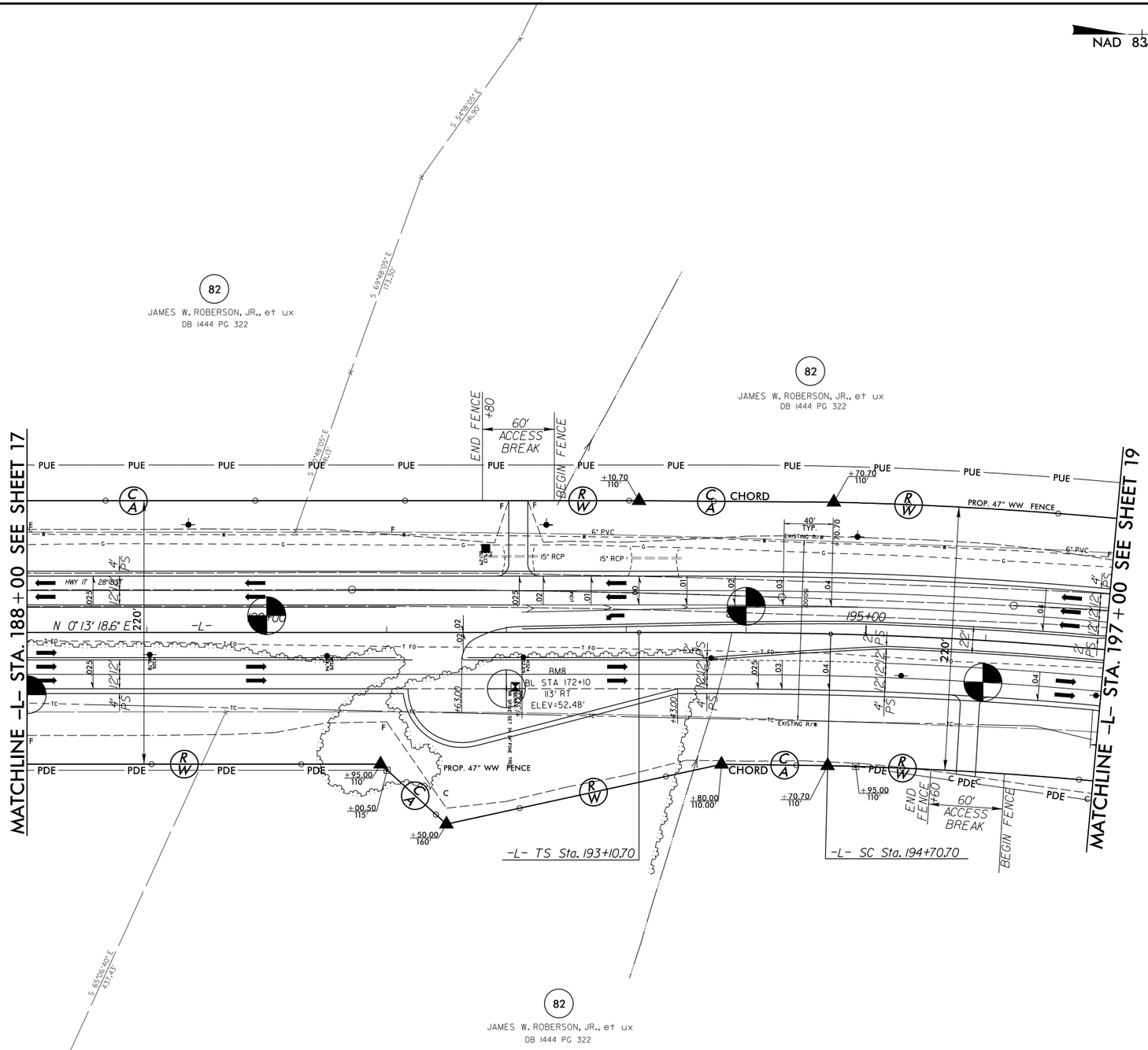
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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 18 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

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NAD 83/2011




| -L- | |
|---|---|
| PIs Sta 194+17.37 | PI Sta 200+89.07 |
| Θs = 1° 20' 53.3" | Δ = 20° 36' 56.6" (RT) |
| Ls = 160.00' | D = 1° 41' 06.6" |
| LT = 106.67' | L = 1,223.36' |
| ST = 53.34' | T = 618.37' |
| | R = 3,400.00' |
| | Se = 0.04 |

FOR -L- PROFILE SEE SHT. 54

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.


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| 2020 ADT | -Y5- BEAR GRASS RD. | |
|---|---|---|
| 2040 ADT | 840 / 1,320 | |
| -L- US 17 | 560/880 · 7,860/11,100 | 220/460 · 7,520/11,760 -L- US 17 |
| | ≤70/110 | ≤70/110 |
| | 140/220 | |
| | -Y5- BEAR GRASS RD. | |

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 19 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
DO NOT USE FOR R/W ACQUISITION

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

NAD 83/2011

MATCHLINE -L- STA. 197+00 SEE SHEET 18

MATCHLINE -L- STA. 210+00 SEE SHEET 20

-Y5- POT Sta. 10+00.00

-Y5- PC Sta. 12+75.98

BEGIN CONSTRUCTION
-Y5- Sta.12+00.00

END FENCE
END C/A
+20.00

BEGIN FENCE
BEGIN C/A
+20.00 -X-

-Y5- POC Sta. 15+45.94=
-L- POC Sta.200+62.53

-Y5- PT Sta. 17+23.18

END FENCE
+80.00

END CONSTRUCTION
-Y5- Sta.18+45.00

-Y5- POT Sta. 20+08.23

BEGIN FENCE
+50.00

-L- CS Sta. 206+94.06

-L- ST Sta. 208+54.06

82 JAMES W. ROBERSON, JR., et ux DB 1444 PG 322

83 ROSE ANNE POIST DB 1715 PG 63

84 JAMES W. ROBERSON, JR., et ux DB 723 PG 277

85 DONALD W. WYNNE, et ux DB 1434 PG 732

86 JAMES W. ROBERSON, JR. DB 1196 PG 865 DRAWN BY TAX PARCELS

87 MARY W. FAIRCLOTH ESTATE FILE 04E PG 306 DRAWN BY TAX PARCELS

88 BEAUMAR FARMS, LLC DB 1711 PG 41

89 MILDRED W. LEE DB 1347 PG 25 PARCEL 1

90 MILDRED W. LEE DB 1347 PG 25 PARCEL 2

JAMES W. ROBERSON, JR., et ux DB 1386 PG 408

JAMES W. ROBERSON, JR., et ux DB 1444 PG 322

60' ACCESS BREAK

300' TAPER

50' TAPER

FOR -L- PROFILE SEE SHTS. 54-55
FOR -Y5- PROFILE SEE SHT. 69
ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.

| -L- | | -Y5- |
|---|---|---|
| PI Sta 200+89.07 | PIs Sta 207+47.40 | PI Sta 15+15.78 |
| Δ = 20° 36' 56.6" (RT) | Θs = 1° 20' 53.3" | Δ = 51° 14' 42.6" (LT) |
| D = 1° 41' 06.6" | Ls = 160.00' | D = 11° 27' 33.0" |
| L = 1,223.36' | LT = 106.67' | L = 447.20' |
| T = 618.37' | ST = 53.34' | T = 239.80' |
| R = 3,400.00' | | R = 500.00' |
| Se= 0.04 | | Se = 0.04 |

*PLANS PREPARED BY :*

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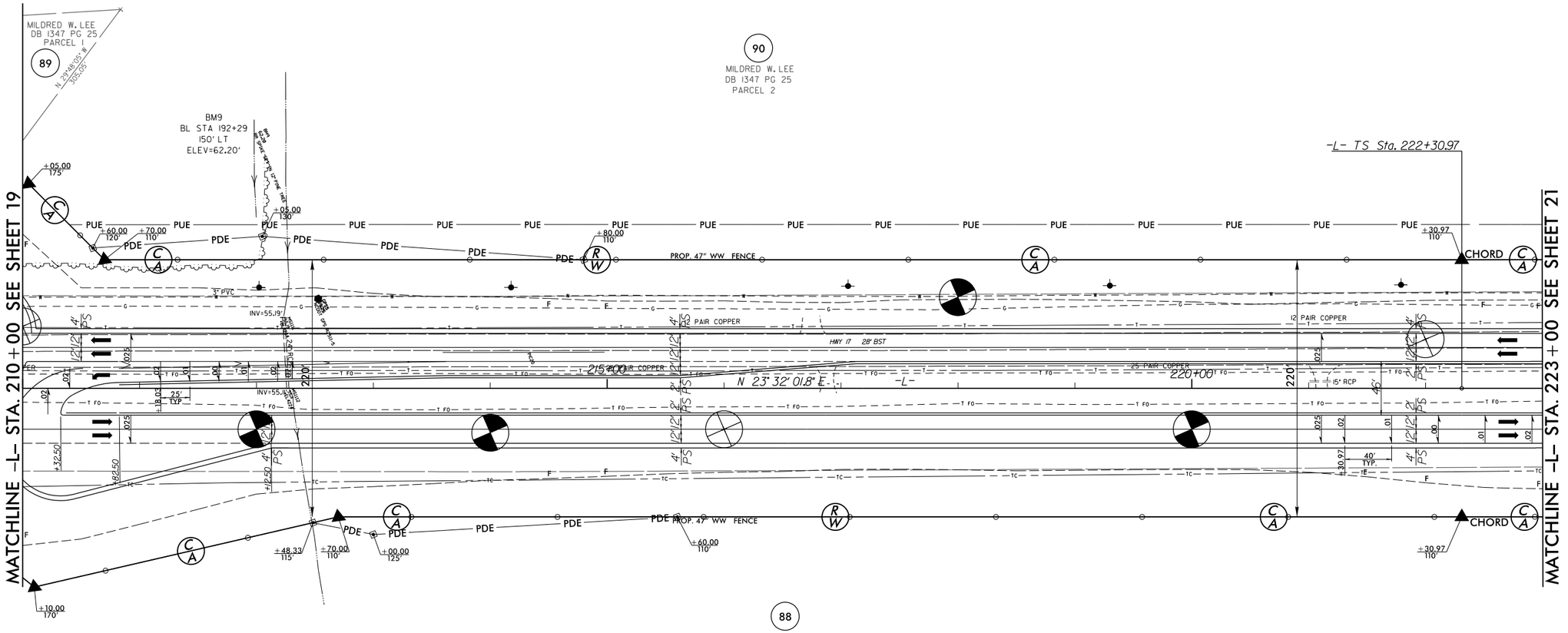
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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 20 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

NAD 83/2011

**INCOMPLETE PLANS**
**DO NOT USE FOR R/W ACQUISITION**

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**




-L-
Pls Sta 222+97.63
Θs = 0° 17' 11.3"
Ls = 100.00'
LT = 66.67'
ST = 33.33'

FOR -L- PROFILE SEE SHT. 55

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.


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NC LICENSE NO. F-0112 • (919) 878-9560


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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 21 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
DO NOT USE FOR R/W ACQUISITION

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

NAD 83/2011

90
MILDRED W. LEE
DB 1347 PG 25
PARCEL 2

BEAUFORT CO.
MARTIN CO.

S 60°30'59" E
1994.97'

91
KADER B. WARD, et al
DB 0-21 PG 173

-L- SC Sta. 223+30.97

-L- CS Sta. 233+56.89

-L- ST Sta. 234+56.89

MATCHLINE -L- STA. 223+00 SEE SHEET 20

MATCHLINE -L- STA. 236+00 SEE SHEET 22

END FENCE +30
60' ACCESS BREAK
BEGIN FENCE
ISFD
PROP. 47" WW FENCE
CHORD
COUNTY LINE
END FENCE +35
60' ACCESS BREAK
BEGIN FENCE
ISFD
PROP. 47" WW FENCE

88
BEAUMAR FARMS, LLC
DB 1711 PG 41

92
C.B. AYERS
C/O DORA R. AYERS
DB R-11 PG 348

| -L- | | |
|---|---|---|
| PIs Sta 222+97.63 | PI Sta 228+44.38 | PIs Sta 233+90.23 |
| Θs = 0° 17' 11.3" | Δ = 5° 52' 41.3" (LT) | Θs = 0° 17' 11.3" |
| Ls = 100.00' | D = 0° 34' 22.6" | Ls = 100.00' |
| LT = 66.67' | L = 1,025.93' | LT = 66.67' |
| ST = 33.33' | T = 513.41' | ST = 33.33' |
| | R = 10,000.00' | |
| | Se = 0.025 | |

FOR -L- PROFILE SEE SHTS. 55-56

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.


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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 22 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
**DO NOT USE FOR R/W ACQUISITION**

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

NAD 83/2011

91
KADER B. WARD, et al
DB 0-21PG 173

MATCHLINE –L– STA. 236+00 SEE SHEET 21

MATCHLINE –L– STA. 249+00 SEE SHEET 23

PUE PDE R/W C/A F TC EIP

±00.00 110'
±35.00 110'
±75.00 120'
±30.00 110'
±52.00 115'
±15.00 110'

PROP. 47" WW FENCE

BMIO
BL STA 225+68
115' LT
ELEV=61.39'

END FENCE +75
60' ACCESS BREAK
BEGIN FENCE

EXISTING R/W
HWY 17 24' BST
4" PS 12 1/2
110'
+72.50
025
025.02
025.01
46.27
25' TYP.

240+00
245+00
N 17°04' 57.9" E
6" WATERLIN
12" STEEL
15" RCP
18" RCP
NCGS CLYDE
2SFD
4" COPPER
4" PS

END FENCE +40
60' ACCESS BREAK
BEGIN FENCE
END FENCE +10
60' ACCESS BREAK
PUE
BEGIN FENCE
END FENCE +20
60' ACCESS BREAK
BEGIN FENCE

92
C.B. AYERS
C/O DORA R. AYERS
DB R-11PG 348

93
CHARLES S. STEWARD, JR.
.et ux
DB Y-14 PG 80

94
LARRY R. SCOTT, et ux
DB G-15 PG 572

92
C.B. AYERS
C/O DORA R. AYERS
DB R-11PG 348

N 40°04'27" W 60.50'
S 70°56'09" E 45.55'
S 76°39'51" E 77.16'
S 76°39'51" E 383.22'

FOR –L– PROFILE SEE SHT. 56

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.

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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 23 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
**DO NOT USE FOR R/W ACQUISITION**

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

NAD 83/2011

MATCHLINE -L- STA. 249+00 SEE SHEET 22

MATCHLINE -L- STA. 262+00 SEE SHEET 24

KADER B. WARD, et ux
DB N-13 PG 765

ERIC C. WHITEHURST
DB B-24 PG 830
PC "C" SLIDE 141-E

CEMETERY
12 MARKED GRAVES

91
KADER B. WARD, et al
DB O-21PG 173

93
KADER B. WARD, et al
DB O-21PG 170

97
CAROLYN W. MANNING
DB Q-17 PG 331

-L- TS Sta. 256+47.71

-L- SC Sta. 257+67.71

END FENCE +80

60' ACCESS BREAK

BEGIN FENCE

END FENCE +75

60' ACCESS BREAK

BEGIN FENCE

END FENCE +35

60' ACCESS BREAK

PROP. 47' WW FENCE

CHORD

92
C.B. AYERS
C/O DORA R. AYERS
DB R-11PG 348

94
JAMES A. HALE, et al
DB Q-14 PG 961

96
MITCHELL D. WATERS, et al
DB M-23 PG 155
PC C SLIDE 126-H

98
WILLIAM FRANKLIN HOLIDAY HEIRS
DB J-5 PG 538

95
CONNIE E. LEE
DB M-23 PG 158
PC C SLIDE 126-H

| -L- | |
|---|---|
| PIs Sta 257+27.71 | PI Sta 266+70.02 |
| Θs = 0° 41' 15.2" | Δ = 20° 27' 33.2" (LT) |
| Ls = 120.00' | D = 1° 08' 45.3" |
| LT = 80.00' | L = 1,785.41' |
| ST = 40.00' | T = 902.31' |
| | R = 5,000.00' |
| | Se = 0.03 |

FOR -L- PROFILE SEE SHTS. 56-57

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.


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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 24 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
**DO NOT USE FOR R/W ACQUISITION**

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

NAD 83/2011

ERIC C. WHITEHURST
DB B-24 PG 830
PC "C" SLIDE 141-E

LYNN W. CONNER, et vir
DB B-24 PG 826
PC "C" SLIDE 141-E

97
CAROLYN W. MANNING
DB 0-17 PG 331

99
CHARLES A. COFFIELD, JR.
DB C-21PG 467

100
ALICE B. WILLIAMS (DEED)
ALICE B. COFFIELD, et vir (TAX)
DB J-11PG 155

101
LINDA W. HARRISON, et vir
DB B-24 PG 822
PC "C" SLIDE 141-E

98
WILLIAM FRANKLIN HOLIDAY HEIRS
DB J-5 PG 538

30' INGRESS-EGRESS E
N 09°43'20" E 187.21'
N 89°03'00" E 58.07'
N 07°53'00" E 150.84'
S 07°53'09" W 223.41'
S 62°59'24" W 16.04'
S 75°17'38" E 231.09'
S 89°03'00" W 300.00'
N 89°03'00" E 242.93'
N 72°54'41" W 243.81'

MATCHLINE -L- STA. 262+00 SEE SHEET 23

MATCHLINE -L- STA. 275+00 SEE SHEET 25

265+00 270+00 275+00 -L-

60' ACCESS BREAK

BEGIN FENCE

END FENCE

HTR

ISFD

ISFD ABAND

WD

72" CHL

2" STEEL

15" RCP

INV=52.85'

INV=52.45'

6" WATERMAIN

12" STEEL

4" PS

EXISTING R/W MONUMENT

EXISTING R/W

PROP. 47" WW FENCE

PDE

PUE

PK

TC

F

T FO

G

W

E

EIP

-L-
PI Sta 266+70.02
△ = 20° 27' 33.2" (LT)
D = 1° 08' 45.3"
L = 1,785.41'
T = 902.31'
R = 5,000.00'
Se = 0.03

FOR -L- PROFILE SEE SHT. 57

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.


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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 25 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
DO NOT USE FOR R/W ACQUISITION

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

NAD 83/2011

MATCHLINE –L– STA. 275+00 SEE SHEET 24

MATCHLINE –L– STA. 288+00 SEE SHEET 26

101
LINDA W. HARRISON, et vir
DB B-24 PG 822
PC "C" SLIDE 141-E

103
JOHN DAVID HODGES, JR.
DB G-4 PG 244

98
WILLIAM FRANKLIN HOLIDAY HEIRS
DB J-5 PG 538

102
PATRICIA G. WOOLARD
DB L-18 PG 277
DB B-13 PG 138(MAP)

103
JOHN DAVID HODGES, JR.
DB G-4 PG 244

-L- CS Sta. 275+53.12
-L- ST Sta. 276+73.12
CHORD
60' ACCESS BREAK
BEGIN FENCE
END FENCE +30
PROP. 47" WW FENCE
RELOCATE CEMETERY
CEMETERY
32 MARKED GRAVES
NCGS HOLLIDAY
BM11
BL STA 258+07
207' RT
ELEV=54.61'
2SFD
PUE
PDE
15" RCP
24" CMP
12" STEEL
WATERMAIN
INV=56.59
INV=50.65'
INV=55.27
INV=54.45
N 4° 45' 05.7" W
S 12°07'40" E 628.62'

| -L- | |
|---|---|
| PI Sta 266+70.02 | PIs Sta 275+93.12 |
| Δ = 20° 27' 33.2" (LT) | Θs = 0° 41' 15.2" |
| D = 1° 08' 45.3" | Ls = 120.00' |
| L = 1,785.41' | LT = 80.00' |
| T = 902.31' | ST = 40.00' |
| R = 5,000.00' | |
| Se = 0.03 | |

FOR –L– PROFILE SEE SHTS. 57–58

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.

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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 26 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83/2011

MATCHLINE –L– STA. 288+00 SEE SHEET 25

MATCHLINE –L– STA. 301+00 SEE SHEET 27

103
JOHN DAVID HODGES, JR.
DB G-4 PG 244

104
CAROLYN H. JOHNSON, et vir
DB A-20 PG 612

103
JOHN DAVID HODGES, JR.
DB G-4 PG 244

–L– TS Sta. 293+29.11

–L– SC Sta. 294+29.11

60' ACCESS BREAK

END FENCE +80

BEGIN FENCE

END FENCE +95

CHORD

PROP. 47' WW FENCE

EXISTING R/W

290+00

295+00

300+00

N 4° 45' 05.7" W

–L–

6" WATERMAIN

15" RCP

18" RCP

12" STEEL

40' TYP.

25FD

WD

EIP

PDE

PUE

PDE

S 80°36'40" W 93.80'

S 12°02'11" E 278.92'

S 85°24'58" W 298.00'

| –L– | |
|---|---|
| PIs Sta 293+95.78 | PI Sta 300+38.61 |
| Θs = 0° 24' 33.3" | Δ = 9° 57' 09.2" (LT) |
| Ls = 100.00' | D = 0° 49' 06.6" |
| LT = 66.67' | L = 1,215.94' |
| ST = 33.33' | T = 609.50' |
| | R = 7,000.00' |
| | Se = 0.025 |

FOR –L– PROFILE SEE SHT. 58

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.

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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 27 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
DO NOT USE FOR R/W ACQUISITION

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

NAD 83/2011

105
BENJAMIN L. WARD, et ux et al
DB D-24 PG 690

109
LINDA W. HARRISON, et vir
PC "C" SLIDE 141-C
DB B-24 PG 815

MATCHLINE -L- STA. 301+00 SEE SHEET 26

MATCHLINE -L- STA. 314+00 SEE SHEET 28

-L- ST Sta. 307+45.05

-L- CS Sta. 306+45.05

PUE PDE PROP. 47" WW FENCE EXISTING R/W

END FENCE #10 60' ACCESS BREAK BEGIN FENCE

CHORD

305+00 310+00

12" STEEL 18" HDPE 24" HDPE 6" WATERMAIN

2SFD. EIP CMP CONC

CEMETERY 2 MARKED GRAVES 36" BLK MALL

END FENCE #25 60' ACCESS BREAK BEGIN FENCE

50' ACCESS EASEMENT

107
JAMES D. WARD, et ux
DB 0-23 PG 665
TRACT I

106
JAMES D. WARD, et ux
DB D-24 PG 692

108
BENJAMIN L. WARD
DB 0-17 PG 623

BM12
BL STA 291+60
296' RT
ELEV=53.30'

109
LINDA W. HARRISON, et vir
DB B-24 PG 815
PC "C" SLIDE 141-C

| -L- | |
|---|---|
| PI Sta 300+38.61 | PIs Sta 306+78.38 |
| Δ = 9° 57' 09.2" (LT) | Θs = 0° 24' 33.3" |
| D = 0° 49' 06.6" | Ls = 100.00' |
| L = 1,215.94' | LT = 66.67' |
| T = 609.50' | ST = 33.33' |
| R = 7,000.00' | |
| Se = 0.025 | |

FOR -L- PROFILE SEE SHT. 58

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.

*PLANS PREPARED BY :*

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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 28 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
DO NOT USE FOR R/W ACQUISITION

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

NAD 83/2011

MATCHLINE -L- STA. 314+00 SEE SHEET 27

MATCHLINE -L- STA. 327+00 SEE SHEET 29

-L- TS Sta. 314+77.49

-L- SC Sta. 315+97.49

-L- CS Sta. 322+17.86

-L- ST Sta. 323+37.86

109 LINDA W. HARRISON, et vir
PC "C" SLIDE 141-C
DB B-24 PG 815

JOSEPH S. GRIFFIN
DB 0-13 PG 280
PC "B" SLIDE 359-A

JOSEPH S. GRIFFIN
DB 0-13 PG 282
PC "B" SLIDE 359-A

J.COMER GRIFFIN OR ANNIE M. GRIFFIN TRUSTEES /GRIFFIN REVOCABLE LIVING TRUST
DB 0-24 PG 138
PC "B" SLIDE 359-A

111 JOSEPH S. GRIFFIN, JR
DB 0-13 PG 574
PC "B" SLIDE 359-G

JOSEPH S. GRIFFIN
DB M-10 PG 178

112 JOSEPH S. GRIFFIN
DB 0-13 PG 280
PC "B" SLIDE 359-A

113 RONNIE L. WINDLEY, et ux
DB N-24 PG 103
PC "C" SLIDE 81-F

110 JAMES D. WARD
DB Q-17 PG 665

END FENCE +10.00

BEGIN FENCE +49.94

END FENCE +00

60' ACCESS BREAK

PROP. 47" WW FENCE

EXISTING R/W MONUMENT

PROPOSED FUTURE LOCATION OF DMS SIGN

-L-

| | | |
|---|---|---|
| PIs Sta 315+57.49 | PI Sta 319+08.08 | PIs Sta 322+57.86 |
| Θs = 0° 41' 15.2" | Δ = 7° 06' 32.2" (LT) | Θs = 0° 41' 15.2" |
| Ls = 120.00' | D = 1° 08' 45.3" | Ls = 120.00' |
| LT = 80.00' | L = 620.37' | LT = 80.00' |
| ST = 40.00' | T = 310.59' | ST = 40.00' |
| | R = 5,000.00' | |
| | Se = 0.03 | |

FOR -L- PROFILE SEE SHTS. 58-59

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.

PLANS PREPARED BY :

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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 29 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
DO NOT USE FOR R/W ACQUISITION

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

NAD 83/2011

MATCHLINE -L- STA. 327+00 SEE SHEET 28

MATCHLINE -L- STA. 340+00 SEE SHEET 30

JOSEPH S. GRIFFIN
DB M-10 PG 178

RONNIE L. WINDLEY, et ux
DB N-24 PG 703
PC G-SLIDE 81-E

CARLA H. PEELE
DB V-22 PG 888

117
JOSEPH S. GRIFFIN, et ux
DB M-10 PG 178

121
CARL L. BEACHAM, JR., et al
DB f-7 PG 354

-L- CS Sta. 335+20.95

-L- TS Sta. 329+37.56

-L- SC Sta. 331+37.56

-L- ST Sta. 337+20.95

BMI3
BL STA 311+24
48' LT
ELEV=53.04'

PROP. 42" WW FENCE CHORD

EXISTING R/W MONUMENT

PROP. 42" WW FENCE

60' ACCESS BREAK

BEGIN FENCE

END FENCE

MALALAGE T. PEIRIS
DB M-23 PG 139

KATHRYN G. OGBLEY
DB K-24 PG 748
DB C-15 PG 758 (MAP)

JAMES AMBROSE
UNKNOWN ESTATE FILE

JAMES C. AMBROSE, JR.
DB H-17 PG 181
DB 0-9 PG 652 (MAP)

LINDA E. KEECH
DB S-22 PG 675
MB 4 PG 106

JAMES D. WARD
DB 0-17 PG 665

CARL L. BEACHAM, JR., et al
DB X-19 PG 784
MB 4 PG 106
TRACT 3

HWY 17 25' BST

6" WATERMAIN

15" RCP

15" HDPE

12" STEEL 15" RCP

HTR ABAND

| -L- | | |
|---|---|---|
| PIs Sta 330+70.91 | PI Sta 333+29.66 | PIs Sta 335+87.62 |
| Θs = 2° 23' 14.4" | △ = 9° 09' 09.2" (RT) | Θs = 2° 23' 14.4" |
| Ls = 200.00' | D = 2° 23' 14.4" | Ls = 200.00' |
| LT = 133.35' | L = 383.38' | LT = 133.35' |
| ST = 66.68' | T = 192.10' | ST = 66.68' |
| | R = 2,400.00' | |
| | Se = 0.05 | |

FOR -L- PROFILE SEE SHT. 59

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.

*PLANS PREPARED BY :*

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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 30 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
DO NOT USE FOR R/W ACQUISITION

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

NAD 83/2011

MATCHLINE -L- STA. 340+00 SEE SHEET 29

MATCHLINE -L- STA. 353+00 SEE SHEET 31

121
CARL L. BEACHAM, JR., et al
DB f-7 PG 354

PC "C" SLIDE 137-B

S 14°11'51" W
771.14'

Approx. Boundary of Alluvial Soils

JEFFREY W. HARRISON, et ux
DB Y-23 PG 652

123

PROP. 47" WW FENCE

CHORD

N 10° 04' 46.3" W

-L- TS Sta. 342+97.01

-L- SC Sta. 344+97.01

-L- STA. 345+00

-L- STA. 350+00

NCGS ROSS

15" RCP

6" WATERMAIN

25 PAIR COPPER

12" STEEL

GREU. TL-3

TL-3

EXISTING R/W

PROP. 47" WW FENCE

END WW FENCE
+60.00
EXIST. R/W

BEG. WW FENCE
+20.00
EXIST. R/W

ACCESS BREAK

+05.00
EXIST. R/W

+35.00
185'

+75.00
EXIST. R/W
180'

124
STANLEY-WARD FAMILY TRUST
UNKNOWN DEED BOOK

125 GUY W. LIVESAY, et ux
DB Y-12 PG 945

S 21°26'41" W
176.77'

S 17°24'08" W
400.75'

122
CARL L. BEACHAM, JR., et al
DB X-19 PG 784
MB 4 PG 106
TRACT 3

S 87°18'40" E
53.39'

S 51°03'40" E
134.00'

S 86°23'40" E
82.00'

N 29°46'20" E
52.00'

S 10°48'40" E
75.50'

N 42°41'20" E
106.00'

| -L- | |
|---|---|
| PIs Sta 344+30.35 | PI Sta 350+32.28 |
| Θs = 2° 23' 14.4" | Δ = 25° 08' 45.5" (RT) |
| Ls = 200.00' | D = 2° 23' 14.4" |
| LT = 133.35' | L = 1,053.31' |
| ST = 66.68' | T = 535.28' |
| | R = 2,400.00' |
| | Se = 0.05 |

FOR -L- PROFILE SEE SHTS. 59-60

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.

PLANS PREPARED BY :

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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 31 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
**DO NOT USE FOR R/W ACQUISITION**

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

NAD 83/2011

MATCHLINE -L- STA. 353+00 SEE SHEET 30

MATCHLINE -L- STA. 366+00 SEE SHEET 32

Approx. Boundary of Alluvial Soils

-L- SC Sta. 359+50.32

-L- CS Sta. 355+50.32

-L- SRS Sta. 357+50.32

PC "C" SLIDE 137-B

S 05°33'05" W 210.31'

S 01°39'34" W 255.36'

S 03°41'13" E 288.64'

S 04°58'51" E 160.04'

S 81°33'58" E 118.20'

N 8°52'53" E 15.50'

N 13°56'35" E 81.30'

N 35°49'01" E 84.90'

N 57°36'02" E 137.07'

S 81°33'58" E 428.05'

S 17°52'07" E 665.70'

S 17°24'08" W 400.75'

S 30°14'08" W 925.50'

S 22°14'08" W 3.50'

N 24°02'47" E 89.95'

S 80°55'52" E 233.55'

126
BERTRAM R. EVANS
DB P-12 PG 675

127
ROBERT T. TAYLOR
DB K-11PG 150
PC "C" PG 16-C

129
LARRY D. WATSON, et ux
DB X-16 PG 301
PC "C" SLIDE 16-C (LOT 7)

125
GUY W. LIVESAY, et ux
DB Y-12 PG 945

124
STANLEY-WARD FAMILY TRUST
UNKNOWN DEED BOOK

128
JOHNNIE S. PRICE
DB B-12 PG 34
DRAWN BY TAX MAPPING

BMI4
BL STA 344+98
133' RT
ELEV=42.80'

CULVERT #4
6'X8' TWO BARRELS

| | NORTH | EAST |
|---|---|---|
| CUL1 | 727670.28 | 2571177. |
| CUL2 | 727677.00 | 2571177. |
| CUL3 | 727678.26 | 2571177. |
| CUL4 | 727685.95 | 2571177. |
| CE1 | 727673.84 | 2571178. |
| HW1 | 727678.06 | 2571230. |
| CUL5 | 727668.97 | 2571230. |
| CUL6 | 727676.21 | 2571230. |
| CUL7 | 727677.66 | 2571230. |
| CUL8 | | |
| CE2 | | |
| HW2 | | |

-L-

| | | | |
|---|---|---|---|
| PI Sta 350+32.28 | PIs Sta 356+17.00 | PIs Sta 358+83.66 | PI Sta 365+13.28 |
| △ = 25° 08' 45.5" (RT) | Θs = 2° 23' 14.4" | Θs = 2° 23' 14.4" | △ = 26° 24' 07.2" (LT) |
| D = 2° 23' 14.4" | Ls = 200.00' | Ls = 200.00' | D = 2° 23' 14.4" |
| L = 1,053.31' | LT = 133.35' | LT = 133.35' | L = 1,105.92' |
| T = 535.28' | ST = 66.68' | ST = 66.68' | T = 562.96' |
| R = 2,400.00' | | | R = 2,400.00' |
| Se = 0.05 | | | Se = 0.05 |

FOR -L- PROFILE SEE SHT. 60

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.


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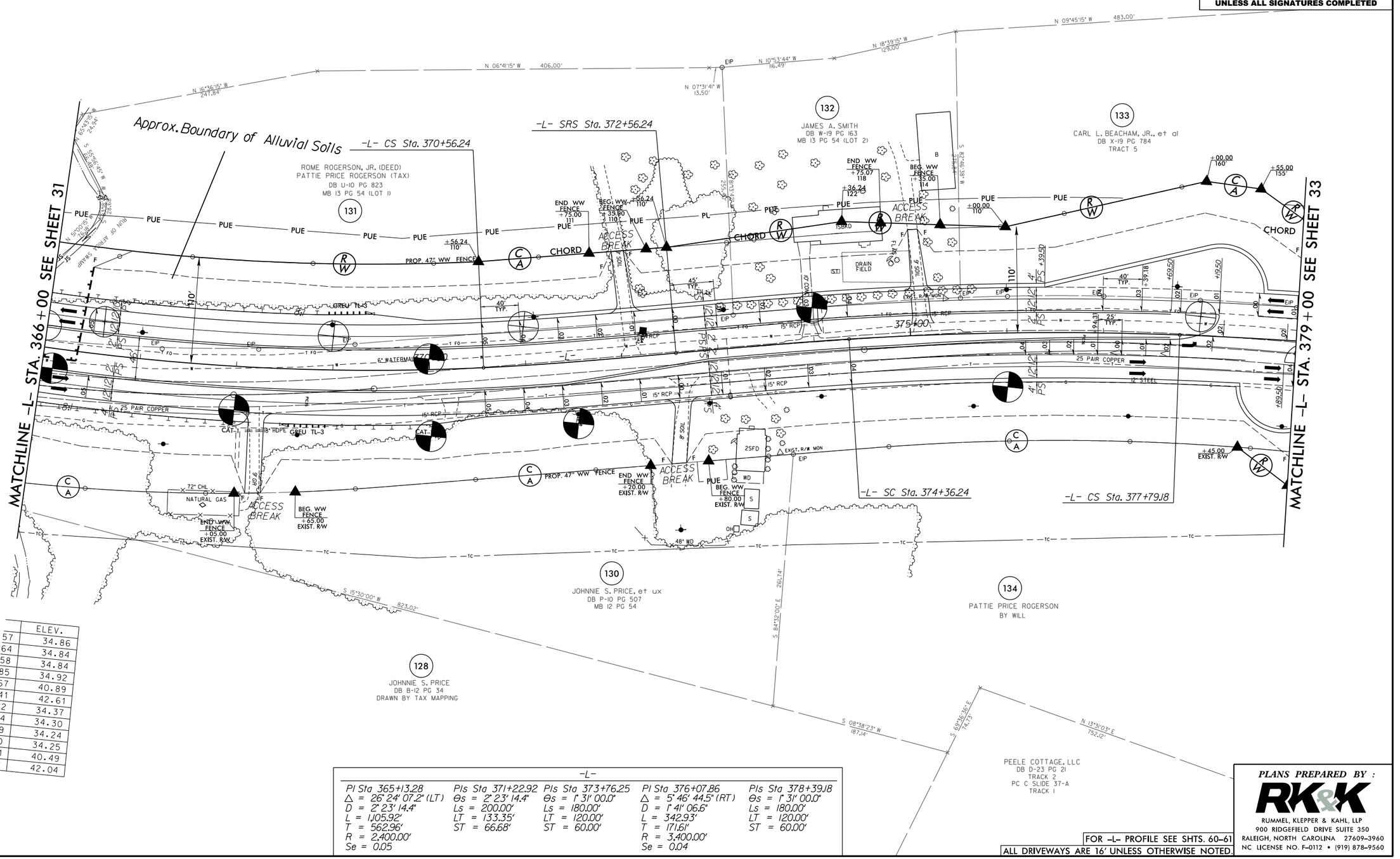
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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 32 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
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| | ELEV. |
|---|---|
| 57 | 34.86 |
| 64 | 34.84 |
| 58 | 34.84 |
| 85 | 34.92 |
| 67 | 40.89 |
| .41 | 42.61 |
| 22 | 34.37 |
| 44 | 34.30 |
| .49 | 34.24 |
| .50 | 34.25 |
| .31 | 40.49 |
| .62 | 42.04 |

-L-

| PI Sta 365+13.28 | PIs Sta 371+22.92 | PIs Sta 373+76.25 | PI Sta 376+07.86 | PIs Sta 378+39.18 |
|---|---|---|---|---|
| Δ = 26° 24' 07.2" (LT) | Θs = 2° 23' 14.4" | Θs = 1° 31' 00.0" | Δ = 5° 46' 44.5" (RT) | Θs = 1° 31' 00.0" |
| D = 2° 23' 14.4" | Ls = 200.00' | Ls = 180.00' | D = 1° 41' 06.6" | Ls = 180.00' |
| L = 1,105.92' | LT = 133.35' | LT = 120.00' | L = 342.93' | LT = 120.00' |
| T = 562.96' | ST = 66.68' | ST = 60.00' | T = 171.61' | ST = 60.00' |
| R = 2,400.00' | | | R = 3,400.00' | |
| Se = 0.05 | | | Se = 0.04 | |

FOR -L- PROFILE SEE SHTS. 60-61

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.

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mbozeman

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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 33 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
DO NOT USE FOR R/W ACQUISITION

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

NAD 83/2011

| 2020 ADT / 2040 ADT | | |
|---|---|---|
| | -Y6- JOE MOBLEY RD. 700 / 1,100 | |
| -L- US 17 | 140 / 220 — 5,400 / 10,700 | 280 / 440 — 5,600 / 11,100 — -L- US 17 |
| | ≤ 50 / ≤ 50 | 140 / 220 |
| | 420 / 660 -Y6- SMITHWICK CREEK CHURCH RD. | |

MATCHLINE -L- STA. 379+00 SEE SHEET 32

MATCHLINE -L- STA. 392+50 SEE SHEET 34

133 CARL L. BEACHAM, JR., et al, DB X-19 PG 784, TRACT 5

135 CARL L. BEACHAM, JR., et al, DB X-19 PG 784, TRACT 4

CARL L. BEACHAM, JR., et al, DB X-19 PG 784, MB 4 PG 106, TRACT 2

136 SOPHIA B. CARTER, et vir, DB G-10 PG 527

137 PEELE COTTAGE, LLC, DB D-23 PG 21, TRACK 2, PC C SLIDE 37-A, TRACK 1

134 PATTIE PRICE ROGERSON, BY WILL

138 BUCK MANNING, et al, DB V-23 PG 878, PC C SLIDE 116-B

LAVONE R. DONALDSON, et vir, DB O-9 PG 551, TRACT 1

LAVONE R. DONALDSON, et vir, DB O-9 PG 551, TRACT 2

PEELE COTTAGE, LLC, DB D-23 PG 21, TRACK 2, PC C SLIDE 37-A, TRACK 1

-Y6- PC Sta. 16+00.98

BEGIN CONSTRUCTION -Y6- Sta. 17+25.00

-Y6- PT Sta. 18+01.16

-Y6- POT Sta. 20+90.73= -L- POT Sta. 389+69.03

-L- ST Sta. 379+59.18

-Y6- PC Sta. 25+72.50

END CONSTRUCTION -Y6- Sta. 23+95.00

BMI5 BL STA 364+30 138' LT ELEV=55.03'

| -L- | -Y6- | |
|---|---|---|
| PIs Sta 378+39.18 | PI Sta 17+02.09 | PI Sta 27+34.94 |
| Es = 1° 31' 00.0" | Δ = 19° 56' 49.0" (LT) | Δ = 10° 03' 46.2" (RT) |
| Ls = 180.00' | D = 9° 57' 52.1" | D = 3° 06' 19.7" |
| LT = 120.00' | L = 200.18' | L = 324.04' |
| ST = 60.00' | T = 101.11' | T = 162.44' |
| | R = 575.00' | R = 1,845.00' |
| | Se = 0.04 | Se = 0.04 |

FOR -L- PROFILE SEE SHT. 61
FOR -Y6- PROFILE SEE SHT. 70
ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.

*PLANS PREPARED BY :*

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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 34 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
**DO NOT USE FOR R/W ACQUISITION**

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

NAD 83/2011

MATCHLINE –L– STA. 392+50 SEE SHEET 33

MATCHLINE –L– STA. 406+50 SEE SHEET 35

137
PEELE COTTAGE, LLC
DB D-23 PG 21
TRACK 2
PC C SLIDE 37-A
TRACK 1

141
JOSEPH E. REVELS, et ux (DEED OF TRUST)
JACKIE M. REVELS (MAP)
DB B-24 PG 228 (DEED OF TRUST)
PC C SLIDE 140-D

138
BUCK MANNING, et al
DB V-23 PG 878
PC C SLIDE 116-B

139
W.O. PEELE, III, et ux
DB K-12 PG 34

140
W.O. PEELE, III
DB R-20 PG 800

140A
JASPER D. WOOLARD, JR.
DB T-16 PG 727

PEELE COTTAGE, LLC
DB D-23 PG 21
TRACK 2
PC C SLIDE 37-A
TRACK 1

300' TAPER

60' ACCESS BREAK

END FENCE +45

BEGIN FENCE +00.00

END FENCE +95

PROP. 47" WW FENCE

EXISTING R/W

EXIST R/W MON

ISFD

2SFD

INSTL BUS

BMI
BL STA 382+97
165' RT
ELEV=61.06'

N 02°28'45" W
225.45'

S 02°28'45" E
174.98'

N 02°24'22" W
204.97'

N 02°24'22" W
198.26'

S 02°32'39" E
163.97'

S 02°31'50" E
497.65'

30' MAINTANCE EASEMENT 15' EACH SIDE OF PL

FOR –L– PROFILE SEE SHTS. 61–62

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.

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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 35 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

NAD 83/2011

**INCOMPLETE PLANS**
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142
JOSEPH W. HARRISON
ESTATE FILE 80-E PG 69




| | |
|---|---|
| CUL 1 | |
| CUL 2 | |
| CE 1 | |
| HW1 | |
| CUL 3 | |
| CUL 4 | |
| CE 2 | |
| HW2 | |

142
JOSEPH W. HARRISON
ESTATE FILE 80-E PG 69

| -L- | | |
|---|---|---|
| PIs Sta 408+78.35 | PI Sta 412+41.96 | PIs Sta 416+05.23 |
| Θs = 0° 20' 13.3" | Δ = 4° 27' 00.9" (RT) | Θs = 0° 20' 13.3" |
| Ls = 100.00' | D = 0° 40' 26.6" | Ls = 100.00' |
| LT = 66.67' | L = 660.21' | LT = 66.67' |
| ST = 33.33' | T = 330.27' | ST = 33.33' |
| | R = 8,500.00' | |
| | Se = 0.025 | |

FOR -L- PROFILE SEE SHT. 62

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.


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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 36 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
DO NOT USE FOR R/W ACQUISITION

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NAD 83/2011

BL STA. 401+62
50' LT
ELEV. 665.45'

N 85°30'37" E 679.85'

142
JOSEPH W. HARRISON
ESTATE FILE 80-E PG 69

END FENCE
+50.00

MACEDONIA CHRISTIAN CHURCH

143
MACEDONIA CHRISTIAN CHURCH
DRAWN BY TAX MAPPING

ISBKD BUS

48" CONC

60' ACCESS BREAK

60' ACCESS BREAK

BEGIN FENCE
+00.00

145
DOLAN L. BAKER, et ux
DB F-13 PG 117

N 06°29'25" E
120.44'

ISFD

CONC

N 84°02'08" W
363.02'

S 84°04'48" E
362.17'

END FENCE
+22

60' ACCESS BREAK

BEGIN FENCE

144
MARY PEELE LILLEY
DB T-23 PG 890
PC C SLIDE 37-B

PROP. 42" WW FENCE

EXIST. R/W MON

PROP. 47" WW FENCE

6" WATERMAIN

15" RCP

50 P4IR COPPER

INV=62.43'

EXISTING R/W

MATCHLINE –L– STA. 419+00 SEE SHEET 35

MATCHLINE –L– STA. 432+00 SEE SHEET 37

420+00

425+00

430+00

N 2° 36' 04.0" E

+05.00
110'

+00.00
125'

+85.00
110'

+78.73
110'

PDE

EIP

S 88°55'06" E
576.7'

144
MARY PEELE LILLEY
DB T-23 PG 890
PC C SLIDE 37-B

142
JOSEPH W. HARRISON
ESTATE FILE 80-E PG 69

FOR –L– PROFILE SEE SHTS. 62–63

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.

*PLANS PREPARED BY :*

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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 37 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
**DO NOT USE FOR R/W ACQUISITION**

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NAD 83/2011

144
MARY PEELE LILLEY
DB T-23 PG 890
PC C SLIDE 37-B

149
EDNA H. KEEL
DB F-10 PG 112
MB 6 PG 185

147
JOHN D. MOBLEY, ET UX
DB V-8 PG 905

MATCHLINE -L- STA. 432+00 SEE SHEET 36

MATCHLINE -L- STA. 445+00 SEE SHEET 38

PUE PUE PUE PUE PUE PUE PUE PUE PUE PUE PUE PUE PUE PUE PUE PUE PUE PUE PUE PUE PUE PUE

PROP. 47" WW FENCE

EXISTING R/W

ISBKD

DRAIN FIELD

36" CONC

435+00

N 2° 36' 04.0" E

110'

15" RCP

25' TYP.

440+00

6" WATERMAIN

INV: 64.70

INV: 63.82

INV: 63.48

50 PAIR COPPER

12" STEEL

INV: 65.52'

END FENCE
+35.00

+45
60' ACCESS BREAK

2SFD

18" CONC

+40
60' ACCESS BREAK

BEGIN FENCE

+10
END FENCE

+45
60' ACCESS BREAK

BEGIN FENCE

+00.00 110'

±50.00 130'

±00.00 110'

±50.00 145'

±05.00 145'

±50.00 110'

+00.00 EXIST. R/W

±50.00 165'

±65.00 110'

+03.50

+33.50

+53.50

+83.50

BMI8
BL STA 423+16
101' RT
ELEV=68.72'

S 89°59'37" W 451.26'

S 89°20'25" W 253.45'

N 88°59'30" E 250.17'

N 89°23'28" E 250.29'

N 88°35'42" E

146
CITIMORTGAGE, INC.
DB Z-24 PG 295
DB B-12 PG 244

S 00°36'35" W
253.28'

EIP

148
EDNA H. KEEL
DB F-10 PG 112
MB 6 PG 184

144
MARY PEELE LILLEY
DB T-23 PG 890
PC C SLIDE 37-B

FOR -L- PROFILE SEE SHT. 63

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.

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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 38 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
DO NOT USE FOR R/W ACQUISITION

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

NAD 83/2011

149
EDNA H. KEEL
DB F-10 PG 112
MB 6 PG 185

151
EDNA H. EVANS
DB R-9 PG 39

152
STEVEN R. EVANS
DB A-20 PG 609

153
SUZANNE G. CLARK, HEIRS
REBECCA L. POWELL, et al
DB L-21 PG 243
DB Z-8 PG 733
TRACT 2

150
JERRY O'NEAL EVANS, et ux
DB U-18 PG 92

148
EDNA H. KEEL
DB F-10 PG 112
MB 6 PG 184

154
SUZANNE G. CLARK, HEIRS
REBECCA L. POWELL, et al
DB L-21 PG 243
DB Z-8 PG 733
TRACT 3

CULVERT #6
3'X4' ONE BARREL

| | NORTH | EAST | ELEV. |
|---|---|---|---|
| CUL1 | 736308.03 | 2570984.62 | 60.82 |
| CUL2 | 736311.48 | 2570984.83 | 60.75 |
| CE1 | 736309.65 | 2570985.00 | 63.80 |
| HW1 | 736309.62 | 2570969.26 | 65.39 |
| CUL3 | 736304.29 | 2571040.30 | 60.19 |
| CUL4 | 736308.46 | 2571040.56 | 60.11 |
| CE2 | 736306.32 | 2571040.56 | 63.16 |
| HW2 | 736306.34 | 2571039.43 | 64.83 |

MATCHLINE -L- STA. 445+00 SEE SHEET 37

MATCHLINE -L- STA. 458+00 SEE SHEET 39

-L- TS Sta. 449+45.48

-L- SC Sta. 450+45.48

-L- CS Sta. 454+04.01

-L- ST Sta. 455+04.01

RELOCATE CEMETERY

CEMETERY MARKED GRAVES

CEMETERY 6 MARKED GRAVES

BEGIN FENCE +59.12

END FENCE +10

60' ACCESS BREAK

2SFD ABAND

ISBKD

PROP. 47" WW FENCE

EXISTING R/W

6" WATERMAIN

12" STEEL

50 PAIR COPPER

15" RCP

15" HDPE

24" RCP

| -L- | | |
|---|---|---|
| PIs Sta 450+12.15 | PI Sta 452+24.77 | PIs Sta 454+37.35 |
| Θs = 0°17'11.3" | Δ = 2°03'15.2" (RT) | Θs = 0°17'11.3" |
| Ls = 100.00' | D = 0°34'22.6" | Ls = 100.00' |
| LT = 66.67' | L = 358.53' | LT = 66.67' |
| ST = 33.33' | T = 179.28' | ST = 33.33' |
| | R = 10,000.00' | |
| | Se = 0.025 | |

FOR -L- PROFILE SEE SHTS. 63-64

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.


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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 39 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
DO NOT USE FOR R/W ACQUISITION

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NAD 83/2011

153
SUZANNE G. CLARK, HEIRS
REBECCA L. POWELL, et al
DB L-21PG 243
DB Z-8 PG 733
TRACT 2

155
SUZANNE G. CLARK, HEIRS
REBECCA L. POWELL, et al
DB L-21PG 243
TRACT 1

156
OSWALD B. SMITHWICK, et ux
DB J-21PG 911
SMITHWICK-GREEN-CLARK
HISTORICAL HOUSE AND OUTBUILDINGS

157
LINDA CLARK LIFE ESTATE
DB L-21PG 243

MATCHLINE -L- STA. 458+00 SEE SHEET 38

MATCHLINE -L- STA. 471+00 SEE SHEET 40

-L- TS Sta. 469+20.02

-L- N 5°13'41.8" E

460+00 465+00 470+00

END FENCE +79.09

END FENCE +45

BEGIN FENCE

60' ACCESS BREAK

CHORD

PROP. 47" WW FENCE

2SFD ABAND

HTR

SILO

24" RCP

15" RCP

6" WATERMAIN

50 PAIR COPPER

154
SUZANNE G. CLARK, HEIRS
REBECCA L. POWELL, et al
DB L-21PG 243
DB Z-8 PG 733
TRACT 3

158
BARBARA W. PERRY
DB T-6 PG 313
LOT 3

159
ROBERT L. PERRY, et ux
DB L-15 PG 38

-L-
PIs Sta 470+53.36
Θs = 2°23'14.4"
Ls = 200.00'
LT = 133.35'
ST = 66.68'

FOR -L- PROFILE SEE SHT. 64

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.


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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 40 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
DO NOT USE FOR R/W ACQUISITION

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

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8/17/99

161
DORIS HARDISON COLTRAIN ESTATE
DB F-3 PG 163

155
SUZANNE G. CLARK, HEIRS
REBECCA L. POWELL, et al
DB L-21 PG 243
TRACT 1

163
BARBRA W. PERRY
DB Z-11 PG 937
DB T-6 PG 313
LOT 4

N 85°34'55" E
200.61'

S 68°28'35" E
1226.98'

MATCHLINE -L- STA. 471+00 SEE SHEET 39

MATCHLINE -L- STA. 484+00 SEE SHEET 41

BEGIN FENCE

END FENCE

60' ACCESS BREAK

PUE

PROP. 47" WW FENCE

CHORD

+20.02 110' HTR

+06.62 120'

+08.94 110'

+55.40 110'

+82.70 110'

+93.00 110'

+95.00 EXIST. R/W

+00.00 130'

475+00

480+00

15" RCP

50 PAIR COPPER

12" STEEL

6" WATERMAIN

15" HDPE

PDE

BMI9
BL STA 455+25
54' RT
ELEV=70.23'

BEGIN FENCE +10.00

N 29° 56' 46.6" E
220'

-L- CS Sta. 479+55.40

-L- ST Sta. 481+55.40

-L- SC Sta. 471+20.02

160
ROBERT L. PERRY, et ux
DB V-8 PG 214

162
BARBARA W. PERRY
DB T-6 PG 313
LOT 3

164
BARBRA W. PERRY
DB B-21 PG 452
DB T-6 PG 313
LOT 2

158
BARBARA W. PERRY
DB T-6 PG 313
LOT 3

N 80°37'36" W
333.35'

S 71°37'36" E
640.78'

S 71°22'24" W
525.00'

N 69°44'
W. 595.

-L-

| | | |
|---|---|---|
| PIs Sta 470+53.36 | PI Sta 475+41.98 | PIs Sta 480+22.08 |
| θs = 2° 23' 14.4" | △ = 19° 56' 36.0" (RT) | θs = 2° 23' 14.4" |
| Ls = 200.00' | D = 2° 23' 14.4" | Ls = 200.00' |
| LT = 133.35' | L = 835.38' | LT = 133.35' |
| ST = 66.68' | T = 421.96' | ST = 66.68' |
| | R = 2,400.00' | |
| | Se = 0.05' | |

FOR -L- PROFILE SEE SHTS. 64-65

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.

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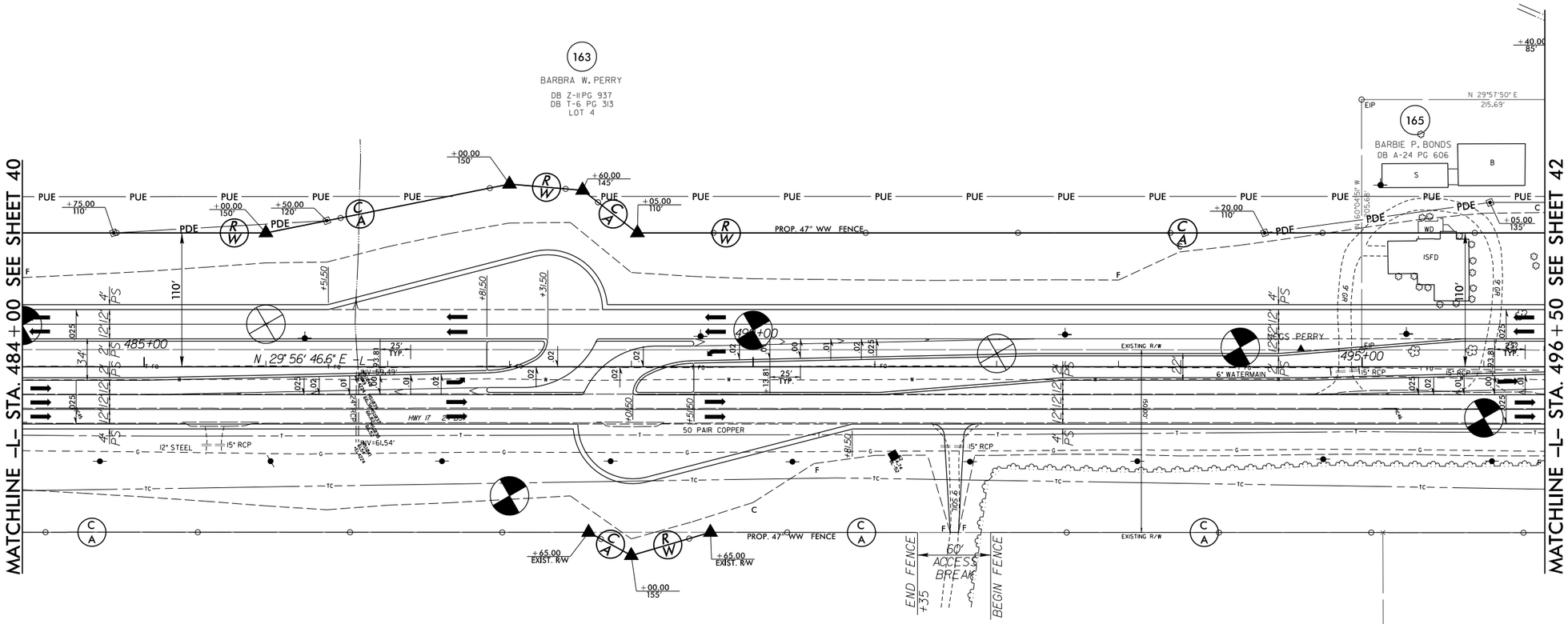
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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 41 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
**DO NOT USE FOR R/W ACQUISITION**

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FOR –L– PROFILE SEE SHT. 65

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.

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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 42 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
**DO NOT USE FOR R/W ACQUISITION**

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

NAD 83/2011

MATCHLINE –L– STA. 496+50 SEE SHEET 41

MATCHLINE –L– STA. 509+00 SEE SHEET 43

BEGIN CONSTRUCTION
–Y7– Sta.17+50.00

–Y7– PC Sta. 17+83.43

N 80°47'06.4" E

150' TAPER

BEGIN FENCE +85.00

END FENCE +85.00

163 BARBRA W. PERRY
DB Z-11PG 937
DB T-6I PG 313
LOT 4

165 BARBIE P. BONDS
DB A-24 PG 606

N 29°57'50" E
215.69'

BM20
STA 479+59
319' LT
ELEV=64.49'

167 JASPER C. GRIFFIN, JR.
DB N-11 PG 299
PC B SLIDE 306-B
LOT 10

168 MINNIE ANGE HARRISON
DB 09-E PG 16

–Y8– POT Sta. 10+00.00=
–L– POT Sta.500+71.31

–Y7– PT Sta. 19+78.01

N 32°38'06" E
506.00'

N 32°36'29" E
369.16'

N 56°20'24" W
271.76'

169 RANDY BRIGHT
DB Y-22 PG 815
PC C SLIDE 100-B

171 DONALD W. LOCKHART, et ux
DB L-16 PG 748
PC C SLIDE 11-A

JASPER C. GRIFFIN
DB N-11 PG 126
PC B SLIDE 306-B
LOT 2

N 44°10'51" E
113.52'

N 24°58'44" E
270.97'

S 29°05'54" W
617.79'

60' ACCESS BREAK

END FENCE +35

END FENCE +00

BEGIN FENCE +00

END FENCE +00

PROP. 47" WW FENCE

300' TAPER

500+00

505+00

–L– S 29° 56' 46.6" E

6" WATERMAIN

15" RCP

50 PAIR COPPER

100 PAIR COPPER

HWY 17 26' BST

20" STEEL CASING

12" STEEL

INV=51.96'

INV=52.26'

–Y8– PC Sta. 11+20.11

–Y8– PT Sta. 12+87.50

BEGIN FENCE +14.63

END FENCE +34.87

–Y7– POT Sta. 21+41.02=
–L– POT Sta. 498+01.31

END CONSTRUCTION
–Y8– Sta.14+50.00

S 84° 01' 15.0" E

SR 1114 THURMAN GRIFFIN ROAD

166 BARBRA W. PERRY
DB Z-11PG 937
DB T-6 PG 313
LOT 1

170

172 MINNIE A. HARRISON
DB J-21PG 30
PC B SLIDE 306-B
LOT 11

173 JAMES C. GUARD, JR., et ux
DB U-20 PG 475

N 0°56'35" W
201.01'

S 29°05'54" W
174.73'

EXISTING R/W

EXISTING R/W MON

EIP

PK

PDE

PUE

| 2020 ADT / 2040 ADT | –Y7– DAN PEEL RD. | |
|---|---|---|
| | 1120 / 1,760 | |
| 140 / 220 | | 420 / 660 |
| –L– US 17 | 7,800 / 12,200 | 8,080 / 12,640 –L– US 17 |
| 140 / 220 | | 140 / 220 |
| | 840 / 1,320 | |
| | –Y8– THURMAN GRIFFIN RD. | |

| –Y7– | –Y8– |
|---|---|
| PI Sta 18+84.28 | PI Sta 12+05.05 |
| △ = 37° 09' 40.2" (RT) | △ = 23° 58' 37.6" (LT) |
| D = 19° 05' 54.9" | D = 14° 19' 26.2" |
| L = 194.58' | L = 167.39' |
| T = 100.85' | T = 84.94' |
| R = 300.00' | R = 400.00' |
| Se = 0.04 | Se = 0.04 |

FOR –L– PROFILE SEE SHT. 65
FOR –Y7– PROFILE SEE SHT. 70
FOR –Y8– PROFILE SEE SHT. 70

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.

*PLANS PREPARED BY :*

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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 43 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
DO NOT USE FOR R/W ACQUISITION

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

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Approx. Boundary of Alluvial Soils

MATCHLINE –L– STA. 509+00 SEE SHEET 42

MATCHLINE –L– STA. 522+00 SEE SHEET 44

171 DONALD W. LOCKHART, et ux
DB L-16 PG 748
PC C SLIDE 11-A

174 JOSEPH S. GRIFFIN
DB L-16 PG 759

JASPER C. GRIFFIN
DB N-11 PG 126
PC B SLIDE 306-B
LOT 2

175 JOSEPH S. GRIFFIN
DB N-11 PG 126
PC B SLIDE 306-B
LOT 3

175 JOSEPH S. GRIFFIN, JR.
DB N-11 PG 126
PC B SLIDE 306-B
LOT 3 (OUT PARCEL)

177 JOSEPH S. GRIFFIN
DB N-11 PG 126
PC B SLIDE 306-B
LOT 1

178 HUGH B. KENNEDY, et ux
DB C-17 PG 366
MB 13 PG 14

176 JOSEPH S. GRIFFIN
DB N-11 PG 126
PC B SLIDE 306-B
LOT 10

172 MINNIE A. HARRISON
DB J-21 PG 30
PC B SLIDE 306-B
LOT 11

173

-L- CS Sta. 521+98.66

-L- SC Sta. 514+20.65

-L- TS Sta. 513+20.65

BEGIN FENCE +05.00

END FENCE +00.00

END FENCE +00

BEGIN FENCE +80

END FENCE +90

60' ACCESS BREAK

PROP. 47" WW FENCE

PROP. 47" FENCE

EXIST. R/W MON

NCGS BEECH

CHORD

100 PAIR COPPER

12" STEEL

40' TYP.

300' TAPER

| -L- | | |
|---|---|---|
| PIs Sta 513+87.31 | PI Sta 518+10.05 | PIs Sta 522+32.00 |
| Θs = 0° 24' 33.3" | △ = 6° 22' 05.4" (LT) | Θs = 0° 24' 33.3" |
| Ls = 100.00' | D = 0° 49' 06.6" | Ls = 100.00' |
| LT = 66.67' | L = 778.02' | LT = 66.67' |
| ST = 33.33' | T = 389.41' | ST = 33.33' |
| | R = 7,000.00' | |
| | Se = 0.025' | |

FOR –L– PROFILE SEE SHTS. 65–66

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.


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8/17/99

| | -L- US 17 | |
|---|---|---|
| 8,080 / 12,640 | | 8,640 / 13,520 |
| 140 / 220 | | 700 / 1,100 |
| 2020 ADT / 2040 ADT | 840 / 1,320 | |

-Y9- DAVID ROGERSON RD.

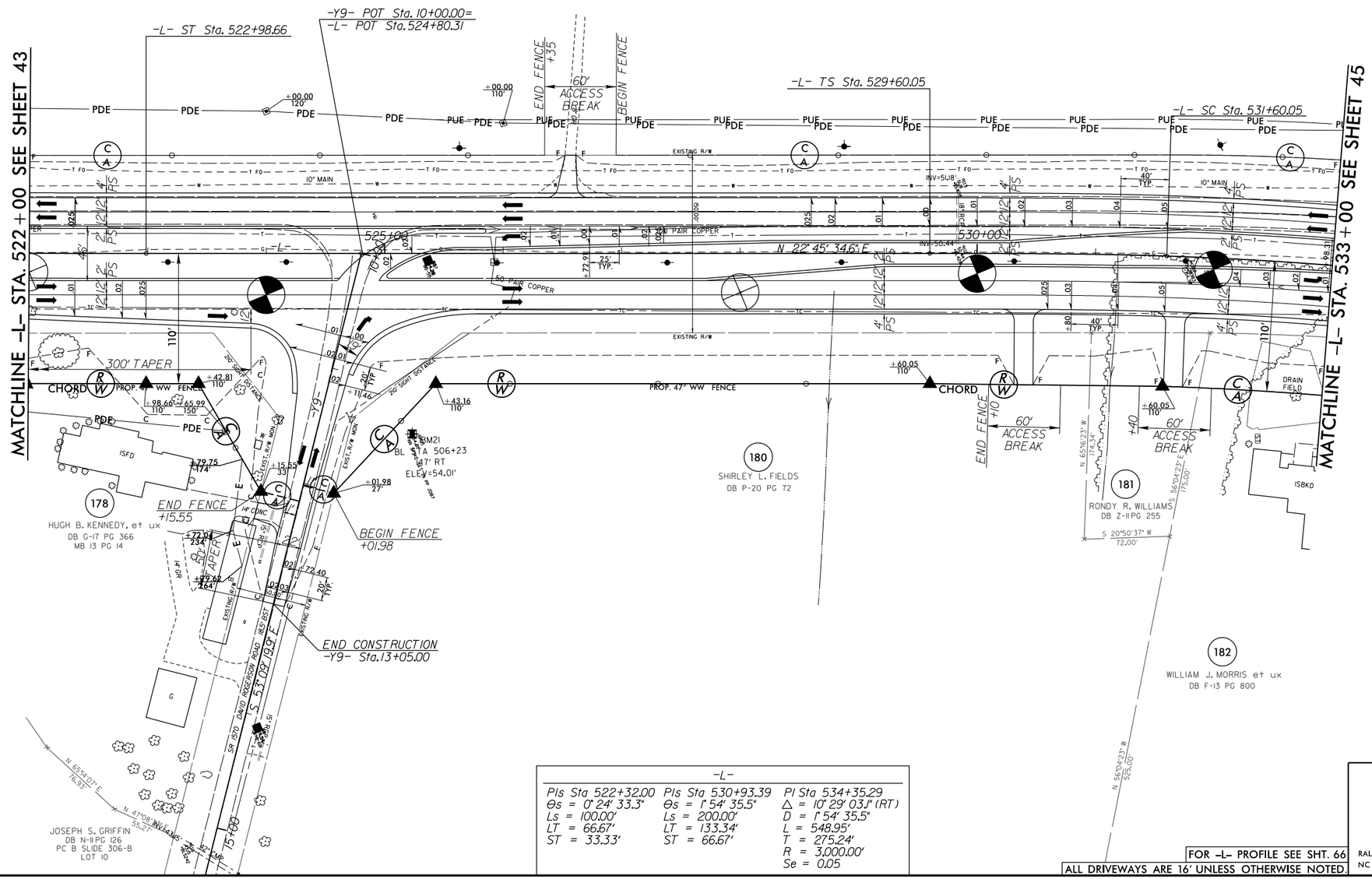
| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 44 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

NAD 83/2011

**INCOMPLETE PLANS**
DO NOT USE FOR R/W ACQUISITION

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

179
SETH & RACHEL PERRY FARMS, LLC
DB M-24 PG 284
DB T-10 PG 654
MB 13 PG 14
PARCEL 2




| -L- | | |
|---|---|---|
| PIs Sta 522+32.00 | PIs Sta 530+93.39 | PI Sta 534+35.29 |
| Θs = 0° 24' 33.3" | Θs = 1° 54' 35.5" | Δ = 10° 29' 03.1" (RT) |
| Ls = 100.00' | Ls = 200.00' | D = 1° 54' 35.5" |
| LT = 66.67' | LT = 133.34' | L = 548.95' |
| ST = 33.33' | ST = 66.67' | T = 275.24' |
| | | R = 3,000.00' |
| | | Se = 0.05 |

FOR -L- PROFILE SEE SHT. 66

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.

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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 45 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
DO NOT USE FOR R/W ACQUISITION

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

NAD 83/2011

BEGIN CONSTRUCTION
-Y10- Sta.11+62.00

MATCHLINE -L- STA. 533+00 SEE SHEET 44

MATCHLINE -L- STA. 546+00 SEE SHEET 46

183
MARTIN COUNTY SHRINE CLUB
DB B-11 PG 512

184
SETH B. PERRY et ux
DB X-21 PG 959
DB M-24 PG 284
WILL BOOK 8 PG 103

182
WILLIAM J. MORRIS et ux
DB F-13 PG 800

184
SETH B. PERRY et ux
DB X-21 PG 959
DB M-24 PG 284
WILL BOOK 8 PG 103

-Y10- POT Sta. 15+27.55=
-L- POC Sta.534+68.31

-L- CS Sta. 537+09.00

-L- ST Sta. 539+09.00

| 2020 ADT / 2040 ADT | -Y10- RODGERS SCHOOL RD. | |
|---|---|---|
| 8,540 / 13,520 | 420 / 660 | 1,120 / 1,760 |
| | 700 / 1,100 | 8,920 / 13,960 |
| | -L- US 17 | |

| -L- | |
|---|---|
| PI Sta 534+35.29 | PIs Sta 537+75.67 |
| △ = 10° 29' 03.1" (RT) | Θs = 1° 54' 35.5" |
| D = 1° 54' 35.5" | Ls = 200.00' |
| L = 548.95' | LT = 133.34' |
| T = 275.24' | ST = 66.67' |
| R = 3,000.00' | |
| Se = 0.05 | |

FOR -L- PROFILE SEE SHTS. 66-67
FOR -Y10- PROFILE SEE SHT. 71
ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.


