REFERENCE: R-5819/R-5820

PROJECT: 47091/47092

SEE SHEET 3 FOR PLAN SHEET LAYOUT AT TIME OF INVESTIGATION

CONTENTS

CROSS SECTIONS

APPENDICES

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

ROADWAY SUBSURFACE INVESTIGATION

COUNTY *COLUMBUS*

PROJECT DESCRIPTION *SR 1740 (OLD LAKE ROAD) CONVERT AT-GRADE INTERSECTION TO GRADE SEPARATION*

SR 1735 (CHAUNCEY TOWN ROAD) CONVERT AT-GRADE INTERSECTION TO INTERCHANGE

INVENTORY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-5819/R-5820	1	341

CAUTION NOTICE

THE SUBSURFACE INFORMATION AND THE SUBSURFACE INVESTIGATION ON WHICH IT IS BASED WERE MADE FOR THE PURPOSE OF STUDY, PLANNING AND DESIGN, AND NOT FOR CONSTRUCTION OR PAY PURPOSES. THE VARIOUS FIELD BORING LOGS, ROCK CORES AND SOIL TEST DATA AVAILABLE MAY BE REVIEWED OR INSPECTED IN RALEIGH BY CONTACTING THE N. C. DEPARTMENT OF TRANSPORTATION, GEOTECHNICAL ENGINEERING UNIT AT (919) 707-6850. THE SUBSURFACE PLANS AND REPORTS, FIELD BORING LOGS, ROCK CORES AND SOIL TEST DATA ARE NOT PART OF THE CONTRACT.

GENERAL SOIL AND ROCK STRATA DESCRIPTIONS AND INDICATED BOUNDARIES ARE BASED ON A GEOTECHNICAL INTERPRETATION OF ALL AVAILABLE SUBSURFACE DATA AND MAY NOT NECESSARILY REFLECT THE ACTUAL SUBSURFACE CONDITIONS BETWEEN BORINGS OR BETWEEN SAMPLED STRATA WITHIN THE BOREHOLE. THE LABORATORY SAMPLE DATA AND THE IN SITU (IN-PLACE) TEST DATA CAN BE RELIED ON ONLY TO THE DEGREE OF RELIABILITY INHERENT IN THE STANDARD TEST METHOD. THE OBSERVED WATER LEVELS OR SOIL MOISTURE CONDITIONS INDICATED IN THE SUBSURFACE INVESTIGATIONS ARE AS RECORDED AT THE TIME OF THE INVESTIGATION. THESE WATER LEVELS OR SOIL MOISTURE CONDITIONS MAY VARY CONSIDERABLY WITH TIME ACCORDING TO CLIMATIC CONDITIONS INCLUDING TEMPERATURES, PRECIPITATION AND WIND, AS WELL AS OTHER NON-CLIMATIC FACTORS.

THE BIDDER OR CONTRACTOR IS CAUTIONED THAT DETAILS SHOWN ON THE SUBSURFACE PLANS ARE PRELIMINARY ONLY AND IN MANY CASES THE FINAL DESIGN DETAILS ARE DIFFERENT. FOR BIDDING AND CONSTRUCTION PURPOSES, REFER TO THE CONSTRUCTION PLANS AND DOCUMENTS FOR FINAL DESIGN INFORMATION ON THIS PROJECT. THE DEPARTMENT DOES NOT WARRANT OR GUARANTEE THE SUFFICIENCY OR ACCURACY OF THE INVESTIGATION MADE, NOR THE INTERPRETATIONS MADE, OR OPINION OF THE DEPARTMENT AS TO THE TYPE OF MATERIALS AND CONDITIONS TO BE ENCOUNTERED. THE BIDDER OR CONTRACTOR IS CAUTIONED TO MAKE SUCH INDEPENDENT SUBSURFACE INVESTIGATIONS AS HE DEEMS NECESSARY TO SATISFY HIMSELF AS TO CONDITIONS TO BE ENCOUNTERED ON THE PROJECT. THE CONTRACTOR SHALL HAVE NO CLAIM FOR ADDITIONAL COMPENSATION OR FOR AN EXTENSION OF TIME FOR ANY REASON RESULTING FROM THE ACTUAL CONDITIONS ENCOUNTERED AT THE SITE DIFFERING FROM THOSE INDICATED IN THE SUBSURFACE INFORMATION.

NOTES:
1. THE INFORMATION CONTAINED HEREIN IS NOT IMPLIED OR GUARANTEED BY THE N. C. DEPARTMENT OF TRANSPORTATION AS ACCURATE NOR IS IT CONSIDERED PART OF THE PLANS, SPECIFICATIONS OR CONTRACT FOR THE PROJECT.
2. BY HAVING REQUESTED THIS INFORMATION, THE CONTRACTOR SPECIFICALLY WAIVES ANY CLAIMS FOR INCREASED COMPENSATION OR EXTENSION OF TIME BASED ON DIFFERENCES BETWEEN THE CONDITIONS INDICATED HEREIN AND THE ACTUAL CONDITIONS AT THE PROJECT SITE.

PERSONNEL

C. DRISCOLL

C. REYNOLDS

N. EVANS

TRIGON EXPLORATIONS

INVESTIGATED BY *C. DRISCOLL*

DRAWN BY *C. REYNOLDS/C. DRISCOLL*

CHECKED BY *T. WELLS*

SUBMITTED BY *KLEINFELDER, INC.*

DATE *FEBRUARY 2021*

Prepared in the Office of:

KLEINFELDER
Bright People. Right Solutions.
422 GALLIMORE DAIRY ROAD, SUITE B.
GREENSBORO, NC 27409
NC FIRM LICENSE NO. F-132

NORTH CAROLINA PROFESSIONAL SEAL 037998 ENGINEER THOMAS R. WELLS

DocuSigned by:
Thomas R. Wells 2/23/2021
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SIGNATURE DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PROJECT REFERENCE NO.	SHEET NO.
R-5819/R-5820	2

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 A-3	A-4, A-5 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 #40 #200	50 MX 30 MX 15 MX		50 MX 25 MX	51 MN 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 PI	— 6 MX		— NP		40 MX 10 MX	41 MN 10 MX	40 MX 11 MN	41 MN 11 MN	40 MX 10 MX	41 MN 10 MX	40 MX 11 MN	41 MN 11 MN	SOILS WITH LITTLE OR MODERATE AMOUNTS OF ORGANIC MATTER		HIGHLY ORGANIC SOILS
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 LOOSE MEDIUM DENSE DENSE VERY DENSE	< 4 4 TO 10 10 TO 30 30 TO 50 > 50	N/A
GENERALLY SILT-CLAY MATERIAL (COHESIVE)	VERY SOFT SOFT MEDIUM STIFF STIFF VERY STIFF HARD	< 2 2 TO 4 4 TO 8 8 TO 15 15 TO 30 > 30	< 0.25 0.25 TO 0.5 0.5 TO 1.0 1 TO 2 2 TO 4 > 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 SL — SHRINKAGE LIMIT	- MOIST - (M)	SOLID; AT OR NEAR OPTIMUM MOISTURE
	- 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, DPT, 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
γ - UNIT WEIGHT
γ_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
- [ ] VANE SHEAR TEST
- [ ] PORTABLE HOIST
- [ ] _____
- [ ] _____

ADVANCING TOOLS:
- [ ] CLAY BITS
- [ ] 6" CONTINUOUS FLIGHT AUGER
- [X] 8" HOLLOW AUGERS
- [ ] HARD FACED FINGER BITS
- [ ] TUNG.-CARBIDE INSERTS
- [X] CASING [ ] W/ ADVANCER
- [ ] TRICONE _____" STEEL TEETH
- [X] TRICONE 2 15/16" TUNG.-CARB.
- [ ] CORE BIT
- [ ] _____

HAMMER TYPE:
- [X] AUTOMATIC [ ] MANUAL

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

HAND TOOLS:
- [ ] POST HOLE DIGGER
- [X] HAND AUGER
- [ ] 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: N/A

ELEVATION: N/A FEET

NOTES:

ROADWAY BORING ELEVATIONS OBTAINED FROM PROJECT TIN FILE R5819-R5820_LS_TIN.TIN, RECEIVED ON JULY 20, 2019

FIAD - FILLED IMMEDIATELY AFTER DRILLING

DATE: 8-15-14

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

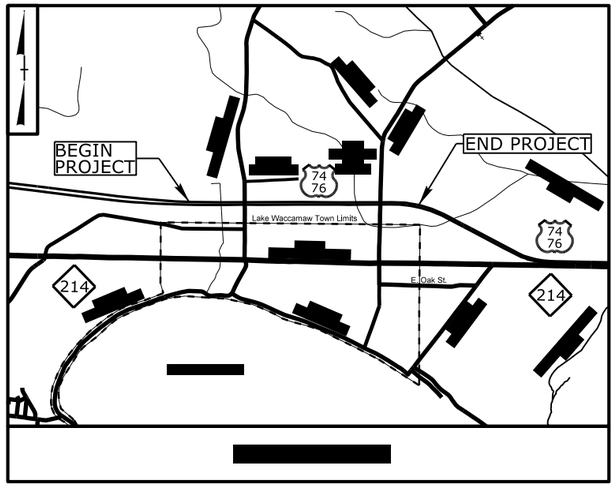
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R–5819/R–5820	3	341
STATE WBS NO.	F. A. PROJ. NO.	DESCRIPTION	
47091.1.1/47092.1.1		PE	

25% PLANS

COLUMBUS COUNTY

LOCATION: *SR 1740 (OLD LAKE ROAD) CONVERT AT–GRADE INTERSECTION TO GRADE SEPARATION (R–5819)*
SR 1735 (CHAUNCEY TOWN ROAD) CONVERT AT–GRADE INTERSECTION TO INTERCHANGE (R–5820)

TYPE OF WORK: *GRADING, PAVING, DRAINAGE, STRUCTURES*



BEGIN TIP PROJECT R–5819/R–5820
–LWB– POC STA. 18+50.00
–LEB– POC STA. 18+50.00

END TIP PROJECT
R–5819/R–5820
–L– POC
STA. 105+30.00

NAD 83/NA 2011

END CONSTRUCTION
–Y2– POT STA. 78+50.00

END CONSTRUCTION
–Y7– POT STA. 96+00.00

END CONSTRUCTION
–Y1– POC STA. 51+75.00

END BRIDGE
–Y1– POT STA. 39+54 +/–

–LWB– POT STA. 39+38.57 =
–LEB– POT STA. 39+47.20 =
–L– POT STA. 10+00.00

END BRIDGE
–Y2– POT STA. 42+04 +/–

BEGIN BRIDGE
–Y2– POT STA. 38+94 +/–

BEGIN BRIDGE
–Y1– POT STA. 37+00 +/–

BEGIN CONSTRUCTION
–Y3– POC STA. 13+40.00

END CONSTRUCTION
–Y3– POC STA. 21+23.00

BEGIN CONSTRUCTION
–Y2– POT STA. 28+10.00

END CONSTRUCTION
–Y1A– POT STA. 11+97.00

–LWB– US 74 /76
–LEB– US 74 /76
–L– US 74 /76
–Y1– SR 1735 CHAUNCEY TOWN RD
–Y2– SR 1740 OLD LAKE RD
–Y2– SR 1739 BEN JONES RD
–Y7– SR 1740 OLD LAKE RD
–Y7– SR 1738 GEORGIA RD
–Y3– NC 214 SAM POTTS HIGHWAY
–Y1A– SR 1757 FLEMINGTON DR
DET1. SR 1735 CHAUNCEY TOWN RD
DET2. SR 1740 OLD LAKE RD
EAST COLUMBUS HIGH SCHOOL
TO SR 1730
TO I–95
TO WILMINGTON
TO NC 211
TO HALLSBORO
TO LAKE WACCAMAW
LAKE WACCAMAW TOWN LIMITS
A
B
C
D

NOTES:
1. CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD II.
2. A PORTION OF THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF LAKE WACCAMAW.
3. THERE ARE NO DESIGN EXCEPTIONS ANTICIPATED ON THIS PROJECT.
4. THIS IS A CONTROLLED–ACCESS PROJECT WITH ACCESS BEING LIMITED TO INTERCHANGES.

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES

50 25 0 50 100
PLANS

50 25 0 50 100
PROFILE (HORIZONTAL)

10 5 0 10 20
PROFILE (VERTICAL)

DESIGN DATA

ADT 2022 = 14,400
ADT 2042 = 18,000
K = 8 %
D = 55 %
T = 20 % *
V = 75 MPH
* 16% TTST + 4% DUAL
FUNC CLASS=INTERSTATE
STATEWIDE TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT R–5819/R–5820 = 2.202 MILES

TOTAL LENGTH TIP PROJECT R–5819/R–5820 = 2.202 MILES

Prepared in the Office of:
CALYX ENGINEERS + CONSULTANTS

FOR THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
JANUARY 17, 2020

LETTING DATE:
JANUARY 18, 2022

NCDOT CONTACT:

JOHNNY BANKS
PROJECT MANAGER

STEPHEN C. BROWDE, PE
PROJECT DESIGN ENGINEER

JOHN GAUTHIER
PROJECT MANAGER

HYDRAULICS ENGINEER

SIGNATURE: *P.E.*

ROADWAY DESIGN ENGINEER

SIGNATURE: *P.E.*

STATE OF NORTH CAROLINA • DEPARTMENT OF TRANSPORTATION •

CONTRACT: ***TIP PROJECT: R–5819/R–5820***

09/08/99

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TWells AT KA21387

February 20, 2021

STATE PROJECT: 47091.1.1 / 47092.1.1 (R-5819 and R-5820)
COUNTY: Columbus
DESCRIPTION: SR 1740 (Old Lake Road) Convert at-grade Intersection to grade separation and SR 1735 (Chauncey Town Road) convert at-grade Intersection to Interchange
SUBJECT: GEOTECHNICAL REPORT - INVENTORY

PROJECT DESCRIPTION

This project consists of a widening of existing US 74 (-L-) from west of Chauncey Town Road to east of Old Lake Road. This project will also include a widening of Chauncey Town Road (-Y1-) and Old Lake Road (-Y2-), construction of a roundabout at the intersection of Sam Potts Highway (-Y3-) and Flemington Drive (-Y1A-), several ramps (-Y1RPA-, -Y1RPB-, -Y1RPC-, -Y1RPD-) and the creation of a new alignment (-Y7-). In addition, there will be a detour of Chauncey Town Road (-DET1-) to facilitate construction of the bridge on Chauncey Town Road over US 74 as well as a detour of Old Lake Road (-DET2-) to facilitate construction of the bridge on Old Lake Road over US 74.

The geotechnical investigation was conducted between February 2020 and March 2020. The majority of borings were performed using a hand auger while additional Standard Penetration Test borings were advanced with a CME-55 drill rig with an automatic hammer. Representative soil samples were collected for visual classification in the field and selected samples were submitted for laboratory analysis by Geotechnics, Inc.

The following alignments, totaling 7.02 miles, were investigated. Plan sheets and cross sections of these alignments are included in this report.

LINE	STATIONS
-LWB-	18+50 to 39+38
-L-	10+00 to 123+71
-Y1-	10+00 to 58+39
-Y1RPA-	10+00 to 30+80
-Y1RPB-	10+00 to 32+27
-Y1RPC-	10+00 to 30+82
-Y1RPD-	10+00 to 32+03
-Y1A-	10+00 to 16+88
-Y2-	28+10 to 83+58
-Y3-	13+40 to 23+92
-Y7-	10+00 to 99+51
-DET1-	10+00 to 42+19
-DET2-	10+00 to 41+46

PHYSIOGRAPHY AND GEOLOGY

The project is located in the Coastal Plain Physiographic Province. The project corridor is comprised primarily of residential properties, agricultural land and undeveloped wooded areas. The general topography along the project is generally flat to gently sloping.

422 Gallimore Dairy Road | Suite B, Greensboro, NC 27409 p| 336.668.0093 f| 336.668.3868

Geologically, the project area consists of Coastal Plain soils belonging to the Undivided Coastal Plain, the Waccamaw Formation, and the Peedee Formation consisting of sand, clayey sand, and clay, greenish gray to olive black, locally fossiliferous and calcareous. Patches of sandy molluscan-mold limestone from the Waccamaw Formation are found in upper part.

SOIL PROPERTIES

Soils encountered during this investigation are separated into four categories based on origin. They consist of roadway embankment, artificial fill, undivided coastal plain and formational soils.

Roadway Embankment soils are present along the existing roadways on the project. The roadway embankment encountered generally consist of moist to wet, loose to medium dense, coarse and fine sands (A-1) to silty coarse to fine sands (A-2-4) to clayey coarse to fine sands (A-2-6) and moist to wet, soft to stiff, coarse to fine sandy silts (A-4) to coarse to fine sandy clays (A-6). The plasticity index of the fine-grained soils tested ranged from non-plastic to 32. Organic contents of soils tested ranged from 3.0 to 8.9 percent.

Artificial Fill soils are present along some of the existing roadways on the project and in certain wooded areas. The artificial fill encountered generally consist of dry to moist, loose to medium dense, silty coarse to fine sand (A-2-4) to fine sand (A-3) and moist, medium stiff to stiff, moderately to highly plastic, sandy clay (A-6) to silty clay (A-7). No Artificial Fill soils were tested.

Coastal Plain soils are identified as Undivided Coastal Plain soils, the Waccamaw Formation, and the Peedee Formation. Undivided Coastal Plain soils and Peedee Formation soils generally consist of moist to saturated, very loose to medium dense, silty sands (A-2-4) with trace to little organic matter, moist to saturated, very loose to medium dense, slightly to highly plastic, clayey sands (A-2-6), moist to wet, loose to medium dense, fine sands (A-3), dry to wet, soft to stiff, non-plastic to slightly plastic, sandy silts (A-4) with trace organic matter to moderately organic soils and moist to saturated, very loose to medium dense, slightly to highly plastic, sandy clays to silty clays (A-6, A-7). The Waccamaw Formation consists of soft to medium hard, limestone with shell fragments. The plasticity index of the fine-grained soils tested ranged from non-plastic to 42. Organic contents of soils tested ranged from 1.5 to 10.6 percent.

GROUNDWATER

Groundwater was encountered at elevations ranging from 68.7 to 48.1 feet and typically ranges from 0.0 to 6.3 feet below the existing ground surface.

AREAS OF SPECIAL GEOTECHNICAL INTEREST

1) Moderately and Highly Plastic Clays: Moderately and highly plastic clays (PI > 16) and/or soils with more than 50% passing a 200 sieve were encountered on the project at the following locations:

LINE	STATIONS	OFFSETS
-LWB-	31+75 to 39+38	LT to RT
-L-	16+75 to 20+25	LT to RT
-L-	23+75 to 26+25	LT to RT
-L-	46+75 to 50+25	LT to RT
-L-	50+75 to 54+25	LT to RT
-L-	86+75 to 89+25	LT to RT
-L-	100+75 to 104+25	LT to RT

-Y1-	12+25 to 26+75	LT to RT
-Y1-	49+25 to 51+75	LT to RT
-Y1A-	13+25 to 16+25	LT to RT
-Y1RPA-	15+25 to 19+25	LT to RT
-Y1RPD-	15+25 to 20+75	LT to RT
-Y2-	50+25 to 67+75	LT to RT
-Y2-	74+75 to 78+75	LT to RT
-Y3-	18+25 to 21+40	LT to RT
-Y7-	23+75 to 29+75	LT to RT
-Y7-	54+25 to 57+75	LT to RT
-Y7-	60+25 to 64+25	LT to RT
-Y7-	87+75 to 96+25	LT to RT
-DET1-	21+25 to 21+75	LT to RT
-DET1-	22+75 to 25+75	LT to RT
-DET1-	35+25 to 36+75	LT to RT
-DET1-	37+25 to 40+40	LT to RT
-DET2-	14+75 to 19+25	LT to RT
-DET2-	28+25 to 38+51	LT to RT

2) Groundwater: The following areas exhibit a high water table, seasonal high groundwater or the potential for groundwater related construction problems:

LINE	STATIONS	OFFSETS
-LWB-	18+25 to 34+75	LT AND RT
-L-	10+00 to 87+50	LT AND RT
-L-	89+75 to 92+25	LT AND RT
-L-	95+75 to 103+75	LT AND RT
-Y1-	11+00 to 27+75	LT AND RT
-Y1-	48+25 to 52+00	LT AND RT
-Y1RPA-	18+50 to 19+75	LT AND RT
-Y1RPC-	18+00 to 21+75	LT AND RT
-Y1RPD-	19+50 to 22+75	LT AND RT
-Y1A-	11+97 to 16+25	LT AND RT
-Y2-	28+10 to 31+25	LT AND RT
-Y2-	52+75 to 57+75	LT AND RT
-Y2-	62+25 to 78+75	LT AND RT
-Y3-	13+40 to 16+75	LT AND RT
-Y3-	18+25 to 21+25	LT AND RT
-Y7-	10+25 to 96+25	LT AND RT
-DET1-	21+75 to 25+40	LT AND RT
-DET1-	26+70 to 29+25	LT AND RT
-DET1-	35+25 to 40+35	LT AND RT
-DET2-	12+25 to 23+75	LT AND RT
-DET2-	26+25 to 27+75	LT AND RT
-DET2-	32+25 to 38+75	LT AND RT

3) Alluvial Soil: Alluvial soil was encountered on the project at the following locations:

LINE	STATIONS	OFFSETS
-Y2-	27+00 to 29+00	LT, RT
-DET2-	27+50 to 28+50	LT, RT

4) Organic Soil: Organic soils were encountered on the project at the following locations:

LINE	STATIONS	OFFSETS
-Y1-	29+50 to 35+50	RT
-Y1-	23+50 to 23+50	LT, RT
-Y2-	28+25 to 30+50	RT
-Y2-	55+00 to 56+50	RT
-Y2-	59+50 to 60+75	LT
-Y2-	61+75 to 67+75	LT
-Y7-	12+25 to 21+50	LT, RT
-Y7-	24+75 to 27+25	RT
-Y7-	33+00 to 40+00	LT, RT
-Y7-	65+50 to 74+50	LT, RT
-Y7-	80+75 to 83+00	LT, RT
-Y7-	84+50 to 93+00	LT, RT

5) Artificial Fill: Artificial fill was encountered on the project at the following locations:

LINE	STATIONS	OFFSETS
-Y1-	48+70 to 49+60	LT
-Y1RPC-	27+00 to 30+30	LT AND RT
-DET1-	18+00 to 21+80	LT AND RT

Prepared by,
KLEINFELDER, INC.
NC License No. F-1312

F. Christopher Driscoll, PG
Staff Professional

Thomas R. Wells, PE
Senior Professional

FCD/TRW:cas

Bulk and Undisturbed Samples

Sample No.	Alignment	STA.	Offset	Depth (ft)	Tests Performed
ST-1	-Y1-	37+04	15’ LT	15.0-17.0	N/A
ST-2	-Y1-	39+54	15’ RT	10.0-12.0	Consolidation, CU Triaxial
ST-3	-Y1-	42+62	43’ RT	10.0-12.1	Consolidation, CU Triaxial
ST-4	-Y1RPA-	28+00	CL	5.0-7.0	Consolidation, CU Triaxial
ST-5	-Y1RPC-	28+00	CL	10.0-12.0	Consolidation, CU Triaxial
ST-6	-Y2-	35+90	3’ RT	5.0-7.0	Consolidation, CU Triaxial

PROJECT REFERENCE NO.	SHEET NO.
R-5819/R-5820	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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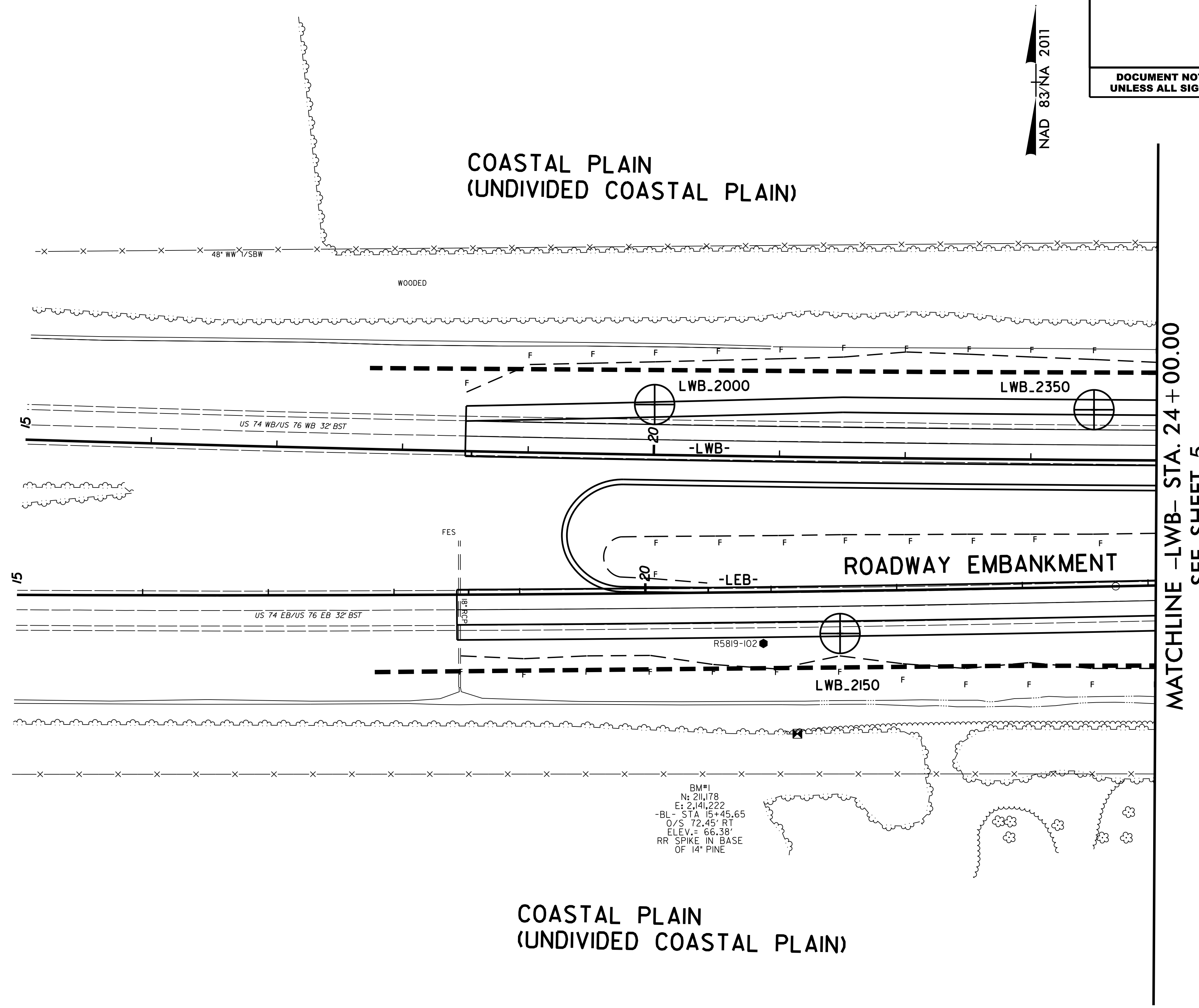

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TWells AT KA211387

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PROJECT REFERENCE NO.	SHEET NO.
R-5819/R-5820	5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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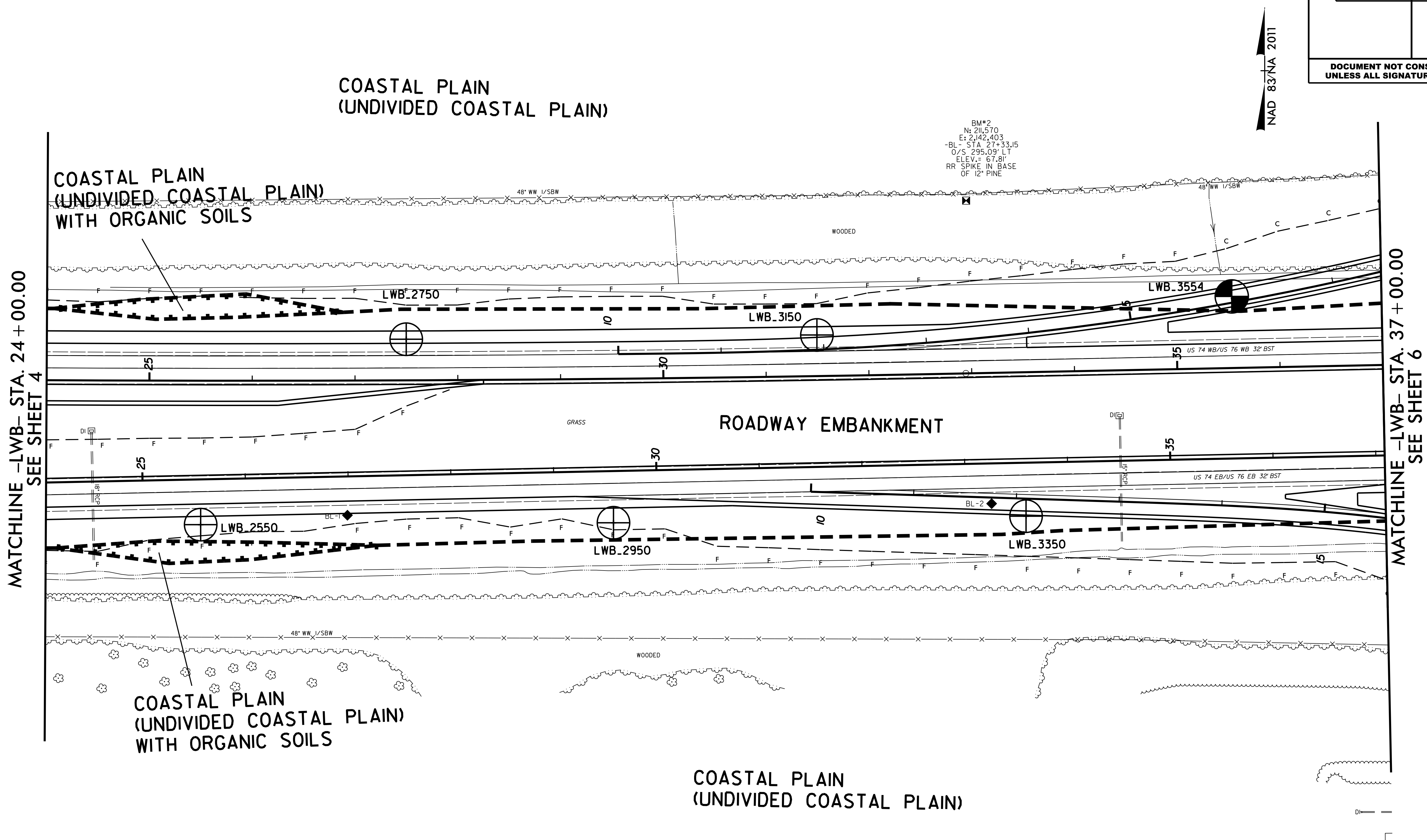

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PROJECT REFERENCE NO.	SHEET NO.
R-5819 /R-5820	6
RW SHEET NO.	

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ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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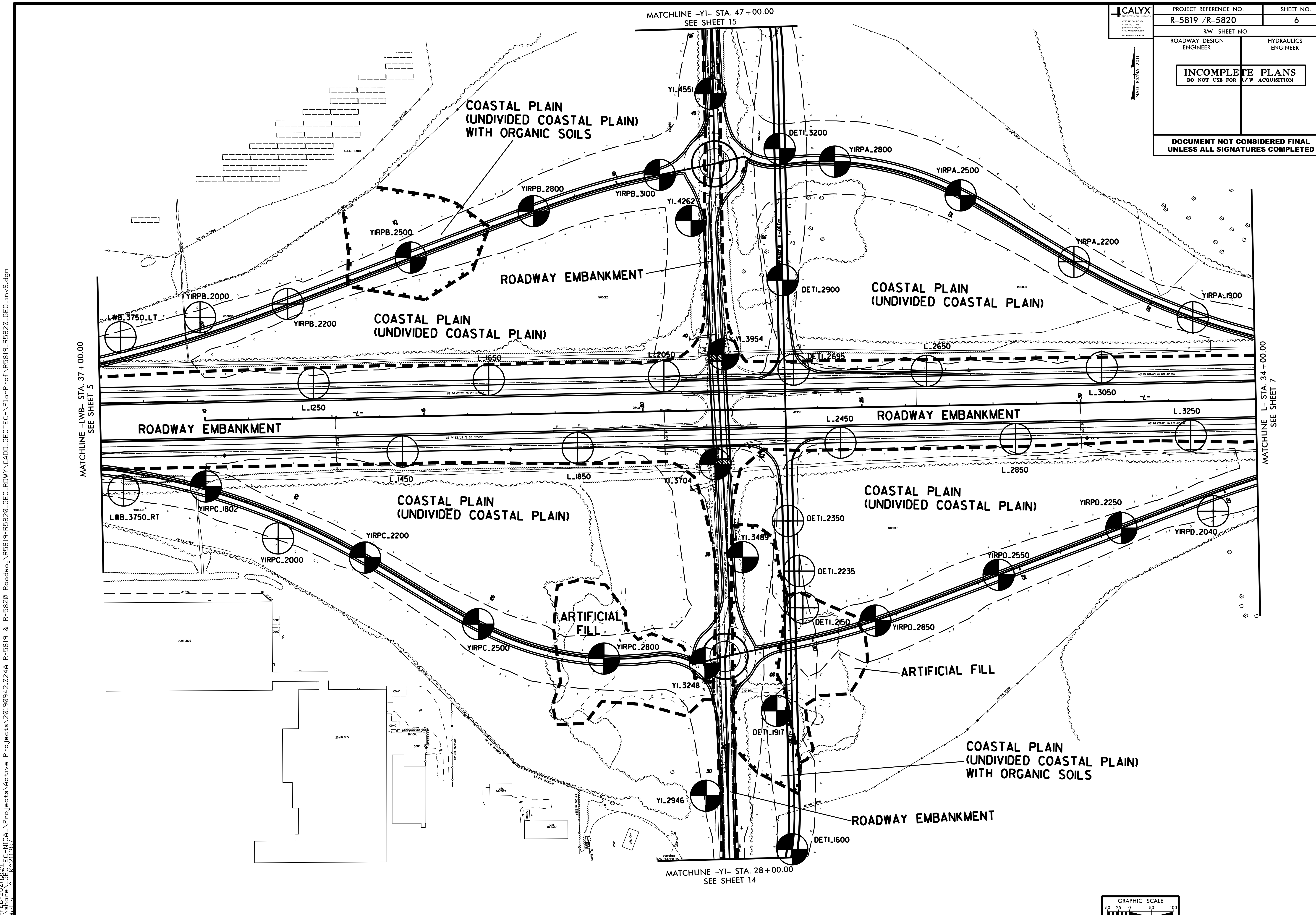

MATCHLINE -Y1- STA. 47+00.00
SEE SHEET 15
COASTAL PLAIN
(UNDIVIDED COASTAL PLAIN)
WITH ORGANIC SOILS
Y1_4551
DETI_3200
YIRPA_2800
YIRPA_2500
YIRPB_2800
YIRPB_3100
Y1_4262
YIRPB_2500
ROADWAY EMBANKMENT
DETI_2900
YIRPA_2200
COASTAL PLAIN
(UNDIVIDED COASTAL PLAIN)
YIRPA_1900
LWB_3750_LT
YIRPB_2000
YIRPB_2200
COASTAL PLAIN
(UNDIVIDED COASTAL PLAIN)
Y1_3954
L_2650
L_2050
DETI_2695
L_1650
L_3050
L_1250
L_2450
ROADWAY EMBANKMENT
L_3250
ROADWAY EMBANKMENT
MATCHLINE -LWB- STA. 37+00.00
SEE SHEET 5
MATCHLINE -L- STA. 34+00.00
SEE SHEET 7
L_1450
L_1850
L_2850
Y1_3704
COASTAL PLAIN
(UNDIVIDED COASTAL PLAIN)
COASTAL PLAIN
(UNDIVIDED COASTAL PLAIN)
LWB_3750_RT
YIRPC_1802
DETI_2350
YIRPD_2250
YIRPC_2200
Y1_3489
YIRPD_2040
YIRPC_2000
DETI_2235
YIRPD_2550
ARTIFICIAL
FILL
DETI_2150
YIRPD_2850
YIRPC_2500
YIRPC_2800
ARTIFICIAL FILL
Y1_3248
DETI_1917
COASTAL PLAIN
(UNDIVIDED COASTAL PLAIN)
WITH ORGANIC SOILS
Y1_2946
ROADWAY EMBANKMENT
DETI_1600
MATCHLINE -Y1- STA. 28+00.00
SEE SHEET 14
GRAPHIC SCALE
50 25 0 50 100
PLANS

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PROJECT REFERENCE NO.	SHEET NO.
R-5819/R-5820	7
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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NAD 83/NA 2011

COASTAL PLAIN
(UNDIVIDED COASTAL PLAIN)

BM#6
N: 211,624
E: 2,145,833
-BL- STA. 61+65.86
O/S 276.47' LT
ELEV.= 61.04'
RR SPIKE IN BASE
OF 21" PINE

WOODED

48" WW I/SBW

L_3460_LT

L_3650

ALLUVIAL

L_4260

L_4050

WOODED

MATCHLINE -L- STA. 34+00.00
SEE SHEET

-L-

ROADWAY EMBANKMENT

L_4450

L_3850

L_3450_RT

WOODED

48" WW I/SBW

48" WW I/SBW

COASTAL PLAIN
(UNDIVIDED COASTAL PLAIN)

MATCHLINE -L- STA. 45+00.00
SEE SHEET 8

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PROJECT REFERENCE NO.	SHEET NO.
R-5819/R-5820	8

RW SHEET NO.

ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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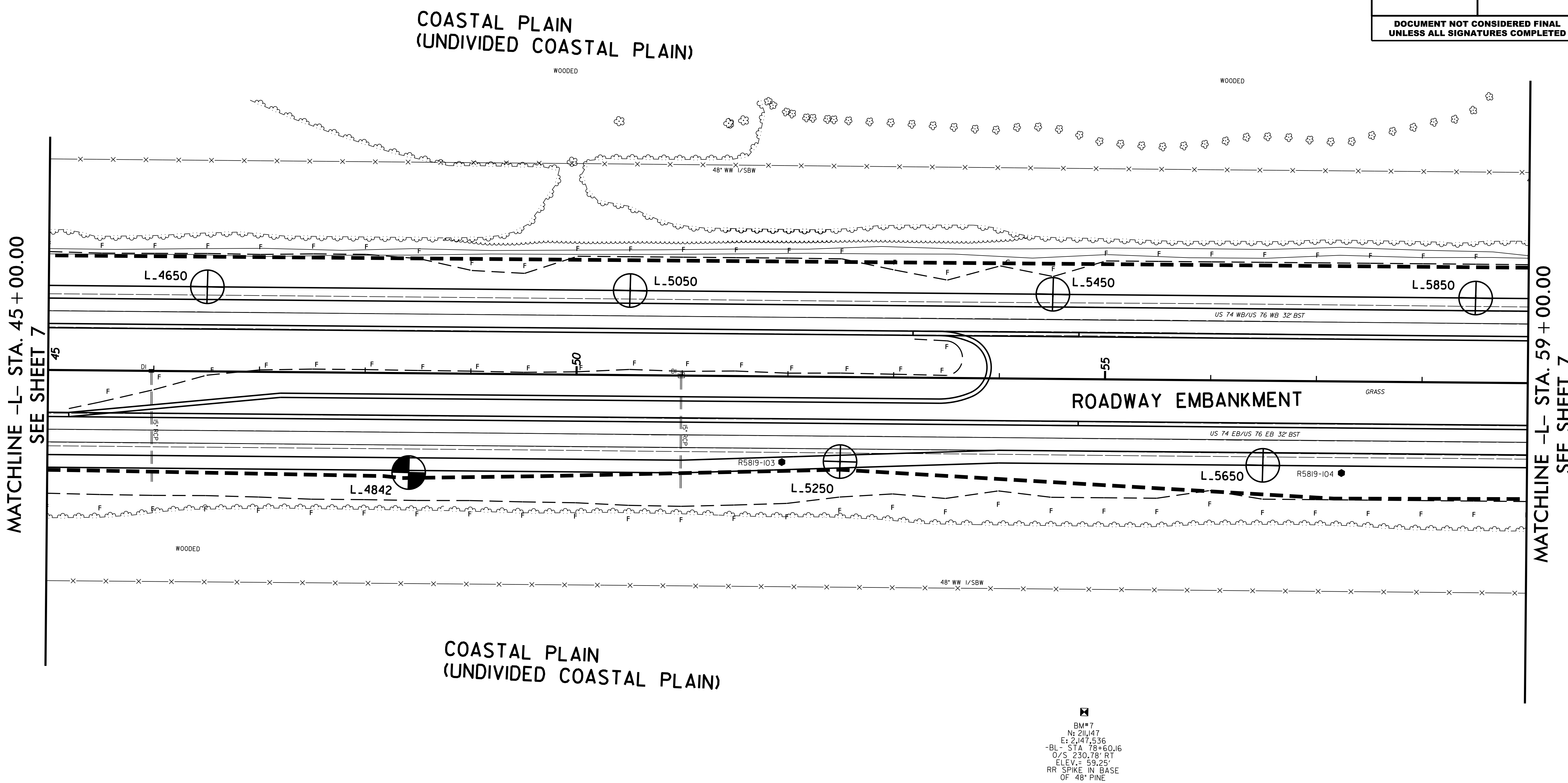

COASTAL PLAIN
(UNDIVIDED COASTAL PLAIN)
WOODED
48" WW I/SBW
L_4650
L_5050
L_5450
L_5850
US 74 WB/US 76 WB 32' BST
ROADWAY EMBANKMENT
GRASS
US 74 EB/US 76 EB 32' BST
R5819-103
R5819-104
L_4842
L_5250
L_5650
MATCHLINE -L- STA. 45+00.00
SEE SHEET 7
MATCHLINE -L- STA. 59+00.00
SEE SHEET 7
45
50
55
COASTAL PLAIN
(UNDIVIDED COASTAL PLAIN)
BM#7
N: 211,147
E: 2,147,536
-BL- STA 78+60.16
O/S 230.78' RT
ELEV.= 59.25'
RR SPIKE IN BASE
OF 48" PINE

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PROJECT REFERENCE NO.	SHEET NO.
R-5819/R-5820	9
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

INCOMPLETE PLANS
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NAD 83/NA 2011

COASTAL PLAIN
(UNDIVIDED COASTAL PLAIN)

8" WW I/SBW

ALLUVIAL

WOODED

L_6258

L_6650

L_7050

60

65

-L-

70

DI

DI

ROADWAY EMBANKMENT

15" RCP

15" RCP

MATCHLINE -L- STA. 59 + 00.00
SEE SHEET 8

L_6050

BL-9

L_6450

L_6850

WOODED

48" WW I/SBW

MATCHLINE -L- STA. 72 + 00.00
SEE SHEET 10

COASTAL PLAIN
(UNDIVIDED COASTAL PLAIN)

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Wells, Eli

PROJECT REFERENCE NO.	SHEET NO.
R-5819/R-5820	10
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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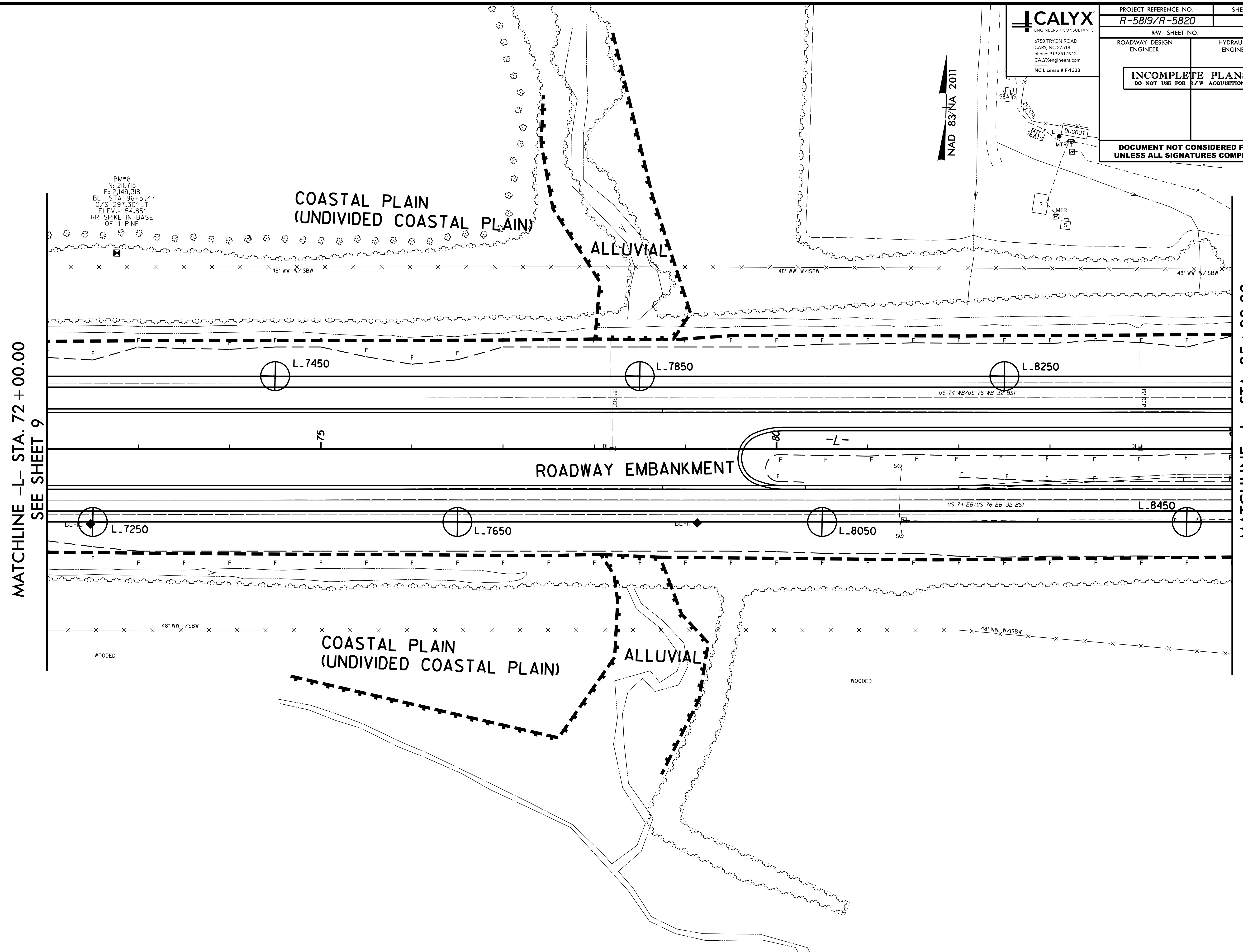

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phone: 919.851.1912
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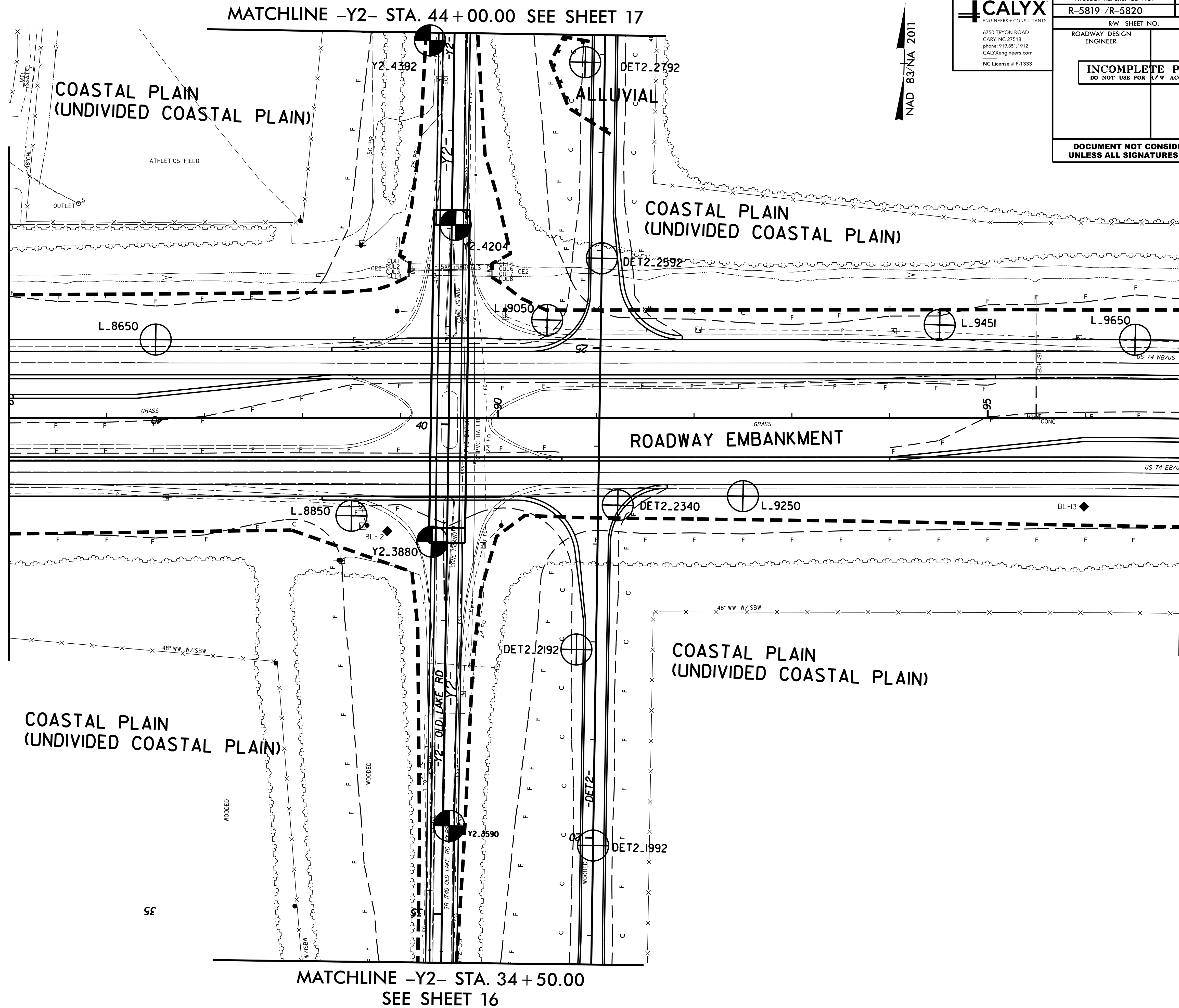
NC License # F-1333

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED


MATCHLINE -Y2- STA. 44+00.00 SEE SHEET 17
MATCHLINE -Y2- STA. 34+50.00
SEE SHEET 16
MATCHLINE -L- STA. 85+00.00
SEE SHEET 10
MATCHLINE -L- STA. 97+00.00
SEE SHEET 12
NAD 83/NA 2011
COASTAL PLAIN
(UNDIVIDED COASTAL PLAIN)
ALLUVIAL
ROADWAY EMBANKMENT
ATHLETICS FIELD
OUTLET
GRASS
WOODED
Y2_4392
Y2_4204
Y2_3880
Y2_3590
DET2_2792
DET2_2592
DET2_2340
DET2_2192
DET2_1992
L_8650
L_8850
L_9050
L_9250
L_9451
L_9650
BL-12
BL-13
-Y2-
-Y2- OLD LAKE RD
-DET2-
US 74 WB/US 76
US 74 EB/US
48" WW W/ISBW

8/17/99

CALYX
ENGINEERS + CONSULTANTS
6750 TRYON ROAD
CARY, NC 27518
phone: 919.851.1912
CALYXengineers.com
NC License # F-1333

PROJECT REFERENCE NO.	SHEET NO.
R-5819/R-5820	12
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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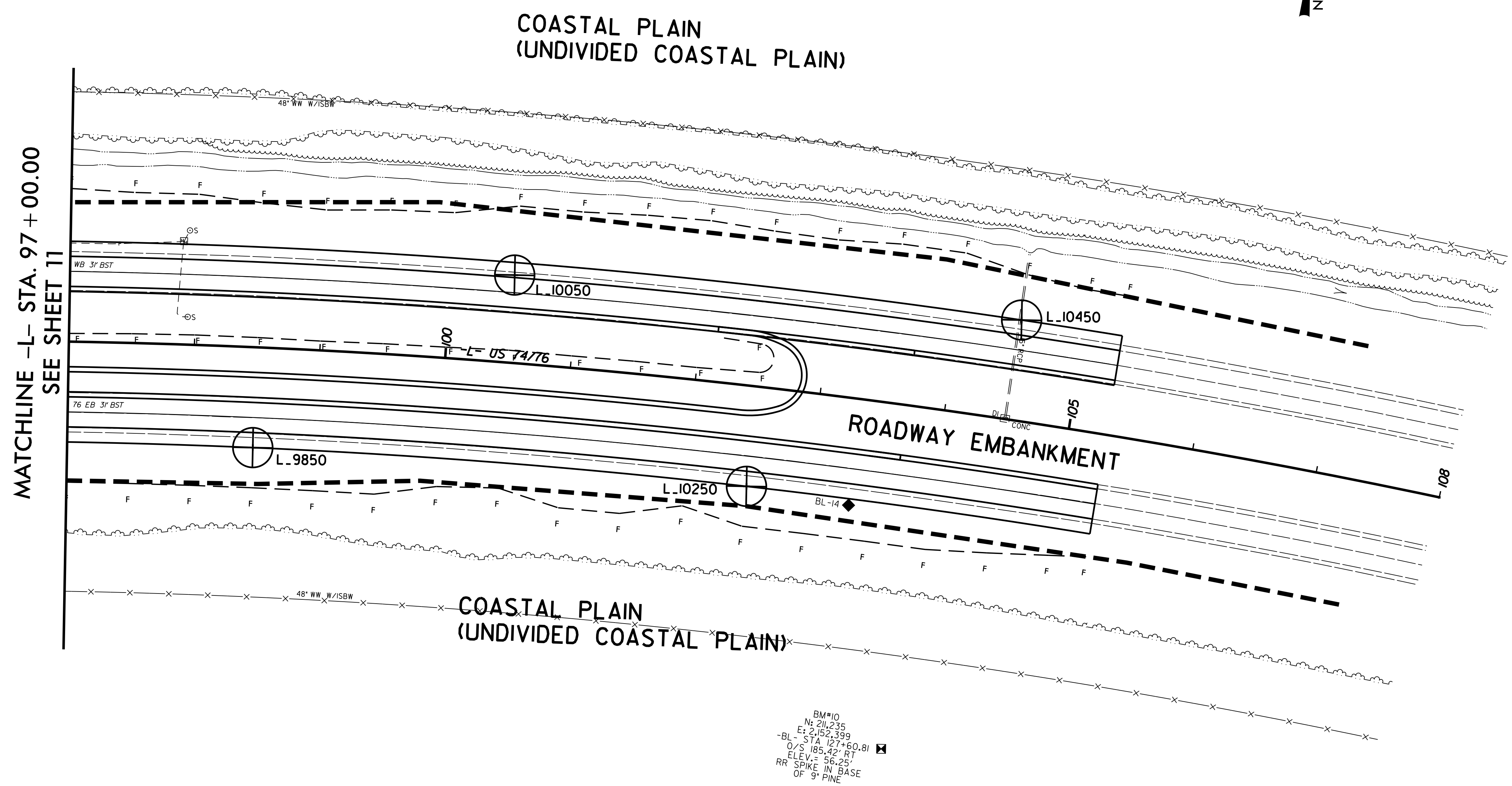
NAD 83/NA 2011



8/17/99

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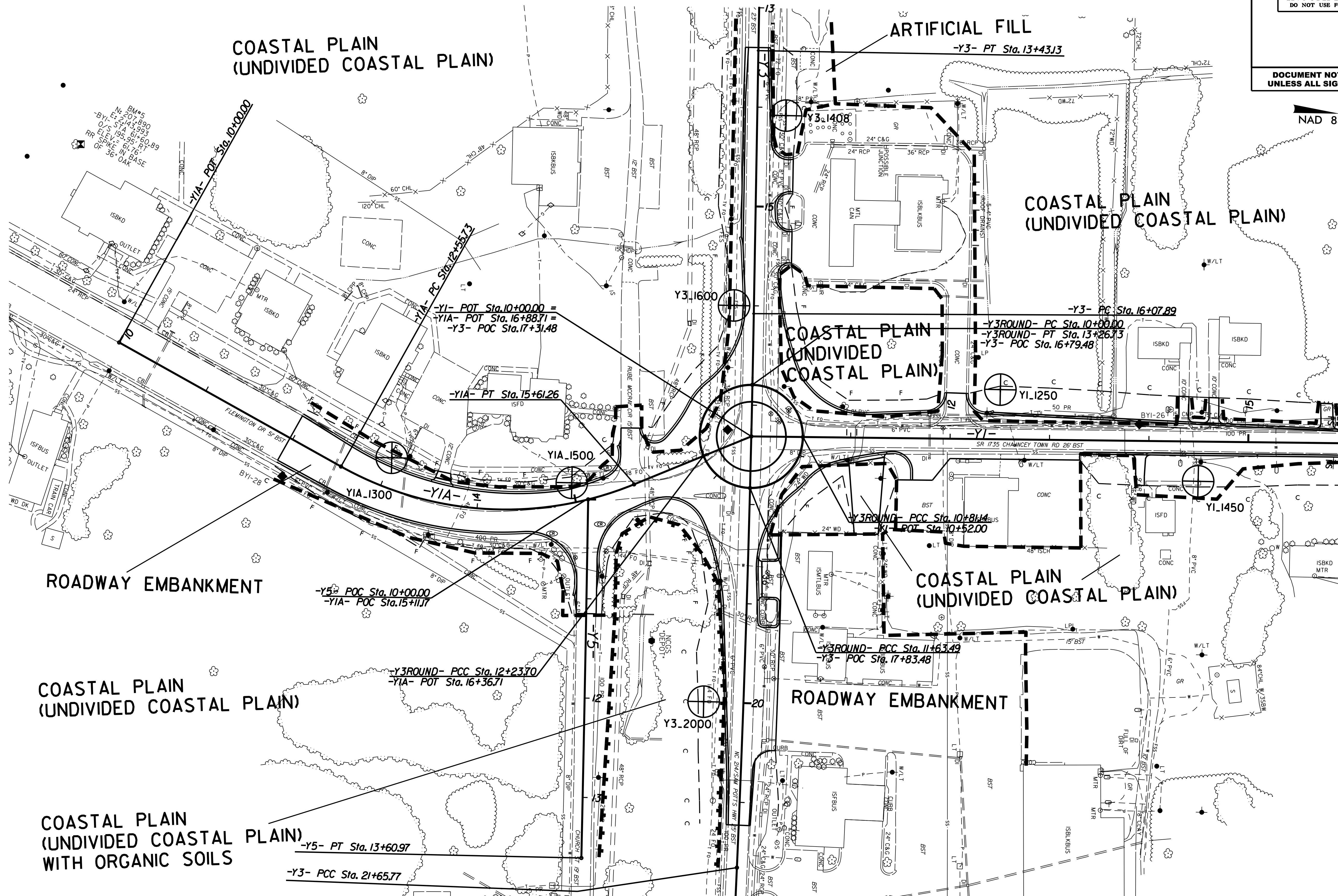
PROJECT REFERENCE NO.	SHEET NO.
R-5819/R-5820	13
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



8/17/99

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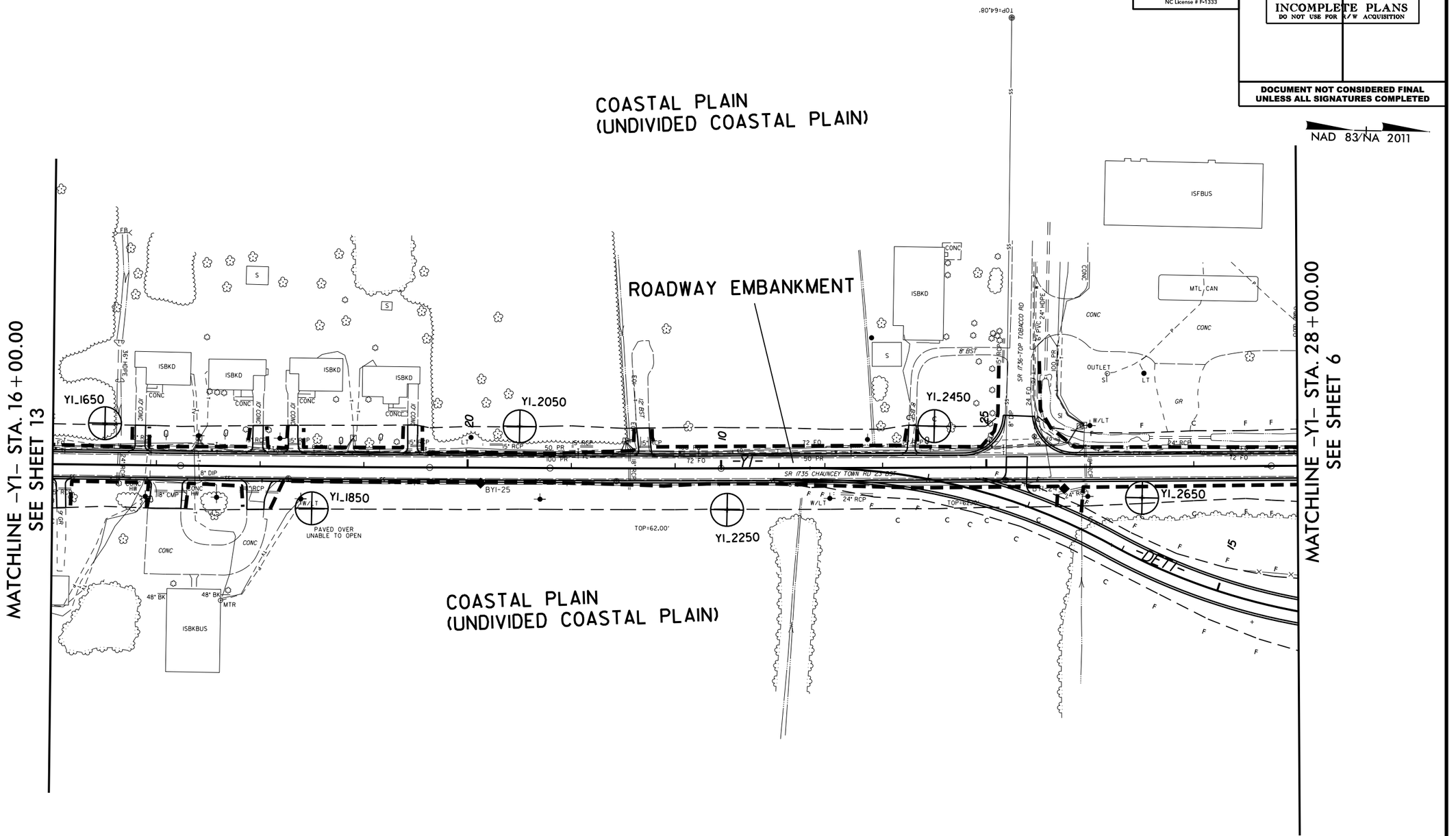
PROJECT REFERENCE NO.	SHEET NO.
R-5819/R-5820	14
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83/NA 2011



BM#4
N: 209,571
E: 2,144,683
-BYI- STA 43+34.75
O/S 405.00' LT
ELEV.= 63.28'
RR SPIKE IN BASE
OF 48" PINE

8/17/99

15-FEB-2021 15:55
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Wells, Al Kazim

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6750 TRYON ROAD
CARY, NC 27518
phone: 919.851.1912
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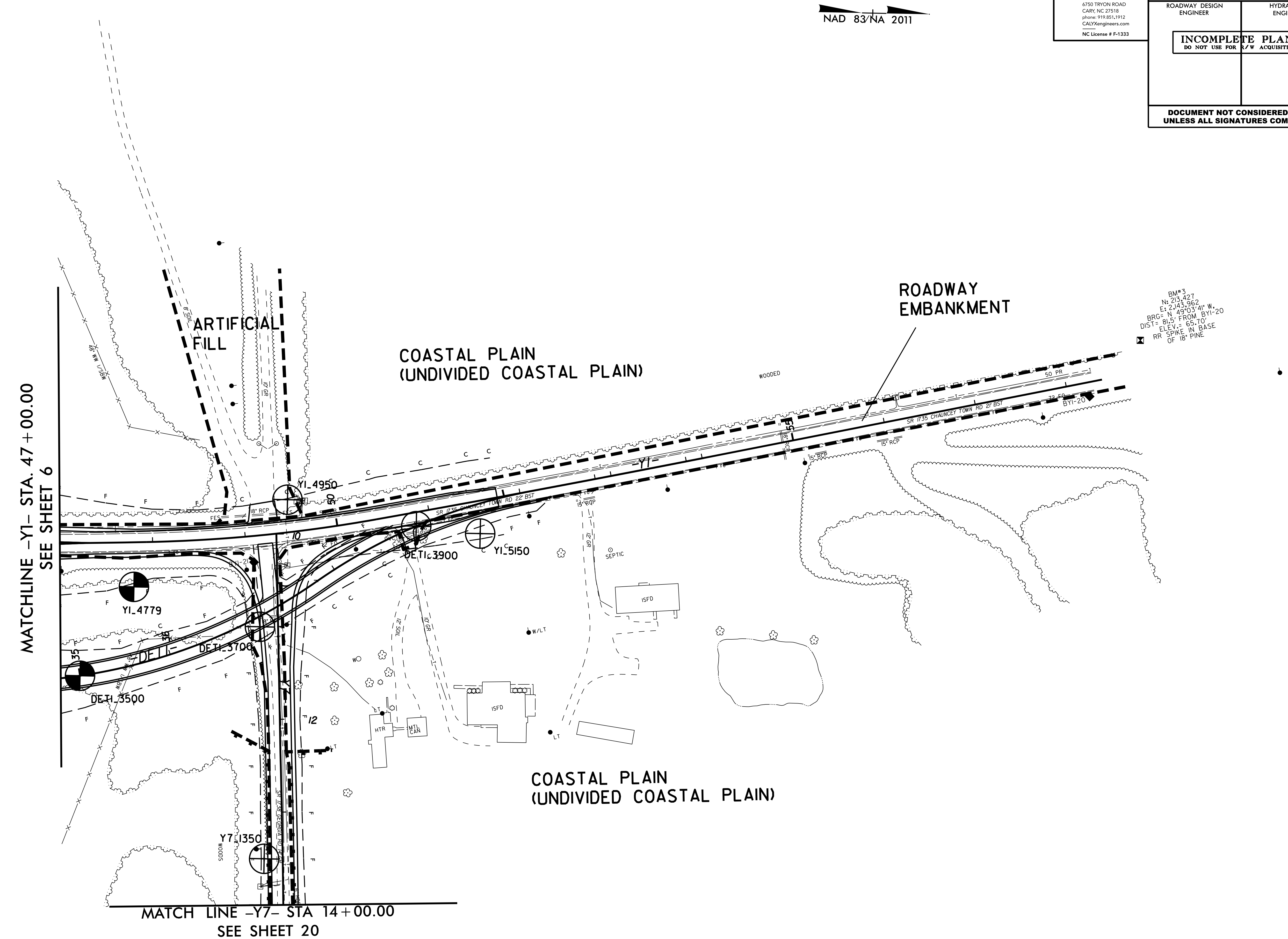
PROJECT REFERENCE NO.	SHEET NO.
R-5819 /R-5820	15
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



8/17/99

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CARY, NC 27518
phone: 919.851.1912
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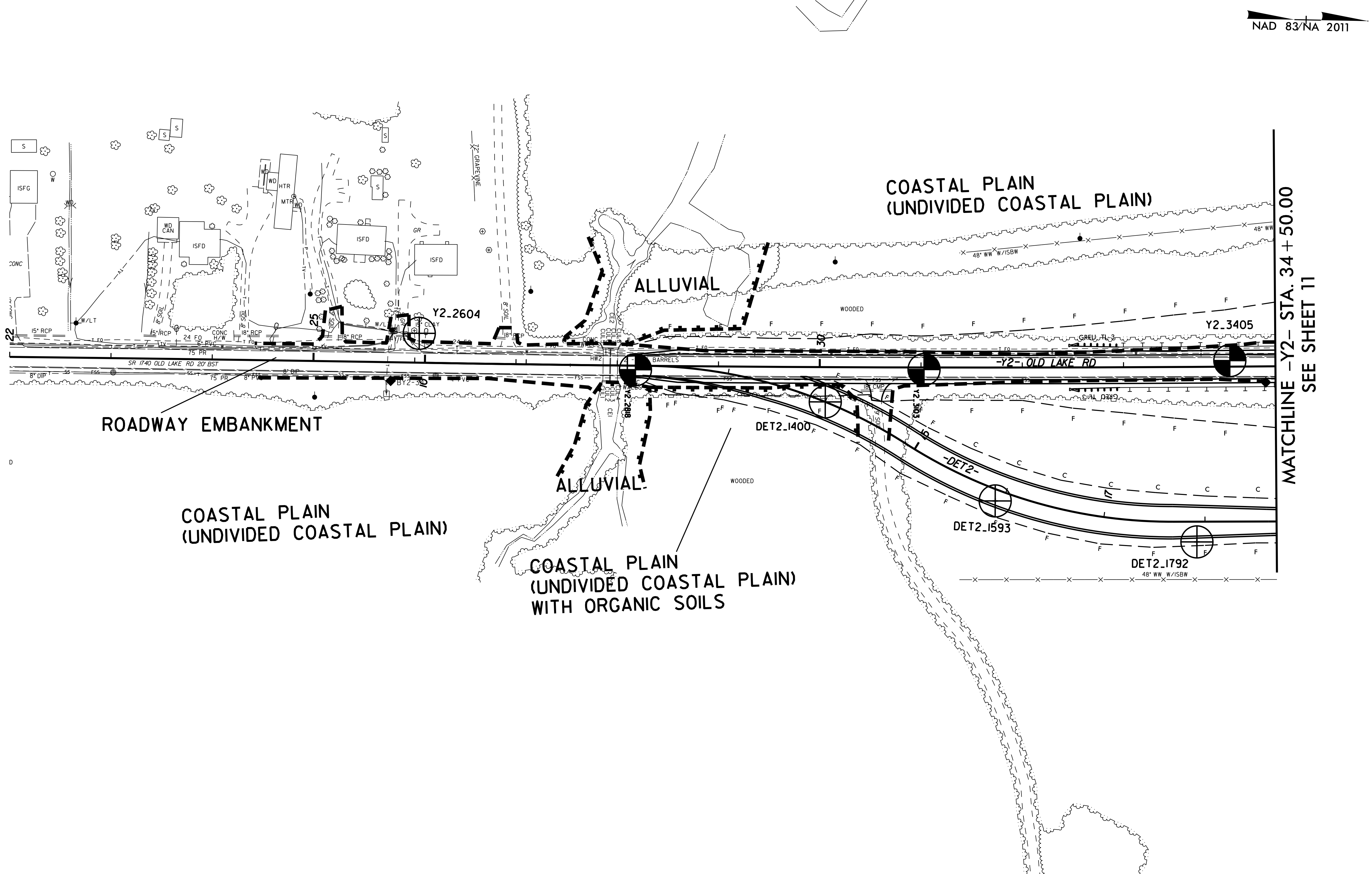
PROJECT REFERENCE NO.	SHEET NO.
R-5819 /R-5820	16
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

8/17/99



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CARY, NC 27518
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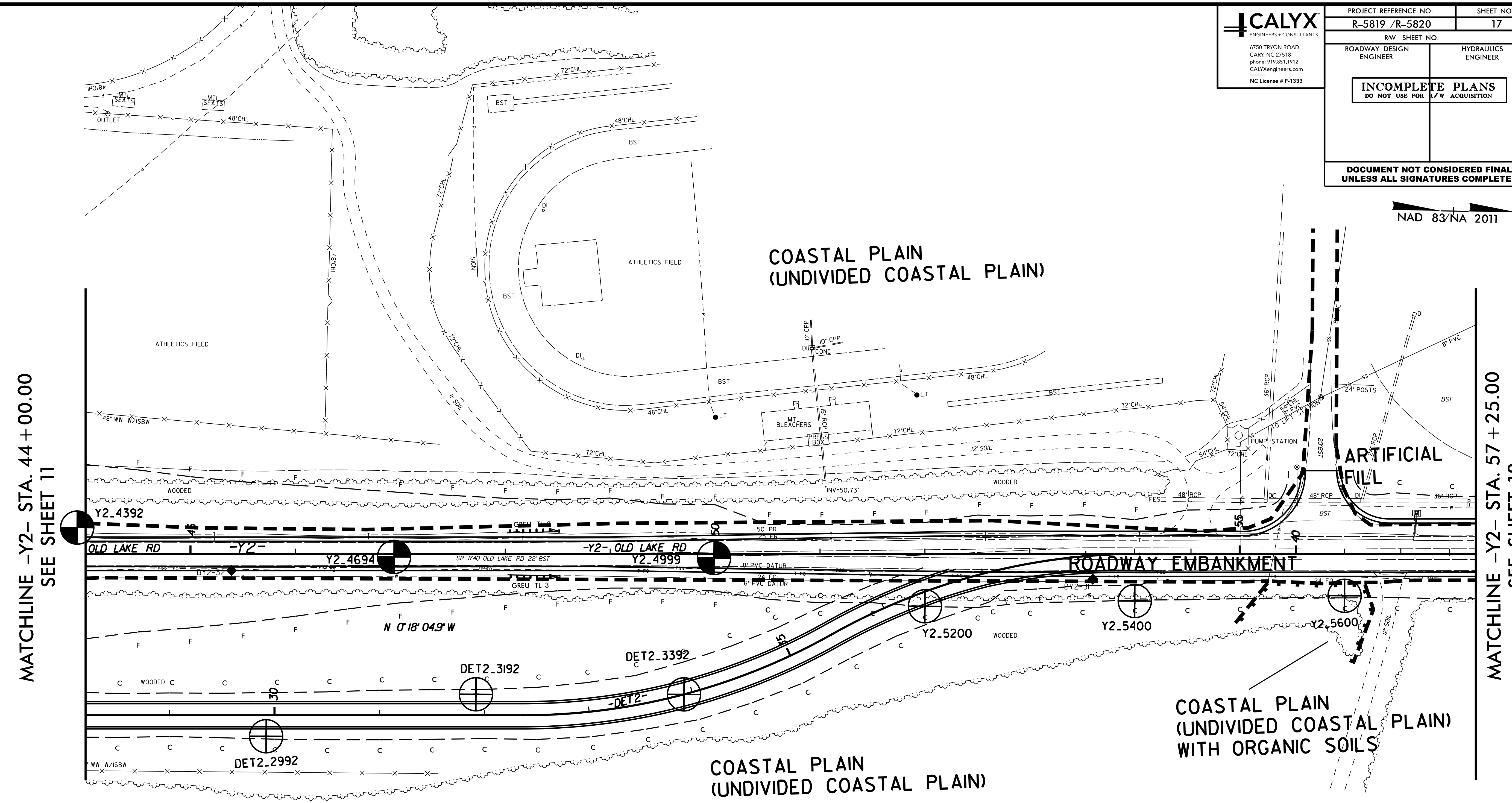
NC License # F-1333

PROJECT REFERENCE NO.	SHEET NO.
R-5819 /R-5820	17
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



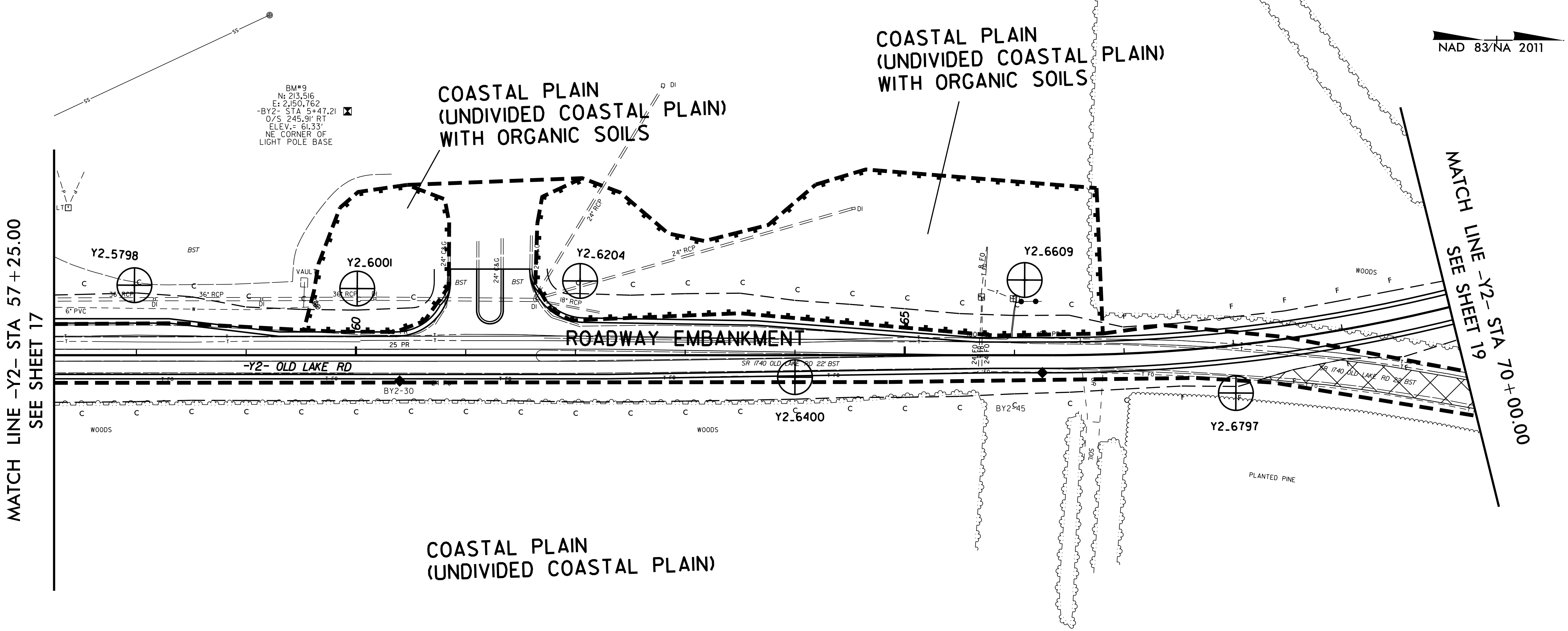
8/17/99

15-FEB-2021 15:55

PROJECT REFERENCE NO.	SHEET NO.
R-5819 /R-5820	18
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