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8/17/99

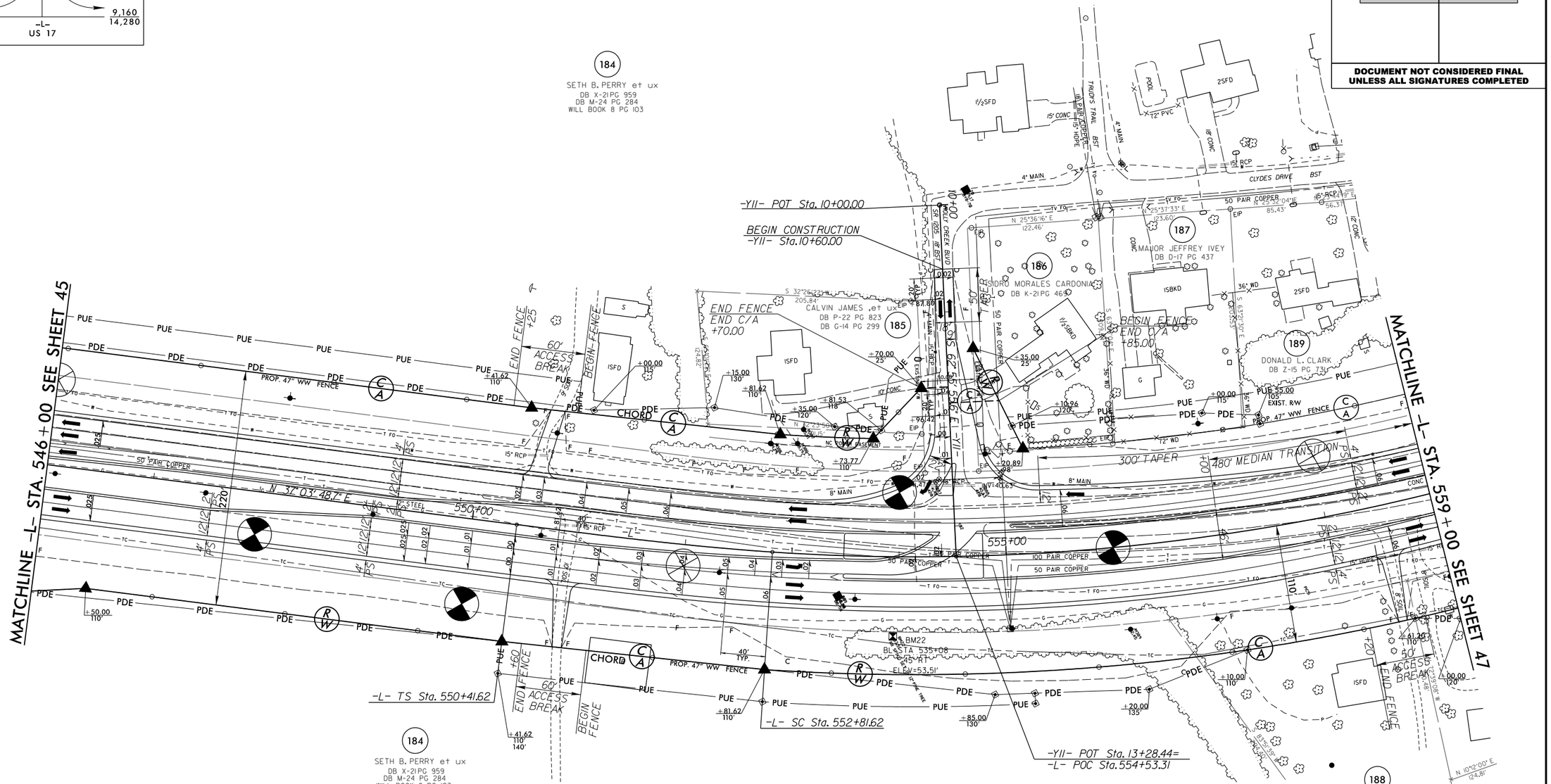
| 2020 ADT | –Y11– HOLLY CREEK BLVD. | |
|---|---|---|
| 2040 ADT | 240 / 320 | |
| ≤ 50 / < 50 | | 240 / 320 |
| 8,920 / 13,960 | | 9,160 / 14,280 |
| | –L– US 17 | |

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 46 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

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NAD 83/2011




| –L– | |
|---|---|
| PIs Sta 552+01.65 | PI Sta 557+63.51 |
| Θs = 3° 27' 18.1" | △ = 27° 13' 29.9" (LT) |
| Ls = 240.00' | D = 2° 52' 45.1" |
| LT = 160.03' | L = 945.58' |
| ST = 80.03' | T = 481.89' |
| | R = 1,990.00' |
| | Se = 0.06 |

FOR –L– PROFILE SEE SHTS. 67–68
FOR –Y11– PROFILE SEE SHT. 71

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.

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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 47 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
DO NOT USE FOR R/W ACQUISITION

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*END PROJECT R-2511*
*-L- POT Sta. 568+50.00*

MATCHLINE -L- STA. 559+00 SEE SHEET 46

JEHLOU GRIFFIN
DB L-18 PG 914

DAVID H. LAMB
DB G-13 PG 741

CHARLES D. EDMONDSON
DB H-17 PG 118

PATRICA A. CHESSON
DB B-18 PG 610

JACKIE L. HESTER
DB F-23 PG 632

NEWCOMB, JOHNNY A., et al
DB B-12 PG 928
DB T-10 PG 86 (PLAT)

SIMON A. PERRY III
DB L-22 PG 194
PC-C SL 44-D

EDWARD F. CUTLER AND MYRTLE C. JOHNSON
DB O-22 PG 924
PC-C SL 87-C
LOTS 4 & 5

480' MEDIAN TRANSITION

20' AREA RESERVED BY OWNERS TO HWY R/W

PROP. 47" WW FENCE

-L- CS Sta. 562+27.20

-L- ST Sta. 564+67.20

END FENCE +50.00

BEGIN FENCE

CHORD

HWY 17 31' BST

| -L- | |
|---|---|
| PI Sta 557+63.51 | PIs Sta 563+07.22 |
| Δ = 27° 13' 29.9" (LT) | Θs = 3° 27' 18.1" |
| D = 2° 52' 45.1" | Ls = 240.00' |
| L = 945.58' | LT = 160.03' |
| T = 481.89' | ST = 80.03' |
| R = 1,990.00' | |
| Se = 0.06 | |

FOR -L- PROFILE SEE SHT. 68

ALL DRIVEWAYS ARE 16' UNLESS OTHERWISE NOTED.


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5/28/99

-L-

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 48 |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
DO NOT USE FOR R/W ACQUISITION

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

(A) UNDIVIDED COASTAL PLAIN: Brown to gray-yellow, medium stiff to stiff, fine sandy silty slightly to moderately plastic CLAY, moist to wet

(B) UNDIVIDED COASTAL PLAIN: Gray to green-gray to tan to orange-tan to tan-yellow, very loose to loose, clayey fine SAND, moist to wet

(C) ROADWAY EMBANKMENT: Dark brown, medium stiff to stiff, sandy silty slightly plastic CLAY, moist

(D) UNDIVIDED COASTAL PLAIN: Gray-brown to green-gray, very soft to medium stiff, fine sandy silty slightly plastic CLAY, moist to wet

(E) UNDIVIDED COASTAL PLAIN: Blue-gray, soft to stiff, clayey sandy SILT, moist to wet

58' LT
SS-374
SBL

56' RT
SS-380
CBR-1

57' RT
S-132
NBL

60' LT
SS-370
CBR-2

63' RT
DRY
2/18

50' LT
DRY
2/18

58' RT
SS-390

UNDIVIDED COASTAL PLAIN: Tan-brown to green-gray, to orange-gray to brown, very loose to loose, silty clayey fine SAND, moist to wet

7+00 8+00 9+00 10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00

(A) UNDIVIDED COASTAL PLAIN: Yellow-brown, medium stiff, sandy clayey SILT, moist

(B) UNDIVIDED COASTAL PLAIN: Gray to brown-gray to yellow-brown, medium stiff to stiff, sandy silty slightly to highly plastic CLAY, moist to wet

(C) UNDIVIDED COASTAL PLAIN: Brown to gray to tan-brown to brown-yellow to orange-gray, very loose to medium dense, silty clayey fine to coarse SAND, moist to wet

34' LT
CBR-3

12' RT
S-137

35' LT
SS-360

37' LT

35' LT
SS-349

21+00 22+00 23+00 24+00 25+00 26+00 27+00 28+00 29+00 30+00 31+00 32+00 33+00 34+00 35+00

FOR -L- PLAN SEE SHTS. 4-6

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| PROJECT REFERENCE NO. | SHEET NO. |
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| R-2511 | 49 |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

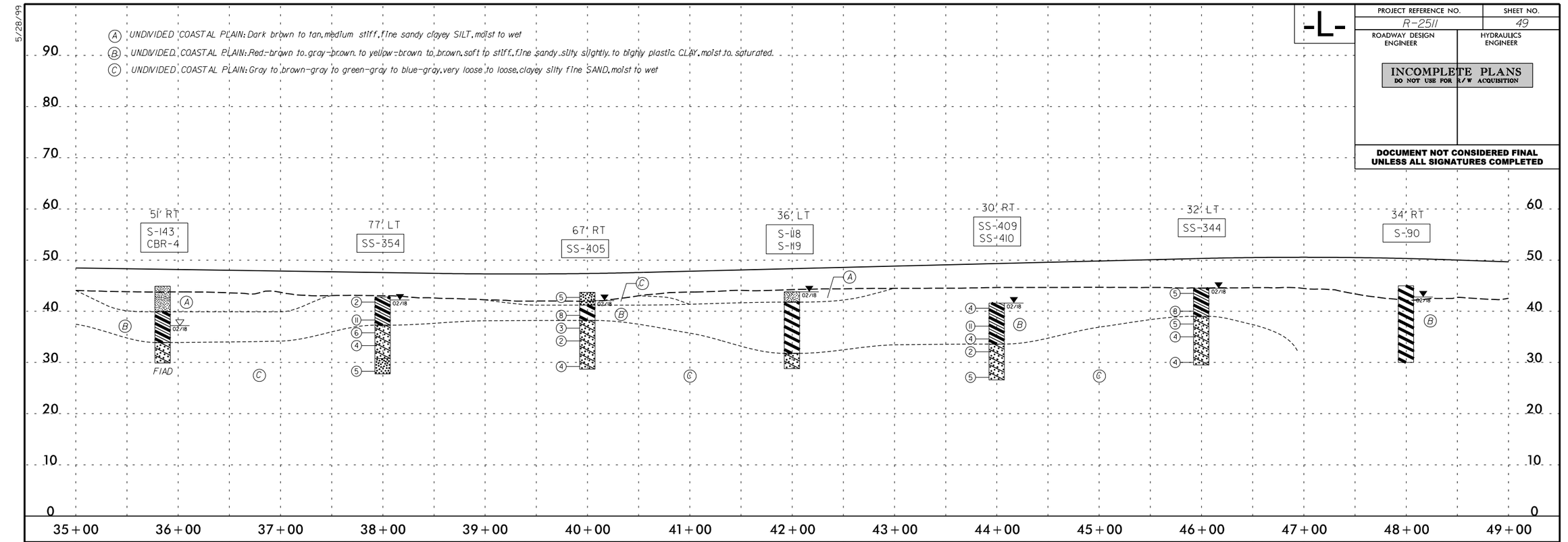
**INCOMPLETE PLANS**
DO NOT USE FOR R/W ACQUISITION

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

(A) UNDIVIDED COASTAL PLAIN: Dark brown to tan, medium stiff, fine sandy clayey SILT, moist to wet

(B) UNDIVIDED COASTAL PLAIN: Red-brown to gray-brown to yellow-brown to brown, soft to stiff, fine sandy silty slightly to highly plastic CLAY, moist to saturated.

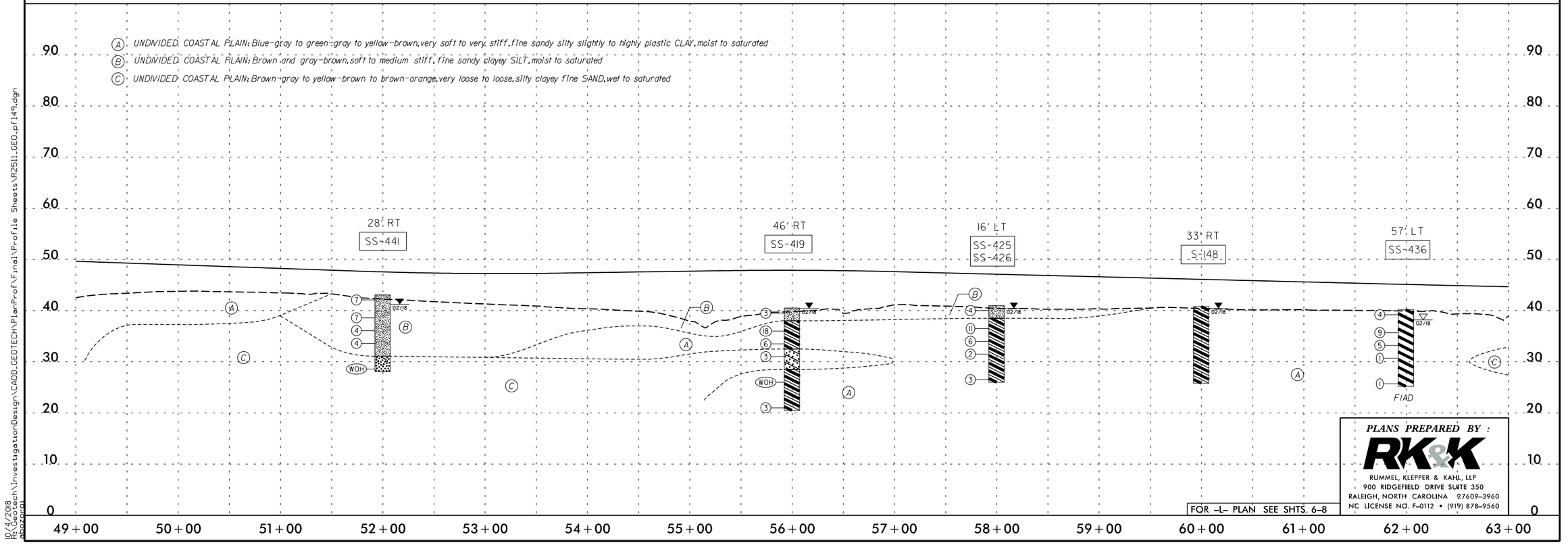
(C) UNDIVIDED COASTAL PLAIN: Gray to brown-gray to green-gray to blue-gray, very loose to loose, clayey silty fine SAND, moist to wet




(A) UNDIVIDED COASTAL PLAIN: Blue-gray to green-gray to yellow-brown, very soft to very stiff, fine sandy silty slightly to highly plastic CLAY, moist to saturated

(B) UNDIVIDED COASTAL PLAIN: Brown and gray-brown, soft to medium stiff, fine sandy clayey SILT, moist to saturated

(C) UNDIVIDED COASTAL PLAIN: Brown-gray to yellow-brown to brown-orange, very loose to loose, silty clayey fine SAND, wet to saturated




FOR -L- PLAN SEE SHTS. 6-8

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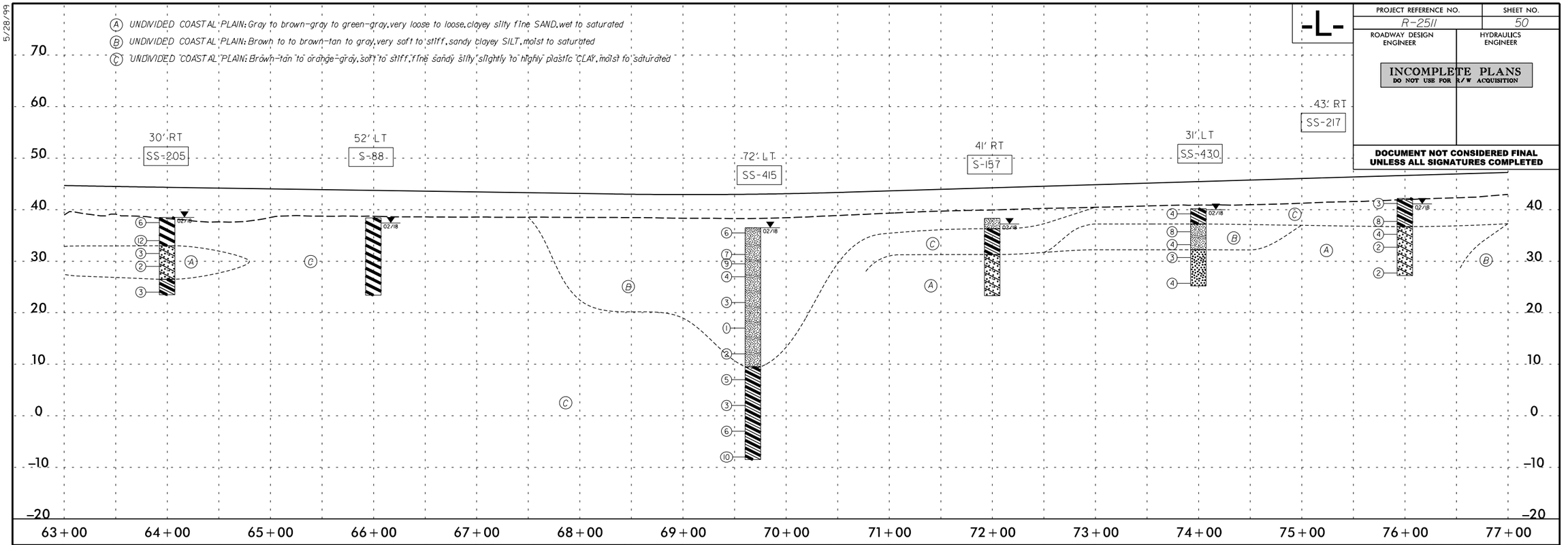
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| PROJECT REFERENCE NO. | SHEET NO. |
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| R-2511 | 50 |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

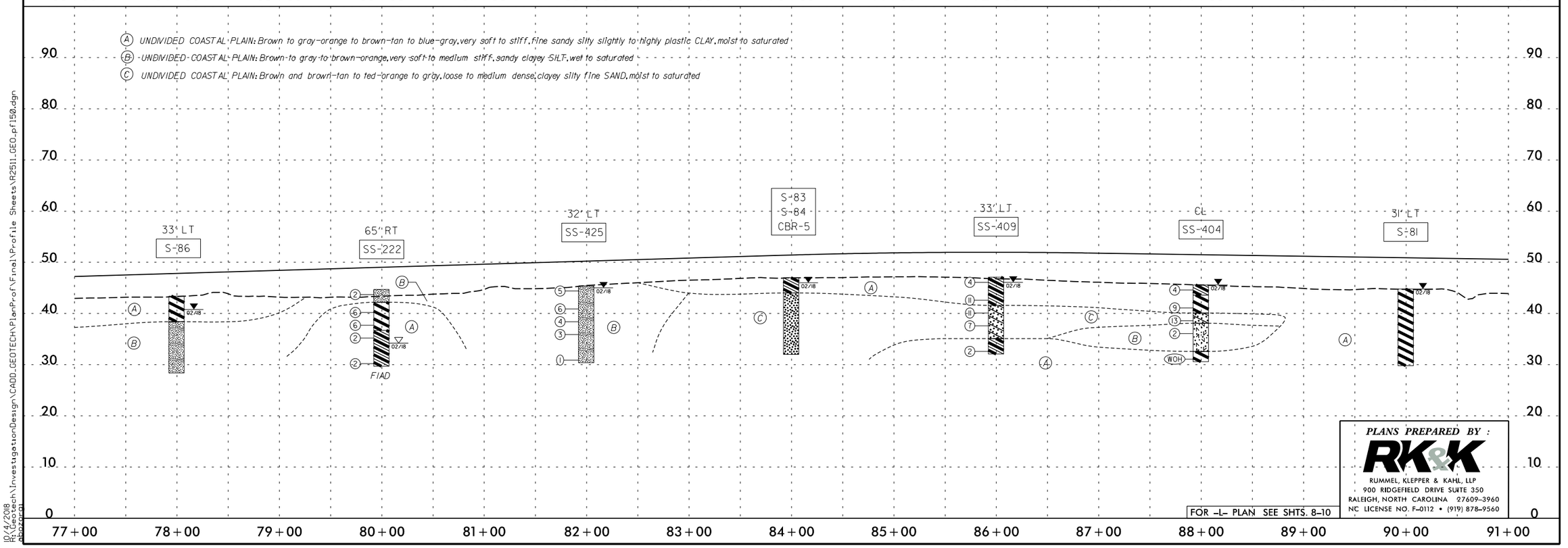
**INCOMPLETE PLANS**
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**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

(A) UNDIVIDED COASTAL PLAIN: Gray to brown-gray to green-gray, very loose to loose, clayey silty fine SAND, wet to saturated
(B) UNDIVIDED COASTAL PLAIN: Brown to to brown-tan to gray, very soft to stiff, sandy clayey SILT, moist to saturated
(C) UNDIVIDED COASTAL PLAIN: Brown-tan to orange-gray, soft to stiff, fine sandy silty slightly to highly plastic CLAY, moist to saturated




(A) UNDIVIDED COASTAL PLAIN: Brown to gray-orange to brown-tan to blue-gray, very soft to stiff, fine sandy silty slightly to highly plastic CLAY, moist to saturated
(B) UNDIVIDED COASTAL PLAIN: Brown to gray to brown-orange, very soft to medium stiff, sandy clayey SILT, wet to saturated
(C) UNDIVIDED COASTAL PLAIN: Brown and brown-tan to red-orange to gray, loose to medium dense, clayey silty fine SAND, moist to saturated




FOR -L- PLAN SEE SHTS. 8-10

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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 5I |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

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(A) UNDIVIDED COASTAL PLAIN: Brown-tan-gray to black-brown to brown-orange, very soft to stiff, silty moderately plastic CLAY, moist to saturated
(B) UNDIVIDED COASTAL PLAIN: Gray to brown-orange, very loose to medium dense, silty fine SAND, saturated
(C) UNDIVIDED COASTAL PLAIN: Gray to brown to black-brown, medium stiff, sandy clayey SILT, moist to saturated

7' RT SS-399
31' LT SS-395
12' RT S-79
30' LT SS-389 CBR-6
36' LT S-76

FIAD

(A) UNDIVIDED COASTAL PLAIN: Brown to gray, very soft to medium stiff, sandy clayey SILT, moist to saturated
(B) UNDIVIDED COASTAL PLAIN: Brown to gray-brown-red to gray-orange, very soft to stiff, silty-slightly to highly plastic CLAY, wet to saturated
(C) UNDIVIDED COASTAL PLAIN: Gray, medium dense, clayey SAND, saturated
(D) ROADWAY EMBANKMENT: Brown, soft to stiff, sandy SILT, moist

-L- 106+00 LT 34' LT SS-384
-L- 108+00 RT 64' RT S-92 S-93
-L- 110+00 LT 18' RT SS-380
-L- 112+00 RT 42' RT SS-454
-L- 114+00 LT 35' LT S-73
-L- 116+00 RT 57' RT SS-374
-L- 118+00 LT 34' LT SS-369 CBR-7

Pavement

FIAD

FOR -L- PLAN SEE SHTS. 10-12

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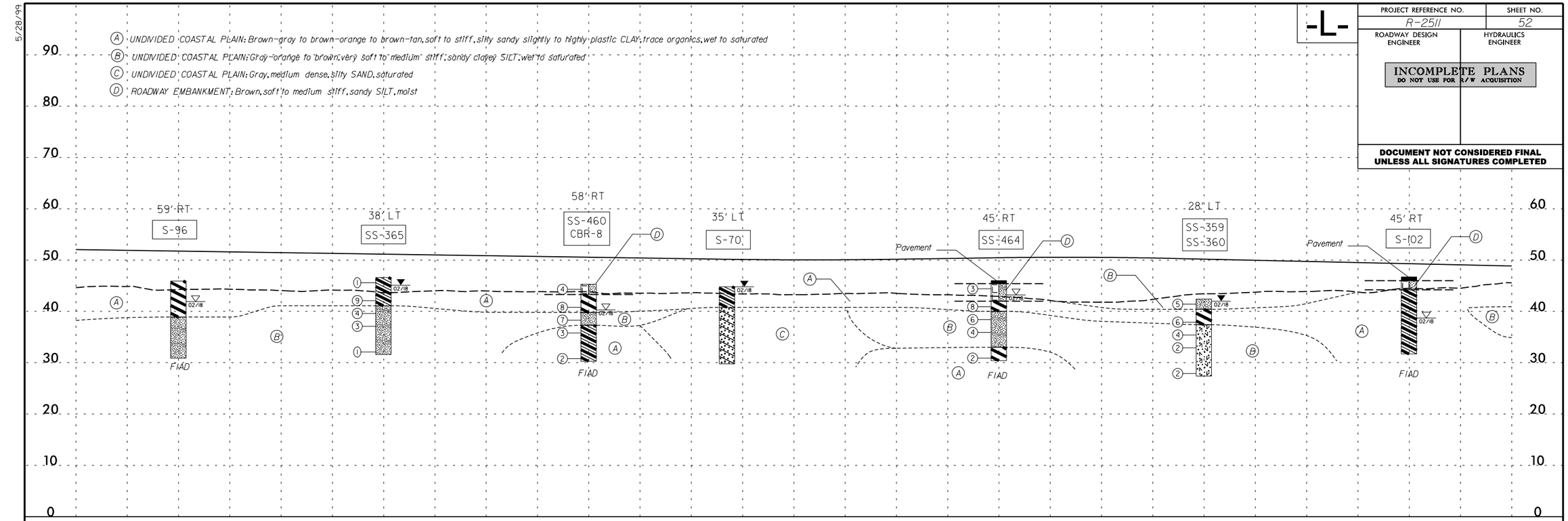
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| PROJECT REFERENCE NO. | SHEET NO. |
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| R-2511 | 52 |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

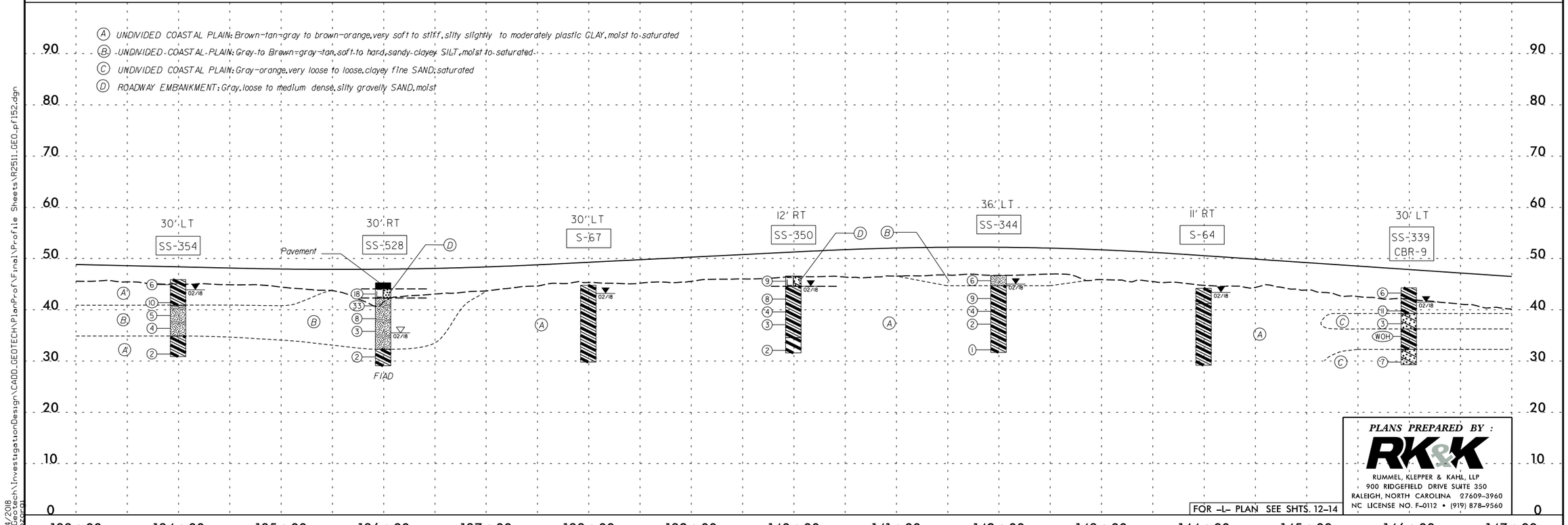
**INCOMPLETE PLANS**
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**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

(A) UNDIVIDED COASTAL PLAIN: Brown-gray to brown-orange to brown-tan, soft to stiff, silty sandy slightly to highly plastic CLAY, trace organics, wet to saturated
(B) UNDIVIDED COASTAL PLAIN: Gray-orange to brown, very soft to medium stiff, sandy clayey SILT, wet to saturated
(C) UNDIVIDED COASTAL PLAIN: Gray, medium dense, silty SAND, saturated
(D) ROADWAY EMBANKMENT: Brown, soft to medium stiff, sandy SILT, moist




(A) UNDIVIDED COASTAL PLAIN: Brown-tan-gray to brown-orange, very soft to stiff, silty slightly to moderately plastic CLAY, moist to saturated
(B) UNDIVIDED COASTAL PLAIN: Gray to Brown-gray-tan, soft to hard, sandy clayey SILT, moist to saturated
(C) UNDIVIDED COASTAL PLAIN: Gray-orange, very loose to loose, clayey fine SAND, saturated
(D) ROADWAY EMBANKMENT: Gray, loose to medium dense, silty gravelly SAND, moist




FOR -L- PLAN SEE SHTS. 12-14

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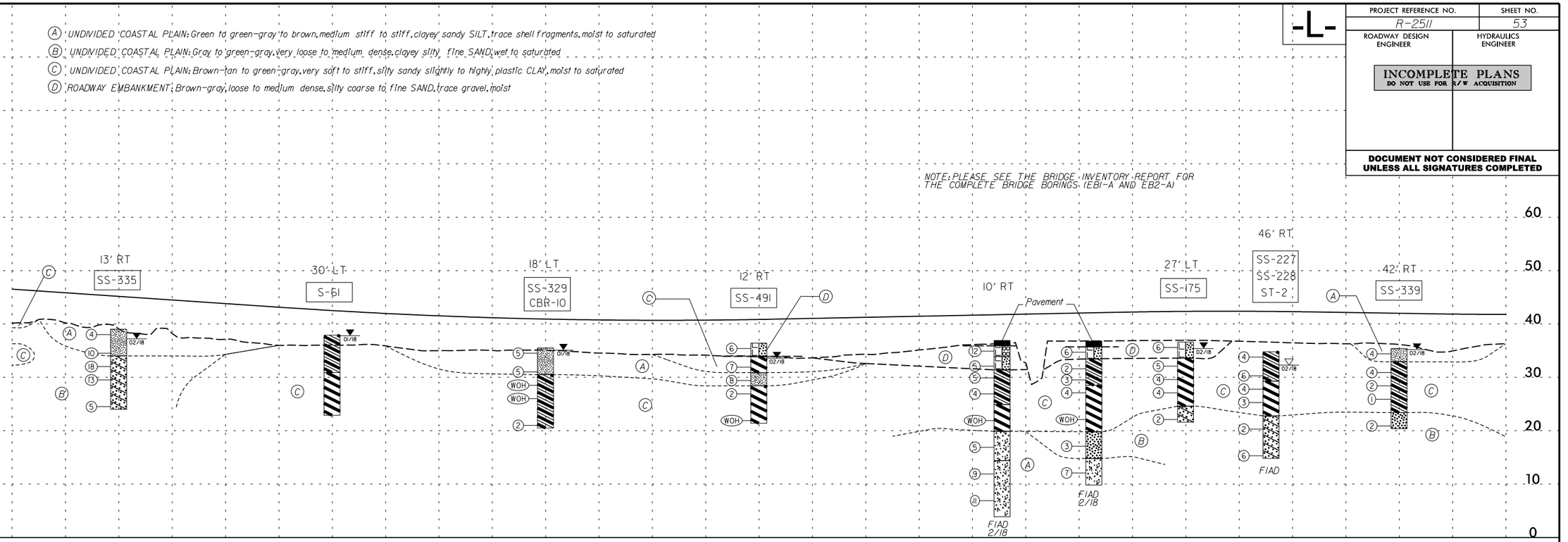
| PROJECT REFERENCE NO. | SHEET NO. |
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| R-2511 | 53 |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

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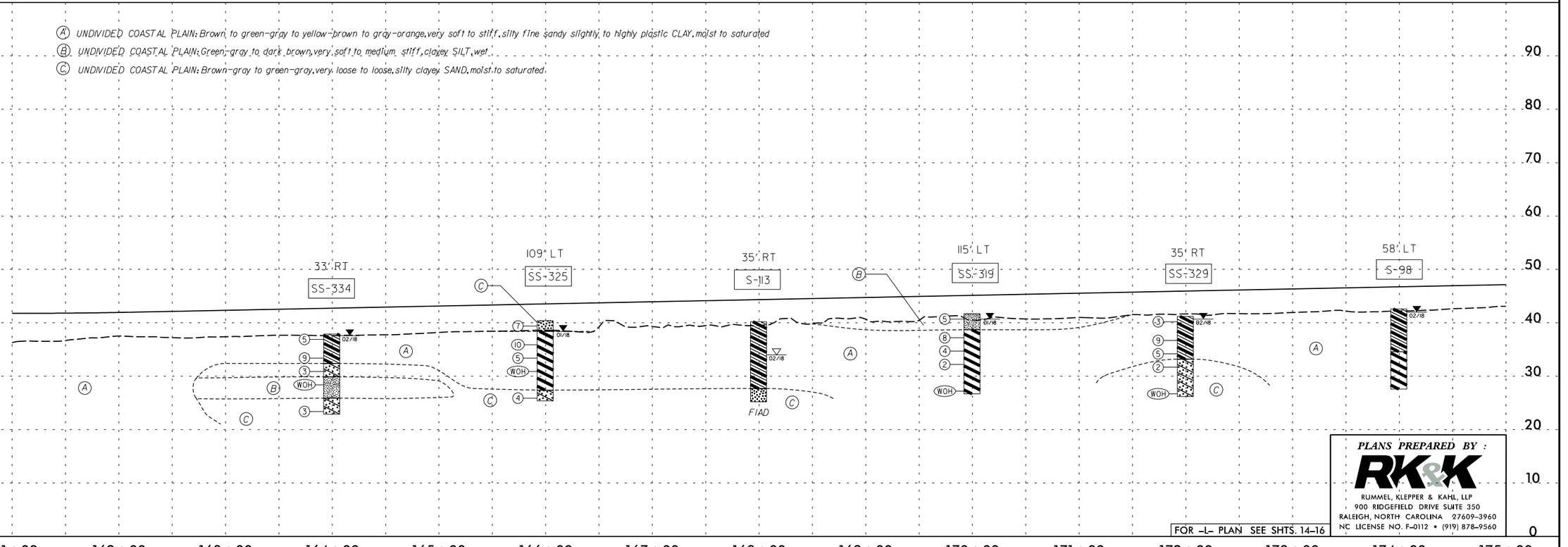
**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

(A) UNDIVIDED COASTAL PLAIN: Green to green-gray to brown, medium stiff to stiff, clayey sandy SILT, trace shell fragments, moist to saturated
(B) UNDIVIDED COASTAL PLAIN: Gray to green-gray, very loose to medium dense, clayey silty fine SAND, wet to saturated
(C) UNDIVIDED COASTAL PLAIN: Brown-tan to green-gray, very soft to stiff, silty sandy slightly to highly plastic CLAY, moist to saturated
(D) ROADWAY EMBANKMENT: Brown-gray, loose to medium dense, silty coarse to fine SAND, trace gravel, moist

NOTE: PLEASE SEE THE BRIDGE INVENTORY REPORT FOR THE COMPLETE BRIDGE BORINGS (EB1-A AND EB2-A)




(A) UNDIVIDED COASTAL PLAIN: Brown to green-gray to yellow-brown to gray-orange, very soft to stiff, silty fine sandy slightly to highly plastic CLAY, moist to saturated
(B) UNDIVIDED COASTAL PLAIN: Green-gray to dark brown, very soft to medium stiff, clayey SILT, wet
(C) UNDIVIDED COASTAL PLAIN: Brown-gray to green-gray, very loose to loose, silty clayey SAND, moist to saturated




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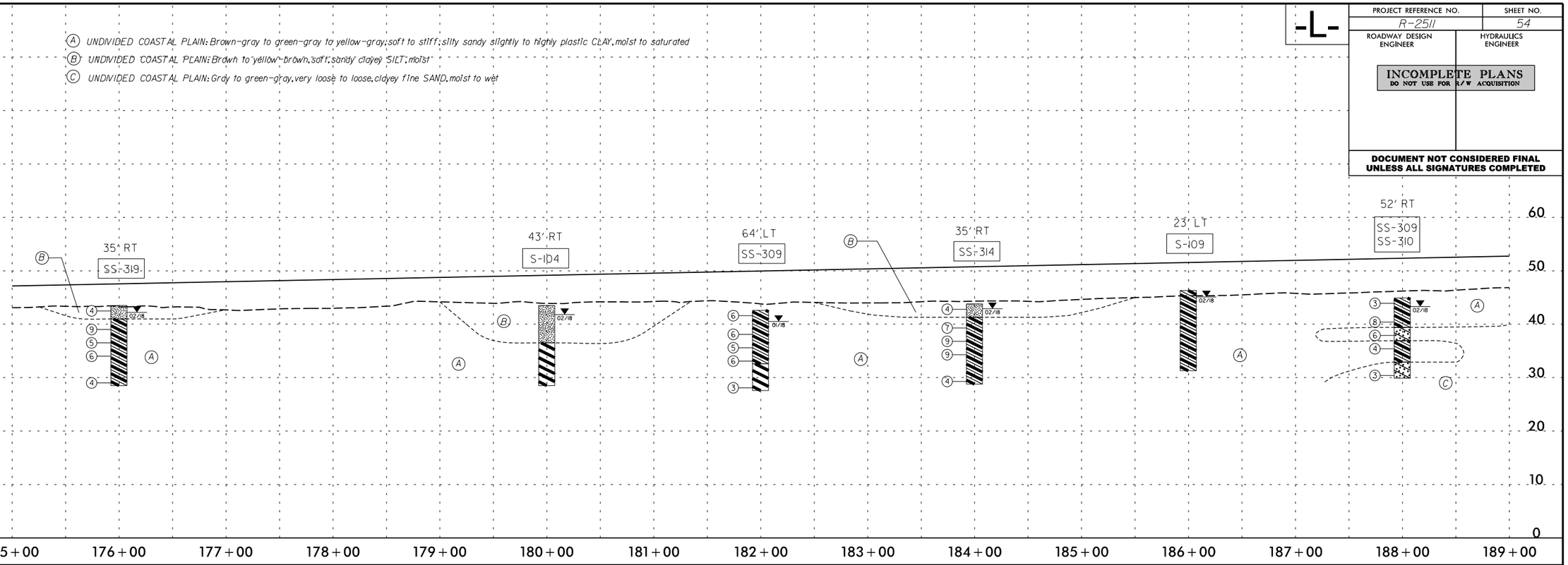
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| PROJECT REFERENCE NO. | SHEET NO. |
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| R-2511 | 54 |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

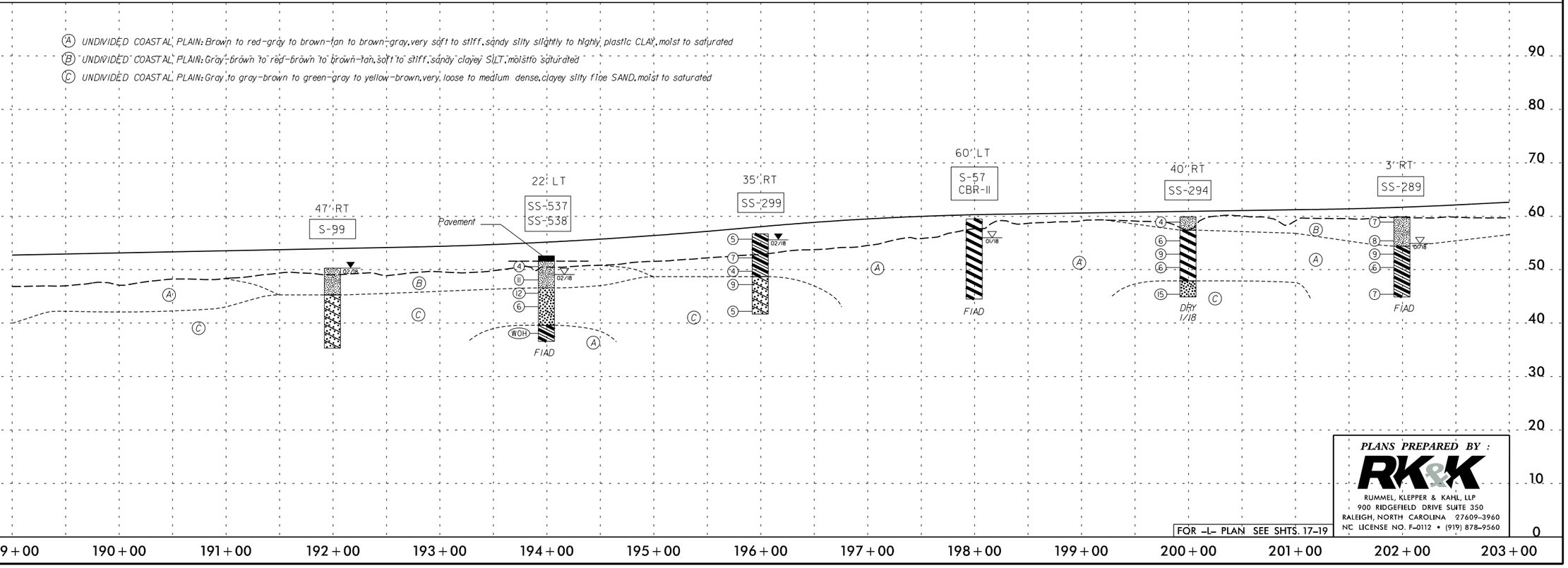
**INCOMPLETE PLANS**
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**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

(A) UNDIVIDED COASTAL PLAIN: Brown-gray to green-gray to yellow-gray; soft to stiff; silty sandy slightly to highly plastic CLAY, moist to saturated
(B) UNDIVIDED COASTAL PLAIN: Brown to yellow-brown, soft; sandy clayey SILT; moist
(C) UNDIVIDED COASTAL PLAIN: Gray to green-gray, very loose to loose, clayey fine SAND, moist to wet




(A) UNDIVIDED COASTAL PLAIN: Brown to red-gray to brown-tan to brown-gray, very soft to stiff, sandy silty slightly to highly plastic CLAY, moist to saturated
(B) UNDIVIDED COASTAL PLAIN: Gray-brown to red-brown to brown-tan, soft to stiff, sandy clayey SILT, moist to saturated
(C) UNDIVIDED COASTAL PLAIN: Gray to gray-brown to green-gray to yellow-brown, very loose to medium dense, clayey silty fine SAND, moist to saturated




FOR -L- PLAN SEE SHTS. 17-19

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| R-2511 | 55 |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

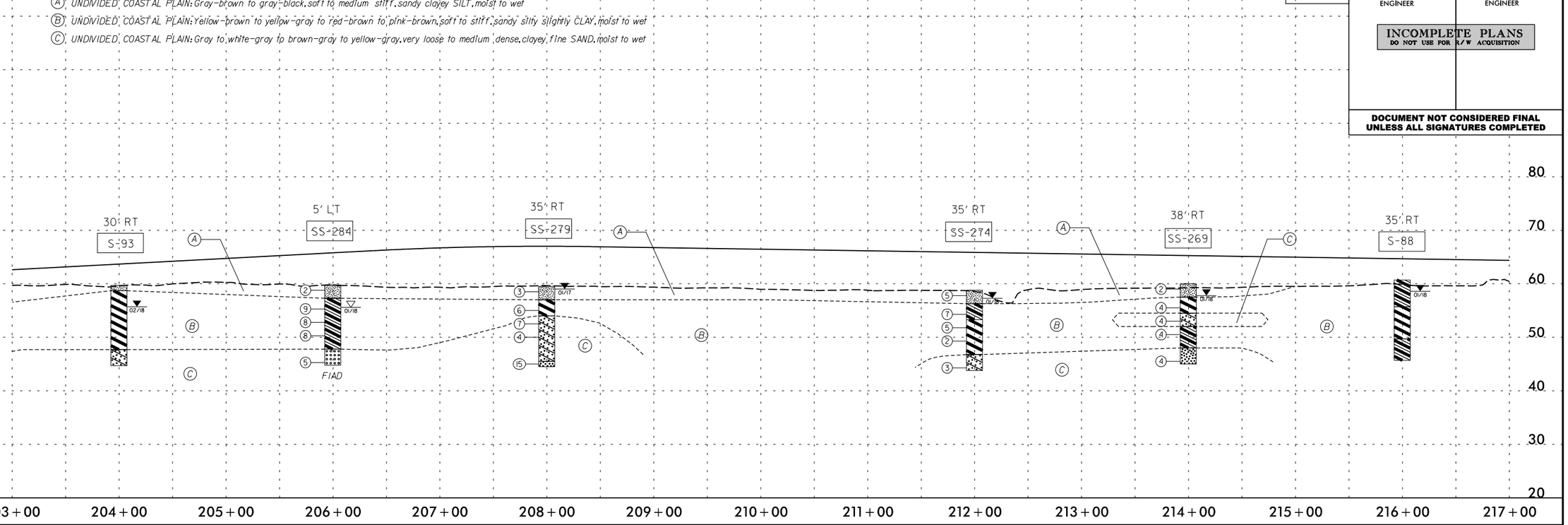
**INCOMPLETE PLANS**
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**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

(A) UNDIVIDED COASTAL PLAIN: Gray-brown to gray-black, soft to medium stiff, sandy clayey SILT, moist to wet

(B) UNDIVIDED COASTAL PLAIN: Yellow-brown to yellow-gray to red-brown to pink-brown, soft to stiff, sandy silty slightly CLAY, moist to wet

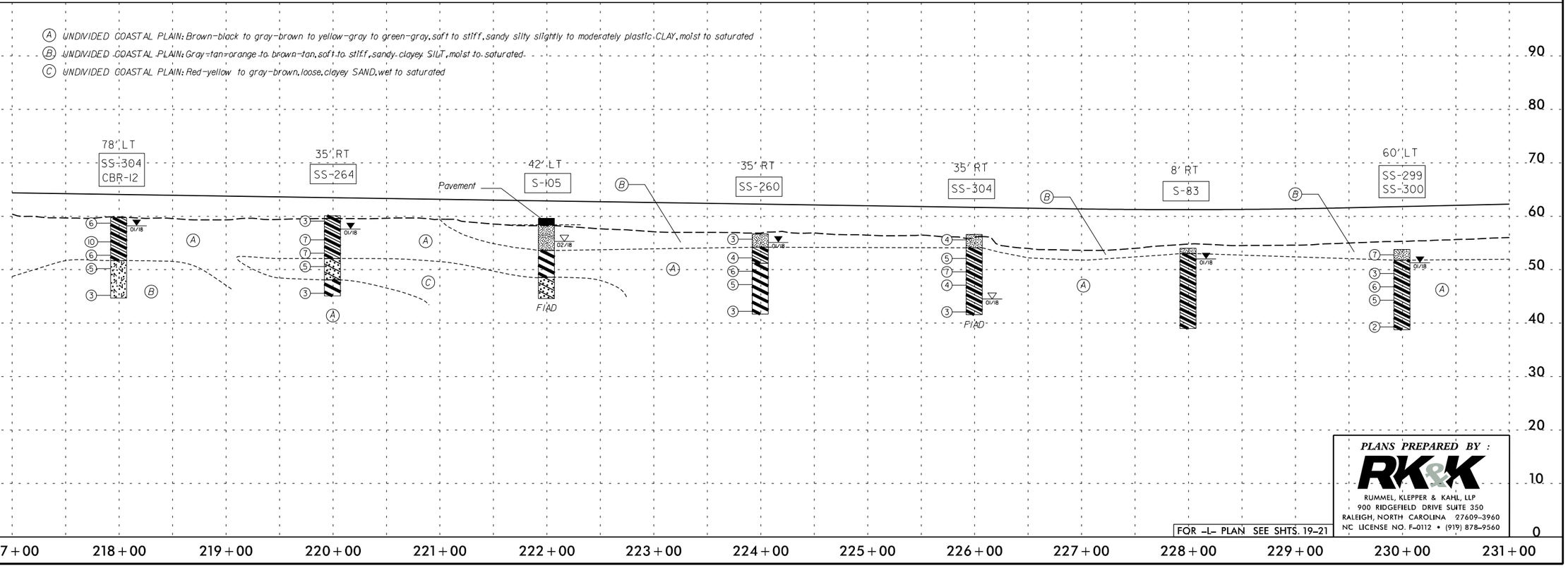
(C) UNDIVIDED COASTAL PLAIN: Gray to white-gray to brown-gray to yellow-gray, very loose to medium dense, clayey, fine SAND, moist to wet




(A) UNDIVIDED COASTAL PLAIN: Brown-black to gray-brown to yellow-gray to green-gray, soft to stiff, sandy silty slightly to moderately plastic CLAY, moist to saturated

(B) UNDIVIDED COASTAL PLAIN: Gray-tan-orange to brown-tan, soft to stiff, sandy clayey SILT, moist to saturated

(C) UNDIVIDED COASTAL PLAIN: Red-yellow to gray-brown, loose, clayey SAND, wet to saturated




FOR -L- PLAN SEE SHTS. 19-21

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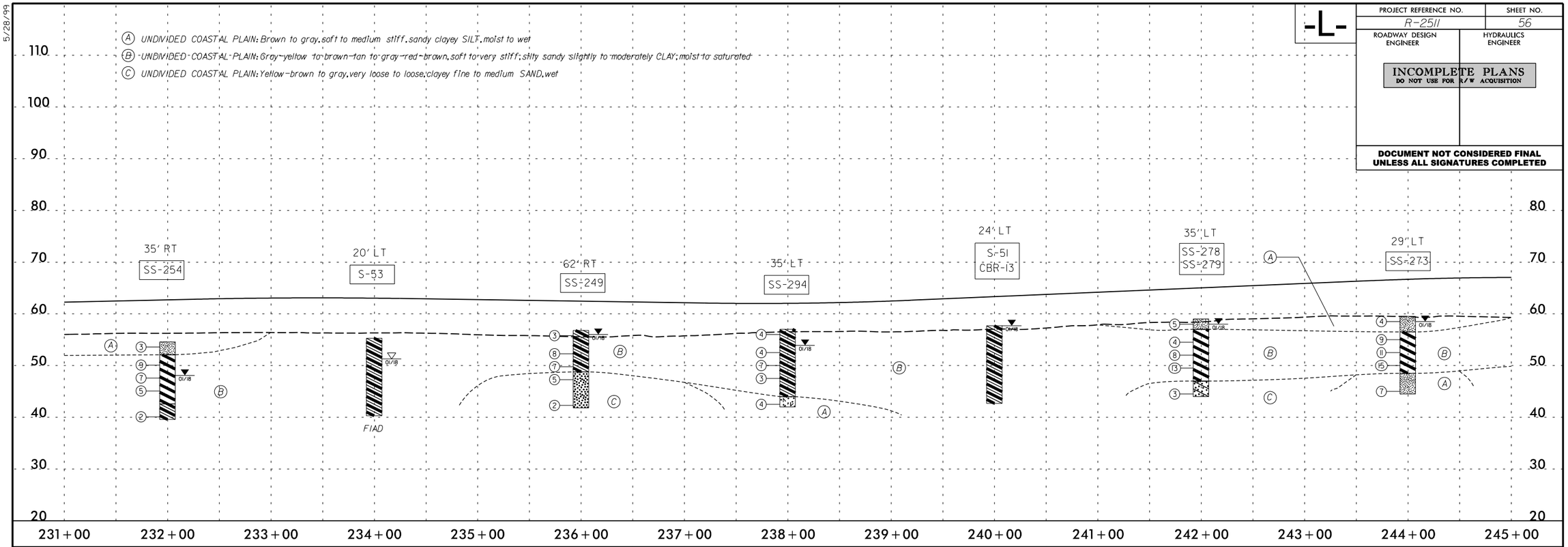
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| PROJECT REFERENCE NO. | SHEET NO. |
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| R-2511 | 56 |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

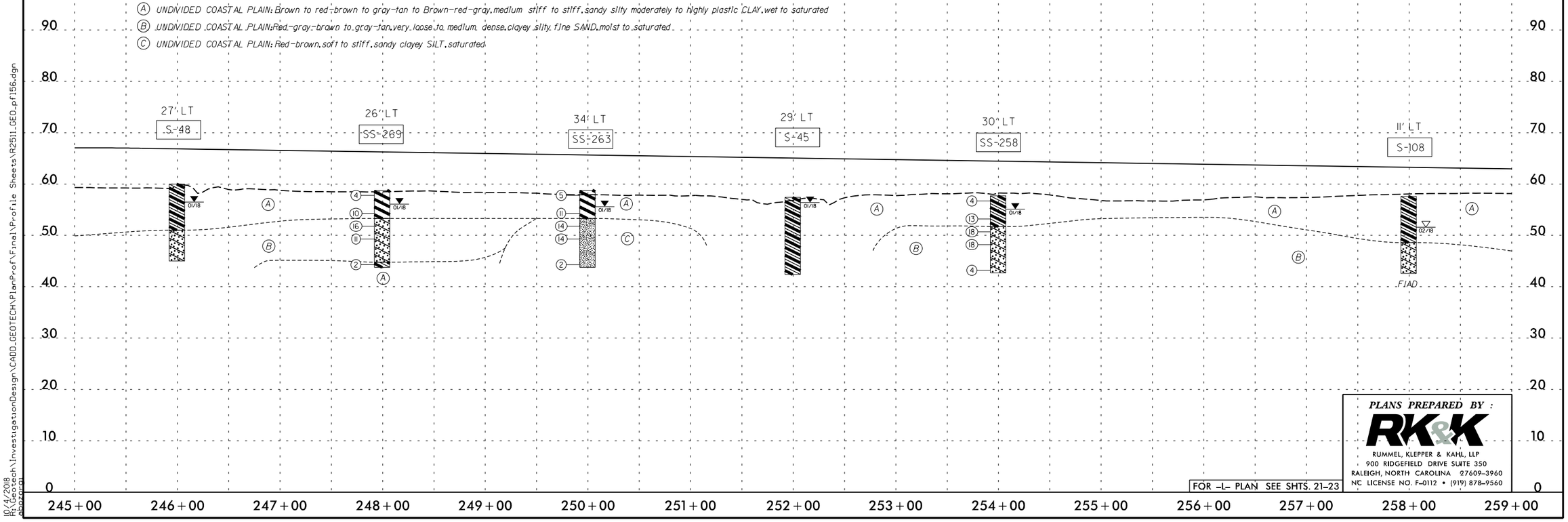
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**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

(A) UNDIVIDED COASTAL PLAIN: Brown to gray, soft to medium stiff, sandy clayey SILT, moist to wet
(B) UNDIVIDED COASTAL PLAIN: Gray-yellow to brown-tan to gray-red-brown, soft to very stiff; silty sandy slightly to moderately CLAY; moist to saturated
(C) UNDIVIDED COASTAL PLAIN: Yellow-brown to gray, very loose to loose, clayey fine to medium SAND, wet




(A) UNDIVIDED COASTAL PLAIN: Brown to red-brown to gray-tan to Brown-red-gray, medium stiff to stiff, sandy silty moderately to highly plastic CLAY, wet to saturated
(B) UNDIVIDED COASTAL PLAIN: Red-gray-brown to gray-tan, very loose to medium dense, clayey silty fine SAND, moist to saturated
(C) UNDIVIDED COASTAL PLAIN: Red-brown, soft to stiff, sandy clayey SILT, saturated




FOR -L- PLAN SEE SHTS. 21-23

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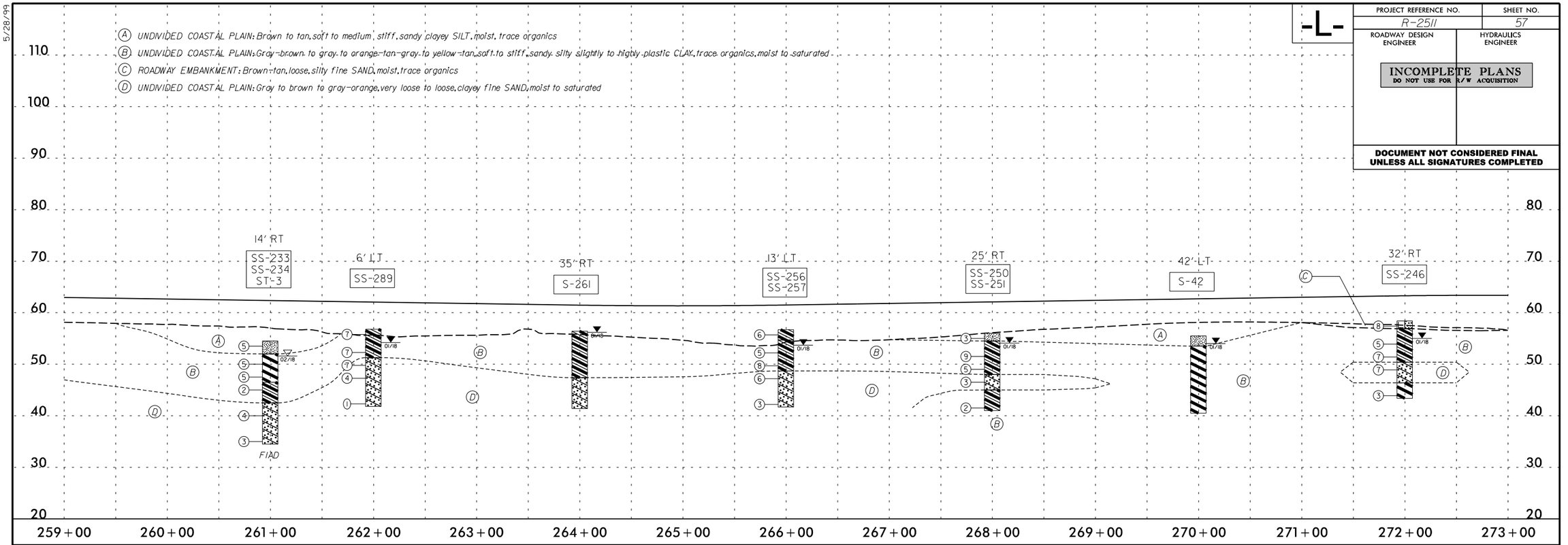
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| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

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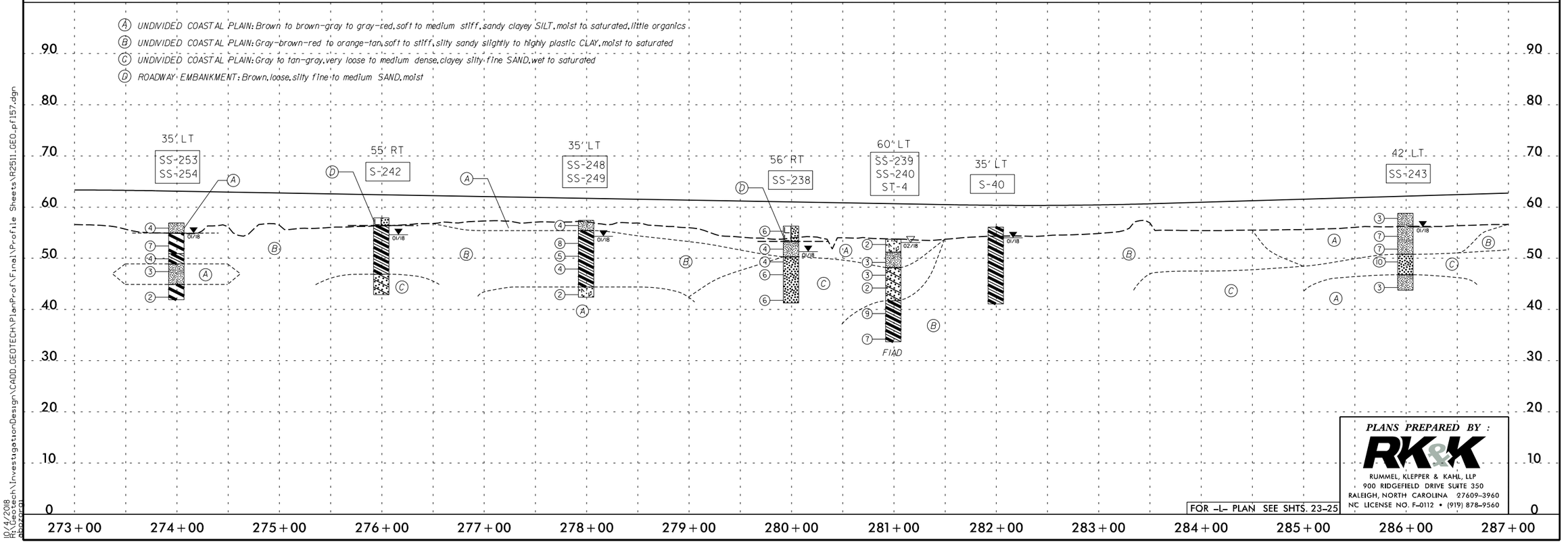
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(A) UNDIVIDED COASTAL PLAIN: Brown to tan, soft to medium stiff, sandy clayey SILT, moist, trace organics
(B) UNDIVIDED COASTAL PLAIN: Gray-brown to gray to orange-tan-gray to yellow-tan, soft to stiff, sandy silty slightly to highly plastic CLAY, trace organics, moist to saturated
(C) ROADWAY EMBANKMENT: Brown-tan, loose, silty fine SAND, moist, trace organics
(D) UNDIVIDED COASTAL PLAIN: Gray to brown to gray-orange, very loose to loose, clayey fine SAND, moist to saturated




(A) UNDIVIDED COASTAL PLAIN: Brown to brown-gray to gray-red, soft to medium stiff, sandy clayey SILT, moist to saturated, little organics
(B) UNDIVIDED COASTAL PLAIN: Gray-brown-red to orange-tan, soft to stiff, silty sandy slightly to highly plastic CLAY, moist to saturated
(C) UNDIVIDED COASTAL PLAIN: Gray to tan-gray, very loose to medium dense, clayey silty fine SAND, wet to saturated
(D) ROADWAY EMBANKMENT: Brown, loose, silty fine to medium SAND, moist




FOR -L- PLAN SEE SHTS. 23-25

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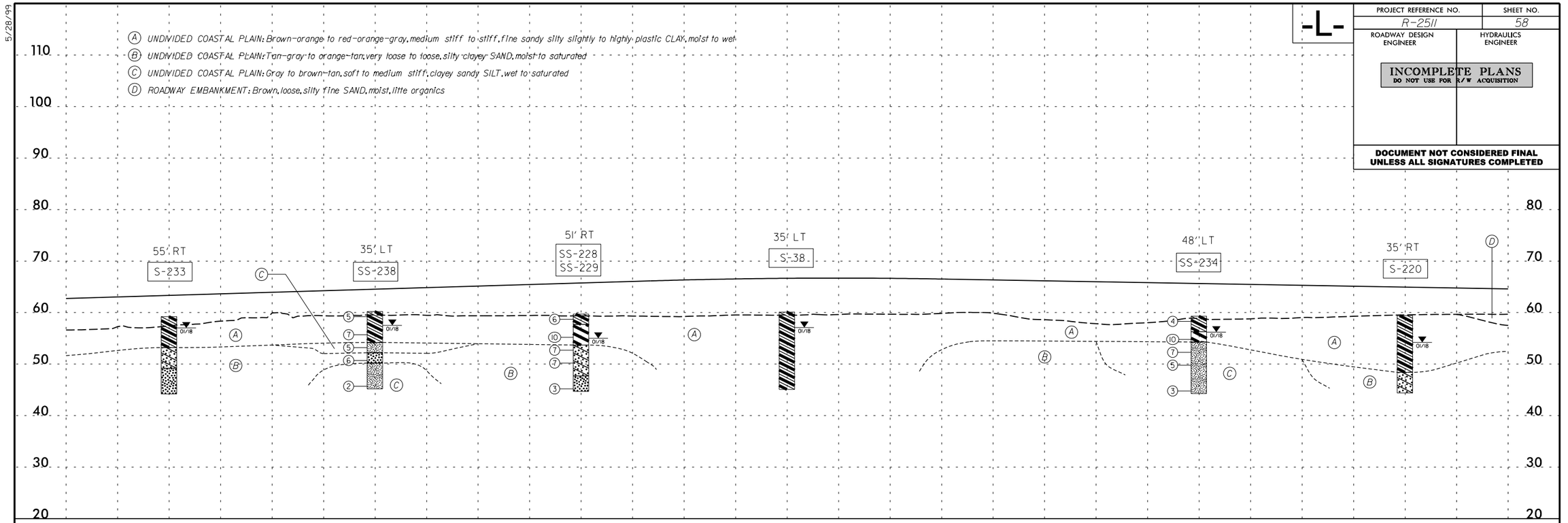
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|---|---|
| R-2511 | 58 |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

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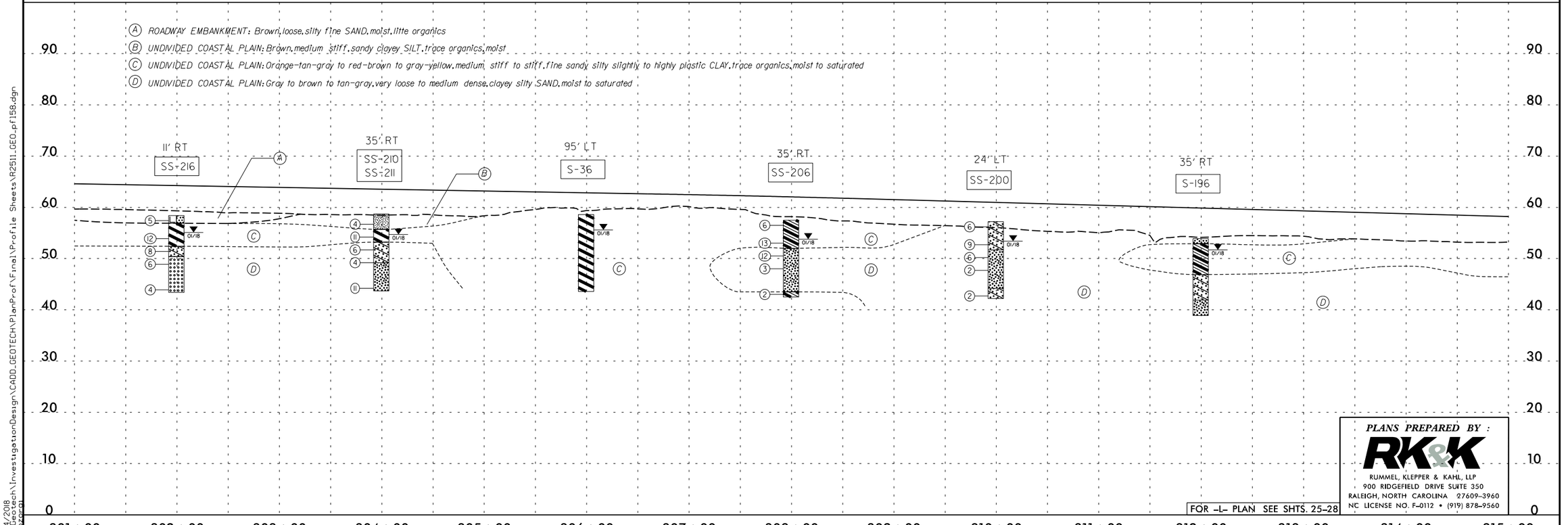
**INCOMPLETE PLANS**
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(A) UNDIVIDED COASTAL PLAIN: Brown-orange to red-orange-gray, medium stiff to stiff, fine sandy silty slightly to highly plastic CLAY, moist to wet
(B) UNDIVIDED COASTAL PLAIN: Tan-gray to orange-tan, very loose to loose, silty clayey SAND, moist to saturated
(C) UNDIVIDED COASTAL PLAIN: Gray to brown-tan, soft to medium stiff, clayey sandy SILT, wet to saturated
(D) ROADWAY EMBANKMENT: Brown, loose, silty fine SAND, moist, little organics




(A) ROADWAY EMBANKMENT: Brown, loose, silty fine SAND, moist, little organics
(B) UNDIVIDED COASTAL PLAIN: Brown, medium stiff, sandy clayey SILT, trace organics, moist
(C) UNDIVIDED COASTAL PLAIN: Orange-tan-gray to red-brown to gray-yellow, medium stiff to stiff, fine sandy silty slightly to highly plastic CLAY, trace organics, moist to saturated
(D) UNDIVIDED COASTAL PLAIN: Gray to brown to tan-gray, very loose to medium dense, clayey silty SAND, moist to saturated