ARTIFICIAL FILL
NAD 83/NA 2011
BM#9
N: 213,516
E: 2,150,762
-BY2- STA 5+47.21
O/S 245.91' RT
ELEV.= 61.33'
NE CORNER OF
LIGHT POLE BASE
COASTAL PLAIN (UNDIVIDED COASTAL PLAIN) WITH ORGANIC SOILS
COASTAL PLAIN (UNDIVIDED COASTAL PLAIN) WITH ORGANIC SOILS
MATCH LINE -Y2- STA 57+25.00 SEE SHEET 17
MATCH LINE -Y2- STA 70+00.00 SEE SHEET 19
Y2_5798
Y2_6001
Y2_6204
Y2_6609
Y2_6400
Y2_6797
ROADWAY EMBANKMENT
-Y2- OLD LAKE RD
SR 1740 OLD LAKE RD 22' BST
BY2-30
BY2-45
WOODS
PLANTED PINE
COASTAL PLAIN (UNDIVIDED COASTAL PLAIN)

8/17/99

15-FEB-2021 15:55
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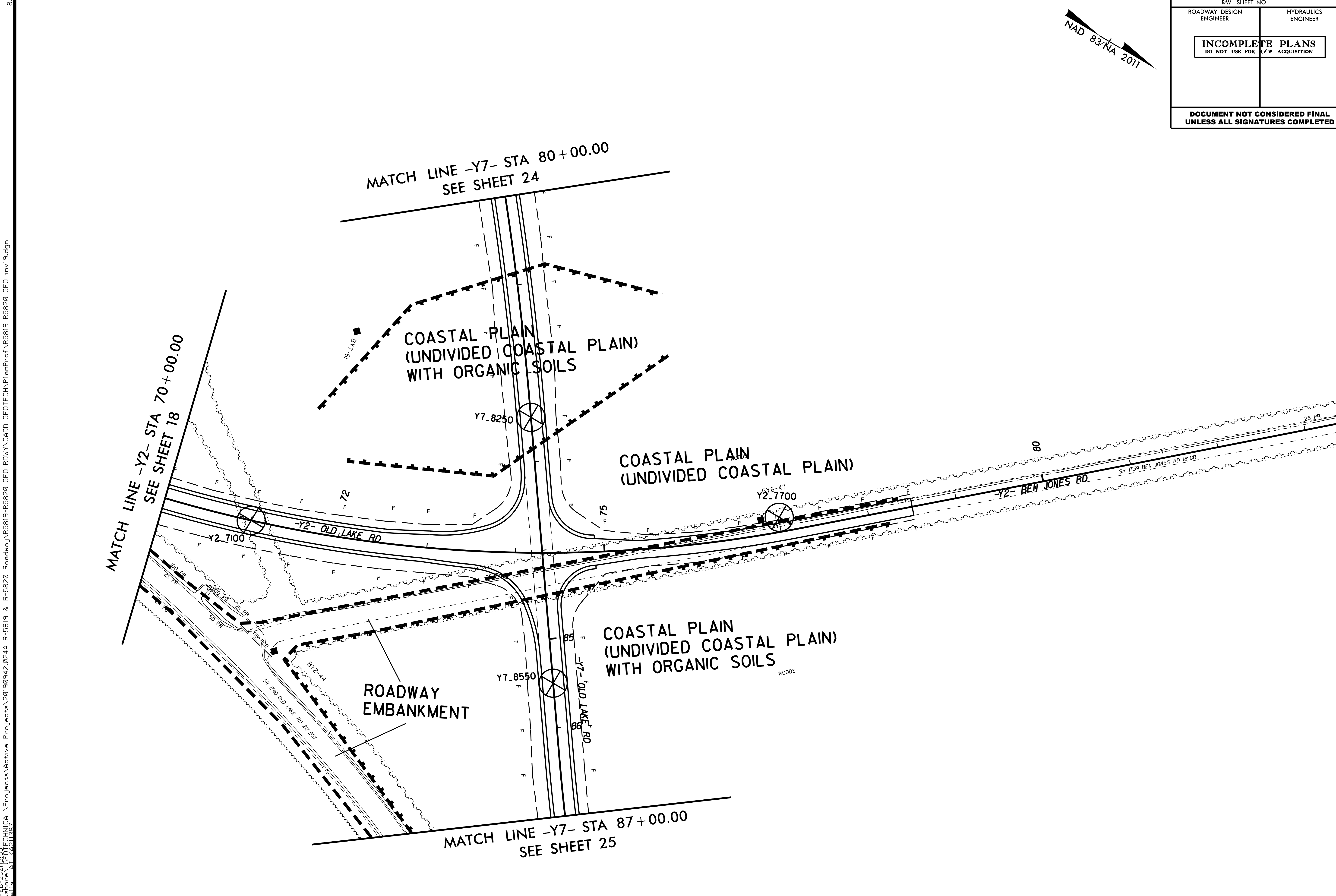
TWells AT KA211387

PROJECT REFERENCE NO.	SHEET NO.
R-5819 /R-5820	19
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



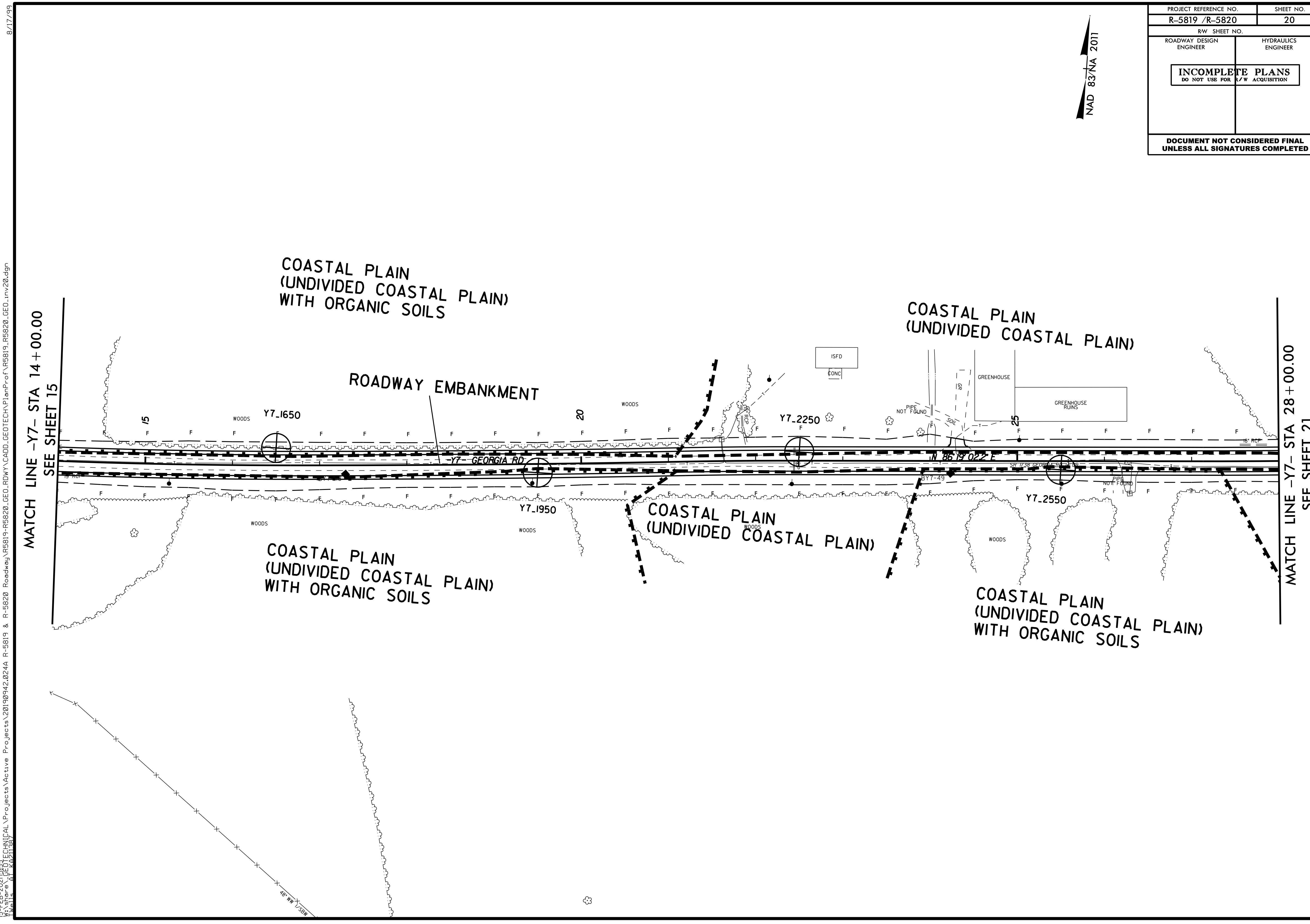
NAD 83/NA 2011
MATCH LINE -Y7- STA 80+00.00
SEE SHEET 24
MATCH LINE -Y2- STA 70+00.00
SEE SHEET 18
COASTAL PLAIN
(UNDIVIDED COASTAL PLAIN)
WITH ORGANIC SOILS
COASTAL PLAIN
(UNDIVIDED COASTAL PLAIN)
COASTAL PLAIN
(UNDIVIDED COASTAL PLAIN)
WITH ORGANIC SOILS
ROADWAY
EMBANKMENT
Y7_8250
Y7_8550
Y2_7100
Y2_7700
-Y2- OLD LAKE RD
-Y2- BEN JONES RD
-Y7- OLD LAKE RD
SR 1739 BEN JONES RD 18' GR
SR 1740 OLD LAKE RD 22' BST
WOODS
MATCH LINE -Y7- STA 87+00.00
SEE SHEET 25

15-FEB-2021 15:55
R:\GEOTECHNICAL\Projects\Active Projects\20190942.024A R-5819 & R-5820 Roadway\R5819-R5820_GEO_RDWY\CADD_GEOTECH\PlanProf\R5819_R5820_GEO_inv19.dgn
8/17/99

PROJECT REFERENCE NO.	SHEET NO.
R-5819 /R-5820	20
RW 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/NA 2011
MATCH LINE -Y7- STA 14+00.00
SEE SHEET 15
MATCH LINE -Y7- STA 28+00.00
SEE SHEET 21
COASTAL PLAIN
(UNDIVIDED COASTAL PLAIN)
WITH ORGANIC SOILS
ROADWAY EMBANKMENT
COASTAL PLAIN
(UNDIVIDED COASTAL PLAIN)
COASTAL PLAIN
(UNDIVIDED COASTAL PLAIN)
WITH ORGANIC SOILS
COASTAL PLAIN
(UNDIVIDED COASTAL PLAIN)
COASTAL PLAIN
(UNDIVIDED COASTAL PLAIN)
WITH ORGANIC SOILS
Y7_1650
Y7_1950
Y7_2250
Y7_2550
-Y7- GEORGIA RD
N 86 19 02.2 E
WOODS
ISFD
CONC
GREENHOUSE
GREENHOUSE RUINS
PIPE NOT FOUND
15
20
25

15-FEB-2021 15:55

PROJECT REFERENCE NO.	SHEET NO.
R-5819 /R-5820	21
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

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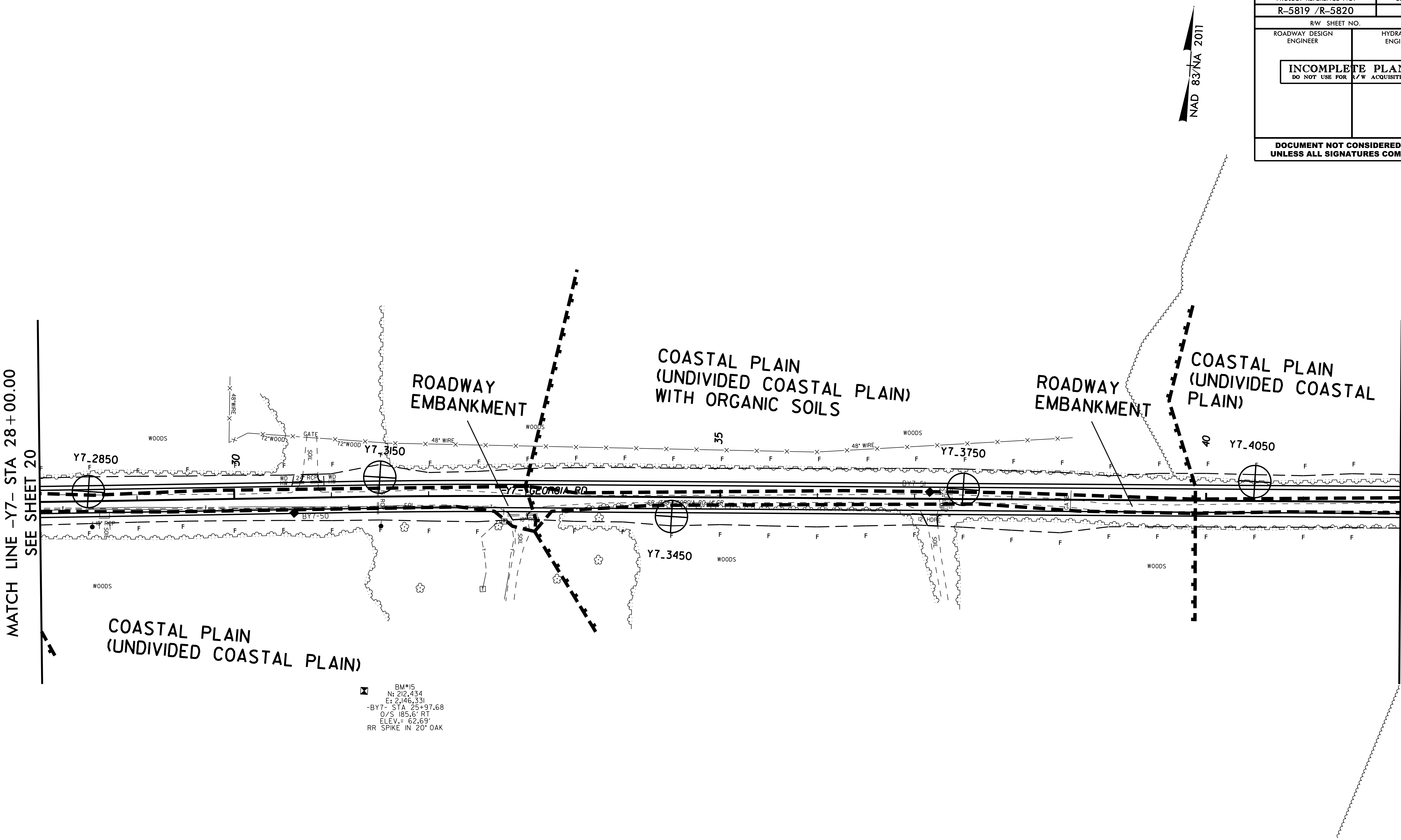
NAD 83/NA 2011
MATCH LINE -Y7- STA 28+00.00
SEE SHEET 20
MATCH LINE -Y7- STA 42+00.00
SEE SHEET 22
ROADWAY EMBANKMENT
COASTAL PLAIN
(UNDIVIDED COASTAL PLAIN)
WITH ORGANIC SOILS
ROADWAY EMBANKMENT
COASTAL PLAIN
(UNDIVIDED COASTAL PLAIN)
COASTAL PLAIN
(UNDIVIDED COASTAL PLAIN)
Y7_2850
Y7_3150
Y7_3450
Y7_3750
Y7_4050
WOODS
48" WIRE
GATE
-Y7- GEORGIA RD
BY7-50
30
35
40
BM#15
N: 212,434
E: 2,146,331
-BY7- STA 25+97.68
0/S 185.6' RT
ELEV.= 62.69'
RR SPIKE IN 20" OAK

8/17/99

15-FEB-2021 15:55
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PROJECT REFERENCE NO.	SHEET NO.
R-5819 /R-5820	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/NA 2011

COASTAL PLAIN
(UNDIVIDED COASTAL PLAIN)

MATCH LINE -Y7- STA 42+00.00
SEE SHEET 21

MATCH LINE -Y7- STA 56+00.00
SEE SHEET 23

PINE PLANTATION

PINE PLANTATION

PINE PLANTATION

ROADWAY EMBANKMENT

-Y7- GEORGIA RD

Y7_4350

Y7_4650

Y7_4950

Y7_5250

Y7_5550

BY7-52

BY7-53

BY7-54

45

50

55

8/17/99

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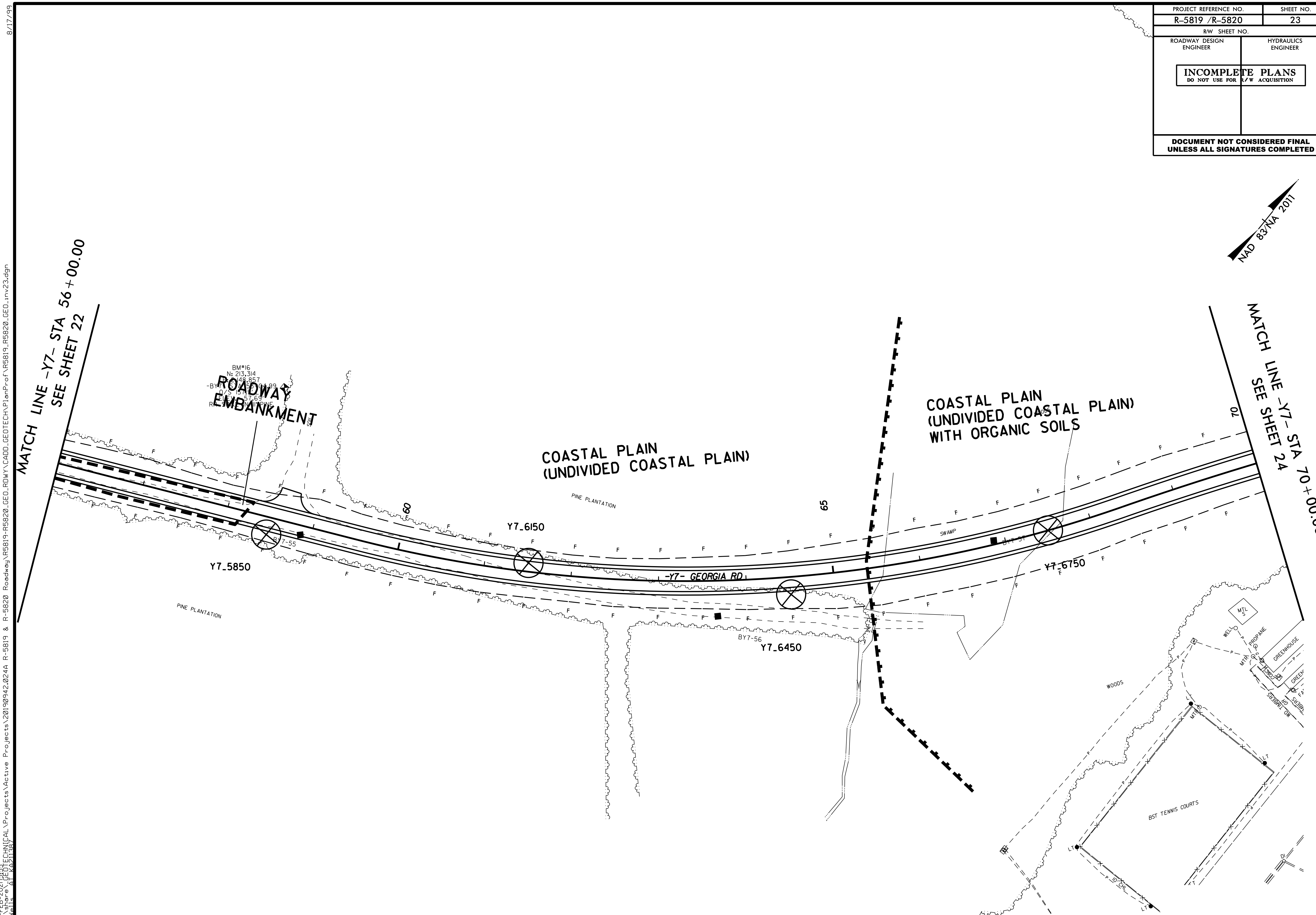
Watts, Kristin

PROJECT REFERENCE NO.	SHEET NO.
R-5819 /R-5820	23
RW 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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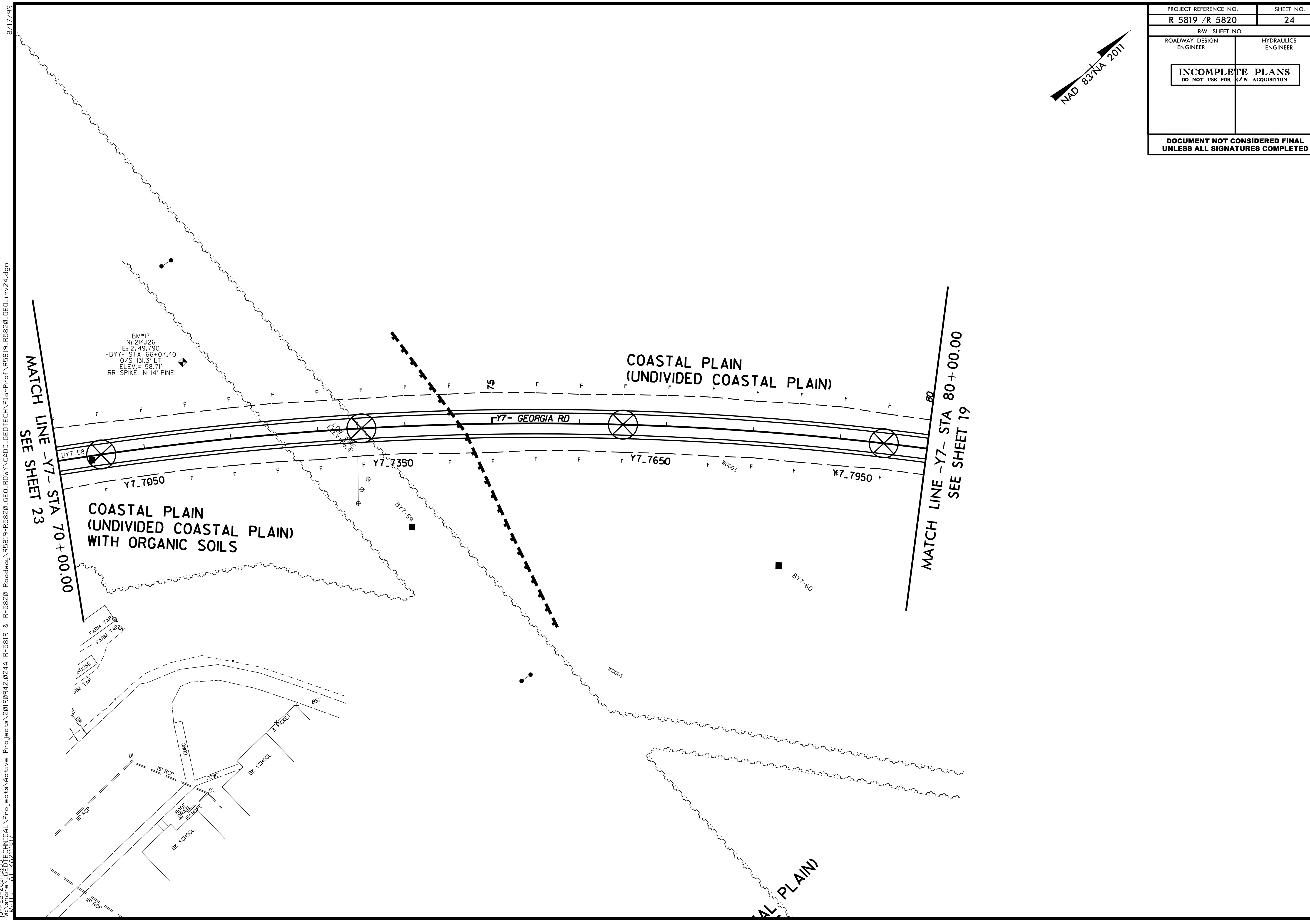
PROJECT REFERENCE NO.	SHEET NO.
R-5819 /R-5820	24
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



NAD 83/NA 2011
BM#17
N: 214,126
E: 2,149,790
-BY7- STA 66+07.40
O/S 131.3' LT
ELEV.= 58.71'
RR SPIKE IN 14" PINE
MATCH LINE -Y7- STA 70+00.00
SEE SHEET 23
COASTAL PLAIN
(UNDIVIDED COASTAL PLAIN)
COASTAL PLAIN
(UNDIVIDED COASTAL PLAIN)
WITH ORGANIC SOILS
-Y7- GEORGIA RD
75
80
BY7-58
BY7-59
BY7-60
Y7_7050
Y7_7350
Y7_7650
Y7_7950
WOODS
MATCH LINE -Y7- STA 80+00.00
SEE SHEET 19
FARM TAP
BK SCHOOL
3' PICKET
BST
CONC
15" RCP
18" RCP
PLAIN)

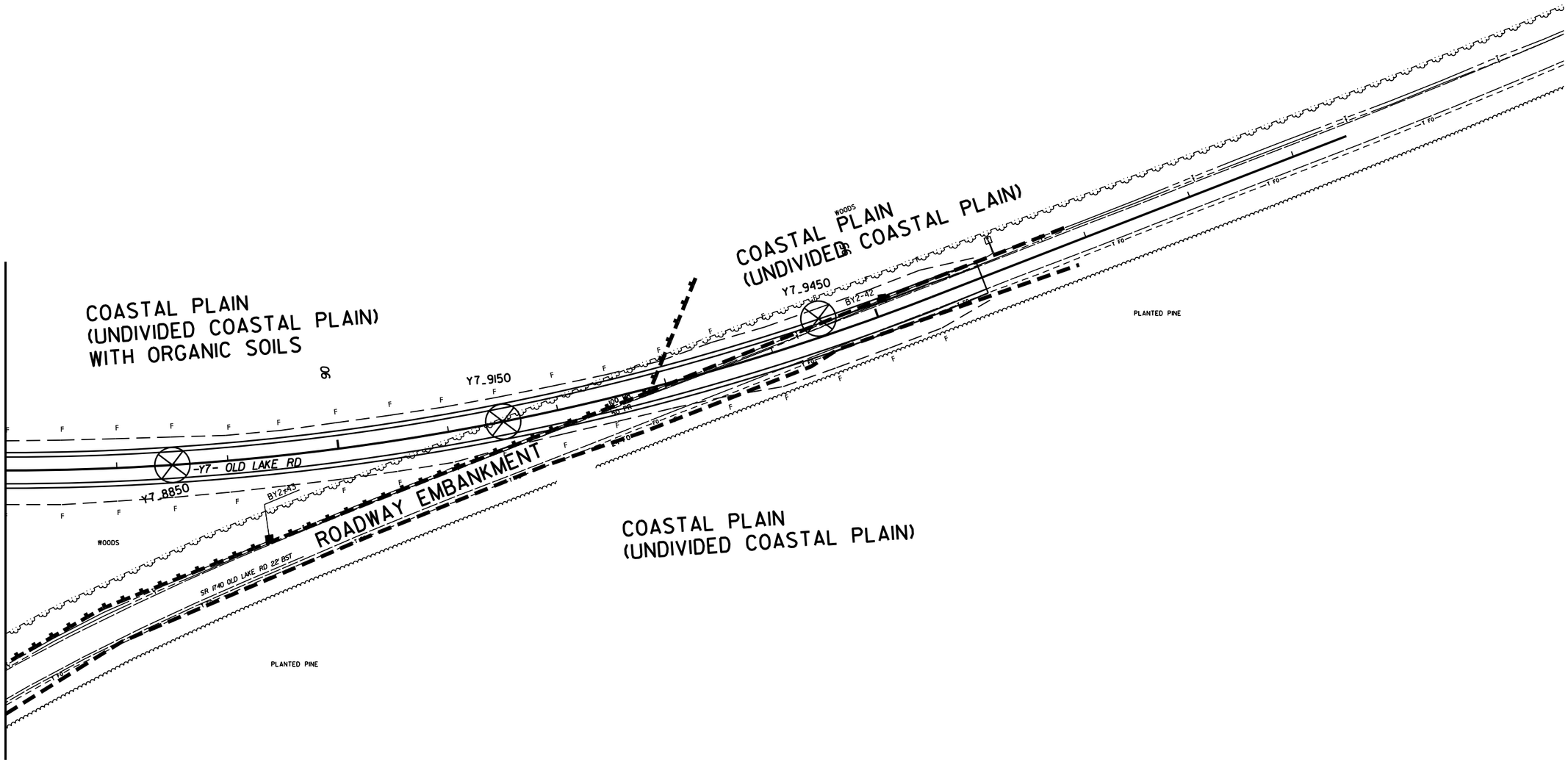
15-FEB-2021 15:55
8/17/99

PROJECT REFERENCE NO.	SHEET NO.
R-5819 /R-5820	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/NA 2011



8/17/99

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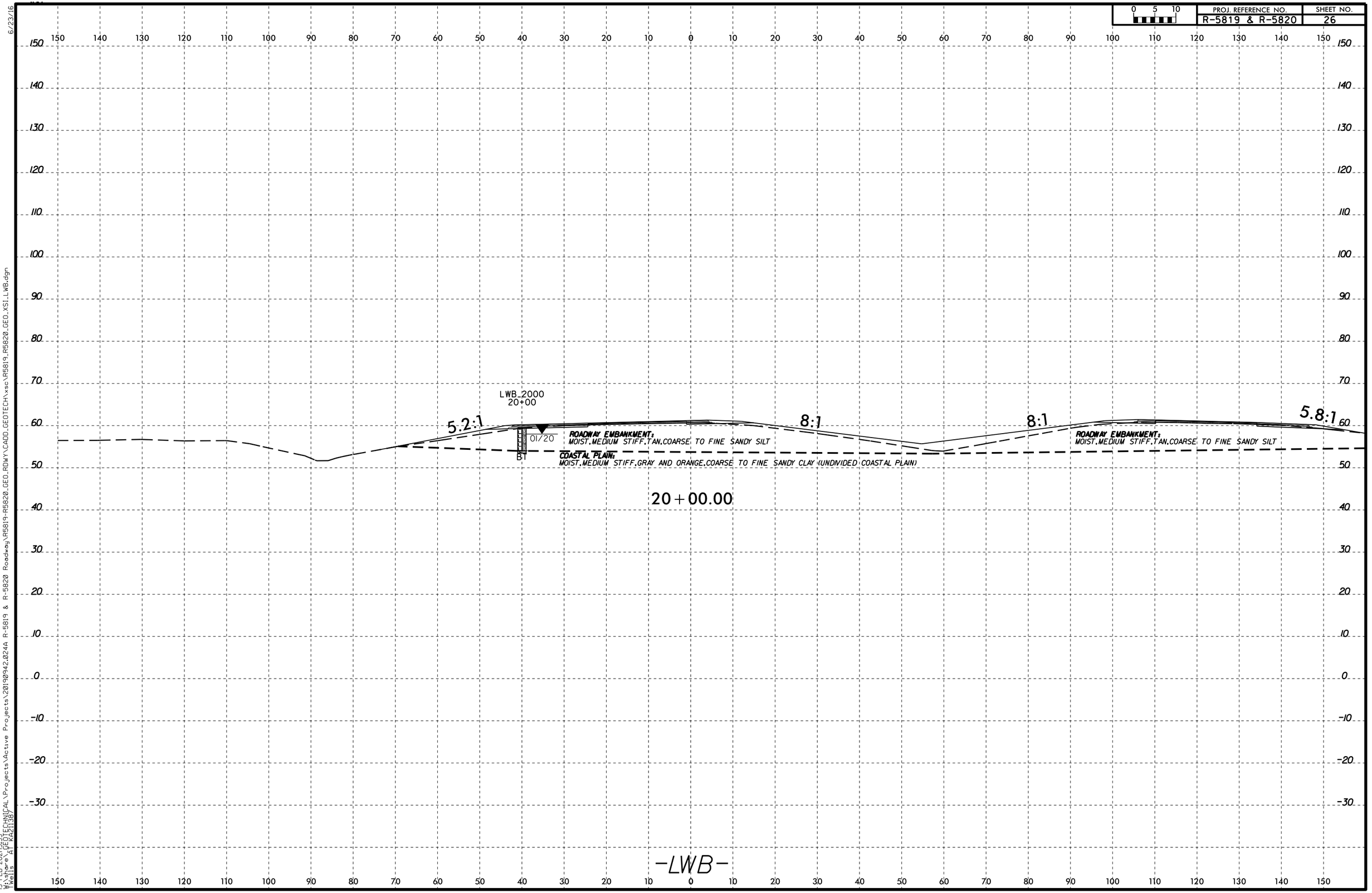
kwells



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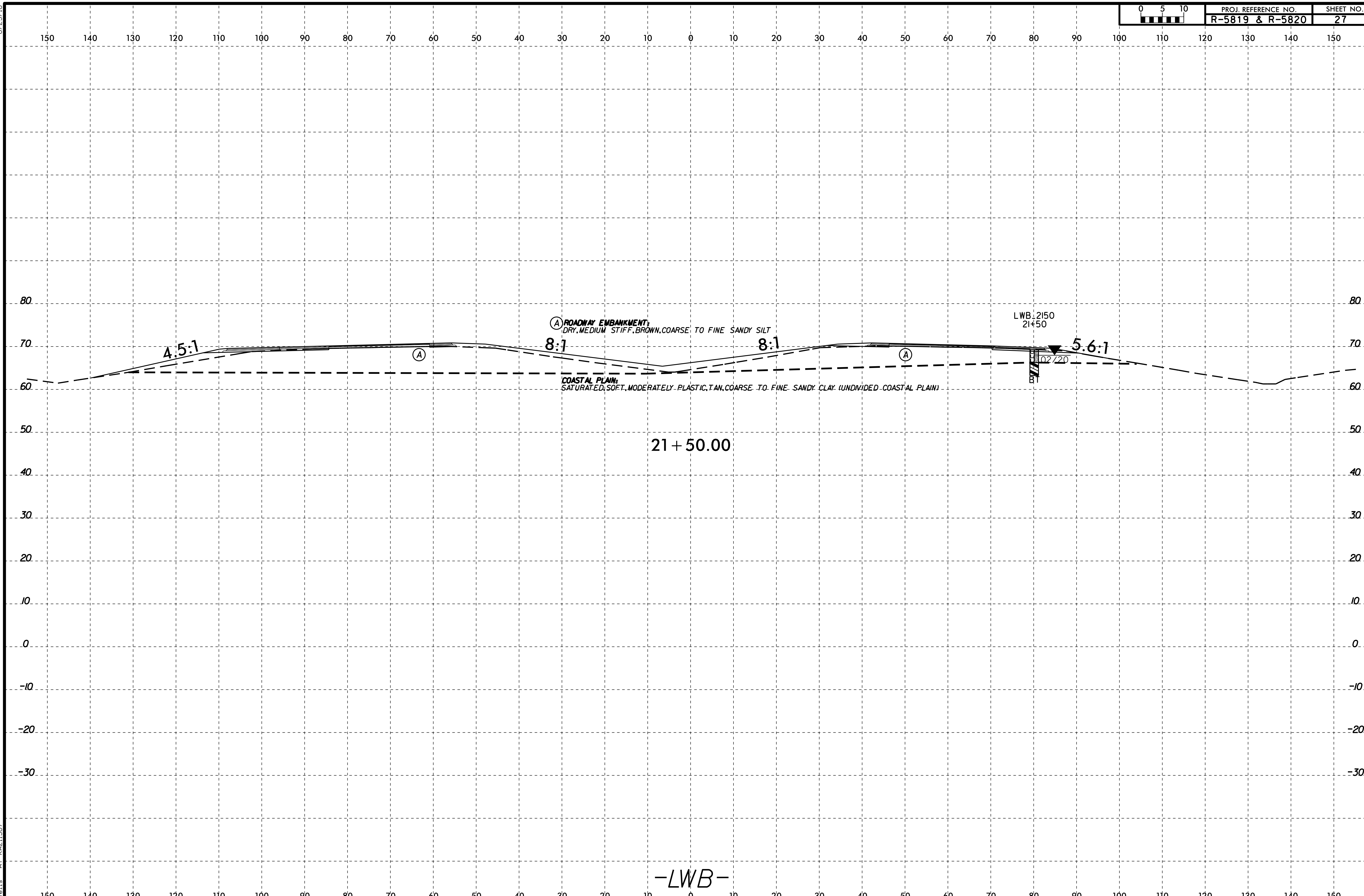
R-5819 & R-5820	27



6/23/16
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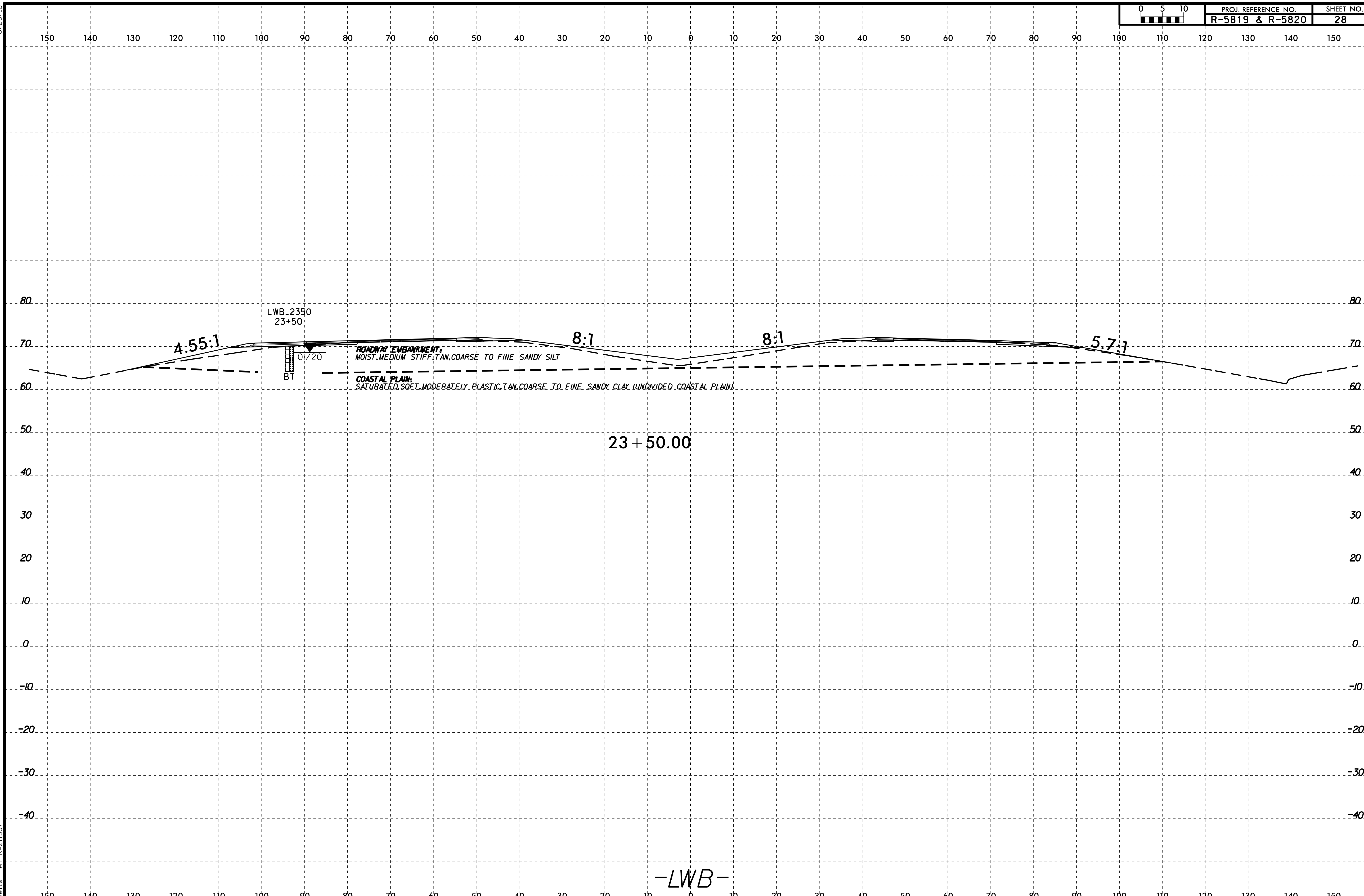
Twells AT KA211387

PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	28



6/23/16

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0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	29

4.35:1

ROADWAY EMBANKMENT:
MOIST.MEDIUM STIFF.BROWN.COARSE TO FINE SANDY SILT

8:1

8:1

6:1

Ⓐ COASTAL PLAIN:
MOIST.MEDIUM STIFF.BLACK.MUCK (UNDIVIDED COASTAL PLAIN)

ROADWAY EMBANKMENT:
MOIST.MEDIUM STIFF.BROWN.COARSE TO FINE SANDY SILT

COASTAL PLAIN:
SATURATED.SOFT.MODERATELY PLASTIC.TAN.COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

S-1
S-2
LWB_2550
25+50

BT 02/20

25+50.00

-LWB-

6/23/16

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15-FEB-2021|6:55
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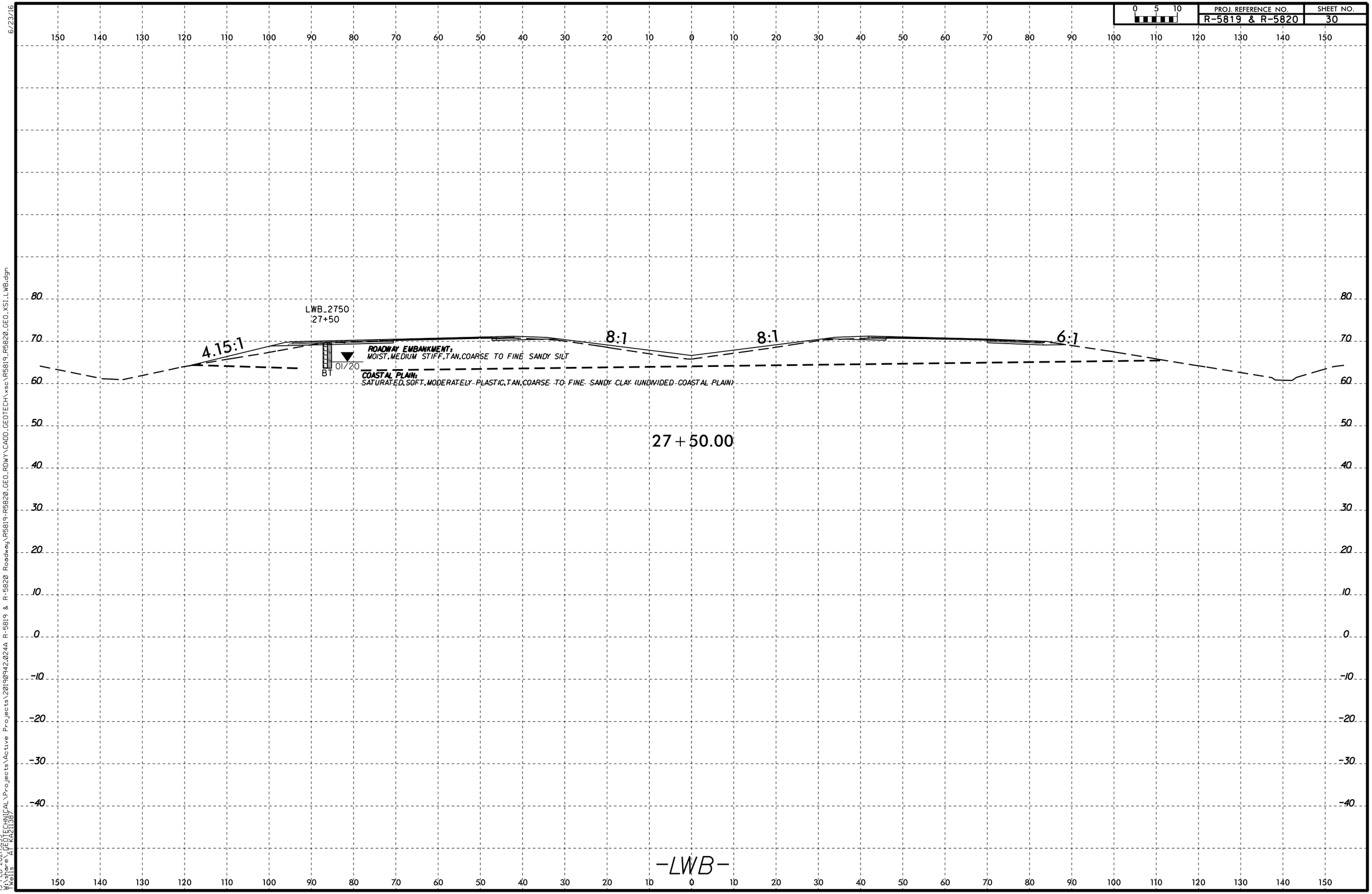
Wells AT KAZ1138

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	30



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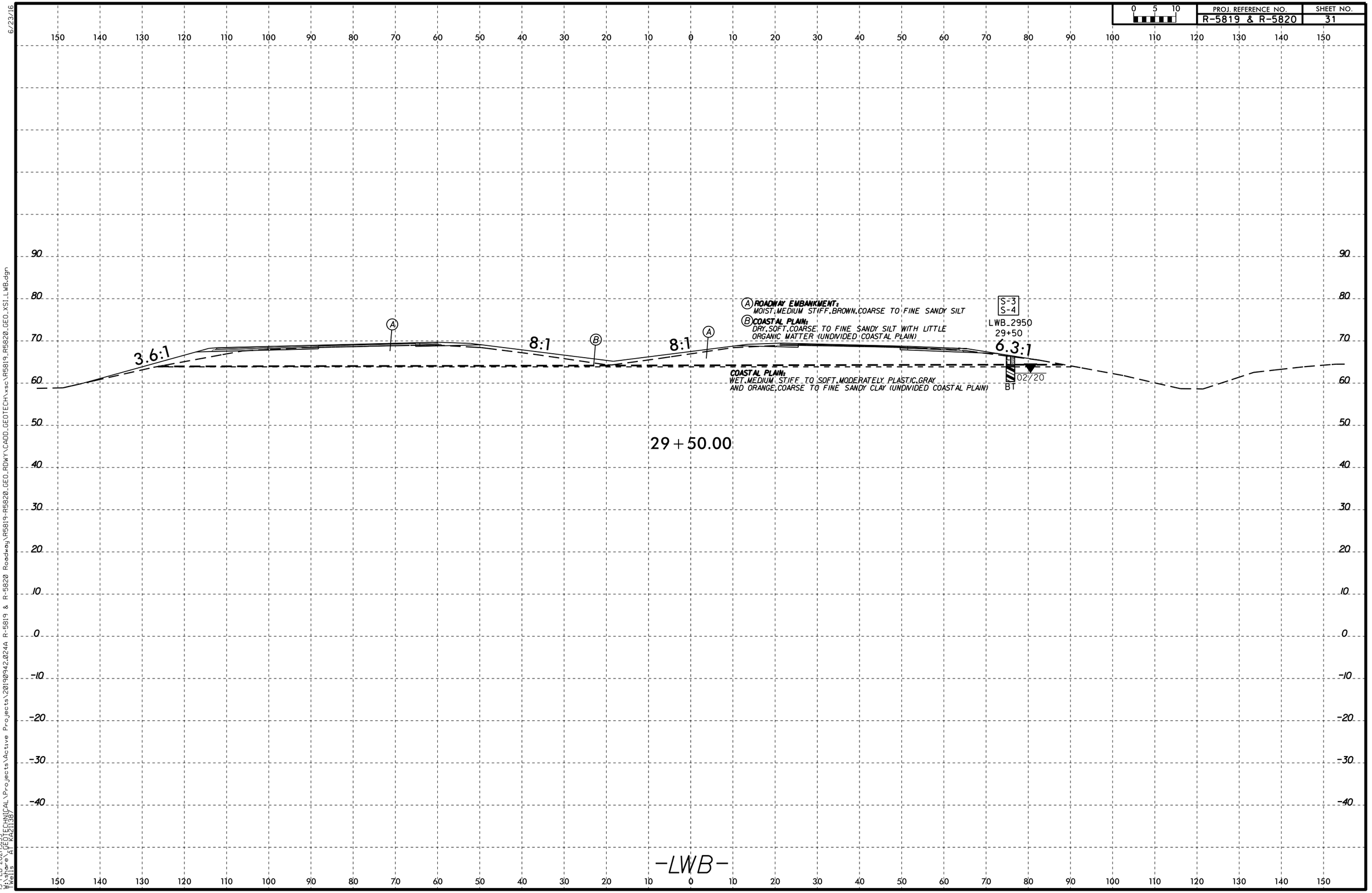
	R-5819 & R-5820	31



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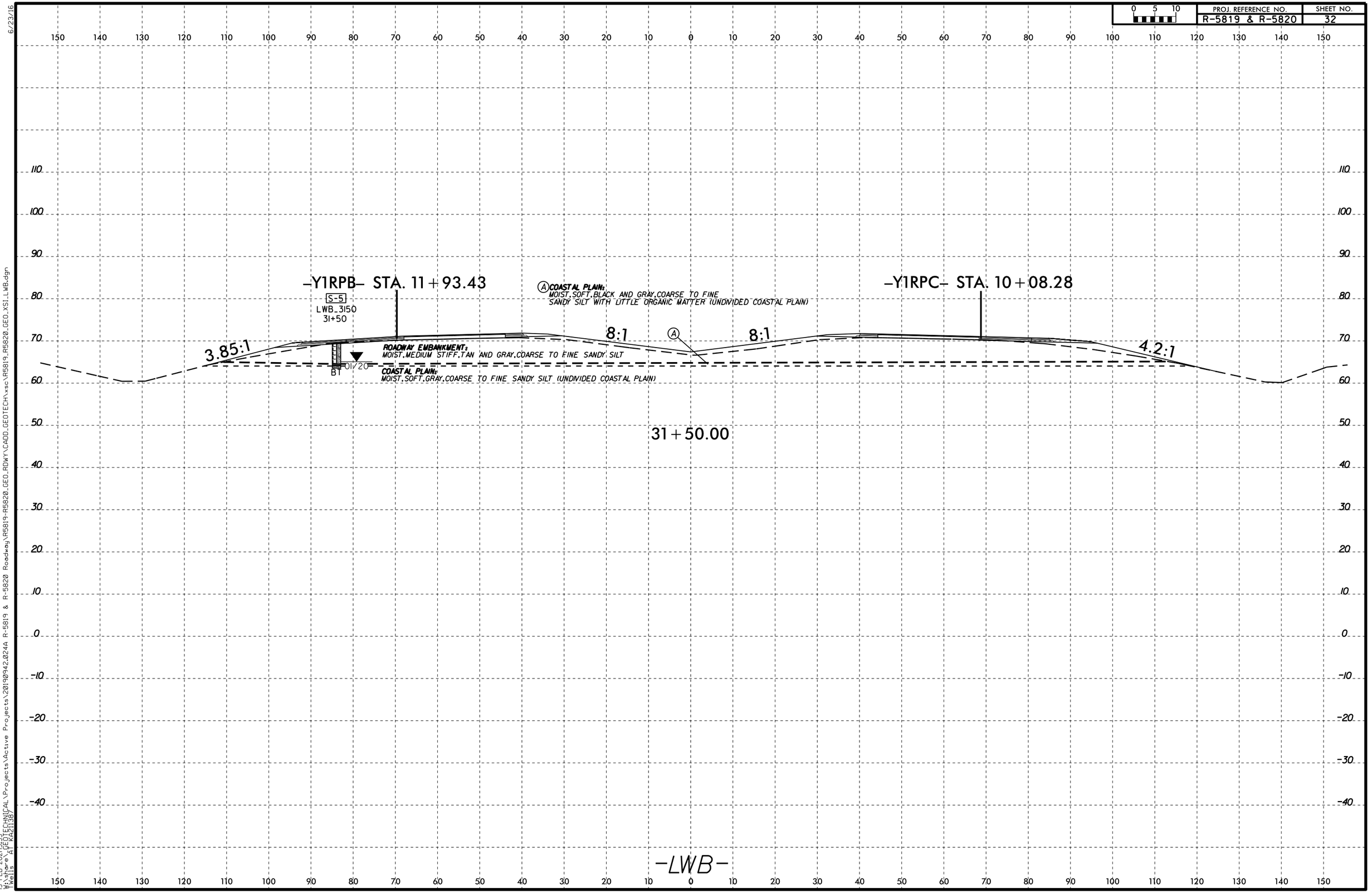
	R-5819 & R-5820	32



6/23/16

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Wells AT KAZI136

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	33

–Y1RPB– STA. 12+43.45

–Y1RPC– STA. 10+58.50

3.85:1

8:1

8:1

4:1

ROADWAY EMBANKMENT:
MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY CLAY

COASTAL PLAIN:
SATURATED, SOFT, GRAY, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

32+00.00

–LWB–

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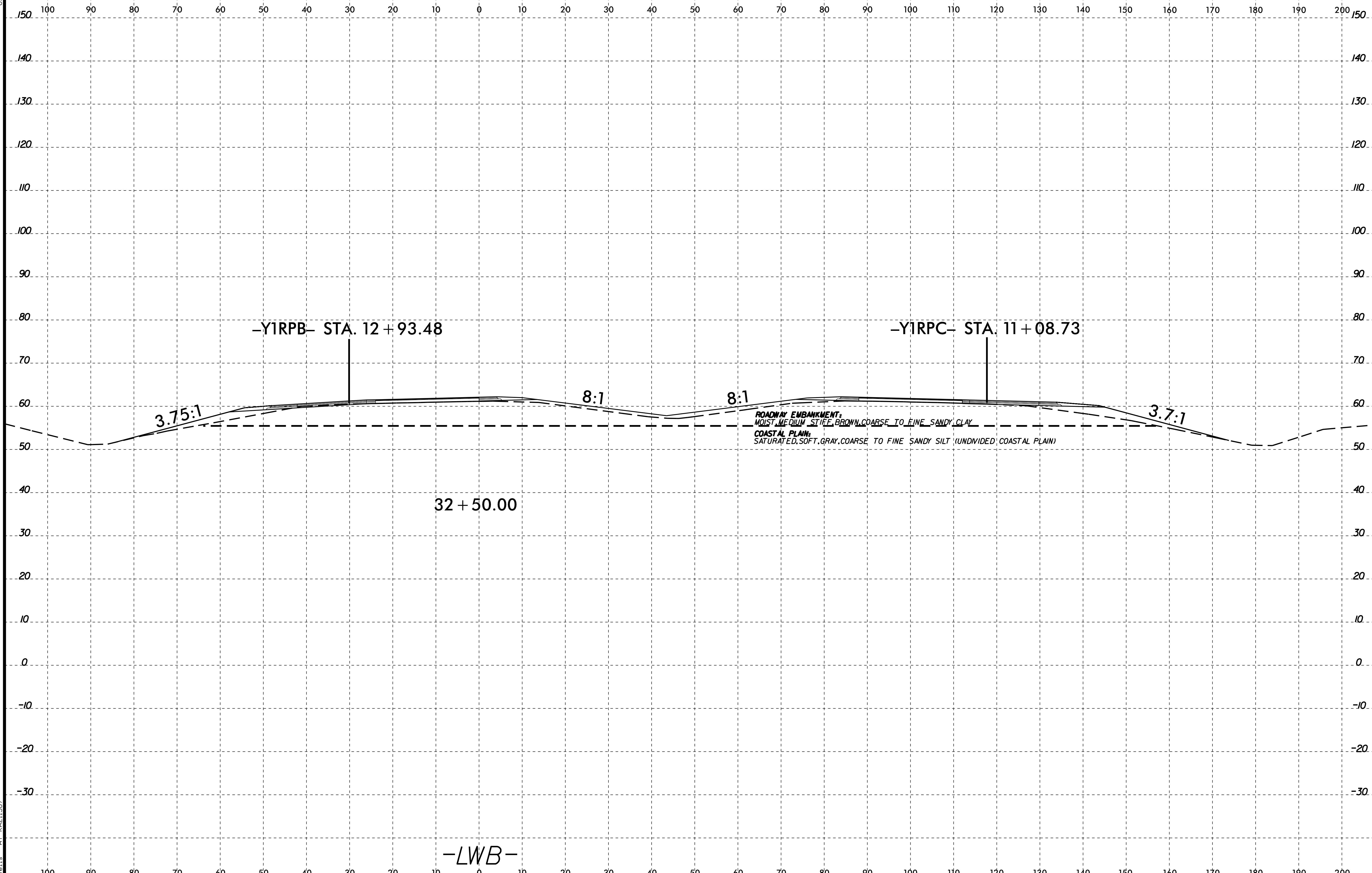
TWells AT KH21138

PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	34



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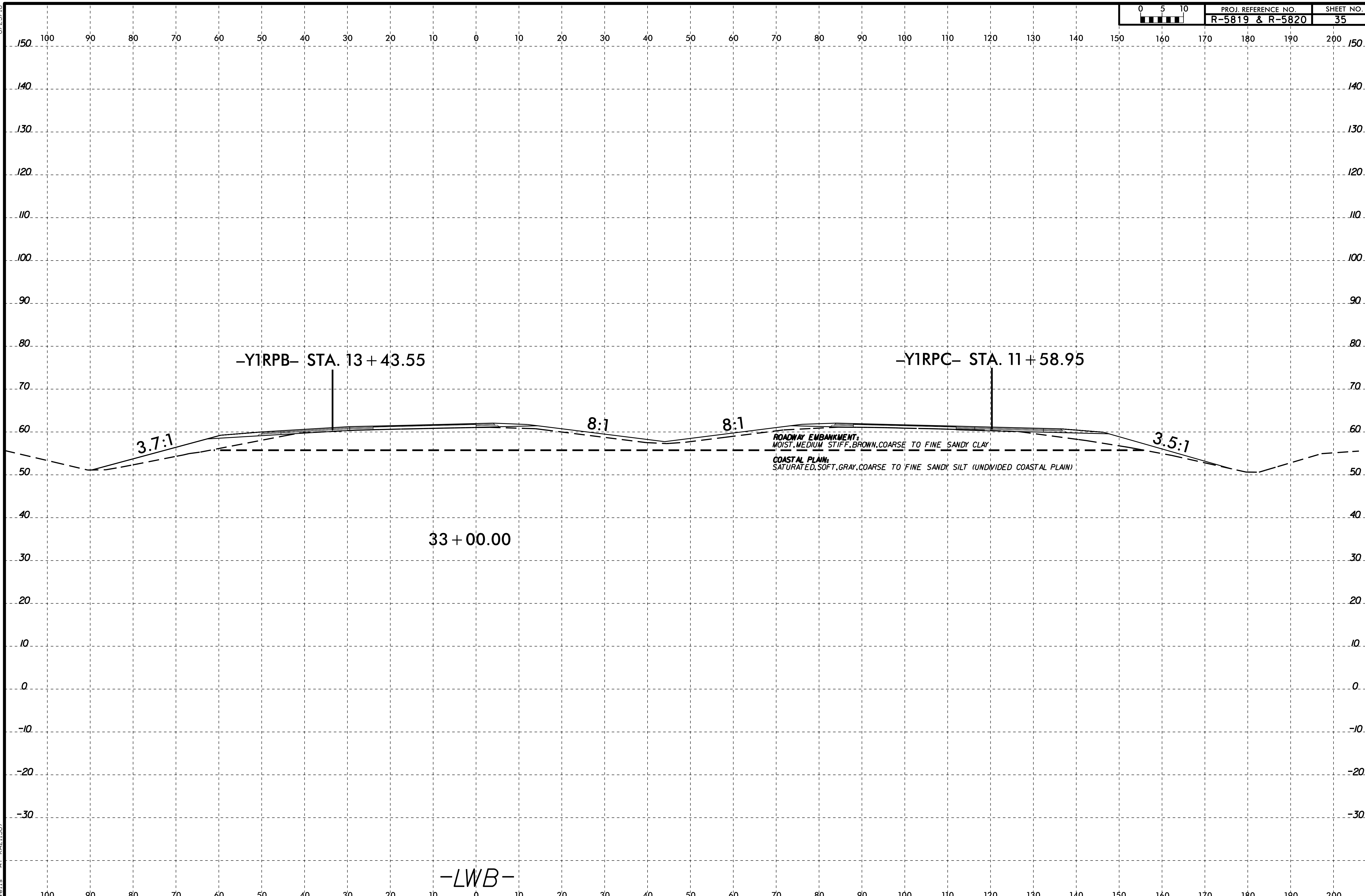
TWells AT KA211387

PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	35



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TWells AT KA211387

–Y1RPB– STA. 13+93.73

–Y1RPC– STA. 12+09.02

S-6
S-7
LWB_3350
33+50

4.25:1

8:1

8:1

3.35:1

ROADWAY EMBANKMENT: MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY CLAY

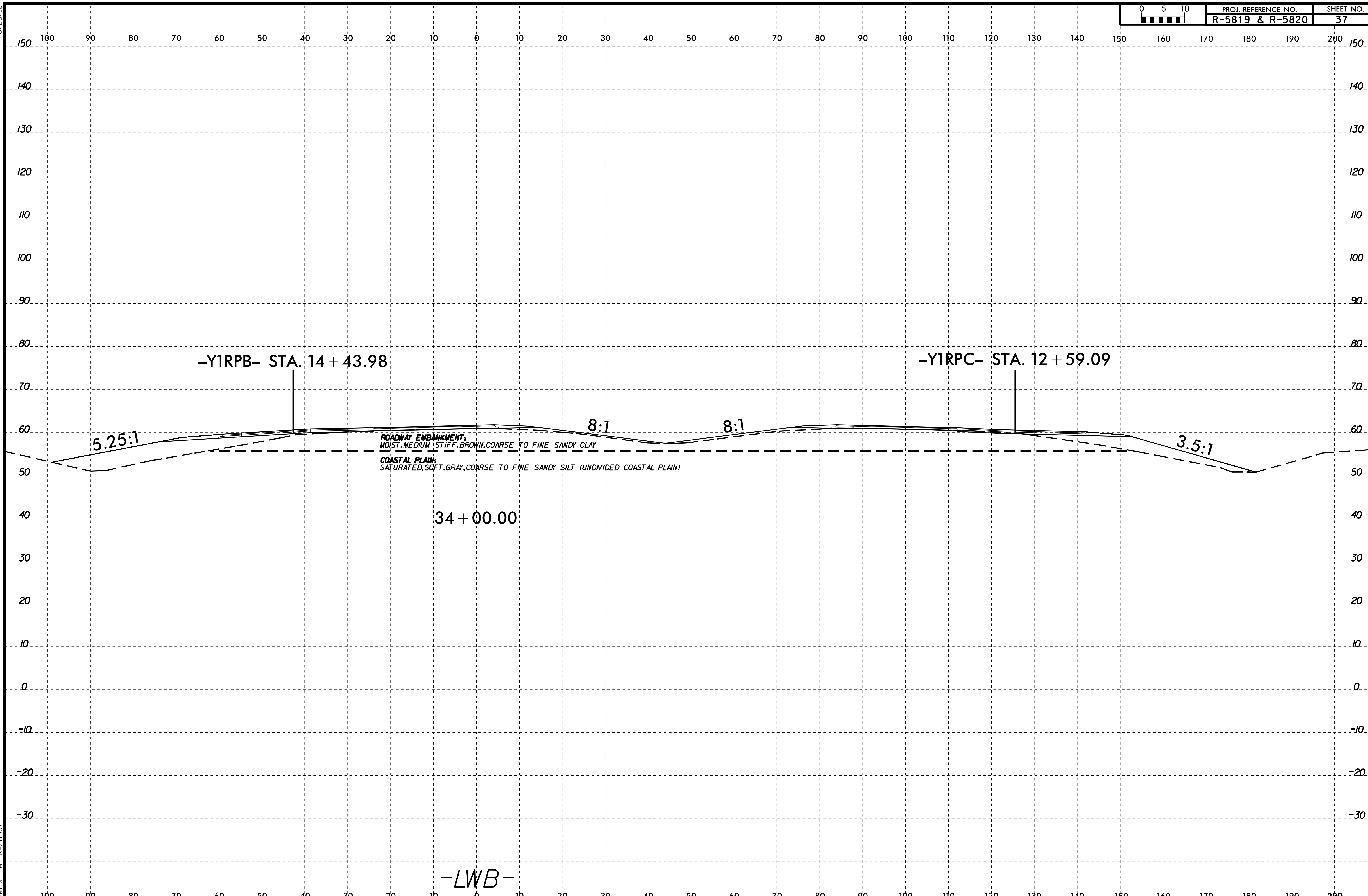
COASTAL PLAIN:
SATURATED, SOFT, GRAY, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

02/20
BT

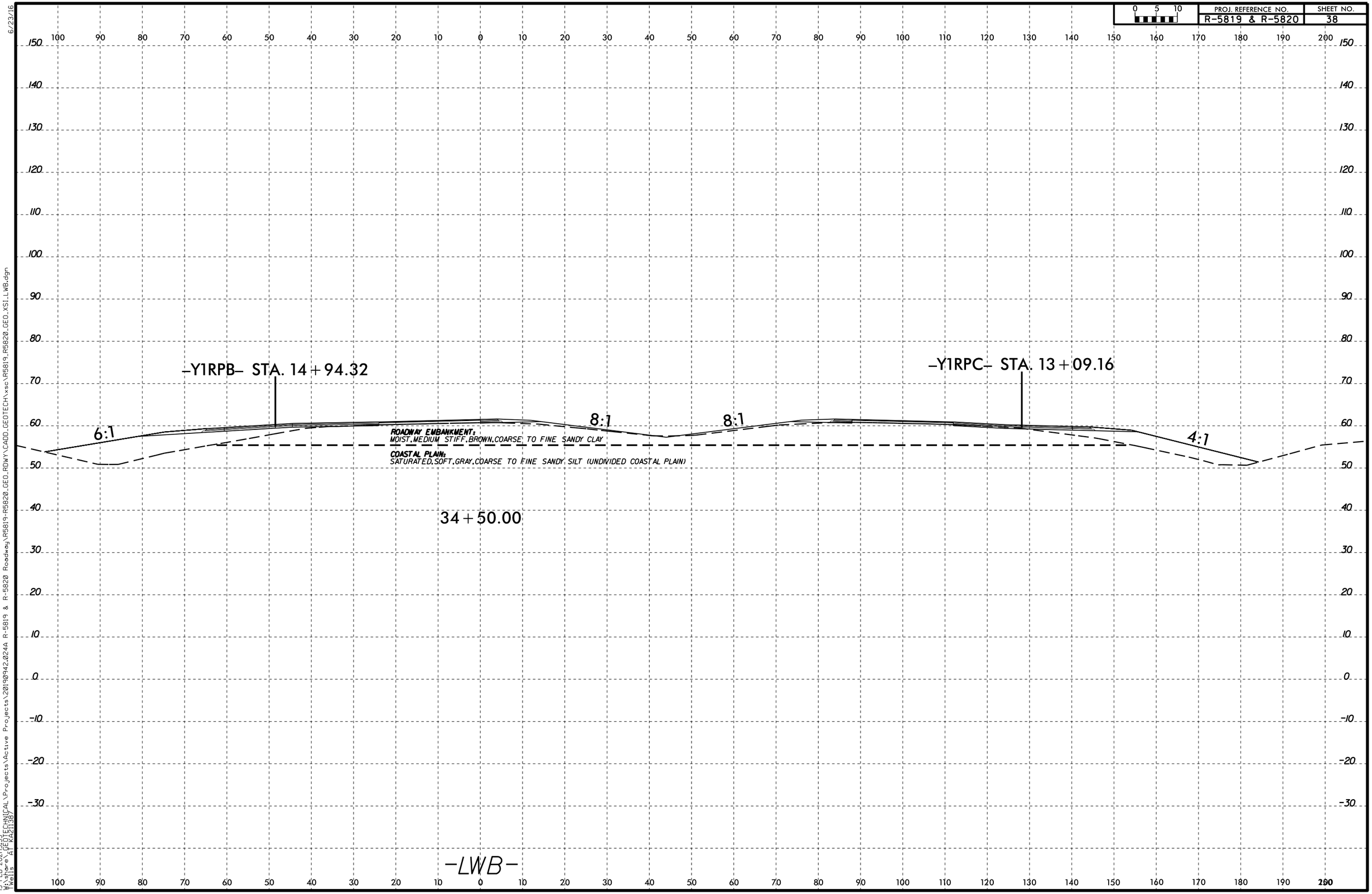
33+50.00

–LWB–

PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	37



0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	38



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(Wells AT KH21138)

–Y1RPB– STA. 15+44.77

–Y1RPC– STA. 13+59.23

6:1

5.35:1

8:1

8:1

4.8:1

Ⓐ **COASTAL PLAIN:**
MOIST.STIFF.DARK BROWN.COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

ROADWAY EMBANKMENT:
MOIST.MEDIUM STIFF.BROWN.COARSE TO FINE SANDY CLAY

Ⓐ

COASTAL PLAIN:
WET TO SATURATED.LOOSE TO VERY LOOSE.
RED.TAN AND WHITE.
SILTY COARSE TO FINE SAND TO CLAYEY FINE TO COARSE SAND (UNDIVIDED COASTAL PLAIN)

SATURATED.SOFT.GRAY.LIMESTONE (WACCAMAW FORMATION)

35+00.00

–LWB–

-Y1RPB- STA. 15+95.34

(A) ROADWAY EMBANKMENT:
MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY CLAY
(B) COASTAL PLAIN:
MOIST, STIFF, DARK BROWN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

S-8
LWB: 3554
35+54

6:1 6:1 6.1:1 5.45:1

COASTAL PLAIN:
WET TO SATURATED, LOOSE TO VERY LOOSE, RED, TAN AND WHITE, SILTY COARSE TO FINE SAND TO CLAYEY FINE TO COARSE SAND (UNDIVIDED COASTAL PLAIN)

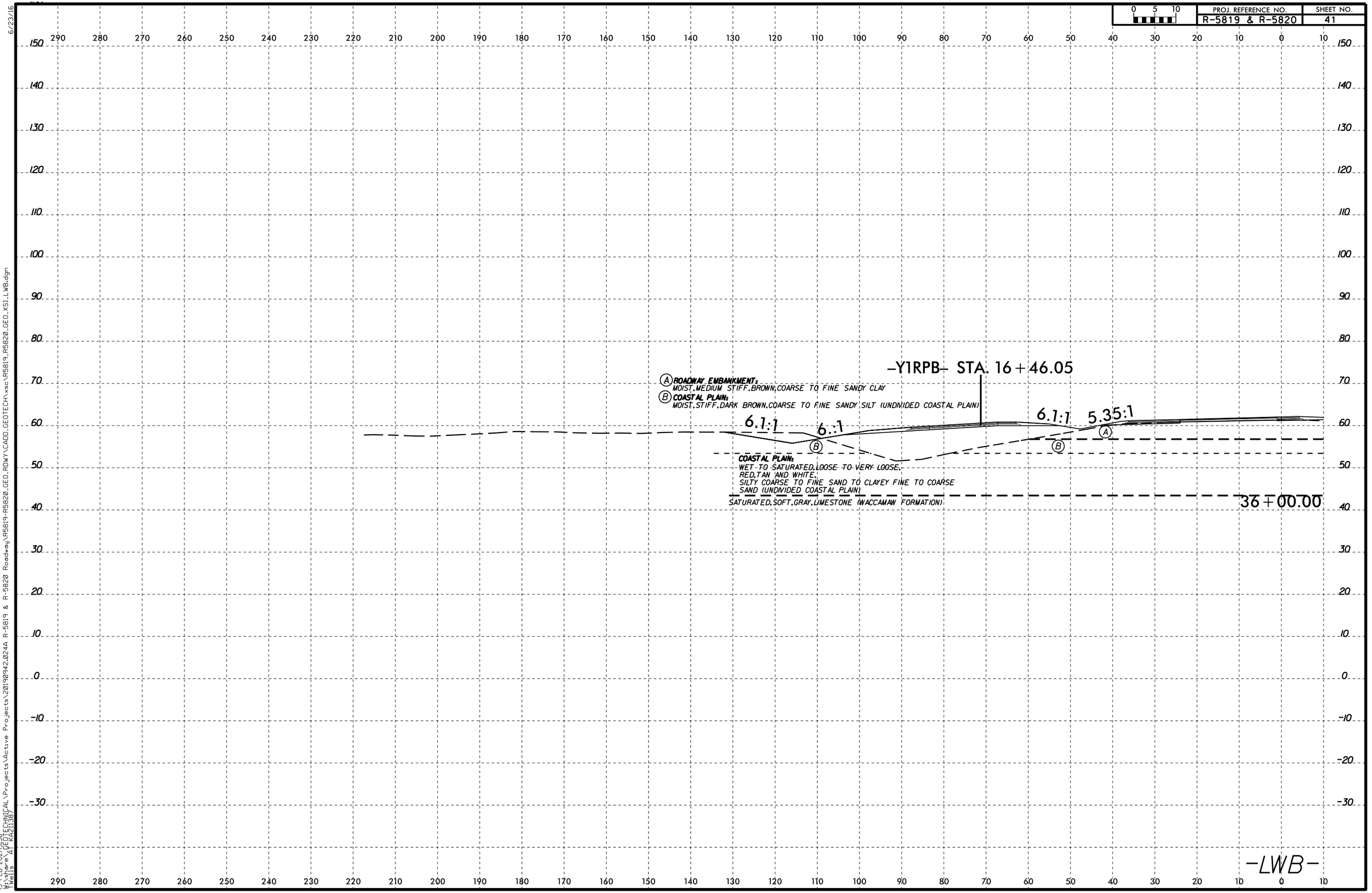
SATURATED, SOFT, GRAY, LIMESTONE (WACCAMAW FORMATION)

R 5 2/20 WOH 18 51

35+50.00

-LWB-

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	41



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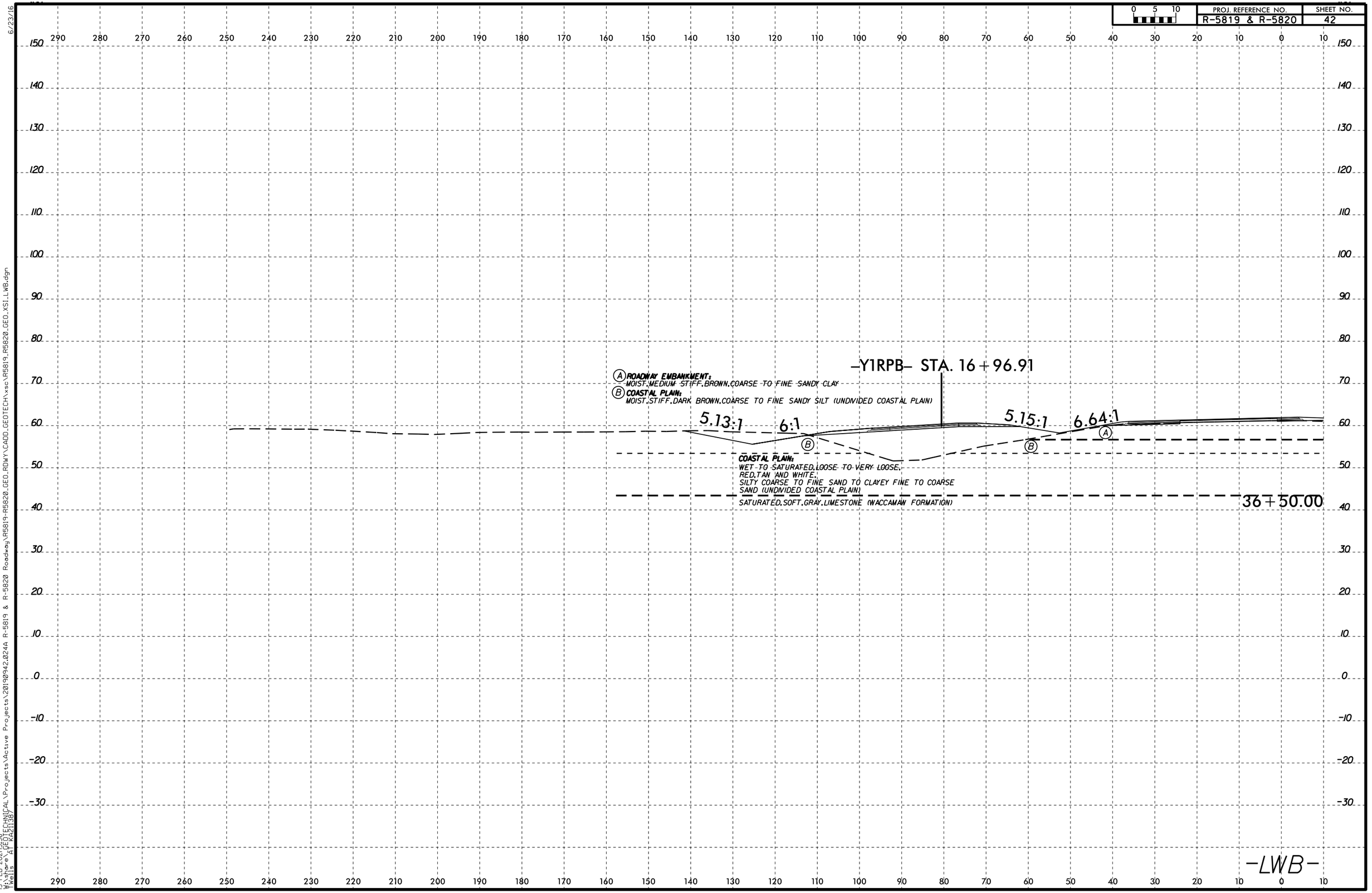
	R-5819 & R-5820	42



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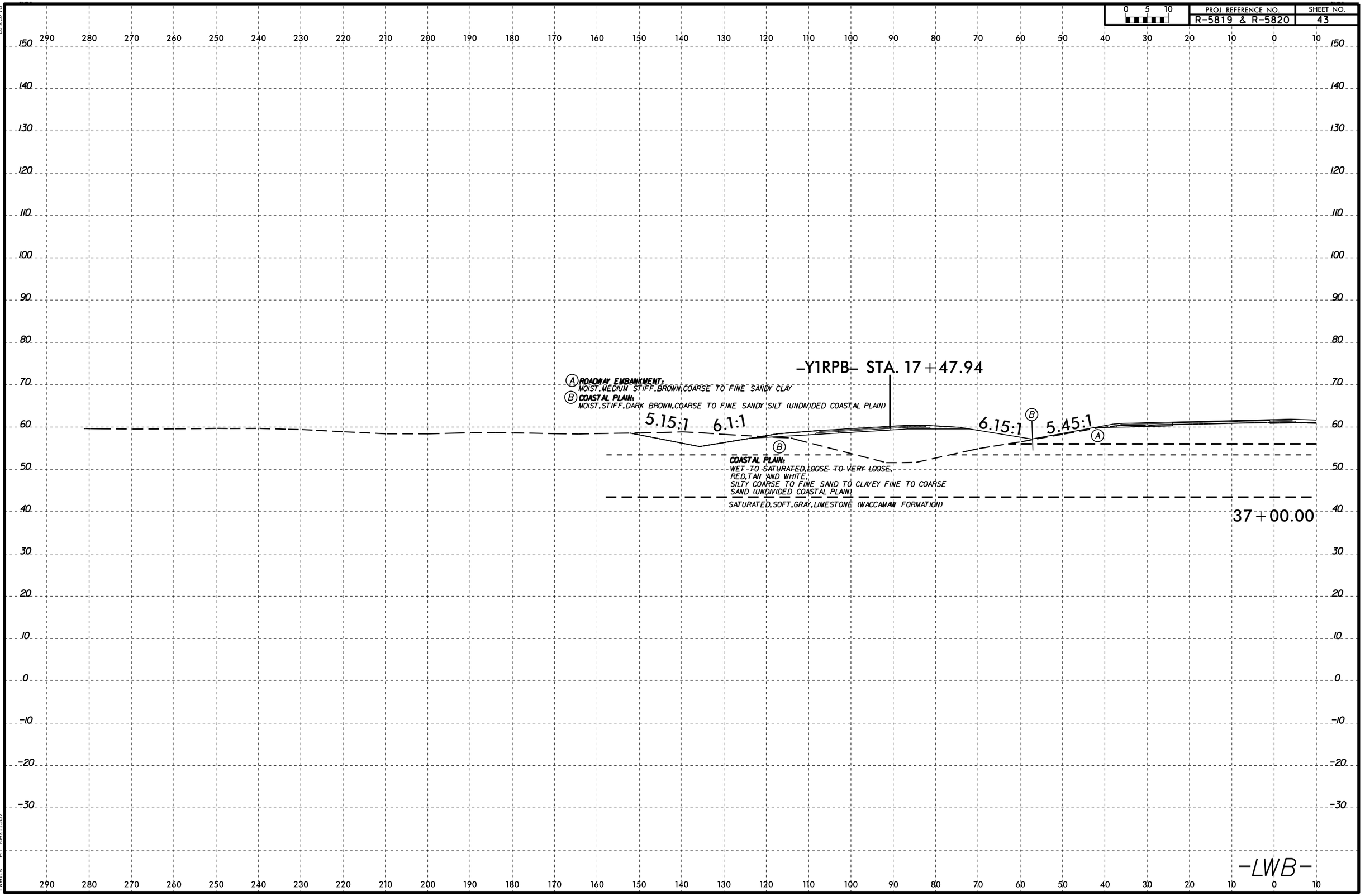
0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	43