FOR -L- PLAN SEE SHTS. 25-28

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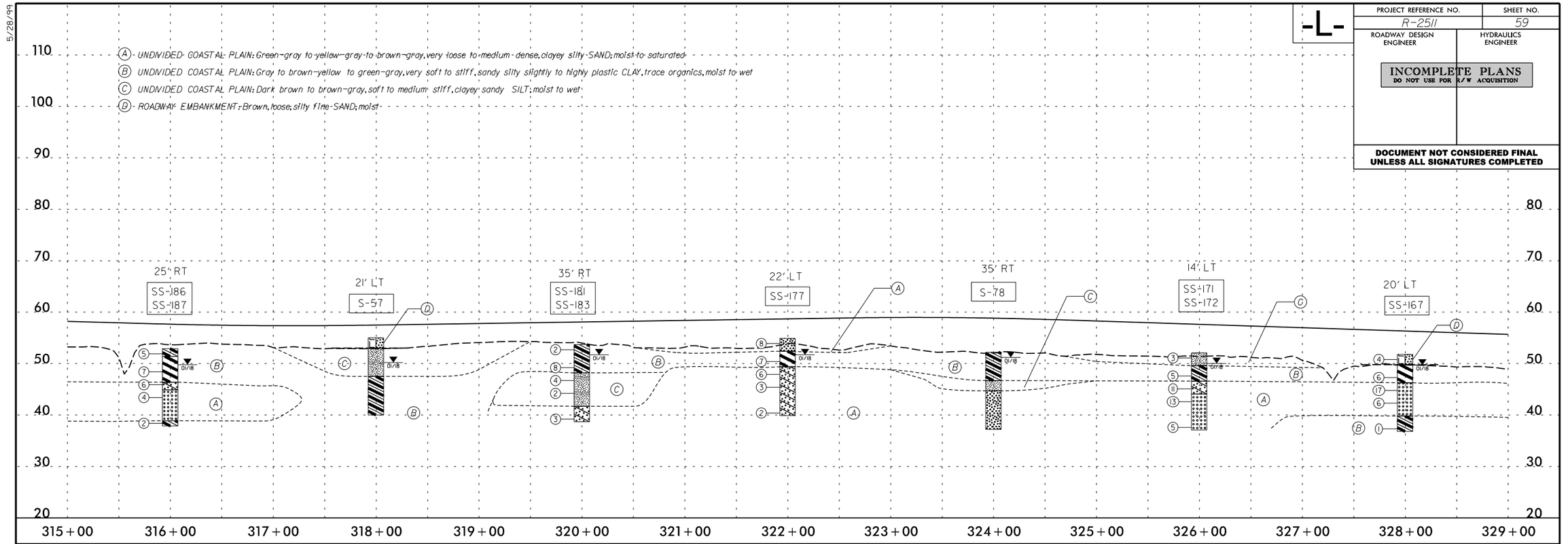
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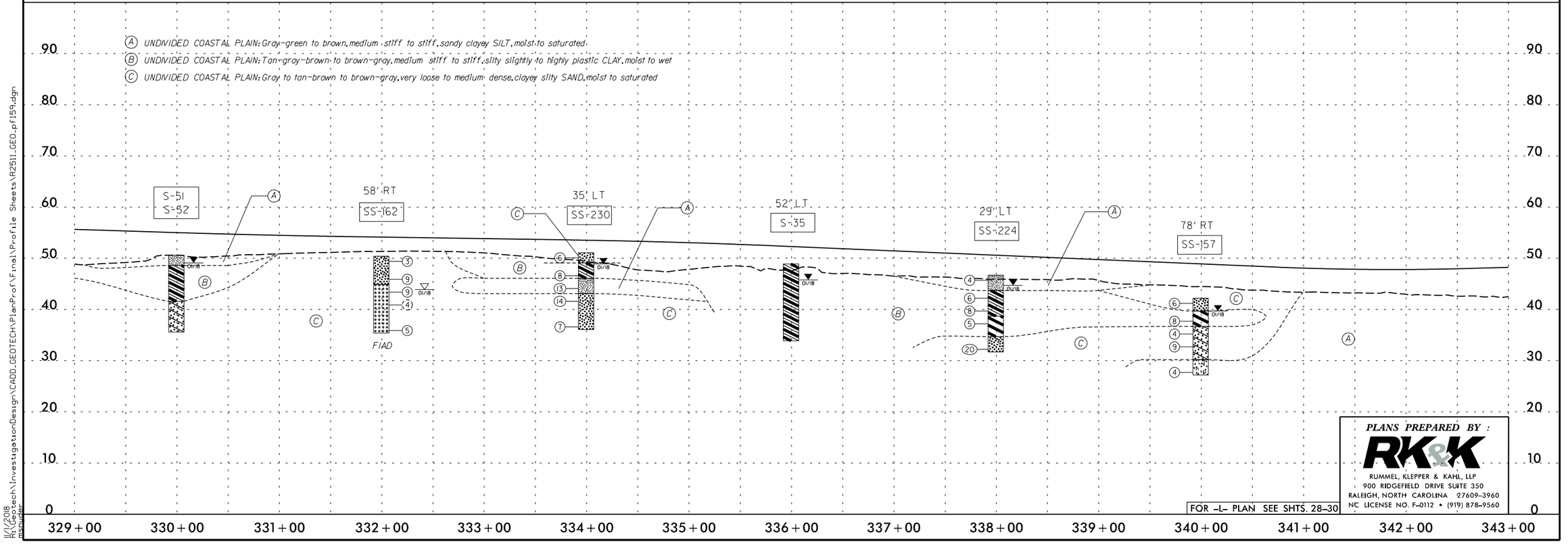
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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 59 |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

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FOR -L- PLAN SEE SHTS. 28-30

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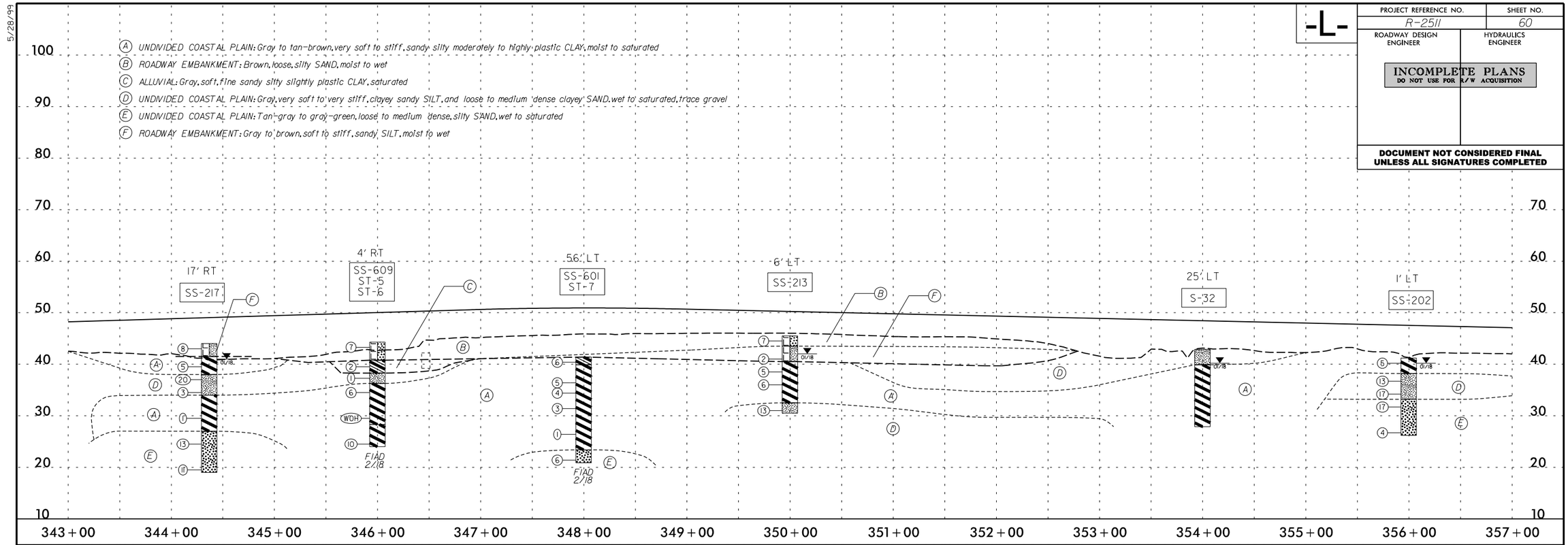
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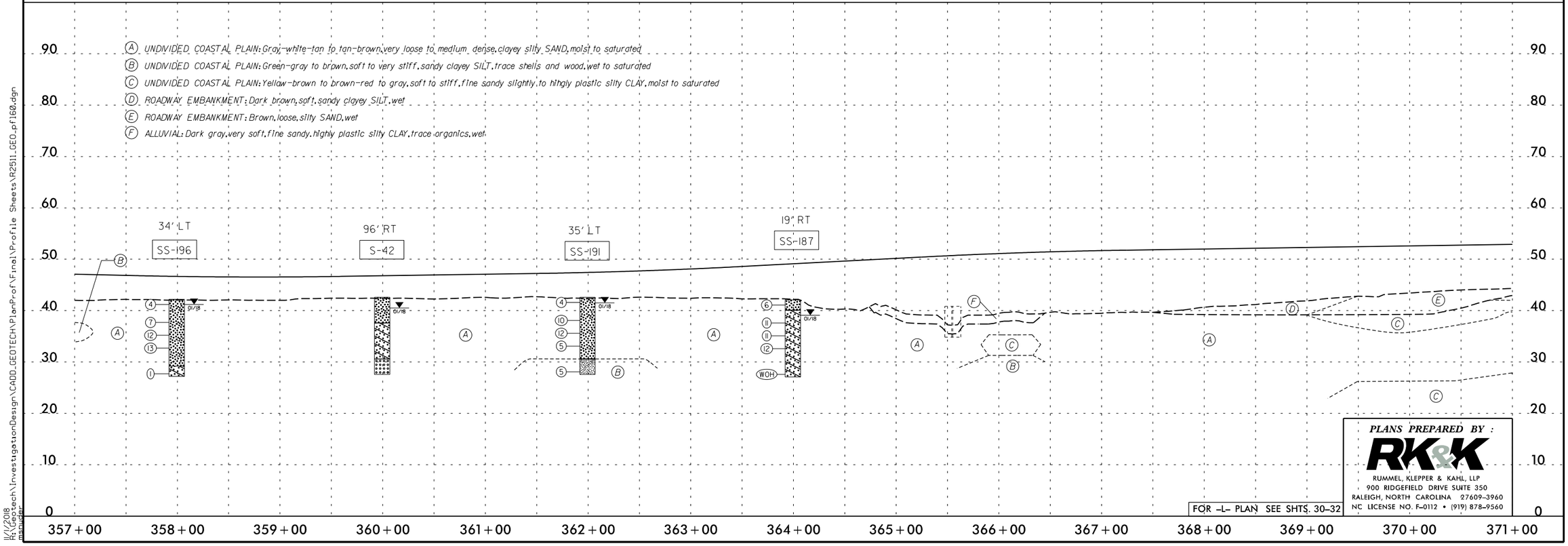
| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 60 |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
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(A) UNDIVIDED COASTAL PLAIN: Gray to tan-brown, very soft to stiff, sandy silty moderately to highly plastic CLAY, moist to saturated
(B) ROADWAY EMBANKMENT: Brown, loose, silty SAND, moist to wet
(C) ALLUVIAL: Gray, soft, fine sandy silty slightly plastic CLAY, saturated
(D) UNDIVIDED COASTAL PLAIN: Gray, very soft to very stiff, clayey sandy SILT, and loose to medium dense clayey SAND, wet to saturated, trace gravel
(E) UNDIVIDED COASTAL PLAIN: Tan-gray to gray-green, loose to medium dense, silty SAND, wet to saturated
(F) ROADWAY EMBANKMENT: Gray to brown, soft to stiff, sandy SILT, moist to wet




343+00 344+00 345+00 346+00 347+00 348+00 349+00 350+00 351+00 352+00 353+00 354+00 355+00 356+00 357+00
357+00 358+00 359+00 360+00 361+00 362+00 363+00 364+00 365+00 366+00 367+00 368+00 369+00 370+00 371+00

FOR -L- PLAN SEE SHTS. 30-32

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| R-2511 | 6I |
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**INCOMPLETE PLANS**
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(A) UNDIVIDED COASTAL PLAIN: Brown to gray, very soft to medium stiff, sandy clayey SILT, moist to saturated
(B) UNDIVIDED COASTAL PLAIN: Yellow-brown to brown-red to gray, medium stiff to stiff, fine sandy slightly to highly plastic CLAY, moist to wet
(C) UNDIVIDED COASTAL PLAIN: Gray to white to yellow-brown, loose to medium dense, clayey silty SAND to fine SAND, wet to saturated
(D) ROADWAY EMBANKMENT: Brown, loose, silty SAND, wet

64' RT
SS-589
ST-9

35' LT
SS-170

56' RT
SS-132
SS-133

20' LT
S-28

70' RT
SS-127
SS-128

35' LT
SS-164

78' RT
S-36

FIAD
2/18

01/18

100 90 80 70 60 50 40 30 20 10

371+00 372+00 373+00 374+00 375+00 376+00 377+00 378+00 379+00 380+00 381+00 382+00 383+00 384+00 385+00

(A) UNDIVIDED COASTAL PLAIN: Brown to gray-red, soft to stiff, sandy clayey SILT, moist to saturated
(B) UNDIVIDED COASTAL PLAIN: Brown to yellow-gray to gray, loose to medium dense, clayey silty fine SAND, moist to saturated
(C) UNDIVIDED COASTAL PLAIN: Brown to gray-red to red-tan-brown to yellow-brown, medium stiff to stiff, sandy silty slightly to highly plastic CLAY, moist to wet

35' LT
SS-160

70' RT
SS-123

35' LT
S-25

70' RT
SS-154

35' LT
SS-149
SS-150

35' LT
SS-145

01/18

90 80 70 60 50 40 30 20 10 0

385+00 386+00 387+00 388+00 389+00 390+00 391+00 392+00 393+00 394+00 395+00 396+00 397+00 398+00 399+00

FOR -L- PLAN SEE SHTS. 32-34

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|---|---|
| R-2511 | 62 |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

**INCOMPLETE PLANS**
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(A) UNDIVIDED COASTAL PLAIN: Brown-tan to yellow-brown to gray-red, medium stiff to stiff, silty sandy slightly to highly plastic CLAY, moist to saturated
(B) UNDIVIDED COASTAL PLAIN: Gray to brown, soft to stiff, sandy clayey SILT, wet
(C) UNDIVIDED COASTAL PLAIN: Gray to yellow-gray to brown-red, very loose to loose, silty clayey fine SAND, moist to saturated

44' RT
SS-551
CBR-15

35' LT
S-21

39' LT
SS-129

28' LT
SS-124

41' LT
S-17

55' LT
SS-120

99' RT
SS-118

Pavement

FIAD

01/18

02/18

399+00 400+00 401+00 402+00 403+00 404+00 405+00 406+00 407+00 408+00 409+00 410+00 411+00 412+00 413+00

110 100 90 80 70 60 50 40 30 20

(A) UNDIVIDED COASTAL PLAIN: Brown to brown-tan-red to blue-gray, very soft to stiff, sandy silty slightly to moderately plastic CLAY, moist to saturated
(B) UNDIVIDED COASTAL PLAIN: Brown to brown-tan-red to gray-brown, very loose to loose, silty clay fine SAND, moist to saturated
(C) UNDIVIDED COASTAL PLAIN: Brown to brown-gray, soft to stiff, fine sandy clayey SILT, moist to wet

60' LT
S-15

76' RT
SS-114

58' LT
SS-140

45' RT
S-28

35' RT
SS-107
SS-108

59' LT
S-26

01/18

413+00 414+00 415+00 416+00 417+00 418+00 419+00 420+00 421+00 422+00 423+00 424+00 425+00 426+00 427+00

110 100 90 80 70 60 50 40 30 20

FOR -L- PLAN SEE SHTS. 34-36

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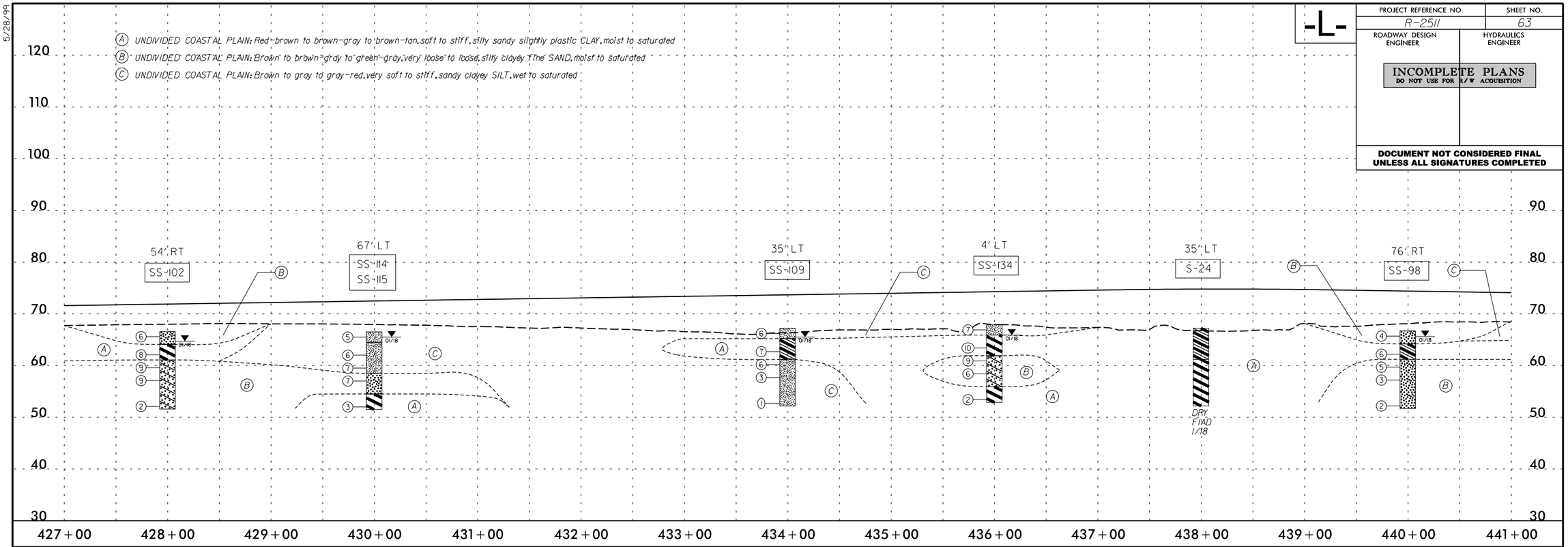
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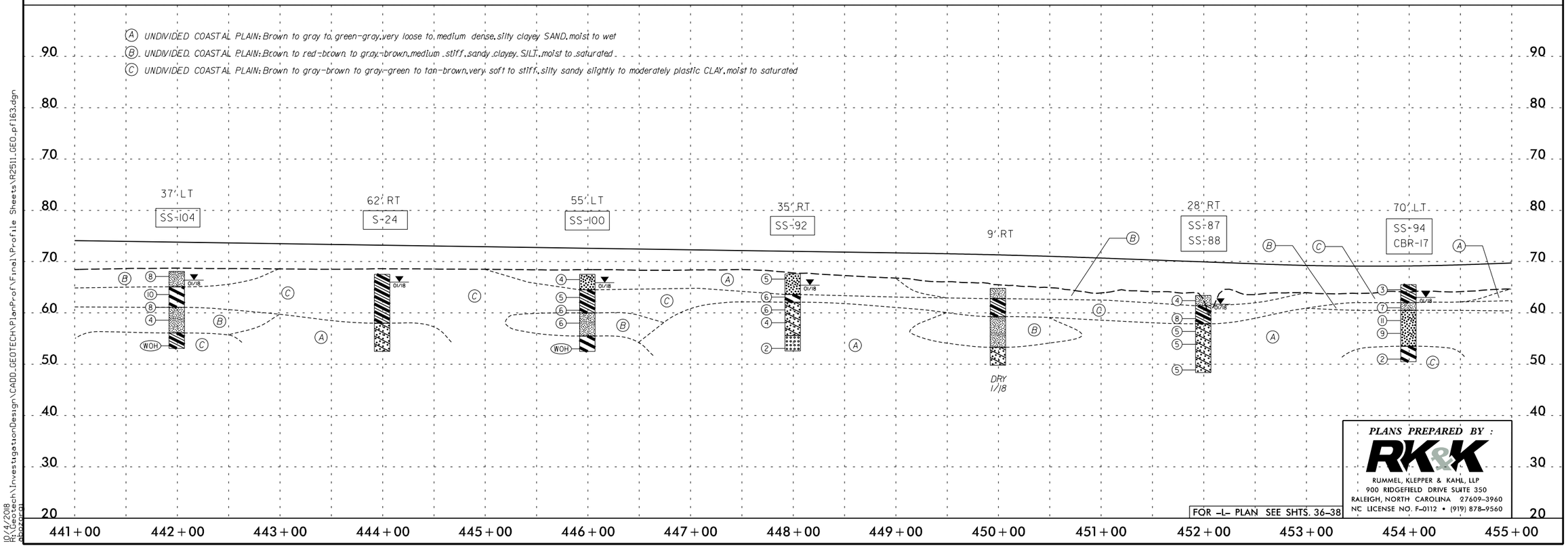
| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 63 |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

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(A) UNDIVIDED COASTAL PLAIN: Red-brown to brown-gray to brown-tan, soft to stiff, silty sandy slightly plastic CLAY, moist to saturated
(B) UNDIVIDED COASTAL PLAIN: Brown to brown-gray to green-gray, very loose to loose, silty clayey fine SAND, moist to saturated
(C) UNDIVIDED COASTAL PLAIN: Brown to gray to gray-red, very soft to stiff, sandy clayey SILT, wet to saturated




FOR -L- PLAN SEE SHTS. 36-38

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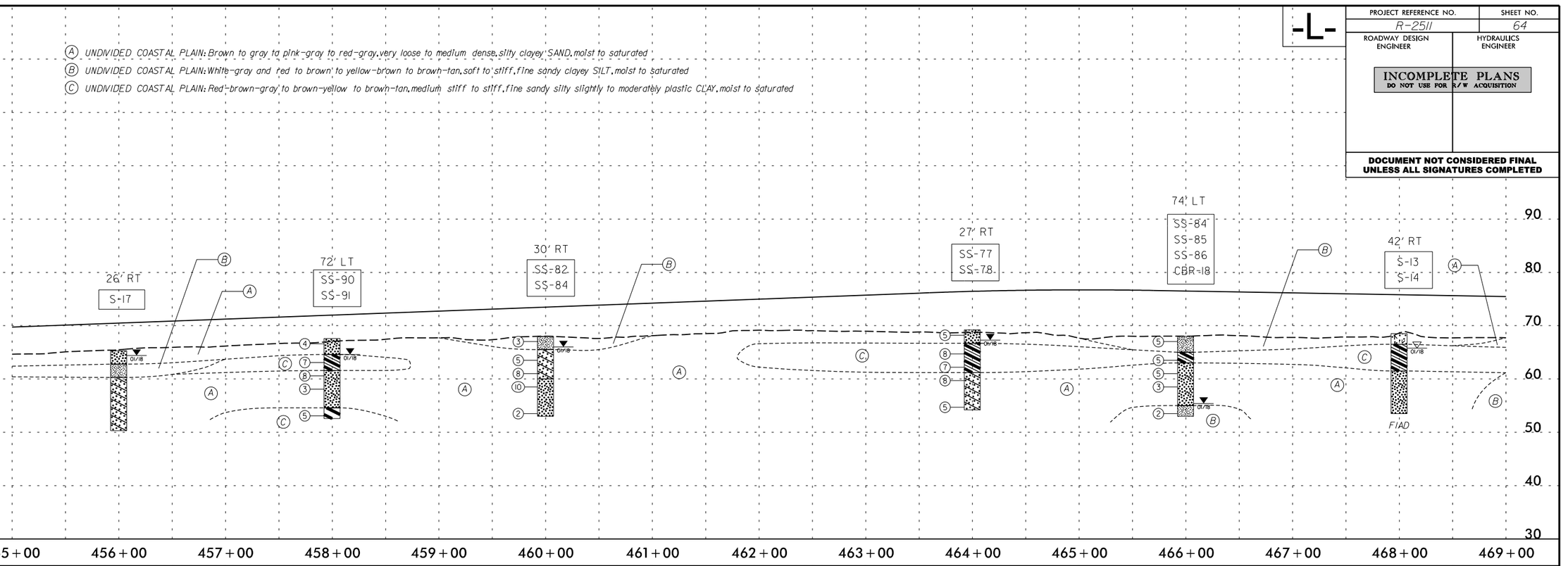
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-L-

(A) UNDIVIDED COASTAL PLAIN: Brown to gray to pink-gray to red-gray, very loose to medium dense, silty clayey SAND, moist to saturated

(B) UNDIVIDED COASTAL PLAIN: White-gray and red to brown to yellow-brown to brown-tan, soft to stiff, fine sandy clayey SILT, moist to saturated

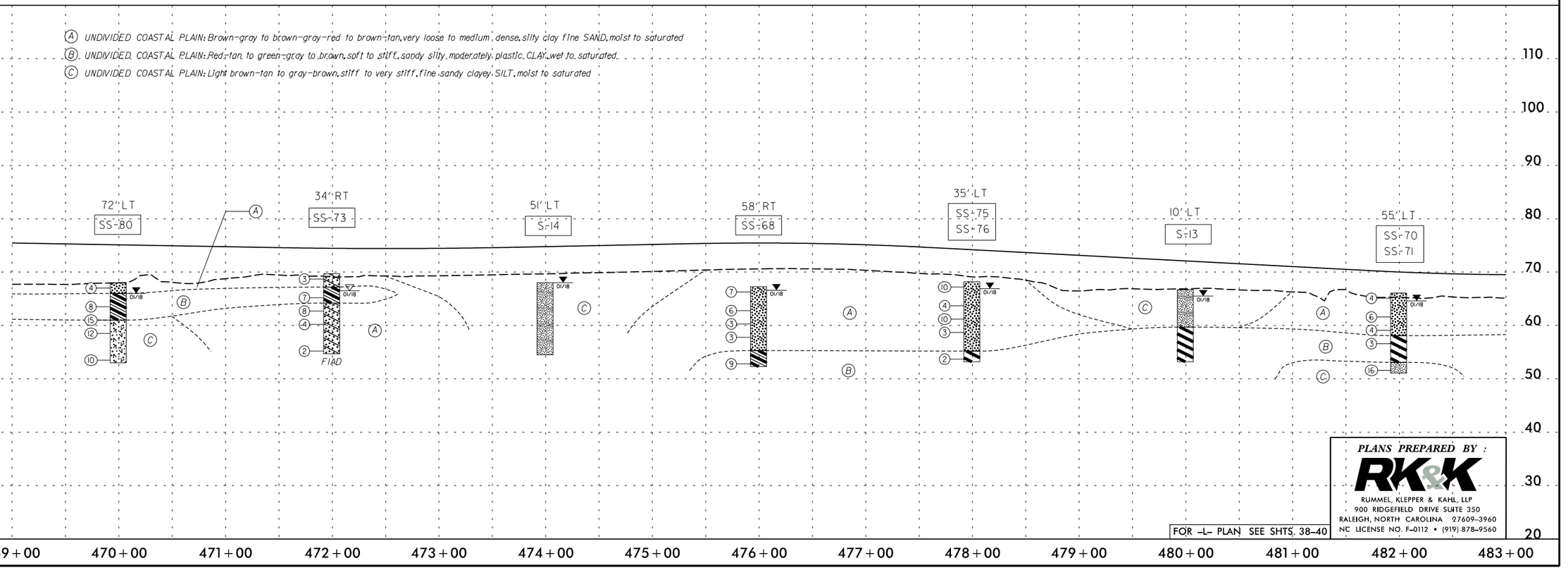
(C) UNDIVIDED COASTAL PLAIN: Red-brown-gray to brown-yellow to brown-tan, medium stiff to stiff, fine sandy silty slightly to moderately plastic CLAY, moist to saturated




(A) UNDIVIDED COASTAL PLAIN: Brown-gray to brown-gray-red to brown-tan, very loose to medium dense, silty clay fine SAND, moist to saturated

(B) UNDIVIDED COASTAL PLAIN: Red-tan to green-gray to brown, soft to stiff, sandy silty moderately plastic CLAY, wet to saturated.

(C) UNDIVIDED COASTAL PLAIN: Light brown-tan to gray-brown, stiff to very stiff, fine sandy clayey SILT, moist to saturated




FOR -L- PLAN SEE SHTS. 38-40

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-L-

(A) UNDIVIDED COASTAL PLAIN: Brown-gray to white to tan-gray, very loose to medium dense, clayey, fine SAND, wet to saturated
(B) UNDIVIDED COASTAL PLAIN: Brown-red to green-gray to gray-brown, very soft to medium stiff, silty sandy moderately plastic CLAY, wet to saturated
(C) UNDIVIDED COASTAL PLAIN: Brown to gray-white to tan-brown, medium stiff to stiff, clayey sandy SILT, moist to saturated

34' LT SS-65 | 35' LT S-12 | 106' RT SS-62 | 30' LT SS-59 SS-61 | 11' LT S-11 | 16' LT SS-55 | 42' RT SS-56I

Pavement

FIAD

120 110 100 90 80 70 60 50 40 30

483+00 484+00 485+00 486+00 487+00 488+00 489+00 490+00 491+00 492+00 493+00 494+00 495+00 496+00 497+00

(A) UNDIVIDED COASTAL PLAIN: Light brown-tan, soft to stiff, fine sandy SILT, moist
(B) UNDIVIDED COASTAL PLAIN: Brown to gray to tan to brown-red-gray, soft to very stiff, sandy silty slightly to highly plastic CLAY, moist to saturated
(C) UNDIVIDED COASTAL PLAIN: Brown-gray to gray-yellow, loose to medium dense, clayey SAND, wet
(D) ROADWAY EMBANKMENT: Brown, soft, fine sandy SILT, wet

15' LT S-9 | 16' LT SS-50 ST-10 | 102' RT SS-57 | 21' LT SS-45 | 8' RT S-6 | 18' LT SS-4I | 32' RT SS-34 SS-35 | 35' LT S-4

DRY 1/18 | DRY 1/18 | FIAD

110 100 90 80 70 60 50 40 30 20

497+00 498+00 499+00 500+00 501+00 502+00 503+00 504+00 505+00 506+00 507+00 508+00 509+00 510+00 511+00

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| R-2511 | 66 |
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(A) ROADWAY EMBANKMENT: Brown, soft, fine sandy SILT, wet
(B) UNDIVIDED COASTAL PLAIN: Yellow-gray to blue-gray to brown-gray, very soft to stiff, sandy silty slightly to moderately plastic CLAY, moist to saturated
(C) UNDIVIDED COASTAL PLAIN: Gray-yellow to brown-gray to blue-gray to tan-gray, very loose to medium dense, clayey silty fine SAND to fine SAND, moist to saturated
(D) UNDIVIDED COASTAL PLAIN: Brown to gray, soft to stiff, sandy clayey SILT, moist to saturated
(E) ROADWAY EMBANKMENT: Brown, loose, clayey fine SAND, moist

62' RT SS-252 ST-11 | 35' LT SS-30 | 39' RT S-9 | 61' LT SS-24 | 23' RT SS-51 | 16' RT S-6 S-7 | 35' RT SS-46 SS-47

FIAD

511+00 512+00 513+00 514+00 515+00 516+00 517+00 518+00 519+00 520+00 521+00 522+00 523+00 524+00 525+00

(A) UNDIVIDED COASTAL PLAIN: Brown to brown-gray, stiff, fine sandy SILT, moist
(B) UNDIVIDED COASTAL PLAIN: Brown to yellow-gray to gray, medium stiff to stiff, sandy silty slightly to moderately plastic CLAY, trace organics, moist to wet
(C) UNDIVIDED COASTAL PLAIN: Orange-brown to tan to yellow-brown to orange-gray, loose to medium dense, silty clayey SAND, dry to wet

33' RT S-3 | 17' RT SS-42 | 10' RT SS-37 | 12' RT SS-31 | 24' RT SS-2

525+00 526+00 527+00 528+00 529+00 530+00 531+00 532+00 533+00 534+00 535+00 536+00 537+00 538+00 539+00

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| R-2511 | 67 |
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(A) UNDIVIDED COASTAL PLAIN: Tan to yellow-brown to gray to blue-gray, loose to medium dense, silty clayey fine SAND, dry to wet

(B) UNDIVIDED COASTAL PLAIN: Yellow-brown and yellow-gray to gray to gray-brown, medium stiff to stiff, fine sandy to silty slightly to highly plastic CLAY, moist to saturated

(C) UNDIVIDED COASTAL PLAIN: Brown to gray-brown to yellow, soft to medium stiff, sandy clayey SILT, moist to wet

25' RT
DRY 1/18

17' RT
SS-8
SS-11

38' RT
SS-16

80' LT
S-12

40' RT
SS-22

80' RT
SS-26
SS-27
SS-28
SS-30

20' RT

60' LT
SS-20

SS-580
Pavement
FILL

UNDIVIDED COASTAL PLAIN: Brown-dark to gray to white to light brown to brown-orange, loose to medium dense, clayey silty SAND, moist to saturated

FOR -L- PLAN SEE SHTS. 45-47

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-L-

(A) ROADWAY EMBANKMENT: Brown, loose, silty SAND, moist, trace organics
(B) UNDIVIDED COASTAL PLAIN: Brown to brown-gray to dark-gray, very loose to loose, silty clayey fine SAND, moist to saturated
(C) UNDIVIDED COASTAL PLAIN: Gray-brown to brown, soft to medium stiff, sandy clayey SILT, wet to saturated
(D) UNDIVIDED COASTAL PLAIN: Dark brown, very soft, silty CLAY, saturated

58' LT
S-18
01/18

18' LT
SS-585
9
5
4
2
2
DRY
FIAD
2/18

6' LT
SS-15
5
4
WOH
1
8
01/18

SBL

80 70 60 50 40 30 20 10 0 –10

557+00 558+00 559+00 560+00 561+00 562+00 563+00 564+00 565+00 566+00 567+00 568+00 569+00 570+00 571+00

-L-

(A) ROADWAY EMBANKMENT: Brown to brown-gray, loose, silty clayey SAND, moist
(B) UNDIVIDED COASTAL PLAIN: Gray-white to brown-white to dark gray to brown-tan-gray, very loose to loose, silty clayey fine SAND, moist to saturated
(C) UNDIVIDED COASTAL PLAIN: Gray, soft, sandy slightly plastic CLAY, saturated
(D) UNDIVIDED COASTAL PLAIN: Dark gray to brown-gray to green, very soft to stiff, sandy clayey SILT, wet to saturated

55' RT
SS-2
4
8
2
5
3
3
13
01/18

5' RT
01/18

6' RT
SS-11
9
6
2
7
8
01/18

NBL

80 70 60 50 40 30 20 10 0 –10

557+00 558+00 559+00 560+00 561+00 562+00 563+00 564+00 565+00 566+00 567+00 568+00 569+00 570+00 571+00

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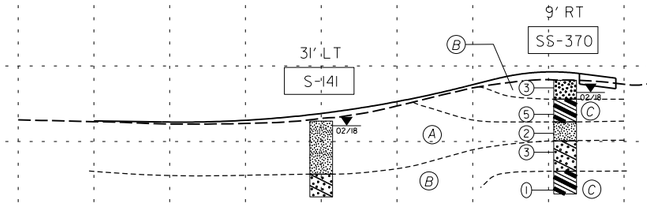
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## -Y1-

Ⓐ UNDIVIDED COASTAL PLAIN: Dark brown to blue-gray, soft, fine sandy clayey SILT, moist to wet

Ⓑ UNDIVIDED COASTAL PLAIN: Tan-brown to green-gray, very loose, clayey fine SAND, moist to wet

Ⓒ UNDIVIDED COASTAL PLAIN: Gray-brown to green-gray, very soft to medium stiff, fine sandy silty slightly plastic CLAY, wet

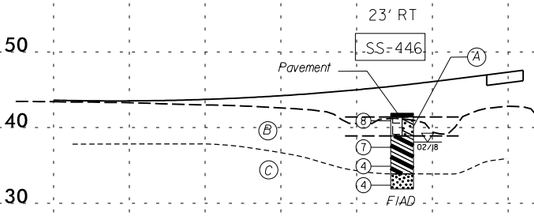



## -Y2-

Ⓐ ROADWAY EMBANKMENT: Brown, loose, silty clayey fine SAND, moist

Ⓑ UNDIVIDED COASTAL PLAIN: Gray, medium stiff, silty moderately plastic CLAY, wet to saturated

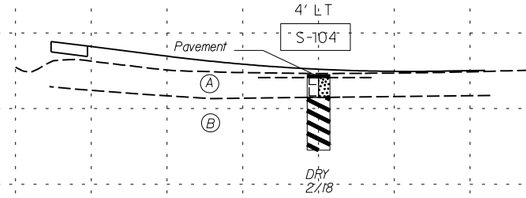
Ⓒ UNDIVIDED COASTAL PLAIN: Gray, loose, silty SAND, saturated




## -Y3-

Ⓐ ROADWAY EMBANKMENT: Brown, medium dense, silty SAND, moist

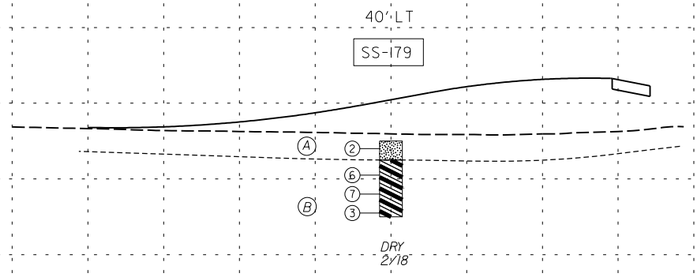
Ⓑ UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff to stiff, silty highly plastic CLAY, wet to saturated




## -Y4-

Ⓐ UNDIVIDED COASTAL PLAIN: Brown, soft, clayey fine sandy SILT, wet

Ⓑ UNDIVIDED COASTAL PLAIN: Brown to brown-gray, soft to medium stiff, silty CLAY, wet

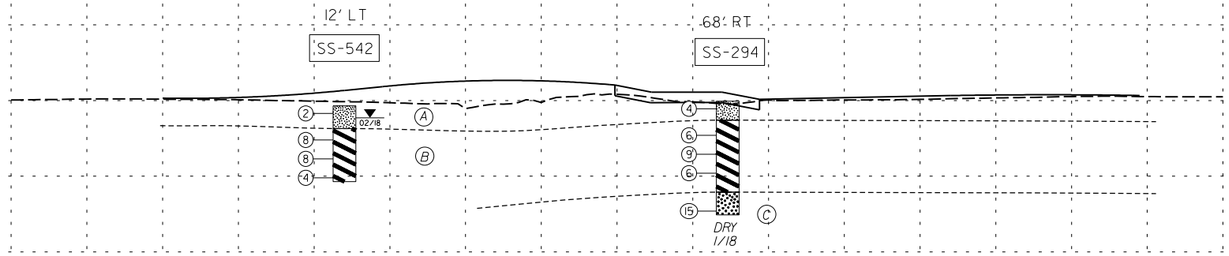



## -Y5-

Ⓐ UNDIVIDED COASTAL PLAIN: Brown to brown-gray, soft to medium stiff, sandy clayey SILT, moist to wet

Ⓑ UNDIVIDED COASTAL PLAIN: Gray to red-gray to brown-gray, medium stiff to stiff, silty sandy CLAY, moist to wet

Ⓒ UNDIVIDED COASTAL PLAIN: Gray, medium dense, silty fine SAND, wet




FOR -Y1- PLAN SEE SHT. 4
FOR -Y2- PLAN SEE SHT. 7
FOR -Y3- PLAN SEE SHT. 13
FOR -Y4- PLAN SEE SHT. 15
FOR -Y5- PLAN SEE SHT. 19


PLANS PREPARED BY :
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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 70 |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

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## -Y6-

Ⓐ UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, silty moderately plastic CLAY, wet

30' LT
S-25

01/18

## -Y7-

Ⓐ UNDIVIDED COASTAL PLAIN: Brown, soft, sandy SILT, moist

Ⓑ UNDIVIDED COASTAL PLAIN: Gray-orange to brown-gray, medium stiff to stiff, silty sandy moderately plastic CLAY, wet

ROADWAY EMBANKMENT

SS-571

3
7
8
7

02/18

## -Y8-

Ⓐ ROADWAY EMBANKMENT: Brown, medium dense, clayey SAND, moist

Ⓑ ROADWAY EMBANKMENT: Brown, stiff, sandy silty slightly plastic CLAY, wet

Ⓒ UNDIVIDED COASTAL PLAIN: Brown, very loose, silty fine SAND, moist

Ⓓ UNDIVIDED COASTAL PLAIN: Brown-gray to orange, soft to stiff, silty sandy slightly to highly plastic CLAY, wet

Ⓔ UNDIVIDED COASTAL PLAIN: Brown-gray, loose to medium dense, clayey fine SAND, wet

71' RT
SS-57

3
2
2
6
13

01/18

8' RT
SS-567
SS-568

13
12
12
9

DRY
FIAD
2/18

## -Y9-

Ⓐ UNDIVIDED COASTAL PLAIN: Brown, medium stiff, fine sandy SILT, moist

Ⓑ UNDIVIDED COASTAL PLAIN: Brown-gray to yellow-gray to tan-gray, loose to medium dense, clayey fine SAND to fine SAND, moist to wet

69' RT
SS-46
SS-47

5
11
7
6
12

01/18

FIAD
1/18

FOR -Y6- PLAN SEE SHT. 33
FOR -Y7- PLAN SEE SHT. 42
FOR -Y8- PLAN SEE SHT. 42
FOR -Y9- PLAN SEE SHT. 44

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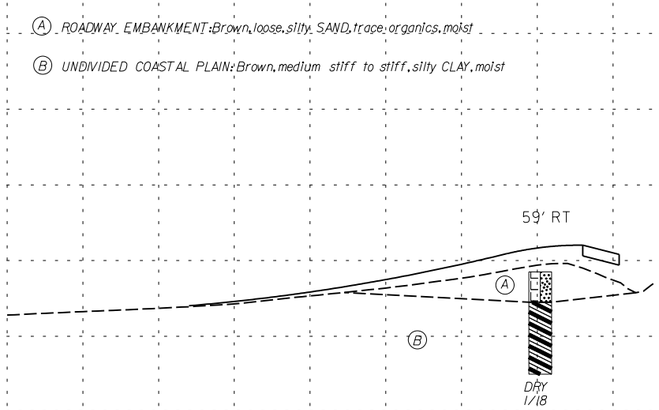
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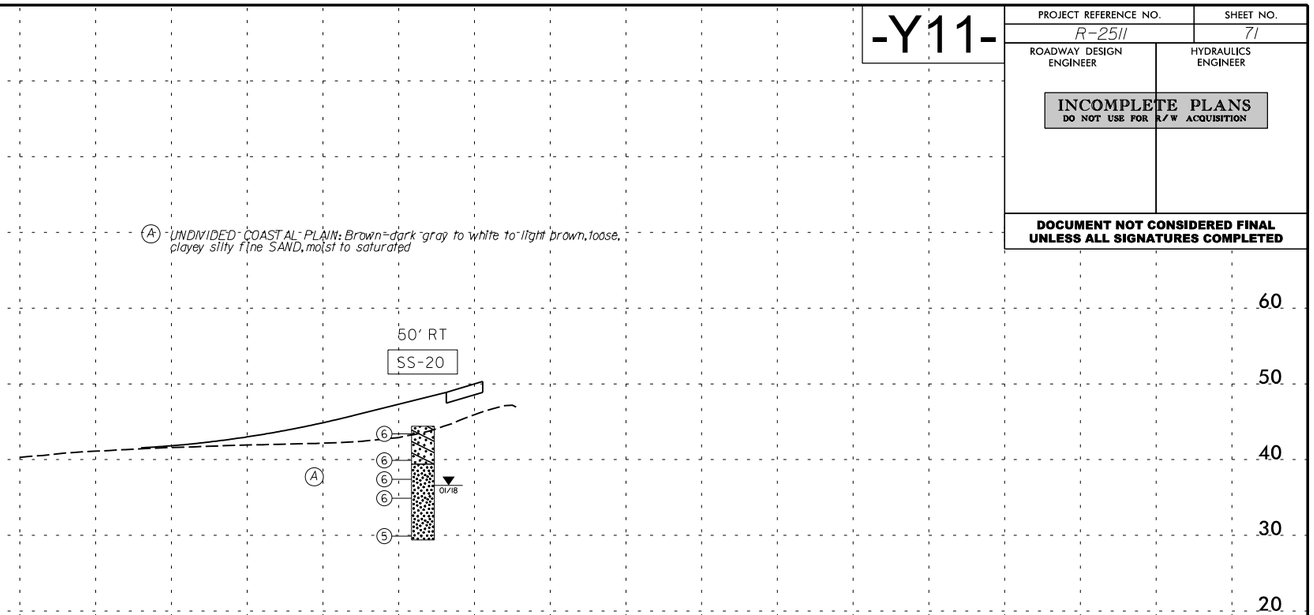
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# -Y10-




# -Y11-




| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 71 |

ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

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FOR –Y10– PLAN SEE SHT. 45
FOR –Y11– PLAN SEE SHT. 46

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 72 |

UNDIVIDED COASTAL PLAIN: Brown, medium stiff, fine sandy slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray to orange-tan, very loose to loose, clayey fine SAND, wet

## 9+00.00

UNDIVIDED COASTAL PLAIN: Brown, medium stiff, fine sandy slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray to orange-tan, very loose to loose, clayey fine SAND, wet

## 8+50.00

SS-380
CBR-I

(5)
(5)
(5)
(5)
(3)

02/18

UNDIVIDED COASTAL PLAIN: Brown, medium stiff, fine sandy slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray to orange-tan, very loose to loose, clayey fine SAND, wet

## 8+00.00

UNDIVIDED COASTAL PLAIN: Brown, medium stiff, fine sandy slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray to orange-tan, very loose to loose, clayey fine SAND, wet

## 7+50.00

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 73 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

50
40
30

UNDIVIDED COASTAL PLAIN: Gray-yellow, medium stiff to stiff, fine sandy moderately plastic CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Tan-yellow to green-gray, very loose, clayey fine SAND, wet

10+50.00

60
50
40
30
20

SS-374

02/18

5
8
3
2
3

UNDIVIDED COASTAL PLAIN: Gray-yellow, medium stiff to stiff, fine sandy moderately plastic CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Tan-yellow to green-gray, very loose, clayey fine SAND, wet

10+00.00

50
40
30

UNDIVIDED COASTAL PLAIN: Gray-yellow, medium stiff to stiff, fine sandy moderately plastic CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Tan-yellow to green-gray, very loose, clayey fine SAND, wet

9+50.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 74 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

50 40 30 20

Ⓐ ROADWAY EMBANKMENT: Dark brown, medium stiff to stiff, sandy silty slightly plastic CLAY, moist

S-132'

Ⓐ

02/18

UNDIVIDED COASTAL PLAIN: Dark brown, medium stiff to stiff, sandy silty slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Tan to green-gray, very loose to loose, clayey fine SAND, moist to wet

**12 + 00.00**

Ⓐ ROADWAY EMBANKMENT: Dark brown, medium stiff to stiff, sandy silty slightly plastic CLAY, moist

Ⓐ

UNDIVIDED COASTAL PLAIN: Dark brown, medium stiff to stiff, sandy silty slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Tan to green-gray, very loose to loose, clayey fine SAND, moist to wet

**11 + 50.00**

UNDIVIDED COASTAL PLAIN: Gray-yellow, medium stiff to stiff, fine sandy moderately plastic CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Tan-yellow to green-gray, very loose, clayey fine SAND, wet

**11 + 00.00**

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 75 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

50 40 30 20

Ⓐ ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Tan-brown, very loose, silty fine SAND, moist

UNDIVIDED COASTAL PLAIN: Gray-brown, medium stiff, fine sandy slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Blue-gray, soft, clayey SILT, wet

UNDIVIDED COASTAL PLAIN: Green-gray, very loose, clayey fine SAND, wet

UNDIVIDED COASTAL PLAIN: Green-gray, very soft, sandy silty CLAY, wet

13+50.00

Ⓐ ROADWAY EMBANKMENT: Dark brown, medium stiff to stiff, sandy silty slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Dark brown, medium stiff to stiff, sandy silty slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Tan to green-gray, very loose to loose, clayey fine SAND, moist to wet

13+00.00

Ⓐ ROADWAY EMBANKMENT: Dark brown, medium stiff to stiff, sandy silty slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Dark brown, medium stiff to stiff, sandy silty slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Tan to green-gray, very loose to loose, clayey fine SAND, moist to wet

12+50.00



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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 76 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

50 40 30 20 10

"UNDIVIDED "COASTAL" PLAIN: Orange-gray, very loose to loose, silty clayey fine SAND, moist to wet"

5 4 2 3 2

DRY
2/18

16+00.00

60 50 40 30 20

SS-370
CBR-2

3 5 2 3 1

02/18

A UNDIVIDED COASTAL PLAIN: Tan-brown, very loose, silty fine SAND, moist

UNDIVIDED COASTAL PLAIN: Gray-brown, medium stiff, fine sandy, slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Blue-gray, soft, clayey SILT, wet

UNDIVIDED COASTAL PLAIN: Green-gray, very loose, clayey fine SAND, wet

UNDIVIDED COASTAL PLAIN: Green-gray, very soft, sandy silty CLAY, wet

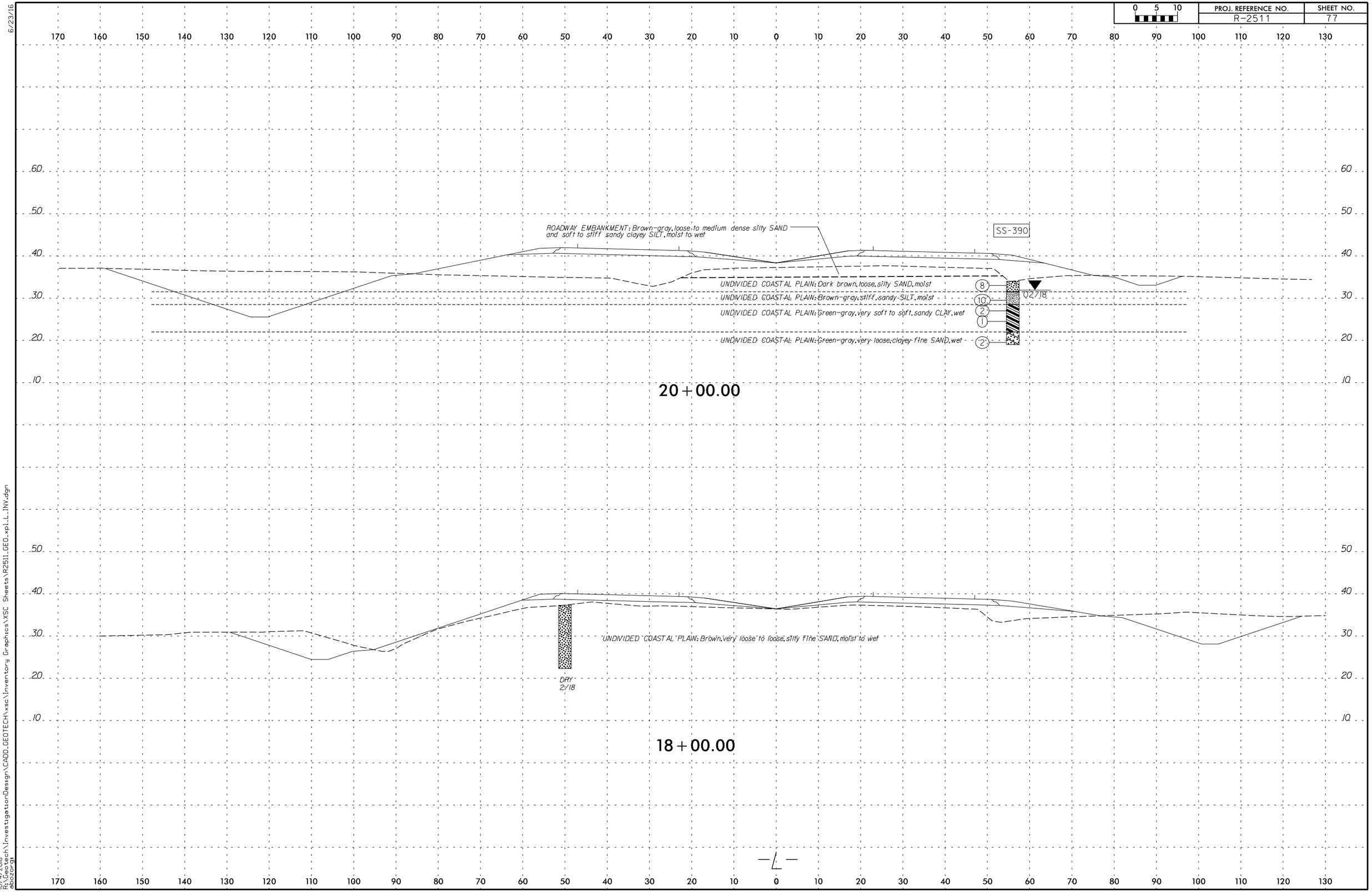
14+00.00



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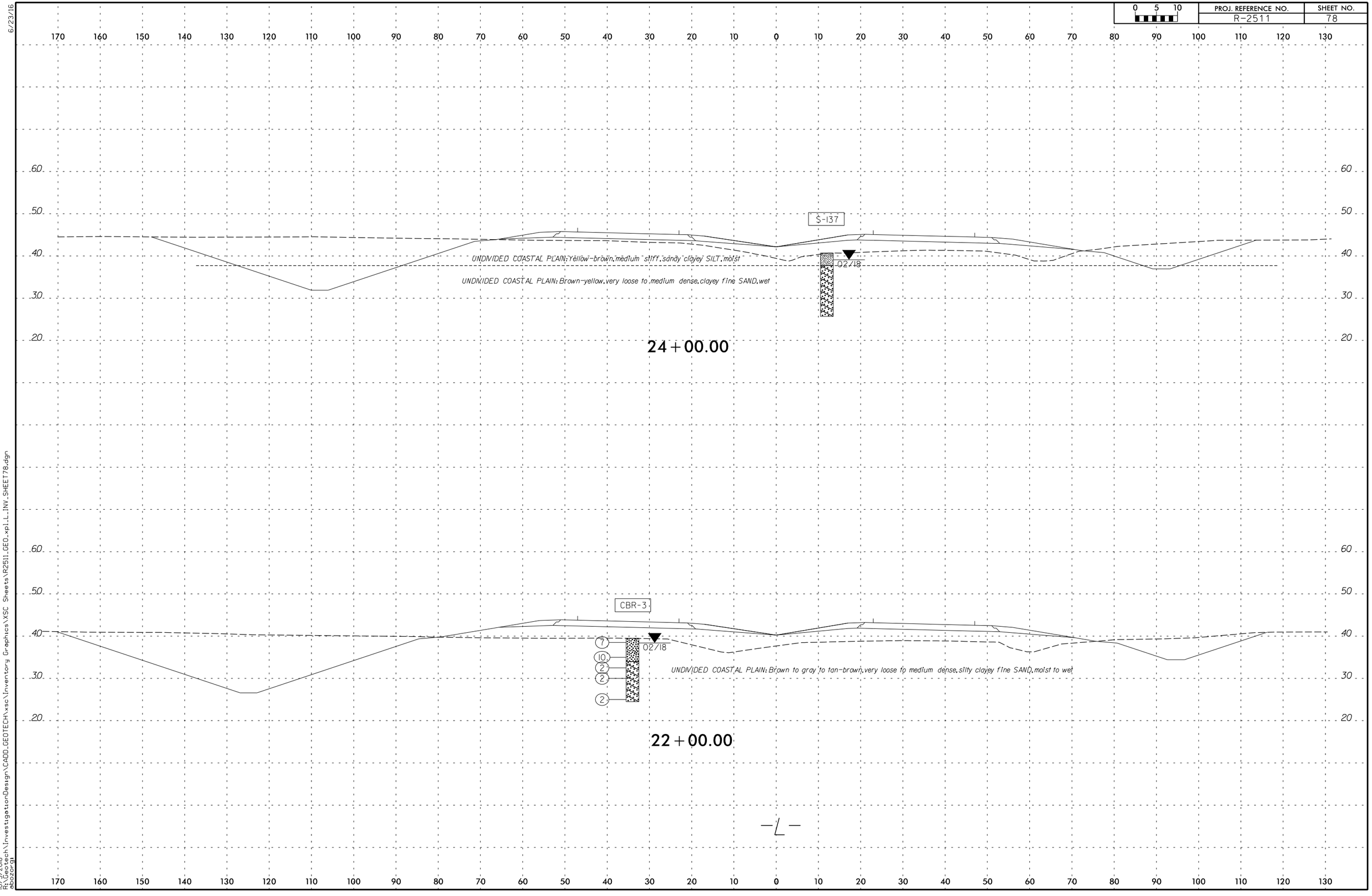
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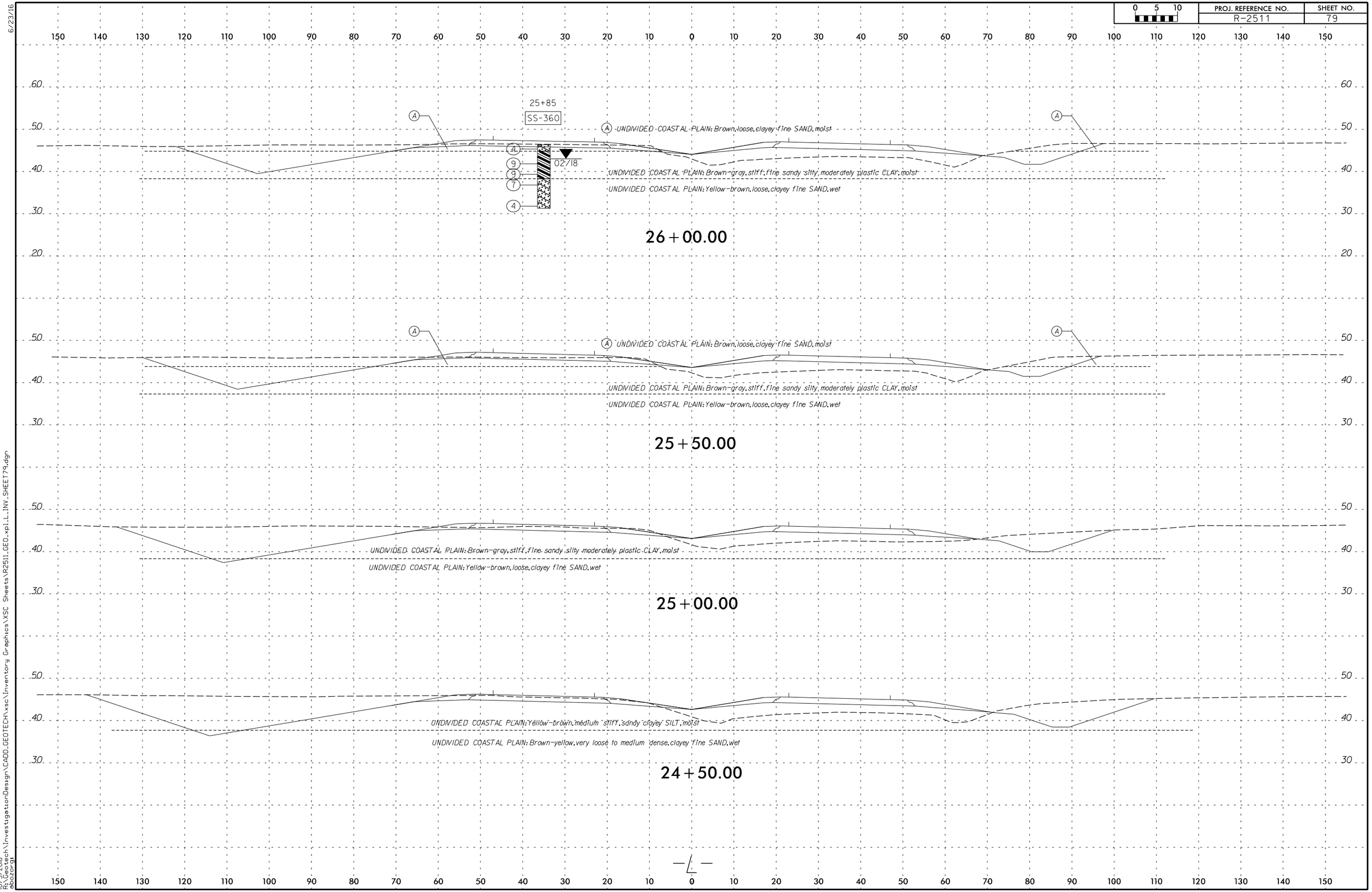
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| | R-2511 | 78 |




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|---|---|---|
| | R-2511 | 79 |



6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 80 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60
50
40
30

Ⓐ ROADWAY EMBANKMENT: Brown, loose, silty fine SAND, moist

UNDIVIDED COASTAL PLAIN: Gray, stiff, sandy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Orange-gray to gray, very loose to loose, clayey fine SAND, wet

**27 + 50.00**

UNDIVIDED COASTAL PLAIN: Brown-gray, stiff, fine sandy silty moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Yellow-brown, loose, clayey fine SAND, wet

**27 + 00.00**

Ⓐ UNDIVIDED COASTAL PLAIN: Brown, loose, clayey fine SAND, moist

UNDIVIDED COASTAL PLAIN: Brown-gray, stiff, fine sandy silty moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Yellow-brown, loose, clayey fine SAND, wet

**26 + 50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 81 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30

(A) ROADWAY EMBANKMENT: Brown, loose, silty fine SAND, moist

UNDIVIDED COASTAL PLAIN: Gray, stiff, sandy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Orange-gray to gray, very loose to loose, clayey fine SAND, wet

**29 + 00.00**

60 50 40 30

(A) ROADWAY EMBANKMENT: Brown, loose, silty fine SAND, moist

UNDIVIDED COASTAL PLAIN: Gray, stiff, sandy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Orange-gray to gray, very loose to loose, clayey fine SAND, wet

**28 + 50.00**

60 50 40 30 20

(A) ROADWAY EMBANKMENT: Brown, loose, silty fine SAND, moist

SS-395

9 10 4 3 5

02/18

UNDIVIDED COASTAL PLAIN: Gray, stiff, sandy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Orange-gray to gray, very loose to loose, clayey fine SAND, wet

**28 + 00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 82 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60
50
40
30
20

(A) UNDIVIDED COASTAL PLAIN: Brown, medium stiff, fine sandy clayey SILT, moist

(A)

UNDIVIDED COASTAL PLAIN: Yellow-brown to gray-brown, medium stiff to stiff, fine sandy CLAY, moist

UNDIVIDED COASTAL PLAIN: Brown-gray, very loose to medium dense, clayey fine SAND, wet

**30 + 50.00**

(A) UNDIVIDED COASTAL PLAIN: Brown, medium stiff, fine sandy clayey SILT, moist

(A)

02/18

UNDIVIDED COASTAL PLAIN: Yellow-brown to gray-brown, medium stiff to stiff, fine sandy CLAY, moist

UNDIVIDED COASTAL PLAIN: Brown-gray, very loose to medium dense, clayey fine SAND, wet

**30 + 00.00**

(A) UNDIVIDED COASTAL PLAIN: Brown, medium stiff, fine sandy clayey SILT, moist

(A)

UNDIVIDED COASTAL PLAIN: Yellow-brown to gray-brown, medium stiff to stiff, fine sandy CLAY, moist

UNDIVIDED COASTAL PLAIN: Brown-gray, very loose to medium dense, clayey fine SAND, wet

**29 + 50.00**

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 83 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30 20

31+76

SS-400

02/18

(A) ROADWAY EMBANKMENT: Dark brown, loose, silty fine SAND, moist

UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff, fine sandy silty, highly plastic CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Gray to brown, very loose to loose, silty fine to coarse SAND, wet

7 7 5 3 6

**32 + 00.00**

(A) ROADWAY EMBANKMENT: Dark brown, loose, silty fine SAND, moist

UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff, fine sandy silty, highly plastic CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Gray to brown, very loose to loose, silty fine to coarse SAND, wet

**31 + 50.00**

(A) ROADWAY EMBANKMENT: Dark brown, loose, silty fine SAND, moist

UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff, fine sandy silty, highly plastic CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Gray to brown, very loose to loose, silty fine to coarse SAND, wet

**31 + 00.00**

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 84 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

50
40
30

UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff to stiff, sandy silty slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray to gray-brown, loose, clayey fine SAND, wet

**33 + 50.00**

60
50
40
30

UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff, fine sandy silty, highly plastic CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Gray to brown, very loose to loose, silty fine to coarse SAND, wet

**33 + 00.00**

60
50
40
30

UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff, fine sandy silty, highly plastic CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Gray to brown, very loose to loose, silty fine to coarse SAND, wet

**32 + 50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 85 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

50
40
30

UNDIVIDED COASTAL PLAIN: Dark brown, medium stiff, fine sandy clayey SILT, wet

UNDIVIDED COASTAL PLAIN: Red-brown, soft to stiff, silty CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, very loose to loose, clayey fine SAND, wet

**35 + 50.00**

50
40
30

UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff to stiff, sandy silty slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray to gray-brown, loose, clayey fine SAND, wet

**35 + 00.00**

50
40
30

UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff to stiff, sandy silty slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray to gray-brown, loose, clayey fine SAND, wet

**34 + 50.00**

60
50
40
30
20

SS-349

(5) (9) (4) (4) (5) 02/18

UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff to stiff, sandy silty slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray to gray-brown, loose, clayey fine SAND, wet

**34 + 00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 86 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

50
40
30
20

UNDIVIDED COASTAL PLAIN: Dark brown, medium stiff, fine sandy clayey SILT, wet
UNDIVIDED COASTAL PLAIN: Red-brown, soft to stiff, silty CLAY, wet
UNDIVIDED COASTAL PLAIN: Gray, very loose to loose, clayey fine SAND, wet

**37 + 00.00**

50
40
30

UNDIVIDED COASTAL PLAIN: Dark brown, medium stiff, fine sandy clayey SILT, wet
UNDIVIDED COASTAL PLAIN: Red-brown, soft to stiff, silty CLAY, wet
UNDIVIDED COASTAL PLAIN: Gray, very loose to loose, clayey fine SAND, wet

**36 + 50.00**

70
60
50
40
30
20

35+85
S-143
CBR-4

UNDIVIDED COASTAL PLAIN: Dark brown, medium stiff, fine sandy clayey SILT, wet
UNDIVIDED COASTAL PLAIN: Red-brown, soft to stiff, silty CLAY, wet
UNDIVIDED COASTAL PLAIN: Gray, very loose to loose, clayey fine SAND, wet

02/18

FIAD

**36 + 00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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|---|---|---|
| | R-2511 | 87 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

50 40 30

UNDIVIDED COASTAL PLAIN: Gray-brown, soft to stiff, fine sandy silty slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Brown-gray to green-gray, loose, clayey, silty fine SAND, wet

**39 + 00.00**

50 40 30

UNDIVIDED COASTAL PLAIN: Gray-brown, soft to stiff, fine sandy silty slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Brown-gray to green-gray, loose, clayey, silty fine SAND, wet

**38 + 50.00**

60 50 40 30 20

SS-354

2
11
6
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02/18

UNDIVIDED COASTAL PLAIN: Gray-brown, soft to stiff, fine sandy silty slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Brown-gray to green-gray, loose, clayey, silty fine SAND, wet

**38 + 00.00**

50 40 30

UNDIVIDED COASTAL PLAIN: Gray-brown, soft to stiff, fine sandy silty slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Brown-gray to green-gray, loose, clayey, silty fine SAND, wet

**37 + 50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 88 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30

Ⓐ UNDIVIDED COASTAL PLAIN: Brown, loose, silty fine SAND, moist

UNDIVIDED COASTAL PLAIN: Gray, stiff, sandy silty moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray to blue-gray, very loose to loose, clayey fine SAND, wet

**40 + 50.00**

60 50 40 30 20

Ⓐ UNDIVIDED COASTAL PLAIN: Brown, loose, silty fine SAND, moist

SS-405

5 8 3 2 4

02/18

UNDIVIDED COASTAL PLAIN: Gray, stiff, sandy silty moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray to blue-gray, very loose to loose, clayey fine SAND, wet

**40 + 00.00**

60 50 40 30

Ⓐ UNDIVIDED COASTAL PLAIN: Brown, loose, silty fine SAND, moist

UNDIVIDED COASTAL PLAIN: Gray, stiff, sandy silty moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray to blue-gray, very loose to loose, clayey fine SAND, wet

**39 + 50.00**



150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 89 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30 20

S-118
S-119

02/18

Ⓐ UNDIVIDED COASTAL PLAIN: Tan, medium stiff, sandy clayey SILT, moist

UNDIVIDED COASTAL PLAIN: Brown to brown-gray, soft to stiff, sandy silty moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Green-gray, very-loose-to loose, clayey fine SAND, wet

**42+00.00**

Ⓐ UNDIVIDED COASTAL PLAIN: Tan, medium stiff, sandy clayey SILT, moist

UNDIVIDED COASTAL PLAIN: Brown to brown-gray; soft to stiff, sandy silty-moderately plastic CLAY; moist

UNDIVIDED COASTAL PLAIN: Green gray, very loose to loose, clayey fine SAND, wet

**41+50.00**

Ⓐ UNDIVIDED COASTAL PLAIN: Tan, medium stiff, sandy clayey SILT, moist

UNDIVIDED COASTAL PLAIN: Brown to brown-gray; soft to stiff, sandy silty-moderately plastic CLAY; moist