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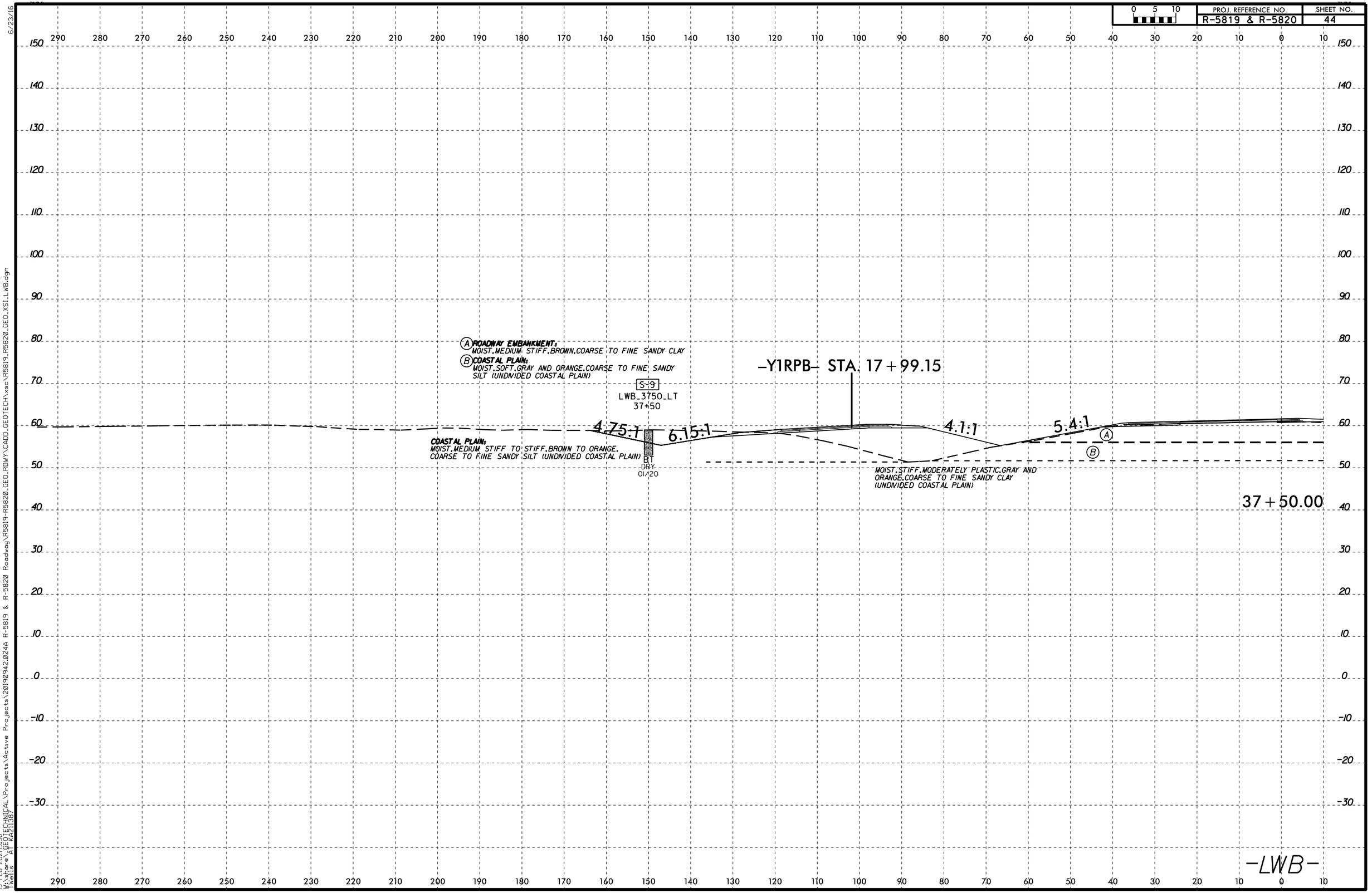
Wells AT KH21138



0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	45

–Y1RPB– STA. 18+50.57

Ⓐ **ROADWAY EMBANKMENT:**
MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY CLAY

Ⓑ **COASTAL PLAIN:**
MOIST, SOFT, GRAY AND ORANGE, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

5:1

6.2:1

COASTAL PLAIN:
MOIST, MEDIUM STIFF TO STIFF, BROWN TO ORANGE, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

4.1:1

5.5:1

Ⓐ

Ⓑ

MOIST, STIFF, MODERATELY PLASTIC, GRAY AND ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

38+00.00

–LWB–

290 280 270 260 250 240 230 220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10

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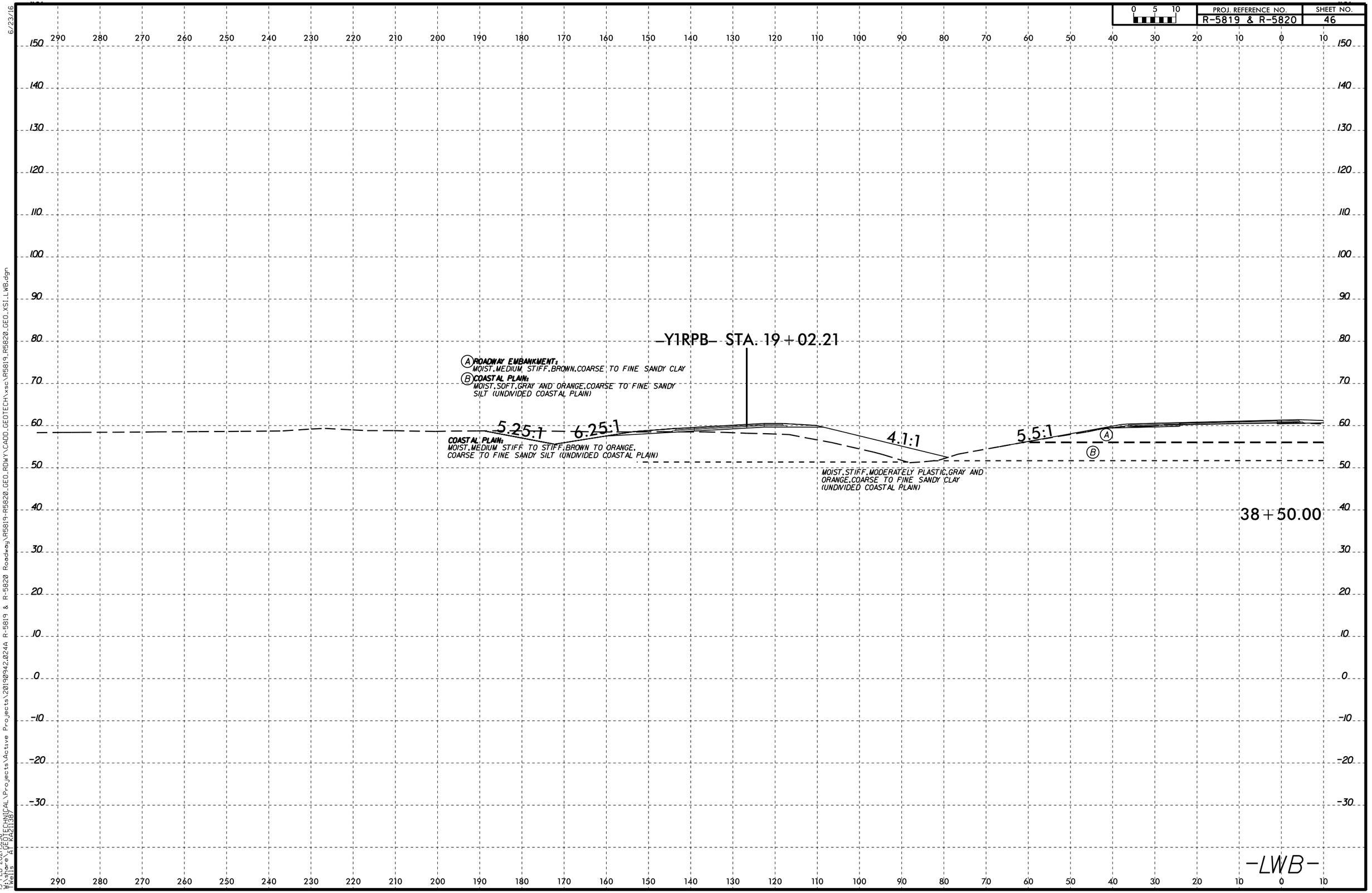
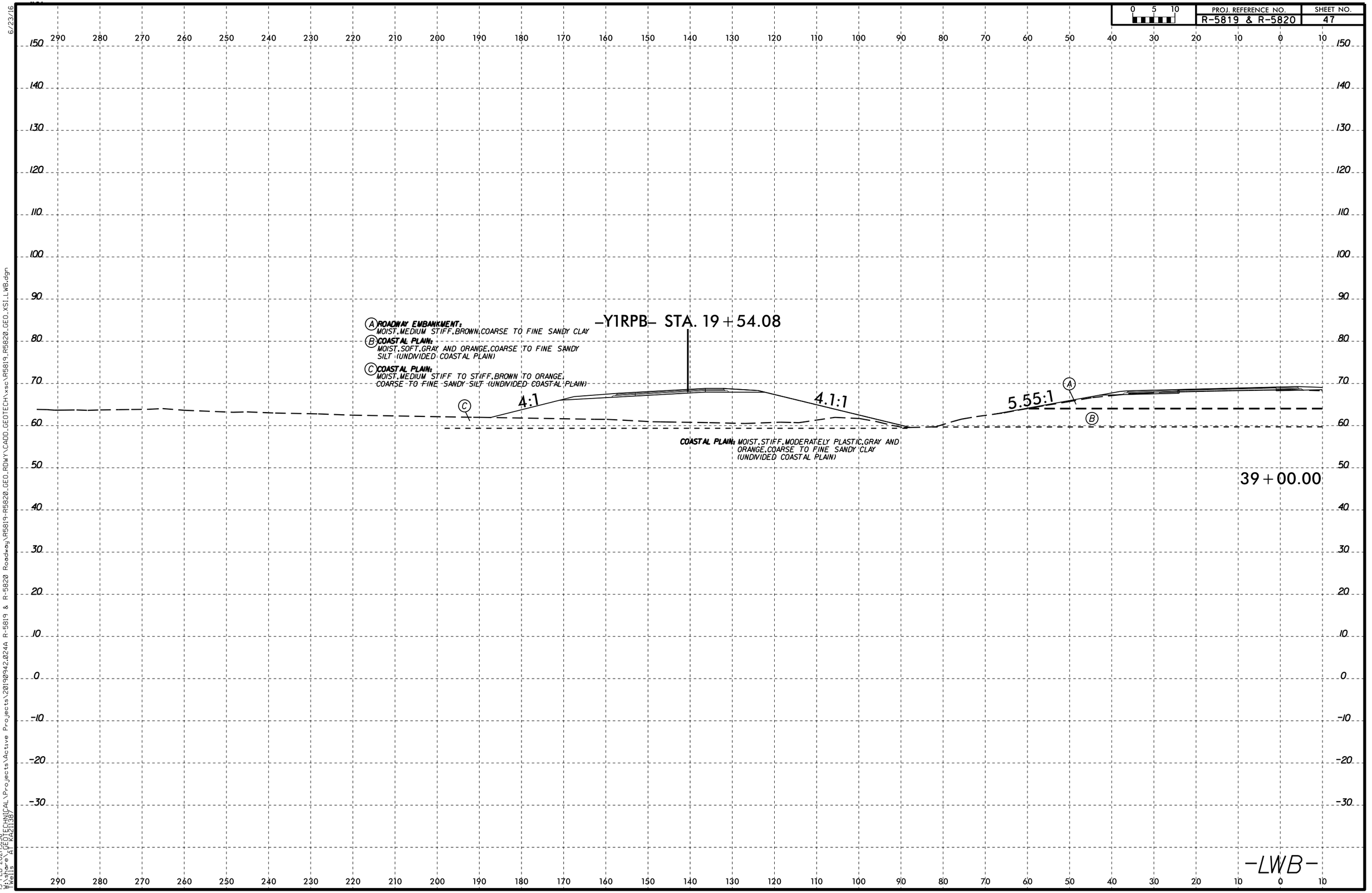




0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	48

-Y1RPC- STA. 14+09.33

(A) **ROADWAY EMBANKMENT:**
MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY CLAY

(B) **COASTAL PLAIN:**
MOIST, STIFF, DARK BROWN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

8:1

8:1

6:1

(A)

(B)

COASTAL PLAIN:
WET TO SATURATED, LOOSE TO VERY LOOSE,
RED, TAN AND WHITE,
SILTY COARSE TO FINE SAND TO CLAYEY FINE TO COARSE
SAND (UNDIVIDED COASTAL PLAIN)

SATURATED, SOFT, GRAY, LIMESTONE (WACCAMAW FORMATION)

35+50.00

-LWB-

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	49

–Y1RPC– STA. 14+59.47

Ⓐ **ROADWAY EMBANKMENT:**
MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY CLAY

Ⓑ **COASTAL PLAIN:**
MOIST, STIFF, DARK BROWN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN

8:1

8:1

6:1

Ⓐ

Ⓑ

COASTAL PLAIN:
WET TO SATURATED, LOOSE TO VERY LOOSE,
RED, TAN AND WHITE,
SILTY COARSE TO FINE SAND TO CLAYEY FINE TO COARSE
SAND (UNDIVIDED COASTAL PLAIN)

SATURATED, SOFT, GRAY, LIMESTONE (WACCAMAW FORMATION)

36+00.00

–LWB–

–Y1RPC– STA. 15+09.71

Ⓐ **ROADWAY EMBANKMENT:**
MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY CLAY

Ⓑ **COASTAL PLAIN:**
MOIST, STIFF, DARK BROWN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

8:1

8:1

6:1

Ⓐ

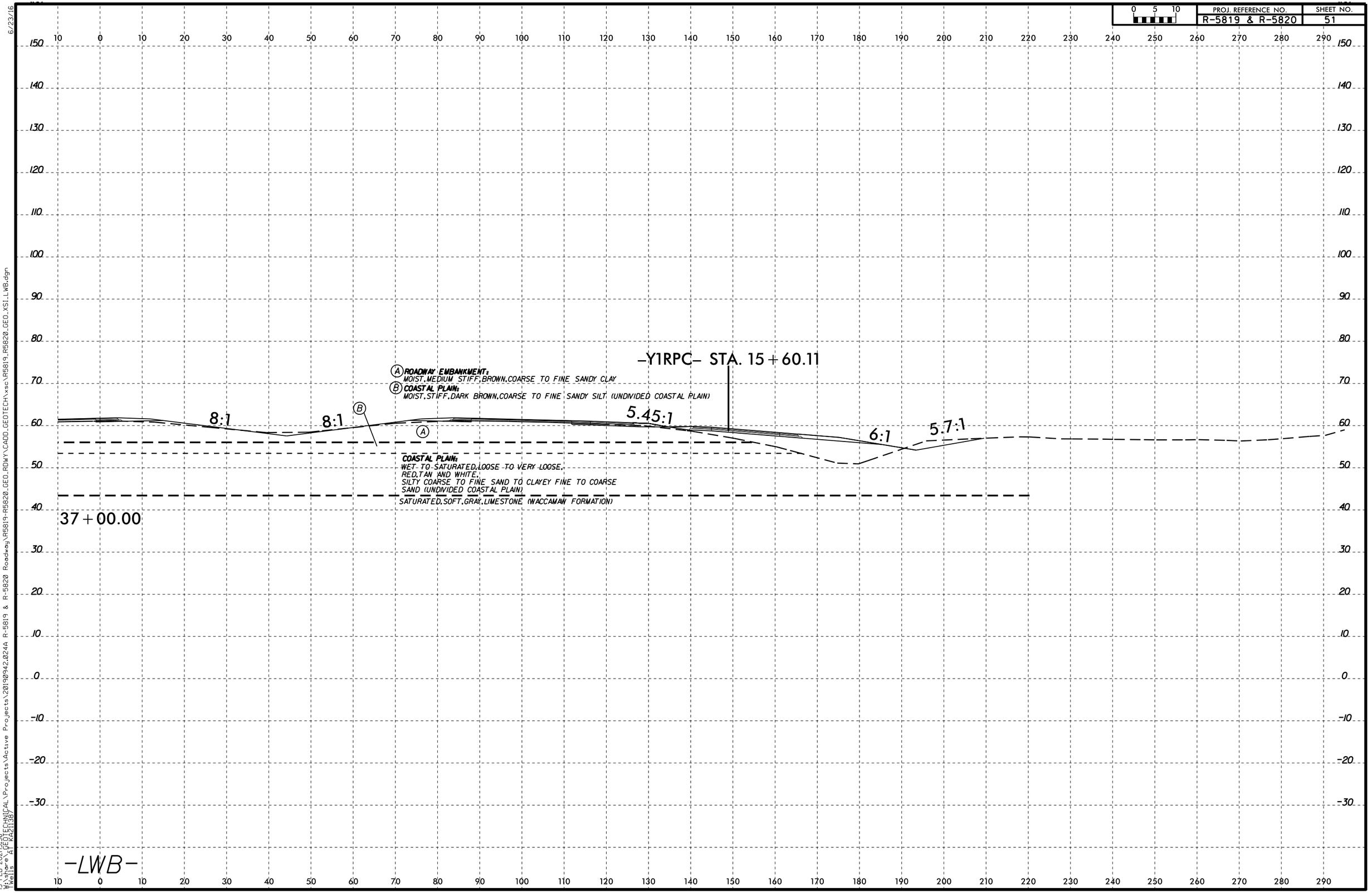
Ⓑ

COASTAL PLAIN:
WET TO SATURATED, LOOSE TO VERY LOOSE,
RED, TAN AND WHITE,
SILTY COARSE TO FINE SAND TO CLAYEY FINE TO COARSE
SAND (UNDIVIDED COASTAL PLAIN)

SATURATED, SOFT, GRAY, LIMESTONE (WACCAMAW FORMATION)

36+50.00

–LWB–



0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	52

(A) **ROADWAY EMBANKMENT:**
MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY CLAY

(B) **COASTAL PLAIN:**
MOIST, SOFT, GRAY AND ORANGE, COARSE TO FINE, SANDY SILT (UNDIVIDED COASTAL PLAIN)

COASTAL PLAIN:
MOIST, STIFF, MODERATELY PLASTIC, GRAY AND ORANGE, COARSE TO FINE, SANDY CLAY (UNDIVIDED COASTAL PLAIN)

-Y1RPC- STA. 16+10.73

8:1 8:1 6:1 6.15:1 6:1 5.65:1

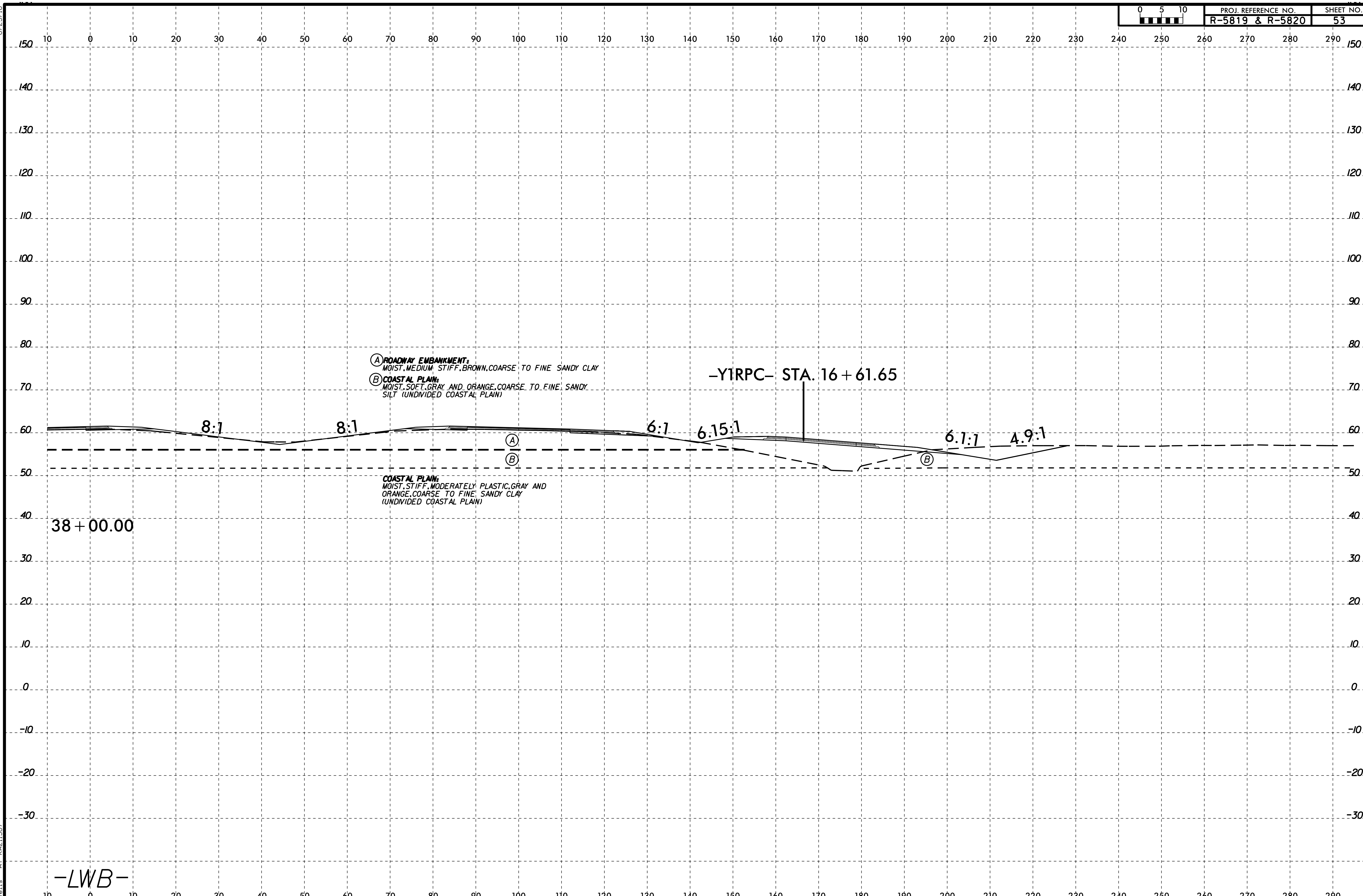
S-10
LWB_3750_RT
37+50

BT
DRY
02/20

37+50.00

-LWB-

PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	53



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T.Wells AT KA211387

Ⓐ **ROADWAY EMBANKMENT:**
MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY CLAY

Ⓑ **COASTAL PLAIN:**
MOIST, SOFT, GRAY AND ORANGE, COARSE TO FINE, SANDY SILT (UNDIVIDED COASTAL PLAIN)

-Y1RPC- STA. 17+12.91

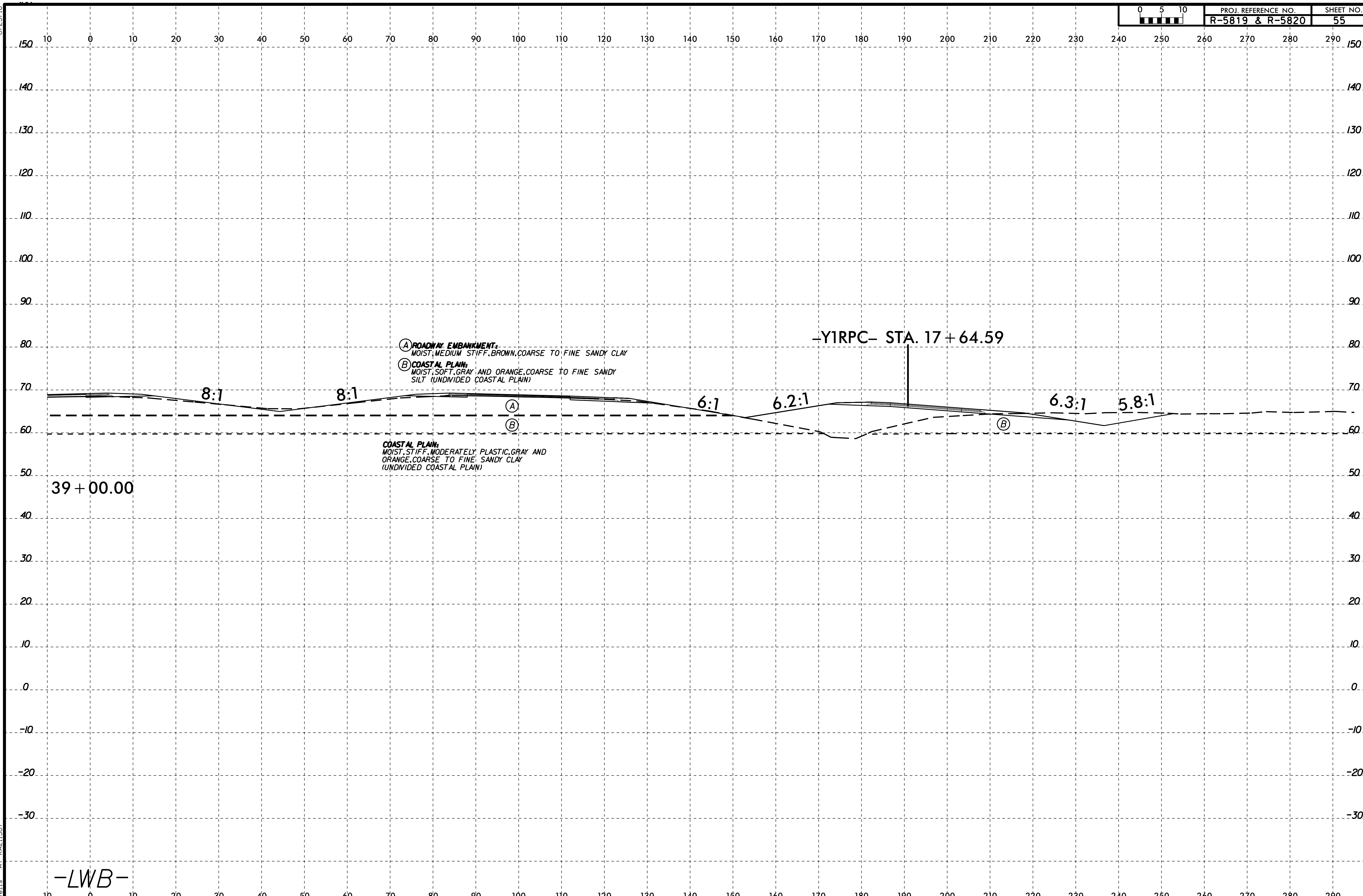
8:1 8:1 6:1 6.15:1 6.2:1 3.25:1

COASTAL PLAIN:
MOIST, STIFF, MODERATELY PLASTIC, GRAY AND ORANGE, COARSE TO FINE, SANDY CLAY (UNDIVIDED COASTAL PLAIN)

38+50.00

-LWB-

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	55



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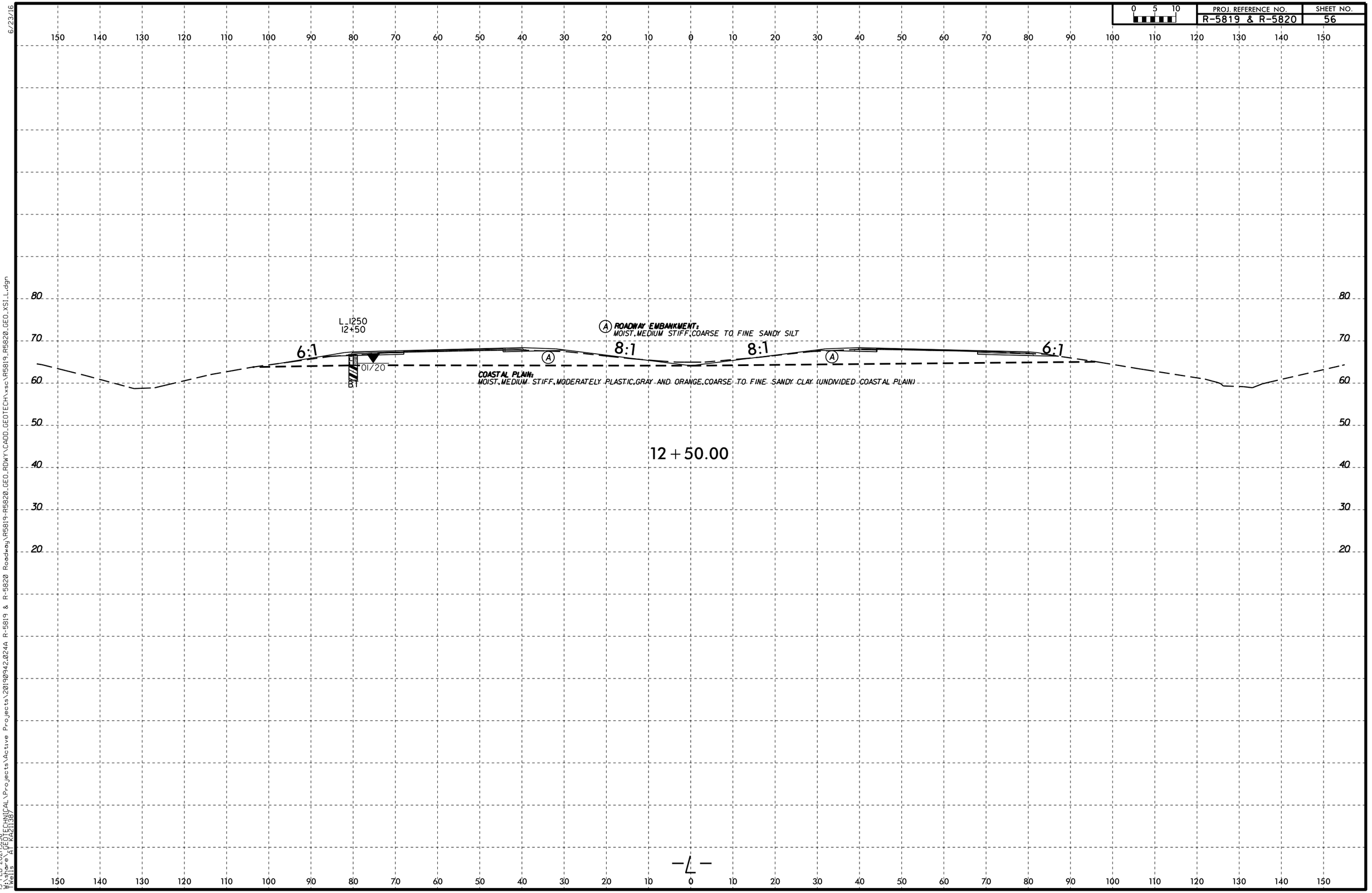
T.Wells AT KA211387

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	56



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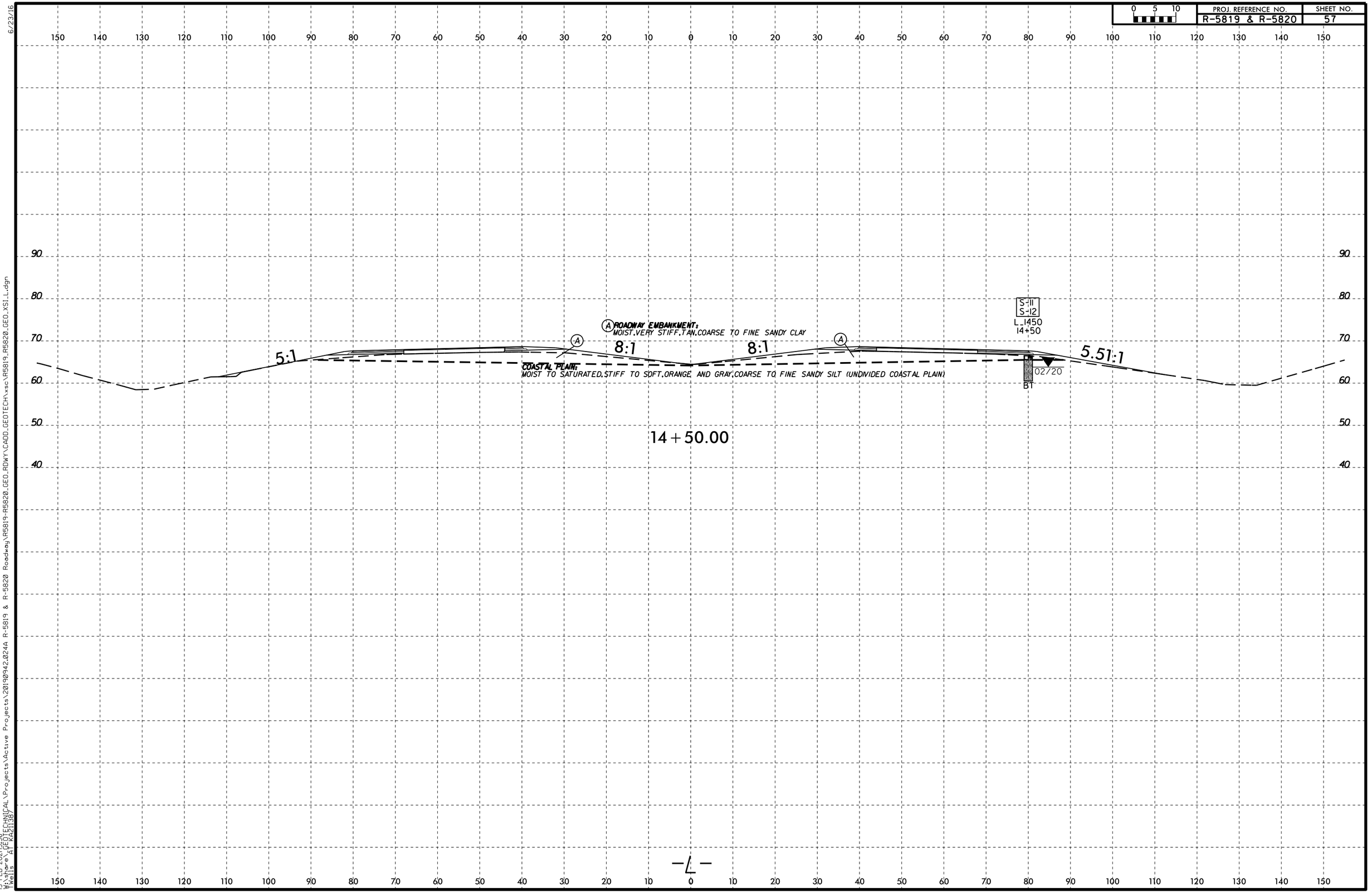
	R-5819 & R-5820	57



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Wells AT KAZI136

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	58

150 140 130 120 110 100 90 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:**
MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY CLAY

4.75:1 8:1 8:1 5.19:1

COASTAL PLAIN:
SATURATED TO WET, SOFT, HIGHLY PLASTIC, TAN, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

17+00.00

80 70 60 50

L_1650
16+50

Ⓐ **ROADWAY EMBANKMENT:**
MOIST, MEDIUM STIFF, TAN, COARSE TO FINE SANDY SILT

4.84:1 8:1 8:1 5:1

01/20
B1

COASTAL PLAIN:
MOIST, MEDIUM STIFF, MODERATELY PLASTIC, GRAY AND ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

16+50.00

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

-L-

6/23/16

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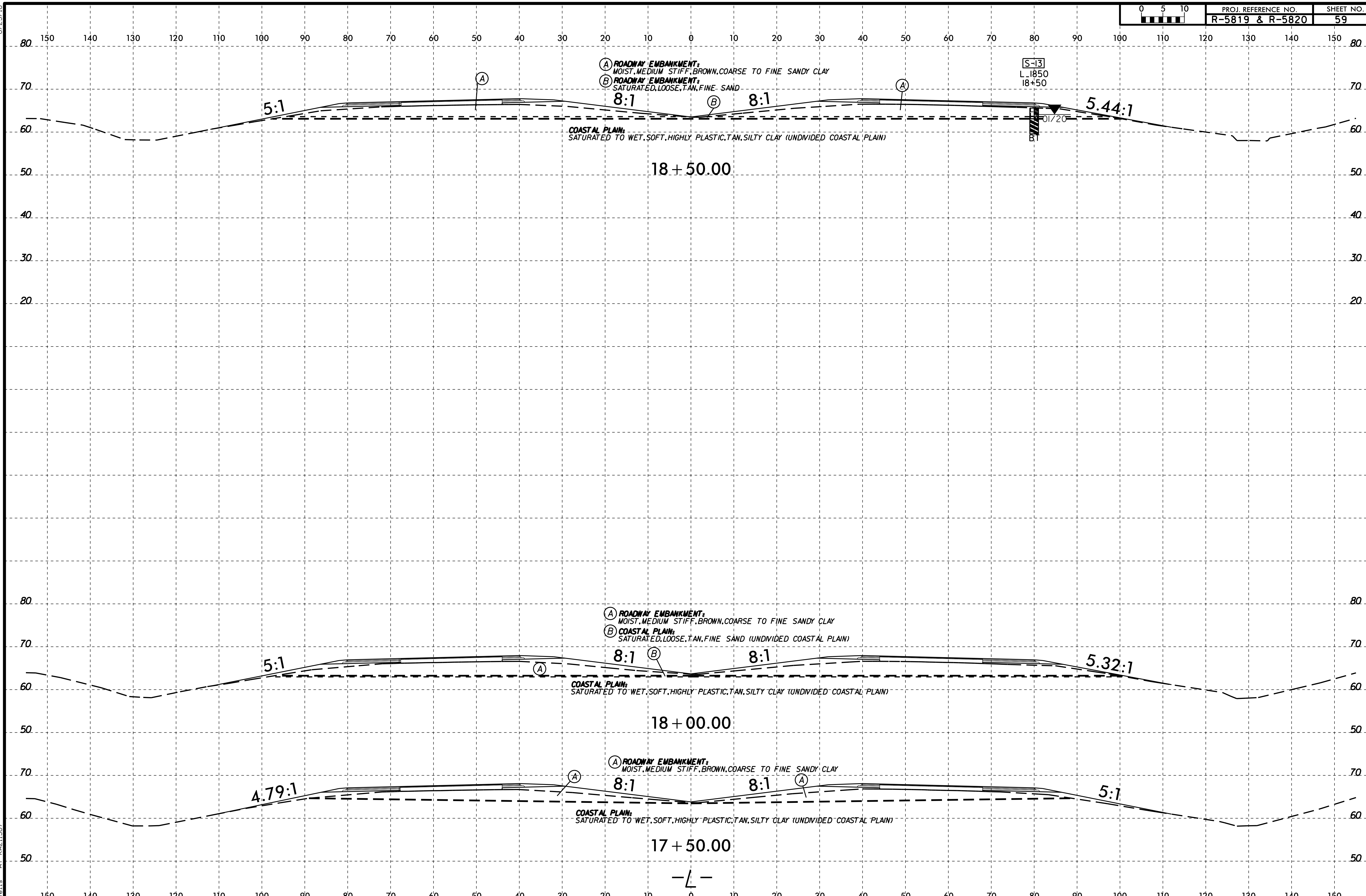
M. Wells AT KAZI136