UNDIVIDED COASTAL PLAIN: Green gray, very loose to loose, clayey fine SAND, wet

**41+00.00**



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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 90 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60
50
40
30
20

UNDIVIDED COASTAL PLAIN: Yellow-brown to gray, medium stiff to stiff, fine sandy silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Green-gray to gray, very loose to loose, clayey fine SAND, wet

**43 + 50.00**

60
50
40
30
20

UNDIVIDED COASTAL PLAIN: Yellow-brown to gray, medium stiff to stiff, fine sandy silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Green-gray to gray, very loose to loose, clayey fine SAND, wet

**43 + 00.00**

60
50
40
30
20

(A) UNDIVIDED COASTAL PLAIN: Tan, medium stiff, sandy clayey SILT, moist

UNDIVIDED COASTAL PLAIN: Brown to brown-gray, soft to stiff, sandy silty moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Green-gray, very-loose-to loose, clayey fine SAND, wet

**42 + 50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 91 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30

UNDIVIDED COASTAL PLAIN: Yellow-brown to gray, medium stiff to stiff, fine sandy silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Green-gray to gray, very loose to loose, clayey fine SAND, wet

**45+00.00**

60 50 40 30

UNDIVIDED COASTAL PLAIN: Yellow-brown to gray, medium stiff to stiff, fine sandy silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Green-gray to gray, very loose to loose, clayey fine SAND, wet

**44+50.00**

70 60 50 40 30 20

SS-409
SS-410

4
11
4
2
5

02/18

UNDIVIDED COASTAL PLAIN: Yellow-brown to gray, medium stiff to stiff, fine sandy silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Green-gray to gray, very loose to loose, clayey fine SAND, wet

**44+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 92 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30

UNDIVIDED COASTAL PLAIN: Brown-gray to red-gray, medium stiff to stiff, fine sandy silty slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Blue-gray, loose, clayey fine SAND, wet

**46 + 50.00**

SS-344

5
8
5
4
4

02/18

UNDIVIDED COASTAL PLAIN: Brown-gray to red-gray, medium stiff to stiff, fine sandy silty slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Blue-gray, loose, clayey fine SAND, wet

**46 + 00.00**

UNDIVIDED COASTAL PLAIN: Brown-gray to red-gray, medium stiff to stiff, fine sandy silty slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Blue-gray, loose, clayey fine SAND, wet

**45 + 50.00**

60 50 40 30 20

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 93 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30 20

S-90

02/18

UNDIVIDED COASTAL PLAIN: Brown, soft to stiff, sandy highly plastic CLAY, wet to saturated

**48+00.00**

60 50 40 30

UNDIVIDED COASTAL PLAIN: Brown, soft to stiff, sandy highly plastic CLAY, wet to saturated

**47+50.00**

60 50 40 30

UNDIVIDED COASTAL PLAIN: Brown, soft to stiff, sandy highly plastic CLAY, wet to saturated

**47+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 94 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30

Ⓐ ROADWAY EMBANKMENT: Brown, loose, silty fine SAND, moist

UNDIVIDED COASTAL PLAIN: Brown-gray, stiff, fine sandy highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Brown-gray to yellow-brown, loose, clayey fine SAND, wet

**49 + 50.00**

UNDIVIDED COASTAL PLAIN: Brown, soft to stiff, sandy highly plastic CLAY, wet to saturated

**49 + 00.00**

UNDIVIDED COASTAL PLAIN: Brown, soft to stiff, sandy highly plastic CLAY, wet to saturated

**48 + 50.00**

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 95 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60
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Ⓐ ROADWAY EMBANKMENT: Brown, loose, silty fine SAND, moist

UNDIVIDED COASTAL PLAIN: Brown-gray, stiff, fine sandy, highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Brown-gray to yellow-brown, loose, clayey fine SAND, wet

**51+00.00**

Ⓐ ROADWAY EMBANKMENT: Brown, loose, silty fine SAND, moist

UNDIVIDED COASTAL PLAIN: Brown-gray, stiff, fine sandy, highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Brown-gray to yellow-brown, loose, clayey fine SAND, wet

**50+50.00**

SS-415

Ⓐ ROADWAY EMBANKMENT: Brown, loose, silty fine SAND, moist

8
10
7
5
6

02/18

UNDIVIDED COASTAL PLAIN: Brown-gray, stiff, fine sandy, highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Brown-gray to yellow-brown, loose, clayey fine SAND, wet

**50+00.00**

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 96 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60
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30
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SS-441

7
7
4
4
WOH

02/18

UNDIVIDED COASTAL PLAIN: Brown to gray-brown, medium stiff, sandy SILT, moist to saturated

UNDIVIDED COASTAL PLAIN: Brown-orange, very loose, silty SAND, saturated

52+00.00

50
40
30
20

UNDIVIDED COASTAL PLAIN: Brown to gray-brown, medium stiff, sandy SILT, moist to saturated

UNDIVIDED COASTAL PLAIN: Brown-orange, very loose, silty SAND, saturated

51+50.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 97 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30 20 10

Ⓐ ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

Ⓑ UNDIVIDED COASTAL PLAIN: Brown-gray, soft, clayey SILT, moist

SS-419

3 02/18
18
6
3
WOH
3

UNDIVIDED COASTAL PLAIN: Gray to blue-gray, medium stiff to very stiff, sandy CLAY, moist

UNDIVIDED COASTAL PLAIN: Blue-gray, very loose, clayey, fine SAND, wet

UNDIVIDED COASTAL PLAIN: Green-gray, very soft to soft, sandy CLAY, wet

**56 + 00.00**

SS-246
ST-1

Ⓐ ROADWAY EMBANKMENT: Brown, loose, silty fine SAND, moist

Ⓑ UNDIVIDED COASTAL PLAIN: Gray-brown, soft, sandy clayey SILT, wet

5 WOH
2
1
6
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7

UNDIVIDED COASTAL PLAIN: Gray, medium stiff, silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Green-gray, loose, silty fine SAND, wet

**54 + 50.00**

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 98 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

50
40
30

UNDIVIDED COASTAL PLAIN: Gray-brown, medium stiff, fine sandy clayey SILT, moist

UNDIVIDED COASTAL PLAIN: Brown-gray to green-gray, soft to stiff, fine sandy moderately plastic CLAY, moist to wet

**59+00.00**

50
40
30

UNDIVIDED COASTAL PLAIN: Gray-brown, medium stiff, fine sandy clayey SILT, moist

UNDIVIDED COASTAL PLAIN: Brown-gray to green-gray, soft to stiff, fine sandy moderately plastic CLAY, moist to wet

**58+50.00**

60
50
40
30
20

SS-425
SS-426

4
11
6
2
3

02218

UNDIVIDED COASTAL PLAIN: Gray-brown, medium stiff, fine sandy clayey SILT, moist

UNDIVIDED COASTAL PLAIN: Brown-gray to green-gray, soft to stiff, fine sandy moderately plastic CLAY, moist to wet

**58+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 99 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

50
40
30

UNDIVIDED COASTAL PLAIN: Brown to gray, very soft to stiff, silty sandy highly plastic CLAY, wet to saturated

**61+50.00**

50
40
30

UNDIVIDED COASTAL PLAIN: Brown to gray, very soft to stiff, silty sandy highly plastic CLAY, wet to saturated

**61+00.00**

50
40
30

UNDIVIDED COASTAL PLAIN: Yellow-brown to green-gray, very soft to very stiff, fine sandy silty slightly plastic CLAY, moist to wet

**60+50.00**

60
50
40
30
20

S-148

02/18

UNDIVIDED COASTAL PLAIN: Yellow-brown to green-gray, very soft to very stiff, fine sandy silty slightly plastic CLAY, moist to wet

**60+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 100 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

50
40
30
20

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, silty highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Green-gray, very loose, clayey fine SAND, wet

UNDIVIDED COASTAL PLAIN: Green-gray, soft, sandy CLAY, wet

**63 + 00.00**

50
40
30

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown to gray, very soft to stiff, silty sandy highly plastic CLAY, wet to saturated

**62 + 50.00**

60
50
40
30
20

SS-436

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

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UNDIVIDED COASTAL PLAIN: Brown to gray, very soft to stiff, silty sandy highly plastic CLAY, wet to saturated

**62 + 00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 101 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

50
40
30
20

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, silty highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Green-gray, very loose, clayey fine SAND, wet

UNDIVIDED COASTAL PLAIN: Green-gray, soft, sandy CLAY, wet

**64 + 50.00**

60
50
40
30
20

SS-205

02/18

6
12
3
2
3

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, silty highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Green-gray, very loose, clayey fine SAND, wet

UNDIVIDED COASTAL PLAIN: Green-gray, soft, sandy CLAY, wet

**64 + 00.00**

50
40
30
20

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, silty highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Green-gray, very loose, clayey fine SAND, wet

UNDIVIDED COASTAL PLAIN: Green-gray, soft, sandy CLAY, wet

**63 + 50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 102 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30 20

S-88

02/18

UNDIVIDED COASTAL PLAIN: Brown-tan, soft to stiff, silty sandy highly plastic CLAY, wet to saturated

66+00.00

50 40 30

UNDIVIDED COASTAL PLAIN: Brown-tan, soft to stiff, silty sandy highly plastic CLAY, wet to saturated

65+50.00

50 40 30

UNDIVIDED COASTAL PLAIN: Brown-tan, soft to stiff, silty sandy highly plastic CLAY, wet to saturated

65+00.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 103 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

50 40 30 20 10

UNDIVIDED COASTAL PLAIN: Brown to green-gray, soft to stiff, fine sandy clayey SILT; moist to wet

UNDIVIDED COASTAL PLAIN: Green-gray, very soft to soft, fine sandy CLAY, wet

UNDIVIDED COASTAL PLAIN: Green-gray, loose, clayey fine to medium SAND, wet

**68 + 00.00**

50 40 30

UNDIVIDED COASTAL PLAIN: Brown-tan, soft to stiff, silty sandy highly plastic CLAY, wet to saturated

**67 + 50.00**

50 40 30

UNDIVIDED COASTAL PLAIN: Brown-tan, soft to stiff, silty sandy highly plastic CLAY, wet to saturated

**67 + 00.00**

50 40 30 20

UNDIVIDED COASTAL PLAIN: Brown-tan, soft to stiff, silty sandy highly plastic CLAY, wet to saturated

**66 + 50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 104 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

50 40 30 20 10 0

69+67
SS-415

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

02/18

6 7 9 4 3 1 2 5 3 6 10

UNDIVIDED COASTAL PLAIN: Brown to gray, very soft to stiff, sandy SILT, moist to saturated

UNDIVIDED COASTAL PLAIN: Gray, soft to stiff, sandy CLAY, saturated

69 + 50.00

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense, silty SAND and soft to stiff sandy clayey SILT, moist to wet

SS-210

02/18

2 5 4 11 2 1 4

UNDIVIDED COASTAL PLAIN: Brown to green-gray, soft to stiff, fine sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Green-gray, very soft to soft, fine sandy CLAY, wet

UNDIVIDED COASTAL PLAIN: Green-gray, loose, clayey fine to medium SAND, wet

69 + 00.00



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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 105 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

50
40
30
20

Ⓐ UNDIVIDED COASTAL PLAIN: Dark brown, very soft to stiff, sandy SILT, moist

UNDIVIDED COASTAL PLAIN: Orange-brown, soft to stiff, fine sandy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray to green-gray, very loose to loose, clayey fine SAND, wet

**71+50.00**

50
40
30
20

UNDIVIDED COASTAL PLAIN: Orange-brown, soft to stiff, fine sandy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray to green-gray, very loose to loose, clayey fine SAND, wet

**71+00.00**

50
40
30
20
10

UNDIVIDED COASTAL PLAIN: Brown to gray, very soft to stiff, sandy SILT, moist to saturated

UNDIVIDED COASTAL PLAIN: Gray, soft to stiff, sandy CLAY, saturated

**70+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 106 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

50 40 30 20

UNDIVIDED COASTAL PLAIN: Brown, medium stiff, sandy slightly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, medium stiff to stiff, clayey SILT, saturated

UNDIVIDED COASTAL PLAIN: Gray, very loose to loose, silty SAND, saturated

**73 + 00.00**

50 40 30 20

UNDIVIDED COASTAL PLAIN: Dark brown, very soft to stiff, sandy SILT, moist

UNDIVIDED COASTAL PLAIN: Orange-brown, soft to stiff, fine sandy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray to green-gray, very loose to loose, clayey fine SAND, wet

**72 + 50.00**

60 50 40 30 20

Ⓐ UNDIVIDED COASTAL PLAIN: Dark brown, very soft to stiff, sandy SILT, moist

S-157

02718

Ⓐ

UNDIVIDED COASTAL PLAIN: Orange-brown, soft to stiff, fine sandy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray to green-gray, very loose to loose, clayey fine SAND, wet

**72 + 00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 107 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

50
40
30
20

UNDIVIDED COASTAL PLAIN: Brown, medium stiff, sandy slightly plastic CLAY, wet
UNDIVIDED COASTAL PLAIN: Gray, medium stiff to stiff, clayey SILT, saturated
UNDIVIDED COASTAL PLAIN: Gray, very loose to loose, silty SAND, saturated.

**74+50.00**

60
50
40
30
20

SS-430

4 — 02/18
8
4
3
4

UNDIVIDED COASTAL PLAIN: Brown, medium stiff, sandy slightly plastic CLAY, wet
UNDIVIDED COASTAL PLAIN: Gray, medium stiff to stiff, clayey SILT, saturated
UNDIVIDED COASTAL PLAIN: Gray, very loose to loose, silty SAND, saturated.

**74+00.00**

50
40
30
20

UNDIVIDED COASTAL PLAIN: Brown, medium stiff, sandy slightly plastic CLAY, wet
UNDIVIDED COASTAL PLAIN: Gray, medium stiff to stiff, clayey SILT, saturated
UNDIVIDED COASTAL PLAIN: Gray, very loose to loose, silty SAND, saturated.

**73+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 108 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

50 40 30

UNDIVIDED COASTAL PLAIN: Gray-brown to orange-gray, soft to stiff, fine sandy silty moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Brown-gray to green-gray, very loose to loose, clayey fine SAND, wet

**76 + 50.00**

60 50 40 30 20

SS-217

02/18

3
8
4
2
2

UNDIVIDED COASTAL PLAIN: Gray-brown to orange-gray, soft to stiff, fine sandy silty moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Brown-gray to green-gray, very loose to loose, clayey fine SAND, wet

**76 + 00.00**

50 40 30

UNDIVIDED COASTAL PLAIN: Gray-brown to orange-gray, soft to stiff, fine sandy silty moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Brown-gray to green-gray, very loose to loose, clayey fine SAND, wet

**75 + 50.00**

50 40 30

UNDIVIDED COASTAL PLAIN: Gray-brown to orange-gray, soft to stiff, fine sandy silty moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Brown-gray to green-gray, very loose to loose, clayey fine SAND, wet

**75 + 00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 109 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

50
40
30

UNDIVIDED COASTAL PLAIN: Brown-tan, very soft to stiff, sandy highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Brown-tan, very soft to medium stiff, clayey SILT, wet

**78+50.00**

60
50
40
30
20

S-86

02/18

UNDIVIDED COASTAL PLAIN: Brown-tan, very soft to stiff, sandy highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Brown-tan, very soft to medium stiff, clayey SILT, wet

**78+00.00**

50
40
30

UNDIVIDED COASTAL PLAIN: Brown-tan, very soft to stiff, sandy highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Brown-tan, very soft to medium stiff, clayey SILT, wet

**77+50.00**

50
40
30

UNDIVIDED COASTAL PLAIN: Brown-tan, very soft to stiff, sandy highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Brown-tan, very soft to medium stiff, clayey SILT, wet

**77+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 110 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30 20

UNDIVIDED COASTAL PLAIN: Brown-gray, soft, sandy clayey SILT, wet

(A)

(A)

UNDIVIDED COASTAL PLAIN: Brown-gray to gray to blue-gray, soft to medium stiff, silty sandy CLAY, wet

SS-222

2
6
6
2
2

02/18

FIAD

80 + 00.00

60 50 40 30

(A) UNDIVIDED COASTAL PLAIN: Brown-gray, soft, sandy clayey SILT, wet

(A)

UNDIVIDED COASTAL PLAIN: Brown-gray to gray to blue-gray, soft to medium stiff, silty sandy CLAY, wet

79 + 50.00

50 40 30

UNDIVIDED COASTAL PLAIN: Brown-tan, very soft to stiff, sandy highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Brown-tan, very soft to medium stiff, clayey SILT, wet

79 + 00.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 111 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30

UNDIVIDED COASTAL PLAIN: Brown to gray to brown-orange, very soft to medium stiff, sandy clayey SILT, wet to saturated

**81+50.00**

60 50 40 30

UNDIVIDED COASTAL PLAIN: Brown to gray to brown-orange, very soft to medium stiff, sandy clayey SILT, wet to saturated

**81+00.00**

60 50 40 30

(A) UNDIVIDED COASTAL PLAIN: Brown-gray, soft, sandy clayey SILT, wet

(A) UNDIVIDED COASTAL PLAIN: Brown-gray to gray to blue-gray, soft to medium stiff, silty sandy CLAY, wet

**80+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 112 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60
50
40

UNDIVIDED COASTAL PLAIN: Brown, very soft to stiff, fine sandy silty moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Brown to brown-tan, loose to medium dense, clayey fine SAND, moist

**83 + 00.00**

60
50
40

UNDIVIDED COASTAL PLAIN: Brown to gray to brown-orange, very soft to medium stiff, sandy clayey SILT, wet to saturated

30

**82 + 50.00**

60
50
40

SS-425

5
6
4
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02/18

UNDIVIDED COASTAL PLAIN: Brown to gray to brown-orange, very soft to medium stiff, sandy clayey SILT, wet to saturated

30
20

**82 + 00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 113 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30

UNDIVIDED COASTAL PLAIN: Brown, very soft to stiff, fine sandy silty moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Brown to brown-tan, loose to medium dense, clayey fine SAND, moist

**84 + 50.00**

S-83
S-84
CBR-5

02718

UNDIVIDED COASTAL PLAIN: Brown, very soft to stiff, fine sandy silty moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Brown to brown-tan, loose to medium dense, clayey fine SAND, moist

**84 + 00.00**

UNDIVIDED COASTAL PLAIN: Brown, very soft to stiff, fine sandy silty moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Brown to brown-tan, loose to medium dense, clayey fine SAND, moist

**83 + 50.00**

70 60 50 40 30

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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 114 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50 40 30

SS-409

02/18

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UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, silty slightly plastic CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Red-orange, loose to medium dense, clayey SAND, saturated

UNDIVIDED COASTAL PLAIN: Orange-red, soft, silty CLAY, saturated

**86 + 00.00**

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, silty slightly plastic CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Red-orange, loose to medium dense, clayey SAND, saturated

UNDIVIDED COASTAL PLAIN: Orange-red, soft, silty CLAY, saturated

**85 + 50.00**

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, silty slightly plastic CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Red-orange, loose to medium dense, clayey SAND, saturated

UNDIVIDED COASTAL PLAIN: Orange-red, soft, silty CLAY, saturated

**85 + 00.00**

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 115 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30

UNDIVIDED COASTAL PLAIN: Brown-orange to gray, very soft to stiff, silty highly plastic CLAY, wet to saturated

**89+00.00**

60 50 40 30

UNDIVIDED COASTAL PLAIN: Brown to gray-orange, medium stiff to stiff, silty slightly plastic CLAY, wet
UNDIVIDED COASTAL PLAIN: Gray, medium dense, silty SAND, saturated
UNDIVIDED COASTAL PLAIN: Brown, soft, sandy SILT, saturated
UNDIVIDED COASTAL PLAIN: Gray, very soft, silty sandy CLAY, saturated

**88+50.00**

60 50 40 30 20

SS-404

| | |
|---|---|
| 4 | 02-18 |
| 9 | |
| 13 | |
| 2 | |
| WOH | |

UNDIVIDED COASTAL PLAIN: Brown to gray-orange, medium stiff to stiff, silty slightly plastic CLAY, wet
UNDIVIDED COASTAL PLAIN: Gray, medium dense, silty SAND, saturated
UNDIVIDED COASTAL PLAIN: Brown, soft, sandy SILT, saturated
UNDIVIDED COASTAL PLAIN: Gray, very soft, silty sandy CLAY, saturated

**88+00.00**

60 50 40 30 20

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 116 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown-orange to gray, very soft to stiff, silty highly plastic CLAY, wet to saturated

**90 + 50.00**

70 60 50 40 30 20

S-81

02/18

UNDIVIDED COASTAL PLAIN: Brown-orange to gray, very soft to stiff, silty highly plastic CLAY, wet to saturated

**90 + 00.00**

60 50 40 30

UNDIVIDED COASTAL PLAIN: Brown-orange to gray, very soft to stiff, silty highly plastic CLAY, wet to saturated

**89 + 50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 117 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30 20

SS-399

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

02/18

5
7
3
3
4

UNDIVIDED COASTAL PLAIN: Brown-orange, medium stiff, silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray to brown-orange, very loose, silty fine SAND, saturated

**92 + 00.00**

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown-orange, medium stiff, silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray to brown-orange, very loose, silty fine SAND, saturated

**91 + 50.00**

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown-orange to gray, very soft to stiff, silty highly plastic CLAY, wet to saturated

**91 + 00.00**

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 118 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60
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30

UNDIVIDED COASTAL PLAIN: Brown to gray-orange, medium stiff to stiff, silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, very loose to medium dense, silty fine SAND, saturated

**93 + 50.00**

UNDIVIDED COASTAL PLAIN: Brown-orange, medium stiff, silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray to brown-orange, very loose, silty fine SAND, saturated

**93 + 00.00**

UNDIVIDED COASTAL PLAIN: Brown-orange, medium stiff, silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray to brown-orange, very loose, silty fine SAND, saturated

**92 + 50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 119 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60
50
40
30

Ⓐ UNDIVIDED COASTAL PLAIN: Brown-tan, very soft to stiff, silty moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray, medium stiff, sandy SILT, saturated

**95 + 00.00**

60
50
40
30

UNDIVIDED COASTAL PLAIN: Brown to gray-orange, medium stiff to stiff, silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, very loose to medium dense, silty, fine SAND, saturated

**94 + 50.00**

60
50
40
30
20

SS-395

7
8
10
13
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02/18

UNDIVIDED COASTAL PLAIN: Brown to gray-orange, medium stiff to stiff, silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, very loose to medium dense, silty fine SAND, saturated

**94 + 00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 120 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30

(A) UNDIVIDED COASTAL PLAIN: Brown-tan, very soft to stiff, silty moderately plastic CLAY, moist

(A)

UNDIVIDED COASTAL PLAIN: Gray, medium stiff, sandy SILT; saturated

**96 + 50.00**

60 50 40 30

S-79

(A) UNDIVIDED COASTAL PLAIN: Brown-tan, very soft to stiff, silty moderately plastic CLAY, moist

(A)

02/18

UNDIVIDED COASTAL PLAIN: Gray, medium stiff, sandy SILT; saturated

**96 + 00.00**

60 50 40 30 20

(A) UNDIVIDED COASTAL PLAIN: Brown-tan, very soft to stiff, silty moderately plastic CLAY, moist

(A)

UNDIVIDED COASTAL PLAIN: Gray, medium stiff, sandy SILT; saturated

**95 + 50.00**

60 50 40 30

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 121 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50 40 30 20

SS-389
CBR-6

4
8
13
6
WOH

02 AB

FIAD

UNDIVIDED COASTAL PLAIN: Brown, gray, medium stiff to stiff, clayey SILT, moist

UNDIVIDED COASTAL PLAIN: Gray, loose to medium dense, silty SAND, saturated

UNDIVIDED COASTAL PLAIN: Gray, very soft, silty CLAY, saturated

**98 + 00.00**

A UNDIVIDED COASTAL PLAIN: Brown, gray, medium stiff to stiff, clayey SILT, moist

UNDIVIDED COASTAL PLAIN: Gray, loose to medium dense, silty SAND, saturated

UNDIVIDED COASTAL PLAIN: Gray, very soft, silty CLAY, saturated

**97 + 50.00**

A UNDIVIDED COASTAL PLAIN: Brown-tan, very soft to stiff, silty moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray, medium stiff, sandy SILT, saturated

**97 + 00.00**

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 122 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30

Ⓐ ROADWAY EMBANKMENT: Brown, loose, gravelly SAND, moist

UNDIVIDED COASTAL PLAIN: Brown-tan-gray, soft to medium stiff, silty moderately plastic CLAY, wet to saturated

**99 + 50.00**

50 40 30

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown, gray, medium stiff to stiff, clayey SILT, moist

UNDIVIDED COASTAL PLAIN: Gray, loose to medium dense, silty SAND, saturated

UNDIVIDED COASTAL PLAIN: Gray, very soft, silty CLAY, saturated

**99 + 00.00**

50 40 30 20

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown, gray, medium stiff to stiff, clayey SILT, moist

UNDIVIDED COASTAL PLAIN: Gray, loose to medium dense, silty SAND, saturated

UNDIVIDED COASTAL PLAIN: Gray, very soft, silty CLAY, saturated

**98 + 50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 123 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30

Ⓐ ROADWAY EMBANKMENT: Brown, loose, gravelly SAND, moist

UNDIVIDED COASTAL PLAIN: Brown-tan-gray, soft to medium stiff, silty moderately plastic CLAY, wet to saturated

**101 + 00.00**

60 50 40 30

Ⓐ ROADWAY EMBANKMENT: Brown, loose, gravelly SAND, moist

UNDIVIDED COASTAL PLAIN: Brown-tan-gray, soft to medium stiff, silty moderately plastic CLAY, wet to saturated

**100 + 50.00**

60 50 40 30 20

Ⓐ ROADWAY EMBANKMENT: Brown, loose, gravelly SAND, moist

SS-533

9 4 6 4 2

02/18

F/AD

UNDIVIDED COASTAL PLAIN: Brown-tan-gray, soft to medium stiff, silty moderately plastic CLAY, wet to saturated

**100 + 00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 124 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30

Ⓐ UNDIVIDED COASTAL PLAIN: Black-brown, medium stiff, clayey SILT, saturated

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Black-brown, very soft to stiff, silty CLAY, saturated

**102 + 50.00**

Ⓐ ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

Ⓑ UNDIVIDED COASTAL PLAIN: Black-brown, medium stiff, clayey SILT, saturated

S-76

02/18

UNDIVIDED COASTAL PLAIN: Black-brown, very soft to stiff, silty CLAY, saturated

**102 + 00.00**

Ⓐ UNDIVIDED COASTAL PLAIN: Black-brown, medium stiff, clayey SILT, saturated

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Black-brown, very soft to stiff, silty CLAY, saturated

**101 + 50.00**



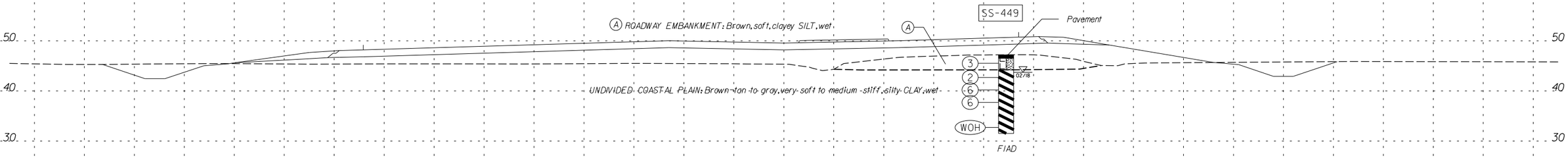
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ab2corp

6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 125 |

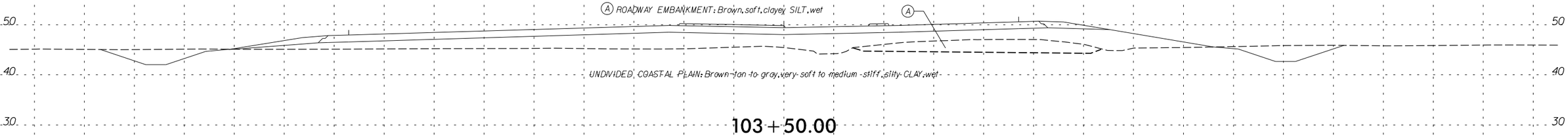
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50 40 30 20



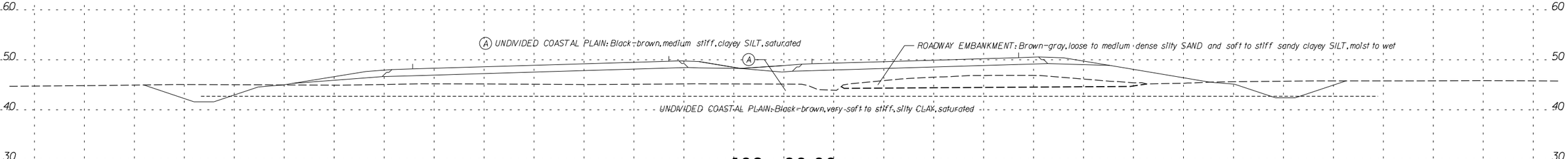

104+00.00

60 50 40 30




103+50.00

60 50 40 30




103+00.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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ab2orgl

6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 126 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown, medium stiff, sandy SILT, moist

UNDIVIDED COASTAL PLAIN: Gray-brown-red to gray, soft to stiff, silty CLAY, wet to saturated

105+50.00

60 50 40 30

(A) ROADWAY EMBANKMENT: Brown, soft, clayey SILT, wet

(A)

UNDIVIDED COASTAL PLAIN: Brown-tan to gray, very soft to medium stiff, silty CLAY, wet

105+00.00

60 50 40 30

(A) ROADWAY EMBANKMENT: Brown, soft, clayey SILT, wet

(A)

UNDIVIDED COASTAL PLAIN: Brown-tan to gray, very soft to medium stiff, silty CLAY, wet

104+50.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 127 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60
50
40

UNDIVIDED COASTAL PLAIN: Brown to gray, very soft to stiff, silty slightly plastic CLAY, moist to saturated

**107 + 00.00**

60
50
40

UNDIVIDED COASTAL PLAIN: Brown, medium stiff, sandy SILT, moist

UNDIVIDED COASTAL PLAIN: Gray-brown-red to gray, soft to stiff, silty CLAY, wet to saturated

30

**106 + 50.00**

60
50

SS-384

6
9
5
4
2

02/18 UNDIVIDED COASTAL PLAIN: Brown, medium stiff, sandy SILT, moist

UNDIVIDED COASTAL PLAIN: Gray-brown-red to gray, soft to stiff, silty CLAY, wet to saturated

40
30
20

**106 + 00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 128 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30

UNDIVIDED COASTAL PLAIN: Brown to gray; very soft to stiff, silty slightly plastic CLAY, moist to saturated

**108 + 50.00**

70 60 50 40 30

S-92
S-93

UNDIVIDED COASTAL PLAIN: Brown to gray, very soft to stiff, silty slightly plastic CLAY, moist to saturated

02/18

FIAD

**108 + 00.00**

60 50 40 30 20

UNDIVIDED COASTAL PLAIN: Brown to gray, very soft to stiff, silty slightly plastic CLAY, moist to saturated

**107 + 50.00**

60 50 40 30

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



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ab.config

6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 129 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30

Ⓐ ROADWAY EMBANKMENT: Brown, medium stiff, sandy SILT, moist

SS-380

Ⓐ

6 7 5 3 2

02718

UNDIVIDED COASTAL PLAIN: Gray-orange, soft to medium stiff, silty moderately plastic CLAY, wet to saturated

UNDIVIDED COASTAL PLAIN: Dark gray, soft, sandy SILT, saturated

**110 + 00.00**

60 50 40 30

UNDIVIDED COASTAL PLAIN: Gray-orange, soft to medium stiff, silty moderately plastic CLAY, wet to saturated

UNDIVIDED COASTAL PLAIN: Dark gray, soft, sandy SILT, saturated

**109 + 50.00**

60 50 40

UNDIVIDED COASTAL PLAIN: Brown to gray, very soft to stiff, silty slightly plastic CLAY, moist to saturated

**109 + 00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 130 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60
50
40
30

(A) ROADWAY EMBANKMENT: Brown, soft, sandy SILT, wet

UNDIVIDED COASTAL PLAIN: Gray-red, medium stiff, silty highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, medium stiff, sandy clayey SILT, saturated

UNDIVIDED COASTAL PLAIN: Gray, very soft, sandy CLAY, saturated

**111 + 50.00**

(A) ROADWAY EMBANKMENT: Brown, medium stiff, sandy SILT, moist

UNDIVIDED COASTAL PLAIN: Gray-orange, soft to medium stiff, silty moderately plastic CLAY, wet to saturated

UNDIVIDED COASTAL PLAIN: Dark gray, soft, sandy SILT, saturated

**111 + 00.00**

(A) ROADWAY EMBANKMENT: Brown, medium stiff, sandy SILT, moist

UNDIVIDED COASTAL PLAIN: Gray-orange, soft to medium stiff, silty moderately plastic CLAY, wet to saturated

UNDIVIDED COASTAL PLAIN: Dark gray, soft, sandy SILT, saturated

**110 + 50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 131 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30

UNDIVIDED COASTAL PLAIN: Brown to gray, very soft to stiff, silty moderately plastic CLAY, moist to saturated

113 + 00.00

60 50 40 30

Ⓐ ROADWAY EMBANKMENT: Brown, soft, sandy SILT, wet

UNDIVIDED COASTAL PLAIN: Gray-red, medium stiff, silty highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray; medium stiff; sandy clayey SILT; saturated

UNDIVIDED COASTAL PLAIN: Gray, very soft, sandy CLAY, saturated

112 + 50.00

70 60 50 40 30 20

Ⓐ ROADWAY EMBANKMENT: Brown, soft, sandy SILT, wet

SS-454

Pavement

UNDIVIDED COASTAL PLAIN: Gray-red, medium stiff, silty highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray; medium stiff; sandy clayey SILT; saturated

UNDIVIDED COASTAL PLAIN: Gray, very soft, sandy CLAY, saturated

3 6 7 5 WOH

02/18

FIAD

112 + 00.00

70 60 50 40 30 20

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 132 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30

UNDIVIDED COASTAL PLAIN: Brown to gray, very soft to stiff, silty moderately plastic CLAY, moist to saturated

**114 + 50.00**

70 60 50 40 30

S-73

02/18

UNDIVIDED COASTAL PLAIN: Brown to gray, very soft to stiff, silty moderately plastic CLAY, moist to saturated

**114 + 00.00**

60 50 40 30

UNDIVIDED COASTAL PLAIN: Brown to gray, very soft to stiff, silty moderately plastic CLAY, moist to saturated

**113 + 50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 133 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50 40 30

Ⓐ ROADWAY EMBANKMENT: Brown, stiff, clayey SILT, wet

SS-374

UNDIVIDED COASTAL PLAIN: Gray-orange, stiff, silty CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, loose, clayey SAND, saturated

UNDIVIDED COASTAL PLAIN: Gray-orange, very soft, clayey SILT, saturated

UNDIVIDED COASTAL PLAIN: Gray, very soft, silty CLAY, saturated

Ⓐ 8 8 7 WOH WOH

02/18

FIAD

**116 + 00.00**

60 50 40 30

Ⓐ ROADWAY EMBANKMENT: Brown, stiff, clayey SILT, wet

Ⓐ

UNDIVIDED COASTAL PLAIN: Gray-orange, stiff, silty CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, loose, clayey SAND, saturated

UNDIVIDED COASTAL PLAIN: Gray-orange, very soft, clayey SILT, saturated

UNDIVIDED COASTAL PLAIN: Gray, very soft, silty CLAY, saturated

**115 + 50.00**

60 50 40 30

UNDIVIDED COASTAL PLAIN: Brown to gray, very soft to stiff, silty, moderately plastic CLAY, moist to saturated

**115 + 00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 134 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30

UNDIVIDED COASTAL PLAIN: Brown-gray to brown-orange, soft to stiff, silty highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, very soft to medium stiff, sandy clayey SILT, saturated

**119 + 00.00**

60 50 40 30

(A) UNDIVIDED COASTAL PLAIN: Brown, soft, clayey SILT, wet

(A)

UNDIVIDED COASTAL PLAIN: Dark gray, very soft to medium stiff, silty CLAY, saturated

**118 + 50.00**

70 60 50 40 30 20

SS-369
CBR-7

(A) UNDIVIDED COASTAL PLAIN: Brown, soft, clayey SILT, wet

2
3
5
3
WOH

02/18

(A)

UNDIVIDED COASTAL PLAIN: Dark gray, very soft to medium stiff, silty CLAY, saturated

**118 + 00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 135 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30

UNDIVIDED COASTAL PLAIN: Brown-gray to brown-orange, soft to stiff, silty-highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, very soft to medium stiff, sandy clayey SILT, saturated

**120+50.00**

S-96

UNDIVIDED COASTAL PLAIN: Brown-gray to brown-orange, soft to stiff, silty, highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, very soft to medium stiff, sandy clayey SILT, saturated

02/18

FIAD

**120+00.00**

UNDIVIDED COASTAL PLAIN: Brown-gray to brown-orange, soft to stiff, silty highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, very soft to medium stiff, sandy clayey SILT, saturated

**119+50.00**

6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 136 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50 40 30 20

SS-365

02/18

9
4
3
1

UNDIVIDED COASTAL PLAIN: Brown, gray-orange, very soft to stiff, sandy moderately plastic CLAY, trace organics, wet

UNDIVIDED COASTAL PLAIN: Gray, very soft to medium stiff, sandy clayey SILT, saturated

## 122+00.00

60 50 40 30

UNDIVIDED COASTAL PLAIN: Brown, gray-orange, very soft to stiff, sandy moderately plastic CLAY, trace organics, wet

UNDIVIDED COASTAL PLAIN: Gray, very soft to medium stiff, sandy clayey SILT, saturated

## 121+50.00

60 50 40 30

UNDIVIDED COASTAL PLAIN: Brown, gray-orange, very soft to stiff, sandy moderately plastic CLAY, trace organics, wet

UNDIVIDED COASTAL PLAIN: Gray, very soft to medium stiff, sandy clayey SILT, saturated

## 121+00.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 137 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60
50
40
30

(A) ROADWAY EMBANKMENT: Dark brown, medium stiff, sandy SILT, trace organic, moist

(A)

UNDIVIDED COASTAL PLAIN: Brown-gray-orange, stiff, silty highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, medium stiff, clayey SILT, saturated

UNDIVIDED COASTAL PLAIN: Gray, soft, silty CLAY, saturated

**123 + 50.00**

UNDIVIDED COASTAL PLAIN: Brown, gray-orange, very soft to stiff, sandy moderately plastic CLAY, trace organics, wet

UNDIVIDED COASTAL PLAIN: Gray, very soft to medium stiff, sandy clayey SILT, saturated

**123 + 00.00**

UNDIVIDED COASTAL PLAIN: Brown, gray-orange, very soft to stiff, sandy moderately plastic CLAY, trace organics, wet

UNDIVIDED COASTAL PLAIN: Gray, very soft to medium stiff, sandy clayey SILT, saturated

**122 + 50.00**

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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 138 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30

(A) UNDIVIDED COASTAL PLAIN: Brown, soft to stiff, silty, slightly plastic CLAY, saturated

(A)

UNDIVIDED COASTAL PLAIN: Gray, medium dense, silty SAND, saturated

## 125+00.00

60 50 40 30

(A) ROADWAY EMBANKMENT: Dark brown, medium stiff, sandy SILT, trace organic, moist

(A)

UNDIVIDED COASTAL PLAIN: Brown-gray-orange, stiff, silty highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, medium stiff, clayey SILT, saturated

UNDIVIDED COASTAL PLAIN: Gray, soft, silty CLAY, saturated

## 124+50.00

70 60 50 40 30 20

(A) ROADWAY EMBANKMENT: Dark brown, medium stiff, sandy SILT, trace organic, moist

SS-460
CBR-8

(A)

4
8
7
3
2

0278

FIAD

UNDIVIDED COASTAL PLAIN: Brown-gray-orange, stiff, silty highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, medium stiff, clayey SILT, saturated

UNDIVIDED COASTAL PLAIN: Gray, soft, silty CLAY, saturated

## 124+00.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 139 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50 40 30 20

SS-464

Pavement

(A) ROADWAY EMBANKMENT: Brown-black, soft, sandy clayey SILT, moist

(A)

UNDIVIDED COASTAL PLAIN: Gray-orange, stiff, silty CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray-orange, medium stiff, sandy clayey SILT, wet

UNDIVIDED COASTAL PLAIN: Gray, soft, sandy CLAY, wet

3 3 6 4 2

02/18

FIAD

**128+00.00**

125+35

S-70

(A) UNDIVIDED COASTAL PLAIN: Brown, soft to stiff, silty slightly plastic CLAY, saturated

02/18

(A)

UNDIVIDED COASTAL PLAIN: Gray, medium dense, silty SAND, saturated

**125+50.00**

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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 140 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30

Ⓒ ROADWAY EMBANKMENT: Brown, soft, sandy SILT, moist

UNDIVIDED COASTAL PLAIN: Brown-tan, soft to stiff, silty moderately plastic CLAY, wet to saturated

**131 + 50.00**

60 50 40 30

Ⓑ UNDIVIDED COASTAL PLAIN: Dark brown, medium stiff, clayey SILT, wet

UNDIVIDED COASTAL PLAIN: Brown-tan, medium stiff, silty highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, soft to medium stiff, sandy SILT, saturated

**131 + 00.00**

70 60 50 40 30 20

SS-359
SS-360

Ⓐ UNDIVIDED COASTAL PLAIN: Dark brown, medium stiff, clayey SILT, wet

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

02/18

UNDIVIDED COASTAL PLAIN: Brown-tan, medium stiff, silty highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, soft to medium stiff, sandy SILT, saturated

**130 + 00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 141 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60
50
40
30

(A) UNDIVIDED COASTAL PLAIN: Brown-tan-gray, medium stiff to stiff, silty slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray-brown, medium stiff, clayey SILT, saturated

UNDIVIDED COASTAL PLAIN: Gray, soft, silty CLAY, saturated

**133+00.00**

(A) ROADWAY EMBANKMENT: Brown, sandy SILT, moist

UNDIVIDED COASTAL PLAIN: Brown-tan, soft to stiff, silty moderately plastic CLAY, wet to saturated

**132+50.00**

(A) ROADWAY EMBANKMENT: Brown, soft, sandy SILT, moist

S-102

Pavement

02/18

UNDIVIDED COASTAL PLAIN: Brown-tan, soft to stiff, silty moderately plastic CLAY, wet to saturated

FIAD

**132+00.00**

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abocegi

6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 142 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30

(A) UNDIVIDED COASTAL PLAIN: Brown-tan-gray, medium stiff to stiff, silty slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray-brown, medium stiff, clayey SILT, saturated

UNDIVIDED COASTAL PLAIN: Gray, soft, silty CLAY, saturated

**134+50.00**

SS-354

(A) UNDIVIDED COASTAL PLAIN: Brown-tan-gray, medium stiff to stiff, silty slightly plastic CLAY, moist

6 WOH 5 4 2

02/18

UNDIVIDED COASTAL PLAIN: Gray-brown, medium stiff, clayey SILT, saturated

UNDIVIDED COASTAL PLAIN: Gray, soft, silty CLAY, saturated

**134+00.00**

(A) UNDIVIDED COASTAL PLAIN: Brown-tan-gray, medium stiff to stiff, silty slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray-brown, medium stiff, clayey SILT, saturated

UNDIVIDED COASTAL PLAIN: Gray, soft, silty CLAY, saturated

**133+50.00**



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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 143 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30 20

Ⓐ ROADWAY EMBANKMENT: Gray, medium dense, silty gravelly SAND, moist

SS-528

Pavement

18 33 8 3 2

02/18

UNDIVIDED COASTAL PLAIN: Gray to Brown-gray-tan, soft to hard, sandy SILT, wet to saturated

UNDIVIDED COASTAL PLAIN: Gray, soft, silty CLAY, saturated

FIAD

136+00.00

ROADWAY EMBANKMENT: Gray, medium dense, silty gravelly SAND, moist

UNDIVIDED COASTAL PLAIN: Gray to Brown-gray-tan, soft to hard, sandy SILT, wet to saturated

UNDIVIDED COASTAL PLAIN: Gray, soft, silty CLAY, saturated

135+50.00

Ⓐ UNDIVIDED COASTAL PLAIN: Brown-tan-gray, medium stiff to stiff, silty slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray-brown, medium stiff, clayey SILT, saturated

UNDIVIDED COASTAL PLAIN: Gray, soft, silty CLAY, saturated

135+00.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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abcorgal

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 144 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30

UNDIVIDED COASTAL PLAIN: Brown-tan to gray, very soft to stiff, silty moderately plastic CLAY, wet to saturated

**137 + 50.00**

50 40 30

UNDIVIDED COASTAL PLAIN: Brown-tan to gray, very soft to stiff, silty moderately plastic CLAY, wet to saturated

**137 + 00.00**

60 50 40 30 20

(A) ROADWAY EMBANKMENT: Gray, medium dense, silty gravelly SAND, moist (A)

UNDIVIDED COASTAL PLAIN: Gray to Brown-gray-tan, soft to hard, sandy SILT, wet to saturated

UNDIVIDED COASTAL PLAIN: Gray, soft, silty CLAY, saturated

**136 + 50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 145 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30

UNDIVIDED COASTAL PLAIN: Brown-tan to gray, very soft to stiff, silty moderately plastic CLAY, wet to saturated

**139+00.00**

60 50 40 30

UNDIVIDED COASTAL PLAIN: Brown-tan to gray, very soft to stiff, silty moderately plastic CLAY, wet to saturated

**138+50.00**

60 50 40 30 20

S-67

02/18

UNDIVIDED COASTAL PLAIN: Brown-tan to gray, very soft to stiff, silty moderately plastic CLAY, wet to saturated

**138+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 146 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30

UNDIVIDED COASTAL PLAIN: Gray-orange to gray, soft to stiff, silty moderately plastic CLAY, wet to saturated

## 140+50.00

70 60 50 40 30

SS-350

Ⓐ ROADWAY EMBANKMENT: Brown, loose, silty SAND, trace gravel, moist

Ⓐ

9 8 4 3 2

CL3 02/18

UNDIVIDED COASTAL PLAIN: Gray-orange to gray, soft to stiff, silty moderately plastic CLAY, wet to saturated

## 140+00.00

60 50 40 30

UNDIVIDED COASTAL PLAIN: Gray-orange to gray, soft to stiff, silty moderately plastic CLAY, wet to saturated

## 139+50.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 147 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50 40 30

SS-344

Ⓐ UNDIVIDED COASTAL PLAIN: Brown, medium stiff, clayey SILT, wet

6 9 4 2 1

27.18

UNDIVIDED COASTAL PLAIN: Gray-orange, very soft to stiff, silty CLAY, wet to saturated

**142+00.00**

Ⓐ UNDIVIDED COASTAL PLAIN: Brown, medium stiff, clayey SILT, wet

UNDIVIDED COASTAL PLAIN: Gray-orange, very soft to stiff, silty CLAY, wet to saturated

**141+50.00**

UNDIVIDED COASTAL PLAIN: Gray-orange to gray, soft to stiff, silty-moderately plastic CLAY, wet to saturated

**141+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 148 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30

UNDIVIDED COASTAL PLAIN: Gray-brown to brown-tan, very soft to stiff, silty, moderately plastic CLAY, wet to saturated

**144+50.00**

S-64

60 50 40 30 20

02/18

UNDIVIDED COASTAL PLAIN: Gray-brown to brown-tan, very soft to stiff, silty moderately plastic CLAY, wet to saturated

**144+00.00**

60 50 40 30

UNDIVIDED COASTAL PLAIN: Gray-brown to brown-tan, very soft to stiff, silty moderately plastic CLAY, wet to saturated

**143+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 149 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30 20

SS-339
CBR: 9

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11
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WOH
7

02/18

(A) UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, silty slightly plastic CLAY, moist

(A) UNDIVIDED COASTAL PLAIN: Gray-orange, very loose, clayey fine SAND, saturated

UNDIVIDED COASTAL PLAIN: Brown-orange, very soft, silty CLAY, saturated

UNDIVIDED COASTAL PLAIN: Gray, loose, clayey SAND, saturated

**146 + 00.00**

(A) UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, silty slightly plastic CLAY, moist

(A) UNDIVIDED COASTAL PLAIN: Gray-orange, very loose, clayey fine SAND, saturated

UNDIVIDED COASTAL PLAIN: Brown-orange, very soft, silty CLAY, saturated

UNDIVIDED COASTAL PLAIN: Gray, loose, clayey SAND, saturated

**145 + 50.00**

UNDIVIDED COASTAL PLAIN: Gray-brown to brown-tan, very soft to stiff, silty moderately plastic CLAY, wet to saturated

**145 + 00.00**

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
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| | R-2511 | 150 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

50
40
30

UNDIVIDED COASTAL PLAIN: Brown to gray, medium stiff to stiff, sandy SILT, saturated

UNDIVIDED COASTAL PLAIN: Gray, loose to medium dense, clayey fine SAND, saturated

**147+50.00**

60
50
40
30
20

(A) UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, silty slightly plastic CLAY, moist

(A)

UNDIVIDED COASTAL PLAIN: Gray-orange, very loose, clayey fine SAND, saturated

UNDIVIDED COASTAL PLAIN: Brown-orange, very soft, silty CLAY, saturated

UNDIVIDED COASTAL PLAIN: Gray, loose, clayey SAND, saturated

**147+00.00**

60
50
40
30
20

(A) UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, silty slightly plastic CLAY, moist

(A)

UNDIVIDED COASTAL PLAIN: Gray-orange, very loose, clayey fine SAND, saturated

UNDIVIDED COASTAL PLAIN: Brown-orange, very soft, silty CLAY, saturated

UNDIVIDED COASTAL PLAIN: Gray, loose, clayey SAND, saturated

**146+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 151 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30 20

S-61

01/18

UNDIVIDED COASTAL PLAIN: Brown-tan to gray, very soft to stiff, sandy slightly plastic CLAY, moist to saturated

**150+00.00**

SS-335

4 10 18 13 5

02/18

UNDIVIDED COASTAL PLAIN: Brown to gray, medium stiff to stiff, sandy SILT, saturated

UNDIVIDED COASTAL PLAIN: Gray, loose to medium dense, clayey fine SAND, saturated

**148+00.00**

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 152 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30 20

SS-491

(A) ROADWAY EMBANKMENT: Brown, loose, silty SAND, moist

6 7 8 2 WOH — 02/18

UNDIVIDED COASTAL PLAIN: Gray-brown, medium stiff, silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, stiff, sandy SILT, saturated

UNDIVIDED COASTAL PLAIN: Gray, very soft to soft, silty CLAY, saturated

154+00.00

SS-329
CBR-10

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

5 5 WOH WOH 2 — 01/18

UNDIVIDED COASTAL PLAIN: Brown, medium stiff, clayey SILT, wet to saturated

UNDIVIDED COASTAL PLAIN: Gray, very soft to soft, silty CLAY, saturated

152+00.00

60 50 40 30 20 10

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
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| | R-2511 | 153 |

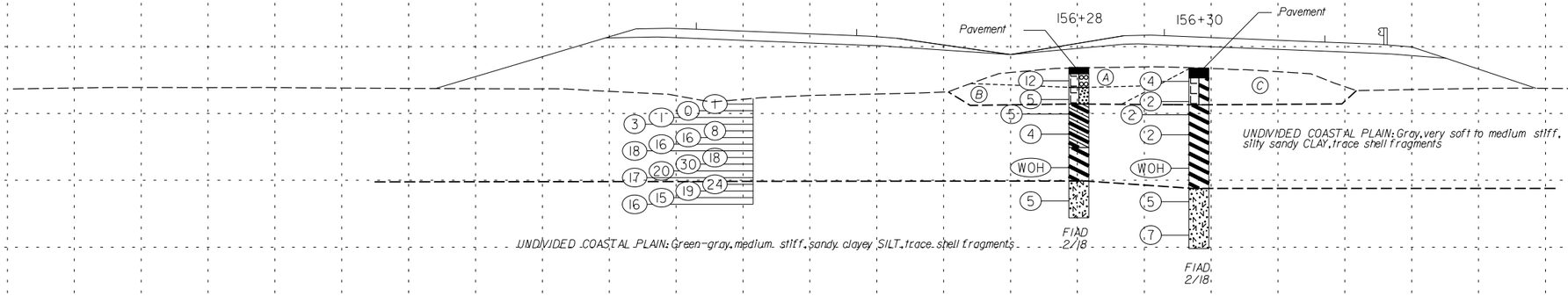
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30 20 10 0

(A) ROADWAY EMBANKMENT: Brown, medium dense, sandy GRAVEL, moist

(B) ROADWAY EMBANKMENT: Brown-gray, loose, clayey SAND, trace gravel

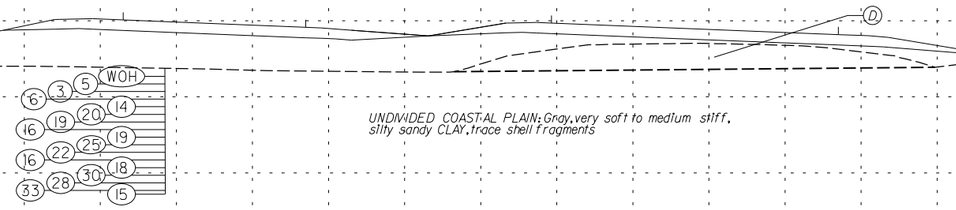
(C) ROADWAY EMBANKMENT: Brown to gray, silty sandy CLAY, trace gravel




(SEE THE BRIDGE INVENTORY REPORT FOR THE COMPLETE BRIDGE BORINGS)

## 156+00.00

(D) ROADWAY EMBANKMENT: Brown, medium dense, sandy GRAVEL, moist

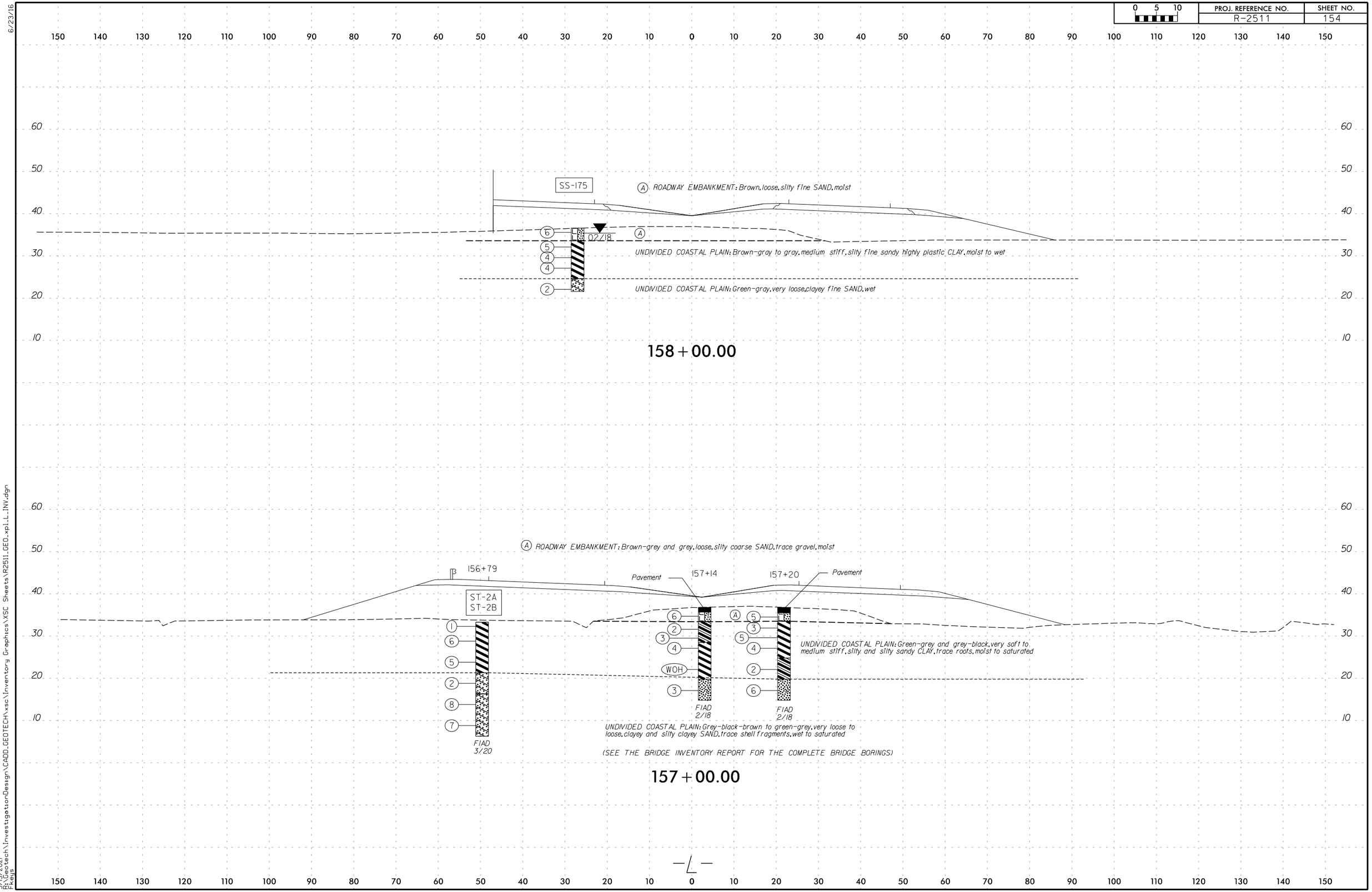



## 155+00.00

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| | R-2511 | 154 |




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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 155 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Gray-brown to green-gray, soft to medium stiff, sandy silty-slightly to moderately plastic CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Green-gray, very loose to loose, clayey fine SAND, wet

**159+50.00**

158+80
SS-227
SS-228
ST-2

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Gray-brown to green-gray, soft to medium stiff, sandy silty-slightly to moderately plastic CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Green-gray, very loose to loose, clayey fine SAND, wet

4
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02/18

FIAD

**159+00.00**

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Gray-brown to green-gray, soft to medium stiff, sandy silty-slightly to moderately plastic CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Green-gray, very loose to loose, clayey fine SAND, wet

**158+50.00**

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 156 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

50 40 30

(A) ROADWAY EMBANKMENT: Dark brown-fine, soft, sandy clayey SILT, moist

(A)

UNDIVIDED COASTAL PLAIN: Brown to green-gray, very soft to stiff, silty CLAY, moist to wet

**161 + 50.00**

50 40 30

(A) ROADWAY EMBANKMENT: Dark brown-fine, soft, sandy clayey SILT, moist

(A)

UNDIVIDED COASTAL PLAIN: Brown to green-gray, very soft to stiff, silty CLAY, moist to wet

**161 + 00.00**

50 40 30 20

(A) ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

(B) UNDIVIDED COASTAL PLAIN: Gray-brown, medium stiff, fine sandy clayey SILT, moist

(A)

(B)

UNDIVIDED COASTAL PLAIN: Brown-gray to green-gray, very soft to medium stiff, silty CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Green-gray, very loose, silty fine to coarse SAND, wet

**160 + 50.00**

50 40 30 20 10

(A) UNDIVIDED COASTAL PLAIN: Gray-brown, medium stiff, fine sandy clayey SILT, moist

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

(A)

SS-339

4 4 2 1 2

02/18

UNDIVIDED COASTAL PLAIN: Brown-gray to green-gray, very soft to medium stiff, silty CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Green-gray, very loose, silty fine to coarse SAND, wet

**160 + 00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 157 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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UNDIVIDED COASTAL PLAIN: Gray-brown, medium stiff to stiff, silty fine sandy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Brown-gray, very loose, clayey SAND, wet

UNDIVIDED COASTAL PLAIN: Green-gray, very soft, clayey SILT, wet

UNDIVIDED COASTAL PLAIN: Green-gray, very loose, clayey fine SAND, wet

**163+00.00**

50
40
30

(A) ROADWAY EMBANKMENT: Dark brown-fine, soft, sandy clayey SILT, moist

(A)

UNDIVIDED COASTAL PLAIN: Brown to green-gray, very soft to stiff, silty CLAY, moist to wet

**162+50.00**

60
50
40
30
20
10

S-152

(A) ROADWAY EMBANKMENT: Dark brown-fine, soft, sandy clayey SILT, moist

(A)

02/18

UNDIVIDED COASTAL PLAIN: Brown to green-gray, very soft to stiff, silty CLAY, moist to wet

FIAD

**162+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 158 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

50
40
30
20

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Gray-brown, medium stiff to stiff, silty fine sandy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Brown-gray, very loose, clayey SAND, wet

UNDIVIDED COASTAL PLAIN: Green-gray, very soft, clayey SILT, wet

UNDIVIDED COASTAL PLAIN: Green-gray, very loose, clayey fine SAND, wet

**164 + 50.00**

60
50
40
30
20

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

SS-334

5
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WOH
3

02/18

UNDIVIDED COASTAL PLAIN: Gray-brown, medium stiff to stiff, silty fine sandy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Brown-gray, very loose, clayey SAND, wet

UNDIVIDED COASTAL PLAIN: Green-gray, very soft, clayey SILT, wet

UNDIVIDED COASTAL PLAIN: Green-gray, very loose, clayey fine SAND, wet

**164 + 00.00**

50
40
30
20

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Gray-brown, medium stiff to stiff, silty fine sandy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Brown-gray, very loose, clayey SAND, wet

UNDIVIDED COASTAL PLAIN: Green-gray, very soft, clayey SILT, wet

UNDIVIDED COASTAL PLAIN: Green-gray, very loose, clayey fine SAND, wet

**163 + 50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 159 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30 20

SS-325

(A) UNDIVIDED COASTAL PLAIN: Brown, loose, silty SAND, moist

7 10 5 WOH 4

01/18

UNDIVIDED COASTAL PLAIN: Gray-brown, very soft to stiff, silty highly plastic CLAY, wet to saturated

UNDIVIDED COASTAL PLAIN: Gray, loose, silty fine SAND, saturated

**166+00.00**

(A) UNDIVIDED COASTAL PLAIN: Brown, loose, silty SAND, moist

UNDIVIDED COASTAL PLAIN: Gray-brown, very soft to stiff, silty highly plastic CLAY, wet to saturated

UNDIVIDED COASTAL PLAIN: Gray, loose, silty fine SAND, saturated

**165+50.00**

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Gray-brown, medium stiff to stiff, silty fine sandy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Brown-gray, very loose, clayey SAND, wet

UNDIVIDED COASTAL PLAIN: Green-gray, very soft, clayey SILT, wet

UNDIVIDED COASTAL PLAIN: Green-gray, very loose, clayey fine SAND, wet

**165+00.00**



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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 160 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

50 40 30 20

UNDIVIDED COASTAL PLAIN: Gray-brown to yellow-brown, very soft to stiff, silty fine sandy slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Green-gray, very loose to loose, silty fine to coarse SAND, wet

**167 + 50.00**

50 40 30 20

UNDIVIDED COASTAL PLAIN: Gray-brown to yellow-brown, very soft to stiff, silty fine sandy slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Green-gray, very loose to loose, silty fine to coarse SAND, wet

**167 + 00.00**

50 40 30 20

(A) UNDIVIDED COASTAL PLAIN: Brown, loose, silty SAND, moist

(A) (A)

UNDIVIDED COASTAL PLAIN: Gray-brown, very soft to stiff, silty highly plastic CLAY, wet to saturated

UNDIVIDED COASTAL PLAIN: Gray, loose, silty fine SAND, saturated

**166 + 50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 161 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

50 40 30

Ⓐ UNDIVIDED COASTAL PLAIN: Dark brown, medium stiff, clayey SILT, wet

Ⓐ

UNDIVIDED COASTAL PLAIN: Gray-orange, very soft to stiff, silty CLAY, wet to saturated

**169+00.00**

50 40 30

UNDIVIDED COASTAL PLAIN: Gray-brown to yellow-brown, very soft to stiff, silty fine sandy slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Green-gray, very loose to loose, silty fine to coarse SAND, wet

**168+50.00**

60 50 40 30 20

S-113

UNDIVIDED COASTAL PLAIN: Gray-brown to yellow-brown, very soft to stiff, silty fine sandy slightly plastic CLAY, moist

02/18

UNDIVIDED COASTAL PLAIN: Green-gray, very loose to loose, silty fine to coarse SAND, wet

FIAD

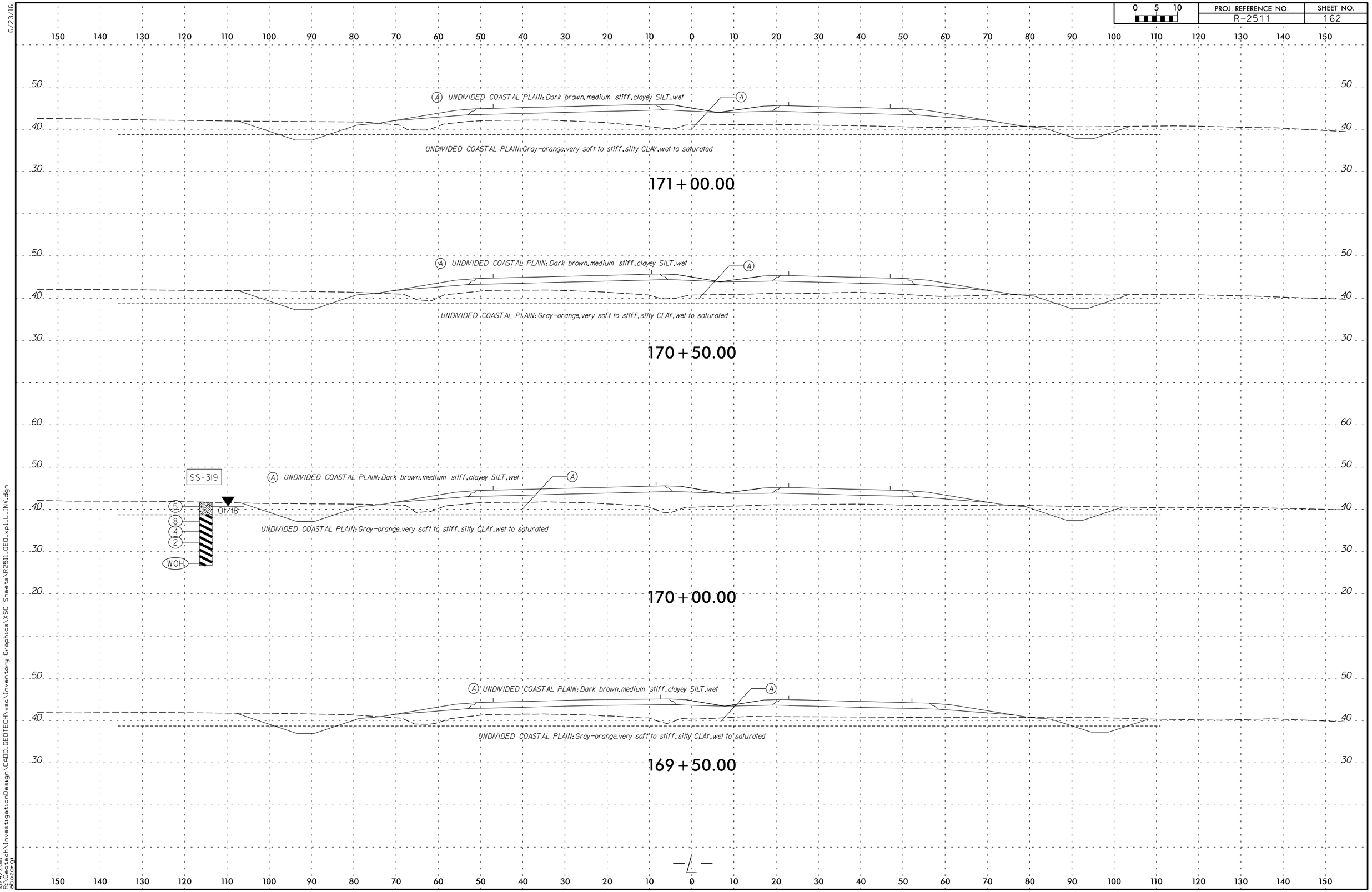
**168+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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|---|---|---|
| | R-2511 | 163 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

50
40
30
20

UNDIVIDED COASTAL PLAIN: Dark brown to brown-gray, soft to medium stiff, silty fine sandy slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Green-gray, very loose, clayey fine SAND, wet

**172 + 50.00**

60
50
40
30
20

SS-329

UNDIVIDED COASTAL PLAIN: Dark brown to brown-gray, soft to medium stiff, silty fine sandy slightly plastic CLAY, moist

3
9
5
2
WOH

02/18

UNDIVIDED COASTAL PLAIN: Green-gray, very loose, clayey fine SAND, wet

**172 + 00.00**

50
40
30
20

UNDIVIDED COASTAL PLAIN: Dark brown to brown-gray, soft to medium stiff, silty fine sandy slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Green-gray, very loose, clayey fine SAND, wet

**171 + 50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 164 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

50 40 30

UNDIVIDED COASTAL PLAIN: Brown to brown-tan, very soft to stiff, silty moderately plastic CLAY, moist to saturated

**174+50.00**

60 50 40 30 20

S-98

02/18

UNDIVIDED COASTAL PLAIN: Brown to brown-tan, very soft to stiff, silty moderately plastic CLAY, moist to saturated

**174+00.00**

50 40 30

UNDIVIDED COASTAL PLAIN: Brown to brown-tan, very soft to stiff, silty moderately plastic CLAY, moist to saturated

**173+50.00**

50 40 30

UNDIVIDED COASTAL PLAIN: Brown to brown-tan, very soft to stiff, silty moderately plastic CLAY, moist to saturated

**173+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 165 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30 20

Ⓐ UNDIVIDED COASTAL PLAIN: Yellow-brown, medium stiff, fine sandy clayey SILT, moist

Ⓐ

SS-319

4 9 5 6 4

02/18

UNDIVIDED COASTAL PLAIN: Yellow-gray to green-gray, medium stiff to stiff, silty CLAY, moist to wet

**176+00.00**

60 50 40 30 20

UNDIVIDED COASTAL PLAIN: Yellow-brown, medium stiff, fine sandy clayey SILT, moist

Ⓐ

UNDIVIDED COASTAL PLAIN: Yellow-gray to green-gray, medium stiff to stiff, silty CLAY, moist to wet

**175+50.00**

50 40 30

UNDIVIDED COASTAL PLAIN: Brown to brown-tan, very soft to stiff, silty moderately plastic CLAY, moist to saturated

**175+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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abozorgi

6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 166 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60
50
40
30

Ⓐ ROADWAY EMBANKMENT: Brown, medium dense, silty SAND, trace gravel, wet

UNDIVIDED COASTAL PLAIN: gray-orange, soft to medium stiff, silty highly plastic CLAY, wet to saturated

**177 + 50.00**

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Gray-orange, soft to medium stiff, silty highly plastic CLAY, wet to saturated

**177 + 00.00**

Ⓐ UNDIVIDED COASTAL PLAIN: Yellow-brown, medium stiff, fine sandy clayey SILT, moist

UNDIVIDED COASTAL PLAIN: Yellow-gray to green-gray, medium stiff to stiff, silty CLAY, moist to wet

**176 + 50.00**

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 167 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

50
40
30

UNDIVIDED COASTAL PLAIN: Gray-orange, soft to medium stiff, silty highly plastic CLAY, wet to saturated

**179+00.00**

60
50
40
30

(A) ROADWAY EMBANKMENT: Brown, medium dense, silty SAND, trace gravel, wet

(A)

UNDIVIDED COASTAL PLAIN: Gray-orange, soft to medium stiff, silty highly plastic CLAY, wet to saturated

**178+50.00**

60
50
40
30
20

SS-315

(A) ROADWAY EMBANKMENT: Brown, medium dense, silty SAND, trace gravel, wet

11
6
7
6
2

01/18

(A)

UNDIVIDED COASTAL PLAIN: Gray-orange, soft to medium stiff, silty highly plastic CLAY, wet to saturated

**178+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 168 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60
50
40
30

UNDIVIDED COASTAL PLAIN: Brown, soft, sandy clayey SILT, moist

UNDIVIDED COASTAL PLAIN: Brown to dark brown to gray-brown, soft to stiff, silty CLAY, moist to wet

**180 + 50.00**

S-104

02/18

UNDIVIDED COASTAL PLAIN: Brown, soft, sandy clayey SILT, moist

UNDIVIDED COASTAL PLAIN: Brown to dark brown to gray-brown, soft to stiff, silty CLAY, moist to wet

**180 + 00.00**

UNDIVIDED COASTAL PLAIN: Brown, soft, sandy clayey SILT, moist

UNDIVIDED COASTAL PLAIN: Brown to dark brown to gray-brown, soft to stiff, silty CLAY, moist to wet

**179 + 50.00**

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 169 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30 20

SS-314

02/18

UNDIVIDED COASTAL PLAIN: Brown, medium stiff, fine sandy, clayey SILT, moist

UNDIVIDED COASTAL PLAIN: Yellow-gray to gray to green-gray; medium stiff to stiff; silty CLAY, moist

4 7 9 9 4

184+00.00

SS-309

01/18

6 6 5 6 3

UNDIVIDED COASTAL PLAIN: Dark brown to green-gray to gray, soft to medium stiff; sandy silty slightly plastic CLAY, wet to saturated

182+00.00

60 50 40 30 20

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 170 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50 40 30 20

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

SS-309
SS-310

02/18

UNDIVIDED COASTAL PLAIN: Dark brown, soft to stiff, silty slightly plastic CLAY, moist — 3
UNDIVIDED COASTAL PLAIN: Gray, loose, clayey fine SAND, moist — 8
UNDIVIDED COASTAL PLAIN: Gray-brown, medium stiff, sandy CLAY, moist — 6
UNDIVIDED COASTAL PLAIN: Green-gray, very loose, clayey fine SAND, wet — 4
— 3

**188+00.00**

ROADWAY EMBANKMENT:: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

S-109

02/18

UNDIVIDED COASTAL PLAIN: Dark brown to brown-gray, soft to stiff, silty fine sandy slightly plastic CLAY, wet

**186+00.00**

—L—

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 171 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60
50
40

Ⓐ ROADWAY EMBANKMENT: Dark brown, medium stiff, clayey SILT, moist

UNDIVIDED COASTAL PLAIN: Gray, soft, sandy CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray to gray-brown, very loose to loose, clayey fine SAND, wet

191+00.00

60
50
40

Ⓐ ROADWAY EMBANKMENT: Dark brown, medium stiff, clayey SILT, moist

UNDIVIDED COASTAL PLAIN: Gray, soft, sandy CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray to gray-brown, very loose to loose, clayey fine SAND, wet

190+50.00

70
60
50
40
30

Ⓐ ROADWAY EMBANKMENT: Dark brown, medium stiff, clayey SILT, moist

SS-324

5
3
7
3
3

∅2718

UNDIVIDED COASTAL PLAIN: Gray, soft, sandy CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray to gray-brown, very loose to loose, clayey fine SAND, wet

190+00.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 172 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50
40
30

S-99.