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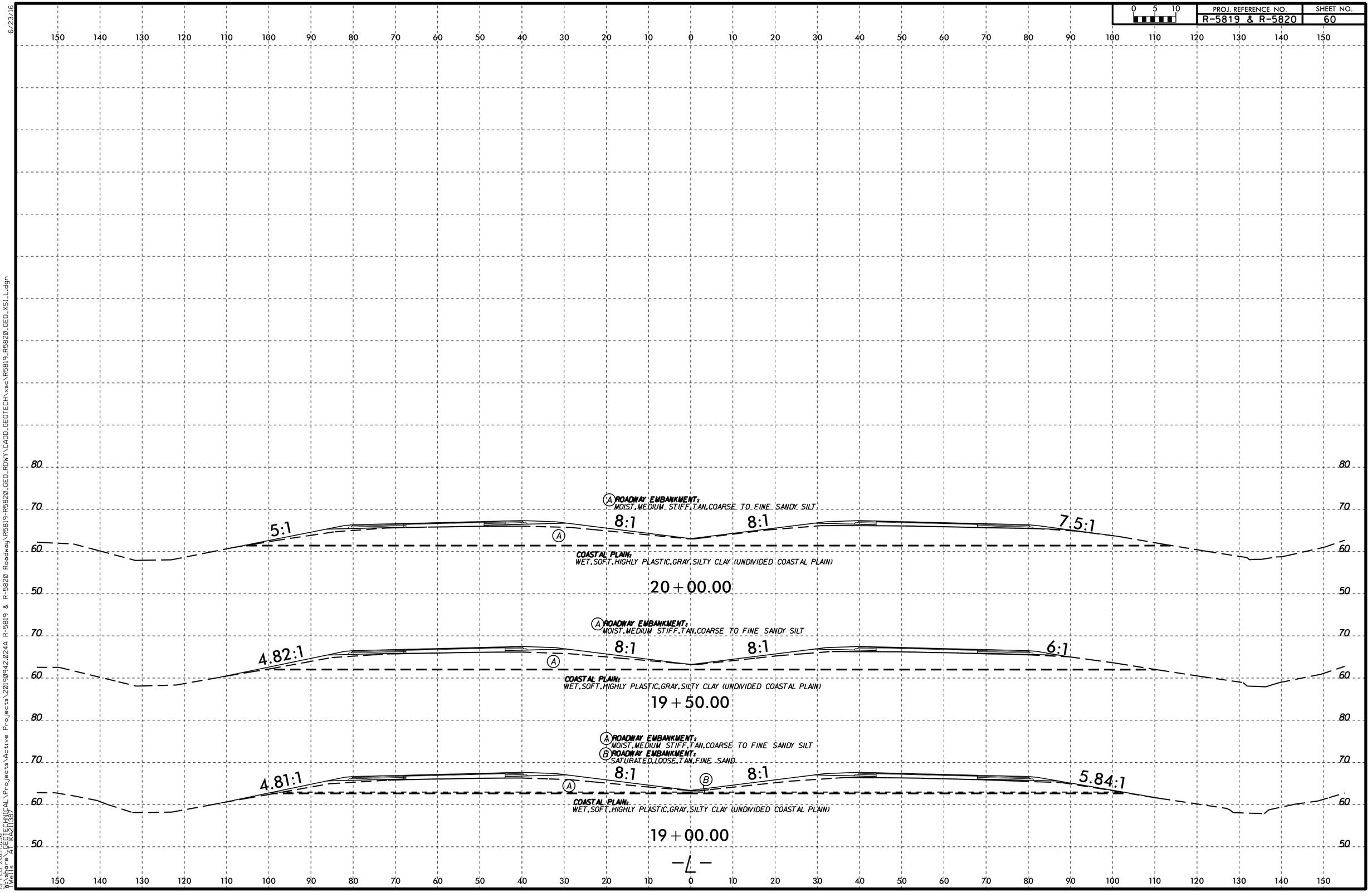
	R-5819 & R-5820	60



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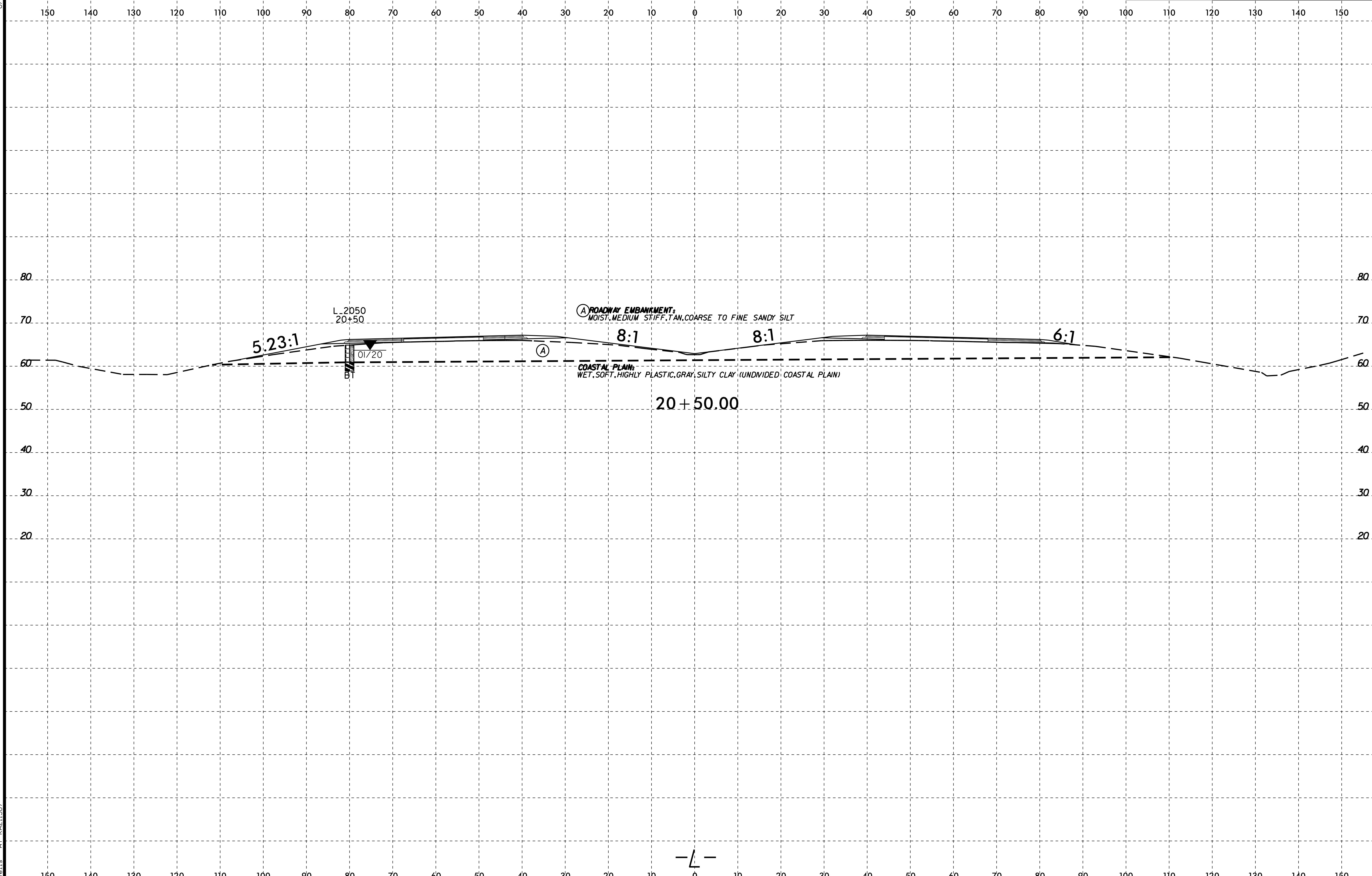
Wells AT KAZI136

PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	61



0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	62

6:1 6:1 8:1 8:1 6:1 6:1

Ⓐ ROADWAY EMBANKMENT:
MOIST, DENSE, BROWN TO TAN, SILTY COARSE TO FINE SAND

ST-1
YL 3704
21+65

36 10 5 2 17 8 32 30 8 10 12 15 50 19 25 17 16

BT
FIAD
01/20

COASTAL PLAIN: MOIST TO WET, STIFF TO VERY SOFT, MODERATELY TO HIGHLY PLASTIC, GRAY TO ORANGE, COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

COASTAL PLAIN: SATURATED, SOFT, GRAY, LIMESTONE (WACCAMAW FORMATION)

COASTAL PLAIN: WET TO SATURATED, LOOSE TO DENSE, DARK BROWN, CLAYEY COARSE TO FINE SAND (PEEDEE FORMATION)

WET, VERY STIFF, HIGHLY PLASTIC, DARK GRAY, SILTY CLAY (PEEDEE FORMATION)

WET, MEDIUM DENSE, DARK GRAY, CLAYEY FINE TO COARSE SAND (PEEDEE FORMATION)

21+50.00

—L—

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 -10 -20 -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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Wells AT KA21387

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	63

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

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

(A) ROADWAY EMBANKMENT:
MOIST, DENSE, TAN, SILTY COARSE TO FINE SAND

(B) ROADWAY EMBANKMENT:
MOIST, SOFT, MODERATELY PLASTIC, GRAY, SILTY CLAY

ST-2
YI_3954
21+87

6:1 6:1 8:1 8:1 6:1 6:1

(A) (B)

(41) (4) (4) (2) (16) (7) (30) (24) (7) (11) (8) (20) (43) (27) (18) (16) (14) (18)

BT
FIAD
01/20

COASTAL PLAIN:
MOIST TO WET, SOFT, HIGHLY PLASTIC, GRAY, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

COASTAL PLAIN:
SATURATED, SOFT, GRAY, LIMESTONE (WACCAMAW FORMATION)

COASTAL PLAIN:
WET TO SATURATED, LOOSE TO DENSE, GRAY TO DARK BROWN, CLAYEY COARSE TO FINE SAND (PEEDEE FORMATION)

MOIST, VERY STIFF, MODERATELY PLASTIC, DARK GRAY, SILTY CLAY (PEEDEE FORMATION)

WET, MEDIUM DENSE, MODERATELY PLASTIC, DARK GRAY, CLAYEY COARSE TO FINE SAND (PEEDEE FORMATION)

MOIST, VERY STIFF, HIGHLY PLASTIC, DARK GRAY, SILTY CLAY (PEEDEE FORMATION)

22+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

6/23/16

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Wells AT KA21138

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	64

DETI_2695
23+46

6:1 6:1 8:1 8:1 6:1

01/20

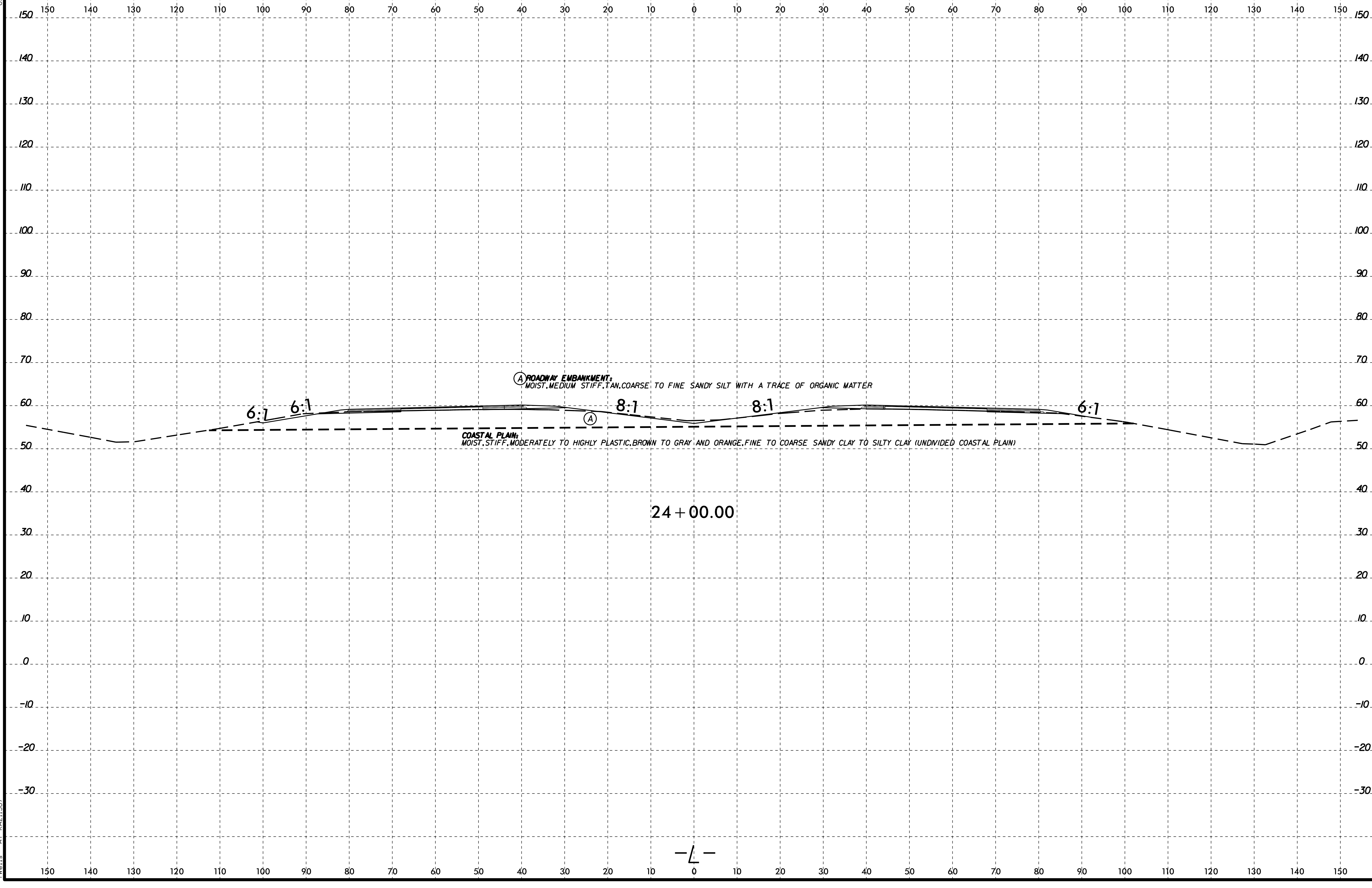
BT

ROADWAY EMBANKMENT:
MOIST, LOOSE, TAN, COARSE TO FINE SANDY SILT

COASTAL PLAIN: MOIST, STIFF, MODERATELY TO HIGHLY PLASTIC, BROWN TO GRAY AND ORANGE, FINE TO COARSE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

23+50.00

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	65



6/23/16

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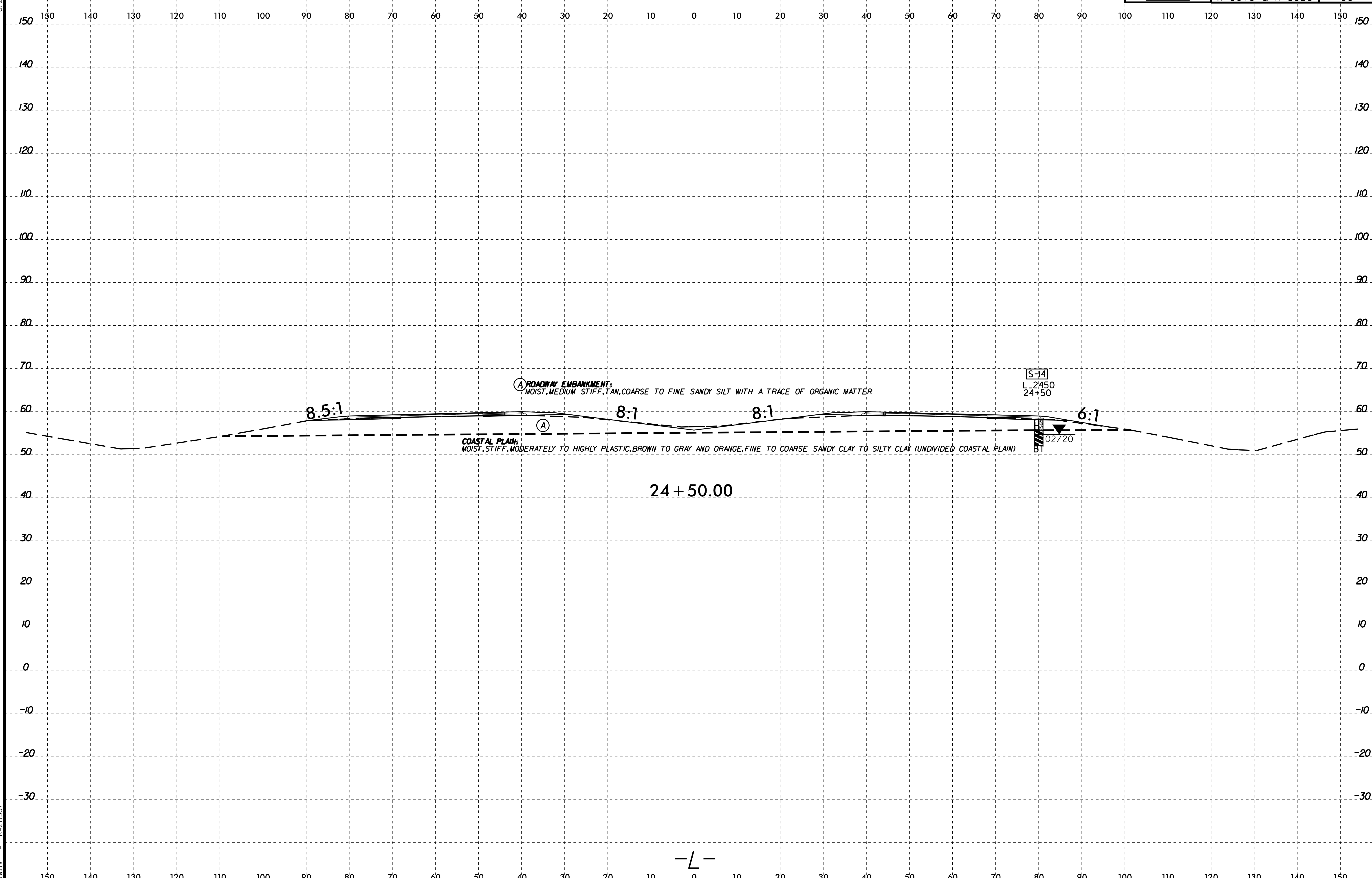
15-FEB-2021 15:56
TWells AT KA211387

PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	66



6/23/16

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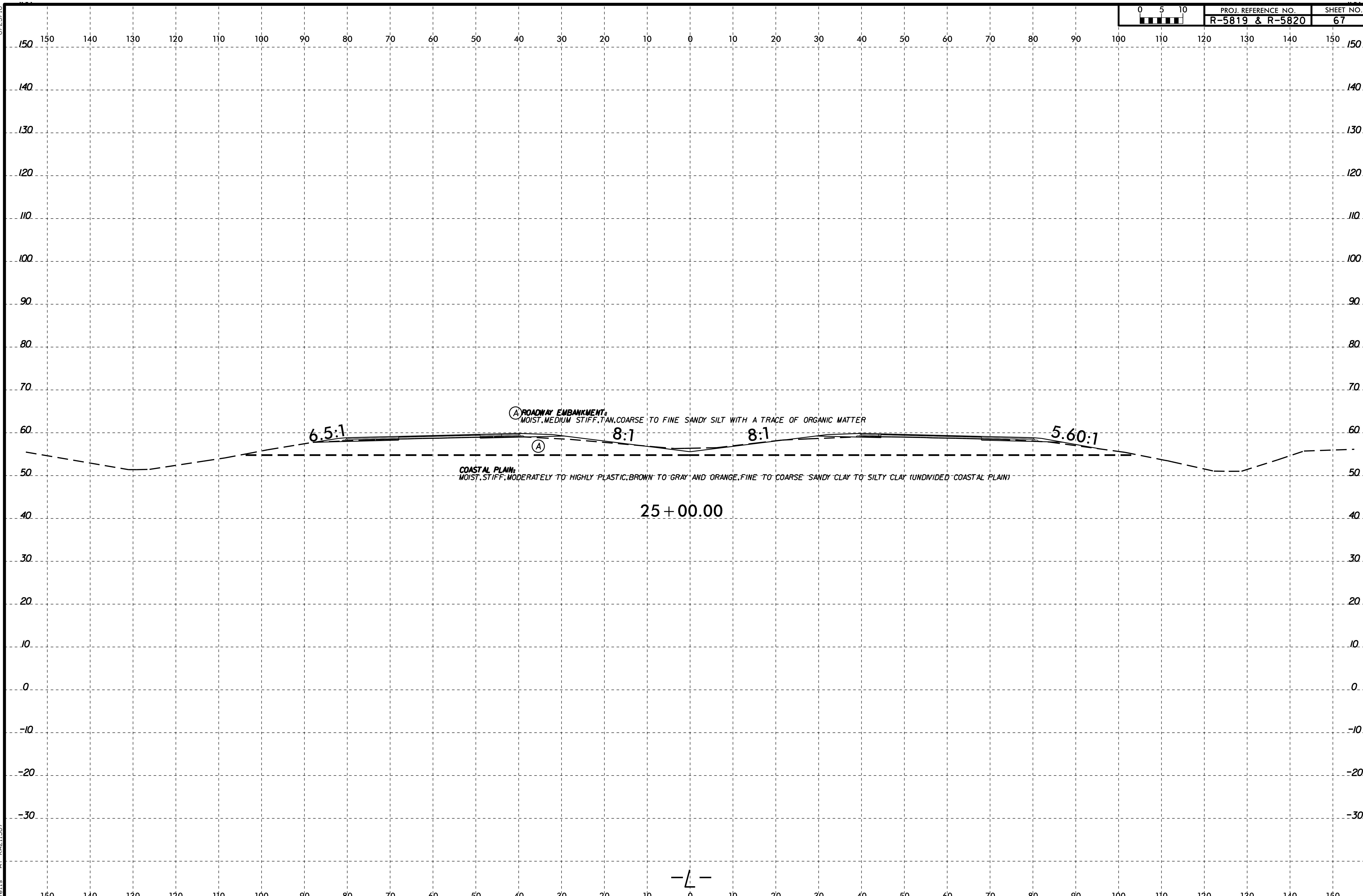
TWells AT KA211387

PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	67



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TWells AT KA211387

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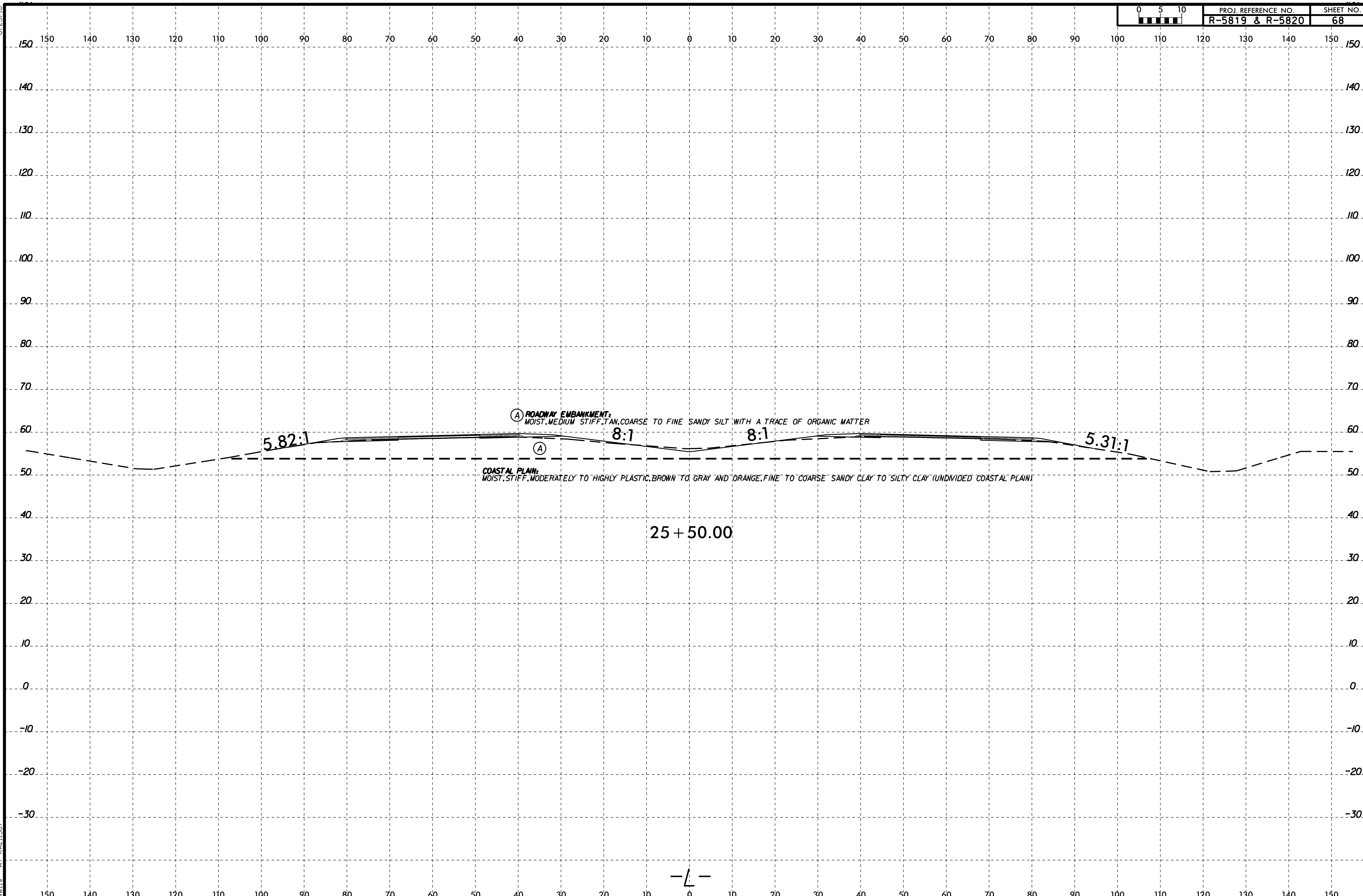
R-5819 & R-5820	68



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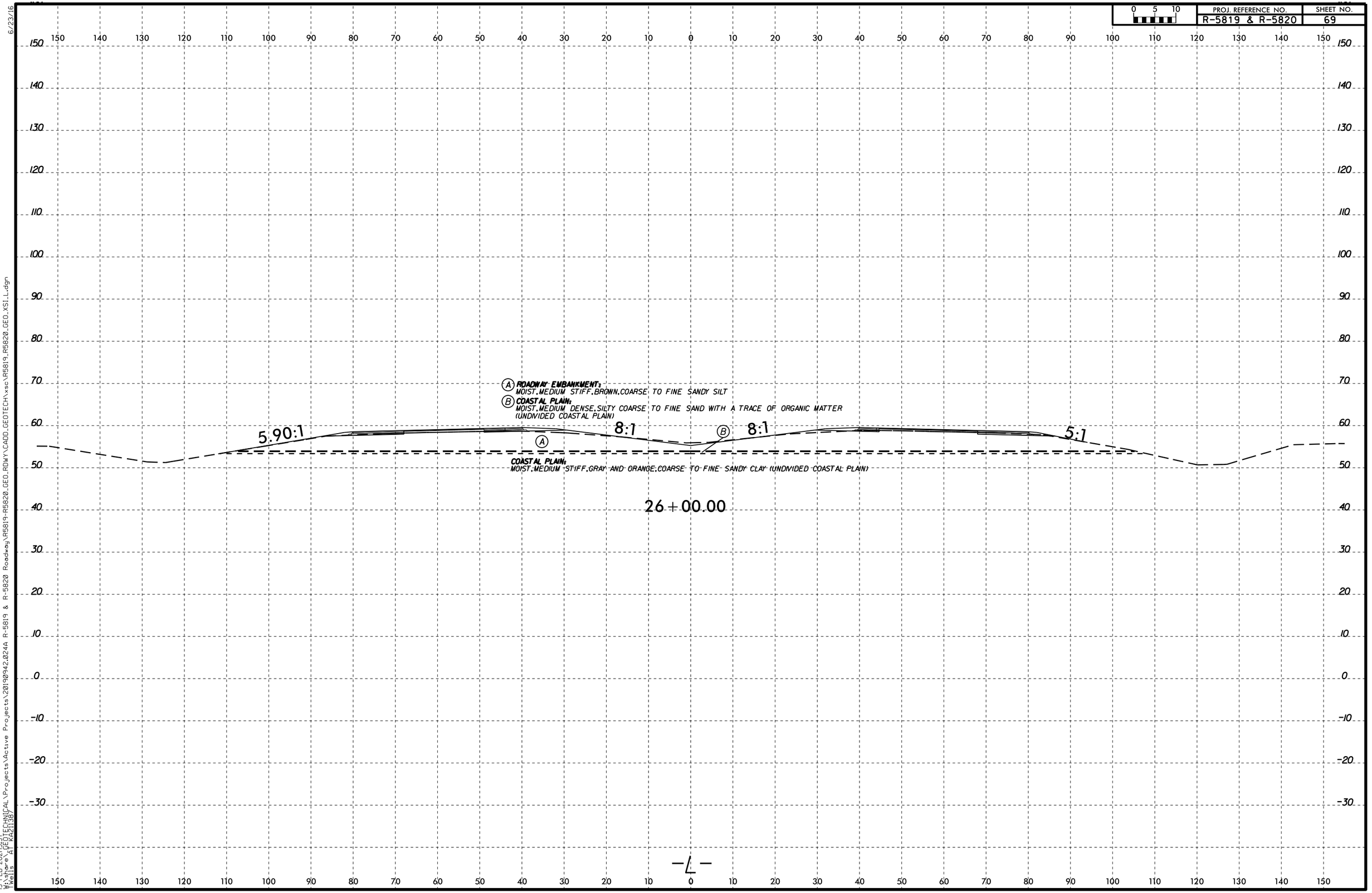
TWells AT KA211387



0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	70

S-15
L_2650
26+50

01/20

(A) **ROADWAY EMBANKMENT:**
MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY SILT

(B) **COASTAL PLAIN:**
MOIST, MEDIUM DENSE, SILTY COARSE TO FINE SAND (UNDIVIDED COASTAL PLAIN)

5.83:1 8:1 8:1 6:1

COASTAL PLAIN:
MOIST, MEDIUM STIFF, GRAY AND ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

26+50.00

—L—

6/23/16

15-FEB-2021 15:57
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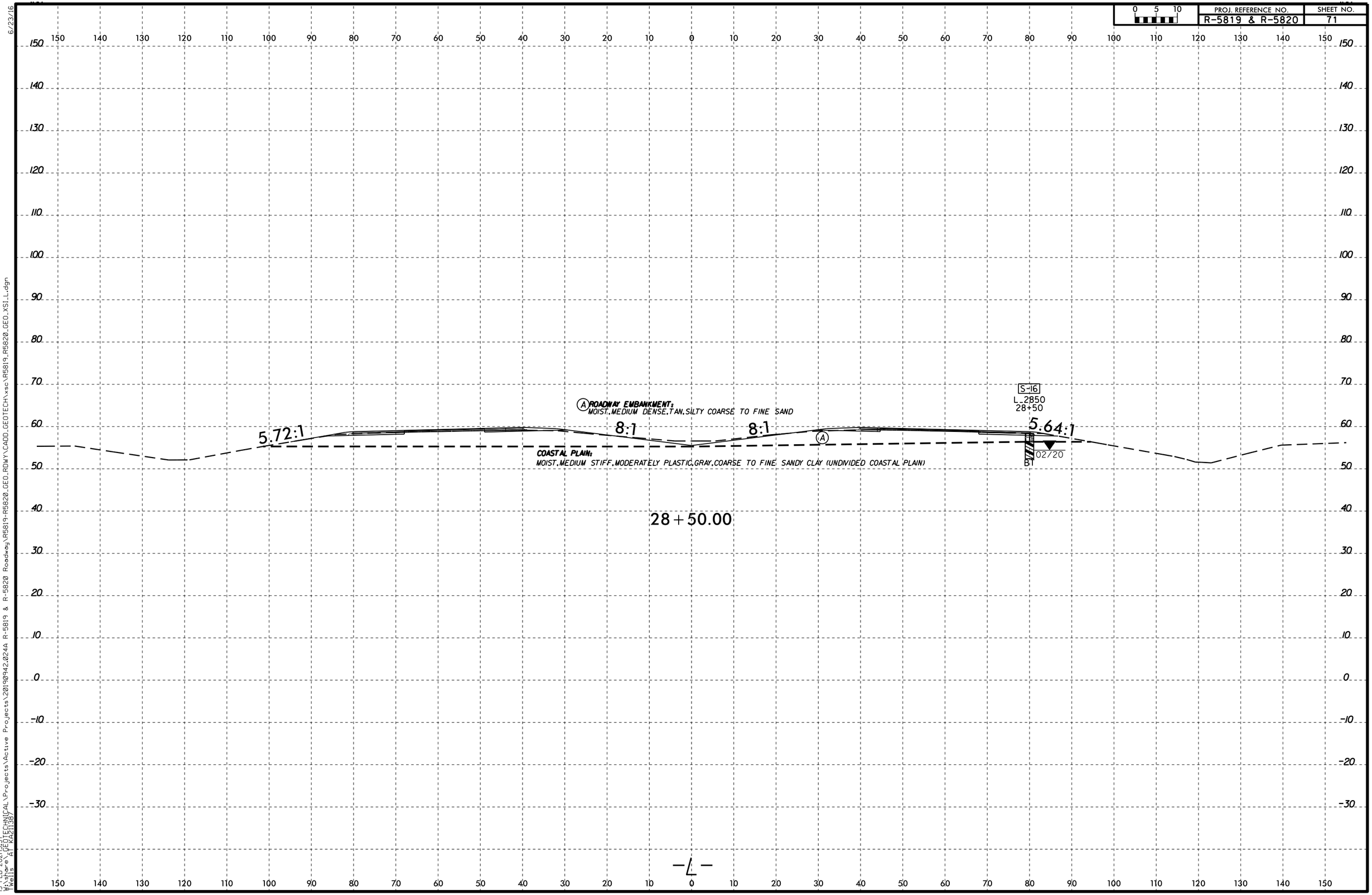
Wells AT KA21197



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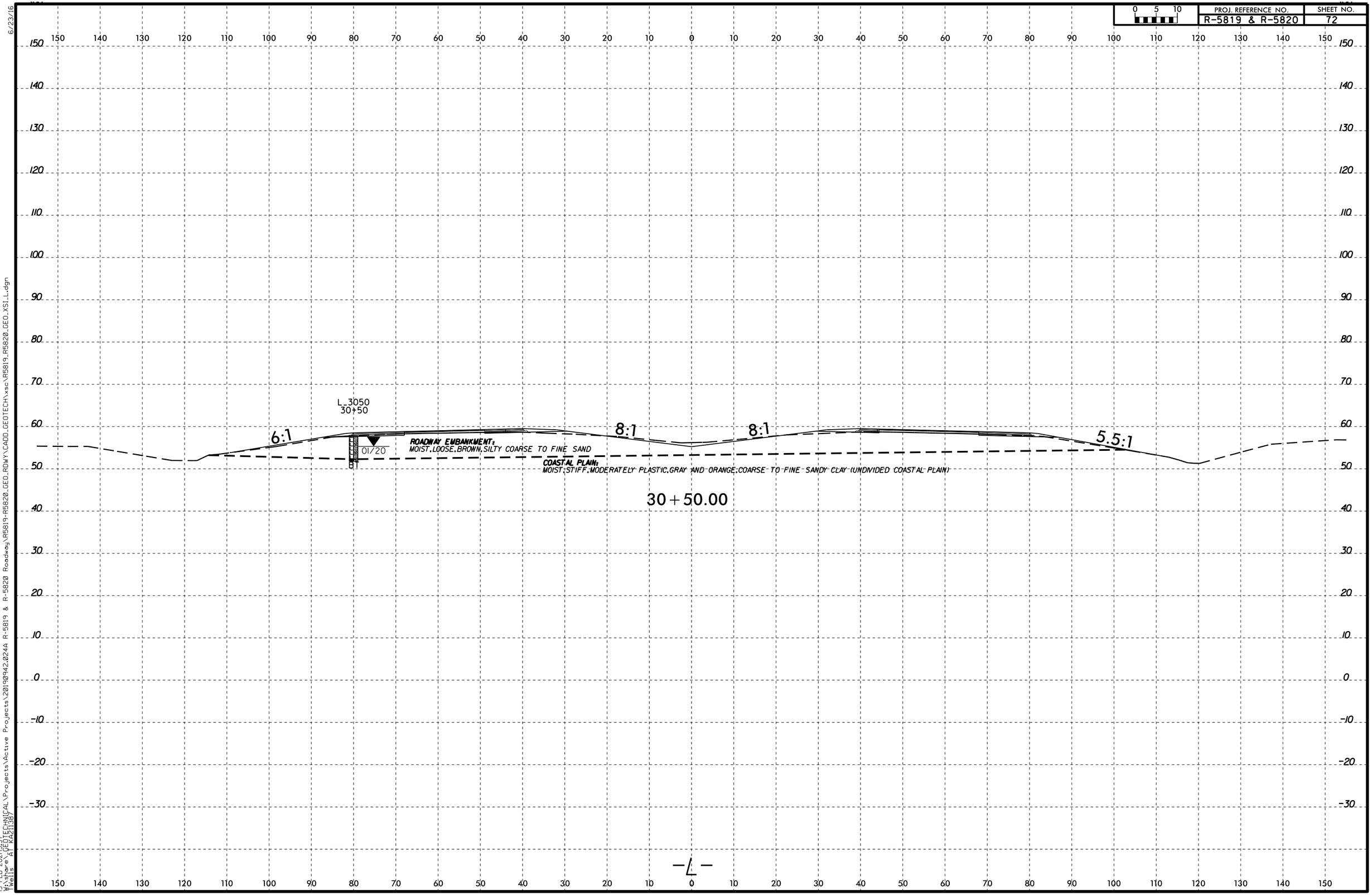
	R-5819 & R-5820	72



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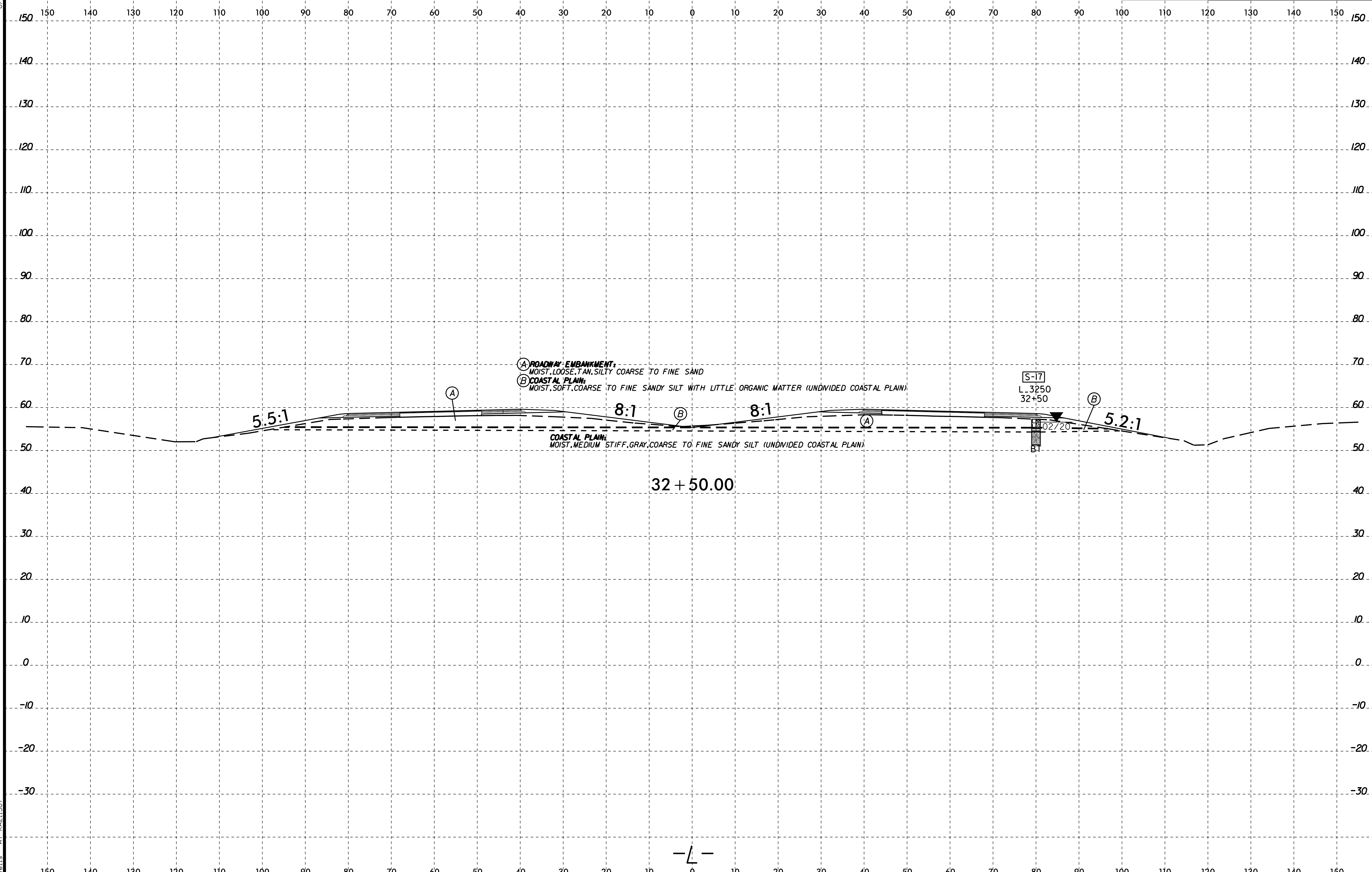
R-5819 & R-5820	73



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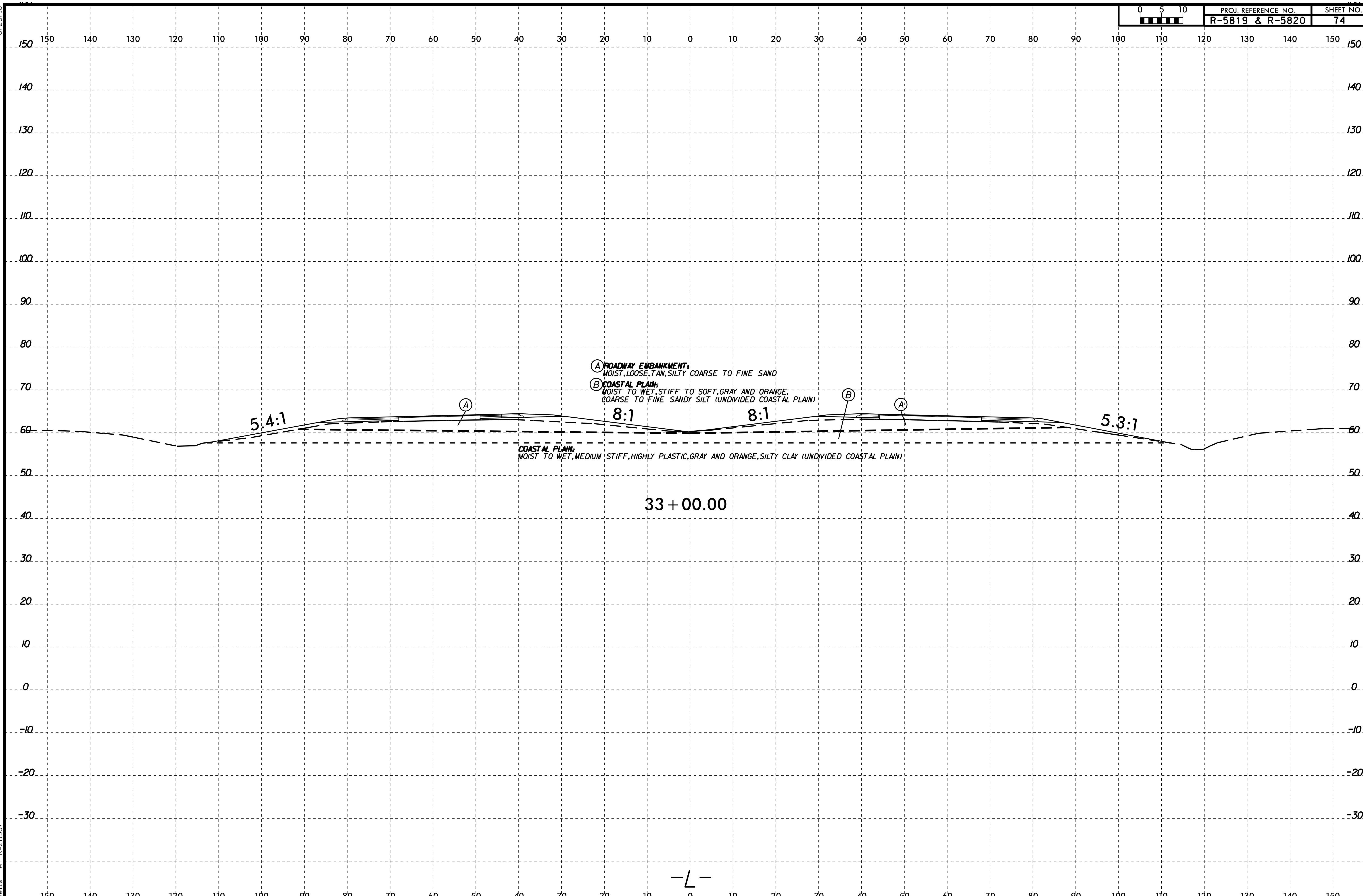
R-5819 & R-5820	74



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TWells AT KA211387

–Y1RPA– STA. 18+04.96

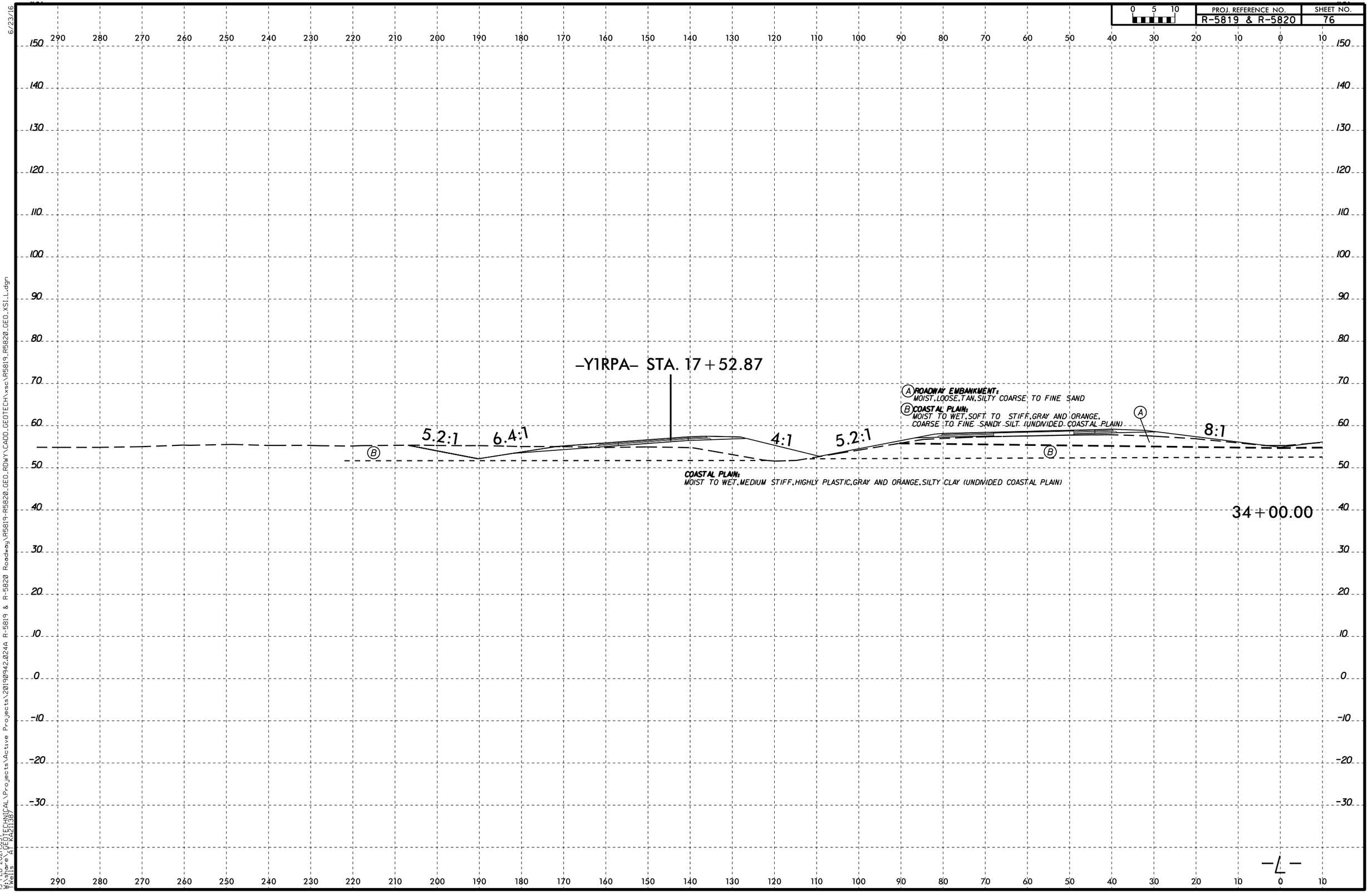
6:1 6.5:1 4.1:1 5.6:1 8:1

Ⓐ **ROADWAY EMBANKMENT:**
MOIST, LOOSE, TAN, SILTY COARSE TO FINE SAND

Ⓑ **COASTAL PLAIN:**
MOIST TO WET, STIFF TO SOFT, GRAY AND ORANGE, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

COASTAL PLAIN:
MOIST TO WET, MEDIUM STIFF, HIGHLY PLASTIC, GRAY AND ORANGE, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

33+50.00



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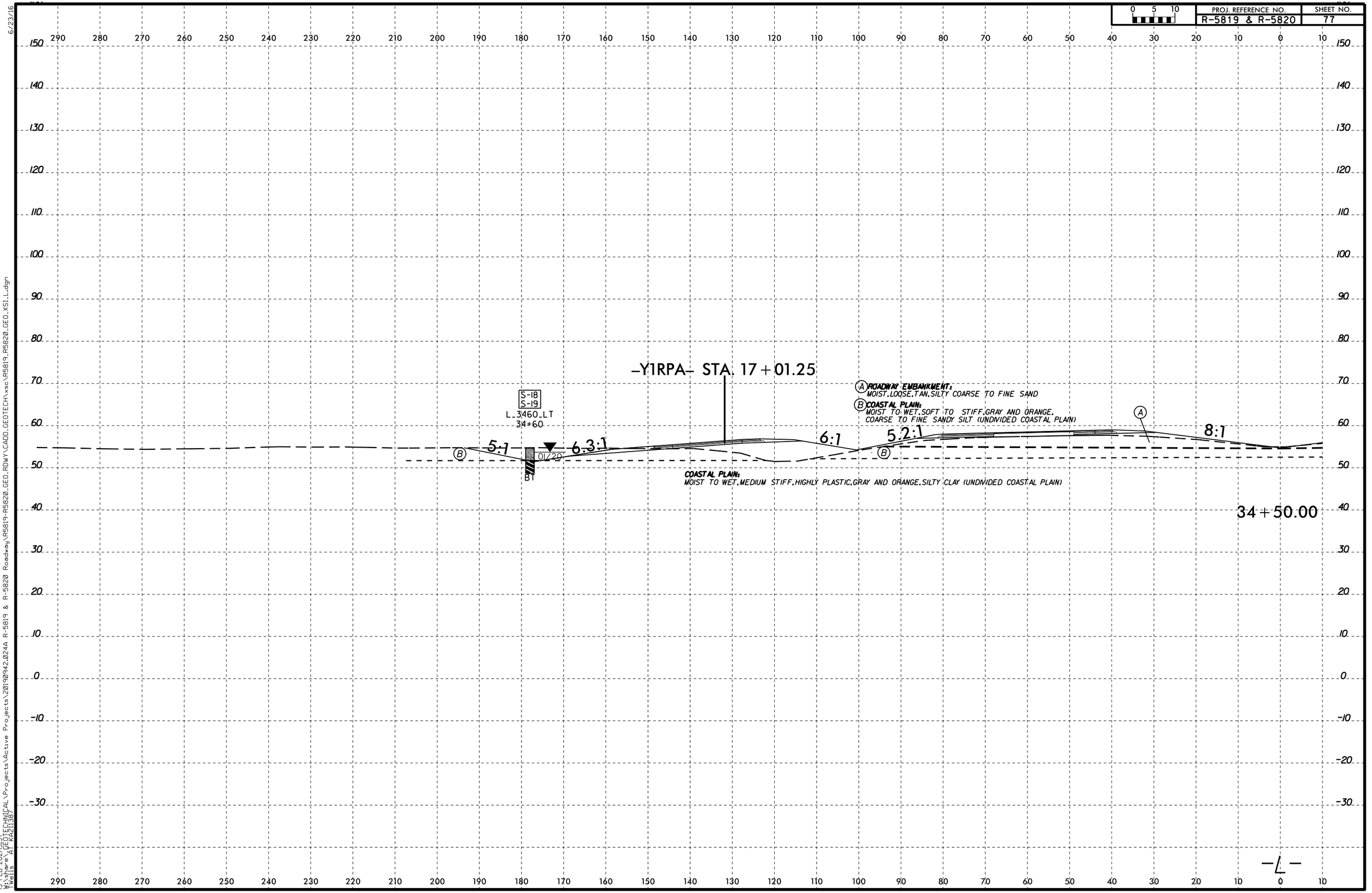
	R-5819 & R-5820	77



-Y1RPA- STA. 16+50.04

4.16:1 6.2:1 6:1 5.2:1 8:1

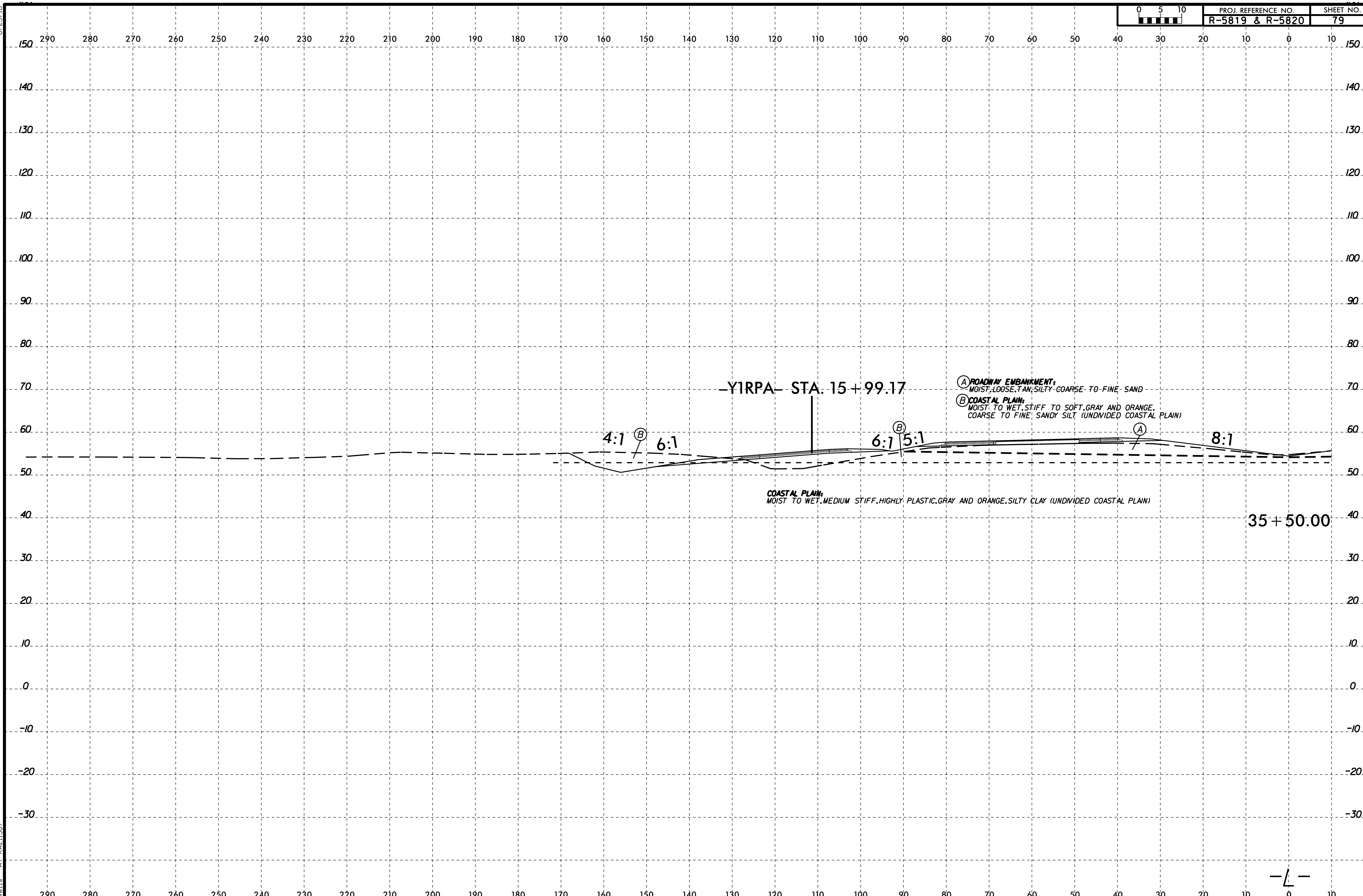
(A) **ROADWAY EMBANKMENT:**
MOIST, LOOSE, TAN, SILTY COARSE TO FINE SAND

(B) **COASTAL PLAIN:**
MOIST TO WET, STIFF TO SOFT, GRAY AND ORANGE, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

COASTAL PLAIN:
MOIST TO WET, MEDIUM STIFF, HIGHLY PLASTIC, GRAY AND ORANGE, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

35+00.00

PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	79



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TWells AT KA211387

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	80

–Y1RPA– STA. 15 + 48.58

Ⓐ ROADWAY EMBANKMENT:
MOIST, LOOSE, TAN, SILTY COARSE TO FINE SAND

4:1 6:1 6:1 8:1

COASTAL PLAIN:
MOIST, STIFF, GRAY, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

36 + 00.00

—L—

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Wells AT KA21197

-Y1RPA- STA. 14+98.22

S-22
L_3650
36+50

4.15:1

6:1

01/20

BT

8:1

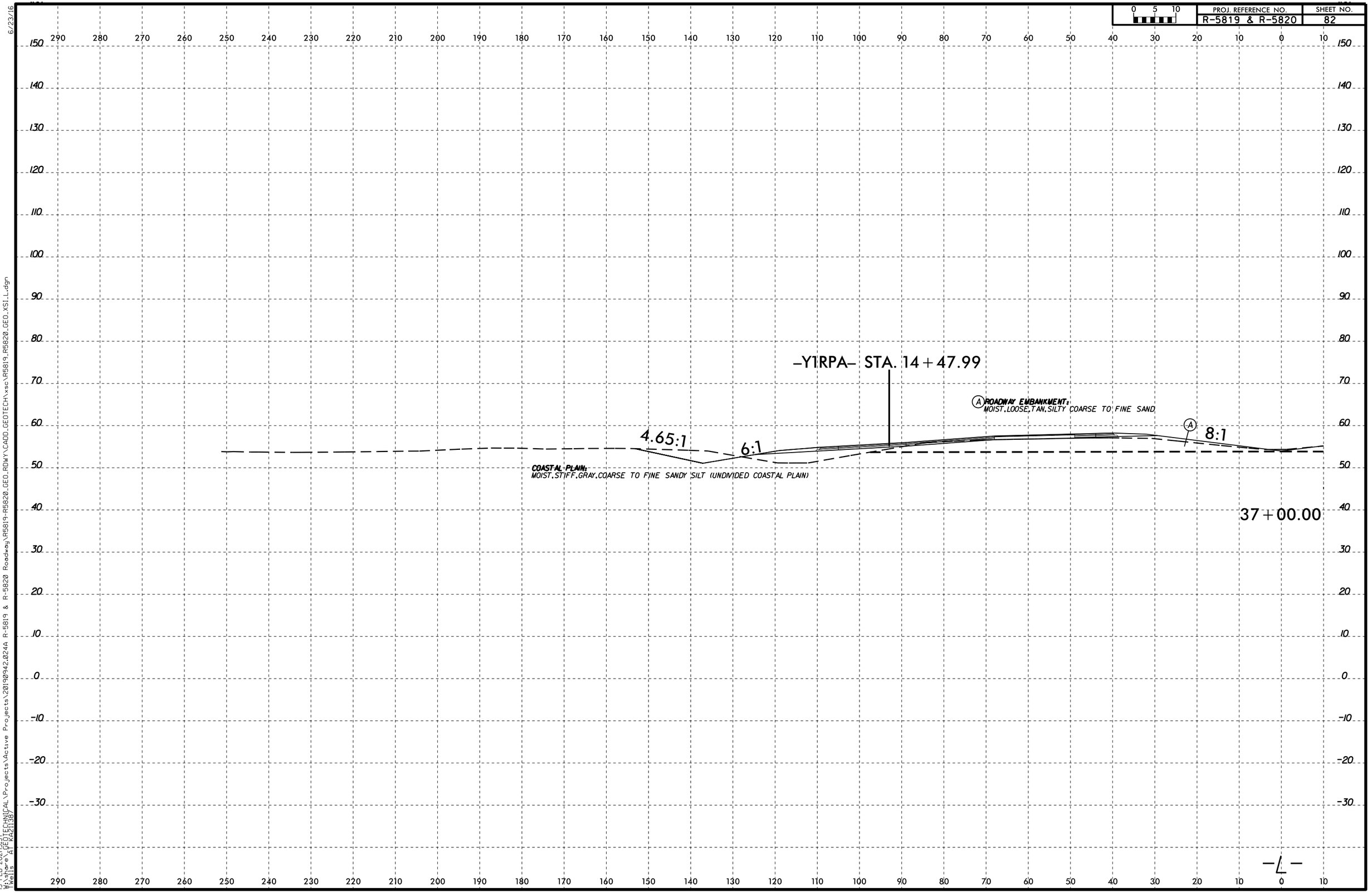
A ROADWAY EMBANKMENT:
MOIST.LOOSE.TAN.SILTY COARSE TO FINE SAND

A

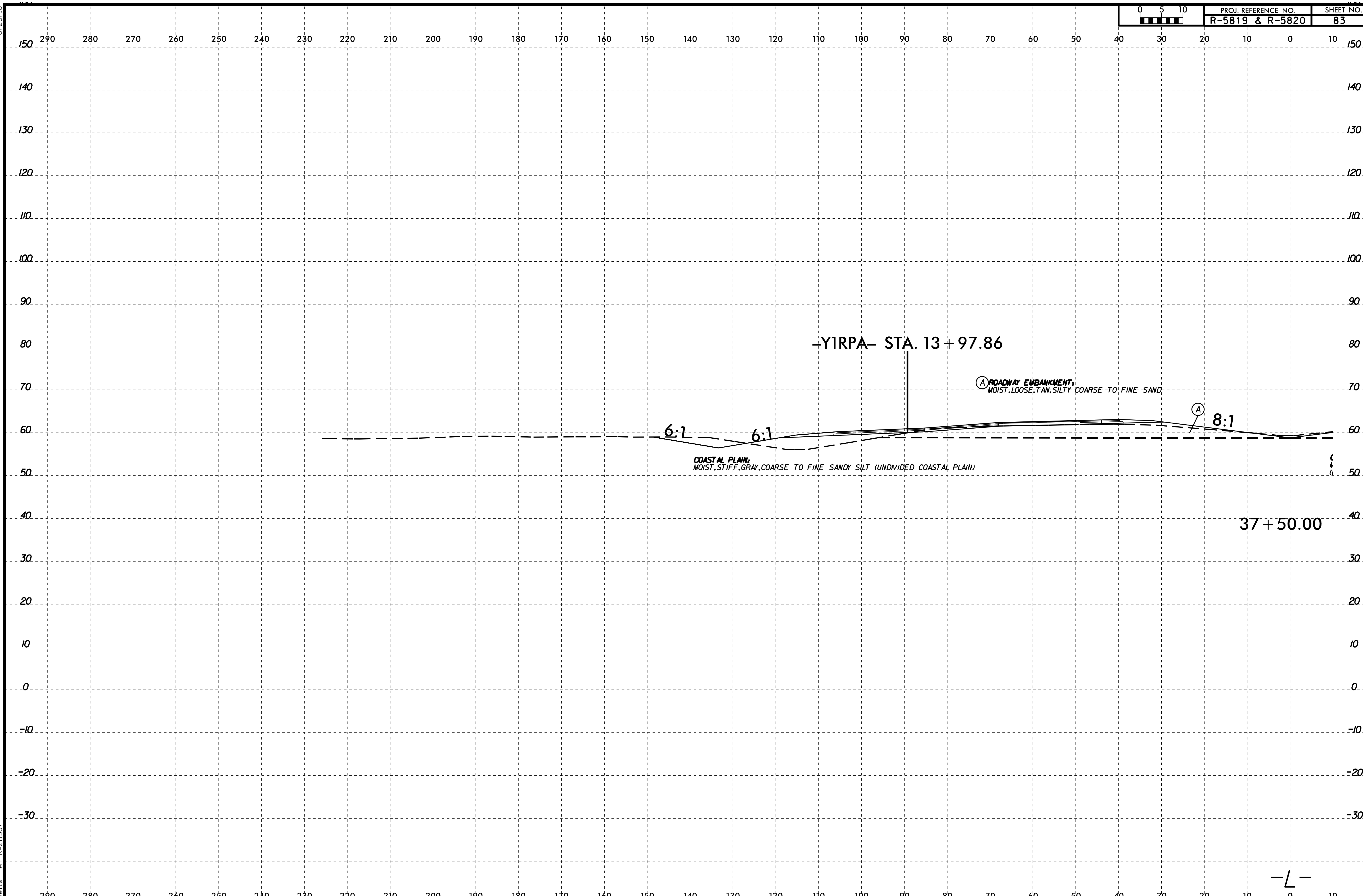
COASTAL PLAIN:
MOIST.STIFF.GRAY.COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

36+50.00

-L-



PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	83



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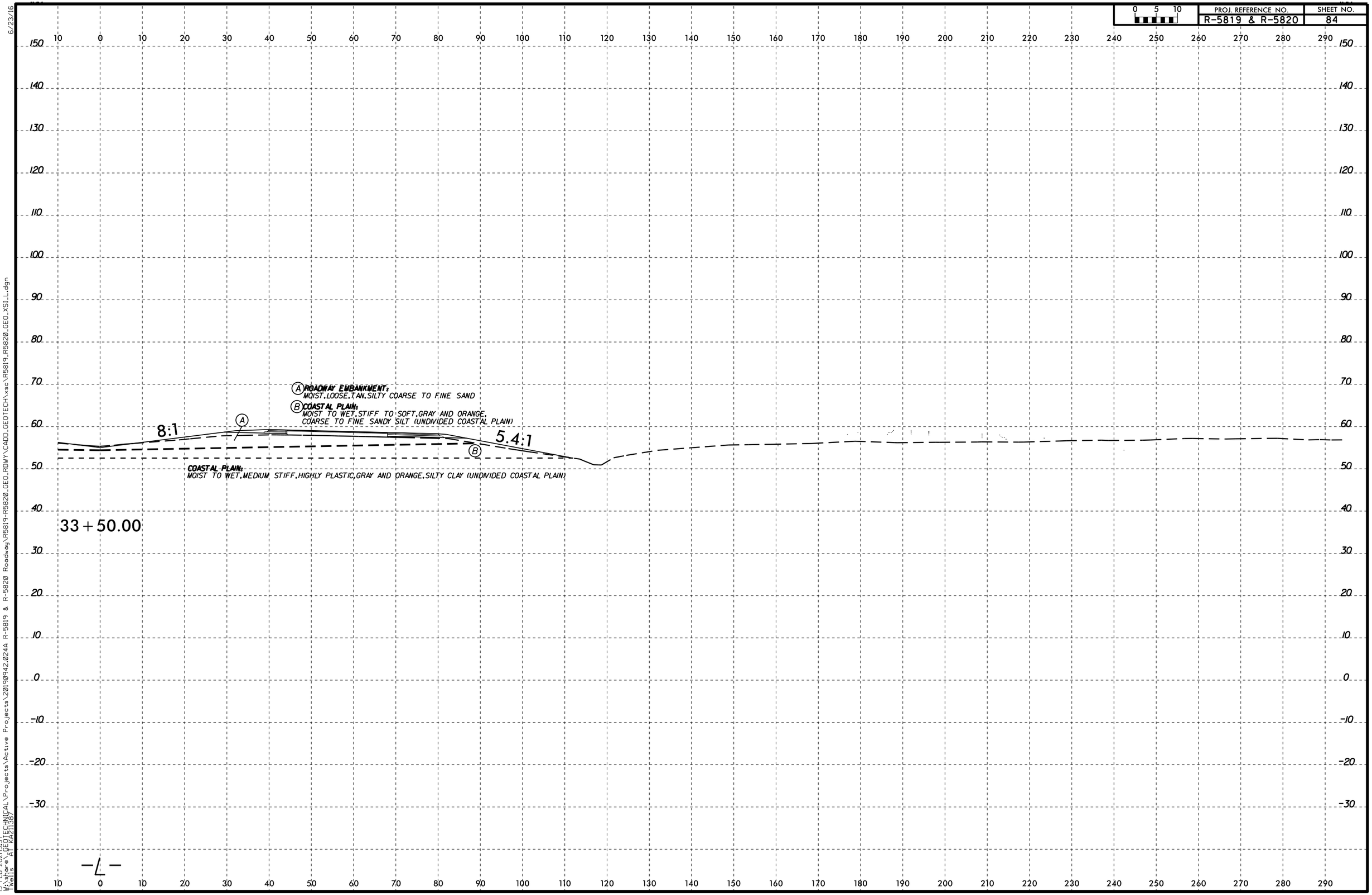
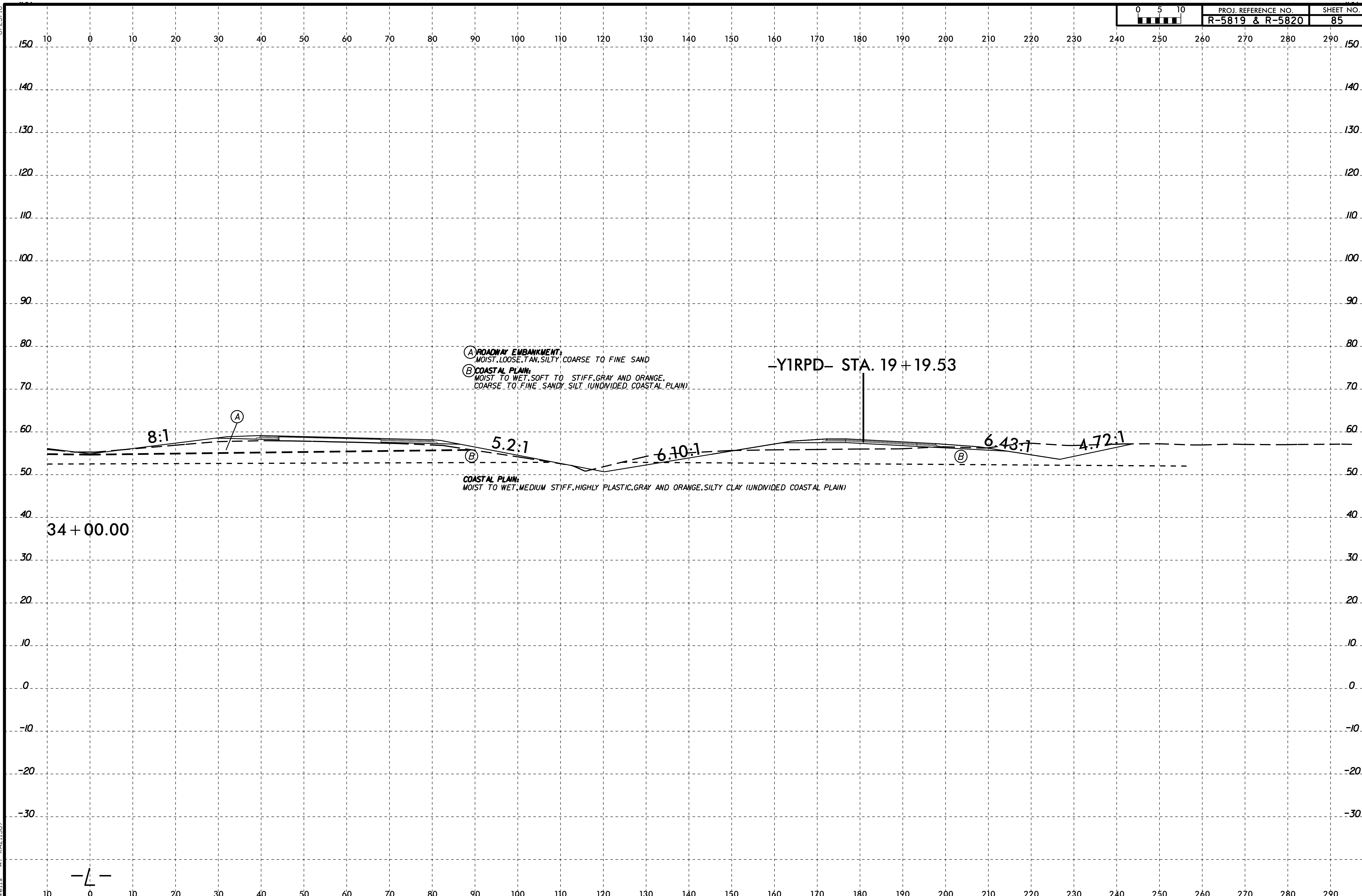
TWells AT KA211387



PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	85



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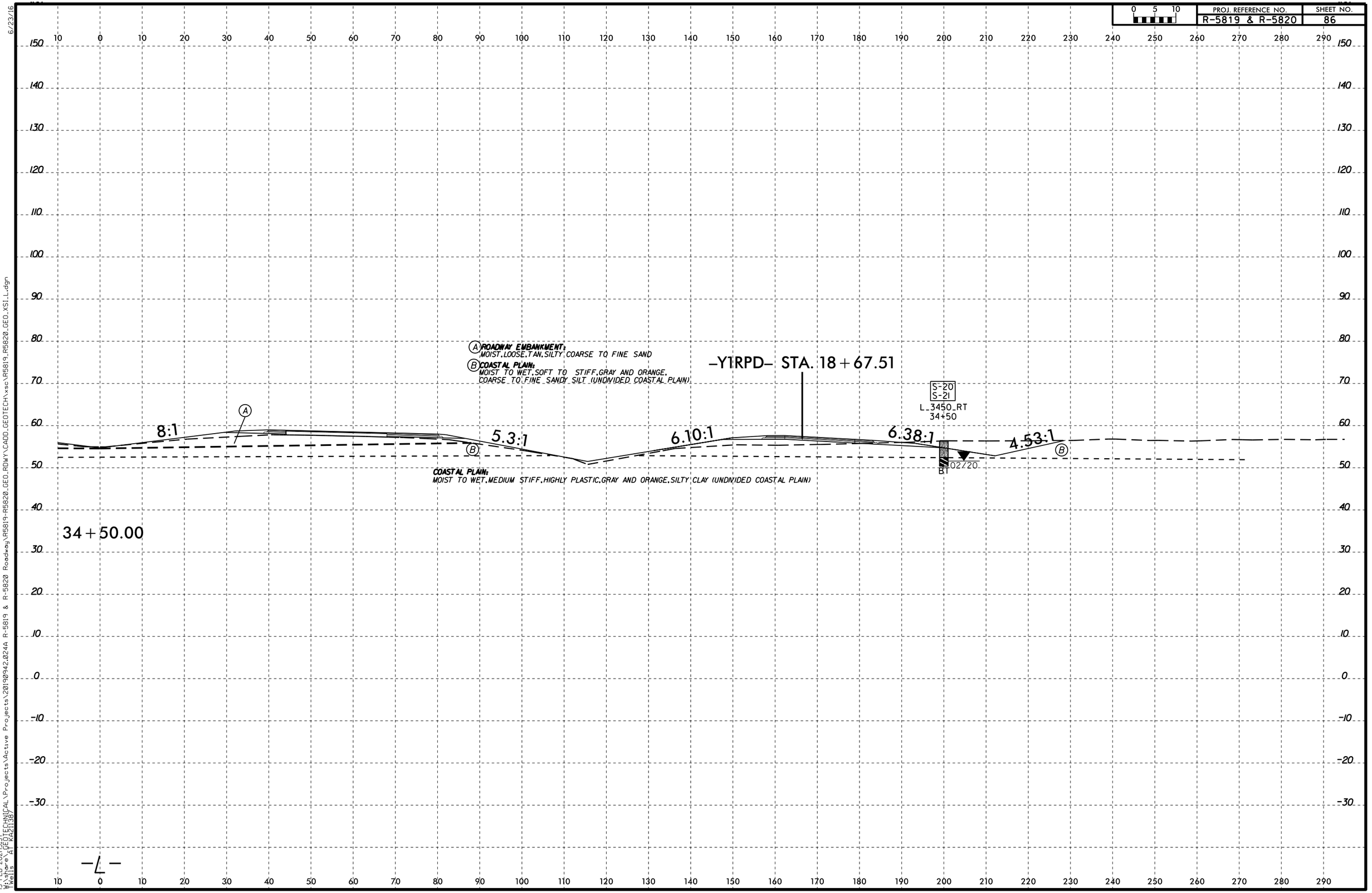
TWells AT KA211387