02/18

UNDIVIDED COASTAL PLAIN: Gray-brown to red-brown, soft to stiff, sandy clayey SILT, moist

UNDIVIDED COASTAL PLAIN; Green-gray to yellow-brown, very loose to medium dense, clayey fine SAND, wet

192 + 00.00

60
50
40

UNDIVIDED COASTAL PLAIN: Gray-brown to red-brown, soft to stiff, sandy clayey SILT, moist

UNDIVIDED COASTAL PLAIN: Green-gray to yellow-brown, very loose to medium dense, clayey fine SAND, wet

191 + 50.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 173 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60
50
40

UNDIVIDED COASTAL PLAIN: Brown to red-gray, medium-stiff, sandy silty slightly plastic CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Brown-gray, loose, clayey fine SAND, wet

## 195+00.00

60
50
40

UNDIVIDED COASTAL PLAIN: Brown to brown-tan, medium stiff to stiff, sandy SILT, wet to saturated

UNDIVIDED COASTAL PLAIN: Gray, white, loose to medium dense, silty SAND, saturated

UNDIVIDED COASTAL PLAIN: Gray, very soft, sandy CLAY, saturated

## 194+50.00

30
70
60
50
40
30

SS-537
SS-538

Pavement

4
11
12
6
WOH

02/18

UNDIVIDED COASTAL PLAIN: Brown to brown-tan, medium stiff to stiff, sandy SILT, wet to saturated

UNDIVIDED COASTAL PLAIN: Gray, white, loose to medium dense, silty SAND, saturated

UNDIVIDED COASTAL PLAIN: Gray, very soft, sandy CLAY, saturated

FIAD

## 194+00.00

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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 174 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50
40

UNDIVIDED COASTAL PLAIN: Brown to red-gray, medium stiff, sandy silty slightly plastic CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Brown-gray, loose, clayey fine SAND, wet

**196 + 50.00**

SS-299

5
7
4
9
5

02/18

UNDIVIDED COASTAL PLAIN: Brown to red-gray, medium stiff, sandy silty slightly plastic CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Brown-gray, loose, clayey fine SAND, wet

**196 + 00.00**

UNDIVIDED COASTAL PLAIN: Brown to red-gray, medium stiff, sandy silty slightly plastic CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Brown-gray, loose, clayey fine SAND, wet

**195 + 50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 175 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50 40 30

S-57
CBR-II

0\18

F1AD

UNDIVIDED COASTAL PLAIN: Brown-tan, very soft to stiff, silty highly plastic CLAY, wet to saturated

198+00.00

70 60 50 40

UNDIVIDED COASTAL PLAIN: Brown-tan, very soft to stiff, silty highly plastic CLAY, wet to saturated

197+50.00

70 60 50 40

UNDIVIDED COASTAL PLAIN: Brown-tan, very soft to stiff, silty highly plastic CLAY, wet to saturated

197+00.00

70 60 50 40

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 176 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50
40

Ⓐ UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff, sandy clayey SILT, moist

Ⓐ

UNDIVIDED COASTAL PLAIN: Red-gray to brown-gray, medium stiff to stiff, sandy CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Gray, medium dense, silty fine SAND, wet

**199 + 50.00**

70
60
50

UNDIVIDED COASTAL PLAIN: Brown-tan, very soft to stiff, silty highly plastic CLAY, wet to saturated

**199 + 00.00**

70
60
50

UNDIVIDED COASTAL PLAIN: Brown-tan, very soft to stiff, silty highly plastic CLAY, wet to saturated

**198 + 50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 177 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50
40

(A) UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff, sandy clayey SILT, moist

(A)

UNDIVIDED COASTAL PLAIN: Red-gray to brown-gray, medium stiff to stiff, sandy CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Gray, medium dense, silty fine SAND, wet

**201+00.00**

70
60
50
40

(A) UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff, sandy clayey SILT, moist

(A)

UNDIVIDED COASTAL PLAIN: Red-gray to brown-gray, medium stiff to stiff, sandy CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Gray, medium dense, silty fine SAND, wet

**200+50.00**

80
70
60
50
40
30

(A) UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff, sandy clayey SILT, moist

(A)

SS-294

4
6
9
6
15

DRY
1/18

UNDIVIDED COASTAL PLAIN: Red-gray to brown-gray, medium stiff to stiff, sandy CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Gray, medium dense, silty fine SAND, wet

**200+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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0 5 10

| PROJ. REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 178 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50

UNDIVIDED COASTAL PLAIN: Dark brown to brown-gray, medium stiff to stiff, fine sandy clayey SILT, moist

UNDIVIDED COASTAL PLAIN: Brown-gray to gray, medium stiff to stiff, silty CLAY, moist to wet

**202+50.00**

80
70

SS-289

60
50
40

7
8
9
6
7

FIAD

UNDIVIDED COASTAL PLAIN: Dark brown to brown-gray, medium stiff to stiff, fine sandy clayey SILT, moist

UNDIVIDED COASTAL PLAIN: Brown-gray to gray, medium stiff to stiff, silty CLAY, moist to wet

**202+00.00**

70
60
50

UNDIVIDED COASTAL PLAIN: Dark brown to brown-gray, medium stiff to stiff, fine sandy clayey SILT, moist

UNDIVIDED COASTAL PLAIN: Brown-gray to gray, medium stiff to stiff, silty CLAY, moist to wet

**201+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 179 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50 40

Ⓐ UNDIVIDED COASTAL PLAIN: Gray-brown, soft to medium stiff, sandy clayey SILT, moist

Ⓐ

S-93

02/18

UNDIVIDED COASTAL PLAIN: Yellow-brown to yellow-gray to red-brown, soft to stiff, sandy silty CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray, very loose to medium dense, clayey fine SAND, wet

**204+00.00**

Ⓐ UNDIVIDED COASTAL PLAIN: Gray-brown, soft to medium stiff, sandy clayey SILT, moist

Ⓐ

UNDIVIDED COASTAL PLAIN: Yellow-brown to yellow-gray to red-brown, soft to stiff, sandy silty CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray, very loose to medium dense, clayey fine SAND, wet

**203+50.00**

Ⓐ UNDIVIDED COASTAL PLAIN: Gray-brown, soft to medium stiff, sandy clayey SILT, moist

Ⓐ

UNDIVIDED COASTAL PLAIN: Yellow-brown to yellow-gray to red-brown, soft to stiff, sandy silty CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray, very loose to medium dense, clayey fine SAND, wet

**203+00.00**

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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 180 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50 40

(A) UNDIVIDED COASTAL PLAIN: Gray-black, soft, fine sandy clayey SILT, moist

(A)

UNDIVIDED COASTAL PLAIN: Gray-brown to gray-white, stiff, silty CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: White-gray, loose, fine SAND, wet

**205+50.00**

70 60 50 40

(A) UNDIVIDED COASTAL PLAIN: Gray-black, soft, fine sandy clayey SILT, moist

(A)

UNDIVIDED COASTAL PLAIN: Gray-brown to gray-white, stiff, silty CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: White-gray, loose, fine SAND, wet

**205+00.00**

80 70 60 50 40

(A) UNDIVIDED COASTAL PLAIN: Gray-brown, soft to medium stiff, sandy clayey SILT, moist

(A)

UNDIVIDED COASTAL PLAIN: Yellow-brown to yellow-gray to red-brown, soft to stiff, sandy silty CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray, very loose to medium dense, clayey fine SAND, wet

**204+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 181 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50 40

Ⓐ UNDIVIDED COASTAL PLAIN: Gray-brown, soft, sandy clayey SILT, moist

SS-279

Ⓐ

UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff, sandy CLAY, moist

UNDIVIDED COASTAL PLAIN: Brown-gray to gray, loose to medium dense, silty clayey fine SAND, moist to wet

3 6 7 4 15

01/17

**208+00.00**

80 70 60 50 40

SS-284

Ⓐ UNDIVIDED COASTAL PLAIN: Gray-black, soft, fine sandy clayey SILT, moist

Ⓐ

2 9 8 8 5

01/18

UNDIVIDED COASTAL PLAIN: Gray-brown to gray-white, stiff, silty CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: White-gray, loose, fine SAND, wet

FIAD

**206+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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6/23/16

| 0 10 20 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 182 |

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

80 60 40 20 0

Ⓐ UNDIVIDED COASTAL PLAIN: Brown, medium stiff, sandy clayey SILT, moist

SS-274

Ⓐ

UNDIVIDED COASTAL PLAIN: Pink-brown to dark brown, soft to medium stiff, silty sandy CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Yellow-gray, very loose, clayey SAND, wet

5 5 3 7 2

01/18

212+00.00

Ⓐ ROADWAY EMBANKMENT: Brown, loose, silty SAND, wet

Ⓑ UNDIVIDED COASTAL PLAIN: Dark gray, soft to medium stiff, clayey SILT, wet

S-55

Ⓐ Ⓑ

01/18

UNDIVIDED COASTAL PLAIN: Gray, soft to stiff, silty CLAY, wet

210+00.00

80 60 40 20 0

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 183 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50

UNDIVIDED COASTAL PLAIN: Brown to yellow-brown to brown-gray, soft to stiff, sandy silty slightly plastic CLAY, moist

**215+00.00**

80
70
60
50
40

(A) UNDIVIDED COASTAL PLAIN: Brown, soft, sandy clayey SILT, moist

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff, sandy CLAY, wet

UNDIVIDED COASTAL PLAIN: Brown-gray, loose, clayey fine SAND, wet

UNDIVIDED COASTAL PLAIN: Gray, medium stiff, sandy CLAY, wet

UNDIVIDED COASTAL PLAIN: Brown-yellow, loose, fine silty SAND, wet

**214+50.00**

80
70
60
50
40

(A) UNDIVIDED COASTAL PLAIN: Brown, soft, sandy clayey SILT, moist

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

SS-269

(2) (4) (4) (4) (4)

01/18

UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff, sandy CLAY, wet

UNDIVIDED COASTAL PLAIN: Brown-gray, loose, clayey fine SAND, wet

UNDIVIDED COASTAL PLAIN: Gray, medium stiff, sandy CLAY, wet

UNDIVIDED COASTAL PLAIN: Brown-yellow, loose, fine silty SAND, wet

**214+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 184 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50

UNDIVIDED COASTAL PLAIN: Brown to yellow-brown to brown-gray, soft to stiff, sandy silty slightly plastic CLAY, moist

**216 + 50.00**

80
70

S-88

60
50
40

UNDIVIDED COASTAL PLAIN: Brown to yellow-brown to brown-gray, soft to stiff, sandy silty slightly plastic CLAY, moist

01/18

**216 + 00.00**

70
60
50

UNDIVIDED COASTAL PLAIN: Brown to yellow-brown to brown-gray, soft to stiff, sandy silty slightly plastic CLAY, moist

**215 + 50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 185 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50 40

SS-304
CBR-12

6
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6
5
3

01/18

UNDIVIDED COASTAL PLAIN: Brown to brown-black, medium stiff to stiff, silty slightly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray-tan-orange, soft to medium stiff, sandy SILT, wet to saturated

**218+00.00**

70 60 50 40

UNDIVIDED COASTAL PLAIN: Brown to brown-black, medium stiff to stiff, silty slightly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray-tan-orange, soft to medium stiff, sandy SILT, wet to saturated

**217+50.00**

70 60 50 40

UNDIVIDED COASTAL PLAIN: Brown to brown-black, medium stiff to stiff, silty slightly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray-tan-orange, soft to medium stiff, sandy SILT, wet to saturated

**217+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 186 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50
40

UNDIVIDED COASTAL PLAIN: Brown to brown-gray, soft to medium stiff, sandy silty slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Red-yellow, loose, clayey fine SAND, wet

UNDIVIDED COASTAL PLAIN: Green-gray, soft, silty CLAY, wet

**219 + 50.00**

70
60
50
40

UNDIVIDED COASTAL PLAIN: Brown to brown-black, medium stiff to stiff, silty slightly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray-tan-orange, soft to medium stiff, sandy SILT, wet to saturated

**219 + 00.00**

70
60
50
40

UNDIVIDED COASTAL PLAIN: Brown to brown-black, medium stiff to stiff, silty slightly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray-tan-orange, soft to medium stiff, sandy SILT, wet to saturated

**218 + 50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 187 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50
40

UNDIVIDED COASTAL PLAIN: Brown to brown-gray, soft to medium stiff, sandy silty slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Red-yellow, loose, clayey fine SAND, wet

**221+00.00**

70
60
50
40

UNDIVIDED COASTAL PLAIN: Brown to brown-gray, soft to medium stiff, sandy silty slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Red-yellow, loose, clayey fine SAND, wet

UNDIVIDED COASTAL PLAIN: Green-gray, soft, silty CLAY, wet

**220+50.00**

80
70
60
50
40

SS-264

3
7
7
5
3

01/18

UNDIVIDED COASTAL PLAIN: Brown to brown-gray, soft to medium stiff, sandy silty slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Red-yellow, loose, clayey fine SAND, wet

UNDIVIDED COASTAL PLAIN: Green-gray, soft, silty CLAY, wet

**220+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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abcoop

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 188 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50
40

UNDIVIDED COASTAL PLAIN: Brown-tan, soft to stiff, clayey SILT, wet

UNDIVIDED COASTAL PLAIN: Brown-orange, soft to stiff, silty CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray-brown, loose, clayey SAND, saturated

**222+50.00**

80
70
60
50
40

S-105

Pavement

02/18

FIAD

UNDIVIDED COASTAL PLAIN: Brown-tan, soft to stiff, clayey SILT, wet

UNDIVIDED COASTAL PLAIN: Brown-orange, soft to stiff, silty CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray-brown, loose, clayey SAND, saturated

**222+00.00**

70
60
50
40

UNDIVIDED COASTAL PLAIN: Brown-tan, soft to stiff, clayey SILT, wet

UNDIVIDED COASTAL PLAIN: Brown-orange, soft to stiff, silty CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray-brown, loose, clayey SAND, saturated

**221+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 189 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80
70
60
50
40

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

SS-260

UNDIVIDED COASTAL PLAIN: Brown, soft, sandy SILT, moist

UNDIVIDED COASTAL PLAIN: Gray-brown to yellow-gray to green-gray, soft to medium stiff, sandy silty slightly plastic CLAY, moist to wet

3
4
6
5
3

01/18

**224+00.00**

70
60
50

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown, soft, sandy SILT, moist

UNDIVIDED COASTAL PLAIN: Gray-brown to yellow-gray to green-gray, soft to medium stiff, sandy silty slightly plastic CLAY, moist to wet

**223+50.00**

70
60
50

UNDIVIDED COASTAL PLAIN: Brown, soft, sandy SILT, moist

UNDIVIDED COASTAL PLAIN: Gray-brown to yellow-gray to green-gray, soft to medium stiff, sandy silty slightly plastic CLAY, moist to wet

**223+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 190 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50
40
30

Ⓐ UNDIVIDED COASTAL PLAIN: Dark brown, soft to stiff, fine sandy clayey SILT, moist

S-83

UNDIVIDED COASTAL PLAIN: Brown to yellow to brown-gray to gray, soft to stiff, silty CLAY, moist to wet

01/18

**228+00.00**

80
70
60
50
40
30

Ⓐ UNDIVIDED COASTAL PLAIN: Brown, medium stiff, fine sandy clayey SILT, moist

SS-304

UNDIVIDED COASTAL PLAIN: gray-yellow to green-gray, soft to medium stiff, silty CLAY, moist to wet

4
5
7
4
3

01/18

FIAD

**226+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 191 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50 40 30

ROADWAY EMBANKMENT: Brown-gray, loose to medium, dense silty SAND and, soft to stiff, sandy clayey SILT, moist to wet

SS-254

UNDIVIDED COASTAL PLAIN: Brown, soft, sandy SILT, moist

UNDIVIDED COASTAL PLAIN: Gray-yellow- to-gray to green-gray, soft to stiff, silty sandy CLAY, moist

3 9 7 5 2

01/18

**232+00.00**

SS-299
SS-300

(A) UNDIVIDED COASTAL PLAIN: Brown, medium stiff, sandy SILT, WET

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

7 3 6 5 2

01/18

UNDIVIDED COASTAL PLAIN: Brown to gray, soft to medium stiff, silty moderately plastic CLAY, wet to saturated

**230+00.00**

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 192 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50
40

UNDIVIDED COASTAL PLAIN: Brown-tan, soft to very stiff, silty, moderately plastic, CLAY, wet to saturated.

**233+50.00**

70
60
50
40

UNDIVIDED COASTAL PLAIN: Brown-tan, soft to very stiff, silty, moderately plastic, CLAY, wet to saturated.

**233+00.00**

70
60
50
40

UNDIVIDED COASTAL PLAIN: Brown, soft, sandy SILT, moist

UNDIVIDED COASTAL PLAIN: Gray-yellow to gray to green-gray, soft to stiff, silty sandy CLAY, moist

**232+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 193 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40

UNDIVIDED COASTAL PLAIN: Tan to brown-gray, soft to medium stiff, sandy silty moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Yellow-brown, very loose to loose, clayey fine to medium SAND, wet

**235+50.00**

70 60 50 40

UNDIVIDED COASTAL PLAIN: Tan to brown-gray, soft to medium stiff, sandy silty moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Yellow-brown, very loose to loose, clayey fine to medium SAND, wet

**235+00.00**

70 60 50 40

UNDIVIDED COASTAL PLAIN: Brown-tan, soft to very stiff, silty moderately plastic CLAY, wet to saturated

**234+50.00**

S-53

70 60 50 40 30

01/18

UNDIVIDED COASTAL PLAIN: Brown-tan, soft to very stiff, silty moderately plastic CLAY, wet to saturated

FILL

**234+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 194 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60
50
40

UNDIVIDED COASTAL PLAIN: Brown to brown-tan-red-gray, soft to medium stiff, silty slightly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, medium stiff, sandy clayey SILT, wet

**237+00.00**

70
60
50
40

UNDIVIDED COASTAL PLAIN: Tan to brown-gray, soft to medium stiff, sandy silty moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Yellow-brown, very loose to loose, clayey fine to medium SAND, wet

**236+50.00**

80
70
60
50
40

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

SS-249

3
8
7
5
2

01/18

UNDIVIDED COASTAL PLAIN: Tan to brown-gray, soft to medium stiff, sandy silty moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Yellow-brown, very loose to loose, clayey fine to medium SAND, wet

**236+00.00**



150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 195 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown to gray, soft to very stiff, silty moderately plastic CLAY, moist

**239+50.00**

70
60
50
40
30

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown to brown-tan-red-gray, soft to medium stiff, silty slightly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, medium stiff, sandy clayey SILT, wet

**239+00.00**

80
70
60
50
40
30

SS-294

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

4
4
7
3
4

01/18

UNDIVIDED COASTAL PLAIN: Brown to brown-tan-red-gray, soft to medium stiff, silty slightly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, medium stiff, sandy clayey SILT, wet

**238+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 196 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50
40

(A) UNDIVIDED COASTAL PLAIN: Brown, medium stiff, sandy clayey SILT, wet

(A)

UNDIVIDED COASTAL PLAIN: Gray to gray-red-brown, medium stiff to stiff, fine sandy silty highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, very loose, clayey fine SAND, wet

**241 + 50.00**

70
60
50

UNDIVIDED COASTAL PLAIN: Brown to gray, soft to very stiff, silty moderately plastic CLAY, moist

**241 + 00.00**

70
60
50
80
70
60
50
40

UNDIVIDED COASTAL PLAIN: Brown to gray, soft to very stiff, silty moderately plastic CLAY, moist

**240 + 50.00**

S-51
CBR-13

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

01/18

UNDIVIDED COASTAL PLAIN: Brown to gray, soft to very stiff, silty moderately plastic CLAY, moist

**240 + 00.00**

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150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 197 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50 40

SS-273

4 9 11 15 7

01/18

UNDIVIDED COASTAL PLAIN: Dark brown, medium stiff, clayey SILT, moist

UNDIVIDED COASTAL PLAIN: Brown-tan, stiff to very stiff, silty CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, medium stiff, sandy SILT, saturated

**244+00.00**

SS-278
SS-279

A UNDIVIDED COASTAL PLAIN: Brown, medium stiff, sandy clayey SILT, wet A

5 4 8 13 3

01/18

UNDIVIDED COASTAL PLAIN: Gray to gray-red-brown, medium stiff to stiff, fine sandy silty highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, very loose, clayey fine SAND, wet

**242+00.00**



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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 198 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50 40

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, sandy silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Brown-tan, very loose to medium dense, clayey fine SAND, wet

**245+50.00**

70 60 50 40

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, sandy silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Brown-tan, very loose to medium dense, clayey fine SAND, wet

**245+00.00**

70 60 50 40

UNDIVIDED COASTAL PLAIN: Dark brown, medium stiff, clayey SILT, moist

UNDIVIDED COASTAL PLAIN: Brown-tan, stiff to very stiff, silty CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, medium stiff, sandy SILT, saturated

**244+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 199 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50
40

UNDIVIDED COASTAL PLAIN: Brown to red-brown, medium stiff to stiff, fine sandy highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Red-brown, medium dense, clayey fine SAND, wet

UNDIVIDED COASTAL PLAIN: Brown, soft, fine sandy CLAY, saturated

**247+00.00**

70
60
50
40

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, sandy silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Brown-tan, very loose to medium dense, clayey fine SAND, wet

**246+50.00**

80
70
60
50
40

S-48

01/18

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, sandy silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Brown-tan, very loose to medium dense, clayey fine SAND, wet

**246+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 200 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50
40

UNDIVIDED COASTAL PLAIN: Brown to red-brown, medium stiff to stiff, fine sandy highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Red-brown, medium dense, clayey fine SAND, wet

UNDIVIDED COASTAL PLAIN: Brown, soft, fine sandy CLAY, saturated

**248+50.00**

80
70
60
50
40
30

SS-269

4
10
16
11
2

01/18

UNDIVIDED COASTAL PLAIN: Brown to red-brown, medium stiff to stiff, fine sandy highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Red-brown, medium dense, clayey fine SAND, wet

UNDIVIDED COASTAL PLAIN: Brown, soft, fine sandy CLAY, saturated

**248+00.00**

70
60
50
40

UNDIVIDED COASTAL PLAIN: Brown to red-brown, medium stiff to stiff, fine sandy highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Red-brown, medium dense, clayey fine SAND, wet

UNDIVIDED COASTAL PLAIN: Brown, soft, fine sandy CLAY, saturated

**247+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 201 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50 40

SS-263

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01/18

UNDIVIDED COASTAL PLAIN: Brown to red-brown, medium stiff to stiff, moderately plastic silty CLAY, wet

UNDIVIDED COASTAL PLAIN: Red-brown, soft to stiff, sandy clayey SILT, saturated

250+00.00

UNDIVIDED COASTAL PLAIN: Brown to red-brown, medium stiff to stiff, moderately plastic silty CLAY, wet

UNDIVIDED COASTAL PLAIN: Red-brown, soft to stiff, sandy clayey SILT, saturated

249+50.00

UNDIVIDED COASTAL PLAIN: Brown to red-brown, medium stiff to stiff, fine sandy highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Red-brown, medium dense, clayey fine SAND, wet

UNDIVIDED COASTAL PLAIN: Brown, soft, fine sandy CLAY, saturated

249+00.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 202 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
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UNDIVIDED COASTAL PLAIN: Brown to gray to gray-tan, medium stiff to stiff, fine sandy silty CLAY, wet to saturated

**251+50.00**

70
60
50
40

UNDIVIDED COASTAL PLAIN: Brown to red-brown, medium stiff to stiff, moderately plastic silty CLAY, wet

UNDIVIDED COASTAL PLAIN: Red-brown, soft to stiff, sandy clayey SILT, saturated

**251+00.00**

70
60
50
40

UNDIVIDED COASTAL PLAIN: Brown to red-brown, medium stiff to stiff, moderately plastic silty CLAY, wet

UNDIVIDED COASTAL PLAIN: Red-brown, soft to stiff, sandy clayey SILT, saturated

**250+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 203 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50
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UNDIVIDED COASTAL PLAIN: Light brown-tan to red-gray-brown, medium stiff to stiff, sandy silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Red-gray-brown to gray-tan, loose to medium dense, clayey fine SAND, wet to saturated

**253+00.00**

70
60
50

UNDIVIDED COASTAL PLAIN: Brown to gray to gray-tan, medium stiff to stiff, fine sandy silty CLAY, wet to saturated

**252+50.00**

80
70
60
50
40

S-45

01/18

UNDIVIDED COASTAL PLAIN: Brown to gray to gray-tan, medium stiff to stiff, fine sandy silty CLAY, wet to saturated

**252+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 204 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
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40

UNDIVIDED COASTAL PLAIN: Light brown-tan to red-gray-brown, medium stiff to stiff, sandy silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Red-gray-brown to gray-tan, loose to medium dense, clayey fine SAND, wet to saturated

**254+50.00**

80
70
60
50
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SS-258

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13
18
18
4

01/18

UNDIVIDED COASTAL PLAIN: Light brown-tan to red-gray-brown, medium stiff to stiff, sandy silty, moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Red-gray-brown to gray-tan, loose to medium dense, clayey fine SAND, wet to saturated

**254+00.00**

70
60
50
40

UNDIVIDED COASTAL PLAIN: Light brown-tan to red-gray-brown, medium stiff to stiff, sandy silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Red-gray-brown to gray-tan, loose to medium dense, clayey fine SAND, wet to saturated

**253+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 205 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50 40

Ⓐ ROADWAY EMBANKMENT: Brown, stiff, sandy SILT, little organics, moist

SS-285

10 14 26 17 3

01/18

UNDIVIDED COASTAL PLAIN: Brown-red-gray, stiff, silty highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Brown-red to gray, very loose to medium dense, silty fine SAND, moist to saturated

**256+00.00**

70 60 50 40

UNDIVIDED COASTAL PLAIN: Brown-red-gray, stiff, silty highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Brown-red to gray, very loose to medium dense, silty fine SAND, moist to saturated

**255+50.00**

70 60 50 40

UNDIVIDED COASTAL PLAIN: Light brown-tan to red-gray-brown, medium stiff to stiff, sandy silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Red-gray-brown to gray-tan, loose to medium dense, clayey fine SAND, wet to saturated

**255+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 206 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50 40

UNDIVIDED COASTAL PLAIN: Brown-tan, medium stiff to stiff, silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Brown-orange, very loose to medium dense, silty fine SAND, saturated

**257+50.00**

70 60 50 40

UNDIVIDED COASTAL PLAIN: Brown-red-gray, stiff, silty highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Brown-red to gray, very loose to medium dense, silty fine SAND, moist to saturated

**257+00.00**

70 60 50

(A) ROADWAY EMBANKMENT: Brown, stiff, sandy SILT, little organics, moist

UNDIVIDED COASTAL PLAIN: Brown-red-gray, stiff, silty highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Brown-red to gray, very loose to medium dense, silty fine SAND, moist to saturated

**256+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 207 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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60
50
40

UNDIVIDED COASTAL PLAIN: Brown-tan, medium stiff to stiff, silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Brown-orange, very loose to medium dense, silty fine SAND, saturated

**259+00.00**

70
60
50
40

UNDIVIDED COASTAL PLAIN: Brown-tan, medium stiff to stiff, silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Brown-orange, very loose to medium dense, silty fine SAND, saturated

**258+50.00**

80
70
60
50
40
30

S-108

02/18

UNDIVIDED COASTAL PLAIN: Brown-tan, medium stiff to stiff, silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Brown-orange, very loose to medium dense, silty fine SAND, saturated

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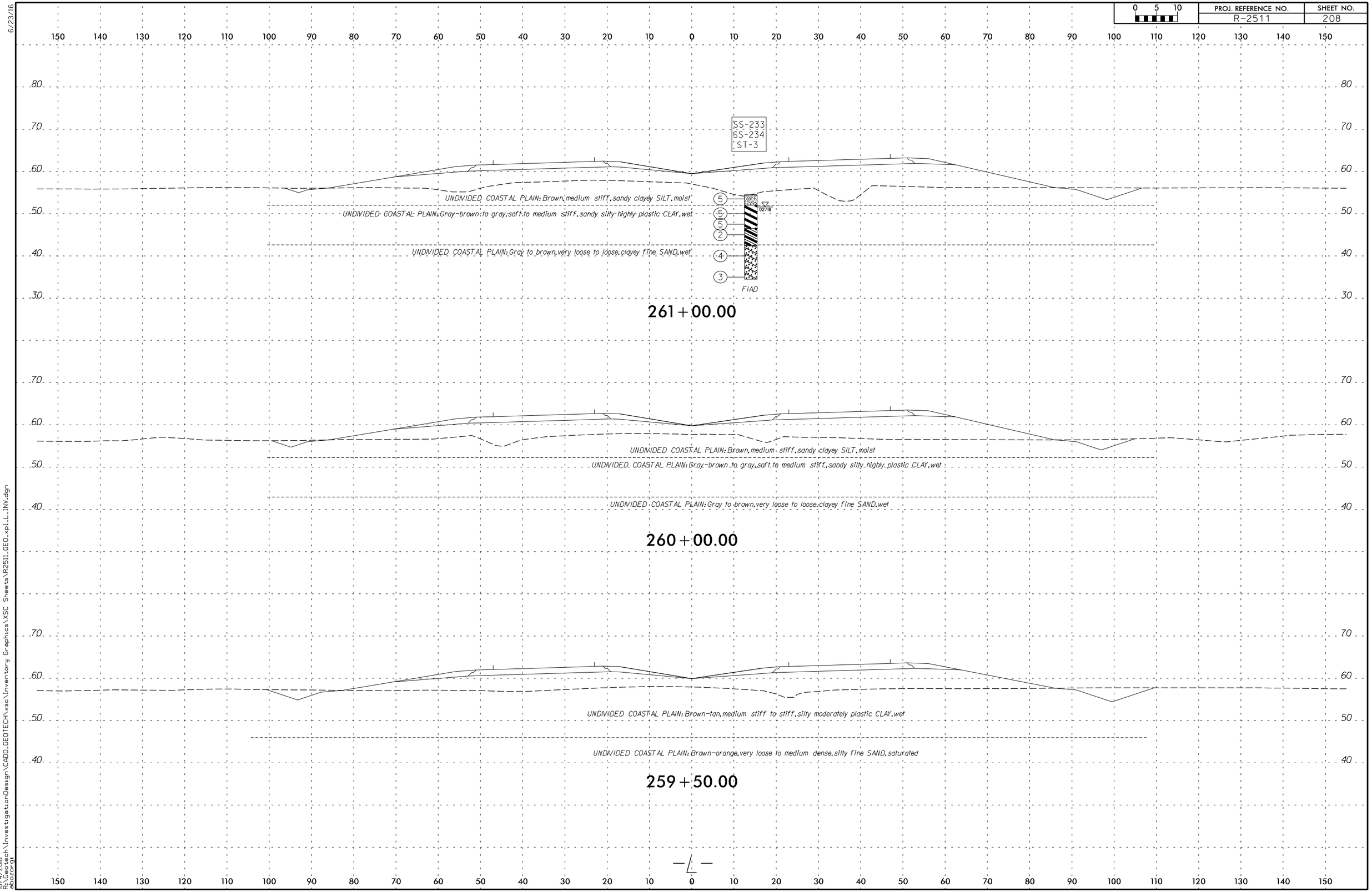
**258+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 208 |




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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 209 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50 40

UNDIVIDED COASTAL PLAIN: Dark brown, medium stiff, silty slightly plastic CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Gray-orange, very loose to loose, clayey fine SAND, saturated

**262+50.00**

SS-289

7 7 7 4 1

01/18

UNDIVIDED COASTAL PLAIN: Dark brown, medium stiff, silty slightly plastic CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Gray-orange, very loose to loose, clayey fine SAND, saturated

**262+00.00**

(A) UNDIVIDED COASTAL PLAIN: Brown, medium stiff, sandy clayey SILT, moist

A

UNDIVIDED COASTAL PLAIN: Gray-brown to gray, soft to medium stiff, sandy silty highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray to brown, very loose to loose, clayey fine SAND, wet

**261+50.00**

70 60 50 40 30

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 210 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50 40

S-261

01/18

UNDIVIDED COASTAL PLAIN: Orange-tan-gray, soft to stiff, fine sandy silty moderately plastic CLAY, trace organics, moist

UNDIVIDED COASTAL PLAIN: Light gray, very loose to loose, clayey fine to medium SAND, saturated

**264+00.00**

70 60 50 40

UNDIVIDED COASTAL PLAIN: Orange-tan-gray, soft to stiff, fine sandy silty moderately plastic CLAY, trace organics, moist

UNDIVIDED COASTAL PLAIN: Light gray, very loose to loose, clayey fine to medium SAND, saturated

**263+50.00**

70 60 50 40

UNDIVIDED COASTAL PLAIN: Orange-tan-gray, soft to stiff, fine sandy silty moderately plastic CLAY, trace organics, moist

UNDIVIDED COASTAL PLAIN: Light gray, very loose to loose, clayey fine to medium SAND, saturated

**263+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 211 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
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UNDIVIDED COASTAL PLAIN: Brown to yellow-tan to gray, medium stiff to stiff, fine sandy silty moderately to slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Light gray, very loose to loose, clayey fine to medium SAND, moist to saturated

**265+50.00**

70
60
50
40

UNDIVIDED COASTAL PLAIN: Orange-tan-gray, soft to stiff, fine sandy silty moderately plastic CLAY, trace organics, moist

UNDIVIDED COASTAL PLAIN: Light gray, very loose to loose, clayey fine to medium SAND, saturated

**265+00.00**

70
60
50
40

UNDIVIDED COASTAL PLAIN: Orange-tan-gray, soft to stiff, fine sandy silty moderately plastic CLAY, trace organics, moist

UNDIVIDED COASTAL PLAIN: Light gray, very loose to loose, clayey fine to medium SAND, saturated

**264+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 212 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50
40

UNDIVIDED COASTAL PLAIN: Brown to yellow-tan to gray, medium stiff to stiff, fine sandy silty moderately to slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Light gray, very loose to loose, clayey fine to medium SAND, moist to saturated

**267+00.00**

70
60
50
40

UNDIVIDED COASTAL PLAIN: Brown to yellow-tan to gray, medium stiff to stiff, fine sandy silty moderately to slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Light gray, very loose to loose, clayey fine to medium SAND, moist to saturated

**266+50.00**

80
70
60
50
40

SS-256
SS-257

6
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8
6
3

01/18

UNDIVIDED COASTAL PLAIN: Brown to yellow-tan to gray, medium stiff to stiff, fine sandy silty moderately to slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Light gray, very loose to loose, clayey fine to medium SAND, moist to saturated

**266+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 213 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50 40 30

Ⓐ UNDIVIDED COASTAL PLAIN: Tan, soft, fine sandy clayey SILT, trace organics, moist

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

SS-250
SS-251

01/18

UNDIVIDED COASTAL PLAIN: Gray-yellow, medium stiff to stiff, fine sandy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Dark gray, very loose, clayey fine to medium SAND, wet

UNDIVIDED COASTAL PLAIN: Yellow-tan-gray, soft, fine sandy CLAY, wet

3 9 5 3 2

268+00.00

Ⓐ ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

Ⓑ UNDIVIDED COASTAL PLAIN: Tan, soft, fine sandy clayey SILT, trace organics, moist

UNDIVIDED COASTAL PLAIN: Gray-yellow, medium stiff to stiff, fine sandy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Dark gray, very loose, clayey fine to medium SAND, wet

UNDIVIDED COASTAL PLAIN: Yellow-tan-gray, soft, fine sandy CLAY, wet

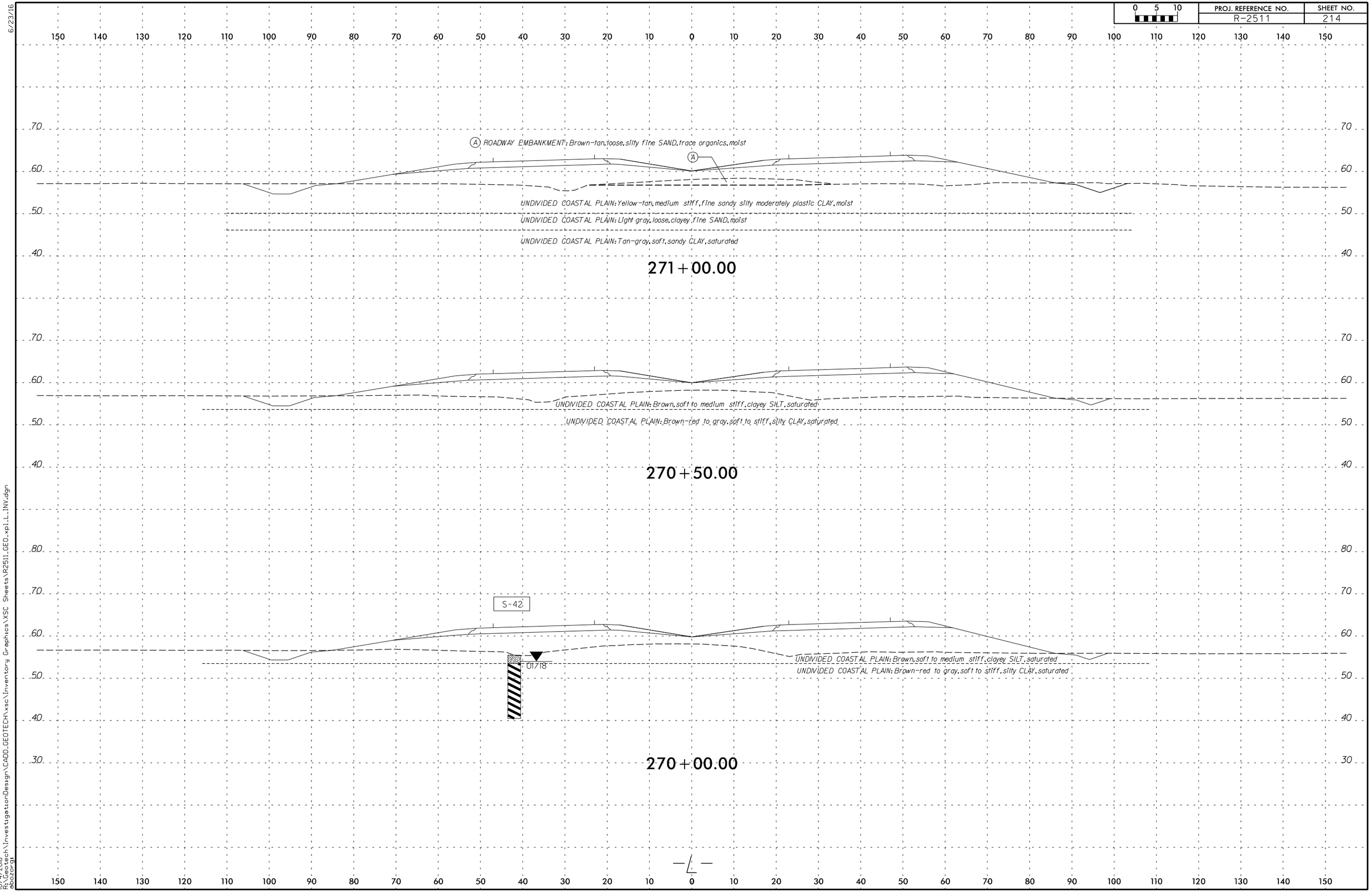
267+50.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 214 |




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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 215 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50
40

Ⓐ ROADWAY EMBANKMENT: Brown-tan, loose, silty fine SAND, trace organics, moist

UNDIVIDED COASTAL PLAIN: Yellow-tan, medium stiff, fine sandy silty moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Light gray, loose, clayey fine SAND, moist

UNDIVIDED COASTAL PLAIN: Tan-gray, soft, sandy CLAY, saturated

**272+50.00**

80
70
60
50
40

Ⓐ ROADWAY EMBANKMENT: Brown-tan, loose, silty fine SAND, trace organics, moist

SS-246

8
5
7
7
3

01/18

UNDIVIDED COASTAL PLAIN: Yellow-tan, medium stiff, fine sandy silty moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Light gray, loose, clayey fine SAND, moist

UNDIVIDED COASTAL PLAIN: Tan-gray, soft, sandy CLAY, saturated

**272+00.00**

70
60
50
40

Ⓐ ROADWAY EMBANKMENT: Brown-tan, loose, silty fine SAND, trace organics, moist

UNDIVIDED COASTAL PLAIN: Yellow-tan, medium stiff, fine sandy silty moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Light gray, loose, clayey fine SAND, moist

UNDIVIDED COASTAL PLAIN: Tan-gray, soft, sandy CLAY, saturated

**271+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 216 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50 40

SS-253
SS-254

(A) ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet
(B) UNDIVIDED COASTAL PLAIN: Dark brown, medium stiff, clayey SILT, moist

(4) (7) (4) (3) (2) 01/18

UNDIVIDED COASTAL PLAIN: Gray-brown-red to gray, medium stiff, silty sandy highly plastic CLAY, wet to saturated
UNDIVIDED COASTAL PLAIN: Gray, soft, clayey sandy SILT, saturated
UNDIVIDED COASTAL PLAIN: Gray, soft, silty CLAY, saturated

**274+00.00**

(A) UNDIVIDED COASTAL PLAIN: Dark brown, medium stiff, clayey SILT, moist
ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Gray-brown-red to gray, medium stiff, silty sandy highly plastic CLAY, wet to saturated
UNDIVIDED COASTAL PLAIN: Gray, soft, clayey sandy SILT, saturated
UNDIVIDED COASTAL PLAIN: Gray, soft, silty CLAY, saturated

**273+00.00**

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 217 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50 40

UNDIVIDED COASTAL PLAIN: Brown-gray-red, medium stiff to stiff, sandy silty moderately plastic CLAY, moist to saturated

UNDIVIDED COASTAL PLAIN: Gray, soft, clayey SILT, saturated

**277+00.00**

70 60 50 40

UNDIVIDED COASTAL PLAIN: Gray to orange-tan, soft to stiff, fine sandy silty slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Light gray, very loose to medium dense, clayey fine SAND, saturated

**276+50.00**

80 70 60 50 40

(A) ROADWAY EMBANKMENT: Brown, loose, silty SAND, moist

S-242

UNDIVIDED COASTAL PLAIN: Gray to orange-tan, soft to stiff, fine sandy silty slightly plastic CLAY, moist

01/18

UNDIVIDED COASTAL PLAIN: Light gray, very loose to medium dense, clayey fine SAND, saturated

**276+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 218 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50
40

Ⓐ UNDIVIDED COASTAL PLAIN: Brown, medium stiff, sandy SILT, moist

UNDIVIDED COASTAL PLAIN: Brown-gray-red, medium stiff to stiff, sandy silty moderately plastic CLAY, moist to saturated

UNDIVIDED COASTAL PLAIN: Gray, soft, clayey SILT, saturated

**278+50.00**

80
70
60
50
40

SS-248
SS-249

Ⓐ UNDIVIDED COASTAL PLAIN: Brown, medium stiff, sandy SILT, moist

4
8
5
4
2

01/18

UNDIVIDED COASTAL PLAIN: Brown-gray-red, medium stiff to stiff, sandy silty moderately plastic CLAY, moist to saturated

UNDIVIDED COASTAL PLAIN: Gray, soft, clayey SILT, saturated

**278+00.00**

70
60
50
40

Ⓐ UNDIVIDED COASTAL PLAIN: Brown, medium stiff, sandy SILT, moist

UNDIVIDED COASTAL PLAIN: Brown-gray-red, medium stiff to stiff, sandy silty moderately plastic CLAY, moist to saturated

UNDIVIDED COASTAL PLAIN: Gray, soft, clayey SILT, saturated

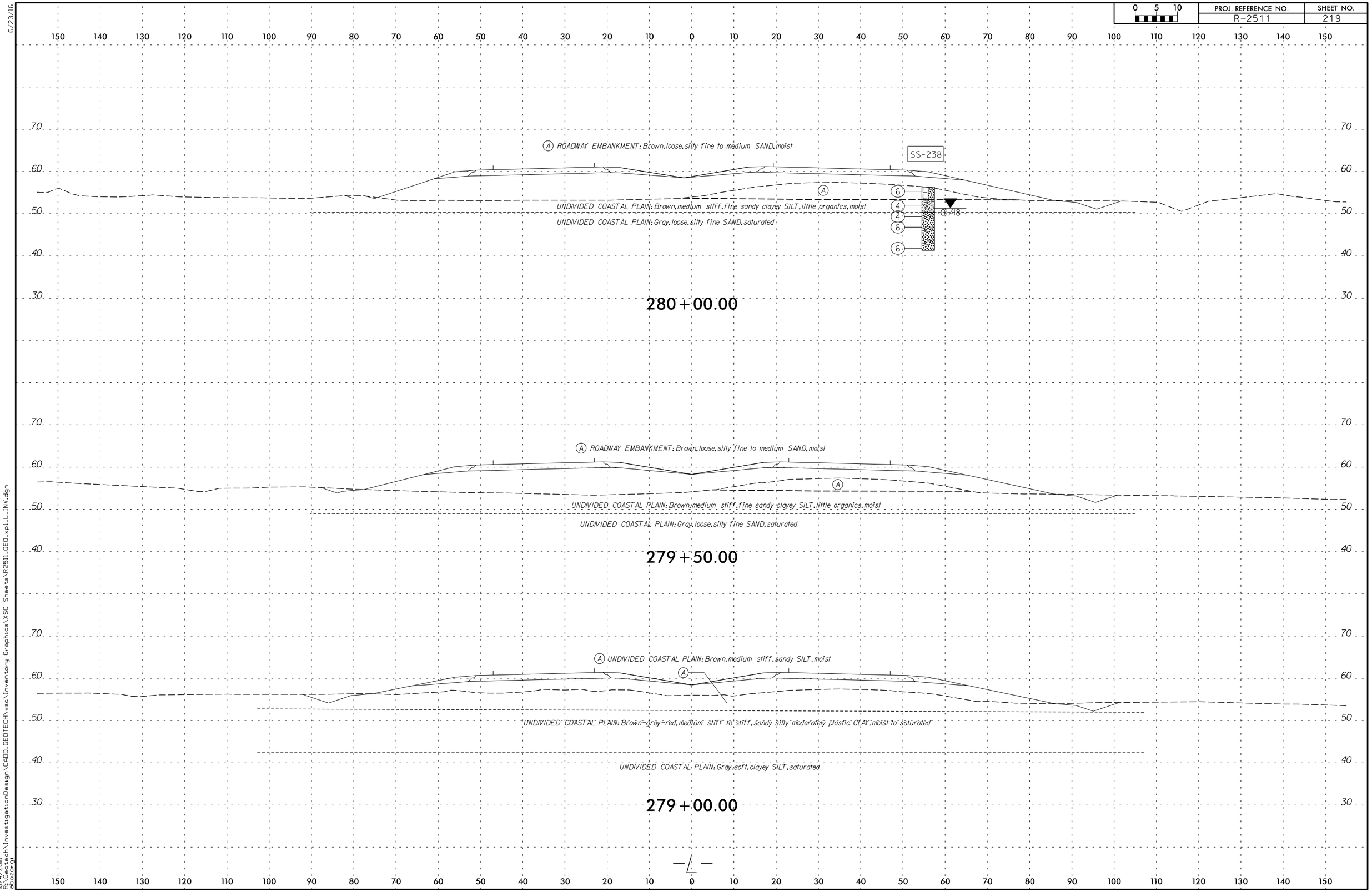
**277+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
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| | R-2511 | 219 |




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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 220 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50
40

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown, soft to stiff, silty slightly plastic CLAY, wet

**281+50.00**

80
70
60
50
40
30

SS-239
SS-240
ST-4

02/18

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9
7

FIAD

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Dark brown to brown-gray, soft, sandy clayey SILT, wet

UNDIVIDED COASTAL PLAIN: Tan-gray, very loose, clayey fine to medium SAND, wet

UNDIVIDED COASTAL PLAIN: Green-gray, medium stiff to stiff, fine sandy silty slightly plastic CLAY, wet

**281+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 221 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50 40

UNDIVIDED COASTAL PLAIN: Brown, soft to stiff, silty, slightly plastic CLAY, wet

**283+00.00**

70 60 50 40

UNDIVIDED COASTAL PLAIN: Brown, soft to stiff, silty, slightly plastic CLAY, wet

**282+50.00**

80 70 60 50 40 30

S-40

01/18

UNDIVIDED COASTAL PLAIN: Brown, soft to stiff, silty, slightly plastic CLAY, wet

**282+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 222 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
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40

Ⓐ ROADWAY EMBANKMENT: Brown, medium dense, clayey sandy SILT, wet

UNDIVIDED COASTAL PLAIN: Gray-brown to gray, medium stiff, sandy CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, very loose, clayey SAND, saturated

**284+50.00**

80
70
60
50
40

Ⓐ ROADWAY EMBANKMENT: Brown, medium dense, clayey sandy SILT, wet

SS-546
CBR-14

Pavement

13
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6
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B3
02/18
FIAD

UNDIVIDED COASTAL PLAIN: Gray-brown to gray, medium stiff, sandy CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, very loose, clayey SAND, saturated

**284+00.00**

70
60
50
40
30

Ⓐ ROADWAY EMBANKMENT: Brown, medium dense, clayey sandy SILT, wet

UNDIVIDED COASTAL PLAIN: Gray-brown to gray, medium stiff, sandy CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, very loose, clayey SAND, saturated

**283+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 223 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50 40

SS-243

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01/18

UNDIVIDED COASTAL PLAIN: Brown to gray-red, soft to medium stiff, clayey SILT, wet

UNDIVIDED COASTAL PLAIN: Gray, medium dense, silty fine SAND, saturated

UNDIVIDED COASTAL PLAIN: Gray, soft, sandy SILT, saturated

**286+00.00**

70 60 50 40

UNDIVIDED COASTAL PLAIN: Brown to gray-red, soft to medium stiff, clayey SILT, wet

UNDIVIDED COASTAL PLAIN: Gray, medium dense, silty fine SAND, saturated

UNDIVIDED COASTAL PLAIN: Gray, soft, sandy SILT, saturated

**285+50.00**

70 60 50 40

UNDIVIDED COASTAL PLAIN: Brown to gray-red, soft to medium stiff, clayey SILT, wet

UNDIVIDED COASTAL PLAIN: Gray, medium dense, silty fine SAND, saturated

UNDIVIDED COASTAL PLAIN: Gray, soft, sandy SILT, saturated

**285+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 224 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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UNDIVIDED COASTAL PLAIN: Brown-orange, medium stiff to stiff, fine sandy silty moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Tan-gray to light gray, very loose to loose, clayey silty fine to medium SAND, moist to saturated

**287+50.00**

70
60
50
40

UNDIVIDED COASTAL PLAIN: Brown-orange, medium stiff to stiff, fine sandy silty moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Tan-gray to light gray, very loose to loose, clayey silty fine to medium SAND, moist to saturated

**287+00.00**

70
60
50
40

UNDIVIDED COASTAL PLAIN: Brown to gray-red, soft to medium stiff, clayey SILT, wet

UNDIVIDED COASTAL PLAIN: Gray, medium dense, silty fine SAND, saturated

UNDIVIDED COASTAL PLAIN: Gray, soft, sandy SILT, saturated

**286+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 225 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50

UNDIVIDED COASTAL PLAIN: Brown-orange, medium stiff to stiff, fine sandy silty moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Tan-gray to light gray, very loose to loose, clayey silty fine to medium SAND, moist to saturated

**289+00.00**

70
60
50

UNDIVIDED COASTAL PLAIN: Brown-orange, medium stiff to stiff, fine sandy silty moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Tan-gray to light gray, very loose to loose, clayey silty fine to medium SAND, moist to saturated

**288+50.00**

40
80
70
60
50
40

SS-233

01/18

UNDIVIDED COASTAL PLAIN: Brown-orange, medium stiff to stiff, fine sandy silty moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Tan-gray to light gray, very loose to loose, clayey silty fine to medium SAND, moist to saturated

**288+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 226 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50 40

Ⓐ UNDIVIDED COASTAL PLAIN: Gray, medium stiff, clayey SILT, wet

Ⓑ UNDIVIDED COASTAL PLAIN: Gray, loose, silty fine SAND, saturated

UNDIVIDED COASTAL PLAIN: Brown, medium stiff, silty slightly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, soft, sandy SILT, saturated

**290+50.00**

SS-238

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01/18

Ⓐ UNDIVIDED COASTAL PLAIN: Gray, medium stiff, clayey SILT, wet

Ⓑ UNDIVIDED COASTAL PLAIN: Gray, loose, silty fine SAND, saturated

UNDIVIDED COASTAL PLAIN: Brown, medium stiff, silty slightly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, soft, sandy SILT, saturated

**290+00.00**

Ⓐ UNDIVIDED COASTAL PLAIN: Gray, medium stiff, clayey SILT, wet

Ⓑ UNDIVIDED COASTAL PLAIN: Gray, loose, silty fine SAND, saturated

UNDIVIDED COASTAL PLAIN: Brown, medium stiff, silty slightly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, soft, sandy SILT, saturated

**289+50.00**

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 227 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50 40

SS-228
SS-229

6
10
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3

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UNDIVIDED COASTAL PLAIN: Brown to red-orange, medium stiff to stiff, fine sandy silty slightly to highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray to dark gray, very loose to loose, clayey silty fine to medium SAND, moist to saturated

**292+00.00**

70 60 50 40

UNDIVIDED COASTAL PLAIN: Brown to red-orange, medium stiff to stiff, fine sandy silty slightly to highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray to dark gray, very loose to loose, clayey silty fine to medium SAND, moist to saturated

**291+50.00**

70 60 50 40

UNDIVIDED COASTAL PLAIN: Brown to red-orange, medium stiff to stiff, fine sandy silty slightly to highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray to dark gray, very loose to loose, clayey silty fine to medium SAND, moist to saturated

**291+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 228 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50

UNDIVIDED COASTAL PLAIN: Brown-black to gray, medium stiff to stiff, silty moderately plastic CLAY, wet

**293+50.00**

70
60
50

UNDIVIDED COASTAL PLAIN: Brown-black to gray, medium stiff to stiff, silty moderately plastic CLAY, wet

**293+00.00**

70
60
50
40

UNDIVIDED COASTAL PLAIN: Brown to red-orange, medium stiff to stiff, fine sandy silty slightly to highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray to dark gray, very loose to loose, clayey silty fine to medium SAND, moist to saturated.

**292+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 229 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50

UNDIVIDED COASTAL PLAIN: Brown-black to gray, medium stiff to stiff, silty moderately plastic CLAY, wet

**295+00.00**

70
60

UNDIVIDED COASTAL PLAIN: Brown-black to gray, medium stiff to stiff, silty moderately plastic CLAY, wet

50

**294+50.00**

80
70
60
50
40

S-38

01/18

UNDIVIDED COASTAL PLAIN: Brown-black to gray, medium stiff to stiff, silty moderately plastic CLAY, wet

**294+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 230 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50

Ⓐ ROADWAY EMBANKMENT: Dark brown, loose, silty fine SAND, some organics, moist

UNDIVIDED COASTAL PLAIN: Red-orange-gray, stiff, fine sandy highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Orange-tan, very loose to loose, clayey fine SAND, moist to saturated

**296+50.00**

80 70 60 50 40

Ⓐ ROADWAY EMBANKMENT: Dark brown, loose, silty fine SAND, some organics, moist

SS-224

7 10 9 6 2

01/18

UNDIVIDED COASTAL PLAIN: Red-orange-gray, stiff, fine sandy highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Orange-tan, very loose to loose, clayey fine SAND, moist to saturated

**296+00.00**

80 70 60 50

Ⓐ ROADWAY EMBANKMENT: Dark brown, loose, silty fine SAND, some organics, moist

UNDIVIDED COASTAL PLAIN: Red-orange-gray, stiff, fine sandy highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Orange-tan, very loose to loose, clayey fine SAND, moist to saturated

**295+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 231 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50 40

SS-234

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01/18

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, silty slightly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Brown-tan, soft to medium stiff, clayey sandy SILT, saturated

**298+00.00**

70 60 50

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, silty slightly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Brown-tan, soft to medium stiff, clayey sandy SILT, saturated

**297+50.00**

80 70 60 50

(A) ROADWAY EMBANKMENT: Dark brown, loose, silty fine SAND, some organics, moist

(A)

UNDIVIDED COASTAL PLAIN: Red-orange-gray, stiff, fine sandy highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Orange-tan, very loose to loose, clayey fine SAND, moist to saturated

**297+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 232 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50 40

A ROADWAY EMBANKMENT: Brown, loose, silty fine SAND, little organics, moist

UNDIVIDED COASTAL PLAIN: Orange-tan-gray, stiff, fine sandy silty highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray, loose, clayey fine SAND and fine SAND, moist to saturated

**301+00.00**

UNDIVIDED COASTAL PLAIN: Brown to orange-tan, medium stiff to stiff, fine sandy silty slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Light gray, very loose to loose, clayey SAND, moist

UNDIVIDED COASTAL PLAIN: Light gray, very loose to loose, clayey SAND, moist

**300+50.00**

S-220

01/18

UNDIVIDED COASTAL PLAIN: Brown to orange-tan, medium stiff to stiff, fine sandy silty slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Light gray, very loose to loose, clayey SAND, moist

**300+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 233 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50 40

Ⓐ ROADWAY EMBANKMENT: Brown, loose, silty fine SAND, little organics, moist

UNDIVIDED COASTAL PLAIN: Orange-tan-gray, stiff, fine sandy silty highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray, loose, clayey fine SAND and fine SAND, moist to saturated

**302+50.00**

SS-216

Ⓐ ROADWAY EMBANKMENT: Brown, loose, silty fine SAND, little organics, moist

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12
8
6
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01/18

UNDIVIDED COASTAL PLAIN: Orange-tan-gray, stiff, fine sandy silty highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray, loose, clayey fine SAND and fine SAND, moist to saturated

**302+00.00**

Ⓐ ROADWAY EMBANKMENT: Brown, loose, silty fine SAND, little organics, moist

UNDIVIDED COASTAL PLAIN: Orange-tan-gray, stiff, fine sandy silty highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray, loose, clayey fine SAND and fine SAND, moist to saturated

**301+50.00**



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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 234 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50 40

Ⓐ UNDIVIDED COASTAL PLAIN: Brown, medium stiff, sandy clayey SILT, trace organics, moist

Ⓑ UNDIVIDED COASTAL PLAIN: Tan-gray, stiff, fine sandy highly plastic CLAY, moist

SS-210
SS-211

Ⓑ Ⓐ

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01/18

UNDIVIDED COASTAL PLAIN: Light gray, loose to medium dense, clayey, silty fine to medium SAND, saturated

**304+00.00**

Ⓔ UNDIVIDED COASTAL PLAIN: Brown, medium stiff, sandy clayey SILT, trace organics, moist

Ⓕ UNDIVIDED COASTAL PLAIN: Tan-gray, stiff, fine sandy highly plastic CLAY, moist

Ⓕ Ⓔ

UNDIVIDED COASTAL PLAIN: Light-gray, loose to medium dense, clayey silty fine to medium SAND, saturated

**303+50.00**

Ⓖ ROADWAY EMBANKMENT: Brown, loose, silty fine SAND, little organics, moist

Ⓖ

UNDIVIDED COASTAL PLAIN: Orange-tan-gray, stiff, fine sandy silty highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray, loose, clayey fine SAND and fine SAND, moist to saturated

**303+00.00**

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 235 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50

UNDIVIDED COASTAL PLAIN: Red to red-brown, medium stiff to stiff, silty moderately plastic CLAY, wet to saturated

305+50.00

70
60
50

UNDIVIDED COASTAL PLAIN: Red to red-brown, medium stiff to stiff, silty moderately plastic CLAY, wet to saturated

305+00.00

80
70
60
50
40

(A) UNDIVIDED COASTAL PLAIN: Brown, medium stiff, sandy clayey SILT, moist

(B) UNDIVIDED COASTAL PLAIN: Tan-gray, stiff, fine sandy highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Light gray, loose to medium dense, clayey, silty fine to medium SAND, saturated

304+50.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 236 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50

UNDIVIDED COASTAL PLAIN: Red to red-brown, medium stiff to stiff, silty moderately plastic CLAY, wet to saturated

**307+00.00**

70
60
50

UNDIVIDED COASTAL PLAIN: Red to red-brown, medium stiff to stiff, silty moderately plastic CLAY, wet to saturated

**306+50.00**

80
70
60
50
40

S-36

01/18

UNDIVIDED COASTAL PLAIN: Red to red-brown, medium stiff to stiff, silty moderately plastic CLAY, wet to saturated

**306+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 237 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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UNDIVIDED COASTAL PLAIN: Orange-brown, medium stiff to stiff, fine to coarse sandy moderately plastic CLAY, trace organics, moist

UNDIVIDED COASTAL PLAIN: Orange-tan, very loose to medium dense, clayey fine to medium SAND, moist to saturated

UNDIVIDED COASTAL PLAIN: Dark gray, very loose, fine sandy CLAY, saturated

**308+50.00**

80
70
60
50
40
30

SS-206

6
13
12
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01/18

UNDIVIDED COASTAL PLAIN: Orange-brown, medium stiff to stiff, fine to coarse sandy moderately plastic CLAY, trace organics, moist

UNDIVIDED COASTAL PLAIN: Orange-tan, very loose to medium dense, clayey fine to medium SAND, moist to saturated

UNDIVIDED COASTAL PLAIN: Dark gray, very loose, fine sandy CLAY, saturated

**308+00.00**

70
60
50
40
30

UNDIVIDED COASTAL PLAIN: Orange-brown, medium stiff to stiff, fine to coarse sandy moderately plastic CLAY, trace organics, moist

UNDIVIDED COASTAL PLAIN: Orange-tan, very loose to medium dense, clayey fine to medium SAND, moist to saturated

UNDIVIDED COASTAL PLAIN: Dark gray, very loose, fine sandy CLAY, saturated

**307+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 238 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50 40

SS-200

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6
2
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01/18

UNDIVIDED COASTAL PLAIN: Brown to light orange-tan to dark gray, very loose to loose, silty fine to medium SAND, trace organics, moist

**310+00.00**

70 60 50 40

UNDIVIDED COASTAL PLAIN: Brown to light orange-tan to dark gray, very loose to loose, silty fine to medium SAND, trace organics, moist

**309+50.00**

70 60 50 40 30

UNDIVIDED COASTAL PLAIN: Orange-brown, medium stiff to stiff, fine to coarse sandy moderately plastic CLAY, trace organics, moist

UNDIVIDED COASTAL PLAIN: Orange-tan, very loose to medium dense, clayey fine to medium SAND, moist to saturated

UNDIVIDED COASTAL PLAIN: Dark gray, very loose, fine sandy CLAY, saturated

**309+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 239 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50 40 30

A UNDIVIDED COASTAL PLAIN: Brown, very loose to medium dense, silty SAND, moist

S-196

01/18

UNDIVIDED COASTAL PLAIN: Brown, medium-stiff to stiff, fine sandy moderately-plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray, very loose to medium dense, silty clayey SAND, saturated

**312+00.00**

70 60 50 40

A UNDIVIDED COASTAL PLAIN: Brown, very loose to medium dense, silty SAND, moist

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, fine sandy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray, very loose to medium dense, silty clayey SAND, saturated

**311+50.00**

70 60 50 40

UNDIVIDED COASTAL PLAIN: Brown to light orange-tan to dark gray, very loose to loose, silty fine to medium SAND, trace organics, moist

**311+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 240 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50 40

(A) ROADWAY EMBANKMENT: Brown, loose, silty fine to medium SAND, moist

UNDIVIDED COASTAL PLAIN: Gray-yellow, medium stiff, fine sandy slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray, very loose to loose, silty fine SAND, saturated

**313 + 50.00**

70 60 50 40

(A) UNDIVIDED COASTAL PLAIN: Brown, very loose to medium dense, silty SAND, moist

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, fine sandy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray, very loose to medium dense, silty clayey SAND, saturated

**313 + 00.00**

70 60 50 40

(A) UNDIVIDED COASTAL PLAIN: Brown, very loose to medium dense, silty SAND, moist

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, fine sandy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray, very loose to medium dense, silty clayey SAND, saturated

**312 + 50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| PROJ. REFERENCE NO. | SHEET NO. |
|---|---|
| R-2511 | 241 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50 40 30

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Dark gray to gray-yellow, medium stiff, sandy silty slightly to highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Light gray, loose, clayey fine SAND and fine SAND, saturated

UNDIVIDED COASTAL PLAIN: Dark gray, soft, fine sandy CLAY, saturated

**315+00.00**

70 60 50 40 30

(A) ROADWAY EMBANKMENT: Brown, loose, silty fine to medium SAND, moist

UNDIVIDED COASTAL PLAIN: Gray-yellow, medium stiff, fine sandy slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray, very loose to loose, silty fine SAND, saturated

**314+50.00**

70 60 50 40 30

SS-192

(A) ROADWAY EMBANKMENT: Brown, loose, silty fine to medium SAND, moist

7
6
9
3
4

01/18

UNDIVIDED COASTAL PLAIN: Gray-yellow, medium stiff, fine sandy slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray, very loose to loose, silty fine SAND, saturated

**314+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 242 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60
50
40
30

UNDIVIDED COASTAL PLAIN: Dark gray to gray-yellow, medium stiff, sandy silty slightly to highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Light gray, loose, clayey fine SAND and fine SAND, saturated

UNDIVIDED COASTAL PLAIN: Dark gray, soft, fine sandy CLAY, saturated

**316 + 50.00**

80
70
60
50
40
30

SS-186
SS-187

UNDIVIDED COASTAL PLAIN: Dark gray to gray-yellow, medium stiff, sandy silty slightly to highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Light gray, loose, clayey fine SAND and fine SAND, saturated

UNDIVIDED COASTAL PLAIN: Dark gray, soft, fine sandy CLAY, saturated

5
7
6
4
2

01/18

**316 + 00.00**

60
50
40
30

UNDIVIDED COASTAL PLAIN: Dark gray to gray-yellow, medium stiff, sandy silty slightly to highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Light gray, loose, clayey fine SAND and fine SAND, saturated

UNDIVIDED COASTAL PLAIN: Dark gray, soft, fine sandy CLAY, saturated

**315 + 50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 243 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50 40 30

S-57

01/18

(A) ROADWAY EMBANKMENT: Dark brown, loose, silty fine SAND, trace organics, moist

UNDIVIDED COASTAL PLAIN: Dark brown, soft to medium stiff, clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown to gray-brown, very soft to stiff, fine sandy CLAY, wet

**318+00.00**

(A) ROADWAY EMBANKMENT: Dark brown, loose, silty fine SAND, trace organics, moist

UNDIVIDED COASTAL PLAIN: Dark brown, soft to medium stiff, clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown to gray-brown, very soft to stiff, fine sandy CLAY, wet

**317+50.00**

UNDIVIDED COASTAL PLAIN: Dark gray to gray-yellow, medium stiff, sandy silty slightly to highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Light gray, loose, clayey fine SAND and fine SAND, saturated

UNDIVIDED COASTAL PLAIN: Dark gray, soft, fine sandy CLAY, saturated

**317+00.00**

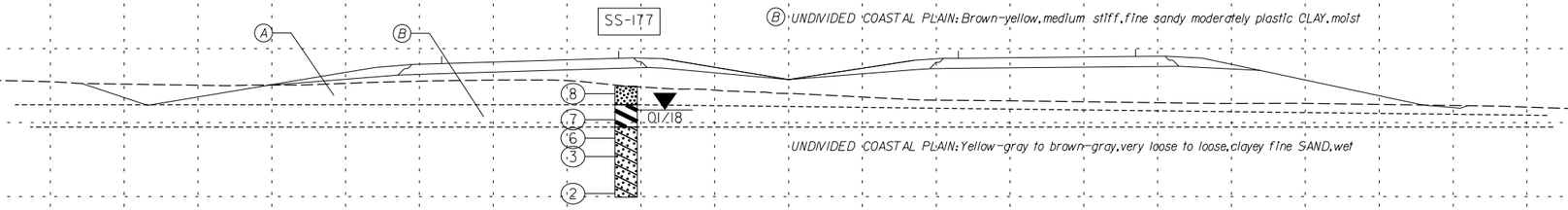
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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 244 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50
40
30



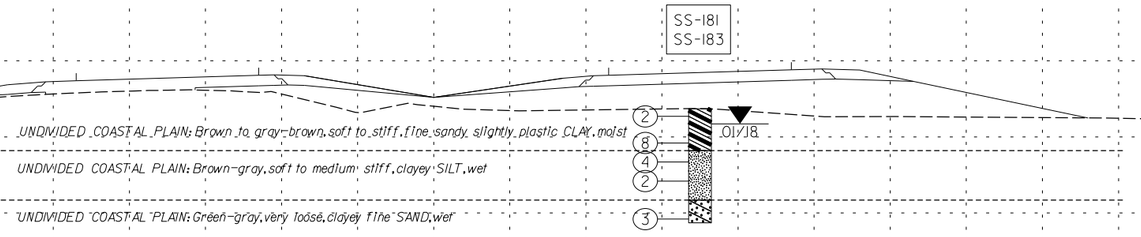

(A) UNDIVIDED COASTAL PLAIN: Yellow-brown, loose, silty fine to medium SAND, moist

(B) UNDIVIDED COASTAL PLAIN: Brown-yellow, medium stiff, fine sandy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Yellow-gray to brown-gray, very loose to loose, clayey fine SAND, wet

322+00.00

80
70
60
50
40
30




UNDIVIDED COASTAL PLAIN: Brown to gray-brown, soft to stiff, fine sandy, slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Brown-gray, soft to medium stiff, clayey SILT, wet

UNDIVIDED COASTAL PLAIN: Green-gray, very loose, clayey fine SAND, wet

320+00.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 245 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50 40 30

SS-171,
SS-172

Ⓐ UNDIVIDED COASTAL PLAIN: Dark brown, soft, fine sandy SILT, moist

Ⓐ

3
5
11
13
5

01/18

UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff, fine sandy slightly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray-yellow, loose to medium dense, clayey fine SAND and fine SAND, wet

**326+00.00**

Ⓐ ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

Ⓑ UNDIVIDED COASTAL PLAIN: Brown, soft to medium stiff, sandy SILT, wet

S-78

Ⓑ Ⓐ

01/18

UNDIVIDED COASTAL PLAIN: Brown, very soft to stiff, sandy silty slightly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Brown-gray, very loose to medium dense, silty fine to coarse SAND, wet

**324+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50 40 30

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 246 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50 40 30

Ⓐ ROADWAY EMBANKMENT: Brown, loose, silty fine SAND, moist

Ⓐ

UNDIVIDED COASTAL PLAIN: Gray, medium stiff, fine sandy highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Yellow-brown, loose to medium dense, fine to medium SAND, wet

UNDIVIDED COASTAL PLAIN: Green-gray, very soft, sandy CLAY, wet

**327+50.00**

Ⓐ ROADWAY EMBANKMENT: Brown, loose, silty fine SAND, moist

Ⓐ

UNDIVIDED COASTAL PLAIN: Gray, medium stiff, fine sandy highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Yellow-brown, loose to medium dense, fine to medium SAND, wet

UNDIVIDED COASTAL PLAIN: Green-gray, very soft, sandy CLAY, wet

**327+00.00**

Ⓐ UNDIVIDED COASTAL PLAIN: Dark brown, soft, fine sandy SILT, moist

Ⓐ

UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff, fine sandy slightly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray-yellow, loose to medium dense, clayey fine SAND and fine SAND, wet

**326+50.00**



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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 247 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50 40 30

Ⓐ ROADWAY EMBANKMENT: Brown, loose, silty fine SAND, moist

UNDIVIDED COASTAL PLAIN: Gray, medium stiff, fine sandy highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Yellow-brown, loose to medium dense, fine to medium SAND, wet

UNDIVIDED COASTAL PLAIN: Green-gray, very soft, sandy CLAY, wet

**329+00.00**

Ⓐ ROADWAY EMBANKMENT: Brown, loose, silty fine SAND, moist

UNDIVIDED COASTAL PLAIN: Gray, medium stiff, fine sandy highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Yellow-brown, loose to medium dense, fine to medium SAND, wet

UNDIVIDED COASTAL PLAIN: Green-gray, very soft, sandy CLAY, wet

**328+50.00**

SS-167

Ⓐ ROADWAY EMBANKMENT: Brown, loose, silty fine SAND, moist

Ⓐ 4 6 17 6 1

01/18

UNDIVIDED COASTAL PLAIN: Gray, medium stiff, fine sandy highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Yellow-brown, loose to medium dense, fine to medium SAND, wet

UNDIVIDED COASTAL PLAIN: Green-gray, very soft, sandy CLAY, wet

**328+00.00**

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 248 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50
40
30

S-51
S-52

A UNDIVIDED COASTAL PLAIN: Gray-brown, medium stiff to stiff, sandy clayey SILT, moist

A

01718

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, sandy silty moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray, very loose to medium dense, clayey fine SAND, moist to wet

330+00.00

70
60
50
40
30

A UNDIVIDED COASTAL PLAIN: Gray-brown, medium stiff to stiff, sandy clayey SILT, moist

A

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, sandy silty moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray, very loose to medium dense, clayey fine SAND, moist to wet

329+50.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 249 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60
50
40

Ⓐ UNDIVIDED COASTAL PLAIN: Brown, loose, silty SAND, moist

UNDIVIDED COASTAL PLAIN: Tan-gray-brown, stiff, silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, stiff, clayey SILT, saturated

UNDIVIDED COASTAL PLAIN: Gray-brown, loose to medium dense, silty SAND, saturated

**333+50.00**

60
50
40

Ⓐ UNDIVIDED COASTAL PLAIN: Brown, loose, silty SAND, moist

UNDIVIDED COASTAL PLAIN: Tan-gray-brown, stiff, silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, stiff, clayey SILT, saturated

UNDIVIDED COASTAL PLAIN: Gray-brown, loose to medium dense, silty SAND, saturated

**333+00.00**

60
50
40

UNDIVIDED COASTAL PLAIN: Tan-brown to brown-gray to tan-yellow, very loose to loose, clayey fine SAND and fine to medium SAND, wet

**332+50.00**

70
60
50
40
30

SS-162

3
9
9
4
5

01/18

FIAD.

UNDIVIDED COASTAL PLAIN: Tan-brown to brown-gray to tan-yellow, very loose to loose, clayey fine SAND and fine to medium SAND, wet

**332+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 250 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60
50
40
30

(A) UNDIVIDED COASTAL PLAIN: Brown, loose, silty SAND, moist

UNDIVIDED COASTAL PLAIN: Tan-gray-brown, stiff, silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, stiff, clayey SILT, saturated

UNDIVIDED COASTAL PLAIN: Gray-brown, loose to medium dense, silty SAND, saturated

335+00.00

(A) UNDIVIDED COASTAL PLAIN: Brown, loose, silty SAND, moist

UNDIVIDED COASTAL PLAIN: Tan-gray-brown, stiff, silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, stiff, clayey SILT, saturated

UNDIVIDED COASTAL PLAIN: Gray-brown, loose to medium dense, silty SAND, saturated

334+50.00

70
60
50
40
30

SS-230

6
8
13
14
7

01/18

(A) UNDIVIDED COASTAL PLAIN: Brown, loose, silty SAND, moist

UNDIVIDED COASTAL PLAIN: Tan-gray-brown, stiff, silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, stiff, clayey SILT, saturated

UNDIVIDED COASTAL PLAIN: Gray-brown, loose to medium dense, silty SAND, saturated

334+00.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 251 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30 20

SS-224

Ⓐ UNDIVIDED COASTAL PLAIN: Brown, medium stiff, sandy SILT, wet

4
6
8
5
20

01/18

UNDIVIDED COASTAL PLAIN: Gray-brown to gray, medium stiff to stiff, sandy silty CLAY, wet

UNDIVIDED COASTAL PLAIN: Tan-brown-gray, medium dense, silty SAND, saturated

**338+00.00**

70 60 50 40

S-35

01/18

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, silty slightly plastic CLAY, wet

**336+00.00**

60 50 40

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, silty slightly plastic CLAY, wet

**335+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 252 |

Ⓐ ROADWAY EMBANKMENT: Brown, stiff, sandy SILT, moist

Ⓑ ALLUVIAL: Dark gray, soft, fine sandy, highly plastic silty CLAY, wet

Ⓒ UNDIVIDED COASTAL PLAIN: Light gray, soft to very stiff, sandy SILT, wet

344+33

FIAD 10/18

344+37

SS-217

01/18

UNDIVIDED COASTAL PLAIN: Gray-green, loose to medium dense, silty fine to medium SAND, wet to saturated

UNDIVIDED COASTAL PLAIN: Brown to gray, very soft to medium stiff, sandy silty moderately plastic CLAY, wet to saturated

344+40

SS-150
SS-149

01/18

344+50.00

S-35

ROADWAY EMBANKMENT: Brown, loose, silty SAND, wet

01/18

UNDIVIDED COASTAL PLAIN: Gray, medium stiff to stiff, clayey SILT, wet

342+00.00

SS-157

UNDIVIDED COASTAL PLAIN: Dark brown, loose, silty fine SAND, moist

UNDIVIDED COASTAL PLAIN: Dark brown, stiff, silty fine SAND, wet

UNDIVIDED COASTAL PLAIN: Gray, loose, clayey fine SAND, wet

UNDIVIDED COASTAL PLAIN: Green-gray, medium stiff, clayey SILT, wet

01/18

340+00.00

10/30/2018
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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 253 |

346+86

Ⓐ ROADWAY EMBANKMENT: Brown, stiff, sandy SILT, moist

FIAD 10/18

UNDIVIDED COASTAL PLAIN: Gray, brown, very loose to medium dense, clayey fine to coarse SAND, moist

**347+00.00**

SS-609
ST-5
ST-6

Ⓐ ROADWAY EMBANKMENT: Brown, loose, silty SAND, wet

7 Ⓐ
2 ALLUVIAL: Gray, soft, fine sandy silty slightly plastic CLAY, saturated
1 UNDIVIDED COASTAL PLAIN: Gray, very soft, clayey SILT, trace gravel, saturated
6 UNDIVIDED COASTAL PLAIN: Gray, very soft to medium stiff, silty highly plastic CLAY, saturated
WOH
10 UNDIVIDED COASTAL PLAIN: Gray, stiff, sandy silty CLAY, saturated

FIAD 2/18

**346+00.00**

Ⓐ ROADWAY EMBANKMENT: Brown, stiff, sandy SILT, moist
Ⓑ ALLUVIAL: Dark gray, soft, fine sandy, highly plastic CLAY, wet
Ⓒ ALLUVIAL: Gray, very loose, clayey fine to coarse SAND, wet
Ⓓ UNDIVIDED COASTAL PLAIN: Gray to brown, soft, fine sandy CLAY, moist

345+48

345+30

FIAD 10/18

FIAD 10/18

UNDIVIDED COASTAL PLAIN: Gray to brown, loose to medium dense, clayey fine to coarse SAND, moist

**345+50.00**

10/30/2018
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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 254 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50 40 30 20

SS-213

A ROADWAY EMBANKMENT: Brown, loose, silty SAND, moist

B ROADWAY EMBANKMENT: Gray, soft, sandy SILT, wet

7 2 5 6 13

OL 18

UNDIVIDED COASTAL PLAIN: Gray, medium stiff, silty CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, stiff, sandy SILT, saturated

**350+00.00**

SS-601
ST-7

A UNDIVIDED COASTAL PLAIN: Dark brown, sandy SILT, moist

B ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

S-46
S-47

6 5 4 3 1 6

FIAD
2/18

OL 18

UNDIVIDED COASTAL PLAIN: Brown to tan-brown to gray, very soft to medium stiff, fine sandy silty moderately to highly plastic CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Green-gray, loose, clayey silty fine SAND, wet

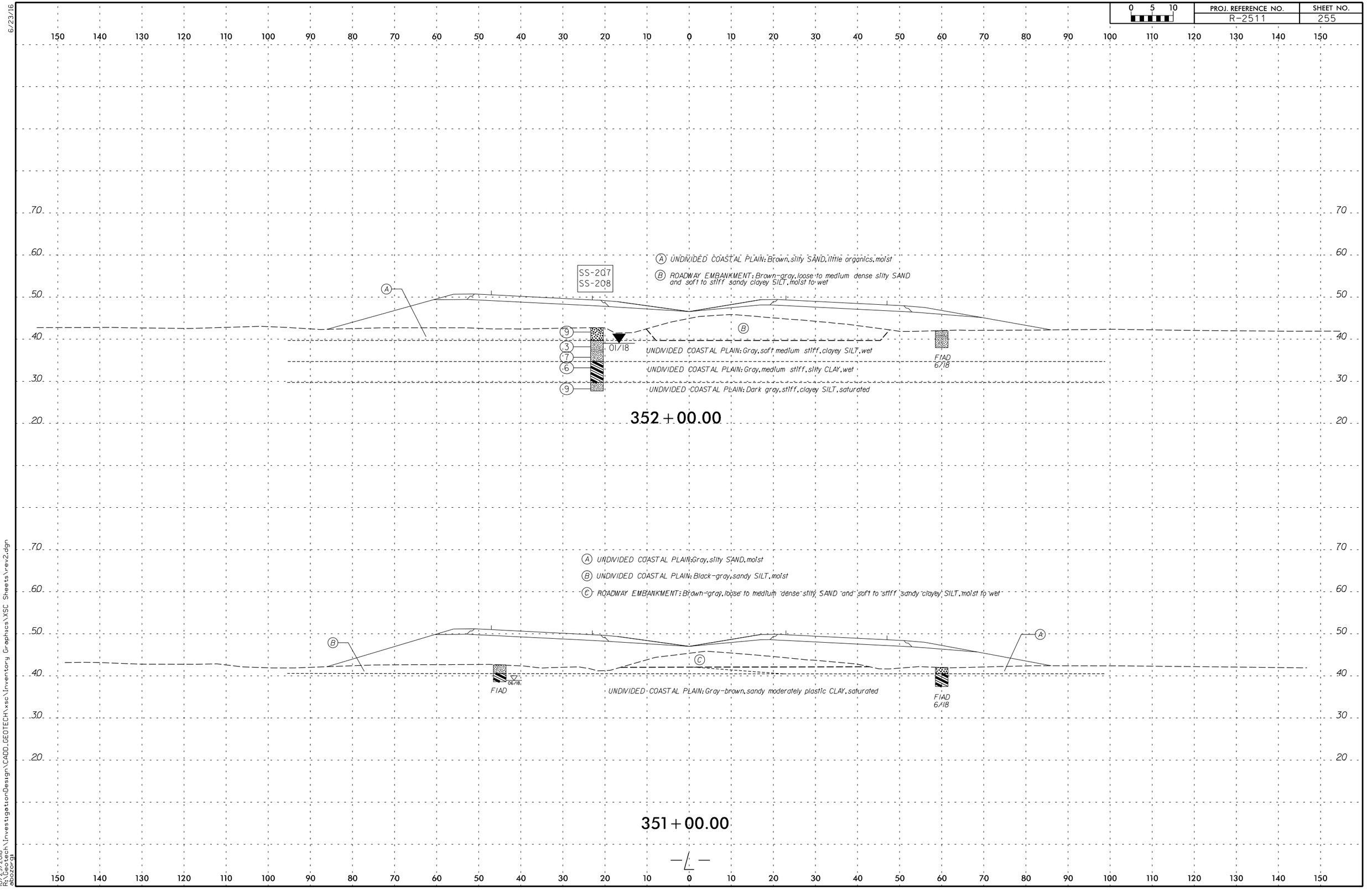
**348+00.00**



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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
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| | R-2511 | 255 |




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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 256 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60
50
40
30
20

Ⓐ ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Gray-brown, sandy highly plastic CLAY, trace organics, moist to saturated

FIAD
6/18

**353+50.00**

70
60
50
40
30
20

Ⓐ UNDIVIDED COASTAL PLAIN: Gray, sandy SILT, moist

Ⓑ ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

A

B

FIAD
6/18

UNDIVIDED COASTAL PLAIN: Gray-brown, sandy highly plastic CLAY, wet

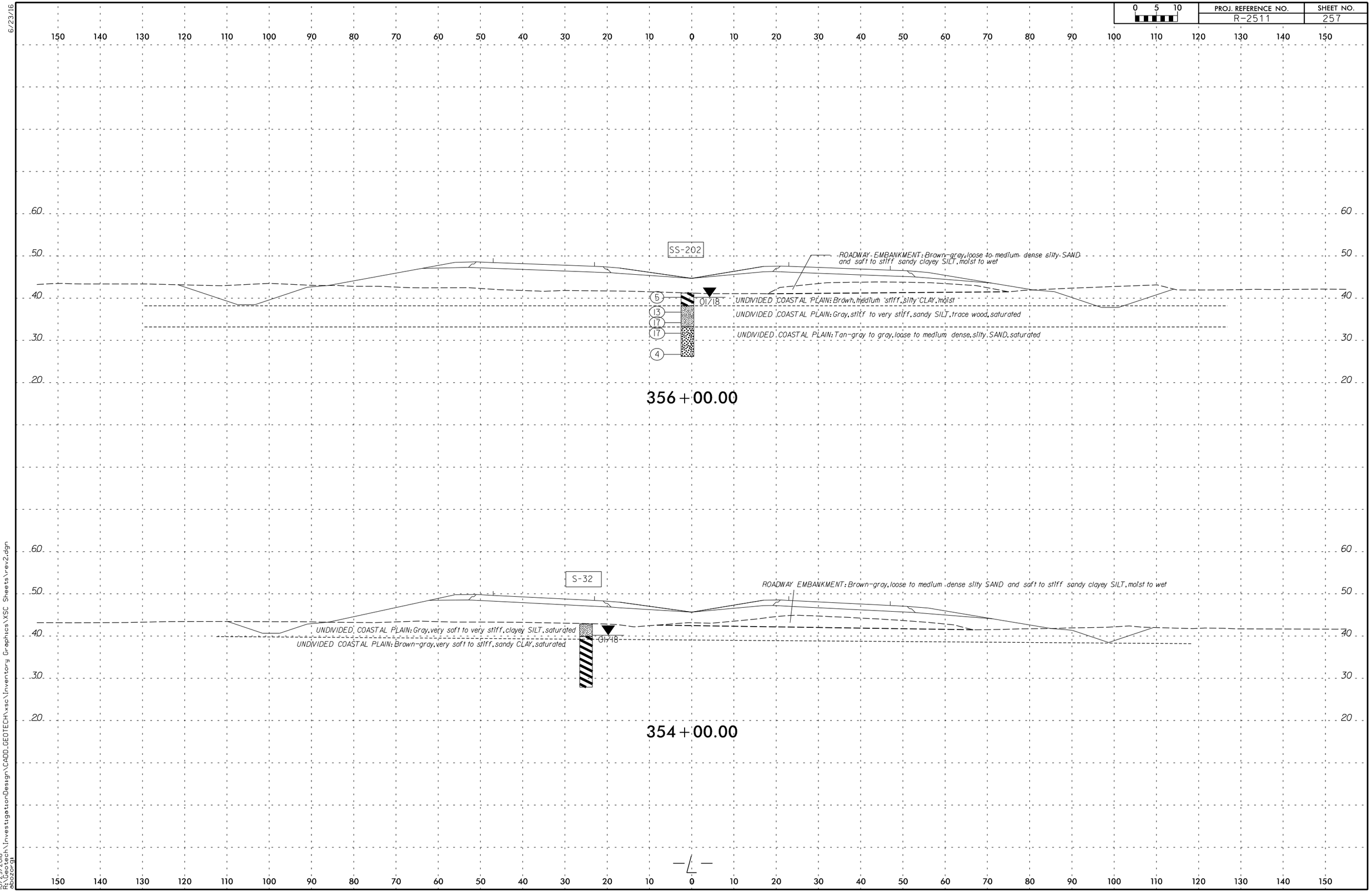
**353+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 258 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30 20

S-42

01/18

UNDIVIDED COASTAL PLAIN: Brown to gray to brown-gray, very loose to medium dense, clayey fine to coarse SAND and fine to medium SAND, moist to wet

**360+00.00**

SS-196

4 7 12 13 1

01/18

UNDIVIDED COASTAL PLAIN: Light gray-brown to gray to gray-white, very lobse to medium dense, clayey fine to coarse SAND, wet to saturated

**358+00.00**

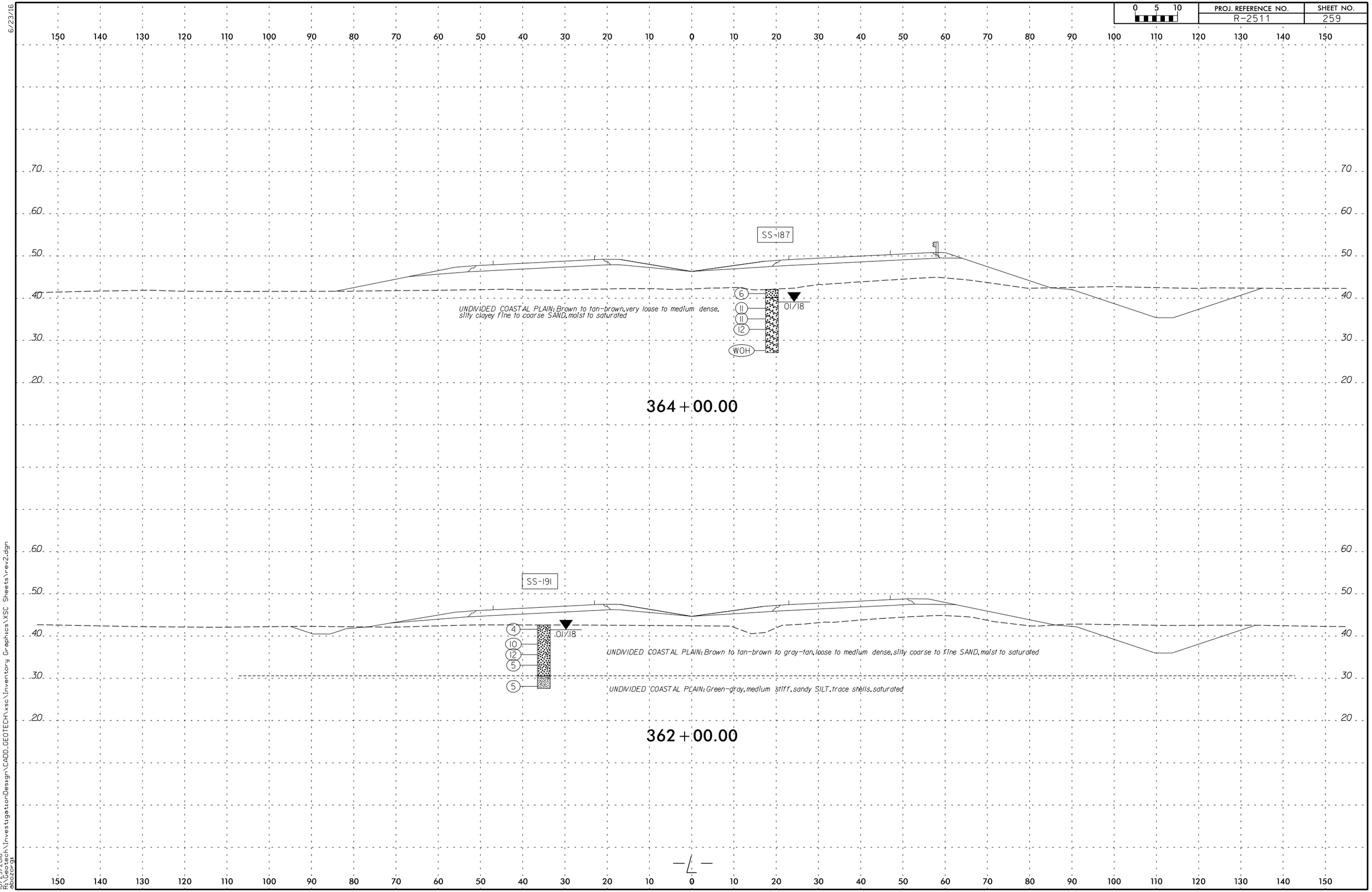
60 50 40 30 20

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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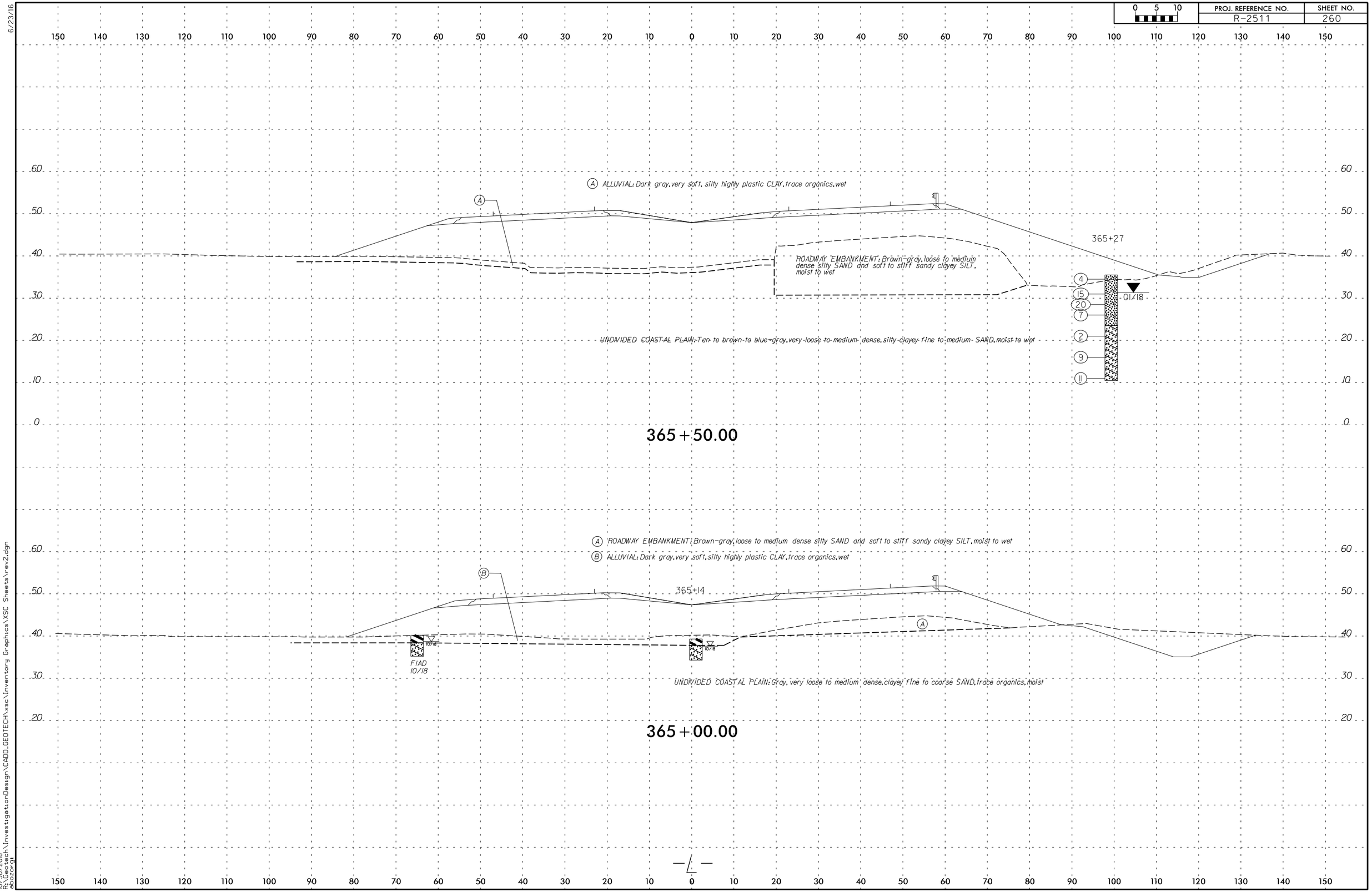
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| | R-2511 | 259 |




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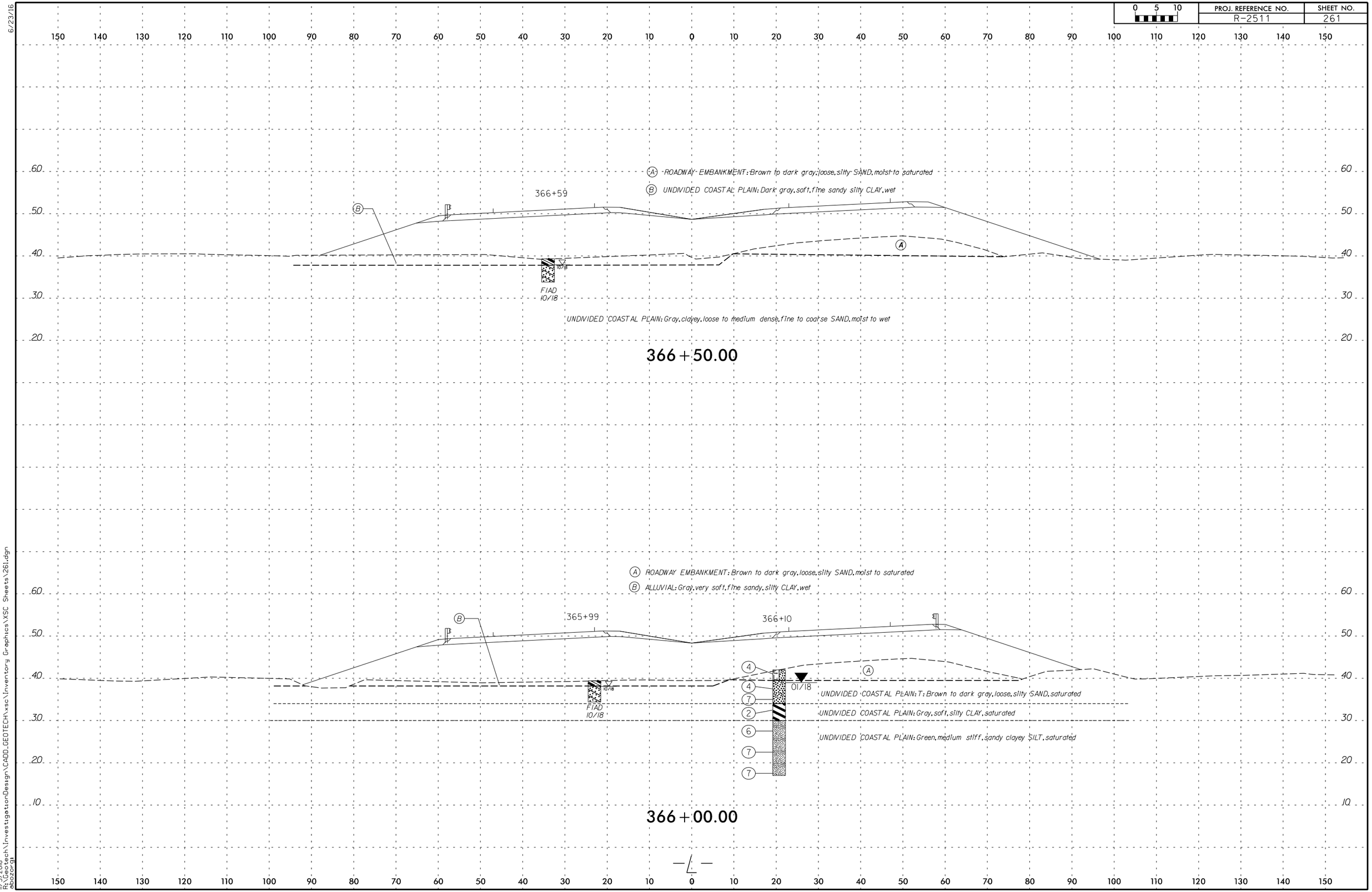
| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
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| | R-2511 | 260 |




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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
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| | R-2511 | 261 |




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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 262 |

130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

06/18

FIAD

UNDIVIDED COASTAL PLAIN: Black-brown-gray-tan, very loose to loose, clayey SAND to fine SAND, moist to saturated

## 369+00.00

Ⓐ ROADWAY EMBANKMENT: Brown, loose, silty fine SAND, moist

Ⓑ ROADWAY EMBANKMENT: Dark brown, soft, sandy clayey SILT, wet

SS-138

01/18

UNDIVIDED COASTAL PLAIN: Gray, very loose to loose, silty clayey fine SAND, wet

## 368+00.00

60 50 40 30 20

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 263 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50 40 30 20 10

Ⓐ ROADWAY EMBANKMENT: Brown, loose, silty SAND, wet

Ⓑ UNDIVIDED COASTAL PLAIN: Brown, medium stiff, sandy clayey SILT, wet

Ⓒ UNDIVIDED COASTAL PLAIN: Gray, soft to medium stiff, silty moderately to highly plastic CLAY, wet

SS-175
SS-176
SS-177

SS-595
SS-596
ST-8

01/18

02/18

4 3 4 5 3 4

6 3 10 10 6 2

UNDIVIDED COASTAL PLAIN: Dark gray to gray-green, very loose to medium dense, silty clayey fine SAND, trace organics, wet to saturated

UNDIVIDED COASTAL PLAIN: Gray, medium stiff, sandy CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, soft, sandy clayey SILT, saturated

**370+00.00**

Ⓐ ROADWAY EMBANKMENT: Brown, loose, silty SAND, wet

Ⓑ UNDIVIDED COASTAL PLAIN: Brown, medium stiff, sandy clayey SILT, wet

Ⓒ UNDIVIDED COASTAL PLAIN: Gray, soft to medium stiff, silty moderately to highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Dark gray to gray-green, very loose to medium dense, silty clayey fine SAND, trace organics, wet to saturated

UNDIVIDED COASTAL PLAIN: Gray, medium stiff, sandy CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, soft, sandy clayey SILT, saturated

**369+50.00**

60 50 40 30 20

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

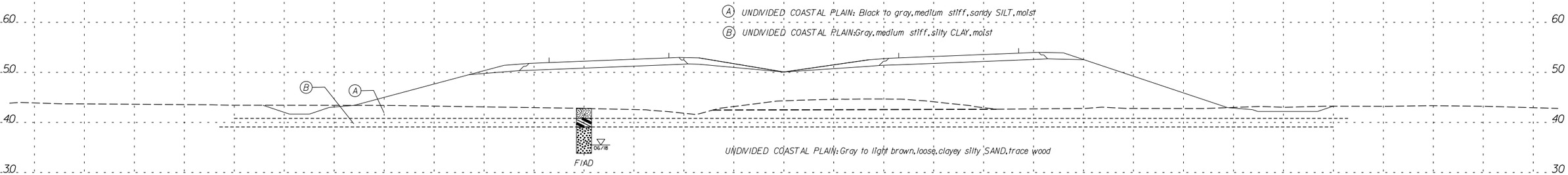
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| | R-2511 | 264 |

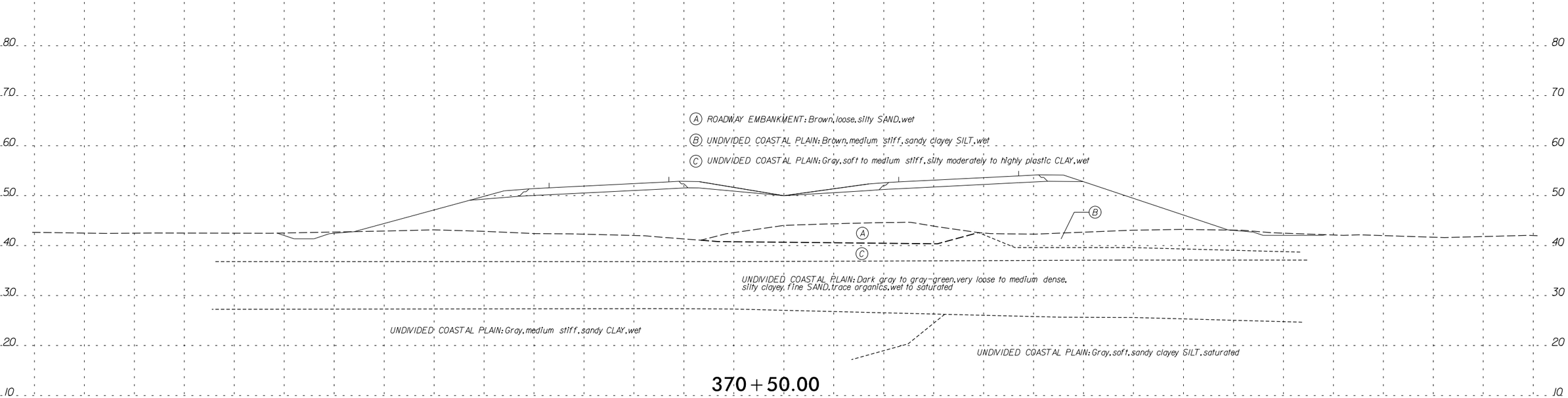
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50 40 30 20




371+00.00

80 70 60 50 40 30 20 10




370+50.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| | R-2511 | 265 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50 40 30 20

SS-170

9 5 18 18 6

01/18

UNDIVIDED COASTAL PLAIN: Brown to gray, loose to medium dense, silty clayey fine SAND, trace gravel, moist to saturated

UNDIVIDED COASTAL PLAIN: Gray, medium stiff, sandy SILT, saturated

**374+00.00**

70 60 50 40 30 20 10

A UNDIVIDED COASTAL PLAIN: Brown, medium stiff, sandy clayey SILT, wet

SS-589
ST-9

UNDIVIDED COASTAL PLAIN: Gray, medium stiff, sandy CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray to white, loose, clayey silty SAND, saturated

UNDIVIDED COASTAL PLAIN: Dark gray, very soft to soft, fine sandy clayey SILT, saturated

6 5 9 5 1 2

FIAD
2/18

**371+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 266 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30

(A) UNDIVIDED COASTAL PLAIN: Yellow-brown, medium stiff, fine sandy moderately plastic CLAY, moist

(A)

UNDIVIDED COASTAL PLAIN: Gray-brown to yellow-gray, loose to medium dense, clayey fine SAND and fine SAND, moist to wet

375+50.00

60 50 40 30

UNDIVIDED COASTAL PLAIN: Brown to gray, loose to medium dense, silty clayey fine SAND, trace gravel, moist to saturated

UNDIVIDED COASTAL PLAIN: Gray, medium stiff, sandy SILT, saturated

375+00.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 267 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50 40 30

Ⓐ UNDIVIDED COASTAL PLAIN: Yellow-brown, medium stiff, fine sandy moderately plastic CLAY, moist

Ⓐ

UNDIVIDED COASTAL PLAIN: Gray-brown to yellow-gray, loose to medium dense, clayey fine SAND and fine SAND, moist to wet

**377+00.00**

Ⓐ UNDIVIDED COASTAL PLAIN: Yellow-brown, medium stiff, fine sandy moderately plastic CLAY, moist

Ⓐ

UNDIVIDED COASTAL PLAIN: Gray-brown to yellow-gray, loose to medium dense, clayey fine SAND and fine SAND, moist to wet

**376+50.00**

Ⓐ UNDIVIDED COASTAL PLAIN: Yellow-brown, medium stiff, fine sandy moderately plastic CLAY, moist

SS-132
SS-133

Ⓐ

5
11
12
7
9

01/18

UNDIVIDED COASTAL PLAIN: Gray-brown to yellow-gray, loose to medium dense, clayey fine SAND and fine SAND, moist to wet

**376+00.00**

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150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 268 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60
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UNDIVIDED COASTAL PLAIN: Dark brown, very soft to medium stiff, clayey SILT, wet
UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, silty CLAY, wet
UNDIVIDED COASTAL PLAIN: Gray, very soft to medium stiff, clayey SILT, wet
UNDIVIDED COASTAL PLAIN: Gray, loose to medium dense, silty SAND, saturated

**378+50.00**

70
60
50
40
30

S-28

01/18

UNDIVIDED COASTAL PLAIN: Dark brown, very soft to medium stiff, clayey SILT, wet
UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, silty CLAY, wet
UNDIVIDED COASTAL PLAIN: Gray, very soft to medium stiff, clayey SILT, wet
UNDIVIDED COASTAL PLAIN: Gray, loose to medium dense, silty SAND, saturated

**378+00.00**

60
50
40
30

UNDIVIDED COASTAL PLAIN: Dark brown, very soft to medium stiff, clayey SILT, wet
UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, silty CLAY, wet
UNDIVIDED COASTAL PLAIN: Gray, very soft to medium stiff, clayey SILT, wet
UNDIVIDED COASTAL PLAIN: Gray, loose to medium dense, silty SAND, saturated

**377+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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|---|---|---|
| | R-2511 | 269 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50 40 30

SS-127
SS-128

4
11
10
16
18

01/18

UNDIVIDED COASTAL PLAIN: Gray-brown, medium stiff to stiff, sandy slightly to highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray, medium dense, fine to medium SAND, wet

**380+00.00**

UNDIVIDED COASTAL PLAIN: Gray-brown, medium stiff to stiff, sandy slightly to highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray, medium dense, fine to medium SAND, wet

**379+50.00**

UNDIVIDED COASTAL PLAIN: Gray-brown, medium stiff to stiff, sandy slightly to highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray, medium dense, fine to medium SAND, wet

**379+00.00**

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|---|---|---|
| | R-2511 | 270 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50 40 30

Ⓐ UNDIVIDED COASTAL PLAIN: Brown, medium stiff, sandy SILT, moist

UNDIVIDED COASTAL PLAIN: Brown-red to gray, medium stiff, to stiff, silty CLAY, wet

UNDIVIDED COASTAL PLAIN: Brown, very soft, sandy SILT, saturated

**381+50.00**

60 50 40

UNDIVIDED COASTAL PLAIN: Gray-brown, medium stiff to stiff, sandy slightly to highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray, medium dense, fine to medium SAND, wet

**381+00.00**

60 50 40

UNDIVIDED COASTAL PLAIN: Gray-brown, medium stiff to stiff, sandy slightly to highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray, medium dense, fine to medium SAND, wet

**380+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

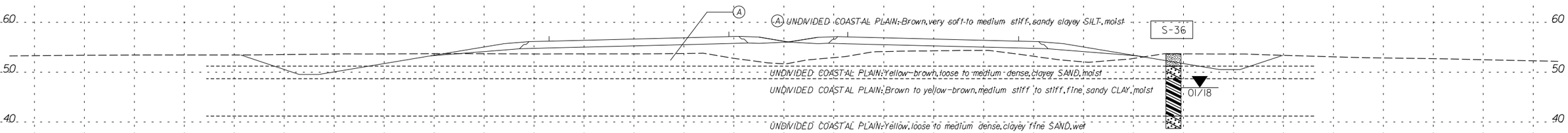
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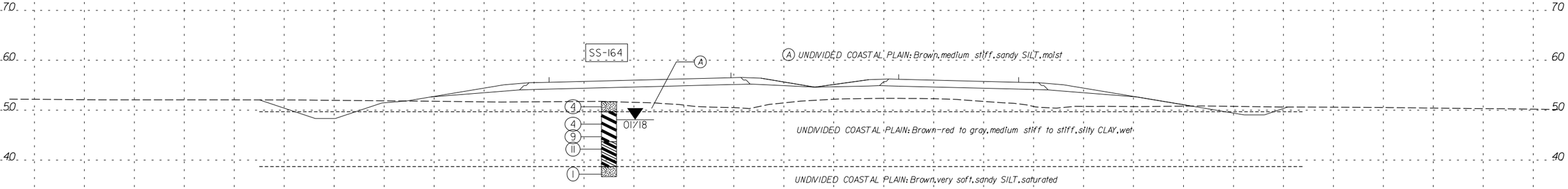
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|---|---|---|
| | R-2511 | 271 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
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**384+00.00**




**382+00.00**

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 272 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
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A UNDIVIDED COASTAL PLAIN: Brown, loose, silty fine SAND, moist

SS-123

UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff to stiff, sandy silty highly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Yellow-gray, loose, clayey fine SAND, wet

8
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8
6
4

01/18

**388+00.00**

SS-160

A UNDIVIDED COASTAL PLAIN: Brown, medium stiff, sandy SILT, moist

4
12
14
11
3

01/18

UNDIVIDED COASTAL PLAIN: Brown to gray-red, stiff, sandy silty slightly plastic CLAY to silty CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray-red, soft to stiff, sandy clayey SILT, wet

**386+00.00**

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 273 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50 40 30

SS-154

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13
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01/18

UNDIVIDED COASTAL PLAIN: Brown to brown-tan to brown-gray, soft to stiff, clayey SILT, wet

UNDIVIDED COASTAL PLAIN: Gray to brown-gray, loose to medium dense, clayey, fine SAND, saturated

**392+00.00**

80 70 60 50 40 30

S-25

01/18

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, silty moderately plastic CLAY, wet

**390+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 274 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50
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ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown to red-tan-brown to gray, medium stiff to stiff, sandy slightly to highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, very loose, silty SAND, wet

**393+50.00**

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND, and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown to red-tan-brown to gray, medium stiff to stiff, sandy slightly to highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, very loose, silty SAND, wet

**393+00.00**

UNDIVIDED COASTAL PLAIN: Brown to brown-tan to brown-gray, soft to stiff, clayey SILT, wet

UNDIVIDED COASTAL PLAIN: Gray to brown-gray, loose to medium dense, clayey fine SAND, saturated

**392+50.00**

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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 275 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
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ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown to red-tan-brown to gray, medium stiff to stiff, sandy slightly to highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, very loose, silty SAND, wet

**395+00.00**

70
60
50
40
30

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown to red-tan-brown to gray, medium stiff to stiff, sandy slightly to highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, very loose, silty SAND, wet

**394+50.00**

80
70
60
50
40
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SS-149
SS-150

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

4
8
11
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01/18

UNDIVIDED COASTAL PLAIN: Brown to red-tan-brown to gray, medium stiff to stiff, sandy slightly to highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, very loose, silty SAND, wet

**394+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 276 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50 40

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

(A) UNDIVIDED COASTAL PLAIN: Brown, soft to stiff, sandy SILT, wet

UNDIVIDED COASTAL PLAIN: Yellow-brown to gray-brown to gray, medium stiff to stiff, sandy silty moderately plastic CLAY, moist

**396+50.00**

(A) ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

(B) UNDIVIDED COASTAL PLAIN: Brown, soft to stiff, sandy SILT, wet

S-33

UNDIVIDED COASTAL PLAIN: Yellow-brown to gray-brown to gray, medium stiff to stiff, sandy silty moderately plastic CLAY, moist

07/18

FIAD

**396+00.00**

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

(A) UNDIVIDED COASTAL PLAIN: Brown, soft to stiff, sandy SILT, wet

UNDIVIDED COASTAL PLAIN: Yellow-brown to gray-brown to gray, medium stiff to stiff, sandy silty moderately plastic CLAY, moist

**395+50.00**

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 277 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50 40

SS-145

5
10
7
6
8

01/18

UNDIVIDED COASTAL PLAIN: Brown to gray-brown, medium stiff to stiff, sandy silty highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, medium stiff to stiff, clayey SILT, saturated

**398+00.00**

70 60 50 40

UNDIVIDED COASTAL PLAIN: Brown to gray-brown, medium stiff to stiff, sandy silty highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, medium stiff to stiff, clayey SILT, saturated

**397+50.00**

70 60 50 40

UNDIVIDED COASTAL PLAIN: Brown to gray-brown, medium stiff to stiff, sandy silty highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, medium stiff to stiff, clayey SILT, saturated

**397+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 278 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50
40

UNDIVIDED COASTAL PLAIN: Brown-tan, soft to stiff, silty slightly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, soft, sandy clayey SILT, wet

**399+50.00**

70
60
50
40

UNDIVIDED COASTAL PLAIN: Brown to gray-brown, medium stiff to stiff, sandy silty highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, medium stiff to stiff, clayey SILT, saturated

**399+00.00**

70
60
50
40

UNDIVIDED COASTAL PLAIN: Brown to gray-brown, medium stiff to stiff, sandy silty highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, medium stiff to stiff, clayey SILT, saturated

**398+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 279 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown to gray, medium stiff to stiff, silty highly plastic CLAY, moist

**401+00.00**

70
60
50

UNDIVIDED COASTAL PLAIN: Brown-tan, soft to stiff, silty slightly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, soft, sandy clayey SILT, wet

UNDIVIDED COASTAL PLAIN: Gray, soft, sandy clayey SILT, wet

**400+50.00**

40
80
70
60
50
40
30

SS-551
CBR-15

Pavement

2
9
14
8
3

02/18

UNDIVIDED COASTAL PLAIN: Brown-tan, soft to stiff, silty slightly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, soft, sandy clayey SILT, wet

FIAD

**400+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 280 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown to gray, medium stiff to stiff, silty highly plastic CLAY, moist

**403+00.00**

70
60
50

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown to gray, medium stiff to stiff, silty highly plastic CLAY, moist

**402+50.00**

80
70
60
50
40

S-21

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

01/18

UNDIVIDED COASTAL PLAIN: Brown to gray, medium stiff to stiff, silty highly plastic CLAY, moist

**402+00.00**

70
60
50

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown to gray, medium stiff to stiff, silty highly plastic CLAY, moist

**401+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 281 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50 40

SS-129

ROADWAY EMBANKMENT: Brown-gray, lobse to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

01/18

(4) UNDIVIDED COASTAL PLAIN: Brown, medium stiff, clayey SILT, wet

(7) (9) UNDIVIDED COASTAL PLAIN: Red-brown to gray-red, medium stiff to stiff, silty CLAY, wet

(8) UNDIVIDED COASTAL PLAIN: Gray, stiff, clayey SILT, wet

(3) UNDIVIDED COASTAL PLAIN: Gray, soft, silty CLAY, wet

**404+00.00**

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown, medium stiff, clayey SILT, wet

UNDIVIDED COASTAL PLAIN: Red-brown to gray-red, medium stiff to stiff, silty CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, stiff, clayey SILT, wet

UNDIVIDED COASTAL PLAIN: Gray, soft, silty CLAY, wet

**403+50.00**

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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 282 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown to brown-red to light brown, medium stiff to stiff, sandy silty moderately plastic CLAY, wet to saturated

**407+00.00**

70
60
50

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, sandy clayey SILT, wet

UNDIVIDED COASTAL PLAIN: Brown-gray, stiff, silty CLAY, saturated

UNDIVIDED COASTAL PLAIN: Gray, very loose to loose, silty fine SAND

**406+50.00**

40
80
70
60
50
40

SS-124

(A) UNDIVIDED COASTAL PLAIN: Brown-gray, stiff, silty CLAY, saturated

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

(A)

5
9
11
5
2

01/18

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, sandy clayey SILT, wet

UNDIVIDED COASTAL PLAIN: Gray, very loose to loose, silty fine SAND

**406+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 283 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown to brown-red to light brown, medium stiff to stiff, sandy silty moderately plastic CLAY, wet to saturated

## 408+50.00

S-L7

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff, sandy clayey SILT, moist to wet

01/18

UNDIVIDED COASTAL PLAIN: Brown to brown-red to light brown, medium stiff to stiff, sandy silty moderately plastic CLAY, wet to saturated

## 408+00.00

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown to brown-red to light brown, medium stiff to stiff, sandy silty moderately plastic CLAY, wet to saturated

## 407+50.00

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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 284 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50 40

SS-120

5
9
9
8
3

01/18

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown-tan, medium stiff to stiff, sandy silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, very loose, silty SAND, saturated

**410+00.00**

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown-tan, medium stiff to stiff, sandy silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, very loose, silty SAND, saturated

**409+50.00**

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown-tan, medium stiff to stiff, sandy silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, very loose, silty SAND, saturated

**409+00.00**

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 285 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50

Ⓐ UNDIVIDED COASTAL PLAIN: Brown, very loose, silty fine SAND, moist

Ⓐ

UNDIVIDED COASTAL PLAIN: Yellow-brown to red-brown, stiff, fine sandy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Yellow-gray to brown-red, loose, clayey fine SAND, moist to wet

**411+50.00**

80 70 60 50 40

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown-tan, medium stiff to stiff, sandy silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, very loose, silty SAND, saturated

**411+00.00**

80 70 60 50 40

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown-tan, medium stiff to stiff, sandy silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, very loose, silty SAND, saturated

**410+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 286 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50 40

S-15

01/18

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown, very soft to stiff, sandy slightly plastic CLAY, wet

**414+00.00**

A UNDIVIDED COASTAL PLAIN: Brown, very loose, silty fine SAND, moist

UNDIVIDED COASTAL PLAIN: Yellow-brown to red-brown, stiff, fine sandy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Yellow-gray to brown-red, loose, clayey fine SAND, moist to wet

SS-118

2
13
10
4
01/18
4

**412+00.00**

10/4/2018
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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 287 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50
40

UNDIVIDED COASTAL PLAIN: Brown, loose, silty fine SAND, wet

UNDIVIDED COASTAL PLAIN: Brown-tan-red, stiff, sandy-moderately plastic CLAY, wet to saturated

UNDIVIDED COASTAL PLAIN: Brown-tan-red, loose, clayey fine SAND, saturated

**417 + 50.00**

80
70
60
50
40

(A) UNDIVIDED COASTAL PLAIN: Brown, very loose, silty fine SAND, moist

(A)

SS-114

3
10
9
5
3

01-18

UNDIVIDED COASTAL PLAIN: Red-brown to gray-brown, medium stiff to stiff, fine sandy slightly plastic CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Brown-yellow, very loose, clayey fine SAND, wet

**416 + 00.00**

—L—

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 288 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80
70
60
50
40

UNDIVIDED COASTAL PLAIN: Brown, loose, silty fine SAND, wet

UNDIVIDED COASTAL PLAIN: Brown-tan-red, stiff, sandy, moderately plastic CLAY, wet to saturated

UNDIVIDED COASTAL PLAIN: Brown-tan-red, loose, clayey fine SAND, saturated

**419 + 00.00**

UNDIVIDED COASTAL PLAIN: Brown, loose, silty fine SAND, wet

UNDIVIDED COASTAL PLAIN: Brown-tan-red, stiff, sandy, moderately plastic CLAY, wet to saturated

UNDIVIDED COASTAL PLAIN: Brown-tan-red, loose, clayey fine SAND, saturated

**418 + 50.00**

SS-140

6
9
8
8
4

01/18

UNDIVIDED COASTAL PLAIN: Brown, loose, silty fine SAND, wet

UNDIVIDED COASTAL PLAIN: Brown-tan-red, stiff, sandy, moderately plastic CLAY, wet to saturated

UNDIVIDED COASTAL PLAIN: Brown-tan-red, loose, clayey fine SAND, saturated

**418 + 00.00**

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 289 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80
70
60
50
40

Ⓐ UNDIVIDED COASTAL PLAIN: Brown, soft to stiff, fine sandy SILT, moist

S-28

Ⓐ

Ⓐ

UNDIVIDED COASTAL PLAIN: Orange-brown, very soft to stiff, fine sandy CLAY , moist

01/18

UNDIVIDED COASTAL PLAIN: Gray-brown, soft to stiff, clayey SILT, moist

**420+00.00**

80
70
60
50
40

Ⓐ UNDIVIDED COASTAL PLAIN: Brown, soft to stiff, fine sandy SILT, moist

Ⓐ

UNDIVIDED COASTAL PLAIN: Orange-brown, very soft to stiff, fine sandy CLAY , moist

UNDIVIDED COASTAL PLAIN: Gray-brown, soft to stiff, clayey SILT, moist

**419+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 290 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

90 80 70 60 50 40

Ⓐ UNDIVIDED COASTAL PLAIN: Brown-gray, soft, sandy clayey SILT, moist

SS-107
SS-108

Ⓐ

UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff, fine sandy slightly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Brown-gray, very loose to loose, clayey fine SAND, wet

UNDIVIDED COASTAL PLAIN: Blue-gray, very soft, fine sandy CLAY, wet

③ ④ ⑥ ② ①

01/18

424+00.00

SS-557
CBR-16

Ⓐ

Ⓐ ROADWAY EMBANKMENT: Brown, medium dense, silty SAND, trace gravel, trace organics, moist

⑬ ⑦ ⑧ ⑥ ③

02/18

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, sandy clayey SILT, wet

UNDIVIDED COASTAL PLAIN: Brown-tan, soft, silty CLAY, saturated

422+00.00

90 80 70 60 50 40

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 291 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown, very soft to stiff, sandy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray-brown, very loose to loose, clayey fine SAND, wet

**425+50.00**

80 70 60 50

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown, very soft to stiff, sandy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray-brown, very loose to loose, clayey fine SAND, wet

**425+00.00**

80 70 60 50 40

(A) UNDIVIDED COASTAL PLAIN: Brown-gray, soft, sandy clayey SILT, moist

(A)

UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff, fine sandy slightly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Brown-gray, very loose to loose, clayey fine SAND, wet

UNDIVIDED COASTAL PLAIN: Blue-gray, very soft, fine sandy CLAY, wet

**424+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 292 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80
70
60
50

UNDIVIDED COASTAL PLAIN: Brown, very soft to stiff, sandy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray-brown, very loose to loose, clayey fine SAND, wet

**427+00.00**

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown, very soft to stiff, sandy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray-brown, very loose to loose, clayey fine SAND, wet

**426+50.00**

S-26

01/18

UNDIVIDED COASTAL PLAIN: Brown, very soft to stiff, sandy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray-brown, very loose to loose, clayey fine SAND, wet

**426+00.00**



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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 293 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80
70
60
50

SS-102

UNDIVIDED COASTAL PLAIN: Brown, loose, silty fine SAND, moist
UNDIVIDED COASTAL PLAIN: Brown-gray, stiff, sandy CLAY, moist
UNDIVIDED COASTAL PLAIN: Brown to brown-gray, very loose to loose, clayey fine SAND, wet

6
8
9
9
2

01/18

**428+00.00**

80
70
60
50

UNDIVIDED COASTAL PLAIN: Brown, loose, silty fine SAND, moist
UNDIVIDED COASTAL PLAIN: Brown-gray, stiff, sandy CLAY, moist
UNDIVIDED COASTAL PLAIN: Brown to brown-gray, very loose to loose, clayey fine SAND, wet

**427+50.00**

—L—

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 294 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

90 80 70 60 50 40

SS-109

A UNDIVIDED COASTAL PLAIN: Brown, medium stiff, clayey SILT, moist

6 7 6 3 1

01/18

UNDIVIDED COASTAL PLAIN: Red-brown, medium stiff, silty CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray to gray-red, very soft to medium stiff, clayey SILT, saturated

**434+00.00**

SS-114
SS-115

5 6 7 7 3

01/18

UNDIVIDED COASTAL PLAIN: Brown, medium stiff, sandy clayey SILT, trace organics, wet to saturated

UNDIVIDED COASTAL PLAIN: Gray, loose, silty SAND, saturated

UNDIVIDED COASTAL PLAIN: Brown-tan, soft, silty CLAY, saturated

**430+00.00**

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 295 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

90
80
70
60
50
40

S-24

F1AD
1/18

UNDIVIDED COASTAL PLAIN: Brown to gray, soft to stiff, sandy, slightly plastic CLAY and silty CLAY, wet to saturated

438+00.00

90
80
70
60
50

Ⓐ UNDIVIDED COASTAL PLAIN: Brown, medium stiff, sandy SILT, moist

SS-134

Ⓐ

⑦ 01/18

⑩ UNDIVIDED COASTAL PLAIN: Brown-red, stiff, silty CLAY, wet

⑨ UNDIVIDED COASTAL PLAIN: Gray-brown, loose, clayey fine SAND, saturated

⑥ UNDIVIDED COASTAL PLAIN: Brown, soft, silty CLAY, saturated

②

436+00.00

90
80
70
60
50

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 296 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

90
80
70
60
50

SS-104

(A) UNDIVIDED COASTAL PLAIN: Brown, stiff, sandy SILT, moist

A

8
10
8
4
WOH

01/18

UNDIVIDED COASTAL PLAIN: Brown-red, stiff, silty CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Red-brown, medium stiff, clayey SILT, saturated

UNDIVIDED COASTAL PLAIN: Tan-brown, very soft, silty CLAY, saturated

**442+00.00**

80
70
60
50

SS-98

4
6
5
3
2

01/18

UNDIVIDED COASTAL PLAIN: Brown, loose, silty fine SAND, trace organics, moist

UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff, fine sandy slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Brown to gray to green-gray, very loose to loose, silty fine SAND, wet

**440+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

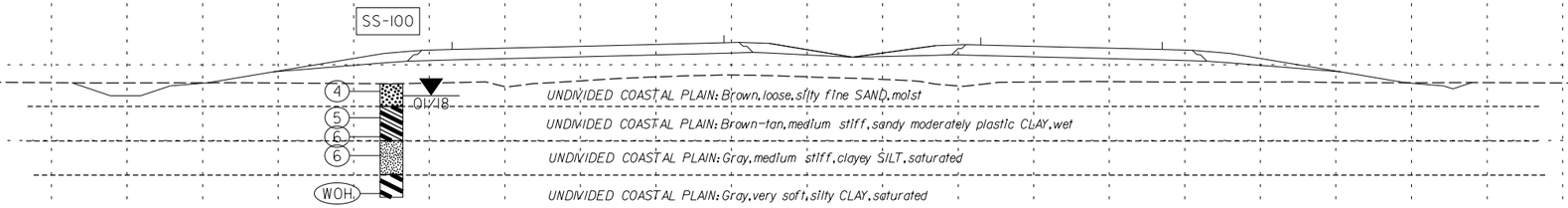
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abazargi

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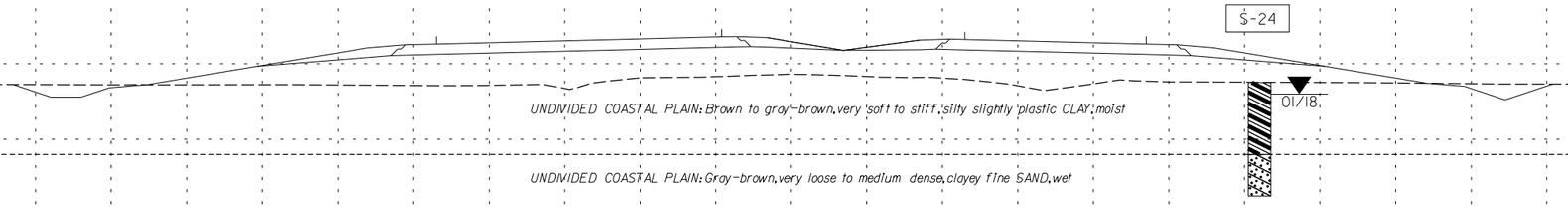
| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 297 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

90 80 70 60 50




**446+00.00**




**444+00.00**

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 298 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80
70
60
50
40

UNDIVIDED COASTAL PLAIN: Brown, medium stiff, fine sandy SILT, moist

UNDIVIDED COASTAL PLAIN: Gray-yellow, very soft to stiff, fine sandy CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray-brown, medium stiff, fine sandy SILT, wet

UNDIVIDED COASTAL PLAIN: Brown-gray, very loose to medium dense, clayey fine SAND, wet

DRY
1/18

**450+00.00**

90
80
70
60
50

(A) UNDIVIDED COASTAL PLAIN: Gray-brown, medium stiff, fine sandy CLAY, moist

SS-92

UNDIVIDED COASTAL PLAIN: Brown, loose, silty fine SAND, moist

UNDIVIDED COASTAL PLAIN: Brown to red-brown to brown-gray to yellow-brown, very loose to loose, silty fine SAND and fine to coarse SAND, moist to wet

5
6
6
4
2

01/18

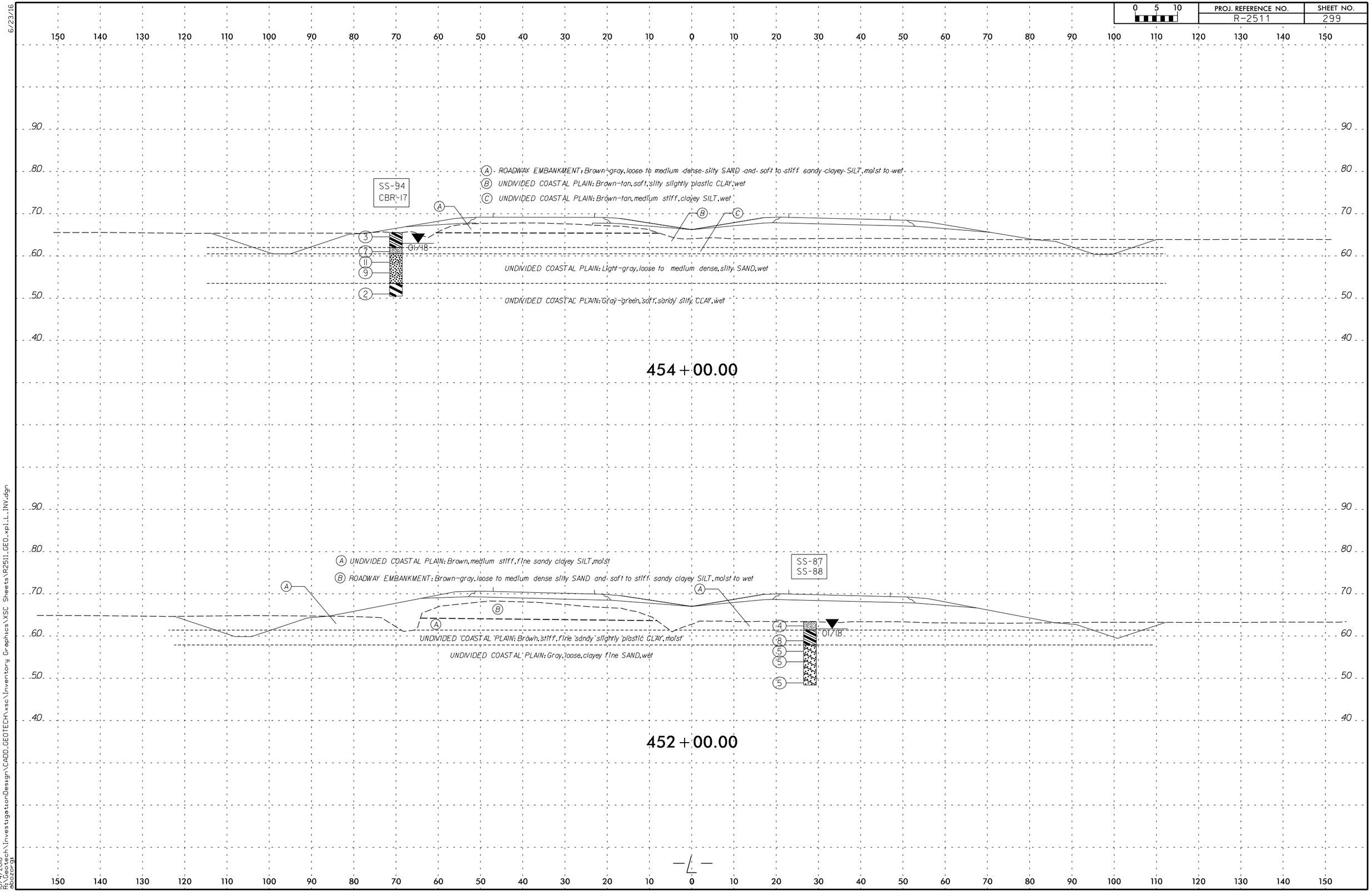
**448+00.00**

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150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 299 |




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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 300 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

90 80 70 60 50

SS-90
SS-91

A UNDIVIDED COASTAL PLAIN: Brown, loose, silty SAND, moist

A

14
17
18
13
15

01/18

UNDIVIDED COASTAL PLAIN: Red-brown-gray, medium stiff, fine sandy slightly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, very loose to loose, clayey fine SAND, saturated

UNDIVIDED COASTAL PLAIN: Gray, medium stiff, silty CLAY, saturated

A

458+00.00

S-17

01/18

UNDIVIDED COASTAL PLAIN: Brown, very loose to medium dense, silty fine SAND, moist

UNDIVIDED COASTAL PLAIN: Yellow-brown, soft to stiff, fine sandy SILT, moist

UNDIVIDED COASTAL PLAIN: Gray-brown, very loose to, medium dense, clayey fine SAND, wet

456+00.00

90 80 70 60 50 40

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 301 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

90
80
70
60
50

Ⓐ UNDIVIDED COASTAL PLAIN: Brown, loose, silty clayey fine SAND, moist

Ⓐ UNDIVIDED COASTAL PLAIN: Brown-yellow to gray, medium stiff to stiff, fine sandy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Red-gray, loose, clayey fine SAND, wet

**462+00.00**

Ⓐ UNDIVIDED COASTAL PLAIN: Yellow-brown, soft, fine sandy SILT, wet

UNDIVIDED COASTAL PLAIN: Brown-gray to gray to pink-gray, very loose to medium dense, clayey fine to coarse SAND, wet

**461+50.00**

Ⓐ UNDIVIDED COASTAL PLAIN: Yellow-brown, soft, fine sandy SILT, wet

SS-82
SS-84

UNDIVIDED COASTAL PLAIN: Brown-gray to gray to pink-gray, very loose to medium dense, clayey fine to coarse SAND, wet

3
5
8
10
2

01718

**460+00.00**

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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 302 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

90 80 70 60 50

Ⓐ UNDIVIDED COASTAL PLAIN: Brown, loose, silty clayey fine SAND, moist

Ⓐ UNDIVIDED COASTAL PLAIN: Brown-yellow to gray, medium stiff to stiff, fine sandy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Red-gray, loose, clayey fine SAND, wet

**463+50.00**

Ⓐ UNDIVIDED COASTAL PLAIN: Brown, loose, silty clayey fine SAND, moist

Ⓐ UNDIVIDED COASTAL PLAIN: Brown-yellow to gray, medium stiff to stiff, fine sandy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Red-gray, loose, clayey fine SAND, wet

**463+00.00**

Ⓐ UNDIVIDED COASTAL PLAIN: Brown, loose, silty clayey fine SAND, moist

Ⓐ UNDIVIDED COASTAL PLAIN: Brown-yellow to gray, medium stiff to stiff, fine sandy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Red-gray, loose, clayey fine SAND, wet

**462+50.00**

10/4/2018
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dhoogl

6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 303 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

90
80
70
60
50

(A) UNDIVIDED COASTAL PLAIN: Brown, loose, silty clayey fine SAND, moist

(A) UNDIVIDED COASTAL PLAIN: Brown-yellow to gray, medium stiff, to stiff, fine sandy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Red-gray, loose, clayey fine SAND, wet

**465+00.00**

(A) UNDIVIDED COASTAL PLAIN: Brown, loose, silty clayey fine SAND, moist

(A) UNDIVIDED COASTAL PLAIN: Brown-yellow to gray, medium stiff to stiff, fine sandy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Red-gray, loose, clayey fine SAND, wet

**464+50.00**

SS-77
SS-78

(A) UNDIVIDED COASTAL PLAIN: Brown, loose, silty clayey fine SAND, moist

(A) UNDIVIDED COASTAL PLAIN: Brown-yellow to gray, medium stiff to stiff, fine sandy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Red-gray, loose, clayey fine SAND, wet

5
8
7
8
5

01/18

**464+00.00**

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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 304 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

90
80
70
60
50

SS-84
SS-85
SS-86
CBR-18

(A) UNDIVIDED COASTAL PLAIN: Dark gray, medium stiff, fine sandy clayey SILT, wet

5
5
5
3
2

01/18

(A)

UNDIVIDED COASTAL PLAIN: Brown-tan, medium stiff, fine sandy, slightly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, very loose to loose, clayey fine SAND, wet

UNDIVIDED COASTAL PLAIN: Brown-tan, soft, clayey SILT, saturated

**466+00.00**

(A) UNDIVIDED COASTAL PLAIN: Dark gray, medium- stiff, fine sandy clayey-SILT, wet

(A)

UNDIVIDED COASTAL PLAIN: Brown-tan, medium stiff, fine sandy slightly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, very loose to loose, clayey fine SAND, wet

UNDIVIDED COASTAL PLAIN: Brown-tan, soft, clayey SILT, saturated

**465+50.00**

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 305 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

90
80
70
60
50

SS-80

4
8
15
12
10

01/18

UNDIVIDED COASTAL PLAIN: Brown-gray, loose, silty fine SAND, wet

UNDIVIDED COASTAL PLAIN: Red-tan, stiff to very stiff, sandy moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: White-gray to red, stiff, clayey SILT, saturated

**470+00.00**

90
80
70
60
50
40

S-13
S-14

01/18

FIAD

UNDIVIDED COASTAL PLAIN: Brown, soft to stiff, fine sandy SILT, moist

UNDIVIDED COASTAL PLAIN: Gray-brown, medium stiff to stiff, fine sandy slightly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Brown-gray, very loose to medium dense, clayey fine SAND, wet

**468+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 306 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

90
80
70
60
50

S-14

01/18

UNDIVIDED COASTAL PLAIN: Light brown-tan, stiff to very stiff, fine sandy clayey SILT, moist

**474+00.00**

SS-73

3
7
8
4
2

01/18

FIAD

UNDIVIDED COASTAL PLAIN: Brown, very loose, clayey fine SAND, moist

UNDIVIDED COASTAL PLAIN: Red-gray, medium stiff, fine sdndy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray-brown, very loose to loose, clayey fine SAND, moist to wet

**472+00.00**

10/4/2018
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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 307 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

90 80 70 60 50 40

SS-75
SS-76

10 4 10 3 2

01/18

UNDIVIDED COASTAL PLAIN: Brown to brown-gray-red to brown-tan, very loose to medium dense, clayey fine SAND, moist to saturated

UNDIVIDED COASTAL PLAIN: Gray, soft, silty CLAY, saturated

**478+00.00**

SS-68

7 6 3 3 9

01/18

UNDIVIDED COASTAL PLAIN: Brown to brown-gray to tan-gray, very loose to loose, clayey fine SAND, moist to wet

UNDIVIDED COASTAL PLAIN: Green-gray, stiff, fine sandy CLAY, wet

**476+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 308 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

90
80
70
60
50
40

SS-70
SS-71

4
6
4
3
16

01/18

UNDIVIDED COASTAL PLAIN: Brown to gray, loose, clayey fine SAND, wet to saturated

UNDIVIDED COASTAL PLAIN: Gray, soft, silty sandy CLAY, saturated

UNDIVIDED COASTAL PLAIN: Gray, very stiff, sandy, clayey SILT, saturated

**482+00.00**

S-13

01/18

UNDIVIDED COASTAL PLAIN: Gray-brown, stiff to very stiff, clayey SILT, wet

UNDIVIDED COASTAL PLAIN: Brown, soft to stiff, silty CLAY, wet

**480+00.00**

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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 309 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50 40

S-12

01/18

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, clayey SILT, moist

UNDIVIDED COASTAL PLAIN: Brown, very soft to medium stiff, sandy CLAY, wet

**486+00.00**

80 70 60 50 40

SS-65

5 6 5 3 4

01/18

UNDIVIDED COASTAL PLAIN: Brown, loose, clayey fine SAND, wet

UNDIVIDED COASTAL PLAIN: Brown-red, soft to medium stiff, silty CLAY, saturated

**484+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 310 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50

UNDIVIDED COASTAL PLAIN: Brown to gray-brown, medium stiff to stiff, fine sandy moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray-brown, loose, clayey fine SAND, saturated

UNDIVIDED COASTAL PLAIN: Gray, soft, silty CLAY, saturated

**489+00.00**

80 70 60 50 40

(A) UNDIVIDED COASTAL PLAIN: Tan-brown, medium stiff, fine sandy SILT, moist

UNDIVIDED COASTAL PLAIN: Brown-gray to white to tan-gray, very loose to medium dense, clayey fine SAND, wet

UNDIVIDED COASTAL PLAIN: Green-gray, soft, fine sandy CLAY, wet

**488+50.00**

80 70 60 50 40

(A) UNDIVIDED COASTAL PLAIN: Tan-brown, medium stiff, fine sandy SILT, moist

UNDIVIDED COASTAL PLAIN: Brown-gray to white to tan-gray, very loose to medium dense, clayey fine SAND, wet

UNDIVIDED COASTAL PLAIN: Green-gray, soft, fine sandy CLAY, wet

SS-62

4
11
10
2
2

01/18

**488+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 311 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50

UNDIVIDED COASTAL PLAIN: Brown to gray-brown, medium stiff to stiff, fine sandy moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray-brown, loose, clayey fine SAND, saturated

UNDIVIDED COASTAL PLAIN: Gray, soft, silty CLAY, saturated

**490+50.00**

90 80 70 60 50

SS-59
SS-61

7
9
4
3
2

01/18

UNDIVIDED COASTAL PLAIN: Brown to gray-brown, medium stiff to stiff, fine sandy moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray-brown, loose, clayey fine SAND, saturated

UNDIVIDED COASTAL PLAIN: Gray, soft, silty CLAY, saturated

**490+00.00**

80 70 60 50 40

UNDIVIDED COASTAL PLAIN: Brown to gray-brown, medium stiff to stiff, fine sandy moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray-brown, loose, clayey fine SAND, saturated

UNDIVIDED COASTAL PLAIN: Gray, soft, silty CLAY, saturated

**489+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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abcoop

6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 312 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50

UNDIVIDED COASTAL PLAIN: Gray, medium stiff to stiff, fine sandy clayey SILT, wet

**492+50.00**

80
70
60
50

S-11
01/18

UNDIVIDED COASTAL PLAIN: Gray, medium stiff to stiff, fine sandy clayey SILT, wet

**492+00.00**

70
60
50

UNDIVIDED COASTAL PLAIN: Gray, medium stiff to stiff, fine sandy clayey SILT, wet

**491+50.00**

80
70
60
50

UNDIVIDED COASTAL PLAIN: Brown to gray-brown, medium stiff to stiff, fine sandy moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray-brown, loose, clayey fine SAND, saturated

UNDIVIDED COASTAL PLAIN: Gray, soft, silty CLAY, saturated

**491+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 313 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50 40

Ⓐ UNDIVIDED COASTAL PLAIN: Brown, medium stiff, silty CLAY, wet

Ⓑ UNDIVIDED COASTAL PLAIN: Light gray, stiff, sandy SILT, saturated

SS-55

5
8
11
2
3

01/18

UNDIVIDED COASTAL PLAIN: Dark gray, loose, clayey fine SAND, wet

UNDIVIDED COASTAL PLAIN: Light gray, soft, silty CLAY, saturated

## 494+00.00

Ⓐ UNDIVIDED COASTAL PLAIN: Brown, medium stiff, silty CLAY, wet

UNDIVIDED COASTAL PLAIN: Dark gray, loose, clayey fine SAND, wet

UNDIVIDED COASTAL PLAIN: Light gray, stiff, sandy SILT, saturated

UNDIVIDED COASTAL PLAIN: Light gray, soft, silty CLAY, saturated

## 493+50.00

Ⓐ UNDIVIDED COASTAL PLAIN: Brown, medium stiff, silty CLAY, wet

UNDIVIDED COASTAL PLAIN: Dark gray, loose, clayey fine SAND, wet

UNDIVIDED COASTAL PLAIN: Light gray, stiff, sandy SILT, saturated

UNDIVIDED COASTAL PLAIN: Light gray, soft, silty CLAY, saturated

## 493+00.00

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abcoop

6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 314 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50

UNDIVIDED COASTAL PLAIN: Brown, loose, silty fine SAND, saturated
UNDIVIDED COASTAL PLAIN: Gray-white, stiff, sandy SILT, saturated
UNDIVIDED COASTAL PLAIN: Gray, very soft to soft, silty CLAY, saturated

## 495+50.00

80
70
60
50

(A) UNDIVIDED COASTAL PLAIN: Brown, medium stiff, silty CLAY, wet
(B) UNDIVIDED COASTAL PLAIN: Light gray, stiff, sandy SILT, saturated
UNDIVIDED COASTAL PLAIN: Dark gray, loose, clayey fine SAND, wet
UNDIVIDED COASTAL PLAIN: Light gray, soft, silty CLAY, saturated

## 495+00.00

80
70
60
50

(A) UNDIVIDED COASTAL PLAIN: Brown, medium stiff, silty CLAY, wet
(B) UNDIVIDED COASTAL PLAIN: Light gray, stiff, sandy SILT, saturated
UNDIVIDED COASTAL PLAIN: Dark gray, loose, clayey fine SAND, wet
UNDIVIDED COASTAL PLAIN: Light gray, soft, silty CLAY, saturated

## 494+50.00

40

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 315 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50 40

S-9

UNDIVIDED COASTAL PLAIN: Light brown-tan, stiff, sandy clayey SILT, moist

UNDIVIDED COASTAL PLAIN: Tan, brown, soft to very stiff, silty CLAY, wet

DRY
1/18

498+00.00

SS-561

Pavement

UNDIVIDED COASTAL PLAIN: Brown, loose, silty fine SAND, saturated

UNDIVIDED COASTAL PLAIN: Gray-white, stiff, sandy SILT, saturated

UNDIVIDED COASTAL PLAIN: Gray, very soft to soft, silty CLAY, saturated

8
10
2
2
WOH

02/18

FIAD

496+00.00

10/4/2018
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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 316 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50

UNDIVIDED COASTAL PLAIN: Brown to gray, medium stiff to stiff, sandy silty highly plastic CLAY, saturated

**499+50.00**

80 70 60 50 40 30

SS-50
ST-10

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

5
12
8
4
5

01/18

UNDIVIDED COASTAL PLAIN: Brown to gray, medium stiff to stiff, sandy silty highly plastic CLAY, saturated

**499+00.00**

70 60 50

UNDIVIDED COASTAL PLAIN: Brown to gray, medium stiff to stiff, sandy silty highly plastic CLAY, saturated

**498+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 317 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50

(A) UNDIVIDED COASTAL PLAIN: Brown, soft, sandy SILT, moist

UNDIVIDED COASTAL PLAIN: Brown-red-gray, stiff to very stiff, sandy highly plastic CLAY, wet

501+50.00

80 70 60 50

(A) UNDIVIDED COASTAL PLAIN: Brown, soft, sandy SILT, moist

UNDIVIDED COASTAL PLAIN: Brown-red-gray, stiff to very stiff, sandy highly plastic CLAY, wet

501+00.00

70 60 50 40

SS-57

UNDIVIDED COASTAL PLAIN: Brown, very loose, silty fine SAND, moist (3)

UNDIVIDED COASTAL PLAIN: Brown, soft, fine sandy slightly plastic CLAY, wet (2)

(2)

UNDIVIDED GOASTAL PLAIN: Brown-gray, loose to medium dense, clayey fine SAND, wet (6)

(13)

01/18

500+00.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 318 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50

(A) UNDIVIDED COASTAL PLAIN: Brown, soft, sandy SILT, moist

UNDIVIDED COASTAL PLAIN: Brown-red-gray, stiff to very stiff, sandy highly plastic CLAY, wet

**503+00.00**

80 70 60 50

(A) UNDIVIDED COASTAL PLAIN: Brown, soft, sandy SILT, moist

UNDIVIDED COASTAL PLAIN: Brown-red-gray, stiff to very stiff, sandy highly plastic CLAY, wet

**502+50.00**

80 70 60 50 40

SS-45

(A) UNDIVIDED COASTAL PLAIN: Brown, soft, sandy SILT, moist

3
28
19
15
9

DRY
1/18

UNDIVIDED COASTAL PLAIN: Brown-red-gray, stiff to very stiff, sandy highly plastic CLAY, wet

**502+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 319 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50

UNDIVIDED COASTAL PLAIN: Brown-gray to red-brown, soft to very stiff, silty slightly to highly plastic CLAY, moist to wet

**505+00.00**

70 60 50

UNDIVIDED COASTAL PLAIN: Brown-gray to red-brown, soft to very stiff, silty slightly to highly plastic CLAY, moist to wet

**504+50.00**

80 70 60 50 40

S-6

01/18

UNDIVIDED COASTAL PLAIN: Brown-gray to red-brown, soft to very stiff, silty slightly to highly plastic CLAY, moist to wet

**504+00.00**

70 60 50

UNDIVIDED COASTAL PLAIN: Brown-gray to red-brown, soft to very stiff, silty slightly to highly plastic CLAY, moist to wet

**503+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 320 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50

UNDIVIDED COASTAL PLAIN: Brown to gray, soft to very stiff, sandy silty highly plastic CLAY, moist to saturated

**507+00.00**

70
60
50

UNDIVIDED COASTAL PLAIN: Brown to gray, soft to very stiff, sandy silty highly plastic CLAY, moist to saturated

**506+50.00**

80
70
60
50
40

SS-41

9
21
14
11
3

01/18

UNDIVIDED COASTAL PLAIN: Brown to gray, soft to very stiff, sandy silty highly plastic CLAY, moist to saturated

**506+00.00**

70
60
50

UNDIVIDED COASTAL PLAIN: Brown to gray, soft to very stiff, sandy silty highly plastic CLAY, moist to saturated

**505+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 321 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50
40

UNDIVIDED COASTAL PLAIN: Brown to red to gray-brown, soft to very stiff, sandy silty moderately plastic CLAY, saturated

508+50.00

80
70
60
50
40

SS-34
SS-35

UNDIVIDED COASTAL PLAIN: Brown to red to gray-brown, soft to very stiff, sandy silty moderately plastic CLAY, saturated

5
16
9
7
3

01/18

508+00.00

70
60
50

UNDIVIDED COASTAL PLAIN: Brown to red to gray-brown, soft to very stiff, sandy silty moderately plastic CLAY, saturated

507+50.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 322 |

## 511+00.00

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Yellow-gray, medium stiff, sandy CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray-yellow, loose, clayey fine SAND, wet

UNDIVIDED COASTAL PLAIN: Blue-gray, very soft to soft, silty highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Brown-yellow, medium dense, clayey SAND, wet

S-4

FIAD 1/18

## 510+00.00

UNDIVIDED COASTAL PLAIN: Brown-gray, loose to medium dense, clayey SAND, wet

UNDIVIDED COASTAL PLAIN: Brown, soft to very stiff, silty sandy moderately plastic CLAY, wet to saturated

## 509+50.00

UNDIVIDED COASTAL PLAIN: Brown-gray, loose to medium dense, clayey SAND, wet

UNDIVIDED COASTAL PLAIN: Brown, soft to very stiff, silty sandy moderately plastic CLAY, wet to saturated

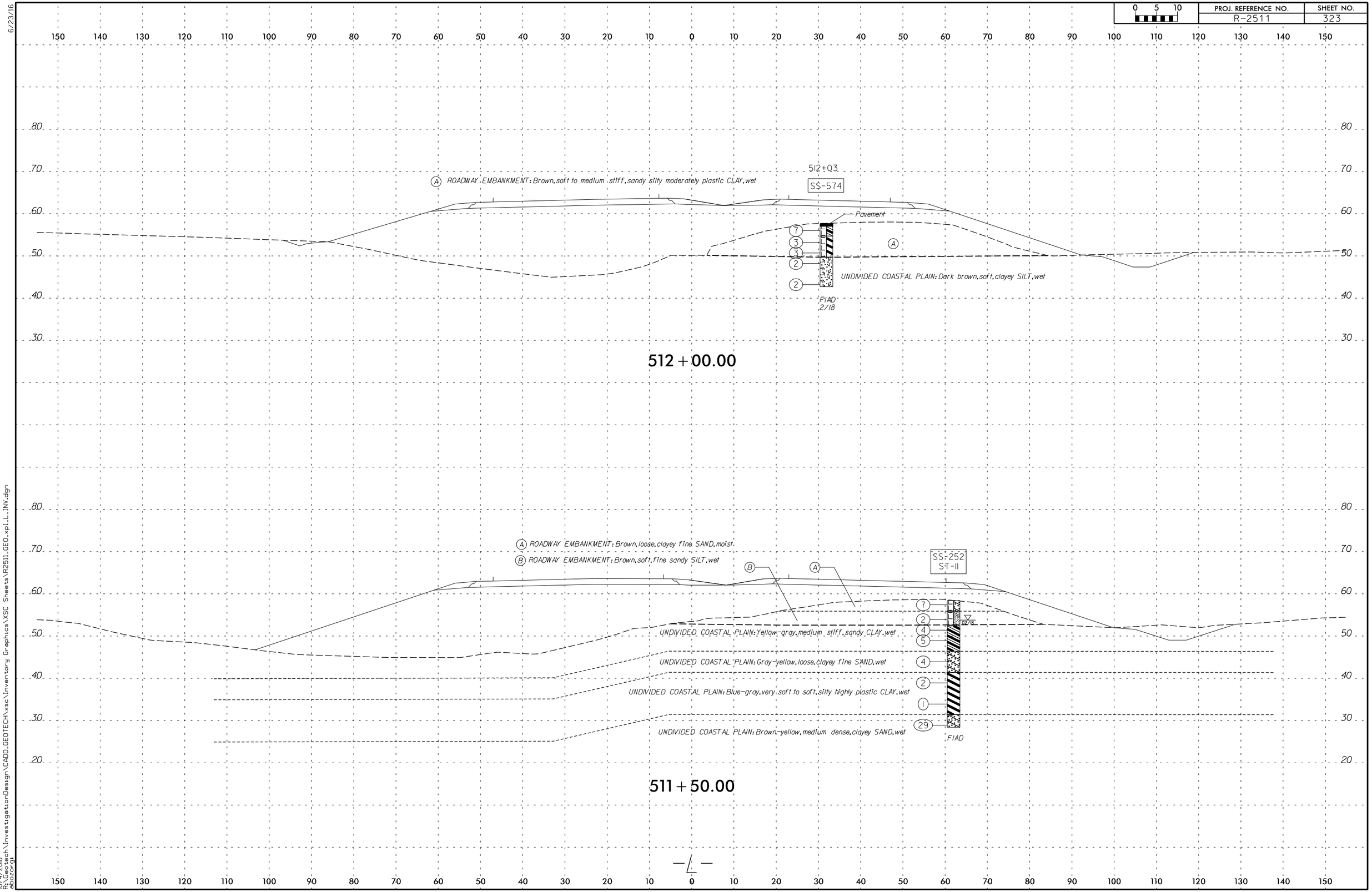
## 509+00.00

UNDIVIDED COASTAL PLAIN: Brown to red to gray-brown, soft to very stiff, sandy silty moderately plastic CLAY, saturated

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
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| | R-2511 | 323 |




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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 324 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50

UNDIVIDED COASTAL PLAIN: Gray, soft to stiff, sandy silty moderately plastic CLAY, wet to saturated

**514+50.00**

80 70 60 50 40

SS-30

4 9 5 4 3

01/18

UNDIVIDED COASTAL PLAIN: Gray, soft to stiff, sandy silty moderately plastic CLAY, wet to saturated

**514+00.00**

70 60 50 40

UNDIVIDED COASTAL PLAIN: Gray, soft to stiff, sandy silty moderately plastic CLAY, wet to saturated

**513+50.00**

70 60 50 40

UNDIVIDED COASTAL PLAIN: Dark brown, soft, clayey SILT, wet

**512+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 325 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

80 70 60 50 40 30

S-9

01/18

UNDIVIDED COASTAL PLAIN: Brown-gray, very soft to stiff, fine sandy, slightly plastic CLAY, moist

516+00.00

70 60 50 40

UNDIVIDED COASTAL PLAIN: Brown-gray, very soft to stiff, fine sandy, slightly plastic CLAY, moist

515+50.00

70 60 50 40

UNDIVIDED COASTAL PLAIN: Brown-gray, very soft to stiff, fine sandy, slightly plastic CLAY, moist

515+00.00

70 60 50 40

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 326 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50 40 30

(A) UNDIVIDED COASTAL PLAIN: Brown, medium stiff, sandy SILT, moist

UNDIVIDED COASTAL PLAIN: Gray, stiff, silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, soft to stiff, sandy SILT, saturated

UNDIVIDED COASTAL PLAIN: Dark gray, soft, silty highly plastic CLAY, saturated

**517 + 50.00**

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown-gray, very soft to stiff, fine sandy slightly plastic CLAY, moist

**517 + 00.00**

ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

UNDIVIDED COASTAL PLAIN: Brown-gray, very soft to stiff, fine sandy slightly plastic CLAY, moist

**516 + 50.00**

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 327 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60
50
40
30

UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff to stiff, fine sandy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Brown-gray, loose, clayey fine SAND, wet

UNDIVIDED COASTAL PLAIN: Blue-gray, soft, fine, sandy CLAY, wet

UNDIVIDED COASTAL PLAIN: Blue-gray, very loose, clayey fine SAND, wet

**519+00.00**

70
60
50
40
30

(A) UNDIVIDED COASTAL PLAIN: Brown, medium stiff, sandy SILT, moist

(A)

UNDIVIDED COASTAL PLAIN: Gray, stiff, silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, soft to stiff, sandy SILT, saturated

UNDIVIDED COASTAL PLAIN: Dark gray, soft, silty highly plastic CLAY, saturated

**518+50.00**

70
60
50
40
30

(A) UNDIVIDED COASTAL PLAIN: Brown, medium stiff, sandy SILT, moist

SS-24

(A)

6
12
11
3
2

01/18

UNDIVIDED COASTAL PLAIN: Gray, stiff, silty moderately plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Gray, soft to stiff, sandy SILT, saturated

UNDIVIDED COASTAL PLAIN: Dark gray, soft, silty highly plastic CLAY, saturated

**518+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 328 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60
50
40
30

UNDIVIDED- COASTAL- PLAIN: Brown-gray, medium - stiff - to stiff, fine sandy moderately-plastic CLAY, moist
UNDIVIDED COASTAL PLAIN: Brown-gray, loose, clayey fine SAND, wet
UNDIVIDED COASTAL PLAIN: Blue-gray, soft, fine sandy CLAY, wet
UNDIVIDED- COASTAL- PLAIN: Blue-gray, very loose, clayey fine SAND, wet

**520+50.00**

70
60
50
40
30

SS-51

6
10
5
2
2

01/18

UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff to stiff, fine sandy moderately plastic CLAY, moist
UNDIVIDED COASTAL PLAIN: Brown-gray, loose, clayey fine SAND, wet
UNDIVIDED COASTAL PLAIN: Blue-gray, soft, fine sandy CLAY, wet
UNDIVIDED COASTAL PLAIN: Blue-gray, very loose, clayey fine SAND, wet

**520+00.00**

60
50
40
30

UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff to stiff, fine sandy moderately plastic CLAY, moist
UNDIVIDED COASTAL PLAIN: Brown-gray, loose, clayey fine SAND, wet
UNDIVIDED COASTAL PLAIN: Blue-gray, soft, fine sandy CLAY, wet,
UNDIVIDED COASTAL PLAIN: Blue-gray, very loose, clayey fine SAND, wet

**519+50.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 329 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50 40 30

S-6
S-7

UNDIVIDED COASTAL PLAIN: Brown-gray, soft to stiff, fine sandy clayey SILT, moist

UNDIVIDED COASTAL PLAIN: Brown-gray, very loose to medium dense, silty fine SAND, moist to wet

01/18

FIAD

522+00.00

60 50 40

UNDIVIDED COASTAL PLAIN: Brown-gray, soft to stiff, fine sandy clayey SILT, moist

UNDIVIDED COASTAL PLAIN: Brown-gray, very loose to medium dense, silty fine SAND, moist to wet

521+50.00

60 50 40 30

UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff to stiff, fine sandy moderately plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Brown-gray, loose, clayey fine SAND, wet

UNDIVIDED COASTAL PLAIN: Blue-gray, soft, fine sandy CLAY, wet

UNDIVIDED COASTAL PLAIN: Blue-gray, very loose, clayey fine SAND, wet

521+00.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 330 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50
40
30

SS-3

UNDIVIDED COASTAL PLAIN: Brown, stiff, fine sandy SILT, wet

01/18

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, fine, sandy CLAY, moist

UNDIVIDED COASTAL PLAIN: Brown, loose to medium dense, clayey fine SAND, wet

**528+00.00**

(A) UNDIVIDED COASTAL PLAIN: Brown, medium stiff, fine sandy SILT, moist

SS-46
SS-47

UNDIVIDED COASTAL PLAIN: Brown-gray to gray to tan-gray to yellow-gray, loose to medium dense clayey fine SAND to fine SAND, moist to wet

5
11
7
6
12

01/18

FIAD

**524+00.00**

10/4/2018
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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 331 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50
40
30

SS-37

UNDIVIDED COASTAL PLAIN: Gray-brown, loose, silty fine SAND, moist

UNDIVIDED COASTAL PLAIN: Gray to yellow-gray, medium stiff to stiff, fine sandy slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Yellow-gray, loose, clayey fine SAND, wet

6
4
10
14
5

01/18

532+00.00

SS-42

UNDIVIDED COASTAL PLAIN: Brown, loose, clayey fine SAND, moist

UNDIVIDED COASTAL PLAIN: Yellow-gray to gray, medium stiff to stiff, fine sandy moderately plastic CLAY, moist to wet

4
5
11
14
8

01/18

530+00.00

10/4/2018
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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 332 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70
60
50
40

SS-31

UNDIVIDED COASTAL PLAIN: Brown, loose, silty clayey SAND, moist
UNDIVIDED COASTAL PLAIN: Brown-gray, stiff, fine sandy CLAY, moist
UNDIVIDED COASTAL PLAIN: Gray-brown, medium dense, clayey fine SAND, moist
UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff, fine sandy CLAY, moist

5
9
9
13
6

01/18

536+00.00

80
70
60
50
40

Ⓐ ROADWAY EMBANKMENT: Brown, silty SAND, trace organics, moist

Ⓐ

UNDIVIDED COASTAL PLAIN: Brown, silty CLAY, moist

DRY
1/18

534+00.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 333 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50 40 30

UNDIVIDED COASTAL PLAIN: Tan to yellow-brown, loose to medium dense, silty fine SAND, dry to moist

UNDIVIDED COASTAL PLAIN: Yellow-brown to yellow-gray, medium stiff to stiff, fine sandy CLAY, moist

DRY
1/18

**540+00.00**

80 70 60 50 40 30

SS-2

(5) (6) (6) (9)

UNDIVIDED COASTAL PLAIN: Tan to Yellow-brown to orange-gray, loose, silty fine SAND; dry to moist

UNDIVIDED COASTAL PLAIN: Brown-gray, stiff, fine sandy SILT; moist

(9)

01/18

UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff to stiff, silty CLAY, moist

(4)

UNDIVIDED COASTAL PLAIN: Orange-brown, medium dense, silty fine SAND, wet

(24)

**538+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 334 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50 40 30

SS-16

UNDIVIDED COASTAL PLAIN: Brown, loose, clayey fine SAND, moist

UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff to stiff, fine sandy slightly plastic CLAY, moist

UNDIVIDED COASTAL PLAIN: Gray to yellow-brown to blue-gray, very loose to loose, clayey fine SAND, wet

4 7 10 6 3 8

01/18

**544+00.00**

80 70 60 50 40 30 20

SS-8
SS-11

UNDIVIDED COASTAL PLAIN: Brown, medium stiff, clayey fine to coarse sandy SILT, wet

UNDIVIDED COASTAL PLAIN: Gray, loose, clayey fine SAND, moist

UNDIVIDED COASTAL PLAIN: Gray to brown, medium stiff to stiff, fine to coarse sandy highly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Blue-gray, loose, clayey fine SAND, wet

5 6 9 11 4 4 4

01/18

**542+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 335 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50 40 30

SS-22

UNDIVIDED COASTAL PLAIN: Gray-brown to yellow-brown, loose to medium dense, silty fine SAND, moist to wet

5 8 15 15 19

01/18

548+00.00

S-112

Ⓐ UNDIVIDED COASTAL PLAIN: Brown, soft to medium stiff, sandy SILT, moist

Ⓐ

02/18 UNDIVIDED COASTAL PLAIN: Light brown-orange, loose to medium dense, clayey fine to coarse SAND, wet

546+00.00

10/4/2018
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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 336 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50 40 30

(A) UNDIVIDED COASTAL PLAIN: Brown, loose to medium dense, silty fine to coarse SAND, moist

(A)

UNDIVIDED COASTAL PLAIN: Light gray-brown, soft to medium stiff, sandy clayey SILT, wet to saturated

01/18

UNDIVIDED COASTAL PLAIN: Light brown, medium stiff to stiff, silty moderately plastic CLAY, saturated

552+00.00

SS-26
SS-27
SS-28
SS-30

UNDIVIDED COASTAL PLAIN: Brown, loose, silty fine SAND, moist — 4

UNDIVIDED COASTAL PLAIN: Gray, medium stiff, fine sandy slighty plastic CLAY, moist — 7

UNDIVIDED COASTAL PLAIN: Gray, loose to medium dense, clayey fine SAND, moist to wet — 10

5

01/18

UNDIVIDED COASTAL PLAIN: Yellow, soft, fine sandy clayey SILT, wet — 2

550+00.00

10/4/2018
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abazrgi

6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 337 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30 20

Pavement

SS-580

14
7
5
4
8

02/18

FIAD

UNDIVIDED COASTAL PLAIN: Brown-orange, loose to medium dense, silty clayey fine SAND, moist to saturated

556+00.00

70 60 50 40 30 20

SS-20

6
6
6
6
5

01/18

UNDIVIDED COASTAL PLAIN: Brown-dark to gray to white to light brown, loose, clayey silty fine SAND, moist to saturated

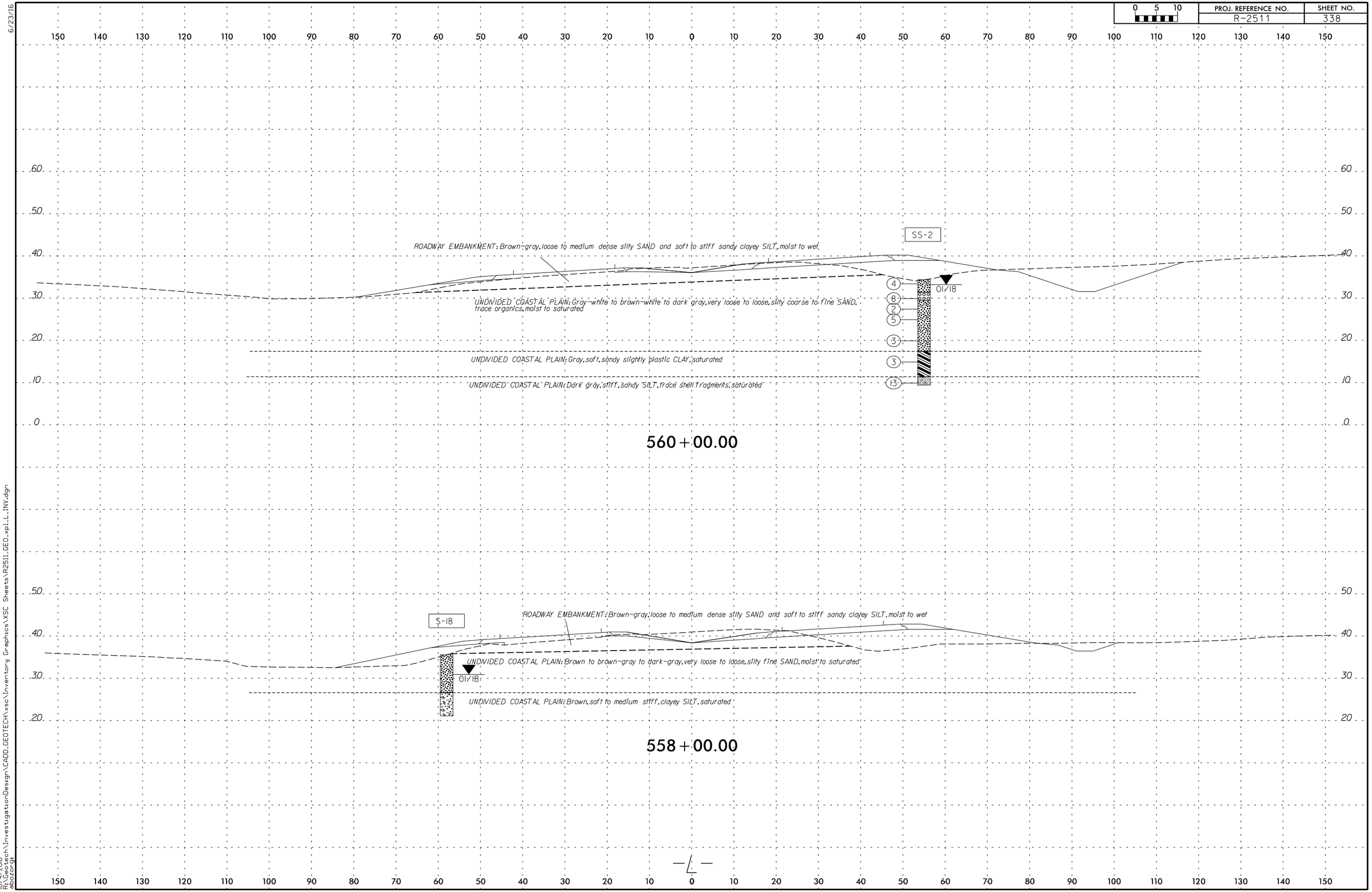
554+00.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 338 |




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abozorg

6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 339 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

40
30
20
10

Ⓐ ROADWAY EMBANKMENT: Brown, loose, silty SAND, moist

A

01/18

UNDIVIDED COASTAL PLAIN: Gray to brown, very loose to loose, silty clayey SAND, saturated

564+00.00

50
40
30
20
10

SS-585

Ⓐ ROADWAY EMBANKMENT: Brown, loose, silty SAND, moist

A

9
5
4
2
2

UNDIVIDED COASTAL PLAIN: Gray, loose, clayey fine to coarse SAND, wet

UNDIVIDED COASTAL PLAIN: Gray-brown, soft to medium stiff, sandy clayey SILT, wet

FIAD
2/18

562+00.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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abozorgi

6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 340 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

40 30 20 10 0

SS-11

Ⓐ ROADWAY EMBANKMENT: Brown-gray, loose, silty clayey SAND, moist

9 Ⓐ 01/18

6 UNDIVIDED COASTAL PLAIN: Brown-gray, soft to medium stiff, sandy SILT, wet to saturated

2

7 UNDIVIDED COASTAL PLAIN: Brown-tan-gray, loose, clayey SAND, saturated

8 UNDIVIDED COASTAL PLAIN: Dark-green, stiff, sandy clayey SILT, saturated

**568+00.00**

40 30 20 10 0

Ⓐ ROADWAY EMBANKMENT: Brown, loose, silty SAND, trace organics, moist

SS-15

Ⓐ

5 01/18

4 UNDIVIDED COASTAL PLAIN: Light gray to dark brown, very loose to loose, silty fine SAND, trace organics

WOH UNDIVIDED COASTAL PLAIN: Dark brown, very soft, silty CLAY, highly organic

1 UNDIVIDED COASTAL PLAIN: Gray, loose, silty clayey SAND, saturated

8

**566+00.00**

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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6/23/16

| 0 2.5 5 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 341 |

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

35
30
25
20

UNDIVIDED COASTAL PLAIN: Dark brown, soft, fine sandy clayey SILT, moist

UNDIVIDED COASTAL PLAIN: Tan-brown, very loose, clayey fine SAND, wet

**11+50.00**

35
30

UNDIVIDED COASTAL PLAIN: Dark brown, soft, fine sandy clayey SILT, moist

25
20

UNDIVIDED COASTAL PLAIN: Tan-brown, very loose, clayey fine SAND, wet

**11+00.00**

35
30
25

ROADWAY EMBANKMENT

UNDIVIDED COASTAL PLAIN: Dark brown, soft, fine sandy clayey SILT, moist

20

UNDIVIDED COASTAL PLAIN: Tan-brown, very loose, clayey fine SAND, wet

15

**10+50.00**

—Y1—

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

10/5/2018
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abcoop

6/23/16

| 0 2.5 5 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 342 |

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

40 35 30 25 20

UNDIVIDED COASTAL PLAIN: Dark brown, soft, fine sandy clayey SILT, moist

UNDIVIDED COASTAL PLAIN: Tan-brown, very loose, clayey fine SAND, wet

**12 + 50.00**

50 45 40 35 30 25 20

S-141

02/18

UNDIVIDED COASTAL PLAIN: Dark brown, soft, fine sandy clayey SILT, moist

UNDIVIDED COASTAL PLAIN: Tan-brown, very loose, clayey fine SAND, wet

**12 + 00.00**

—Y1—

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

10/5/2018
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abcoop

6/23/16

| 0 2.5 5 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 343 |

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

13+61

SS-370

02/18

40
35
30
25
20

UNDIVIDED COASTAL PLAIN: Tan-brown, very loose, silty fine SAND, moist (3)

UNDIVIDED COASTAL PLAIN: Gray-brown, medium stiff, fine sandy slightly plastic CLAY, wet (5)

UNDIVIDED COASTAL PLAIN: Blue-gray, soft, clayey SILT, wet (2)

UNDIVIDED COASTAL PLAIN: Green-gray, very loose, clayey fine SAND, wet (3)

UNDIVIDED COASTAL PLAIN: Green-gray, very soft, sandy silty CLAY, wet (1)

**13+50.00**

(A) UNDIVIDED COASTAL PLAIN: Gray-brown, medium stiff, fine sandy slightly plastic CLAY, wet

40
35
30
25

(A)

UNDIVIDED COASTAL PLAIN: Blue-gray, soft, clayey SILT, wet

UNDIVIDED COASTAL PLAIN: Green-gray, very loose, clayey fine SAND, wet

UNDIVIDED COASTAL PLAIN: Green-gray, very soft, sandy silty CLAY, wet

**13+00.00**

—Y1—

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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6/23/16

| 0 2.5 5 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 344 |

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

60 55 50 45 40 35 30 25

17+30

SS-446

(A) ROADWAY EMBANKMENT: Brown, loose, silty clayey fine SAND, moist

0.5" Asphalt

8 A

2/18

7

4

4

FIAD

UNDIVIDED COASTAL PLAIN: Gray, medium stiff, silty moderately plastic CLAY, wet to saturated

UNDIVIDED COASTAL PLAIN: Gray, loose, silty SAND, saturated

17+50.00

-Y2-

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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6/23/16

| 0 2.5 5 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 345 |

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

55 50 45 40 35

(A) ROADWAY EMBANKMENT: Brown, medium dense, silty SAND, moist

A

UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff to stiff, silty highly plastic CLAY, wet to saturated

**11+50.00**

55 50 45 40 35

(A) ROADWAY EMBANKMENT: Brown, medium dense, silty SAND, moist

A

UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff to stiff, silty highly plastic CLAY, wet to saturated

**11+00.00**

50 45 40 35

UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff to stiff, silty highly plastic CLAY, wet to saturated

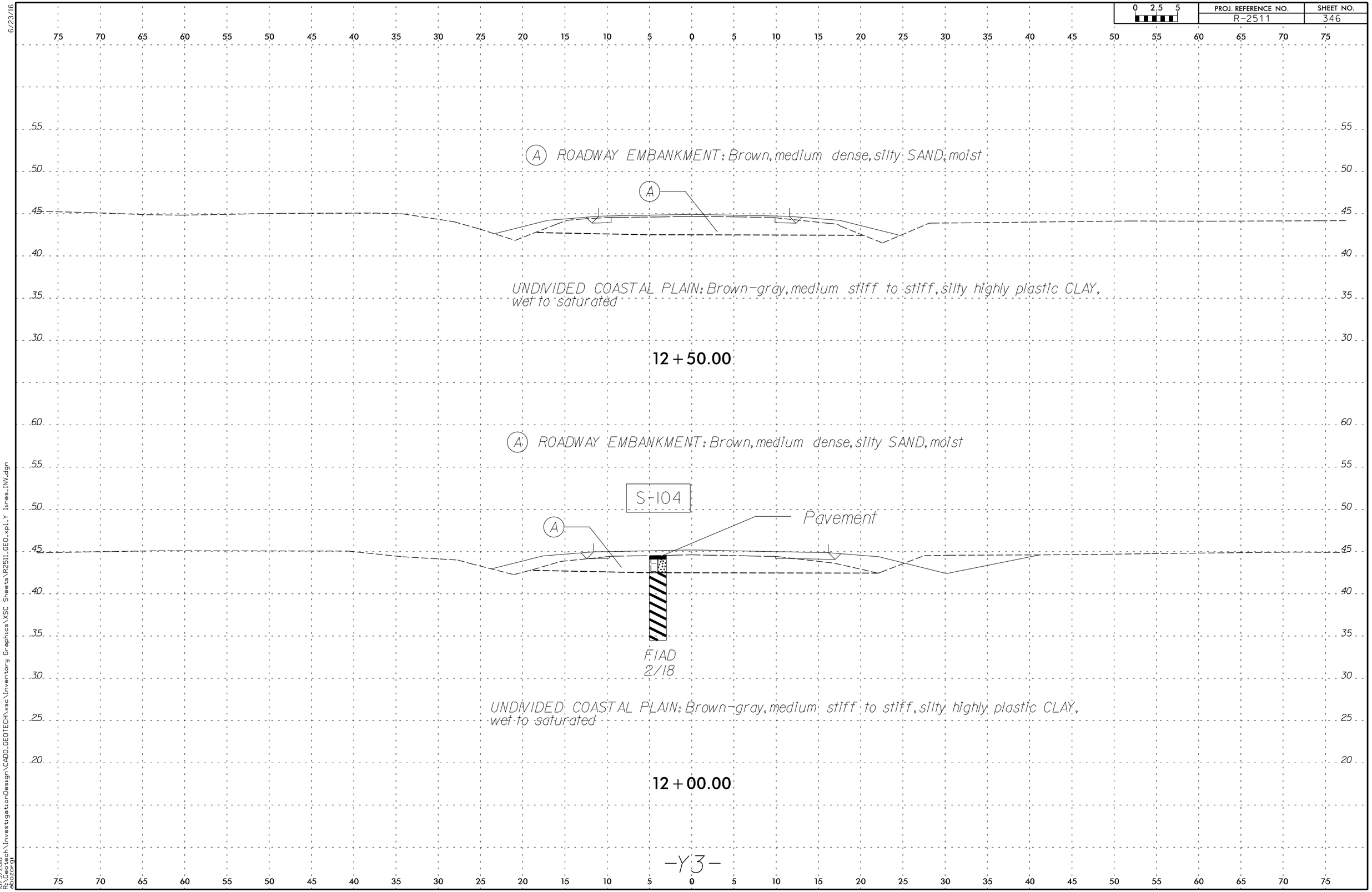
**10+50.00**

-Y3-

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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| 0 2.5 5 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 346 |




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abazrgi

6/23/16

| 0 2.5 5 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 347 |

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

50 45 40 35 30 25

(A) UNDIVIDED COASTAL PLAIN: Brown, soft, clayey fine sandy SILT, wet

(A)

UNDIVIDED COASTAL PLAIN: Brown to brown-gray, soft to medium stiff, silty CLAY, wet

**18+00.00**

(A) UNDIVIDED COASTAL PLAIN: Brown, soft, clayey fine sandy SILT, wet

(A)

UNDIVIDED COASTAL PLAIN: Brown to brown-gray, soft to medium stiff, silty CLAY, wet

**17+50.00**

(A) UNDIVIDED COASTAL PLAIN: Brown, soft, clayey fine sandy SILT, wet

(A)

UNDIVIDED COASTAL PLAIN: Brown to brown-gray, soft to medium stiff, silty CLAY, wet

**17+00.00**

-Y4-

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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6/23/16

| 0 2.5 5 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 348 |

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

50 45 40 35 30 25 20

A UNDIVIDED COASTAL PLAIN: Brown, soft, clayey fine sandy SILT, wet

SS-179

2 6 7 3

A

UNDIVIDED COASTAL PLAIN: Brown to brown-gray; soft to medium stiff, silty CLAY, wet

FIAD
2.18

**19+00.00**

A UNDIVIDED COASTAL PLAIN: Brown, soft, clayey fine sandy SILT, wet

A

UNDIVIDED COASTAL PLAIN: Brown to brown-gray; soft to medium stiff; silty CLAY, wet

**18+50.00**

-Y4-

10/5/2018
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ebooth

6/23/16

| 0 2.5 5 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 349 |

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

70 65 60 55 50

(A) UNDIVIDED COASTAL PLAIN: Brown, soft, clayey SILT, wet

(A)

UNDIVIDED COASTAL PLAIN: Gray, medium stiff to stiff, silty CLAY, wet

**12 + 50.00**

70 65 60 55 50

(A) UNDIVIDED COASTAL PLAIN: Brown, soft, clayey SILT, wet

(A)

UNDIVIDED COASTAL PLAIN: Gray, medium stiff to stiff, silty CLAY, wet

**12 + 00.00**

70 65 60 55 50

(A) UNDIVIDED COASTAL PLAIN: Brown, soft, clayey SILT, wet

(A)

UNDIVIDED COASTAL PLAIN: Gray, medium stiff to stiff, silty CLAY, wet

**11 + 50.00**

-Y5-

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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| 0 2.5 5 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 350 |

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

70 65 60 55 50

(A) UNDIVIDED COASTAL PLAIN: Brown, soft, clayey SILT, wet

A

UNDIVIDED COASTAL PLAIN: Gray, medium stiff to stiff, silty CLAY, wet

**13+50.00**

75 70 65 60 55 50 45 40 35 30 25 20 15

13+20

SS-542

(A) UNDIVIDED COASTAL PLAIN: Brown, soft, clayey SILT, wet

2
8
8
4

02/18

A

UNDIVIDED COASTAL PLAIN: Gray, medium stiff to stiff, silty CLAY, wet

**13+00.00**

60 55 50 45 40 35 30 25 20 15

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

-Y5-

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6/23/16

| 0 2.5 5 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 351 |

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

70 65 60 55 50 45

(A) UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff, sandy clayey SILT, moist

(A)

UNDIVIDED COASTAL PLAIN: Red-gray to brown-gray, medium stiff to stiff, sandy CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Gray, medium dense, silty fine SAND, wet

**15+00.00**

(A) UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff, sandy clayey SILT, moist

(A)

UNDIVIDED COASTAL PLAIN: Red-gray to brown-gray, medium stiff to stiff, sandy CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Gray, medium dense, silty fine SAND, wet

**14+50.00**

(A) UNDIVIDED COASTAL PLAIN: Brown, soft, clayey SILT, wet

(A)

UNDIVIDED COASTAL PLAIN: Gray, medium stiff to stiff, silty CLAY, wet

**14+00.00**

-Y5-

10/5/2018
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6/23/16

| 0 2.5 5 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 352 |

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

65 60 55 50 45 40

(A) UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff, sandy clayey SILT, moist

(A)

UNDIVIDED COASTAL PLAIN: Red-gray to brown-gray, medium stiff to stiff, sandy CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Gray, medium dense, silty fine SAND, wet

**16+00.00**

75 70 65 60 55 50 45 40

(A) UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff, sandy clayey SILT, moist

(A)

UNDIVIDED COASTAL PLAIN: Red-gray to brown-gray, medium stiff to stiff, sandy CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Gray, medium dense, silty fine SAND, wet

**15+50.00**

15+73

SS-294

4
6
9
6
15

DRY
1/18

-Y5-

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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6/23/16

| 0 2.5 5 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 353 |

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

70
65
60
55
50
45

(A) UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff, sandy clayey SILT, moist

(A)

UNDIVIDED COASTAL PLAIN: Red-gray to brown-gray, medium stiff to stiff, sandy CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Gray, medium dense, silty fine SAND, wet

**17+50.00**

(A) UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff, sandy clayey SILT, moist

(A)

UNDIVIDED COASTAL PLAIN: Red-gray to brown-gray, medium stiff to stiff, sandy CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Gray, medium dense, silty fine SAND, wet

**17+00.00**

(A) UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff, sandy clayey SILT, moist

(A)

UNDIVIDED COASTAL PLAIN: Red-gray to brown-gray, medium stiff to stiff, sandy CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Gray, medium dense, silty fine SAND, wet

**16+50.00**

-Y5-

10/5/2018
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6/23/16

| 0 2.5 5 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 354 |

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

70
65
60
55
50
45

(A) UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff, sandy clayey SILT, moist

(A)

UNDIVIDED COASTAL PLAIN: Red-gray to brown-gray, medium stiff to stiff, sandy CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Gray, medium dense, silty fine SAND, wet

**18+50.00**

70
65
60
55
50
45

(A) UNDIVIDED COASTAL PLAIN: Brown-gray, medium stiff, sandy clayey SILT, moist

(A)

UNDIVIDED COASTAL PLAIN: Red-gray to brown-gray, medium stiff to stiff, sandy CLAY, moist to wet

UNDIVIDED COASTAL PLAIN: Gray, medium dense, silty fine SAND, wet

**18+00.00**

-Y5-

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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| 0 2.5 5 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 355 |

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

60 55 50 45 40

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, silty moderately plastic CLAY, wet

**18+50.00**

60 55 50 45 40

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, silty moderately plastic CLAY, wet

**18+00.00**

60 55 50 45 40

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, silty moderately plastic CLAY, wet

**17+50.00**

-Y6-

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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10/8/2018
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6/23/16

| 0 2.5 5 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 356 |

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

60 55 50 45 40 35

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, silty moderately plastic CLAY, wet

**20+00.00**

60 55 50 45 40

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, silty moderately plastic CLAY, wet

**19+50.00**

60 55 50 45 40

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, silty moderately plastic CLAY, wet

**19+00.00**

-Y6-

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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6/23/16

| 0 2.5 5 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 357 |

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

60 55 50 45 40

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, silty moderately plastic CLAY, wet

**22+00.00**

65 60 55 50 45 40 35 30 25 20 15 10

20+55

S-25

01/18

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, silty moderately plastic CLAY, wet

**20+50.00**

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

-Y6-

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6/23/16

| 0 2.5 5 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 358 |

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

60 55 50 45 40

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, silty moderately plastic CLAY, wet

**23+50.00**

60 55 50 45

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, silty moderately plastic CLAY, wet

**23+00.00**

60 55 50 45 40

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, silty moderately plastic CLAY, wet

**22+50.00**

-Y6-

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

10/5/2018
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abcogi

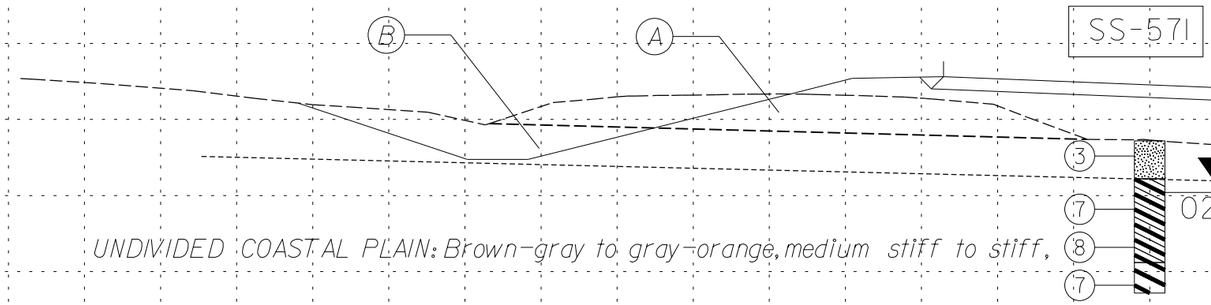
6/23/16

| 0 2.5 5 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 359 |

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

(A) ROADWAY EMBANKMENT: Brown-gray, loose to medium dense silty SAND and soft to stiff sandy clayey SILT, moist to wet

(B) UNDIVIDED COASTAL PLAIN: Brown, soft, sandy SILT, moist




UNDIVIDED COASTAL PLAIN: Brown-gray to gray-orange, medium stiff to stiff, silty sandy moderately plastic CLAY, wet

19+00.00

75 70 65 60 55 50 45 40 35 30 25 20 15 10

-Y7-

10/8/2018
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dbooth

6/23/16

| 0 2.5 5 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 360 |

65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85

75 70 65 60 55 50 45 40 35 30 25 20 15 10

ROADWAY EMBANKMENT: Brown, stiff, sandy silty slightly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Brown, very loose, silty fine SAND, moist

UNDIVIDED COASTAL PLAIN: Brown, soft, fine sandy slightly plastic CLAY, wet

UNDIVIDED COASTAL PLAIN: Brown-gray, loose to medium dense, clayey fine SAND, wet

11+02

SS-57

3
2
2
6
13

01/18

11+00.00

-Y8-

10/8/2018
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abcoop

6/23/16

| 0 2.5 5 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 361 |

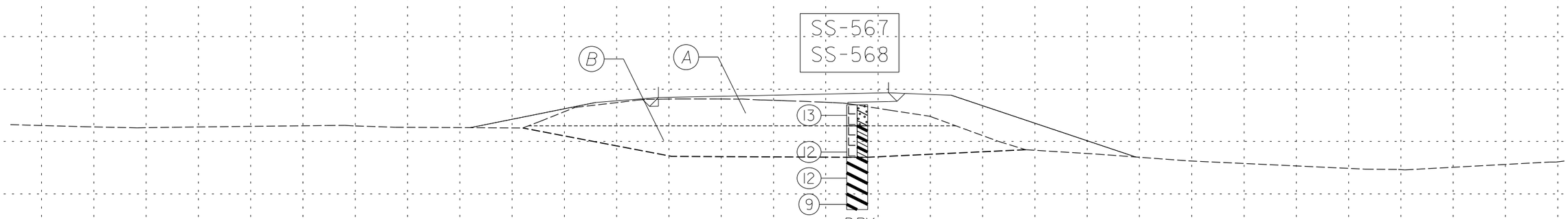
75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

80 75 70 65 60 55 50 45 40 35 30 25 20 15 10

(A) ROADWAY EMBANKMENT: Brown, medium dense, clayey SAND, moist

(B) ROADWAY EMBANKMENT: Brown, stiff, sandy silty slightly plastic CLAY, wet

SS-567
SS-568




DRY
FIAD
2/18

UNDIVIDED COASTAL PLAIN: Brown-gray to orange, stiff, silty highly plastic CLAY, wet

13+00.00

-Y8-

10/5/2018
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atscorg

6/23/16

| 0 2.5 5 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 362 |

14+52

ROADWAY EMBANKMENT: Brown, silty SAND, trace organics, moist

UNDIVIDED COASTAL PLAIN: Brown, medium stiff to stiff, silty CLAY, moist

**14+50.00**

DRY
1/18

-Y10-

10/5/2018
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abozorgi

6/23/16

| 0 2.5 5 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2511 | 363 |

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

60 55 50 45 40 35 30 25 20 15 10 5 0

12+66

SS-20

6
6
6
5

01/18

UNDIVIDED COASTAL PLAIN: Brown-dark gray to white to light brown, loose, clayey silty fine SAND, moist to saturated

12+50.00

—Y:// —

10/5/2018
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dbooth

***SOIL TEST RESULTS***

| *SAMPLE NO.* | *OFFSET* | *STATION* | *LINE* | *DEPTH INTERVAL* | *AASHTO CLASS.* | *L.L.* | *P.I.* | *% BY WEIGHT* | | | | *% PASSING SIEVE* | | | *% MOISTURE* | *% ORGANIC* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | *C. SAND* | *F. SAND* | *SILT* | *CLAY* | *10* | *40* | *200* | | |
| SS-380 | 56 RT | 8+00 | -L- | 3.5-5.0 | A-6 (3) | 29 | 11 | 5 | 51 | 22 | 22 | 100 | 99 | 56.2 | 24.3 | - |
| SS-374 | 58 LT | 10+00 | -L- | 0.0-1.5 | A-6 (8) | 40 | 19 | 0 | 61 | 9 | 30 | 100 | 100 | 55.9 | 26.7 | - |
| S-132 | 57 RT | 12+00 | -L- | 0.0-1.5 | A-6 (3) | 27 | 11 | 13 | 45 | 20 | 22 | 98 | 93 | 52.9 | 17.3 | - |
| SS-370 | 60 LT | 14+00 | -L- | 3.5-5.0 | A-6 (5) | 34 | 14 | 0 | 66 | 12 | 22 | 100 | 100 | 53.1 | 30 | - |
| SS-390 | 56 RT | 20+00 | -L- | 3.5-5.0 | A-4 (0) | 23 | 1 | 0 | 75 | 9 | 16 | 100 | 100 | 36.9 | 22 | - |
| S-137 | 12 RT | 24+00 | -L- | 1.0-2.0 | A-4 (1) | 25 | 9 | 5 | 57 | 13 | 25 | 98 | 95 | 45.7 | ND | - |
| SS-360 | 35 LT | 25+85 | -L- | 3.5-5.0 | A-6 (7) | 40 | 22 | 1 | 55 | 12 | 32 | 100 | 100 | 50.9 | ND | - |
| SS-395 | 50 RT | 28+00 | -L- | 3.5-5.0 | A-6 (4) | 40 | 21 | 0 | I | 6 | 27 | 100 | 100 | 39.7 | 27.1 | - |
| SS-400 | 56 RT | 31+76 | -L- | 3.5-5.0 | A-7-6 (23) | 51 | 32 | 0 | 36 | 21 | 43 | 100 | 100 | 73.4 | ND | - |
| SS-349 | 35 LT | 34+00 | -L- | 0.0-1.5 | A-6 (8) | 30 | 15 | 0 | 44 | 28 | 28 | 100 | 100 | 69.7 | 18.2 | - |
| S-143 | 51 RT | 35+85 | -L- | 1.0-2.0 | A-4 (3) | 24 | 9 | 3 | 49 | 23 | 25 | 100 | 99 | 60.7 | 18.2 | - |
| SS-354 | 77 LT | 38+00 | -L- | 0.0-1.5 | A-6 (7) | 30 | 13 | 1 | 47 | 21 | 31 | 100 | 100 | 70.3 | 21 | - |
| SS-405 | 67 RT | 40+00 | -L- | 3.5-5.0 | A-7-6 (18) | 41 | 25 | 0 | 44 | 20 | 36 | 100 | 100 | 76 | 28.4 | - |
| S-118 | 36 LT | 42+00 | -L- | 0.0-1.0 | A-4 (3) | 23 | 8 | 0 | 39 | 35 | 26 | 100 | 100 | 74.4 | 17.6 | - |
| S-119 | 36 LT | 42+00 | -L- | 3.0-4.0 | A-7-6 (18) | 41 | 25 | 0 | 36 | 28 | 36 | 100 | 100 | 77.8 | 23 | - |
| SS-409 | 30 RT | 44+00 | -L- | 0.0-1.5 | A-6 (12) | 33 | 17 | 1 | 30 | 31 | 38 | 100 | 100 | 80 | ND | - |
| SS-410 | 30 RT | 44+00 | -L- | 3.5-5.0 | A-6 (14) | 37 | 20 | 0 | 37 | 27 | 36 | 100 | 100 | 76.5 | 24.3 | - |
| SS-344 | 32 LT | 46+00 | -L- | 0.0-1.5 | A-6 (9) | 30 | 15 | 2 | 37 | 26 | 35 | 100 | 100 | 74.7 | 20.7 | - |
| S-90 | 34 RT | 48+00 | -L- | 1.0-3.0 | A-7-6 (18) | 46 | 27 | 2 | 35 | 20 | 43 | 100 | 100 | 71.3 | 27.5 | - |
| SS-415 | 9 LT | 50+00 | -L- | 3.5-5.0 | A-7-6 (20) | 50 | 32 | 1 | 44 | 16 | 39 | 100 | 100 | 69 | ND | - |
| SS-441 | 28 RT | 52+00 | -L- | 3.5-5.0 | A-4 (1) | 27 | 9 | 3 | 63 | 11 | 23 | 100 | 99 | 44.5 | 19.7 | - |
| SS-246 | 18 LT | 54+50 | -L- | 3.5-5.0 | A-4 (2) | 23 | 6 | 2 | 36 | 38 | 24 | 100 | 99 | 71.6 | 29.3 | - |
| ST-1 | 18 LT | 54+50 | -L- | 8.0-8.9 | A-6 (14) | 36 | 17 | 0 | 26 | 30 | 44 | 100 | 100 | 86.2 | 21.9 | - |
| SS-419 | 46 RT | 56+00 | -L- | 0.0-1.5 | A-4 (6) | 26 | 8 | 1 | 16 | 51 | 32 | 100 | 100 | 93 | ND | - |
| SS-425 | 16 LT | 58+00 | -L- | 0.0-1.5 | A-4 (0) | 21 | 3 | 0 | 43 | 37 | 20 | 100 | 100 | 80.5 | 20.9 | - |
| SS-426 | 16 LT | 58+00 | -L- | 3.5-5.0 | A-6 (9) | 34 | 18 | 0 | 54 | 15 | 31 | 100 | 100 | 65.5 | ND | - |
| S-148 | 33 RT | 60+00 | -L- | 0.0-1.0 | A-6 (11) | 32 | 13 | 1 | 29 | 37 | 33 | 100 | 99 | 89.9 | ND | - |
| SS-436 | 57 LT | 62+00 | -L- | 3.5-5.0 | A-7-6 (25) | 46 | 28 | 0 | 30 | 21 | 49 | 100 | 100 | 88.4 | 26.7 | - |
| SS-205 | 30 RT | 64+00 | -L- | 0.0-1.5 | A-7-6 (39) | 55 | 37 | 0 | 11 | 32 | 57 | 100 | 100 | 95.9 | ND | - |
| S-88 | 52 LT | 66+00 | -L- | 1.0-3.0 | A-7-6 (24) | 47 | 30 | 0 | 29 | 20 | 51 | 100 | 100 | 81.7 | 26.8 | - |
| SS-210 | 80 RT | 69+00 | -L- | 0.0-1.5 | A-4 (5) | 31 | 9 | 5 | 41 | 31 | 23 | 100 | 97 | 67.5 | 36.4 | - |
| SS-415 | 60 LT | 69+53 | -L- | 4.2-5.7 | A-4 (0) | 20 | 1 | 7 | 62 | 19 | 12 | 100 | 98 | 46.5 | 23.4 | - |
| S-157 | 41 RT | 72+00 | -L- | 3.0-4.0 | A-6 (8) | 38 | 21 | 1 | 55 | 10 | 34 | 100 | 100 | 54.4 | 24.9 | - |
| SS-430 | 31 LT | 74+00 | -L- | 0.0-1.5 | A-6 (7) | 30 | 14 | 2 | 48 | 18 | 32 | 100 | 99 | 68.5 | 22.7 | - |
| SS-217 | 43 RT | 76+00 | -L- | 0.0-1.5 | A-6 (13) | 38 | 20 | 1 | 41 | 21 | 37 | 100 | 100 | 72 | 27.1 | - |
| S-86 | 33 LT | 78+00 | -L- | 1.0-3.0 | A-7-6 (17) | 48 | 28 | 0 | 46 | 9 | 45 | 100 | 100 | 67.3 | 29.3 | - |
| SS-222 | 65 RT | 80+00 | -L- | 0.0-1.5 | A-4 (2) | 22 | 6 | 2 | 40 | 35 | 23 | 100 | 99 | 71.5 | 20.1 | - |
| SS-425 | 32 LT | 82+00 | -L- | 0.0-1.5 | A-4 (2) | 24 | 8 | 6 | 46 | 27 | 21 | 100 | 98 | 61.2 | 18.2 | - |
| S-83 | CL | 84+00 | -L- | 1.0-3.0 | A-6 (8) | 35 | 18 | 7 | 47 | 17 | 29 | 100 | 98 | 58.2 | 27.1 | - |

***SOIL TEST RESULTS***

| *SAMPLE NO.* | *OFFSET* | *STATION* | *LINE* | *DEPTH INTERVAL* | *AASHTO CLASS.* | *L.L.* | *P.I.* | *% BY WEIGHT* | | | | *% PASSING SIEVE* | | | *% MOISTURE* | *% ORGANIC* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | *C. SAND* | *F. SAND* | *SILT* | *CLAY* | *10* | *40* | *200* | | |
| S-84 | CL | 84+00 | -L- | 4.0-6.0 | A-2-4 (0) | 26 | 7 | 7 | 71 | 3 | 19 | 100 | 98 | 27.4 | - | - |
| SS-409 | 33 LT | 86+00 | -L- | 0.0-1.5 | A-6 (6) | 29 | 13 | 7 | 44 | 24 | 25 | 100 | 98 | 64.5 | ND | - |
| SS-404 | CL | 88+00 | -L- | 0.0-1.5 | A-6 (6) | 28 | 12 | 7 | 39 | 28 | 26 | 100 | 98 | 72 | ND | - |
| S-81 | 31 LT | 90+00 | -L- | 1.0-3.0 | A-7-6 (22) | 48 | 30 | 3 | 34 | 20 | 43 | 100 | 99 | 76.3 | ND | - |
| SS-399 | 7 RT | 92+00 | -L- | 0.0-1.5 | A-6 (12) | 34 | 17 | 1 | 36 | 28 | 35 | 100 | 100 | 78.7 | ND | - |
| SS-395 | 31 LT | 94+00 | -L- | 3.5-5.0 | A-6 (5) | 33 | 17 | 4 | 57 | 12 | 27 | 100 | 98 | 49.2 | ND | - |
| S-79 | 12 RT | 96+00 | -L- | 1.0-3.0 | A-6 (11) | 38 | 21 | 7 | 39 | 21 | 33 | 100 | 98 | 65.6 | ND | - |
| SS-389 | 30 LT | 98+00 | -L- | 0.0-1.5 | A-4 (5) | 27 | 10 | 6 | 35 | 32 | 27 | 100 | 99 | 70.8 | 11.1 | - |
| SS-533 | 50 RT | 100+00 | -L- | 3.5-5.0 | A-6 (12) | 36 | 22 | 5 | 40 | 20 | 35 | 98 | 96 | 68.4 | ND | - |
| S-76 | 36 LT | 102+00 | -L- | 1.0-3.0 | A-4 (1) | 23 | 7 | 10 | 42 | 29 | 19 | 100 | 99 | 59 | 25.9 | - |
| SS-449 | 45 RT | 104+00 | -L- | 0.7-2.2 | A-4 (0) | 19 | 5 | 6 | 48 | 25 | 21 | 100 | 99 | 62.4 | ND | - |
| SS-384 | 34 LT | 106+00 | -L- | 0.0-1.5 | A-4 (0) | 20 | 5 | 11 | 51 | 21 | 17 | 100 | 98 | 49.2 | 16.6 | - |
| S-92 | 64 RT | 108+00 | -L- | 1.0-3.0 | A-6 (5) | 29 | 13 | 10 | 39 | 21 | 30 | 100 | 99 | 58.7 | 17.5 | - |
| S-93 | 64 RT | 108+00 | -L- | 4.0-6.0 | A-6 (8) | 36 | 21 | 9 | 44 | 17 | 30 | 100 | 99 | 55.7 | 23.7 | - |
| SS-380 | 18 RT | 110+00 | -L- | 3.5-5.0 | A-6 (8) | 39 | 23 | 8 | 47 | 12 | 33 | 100 | 99 | 50.9 | 24.1 | - |
| SS-454 | 42 RT | 112+00 | -L- | 0.6-2.1 | A-4 (0) | 18 | 4 | 11 | 42 | 28 | 19 | 94 | 92 | 50 | ND | - |
| S-73 | 35 LT | 114+00 | -L- | 1.0-3.0 | A-7-6 (14) | 41 | 23 | 8 | 27 | 27 | 38 | 100 | 99 | 70.5 | 23.3 | - |
| SS-374 | 57 RT | 116+00 | -L- | 0.0-1.5 | A-4 (0) | 21 | 5 | 14 | 37 | 25 | 24 | 100 | 97 | 52.6 | ND | - |
| SS-369 | 34 LT | 118+00 | -L- | 0.0-1.5 | A-4 (1) | 21 | 7 | 10 | 36 | 33 | 21 | 100 | 99 | 57.6 | 19 | - |
| S-96 | 59 RT | 120+00 | -L- | 5.0-7.0 | A-7-6 (16) | 43 | 26 | 14 | 22 | 24 | 40 | 100 | 97 | 68.5 | ND | - |
| SS-365 | 38 LT | 122+00 | -L- | 3.5-5.0 | A-6 (8) | 37 | 21 | 21 | 29 | 16 | 34 | 100 | 97 | 54.4 | 21.3 | - |
| SS-460 | 58 RT | 124+00 | -L- | 3.5-5.0 | A-7-6 (34) | 56 | 36 | 4 | 11 | 28 | 57 | 99 | 98 | 87.7 | 35.1 | - |
| S-70 | 35 LT | 125+35 | -L- | 1.0-3.0 | A-6 (4) | 29 | 14 | 14 | 39 | 17 | 30 | 100 | 95 | 52.4 | ND | - |
| SS-464 | 45 RT | 128+00 | -L- | 0.6-2.1 | A-4 (4) | 25 | 9 | 8 | 31 | 33 | 28 | 100 | 98 | 69 | 22.5 | - |
| SS-359 | 28 LT | 130+00 | -L- | 0.0-1.5 | A-4 (6) | 39 | 6 | 4 | 24 | 47 | 25 | 100 | 98 | 77.7 | ND | - |
| SS-360 | 28 LT | 130+00 | -L- | 3.5-5.0 | A-7-6 (13) | 45 | 26 | 5 | 41 | 6 | 48 | 100 | 98 | 60 | 22.7 | - |
| S-102 | 45 RT | 132+00 | -L- | 3.0-5.0 | A-6 (14) | 36 | 22 | 3 | 32 | 25 | 40 | 99 | 97 | 73 | 23.1 | - |
| SS-354 | 30 LT | 134+00 | -L- | 0.0-1.5 | A-6 (6) | 28 | 11 | 2 | 32 | 33 | 33 | 100 | 100 | 73 | 24.8 | - |
| SS-528 | 30 RT | 136+00 | -L- | 3.5-5.0 | A-4 (0) | 19 | 1 | 3 | 67 | 19 | 11 | 100 | 99 | 44.7 | 17.6 | - |
| S-67 | 30 LT | 138+00 | -L- | 1.0-3.0 | A-6 (13) | 39 | 21 | 0 | 37 | 30 | 33 | 100 | 100 | 69.1 | 25.3 | - |
| SS-350 | 12 RT | 140+00 | -L- | 3.5-5.0 | A-6 (7) | 39 | 21 | 6 | 49 | 11 | 34 | 100 | 98 | 51.3 | 26 | - |
| SS-344 | 36 LT | 142+00 | -L- | 0.0-1.5 | A-4 (1) | 22 | 4 | 2 | 33 | 44 | 21 | 100 | 99 | 73.7 | ND | - |
| S-64 | 11 RT | 144+00 | -L- | 1.0-3.0 | A-6 (8) | 28 | 14 | 6 | 30 | 36 | 28 | 100 | 98 | 72.7 | ND | - |
| SS-339 | 30 LT | 146+00 | -L- | 0.0-1.5 | A-6 (7) | 30 | 12 | 4 | 33 | 35 | 28 | 100 | 99 | 72.2 | 22 | - |
| SS-335 | 13 RT | 148+00 | -L- | 3.0-5.0 | A-4 (1) | 23 | 7 | 12 | 50 | 21 | 17 | 100 | 97 | 48.1 | ND | - |
| S-61 | 30 LT | 150+00 | -L- | 1.0-3.0 | A-6 (2) | 30 | 13 | 8 | 59 | 10 | 23 | 100 | 98 | 40.5 | 23.3 | - |
| SS-329 | 18 LT | 152+00 | -L- | 0.0-1.5 | A-4 (2) | 24 | 6 | 4 | 36 | 38 | 22 | 100 | 99 | 70.3 | 20.8 | - |
| SS-491 | 12 RT | 154+00 | -L- | 3.5-5.0 | A-7-6 (12) | 42 | 16 | 3 | 24 | 27 | 46 | 88 | 86 | 73.3 | 22.2 | - |
| ST-2A/2B | 52 LT | 156+79 | -L- | 10.4 - 10.8 | A-7-6 (53) | 71 | 47 | 1 | 4 | 28 | 68 | 100 | 100 | 98 | 90 | - |
| SS-175 | 27 LT | 158+00 | -L- | 3.5-5.0 | A-7-6 (37) | 55 | 37 | 0 | 16 | 30 | 54 | 100 | 100 | 93.5 | ND | - |

***SOIL TEST RESULTS***

| *SAMPLE NO.* | *OFFSET* | *STATION* | *LINE* | *DEPTH INTERVAL* | *AASHTO CLASS.* | *L.L.* | *P.I.* | *% BY WEIGHT* | | | | *% PASSING SIEVE* | | | *% MOISTURE* | *% ORGANIC* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | *C. SAND* | *F. SAND* | *SILT* | *CLAY* | *10* | *40* | *200* | | |
| SS-227 | 46 RT | 158+80 | -L- | 0.0-1.5 | A-6 (5) | 29 | 13 | 12 | 36 | 27 | 25 | 99 | 93 | 58.5 | 20.1 | - |
| SS-228 | 46 RT | 158+80 | -L- | 3.5-5.0 | A-6 (13) | 32 | 16 | 1 | 20 | 46 | 33 | 100 | 100 | 87.2 | 24.2 | - |
| ST-2 | 46 RT | 158+80 | -L- | 5.5-7.5 | A-7-6 (32) | 53 | 34 | 1 | 18 | 25 | 56 | 100 | 100 | 88.5 | 35.1 | - |
| SS-339 | 42 RT | 160+00 | -L- | 0.0-1.5 | A-4 (4) | 25 | 7 | 2 | 25 | 46 | 27 | 100 | 99 | 84.9 | ND | - |
| S-152 | 60 LT | 162+00 | -L- | 1.0-2.0 | A-4 (4) | 24 | 8 | 4 | 30 | 41 | 25 | 99 | 97 | 76.1 | 18.1 | - |
| SS-334 | 33 RT | 164+00 | -L- | 0.0-1.5 | A-6 (14) | 35 | 17 | 2 | 20 | 40 | 38 | 100 | 99 | 87.4 | ND | - |
| SS-325 | 109 LT | 166+00 | -L- | 3.5-5.0 | A-7-6 (26) | 45 | 30 | 0 | 25 | 33 | 42 | 100 | 100 | 87.2 | 24.6 | - |
| S-113 | 35 RT | 168+00 | -L- | 0.0-1.0 | A-6 (12) | 32 | 13 | 1 | 14 | 50 | 35 | 100 | 100 | 92.4 | 27 | - |
| SS-319 | 115 LT | 170+00 | -L- | 0.0-1.5 | A-4 (1) | 22 | 6 | 2 | 44 | 31 | 23 | 100 | 99 | 65.4 | 26 | - |
| SS-329 | 35 RT | 172+00 | -L- | 0.0-1.5 | A-6 (8) | 31 | 11 | 1 | 25 | 45 | 29 | 100 | 100 | 83.9 | 14.4 | - |
| S-98 | 58 LT | 174+00 | -L- | 1.0-3.0 | A-6 (16) | 38 | 23 | 2 | 36 | 25 | 37 | 100 | 100 | 76.9 | 25.7 | - |
| SS-319 | 35 RT | 176+00 | -L- | 0.0-1.5 | A-4 (3) | 24 | 6 | 1 | 38 | 39 | 22 | 100 | 100 | 78.5 | ND | - |
| SS-315 | 58 LT | 178+00 | -L- | 3.5-5.0 | A-7-6 (23) | 47 | 29 | 1 | 30 | 28 | 41 | 100 | 100 | 80.5 | 26.2 | - |
| S-104 | 43 RT | 180+00 | -L- | 3.0-4.0 | A-4 (4) | 25 | 7 | 2 | 31 | 40 | 27 | 100 | 100 | 78.3 | 21.8 | - |
| SS-309 | 64 LT | 182+00 | -L- | 0.0-1.5 | A-6 (5) | 27 | 11 | 6 | 37 | 27 | 30 | 99 | 96 | 65.2 | 22.1 | - |
| SS-314 | 35 RT | 184+00 | -L- | 0.0-1.5 | A-4 (1) | 22 | 4 | 4 | 38 | 40 | 18 | 100 | 99 | 69.1 | 21.5 | - |
| S-109 | 23 LT | 186+00 | -L- | 3.0-4.0 | A-6 (9) | 32 | 12 | 2 | 19 | 41 | 38 | 100 | 100 | 85.5 | 26.4 | - |
| SS-309 | 52 RT | 188+00 | -L- | 0.0-1.5 | A-6 (10) | 35 | 12 | 1 | 19 | 43 | 37 | 100 | 100 | 84.4 | ND | - |
| SS-310 | 52 RT | 188+00 | -L- | 3.5-5.0 | A-6 (8) | 30 | 15 | 1 | 34 | 32 | 33 | 100 | 100 | 71.7 | 22.3 | - |
| SS-324 | 14 LT | 190+00 | -L- | 0.0-1.5 | A-4 (7) | 31 | 9 | 2 | 16 | 57 | 25 | 100 | 99 | 85.2 | ND | - |
| S-99 | 47 RT | 192+00 | -L- | 3.0-4.0 | A-4 (1) | 26 | 8 | 2 | 62 | 13 | 23 | 100 | 99 | 45.1 | 22.9 | - |
| SS-537 | 22 LT | 194+00 | -L- | 1.0-2.5 | A-4 (0) | 20 | 1 | 4 | 73 | 10 | 13 | 100 | 99 | 37.6 | 23 | - |
| SS-538 | 22 LT | 194+00 | -L- | 3.5-5.0 | A-4 (0) | 18 | 1 | 4 | 74 | 9 | 13 | 100 | 99 | 37.8 | ND | - |
| SS-299 | 35 RT | 196+00 | -L- | 0.0-1.5 | A-6 (5) | 28 | 13 | 4 | 44 | 25 | 27 | 100 | 99 | 59.3 | ND | - |
| S-57 | 60 LT | 198+00 | -L- | 1.0-3.0 | A-7-6 (27) | 50 | 32 | 1 | 20 | 41 | 38 | 100 | 100 | 83.3 | 24.6 | - |
| SS-294 | 40 RT | 200+00 | -L- | 0.0-1.5 | A-4 (0) | 20 | 5 | 3 | 44 | 31 | 22 | 100 | 99 | 62.2 | 16.9 | - |
| SS-289 | 3 RT | 202+00 | -L- | 0.0-1.5 | A-4 (4) | 26 | 8 | 2 | 33 | 41 | 24 | 100 | 100 | 71.5 | 19 | - |
| S-93 | 30 RT | 204+00 | -L- | 0.0-0.5 | A-4 (3) | 23 | 8 | 2 | 34 | 35 | 29 | 100 | 100 | 70.6 | 19.6 | - |
| SS-284 | 5 LT | 206+00 | -L- | 0.0-1.5 | A-4 (2) | 22 | 6 | 4 | 32 | 36 | 28 | 100 | 99 | 69.7 | 23.4 | - |
| SS-279 | 35 RT | 208+00 | -L- | 0.0-1.5 | A-4 (4) | 24 | 10 | 2 | 37 | 35 | 26 | 100 | 100 | 69.6 | 18.9 | - |
| S-55 | 53 LT | 210+00 | -L- | 1.0-3.0 | A-4 (2) | 22 | 7 | 2 | 38 | 27 | 33 | 100 | 99 | 67.8 | 23.1 | - |
| SS-274 | 35 RT | 212+00 | -L- | 0.0-1.5 | A-4 (1) | 21 | 7 | 2 | 47 | 29 | 22 | 100 | 100 | 61.1 | ND | - |
| SS-269 | 38 RT | 214+00 | -L- | 0.0-1.5 | A-4 (1) | 23 | 6 | 3 | 47 | 28 | 22 | 100 | 99 | 59.7 | 21.6 | - |
| S-88 | 35 RT | 216+00 | -L- | 1.0-2.0 | A-6 (5) | 27 | 12 | 3 | 40 | 29 | 28 | 100 | 99 | 65.2 | ND | - |
| SS-304 | 78 LT | 218+00 | -L- | 0.0-1.5 | A-6 (5) | 31 | 11 | 7 | 35 | 30 | 28 | 99 | 96 | 64.4 | ND | - |
| SS-264 | 35 RT | 220+00 | -L- | 0.0-1.5 | A-6 (6) | 28 | 12 | 2 | 38 | 33 | 27 | 100 | 100 | 69.3 | ND | - |
| S-105 | 42 LT | 222+00 | -L- | 1.2-3.2 | A-4 (1) | 21 | 7 | 5 | 49 | 25 | 21 | 99 | 97 | 58.6 | ND | - |
| SS-260 | 35 RT | 224+00 | -L- | 3.5-5.0 | A-6 (5) | 27 | 12 | 2 | 45 | 29 | 24 | 100 | 100 | 61.8 | 28.7 | - |
| SS-304 | 35 RT | 226+00 | -L- | 0.0-1.5 | A-4 (1) | 22 | 6 | 2 | 42 | 35 | 21 | 100 | 100 | 66.1 | 18.1 | - |

***SOIL TEST RESULTS***

| *SAMPLE NO.* | *OFFSET* | *STATION* | *LINE* | *DEPTH INTERVAL* | *AASHTO CLASS.* | *L.L.* | *P.I.* | *% BY WEIGHT* | | | | *% PASSING SIEVE* | | | *% MOISTURE* | *% ORGANIC* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | *C. SAND* | *F. SAND* | *SILT* | *CLAY* | *10* | *40* | *200* | | |
| S-83 | 8 RT | 228+00 | -L- | 0.0-0.5 | A-4 (1) | 29 | 4 | 4 | 45 | 30 | 21 | 100 | 99 | 60.3 | 32.7 | - |
| SS-299 | 60 LT | 230+00 | -L- | 0.0-1.5 | A-4 (3) | 26 | 10 | 10 | 38 | 21 | 31 | 100 | 95 | 58.7 | 22.3 | - |
| SS-300 | 60 LT | 230+00 | -L- | 3.5-5.0 | A-6 (7) | 29 | 16 | 2 | 40 | 23 | 35 | 100 | 100 | 65.6 | 23.3 | - |
| SS-254 | 35 RT | 232+00 | -L- | 0.0-1.5 | A-4 (1) | 28 | 4 | 4 | 41 | 40 | 15 | 100 | 99 | 64.5 | 21.9 | - |
| S-53 | 20 LT | 234+00 | -L- | 1.0-3.0 | A-6 (11) | 33 | 19 | 4 | 33 | 30 | 33 | 100 | 99 | 71.2 | ND | - |
| SS-249 | 62 RT | 236+00 | -L- | 0.0-1.5 | A-6 (12) | 34 | 20 | 3 | 34 | 27 | 36 | 100 | 100 | 72.4 | ND | - |
| SS-294 | 35 LT | 238+00 | -L- | 0.0-1.5 | A-6 (6) | 27 | 12 | 2 | 36 | 31 | 31 | 100 | 100 | 68.9 | ND | - |
| S-51 | 24 LT | 240+00 | -L- | 1.0-3.0 | A-6 (7) | 30 | 16 | 4 | 40 | 21 | 35 | 100 | 99 | 64.3 | 23.8 | - |
| SS-278 | 35 LT | 242+00 | -L- | 0.0-1.5 | A-4 (3) | 24 | 8 | 5 | 38 | 30 | 27 | 100 | 99 | 65.3 | 17.3 | - |
| SS-279 | 35 LT | 242+00 | -L- | 3.5-5.0 | A-7-6 (17) | 45 | 29 | 3 | 38 | 15 | 44 | 100 | 100 | 66.9 | 28.5 | - |
| SS-273 | 29 LT | 244+00 | -L- | 0.0-1.5 | A-4 (4) | 25 | 10 | 5 | 34 | 26 | 35 | 100 | 99 | 68.1 | ND | - |
| S-48 | 27 LT | 246+00 | -L- | 0.0-3.0 | A-6 (12) | 34 | 18 | 4 | 33 | 29 | 34 | 100 | 99 | 78.4 | 21.5 | - |
| SS-269 | 26 LT | 248+00 | -L- | 3.5-5.0 | A-7-6 (27) | 63 | 40 | 2 | 35 | 12 | 51 | 100 | 99 | 69.1 | 28.3 | - |
| SS-263 | 34 LT | 250+00 | -L- | 0.0-1.5 | A-7-6 (15) | 41 | 23 | 4 | 31 | 25 | 40 | 100 | 99 | 71.8 | ND | - |
| S-45 | 29 LT | 252+00 | -L- | 0.0-2.0 | A-6 (9) | 32 | 17 | 5 | 32 | 23 | 40 | 100 | 99 | 69.6 | 20.9 | - |
| SS-258 | 30 LT | 254+00 | -L- | 0.0-1.5 | A-6 (13) | 36 | 21 | 4 | 29 | 31 | 36 | 100 | 99 | 72.4 | 23.8 | - |
| SS-285 | 52 RT | 256+00 | -L- | 3.0-5.0 | A-7-6 (25) | 59 | 40 | 6 | 33 | 17 | 44 | 100 | 99 | 67.2 | 23.4 | - |
| S-108 | 11 LT | 258+00 | -L- | 1.0-3.0 | A-6 (8) | 30 | 16 | 6 | 38 | 21 | 35 | 100 | 99 | 65.7 | ND | - |
| SS-233 | 14 RT | 261+00 | -L- | 0.0-1.5 | A-4 (3) | 25 | 9 | 8 | 37 | 28 | 27 | 100 | 98 | 61.7 | 15.9 | - |
| SS-234 | 14 RT | 261+00 | -L- | 3.5-5.0 | A-7-6 (16) | 46 | 28 | 7 | 34 | 19 | 40 | 100 | 99 | 64.1 | 28.9 | - |
| ST-3 | 14 RT | 261+00 | -L- | 7.9-9.9 | A-6 (4) | 35 | 19 | 13 | 47 | 5 | 35 | 100 | 98 | 43.6 | 23.8 | - |
| SS-289 | 6 LT | 262+00 | -L- | 0.0-1.5 | A-6 (5) | 27 | 14 | 10 | 39 | 21 | 30 | 100 | 97 | 56.8 | ND | - |
| S-261 | 35 RT | 264+00 | -L- | 2.0-4.0 | A-6 (6) | 31 | 17 | 10 | 43 | 19 | 28 | 100 | 97 | 53.3 | 19.3 | - |
| SS-256 | 13 LT | 266+00 | -L- | 0.0-1.5 | A-6 (7) | 30 | 16 | 7 | 35 | 25 | 33 | 100 | 98 | 64.4 | 15.4 | - |
| SS-257 | 13 LT | 266+00 | -L- | 3.5-5.0 | A-6 (4) | 30 | 15 | 12 | 40 | 12 | 36 | 100 | 96 | 51.9 | 31 | - |
| SS-250 | 25 RT | 268+00 | -L- | 0.0-1.5 | A-4 (1) | 23 | 7 | 8 | 48 | 19 | 25 | 99 | 96 | 49.2 | 24 | - |
| SS-251 | 25 RT | 268+00 | -L- | 3.5-5.0 | A-6 (6) | 31 | 16 | 9 | 41 | 15 | 35 | 100 | 97 | 55.8 | 17.7 | - |
| S-42 | 42 LT | 270+00 | -L- | 0.0-2.0 | A-4 (0) | 22 | 6 | 11 | 44 | 16 | 29 | 99 | 96 | 51 | ND | - |
| SS-246 | 32 RT | 272+00 | -L- | 3.5-5.0 | A-6 (9) | 35 | 19 | 10 | 33 | 22 | 35 | 100 | 96 | 61.5 | 19.8 | - |
| SS-253 | 35 LT | 274+00 | -L- | 0.0-1.5 | A-4 (0) | 21 | 3 | 11 | 43 | 28 | 18 | 92 | 88 | 48.7 | ND | - |
| SS-254 | 35 LT | 274+00 | -L- | 3.5-5.0 | A-7-6 (15) | 46 | 29 | 10 | 34 | 15 | 41 | 100 | 97 | 60.9 | 17.4 | - |
| S-242 | 55 RT | 276+00 | -L- | 1.5-3.5 | A-6 (4) | 27 | 13 | 12 | 38 | 19 | 31 | 100 | 95 | 54.5 | 17.3 | - |
| SS-248 | 35 LT | 278+00 | -L- | 0.0-1.5 | A-4 (0) | 16 | 4 | 11 | 43 | 27 | 19 | 100 | 96 | 50.9 | 15.3 | - |
| SS-249 | 35 LT | 278+00 | -L- | 3.5-5.0 | A-6 (3) | 33 | 17 | 13 | 49 | 10 | 28 | 100 | 96 | 42.8 | 18.7 | - |
| SS-238 | 56 RT | 280+00 | -L- | 3.5-5.0 | A-4 (0) | 29 | 7 | 16 | 49 | 17 | 18 | 100 | 93 | 41.6 | 58 | - |
| SS-239 | 60 LT | 281+00 | -L- | 0.0-1.5 | A-5 (7) | 64 | 1 | 9 | 21 | 44 | 26 | 100 | 96 | 72.4 | 85.6 | - |
| SS-240 | 60 LT | 281+00 | -L- | 3.5-5.0 | A-4 (1) | 25 | 9 | 15 | 44 | 15 | 26 | 100 | 96 | 44.9 | 21.8 | - |
| ST-4 | 60 LT | 281+00 | -L- | 13.7-15.7 | A-6 (9) | 34 | 14 | 1 | 42 | 25 | 32 | 100 | 100 | 74.5 | 22.2 | - |
| S-40 | 35 LT | 282+00 | -L- | 0.0-2.0 | A-6 (5) | 29 | 14 | 11 | 38 | 19 | 32 | 100 | 96 | 56.1 | 19.7 | - |

***SOIL TEST RESULTS***

| *SAMPLE NO.* | *OFFSET* | *STATION* | *LINE* | *DEPTH INTERVAL* | *AASHTO CLASS.* | *L.L.* | *P.I.* | *% BY WEIGHT* | | | | *% PASSING SIEVE* | | | *% MOISTURE* | *% ORGANIC* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | *C. SAND* | *F. SAND* | *SILT* | *CLAY* | *10* | *40* | *200* | | |
| SS-546 | 25 RT | 284+00 | -L- | 1.4-2.9 | A-4 (0) | 16 | 4 | 13 | 49 | 18 | 20 | 100 | 96 | 46.7 | ND | - |
| SS-243 | 42 LT | 286+00 | -L- | 0.0-1.5 | A-4 (0) | 19 | 6 | 10 | 43 | 24 | 23 | 94 | 91 | 50.6 | ND | - |
| S-233 | 55 RT | 288+00 | -L- | 1.0-3.0 | A-6 (6) | 31 | 16 | 12 | 34 | 21 | 33 | 100 | 96 | 58.6 | 19.6 | - |
| SS-238 | 35 LT | 290+00 | -L- | 0.0-1.5 | A-6 (5) | 29 | 14 | 10 | 32 | 24 | 34 | 93 | 90 | 59.1 | 18.9 | - |
| SS-228 | 51 RT | 292+00 | -L- | 0.0-1.5 | A-6 (5) | 28 | 13 | 12 | 32 | 20 | 36 | 100 | 96 | 61.4 | 21.8 | - |
| SS-229 | 51 RT | 292+00 | -L- | 3.5-5.0 | A-7-6 (35) | 72 | 52 | 9 | 27 | 14 | 50 | 100 | 97 | 69.3 | 26.9 | - |
| S-38 | 35 LT | 294+00 | -L- | 1.0-3.0 | A-6 (12) | 39 | 22 | 11 | 30 | 18 | 41 | 100 | 97 | 64.3 | 21.9 | - |
| SS-224 | 50 RT | 296+00 | -L- | 3.5-5.0 | A-7-6 (30) | 61 | 42 | 8 | 25 | 17 | 50 | 100 | 98 | 73.2 | 24.6 | - |
| SS-234 | 48 LT | 298+00 | -L- | 0.0-1.5 | A-6 (4) | 27 | 11 | 10 | 30 | 27 | 33 | 96 | 93 | 63.9 | 16.6 | - |
| S-220 | 35 RT | 300+00 | -L- | 1.0-3.0 | A-6 (4) | 25 | 11 | 10 | 34 | 24 | 32 | 100 | 97 | 61.7 | 20.2 | - |
| SS-216 | 11 RT | 302+00 | -L- | 3.5-5.0 | A-7-6 (27) | 58 | 38 | 8 | 25 | 21 | 46 | 100 | 98 | 72.2 | 28.8 | - |
| SS-210 | 35 RT | 304+00 | -L- | 1.0-2.5 | A-4 (0) | 20 | 6 | 13 | 40 | 23 | 24 | 100 | 97 | 52 | 18.4 | - |
| SS-211 | 35 RT | 304+00 | L | 3.5-5.0 | A-7-6 (10) | 44 | 27 | 15 | 36 | 12 | 37 | 100 | 97 | 51.8 | 18.2 | - |
| S-36 | 95 LT | 306+00 | -L- | 1.0-3.0 | A-7-6 (3) | 42 | 24 | 40 | 26 | 6 | 28 | 100 | 86 | 35.8 | ND | - |
| SS-206 | 35 RT | 308+00 | -L- | 3.5-5.0 | A-6 (4) | 33 | 17 | 19 | 37 | 11 | 33 | 100 | 97 | 47.7 | 21.7 | - |
| SS-200 | 24 LT | 310+00 | -L- | 3.5-5.0 | A-2-6 (0) | 34 | 16 | 11 | 59 | 3 | 27 | 100 | 98 | 31.2 | - | - |
| S-196 | 35 RT | 312+00 | -L- | 2.0-4.0 | A-6 (6) | 31 | 16 | 10 | 38 | 20 | 32 | 100 | 99 | 55 | 20.3 | - |
| SS-192 | 20 LT | 314+00 | -L- | 3.5-5.0 | A-6 (3) | 28 | 13 | 16 | 40 | 16 | 28 | 100 | 97 | 47.9 | 20.2 | - |
| SS-186 | 25 RT | 316+00 | -L- | 0.0-1.5 | A-6 (5) | 27 | 13 | 10 | 35 | 21 | 34 | 100 | 99 | 59.4 | 21.2 | - |
| SS-187 | 25 RT | 316+00 | -L- | 3.5-5.0 | A-7-6 (19) | 48 | 33 | 7 | 33 | 33 | 27 | 100 | 99 | 64.9 | 30.9 | - |
| S-57 | 21 LT | 318+00 | -L- | 3.0-4.0 | A-4 (4) | 26 | 8 | 7 | 25 | 35 | 33 | 100 | 98 | 71.6 | 32.9 | - |
| SS-181 | 35 RT | 320+00 | -L- | 0.0-1.5 | A-6 (2) | 28 | 12 | 14 | 45 | 15 | 26 | 100 | 98 | 44.2 | 18.6 | - |
| SS-183 | 35 RT | 320+00 | -L- | 6.0-7.5 | A-4 (0) | 30 | 5 | 9 | 57 | 7 | 27 | 100 | 98 | 40.4 | 20.6 | - |
| SS-177 | 22 LT | 322+00 | -L- | 3.5-5.0 | A-7-6 (7) | 41 | 23 | 10 | 44 | 12 | 34 | 100 | 98 | 49.5 | 22.5 | - |
| S-78 | 35 RT | 324+00 | -L- | 1.5-2.5 | A-6 (3) | 27 | 13 | 10 | 44 | 18 | 28 | 100 | 98 | 48.8 | 21 | - |
| SS-171 | 14 LT | 326+00 | -L- | 0.0-1.5 | A-4 (0) | 20 | 2 | 8 | 49 | 23 | 20 | 100 | 98 | 46.8 | 20.3 | - |
| SS-172 | 14 LT | 326+00 | -L- | 3.5-5.0 | A-6 (3) | 30 | 14 | 10 | 47 | 11 | 32 | 100 | 98 | 45.5 | 21.8 | - |
| SS-167 | 20 LT | 328+00 | -L- | 3.5-5.0 | A-7-6 (14) | 49 | 30 | 8 | 36 | 6 | 50 | 100 | 98 | 57.3 | 41.2 | - |
| S-51 | CL | 330+00 | -L- | 0.2-1.0 | A-4 (0) | 21 | 7 | 12 | 48 | 19 | 21 | 100 | 97 | 43.5 | 16 | - |
| S-52 | CL | 330+00 | -L- | 3.0-4.0 | A-6 (4) | 29 | 16 | 11 | 42 | 16 | 31 | 100 | 99 | 50.4 | 22 | - |
| SS-162 | 58 RT | 332+00 | -L- | 3.5-5.0 | A-2-4 (0) | 26 | 6 | 12 | 65 | 2 | 21 | 100 | 98 | 25.5 | - | - |
| SS-230 | 35 LT | 334+00 | -L- | 3.5-5.0 | A-6 (5) | 39 | 22 | 15 | 46 | 5 | 34 | 97 | 95 | 41.9 | 23.4 | - |
| S-35 | 52 LT | 336+00 | -L- | 1.0-3.0 | A-6 (2) | 27 | 11 | 10 | 49 | 12 | 29 | 98 | 97 | 45.8 | 22.9 | - |
| SS-224 | 29 LT | 338+00 | -L- | 0.0-1.5 | A-4 (0) | 17 | 1 | 11 | 57 | 17 | 15 | 100 | 99 | 38.9 | ND | - |
| SS-157 | 78 RT | 340+00 | -L- | 3.5-5.0 | A-7-6 (21) | 46 | 28 | 3 | 23 | 32 | 42 | 100 | 100 | 77.7 | 26 | - |
| S-35 | 7 RT | 342+00 | -L- | 1.0-3.0 | A-4 (2) | 24 | 8 | 7 | 40 | 24 | 29 | 100 | 99 | 58.4 | 24.9 | - |
| SS-217 | 17 RT | 344+37 | -L- | 0.0-1.5 | A-4 (0) | 19 | 4 | 12 | 50 | 18 | 20 | 100 | 96 | 43.3 | 13.2 | - |
| SS-149 | 82 RT | 344+40 | -L- | 0.0-1.5 | A-6 (10) | 36 | 20 | 8 | 31 | 22 | 39 | 100 | 98 | 65 | 20.7 | - |
| SS-150 | 82 RT | 344+40 | -L- | 3.5-5.0 | A-6 (10) | 36 | 18 | 6 | 33 | 21 | 40 | 100 | 98 | 65.6 | 35.9 | - |

***SOIL TEST RESULTS***

| *SAMPLE NO.* | *OFFSET* | *STATION* | *LINE* | *DEPTH INTERVAL* | *AASHTO CLASS.* | *L.L.* | *P.I.* | *% BY WEIGHT* | | | | *% PASSING SIEVE* | | | *% MOISTURE* | *% ORGANIC* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | *C. SAND* | *F. SAND* | *SILT* | *CLAY* | *10* | *40* | *200* | | |
| SS-609 | 4 RT | 346+00 | -L- | 6.0-7.5 | A-4 (2) | 23 | 9 | 5 | 48 | 24 | 23 | 100 | 99 | 57 | ND | - |
| ST-5 | 4 RT | 346+00 | -L- | 5.0-7.0 | A-6 (6) | 30 | 14 | 4 | 41 | 27 | 28 | 100 | 100 | 60.7 | 24.6 | - |
| ST-6 | 4 RT | 346+00 | -L- | 13.5-15.5 | A-7-5 (44) | 72 | 34 | 0 | 1 | 26 | 73 | 100 | 100 | 99.6 | 80.1 | - |
| SS-601 | 56 LT | 348+00 | -L- | 0.0-1.5 | A-6 (5) | 33 | 16 | 5 | 48 | 18 | 29 | 100 | 99 | 52.2 | 23.3 | - |
| ST-7 | 56 LT | 348+00 | -L- | 1.2-2.7 | A-7-6 (17) | 48 | 26 | 7 | 28 | 18 | 47 | 100 | 99 | 68.5 | 27.5 | - |
| S-46 | 76 RT | 348+00 | -L- | 0.0-1.0 | A-4 (0) | 20 | 1 | 12 | 44 | 28 | 16 | 100 | 98 | 48.7 | 16.7 | - |
| S-47 | 76 RT | 348+00 | -L- | 2.0-3.0 | A-6 (11) | 34 | 20 | 7 | 29 | 26 | 38 | 100 | 99 | 67.5 | 19.4 | - |
| SS-213 | 6 LT | 350+00 | -L- | 3.5-5.0 | A-4 (0) | 16 | 1 | 12 | 51 | 22 | 15 | 100 | 97 | 42.6 | 17 | - |
| SS-207 | 22 LT | 352+00 | -L- | 0.0 - 1.5 | A-2-4 (0) | N.P | N.P. | 24 | 59 | 8 | 9 | 95 | 91 | 16 | 10.3 | 4.1 |
| SS-208 | 22 LT | 352+00 | -L- | 3.5-5.0 | A-4 (2) | 21 | 7 | 4 | 33 | 37 | 26 | 100 | 99 | 67.8 | 17.6 | - |
| S-32 | 25 LT | 354+00 | -L- | 1.0-3.0 | A-4 (1) | 23 | 7 | 19 | 33 | 21 | 27 | 100 | 89 | 52.3 | ND | - |
| SS-202 | 1 LT | 356+00 | -L- | 3.5-5.0 | A-4 (0) | 15 | 1 | 10 | 53 | 22 | 15 | 99 | 97 | 42.4 | ND | - |
| SS-196 | 34 LT | 358+00 | -L- | 0.0-1.5 | A-2-4 (0) | 23 | 7 | 24 | 47 | 2 | 27 | 100 | 91 | 31.8 | - | - |
| S-42 | 96 RT | 360+00 | -L- | 3.0-4.0 | A-2-4 (0) | 27 | 9 | 30 | 43 | 4 | 23 | 100 | 90 | 28.5 | - | - |
| SS-191 | 35 LT | 362+00 | -L- | 0.0-1.5 | A-2-4 (0) | 19 | N.P. | 26 | 52 | 8 | 14 | 100 | 91 | 24.2 | - | - |
| SS-187 | 19 RT | 364+00 | -L- | 3.5-5.0 | A-2-6 (0) | 29 | 15 | 37 | 37 | 3 | 23 | 100 | 87 | 28.4 | - | - |
| SS-138 | 45 RT | 368+00 | -L- | 3.5-5.0 | A-4 (1) | 23 | 5 | 9 | 34 | 33 | 24 | 100 | 97 | 62.1 | 30 | - |
| SS-175 | 11 LT | 370+00 | -L- | 3.5-5.0 | A-7-6 (15) | 53 | 32 | 4 | 21 | 21 | 54 | 73 | 72 | 56.1 | 38.8 | - |
| SS-176 | 11 LT | 370+00 | -L- | 6.0-7.5 | A-2-4 (0) | N.P | N.P. | 16 | 60 | 11 | 13 | 98 | 94 | 23.9 | 29 | 3.0 |
| SS-177 | 11 LT | 370+00 | -L- | 8.5-10.0 | A-2-4 (0) | N.P | N.P. | 19 | 64 | 9 | 8 | 95 | 90 | 16.1 | 23.1 | 2.2 |
| SS-595 | 69 RT | 370+00 | -L- | 0.0-1.5 | A-4 (1) | 21 | 8 | 12 | 44 | 22 | 22 | 100 | 95 | 50 | 18.3 | - |
| SS-596 | 69 RT | 370+00 | -L- | 3.6-5.1 | A-6 (15) | 40 | 23 | 5 | 26 | 20 | 49 | 100 | 99 | 72.3 | 88.3 | - |
| ST-8 | 69 RT | 370+00 | -L- | 3.0-5.0 | A-4 (4) | 25 | 9 | 6 | 29 | 30 | 35 | 100 | 98 | 68.3 | 22.6 | - |
| SS-589 | 64 RT | 371+50 | -L- | 0.0-1.5 | A-4 (0) | 23 | 7 | 13 | 47 | 18 | 22 | 96 | 90 | 43.5 | 18.3 | - |
| ST-9 | 64 RT | 371+50 | -L- | 14.6-16.6 | A-4 (0) | 23 | 4 | 19 | 46 | 12 | 23 | 100 | 98 | 37.8 | 35.1 | - |
| SS-170 | 35 LT | 374+00 | -L- | 3.5-5.0 | A-2-6 (1) | 36 | 19 | 8 | 63 | 4 | 25 | 99 | 97 | 31.8 | - | - |
| SS-132 | 56 RT | 376+00 | -L- | 0.0-1.5 | A-6 (6) | 34 | 18 | 8 | 46 | 16 | 30 | 100 | 98 | 51.6 | 17.5 | - |
| SS-133 | 56 RT | 376+00 | -L- | 3.5-5.0 | A-2-4 (0) | 23 | 2 | 13 | 68 | 3 | 16 | 100 | 97 | 22.5 | - | - |
| S-28 | 20 LT | 378+00 | -L- | 1.0-3.0 | A-4 (1) | 22 | 10 | 10 | 48 | 15 | 27 | 100 | 97 | 46.8 | ND | - |
| SS-127 | 70 RT | 380+00 | -L- | 0.0-1.5 | A-6 (4) | 29 | 15 | 8 | 45 | 14 | 33 | 100 | 99 | 50.4 | 17.6 | - |
| SS-128 | 70 RT | 380+00 | -L- | 3.5-5.0 | A-7-6 (15) | 53 | 35 | 8 | 41 | 11 | 40 | 100 | 99 | 53.9 | 22.6 | - |
| SS-164 | 35 LT | 382+00 | -L- | 0.0-1.5 | A-4 (0) | 18 | 3 | 7 | 55 | 17 | 21 | 98 | 97 | 43.1 | ND | - |
| S-36 | 78 RT | 384+00 | -L- | 1.0-2.0 | A-4 (1) | 26 | 10 | 6 | 54 | 11 | 29 | 100 | 99 | 44.6 | 18.4 | - |
| SS-160 | 35 LT | 386+00 | -L- | 3.5-5.0 | A-6 (1) | 29 | 13 | 8 | 59 | 9 | 24 | 100 | 99 | 38.4 | 19.8 | - |
| SS-123 | 70 RT | 388+00 | -L- | 3.5-5.0 | A-7-6 (11) | 44 | 26 | 7 | 45 | 17 | 31 | 100 | 98 | 54.6 | 29.6 | - |
| S-25 | 35 LT | 390+00 | -L- | 1.0-3.0 | A-6 (4) | 33 | 17 | 7 | 51 | 10 | 32 | 100 | 99 | 45.6 | 22.4 | - |
| SS-154 | 70 RT | 392+00 | -L- | 0.0-1.5 | A-4 (1) | 21 | 8 | 5 | 47 | 23 | 25 | 100 | 99 | 52.3 | 18.4 | - |
| SS-149 | 35 LT | 394+00 | -L- | 0.0-1.5 | A-6 (3) | 27 | 13 | 6 | 46 | 14 | 34 | 100 | 99 | 51.5 | 19.9 | - |
| SS-150 | 35 LT | 394+00 | -L- | 3.5-5.0 | A-7-6 (8) | 43 | 26 | 6 | 50 | 4 | 40 | 100 | 99 | 47.1 | 24.8 | - |

***SOIL TEST RESULTS***

| *SAMPLE NO.* | *OFFSET* | *STATION* | *LINE* | *DEPTH INTERVAL* | *AASHTO CLASS.* | *L.L.* | *P.I.* | *% BY WEIGHT* | | | | *% PASSING SIEVE* | | | *% MOISTURE* | *% ORGANIC* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | *C. SAND* | *F. SAND* | *SILT* | *CLAY* | *10* | *40* | *200* | | |
| S-33 | 71 RT | 396+00 | -L- | 1.0-1.5 | A-6 (9) | 34 | 17 | 4 | 35 | 27 | 34 | 100 | 99 | 66.2 | 22.4 | - |
| SS-145 | 35 LT | 398+00 | -L- | 3.5-5.0 | A-7-6 (15) | 45 | 29 | 3 | 40 | 31 | 26 | 100 | 99 | 62.3 | 19.4 | - |
| SS-551 | 44 RT | 400+00 | -L- | 1.2-2.7 | A-6 (7) | 27 | 13 | 3 | 36 | 34 | 27 | 100 | 99 | 71 | ND | - |
| S-21 | 35 LT | 402+00 | -L- | 4.0-6.0 | A-7-6 (17) | 47 | 32 | 4 | 39 | 18 | 39 | 100 | 99 | 61.9 | ND | - |
| SS-129 | 39 LT | 404+00 | -L- | 0.0-1.5 | A-4 (2) | 21 | 7 | 3 | 31 | 36 | 30 | 100 | 99 | 72.2 | 21.2 | - |
| SS-124 | 28 LT | 406+00 | -L- | 0.0-1.5 | A-4 (2) | 22 | 8 | 4 | 40 | 35 | 21 | 100 | 99 | 62.5 | 15.7 | - |
| S-17 | 41 LT | 408+00 | -L- | 2.0-4.0 | A-6 (12) | 39 | 23 | 3 | 38 | 23 | 36 | 100 | 99 | 62.7 | 21.7 | - |
| SS-120 | 55 LT | 410+00 | -L- | 3.5-5.0 | A-6 (9) | 35 | 21 | 5 | 40 | 26 | 29 | 100 | 99 | 58.8 | ND | - |
| SS-118 | 99 RT | 412+00 | -L- | 3.5-5.0 | A-7-6 (6) | 42 | 24 | 8 | 50 | 10 | 32 | 100 | 98 | 45 | 24 | - |
| S-15 | 60 LT | 414+00 | -L- | 1.0-3.0 | A-6 (5) | 28 | 14 | 6 | 41 | 21 | 32 | 100 | 99 | 56.2 | ND | - |
| SS-114 | 76 RT | 416+00 | -L- | 6.0-7.5 | A-6 (1) | 27 | 11 | 7 | 57 | 15 | 21 | 100 | 98 | 39 | 16.8 | - |
| SS-140 | 58 LT | 418+00 | -L- | 3.5-5.0 | A-6 (4) | 33 | 18 | 16 | 41 | 15 | 28 | 100 | 97 | 45 | 19.7 | - |
| S-28 | 45 RT | 420+00 | -L- | 1.0-2.0 | A-4 (0) | 17 | 1 | 10 | 54 | 20 | 16 | 100 | 98 | 40.9 | 18 | - |
| SS-557 | 55 LT | 422+00 | -L- | 3.5-5.0 | A-4 (1) | 23 | 9 | 9 | 49 | 20 | 22 | 99 | 97 | 45.1 | 15.6 | - |
| SS-107 | 35 RT | 424+00 | -L- | 0.0-1.5 | A-4 (0) | 17 | 4 | 9 | 46 | 19 | 26 | 100 | 98 | 46.8 | 13.5 | - |
| SS-108 | 35 RT | 424+00 | -L- | 3.5-5.0 | A-6 (1) | 24 | 11 | 10 | 49 | 17 | 24 | 100 | 98 | 43.9 | 19.3 | - |
| S-26 | 59 LT | 426+00 | -L- | 4.0-6.0 | A-6 (6) | 38 | 21 | 9 | 45 | 10 | 36 | 100 | 98 | 47.7 | 22.5 | - |
| SS-102 | 54 RT | 428+00 | -L- | 0.0-1.5 | A-2-4 (0) | 21 | 2 | 12 | 55 | 19 | 14 | 100 | 98 | 35.4 | - | - |
| SS-114 | 67 LT | 430+00 | -L- | 0.0-1.5 | A-4 (0) | 21 | 7 | 12 | 45 | 15 | 28 | 87 | 84 | 38.5 | 16.5 | - |
| SS-115 | 67 LT | 430+00 | -L- | 3.5-5.0 | A-4 (0) | 22 | 8 | 14 | 51 | 10 | 25 | 99 | 96 | 36.6 | ND | - |
| SS-109 | 35 LT | 434+00 | -L- | 0.0-1.5 | A-4 (0) | 19 | 7 | 8 | 51 | 18 | 23 | 100 | 99 | 43.1 | 16 | - |
| SS-134 | 4 LT | 436+00 | -L- | 0.0-1.5 | A-4 (0) | 18 | 1 | 12 | 52 | 19 | 17 | 100 | 97 | 38.2 | 18.7 | - |
| S-24 | 35 LT | 438+00 | -L- | 1.0-3.0 | A-6 (1) | 23 | 11 | 15 | 43 | 17 | 25 | 100 | 98 | 43.5 | 20.5 | - |
| SS-98 | 76 RT | 440+00 | -L- | 3.5-5.0 | A-6 (1) | 27 | 11 | 14 | 48 | 10 | 28 | 100 | 97 | 39.4 | 21.4 | - |
| SS-104 | 37 LT | 442+00 | -L- | 0.0-1.5 | A-4 (0) | 18 | 3 | 13 | 53 | 20 | 14 | 100 | 98 | 36.6 | 13.2 | - |
| S-24 | 62 RT | 444+00 | -L- | 1.0-1.5 | A-6 (2) | 25 | 11 | 8 | 46 | 14 | 32 | 100 | 98 | 48.8 | 20.1 | - |
| SS-100 | 55 LT | 446+00 | -L- | 3.5-5.0 | A-6 (3) | 32 | 17 | 11 | 48 | 14 | 27 | 100 | 98 | 43.5 | 20.9 | - |
| SS-92 | 35 RT | 448+00 | -L- | 0.0-1.5 | A-2-4 (0) | 20 | N.P. | 12 | 60 | 17 | 11 | 100 | 98 | 31 | - | - |
| SS-87 | 28 RT | 452+00 | -L- | 0.0-1.5 | A-4 (1) | 27 | 6 | 11 | 33 | 28 | 28 | 100 | 98 | 57.2 | 20.1 | - |
| SS-88 | 28 RT | 452+00 | -L- | 3.5-5.0 | A-6 (3) | 24 | 11 | 8 | 41 | 21 | 30 | 100 | 99 | 54 | 20.3 | - |
| SS-94 | 70 LT | 454+00 | -L- | 0.0-1.5 | A-6 (2) | 24 | 11 | 17 | 38 | 19 | 26 | 100 | 97 | 46.6 | 17.5 | - |
| S-17 | 26 RT | 456+00 | -L- | 3.0-4.0 | A-4 (0) | 22 | 9 | 19 | 43 | 16 | 22 | 100 | 98 | 40 | ND | - |
| SS-90 | 72 LT | 458+00 | -L- | 3.5-5.0 | A-6 (1) | 26 | 11 | 19 | 43 | 14 | 24 | 100 | 98 | 39.7 | 17.9 | - |
| SS-91 | 72 LT | 458+00 | -L- | 6.0-7.5 | A-2-4 (0) | 22 | N.P. | 11 | 76 | 2 | 11 | 100 | 99 | 15.4 | - | - |
| SS-82 | 32 LT | 460+00 | -L- | 0.0-1.5 | A-4 (1) | 23 | 9 | 12 | 42 | 20 | 26 | 100 | 99 | 48.8 | 16.9 | - |
| SS-84 | 32 LT | 460+00 | -L- | 6.0-7.5 | A-2-4 (0) | 27 | 10 | 15 | 57 | 9 | 19 | 100 | 99 | 30.8 | - | - |
| SS-77 | 27 RT | 464+00 | -L- | 0.0-1.5 | A-2-4 (0) | 18 | N.P. | 16 | 61 | 11 | 12 | 100 | 97 | 27 | - | - |
| SS-78 | 27 RT | 464+00 | -L- | 3.5-5.0 | A-6 (4) | 32 | 17 | 13 | 43 | 13 | 31 | 100 | 99 | 45.1 | 19.1 | - |
| SS-84 | 74 LT | 466+00 | -L- | 0.0-1.5 | A-4 (0) | 20 | 7 | 11 | 46 | 18 | 25 | 100 | 99 | 44.4 | 15.1 | - |

***SOIL TEST RESULTS***

| *SAMPLE NO.* | *OFFSET* | *STATION* | *LINE* | *DEPTH INTERVAL* | *AASHTO CLASS.* | *L.L.* | *P.I.* | *% BY WEIGHT* | | | | *% PASSING SIEVE* | | | *% MOISTURE* | *% ORGANIC* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | *C. SAND* | *F. SAND* | *SILT* | *CLAY* | *10* | *40* | *200* | | |
| SS-85 | 74 LT | 466+00 | -L- | 3.5-5.0 | A-6 (1) | 27 | 12 | 12 | 49 | 12 | 27 | 100 | 99 | 40.5 | 30.8 | - |
| SS-86 | 74 LT | 466+00 | -L- | 6.0-7.5 | A-2-4 (0) | 21 | 2 | 15 | 62 | 6 | 17 | 100 | 99 | 24.3 | - | - |
| S-13 | 42 RT | 468+00 | -L- | 2.5-3.5 | A-6 (1) | 26 | 12 | 11 | 49 | 14 | 26 | 100 | 99 | 41.9 | 19.7 | - |
| S-14 | 42 RT | 468+00 | -L- | 7.5-8.5 | A-2-4 (0) | 22 | 5 | 16 | 59 | 8 | 17 | 100 | 98 | 27.1 | - | - |
| SS-80 | 72 LT | 470+00 | -L- | 3.5-5.0 | A-6 (4) | 38 | 21 | 14 | 49 | 9 | 28 | 100 | 99 | 39.6 | 25.2 | - |
| SS-73 | 34 RT | 472+00 | -L- | 3.5-5.0 | A-6 (5) | 36 | 19 | 13 | 42 | 16 | 29 | 100 | 99 | 47.3 | 23.9 | - |
| S-14 | 51 LT | 474+00 | -L- | 2.0-4.0 | A-4 (0) | 22 | 5 | 11 | 45 | 16 | 28 | 100 | 99 | 45.4 | 18.7 | - |
| SS-68 | 58 RT | 476+00 | -L- | 3.5-5.0 | A-2-4 (0) | 27 | 6 | 16 | 64 | 2 | 18 | 100 | 98 | 22.2 | - | - |
| SS-75 | 35 LT | 478+00 | -L- | 3.5-5.0 | A-2-4 (0) | 26 | 10 | 10 | 60 | 6 | 24 | 100 | 99 | 31.8 | - | - |
| SS-76 | 35 LT | 478+00 | -L- | 6.0-7.5 | A-2-4 (0) | 24 | 3 | 6 | 78 | 4 | 12 | 100 | 99 | 18.5 | - | - |
| S-13 | 10 LT | 480+00 | -L- | 4.0-6.0 | A-4 (0) | 19 | 4 | 7 | 60 | 14 | 19 | 100 | 99 | 35.7 | ND | - |
| SS-70 | 55 LT | 482+00 | -L- | 3.5-5.0 | A-2-4 (0) | 21 | 4 | 7 | 61 | 9 | 23 | 100 | 99 | 34.8 | - | - |
| SS-71 | 55 LT | 482+00 | -L- | 6.0-7.5 | A-2-4 (0) | 22 | 2 | 5 | 73 | 8 | 14 | 100 | 99 | 27.3 | - | - |
| SS-65 | 34 LT | 484+00 | -L- | 3.5-5.0 | A-2-4 (0) | 20 | 2 | 5 | 69 | 11 | 15 | 100 | 99 | 29.7 | - | - |
| S-12 | 35 LT | 486+00 | -L- | 1.5-3.5 | A-4 (1) | 22 | 10 | 6 | 51 | 17 | 26 | 100 | 99 | 44.8 | ND | - |
| SS-62 | 106 RT | 488+00 | -L- | 0.0-1.5 | A-4 (0) | 19 | 6 | 6 | 52 | 17 | 25 | 100 | 99 | 43.2 | 15.1 | - |
| SS-59 | 30 LT | 490+00 | -L- | 0.0-1.5 | A-6 (3) | 32 | 16 | 4 | 55 | 11 | 30 | 100 | 99 | 43 | 18 | - |
| SS-61 | 30 LT | 490+00 | -L- | 6.0-7.5 | A-2-4 (0) | 23 | 3 | 6 | 69 | 8 | 17 | 100 | 99 | 30.8 | - | - |
| S-11 | 11 LT | 492+00 | -L- | 1.0-3.0 | A-4 (0) | 18 | 3 | 6 | 57 | 19 | 18 | 100 | 99 | 39.5 | ND | - |
| SS-55 | 16 LT | 494+00 | -L- | 3.5-5.0 | A-2-4 (0) | 22 | 7 | 5 | 63 | 7 | 25 | 100 | 99 | 33.9 | - | - |
| SS-561 | 42 RT | 496+00 | -L- | 1.3-2.8 | A-2-4 (0) | 20 | 6 | 7 | 67 | 9 | 17 | 99 | 98 | 29.6 | - | - |
| S-9 | 15 LT | 498+00 | -L- | 1.0-2.0 | A-4 (0) | 21 | 7 | 3 | 55 | 20 | 22 | 100 | 99 | 44.9 | ND | - |
| SS-50 | 16 LT | 499+00 | -L- | 3.5-5.0 | A-7-6 (24) | 57 | 38 | 4 | 30 | 16 | 50 | 100 | 99 | 67.7 | 27.4 | - |
| ST-10 | 16 LT | 499+00 | -L- | 1.0-3.0 | A-7-6 (21) | 47 | 28 | 2 | 26 | 14 | 58 | 100 | 99 | 76.2 | 30 | - |
| SS-57 | 102 RT | 500+00 | -L- | 3.5-5.0 | A-6 (2) | 28 | 12 | 7 | 56 | 15 | 22 | 100 | 98 | 45.1 | 30 | - |
| SS-45 | 21 LT | 502+00 | -L- | 3.5-5.0 | A-7-6 (11) | 48 | 31 | 8 | 46 | 11 | 35 | 100 | 99 | 49.1 | 17 | - |
| S-6 | 8 RT | 504+00 | -L- | 4.0-6.0 | A-6 (2) | 25 | 11 | 6 | 48 | 25 | 21 | 100 | 99 | 51.1 | ND | - |
| SS-41 | 18 LT | 506+00 | -L- | 6.0-7.5 | A-7-6 (5) | 43 | 26 | 16 | 47 | 5 | 32 | 100 | 95 | 38.9 | 22 | - |
| SS-34 | 32 RT | 508+00 | -L- | 0.0-1.5 | A-7-6 (7) | 41 | 22 | 7 | 48 | 9 | 36 | 100 | 98 | 48 | 26.5 | - |
| SS-35 | 32 RT | 508+00 | -L- | 3.5-5.0 | A-7-6 (6) | 47 | 28 | 17 | 44 | 5 | 34 | 100 | 96 | 40.6 | ND | - |
| S-4 | 35 LT | 510+00 | -L- | 3.0-5.0 | A-6 (4) | 38 | 21 | 19 | 43 | 5 | 33 | 100 | 95 | 39.9 | ND | - |
| SS-252 | 62 RT | 511+50 | -L- | 3.5-5.0 | A-4 (0) | 18 | 3 | 12 | 40 | 31 | 17 | 100 | 97 | 51 | 17.7 | - |
| ST-11 | 62 RT | 511+50 | -L- | 21.8-23.8 | A-7-5 (37) | 63 | 30 | 1 | 2 | 33 | 64 | 100 | 100 | 98.1 | 75.4 | - |
| SS-574 | 32 RT | 512+00 | -L- | 0.7-2.2 | A-6 (5) | 32 | 17 | 10 | 42 | 16 | 32 | 100 | 97 | 50.9 | ND | - |
| SS-30 | 35 LT | 514+00 | -L- | 3.5-5.0 | A-6 (5) | 36 | 20 | 5 | 57 | 13 | 25 | 100 | 98 | 44.3 | 15.8 | - |
| S-9 | 39 RT | 516+00 | -L- | 1.0-2.0 | A-6 (5) | 31 | 15 | 9 | 42 | 23 | 26 | 100 | 98 | 54.2 | ND | - |
| SS-24 | 61 LT | 518+00 | -L- | 0.0-1.5 | A-4 (0) | 18 | 6 | 9 | 51 | 21 | 19 | 100 | 97 | 46.2 | 15 | - |
| SS-51 | 23 RT | 520+00 | -L- | 0.0-1.5 | A-6 (7) | 34 | 19 | 5 | 43 | 19 | 33 | 100 | 99 | 55.6 | 22.5 | - |
| S-6 | 16 RT | 522+00 | -L- | 1.0-2.5 | A-4 (0) | 24 | 8 | 4 | 59 | 10 | 27 | 100 | 99 | 39.6 | 17.5 | - |

***SOIL TEST RESULTS***

| *SAMPLE NO.* | *OFFSET* | *STATION* | *LINE* | *DEPTH INTERVAL* | *AASHTO CLASS.* | *L.L.* | *P.I.* | *% BY WEIGHT* | | | | *% PASSING SIEVE* | | | *% MOISTURE* | *% ORGANIC* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | *C. SAND* | *F. SAND* | *SILT* | *CLAY* | *10* | *40* | *200* | | |
| S-7 | 16 RT | 522+00 | -L- | 5.0-6.0 | A-2-4 (0) | 21 | 2 | 12 | 68 | 5 | 15 | 100 | 97 | 22.1 | - | - |
| SS-46 | 35 RT | 524+00 | -L- | 0.0-1.5 | A-4 (0) | 24 | 8 | 3 | 60 | 13 | 24 | 100 | 99 | 42.3 | 18.6 | - |
| SS-47 | 35 RT | 524+00 | -L- | 3.5-5.0 | A-2-6 (0) | 32 | 12 | 2 | 69 | 2 | 27 | 100 | 100 | 30.6 | - | - |
| S-3 | 33 RT | 528+00 | -L- | 0.3-1.5 | A-4 (0) | 20 | 1 | 6 | 62 | 19 | 13 | 100 | 99 | 40 | ND | - |
| SS-42 | 17 RT | 530+00 | -L- | 3.5-5.0 | A-6 (11) | 35 | 19 | 3 | 33 | 31 | 33 | 100 | 99 | 67.9 | 20.8 | - |
| SS-37 | 10 RT | 532+00 | -L- | 3.7-5.2 | A-6 (4) | 27 | 13 | 4 | 41 | 21 | 34 | 100 | 99 | 58.3 | 19.9 | - |
| SS-31 | 12 RT | 536+00 | -L- | 0.0-1.5 | A-2-4 (0) | 18 | N.P. | 10 | 78 | 6 | 6 | 100 | 97 | 14.8 | - | - |
| SS-2 | 24 RT | 538+00 | -L- | 3.5-5.0 | A-2-4 (0) | 20 | N.P. | 8 | 77 | 4 | 11 | 100 | 98 | 19.9 | - | - |
| SS-8 | 17 RT | 542+00 | -L- | 0.0-1.5 | A-4 (0) | 17 | 2 | 12 | 49 | 21 | 18 | 100 | 97 | 44.6 | 16.8 | - |
| SS-11 | 17 RT | 542+00 | -L- | 8.5-10.0 | A-7-6 (8) | 43 | 27 | 7 | 52 | 9 | 32 | 100 | 99 | 47.2 | 23.3 | - |
| SS-16 | 38 RT | 544+00 | -L- | 3.5-5.0 | A-6 (3) | 28 | 15 | 19 | 40 | 15 | 26 | 100 | 96 | 45.1 | 18.2 | - |
| S-112 | 80 LT | 546+00 | -L- | 4.0-6.0 | A-2-6 (0) | 33 | 7 | 25 | 48 | 8 | 19 | 100 | 94 | 30.6 | - | - |
| SS-22 | 40 RT | 548+00 | -L- | 3.5-5.0 | A-2-4 (0) | 24 | 9 | 25 | 44 | 7 | 24 | 100 | 94 | 32.3 | - | - |
| SS-26 | 80 RT | 550+00 | -L- | 0.0-1.5 | A-2-4 (0) | 17 | N.P. | 13 | 63 | 16 | 8 | 100 | 97 | 26.8 | - | - |
| SS-27 | 80 RT | 550+00 | -L- | 3.5-5.0 | A-6 (2) | 29 | 14 | 10 | 51 | 12 | 27 | 100 | 98 | 40.4 | 17.7 | - |
| SS-28 | 80 RT | 550+00 | -L- | 6.0-7.5 | A-2-4 (0) | 31 | 8 | 3 | 73 | 2 | 22 | 100 | 100 | 28.5 | - | - |
| SS-30 | 80 RT | 550+00 | -L- | 13.5-15.0 | A-4 (1) | 32 | 10 | 1 | 68 | 6 | 25 | 100 | 100 | 39.2 | 28.8 | - |
| SS-20 | 60 LT | 554+00 | -L- | 3.5-5.0 | A-2-6 (0) | 28 | 11 | 5 | 65 | 5 | 25 | 100 | 99 | 34 | - | - |
| SS-580 | CL | 556+00 | -L- | 3.5-5.0 | A-2-4 (0) | 29 | 7 | 2 | 73 | 4 | 21 | 100 | 100 | 28 | - | - |
| S-18 | 58 LT | 558+00 | -L- | 5.0-6.5 | A-2-4 (0) | 20 | 1 | 7 | 69 | 10 | 14 | 100 | 98 | 28 | - | - |
| SS-2 | 55 RT | 560+00 | -L- | 3.5-5.0 | A-1-b (0) | 18 | N.P. | 88 | 9 | 2 | 1 | 95 | 29 | 4 | - | - |
| SS-585 | 18 LT | 562+00 | -L- | 3.5-5.0 | A-2-6 (0) | 24 | 11 | 20 | 48 | 8 | 24 | 100 | 90 | 34 | - | - |
| SS-15 | 6 LT | 566+00 | -L- | 6.0-7.5 | A-2-4 (0) | 32 | 2 | 34 | 40 | 16 | 10 | 100 | 80 | 29.7 | - | - |
| SS-11 | 6 RT | 568+00 | -L- | 8.5-10.0 | A-2-6 (0) | 29 | 13 | 27 | 45 | 6 | 22 | 100 | 89 | 30.2 | - | - |
| S-141 | 31 LT | 12+00 | -Y1- | 3.0-4.0 | A-4 (3) | 29 | 9 | 1 | 60 | 13 | 26 | 100 | 100 | 56.6 | 23.7 | - |
| SS-370 | 9 RT | 13+61 | -Y1- | 3.5-5.0 | A-6 (5) | 34 | 14 | 0 | 66 | 12 | 22 | 100 | 100 | 53.1 | 30 | - |
| SS-446 | 23 RT | 17+30 | -Y2- | 3.5-5.0 | A-6 (15) | 36 | 20 | 1 | 34 | 29 | 36 | 100 | 100 | 79.7 | 26 | - |
| S-104 | 4 LT | 12+00 | -Y3- | 3.0-5.0 | A-7-6 (19) | 45 | 29 | 2 | 33 | 24 | 41 | 97 | 96 | 72.7 | ND | - |
| SS-179 | 40 LT | 19+00 | -Y4- | 0.0-1.5 | A-4 (7) | 28 | 9 | 1 | 21 | 51 | 27 | 100 | 100 | 88.9 | 27 | - |
| SS-542 | 12 LT | 13+20 | -Y5- | 0.0-1.5 | A-4 (2) | 23 | 8 | 6 | 47 | 25 | 22 | 100 | 98 | 57.6 | 19.6 | - |
| SS-294 | 68 RT | 15+73 | -Y5- | 0.0-1.5 | A-4 (0) | 20 | 5 | 3 | 44 | 31 | 22 | 100 | 99 | 62.2 | 16.9 | - |
| S-25 | 30 LT | 20+55 | -Y6- | 1.0-3.0 | A-6 (4) | 33 | 17 | 7 | 51 | 10 | 32 | 100 | 99 | 45.6 | 22.4 | - |
| SS-571 | CL | 19+00 | -Y7- | 3.5-5.0 | A-6 (5) | 33 | 16 | 5 | 48 | 18 | 29 | 100 | 99 | 52.2 | 23.3 | - |
| SS-57 | 71 RT | 11+02 | -Y8- | 3.5-5.0 | A-6 (2) | 28 | 12 | 7 | 56 | 15 | 22 | 100 | 98 | 45.1 | 30 | - |
| SS-567 | 8 RT | 13+00 | -Y8- | 3.5-5.0 | A-6 (1) | 29 | 12 | 10 | 58 | 11 | 21 | 100 | 97 | 36 | 16.4 | - |
| SS-568 | 8 RT | 13+00 | -Y8- | 6.0-7.5 | A-7-6 (34) | 58 | 39 | 0 | 30 | 20 | 50 | 100 | 100 | 84.1 | 21.9 | - |
| SS-46 | 69 RT | 10+53 | -Y9- | 0.0-1.5 | A-4 (0) | 24 | 8 | 3 | 60 | 13 | 24 | 100 | 99 | 42.3 | 18.6 | - |
| SS-47 | 69 RT | 10+53 | -Y9- | 3.5-5.0 | A-2-6 (0) | 32 | 12 | 2 | 69 | 2 | 27 | 100 | 100 | 30.6 | - | - |
| SS-20 | 50 RT | 12+66 | -Y11- | 3.5-5.0 | A-2-6 (0) | 28 | 11 | 5 | 65 | 5 | 25 | 100 | 99 | 34 | - | - |

| *VANE SHEAR TEST RESULTS* | | | |
|---|---|---|---|
| *STATION* | *OFFSET* | *DEPTH (ft)* | *S (psf)* |
| 54+50 | 18' LT | 8.50 | 2,723 |
| 158+80 | 46' RT | 8.00 | 2,118 |
| 261+00 | 14' RT | 10.50 | 1,359 |
| 281+00 | 60' LT | 16.50 | 2,496 |
| 346+00 | 4' RT | 7.50 | 559 |
| 346+00 | 4' RT | 16.00 | 463 |
| 348+00 | 56' LT | 3.50 | 990 |
| 370+00 | 69' RT | 4.00 | 288 |
| 371+50 | 64' RT | 17.10 | 958 |
| 499+00 | 16' LT | 3.50 | 251 |
| 511+50 | 62' RT | 7.80 | 86 |
| 511+50 | 62' RT | 24.80 | 788 |