0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	87

Ⓐ **ROADWAY EMBANKMENT:**
MOIST, LOOSE, TAN, SILTY COARSE TO FINE SAND

Ⓑ **COASTAL PLAIN:**
MOIST TO WET, STIFF TO SOFT, GRAY AND ORANGE, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

–Y1RPD– STA. 18+15.77

8:1 5:1 4:1 6.34:1 4.48:1

COASTAL PLAIN:
MOIST TO WET, MEDIUM STIFF, HIGHLY PLASTIC, GRAY AND ORANGE, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

35+00.00

–L–

6/23/16

I5-FEB-2021 15:57
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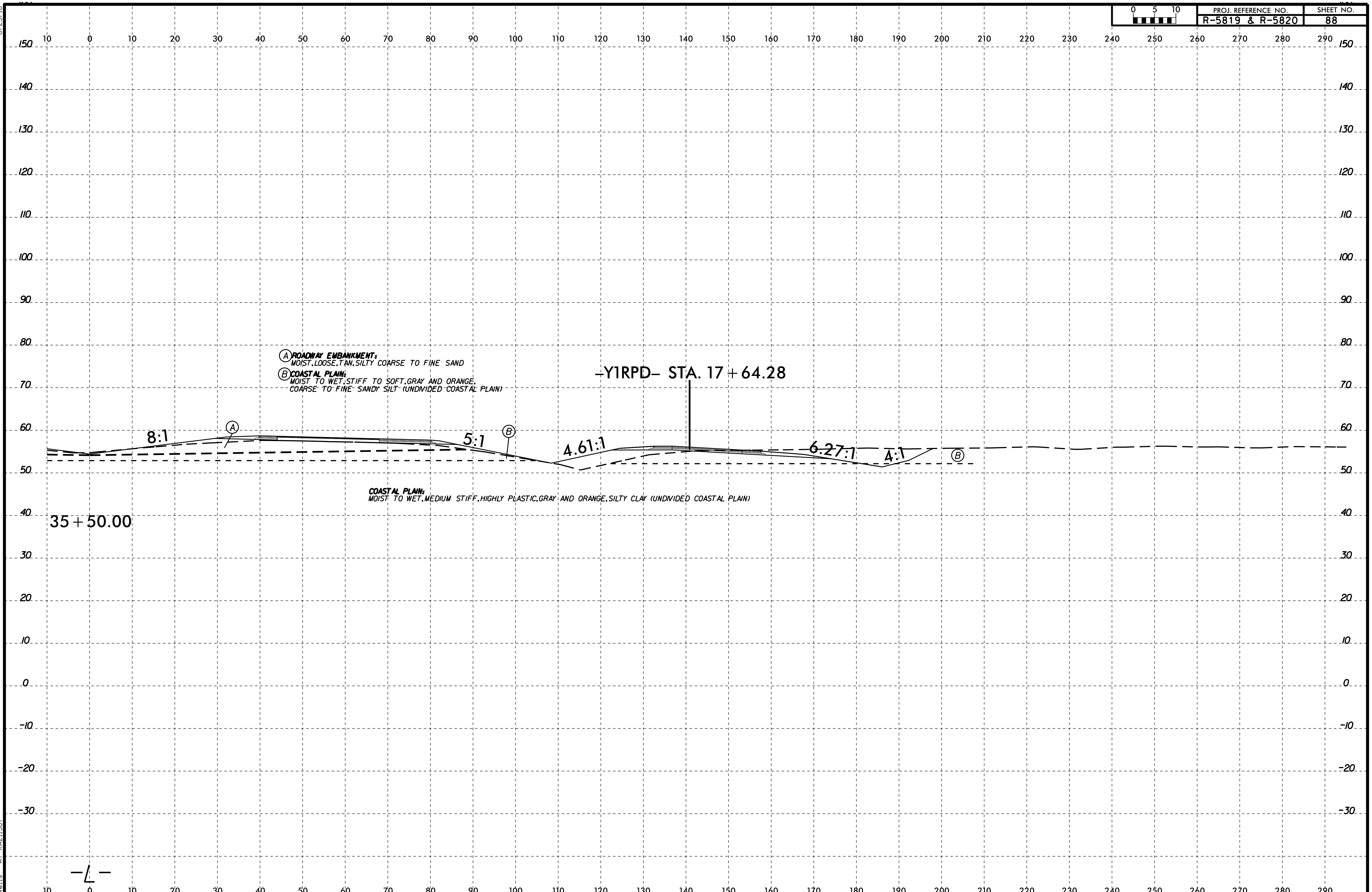
Wells AT KA21138

PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	88



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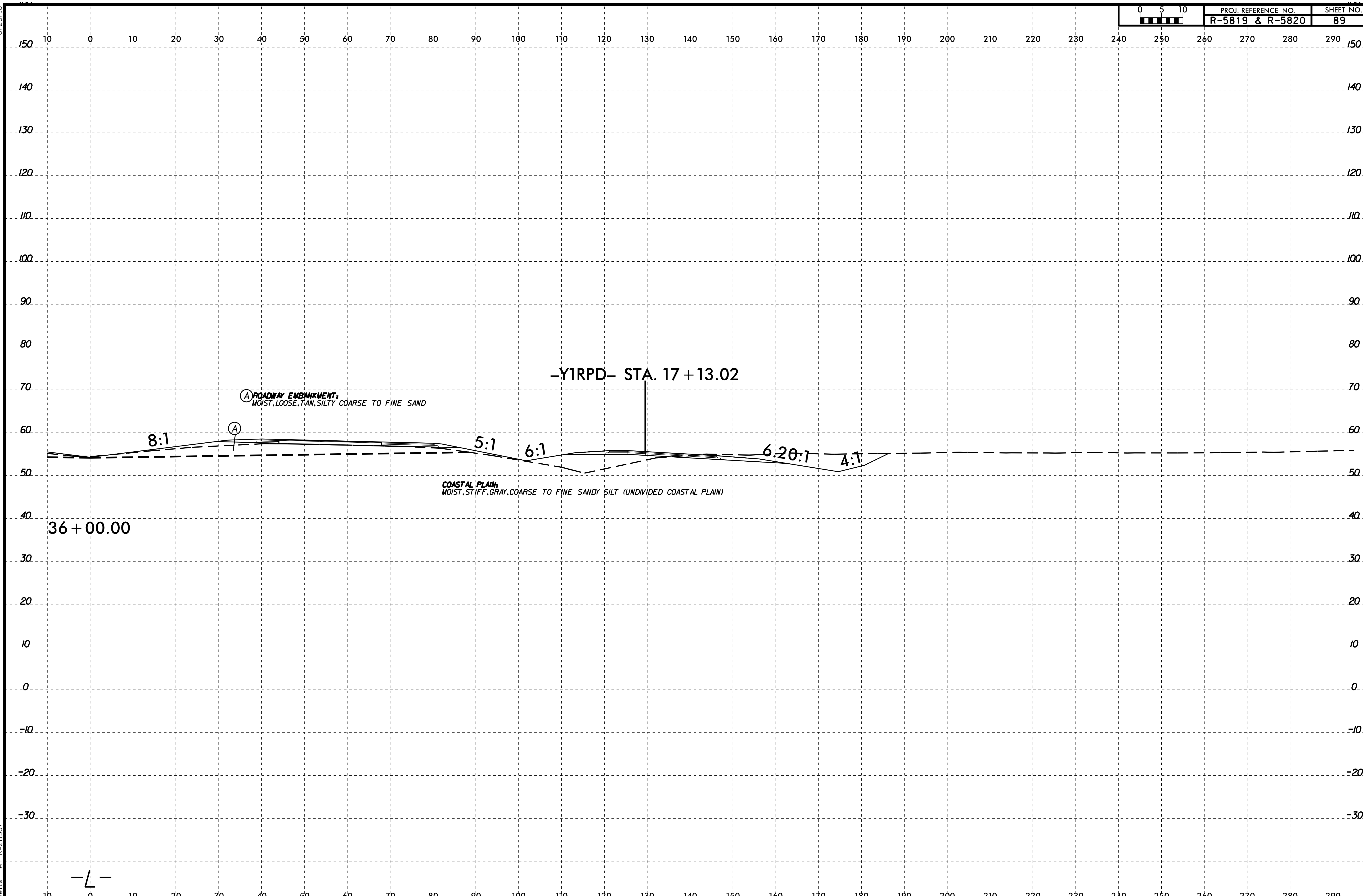
Twells AT KA211387

PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	89



6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	90

-Y1RPD- STA. 16+61.97

(A) **ROADWAY EMBANKMENT:**
MOIST.LOOSE.TAN.SILTY COARSE TO FINE SAND

8:1 4.6:1 6:1 6.14:1 4:1

COASTAL PLAIN:
MOIST.STIFF.GRAY.COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

36+50.00

-L-

6/23/16

15-FEB-2021 15:57
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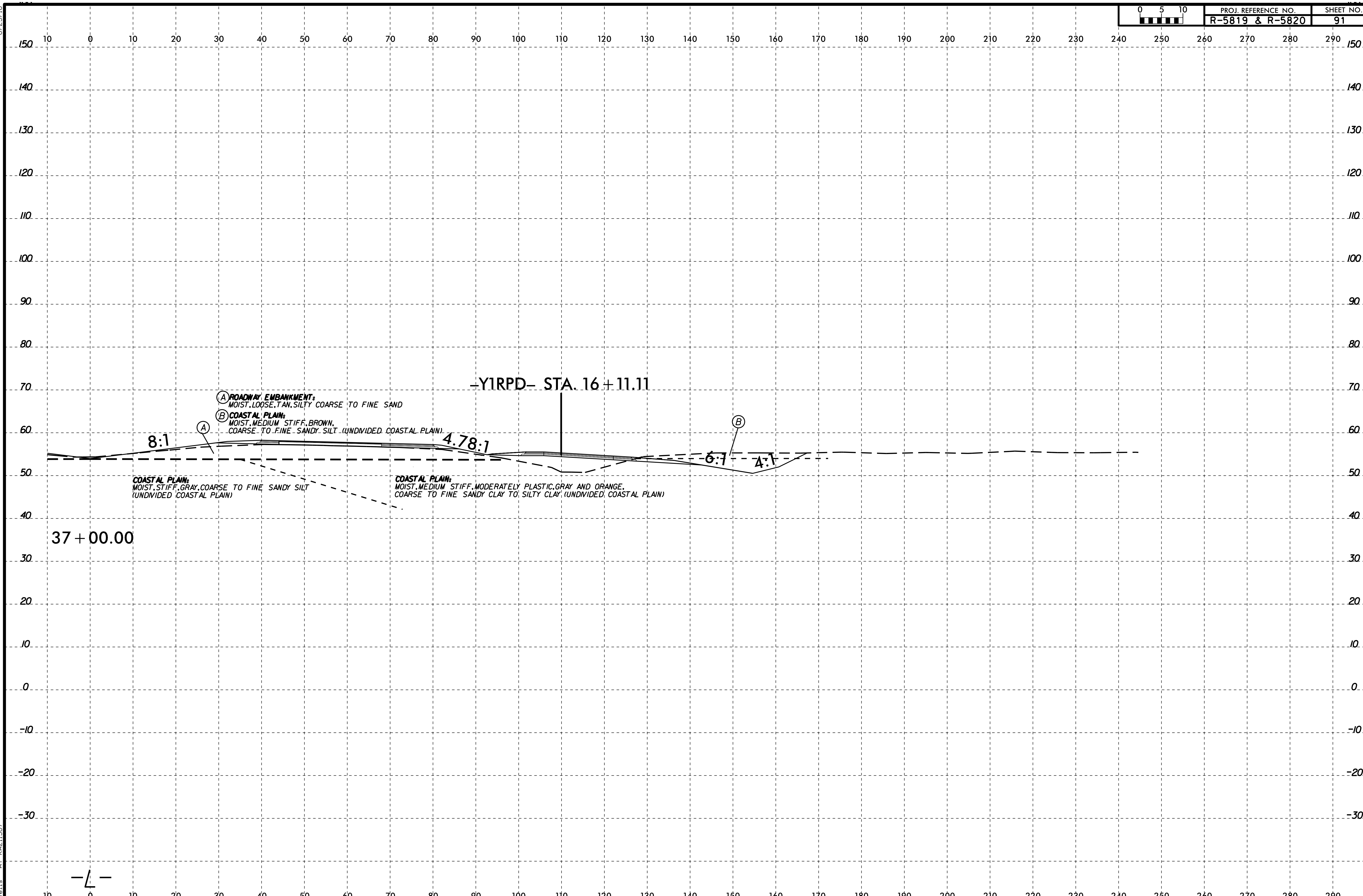
Wells AT KA21138


-Y1RPD- STA. 16+11.11
(A) ROADWAY EMBANKMENT:
MOIST, LOOSE, TAN, SILTY COARSE TO FINE SAND
(B) COASTAL PLAIN:
MOIST, MEDIUM STIFF, BROWN,
COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)
8:1
4.78:1
6:1
4:1
COASTAL PLAIN:
MOIST, STIFF, GRAY, COARSE TO FINE SANDY SILT
(UNDIVIDED COASTAL PLAIN)
COASTAL PLAIN:
MOIST, MEDIUM STIFF, MODERATELY PLASTIC, GRAY AND ORANGE,
COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)
37+00.00
-L-

-Y1RPD- STA. 15+60.41

A ROADWAY EMBANKMENT:
MOIST, LOOSE, TAN, SILTY COARSE TO FINE SAND

B COASTAL PLAIN:
MOIST, MEDIUM STIFF, BROWN,
COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

8:1

4.33:1

6:1

4:1

COASTAL PLAIN:
MOIST, STIFF, GRAY, COARSE TO FINE SANDY SILT
(UNDIVIDED COASTAL PLAIN)

COASTAL PLAIN:
MOIST, MEDIUM STIFF, MODERATELY PLASTIC, GRAY AND ORANGE,
COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

37+50.00

-L-

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	93

–Y1RPA– STA. 13 + 47.77

–Y1RPD– STA. 15 + 09.86

38 + 00.00

6:1 6:1 8:1 8:1 6:1 4:1

(A) **ROADWAY EMBANKMENT:**
MOIST, LOOSE, TAN, SILTY COARSE TO FINE SAND

(B) **COASTAL PLAIN:**
MOIST, MEDIUM STIFF, BROWN,
COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

COASTAL PLAIN:
MOIST, STIFF, GRAY, COARSE TO FINE SANDY SILT
(UNDIVIDED COASTAL PLAIN)

COASTAL PLAIN:
MOIST, MEDIUM STIFF, MODERATELY PLASTIC, GRAY AND ORANGE,
COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

–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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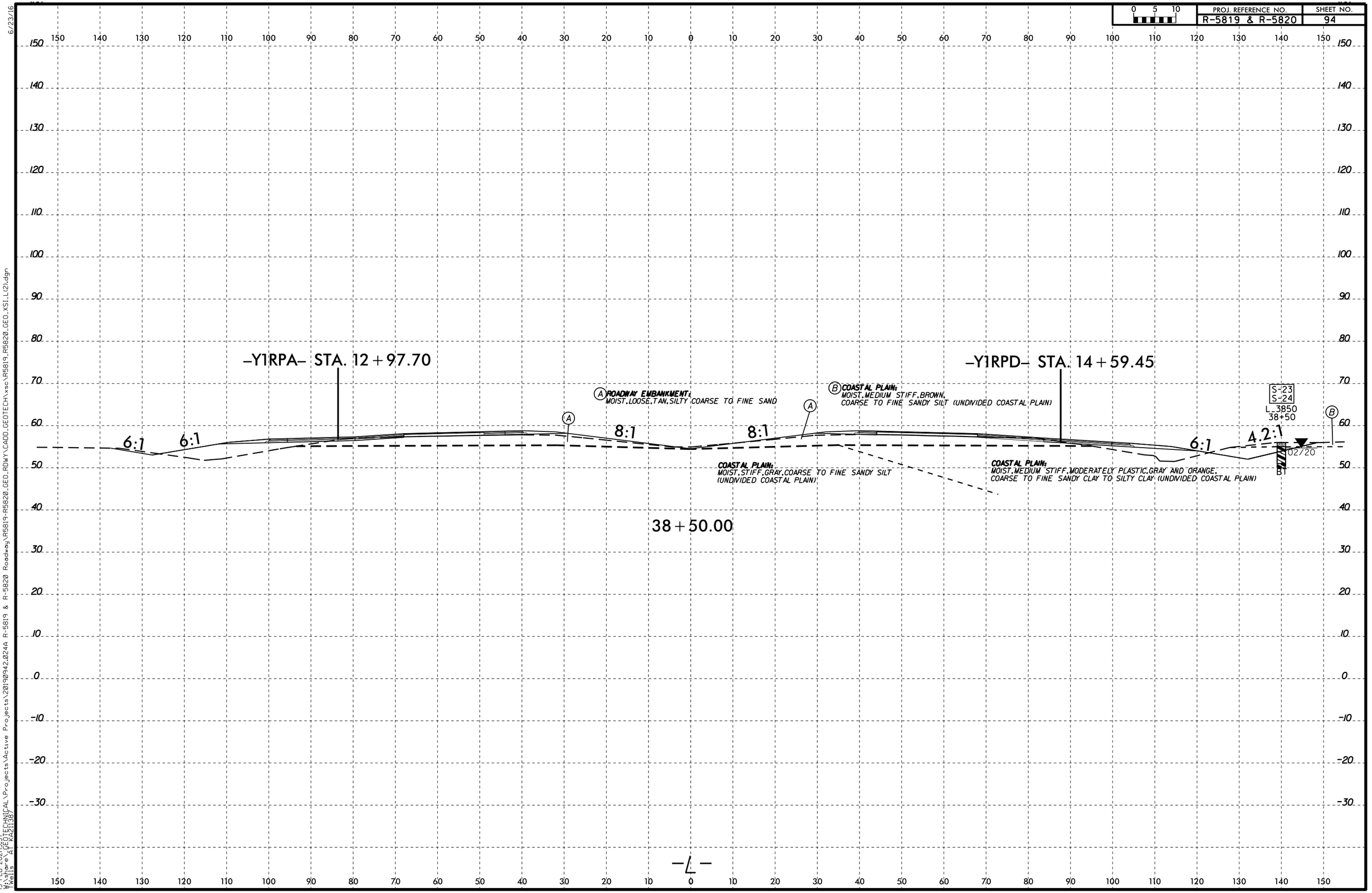


–Y1RPA– STA. 12+47.63

–Y1RPD– STA. 14+09.14

Ⓐ **ROADWAY EMBANKMENT:**
MOIST, LOOSE, TAN, SILTY COARSE TO FINE SAND

Ⓑ **COASTAL PLAIN:**
MOIST, MEDIUM STIFF, BROWN,
COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

6:1 6:1 8:1 8:1 6:1 4.54:1

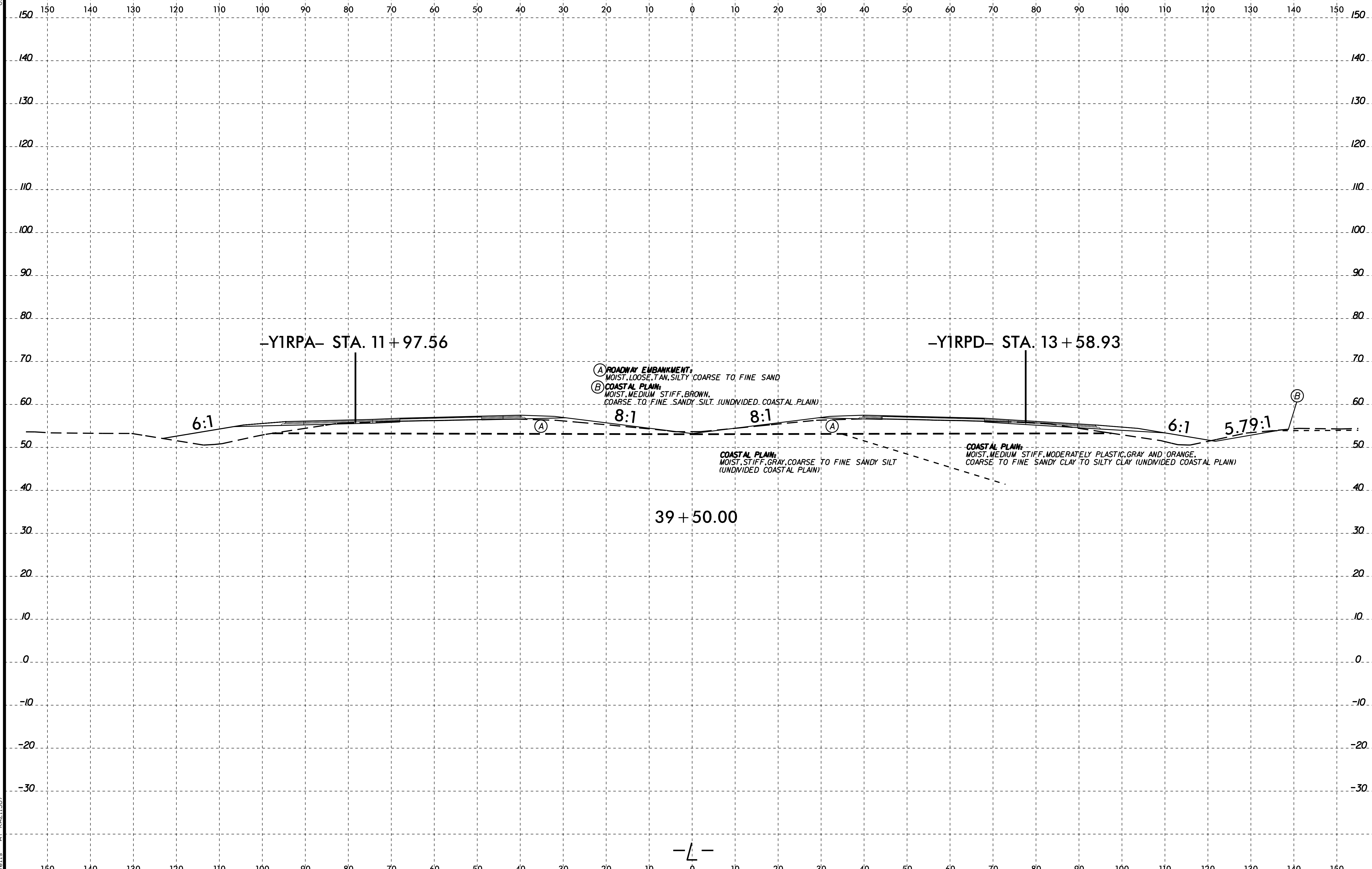
COASTAL PLAIN:
MOIST, STIFF, GRAY, COARSE TO FINE SANDY SILT
(UNDIVIDED COASTAL PLAIN)

COASTAL PLAIN:
MOIST, MEDIUM STIFF, MODERATELY PLASTIC, GRAY AND ORANGE,
COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

39+00.00

–L–

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	96



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T.Wells AT KA211387

0 5 10

–Y1RPA– STA. 11+47.49

–Y1RPD– STA. 13+08.80

6:1

8:1

8:1

6:1

Ⓐ ROADWAY EMBANKMENT:
MOIST, LOOSE, TAN, SILTY COARSE TO FINE SAND

Ⓐ COASTAL PLAIN:
MOIST, STIFF, GRAY, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

COASTAL PLAIN:
MOIST, MEDIUM STIFF, MODERATELY PLASTIC, GRAY AND ORANGE, COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

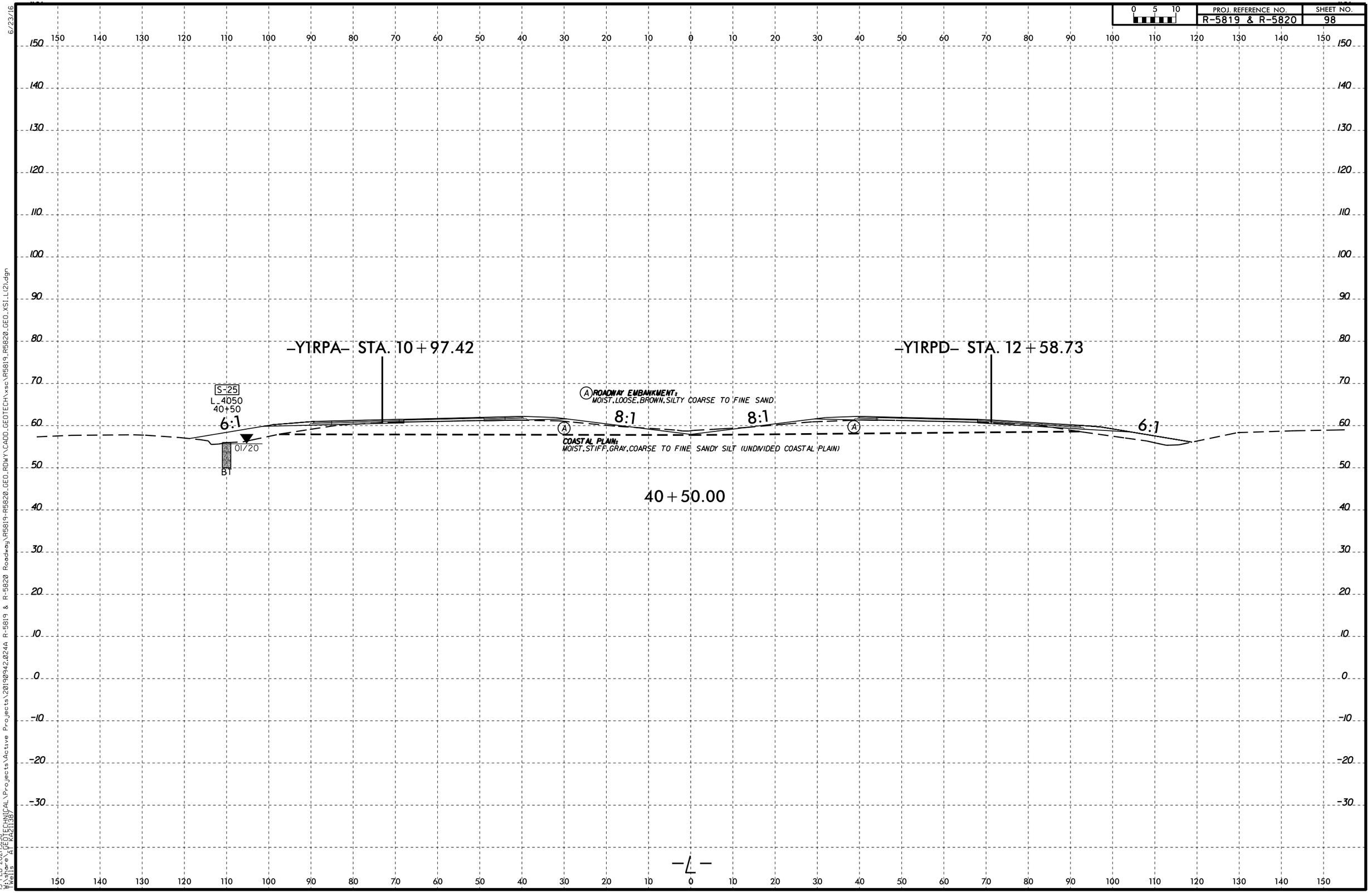
40+00.00

–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

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

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	98



0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	99

-Y1RPD- STA. 10+58.68

Ⓐ **ROADWAY EMBANKMENT:** MOIST, LOOSE, BROWN AND TAN, SILTY COARSE TO FINE SAND

Ⓑ **COASTAL PLAIN:** MOIST, LOOSE, BROWN AND TAN, SILTY COARSE TO FINE SAND WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

S-26
L-4260
42+60

01/20

BT

8:1

8:1

6:1

Ⓐ

Ⓑ

COASTAL PLAIN: WET, STIFF, HIGHLY PLASTIC, GRAY, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

42+50.00

-L-

6/23/16

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Wells AT KAZ1387

PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	100

0 5 10

(A) **ROADWAY EMBANKMENT:** MOIST, LOOSE, BROWN AND TAN, SILTY COARSE TO FINE SAND

(B) **COASTAL PLAIN:** MOIST, MEDIUM STIFF, MODERATELY PLASTIC, GRAY, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

6:1 8:1 8:1 6:1

S-27
L 4450
44+50

02/20

B1

COASTAL PLAIN: MOIST, MEDIUM STIFF, HIGHLY PLASTIC, GRAY AND ORANGE, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

44+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

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

6/23/16

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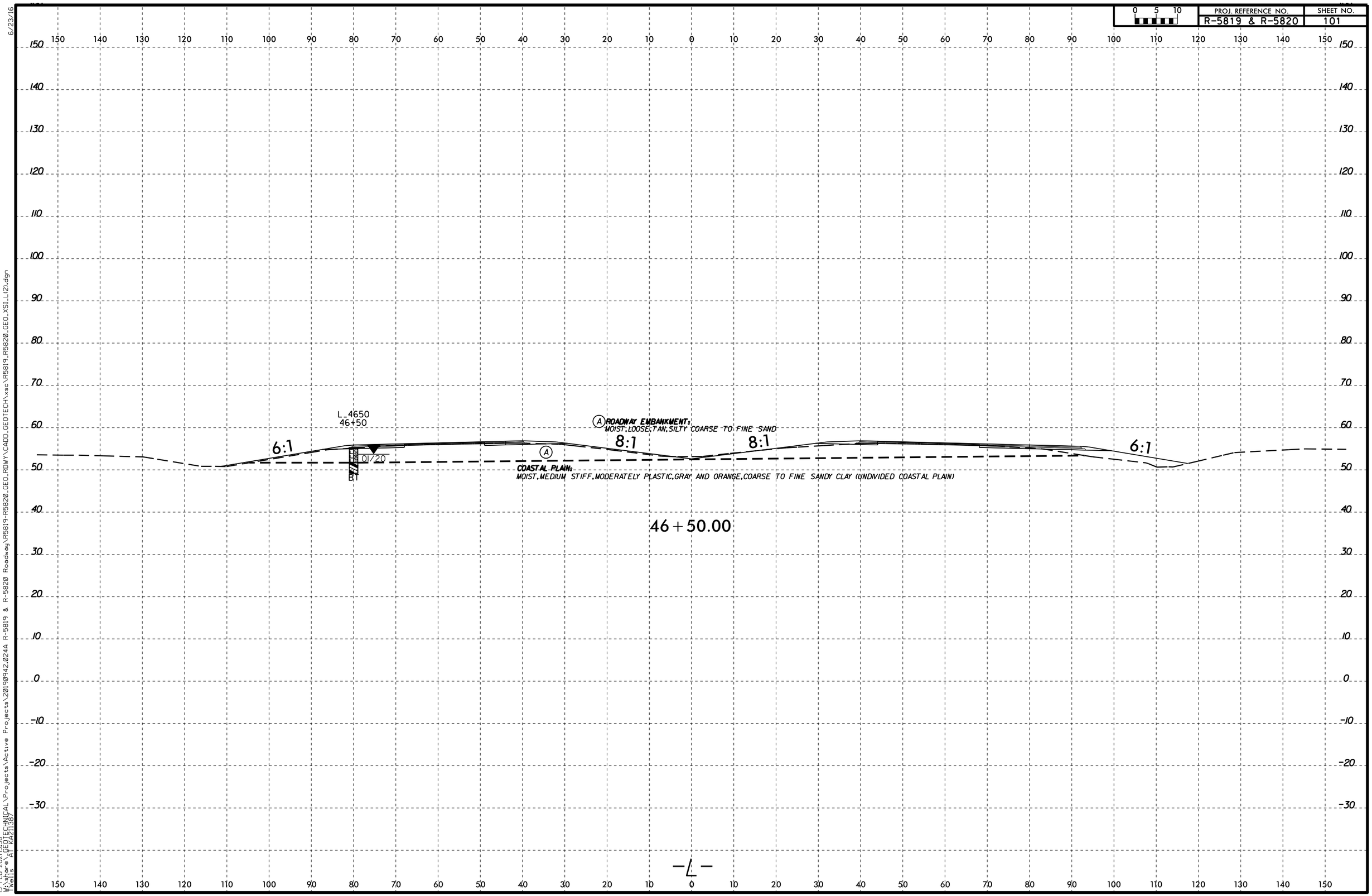
Wells AT KAZI387

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	101



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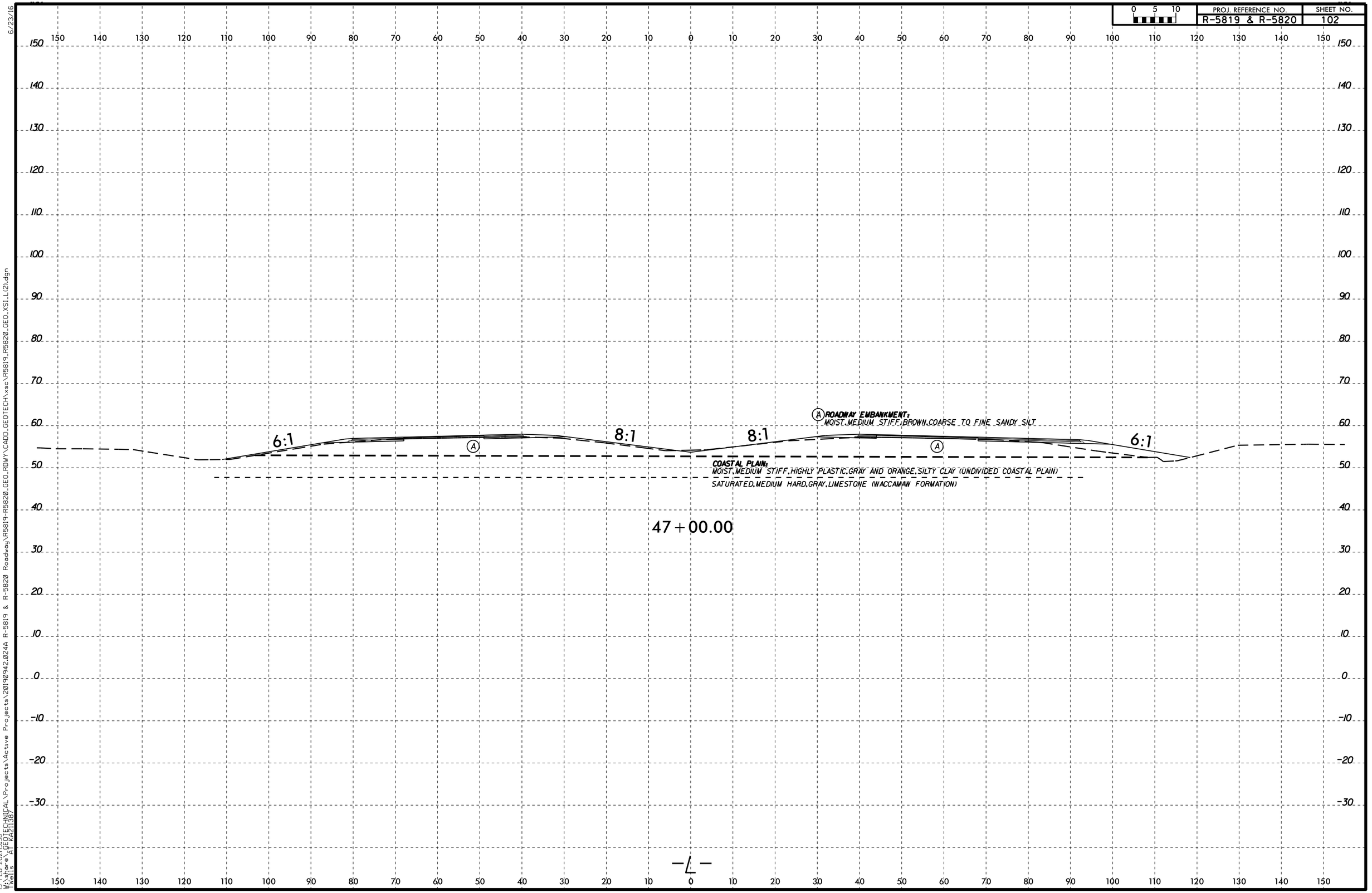
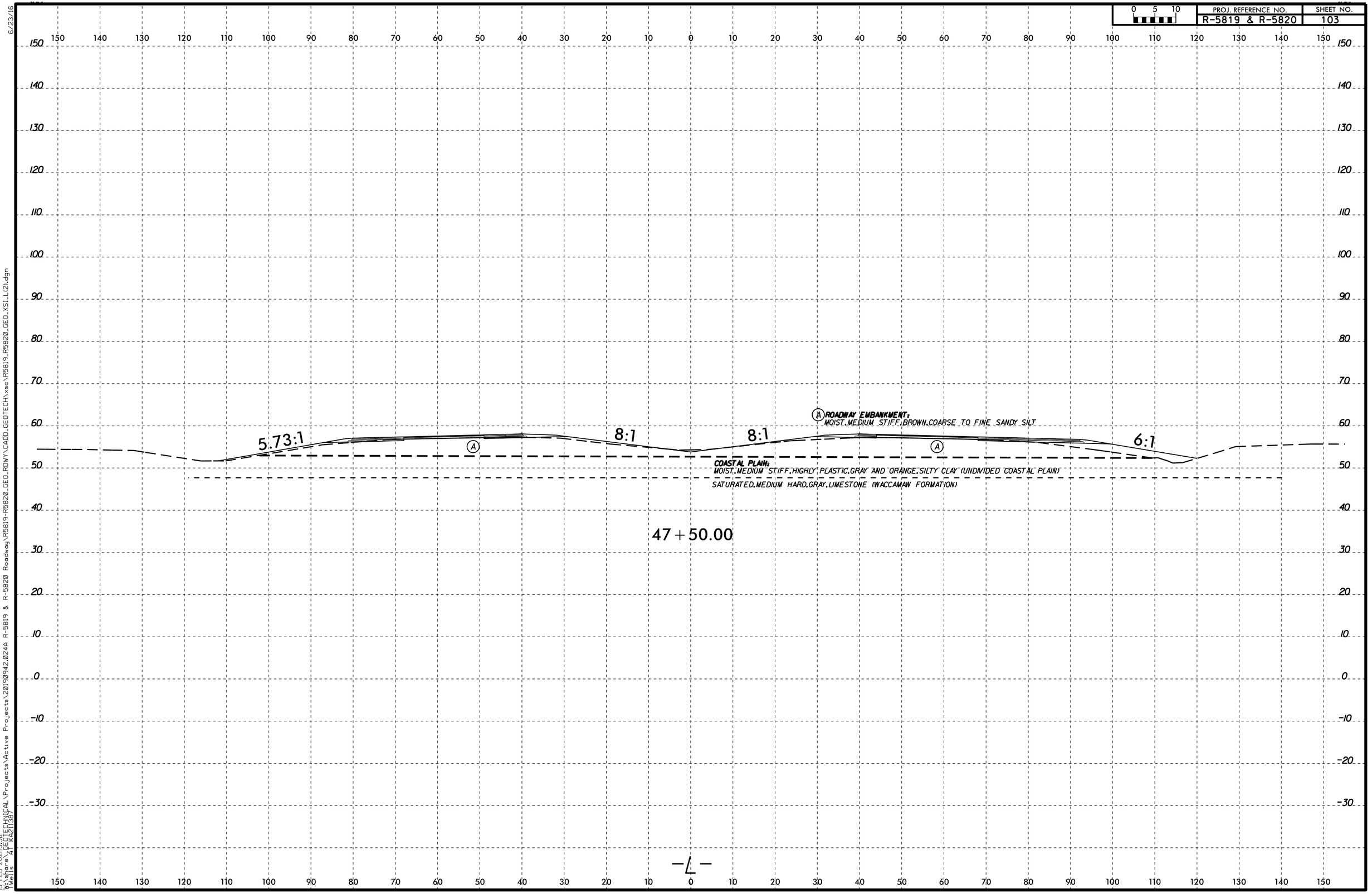
Wells AT KA21138





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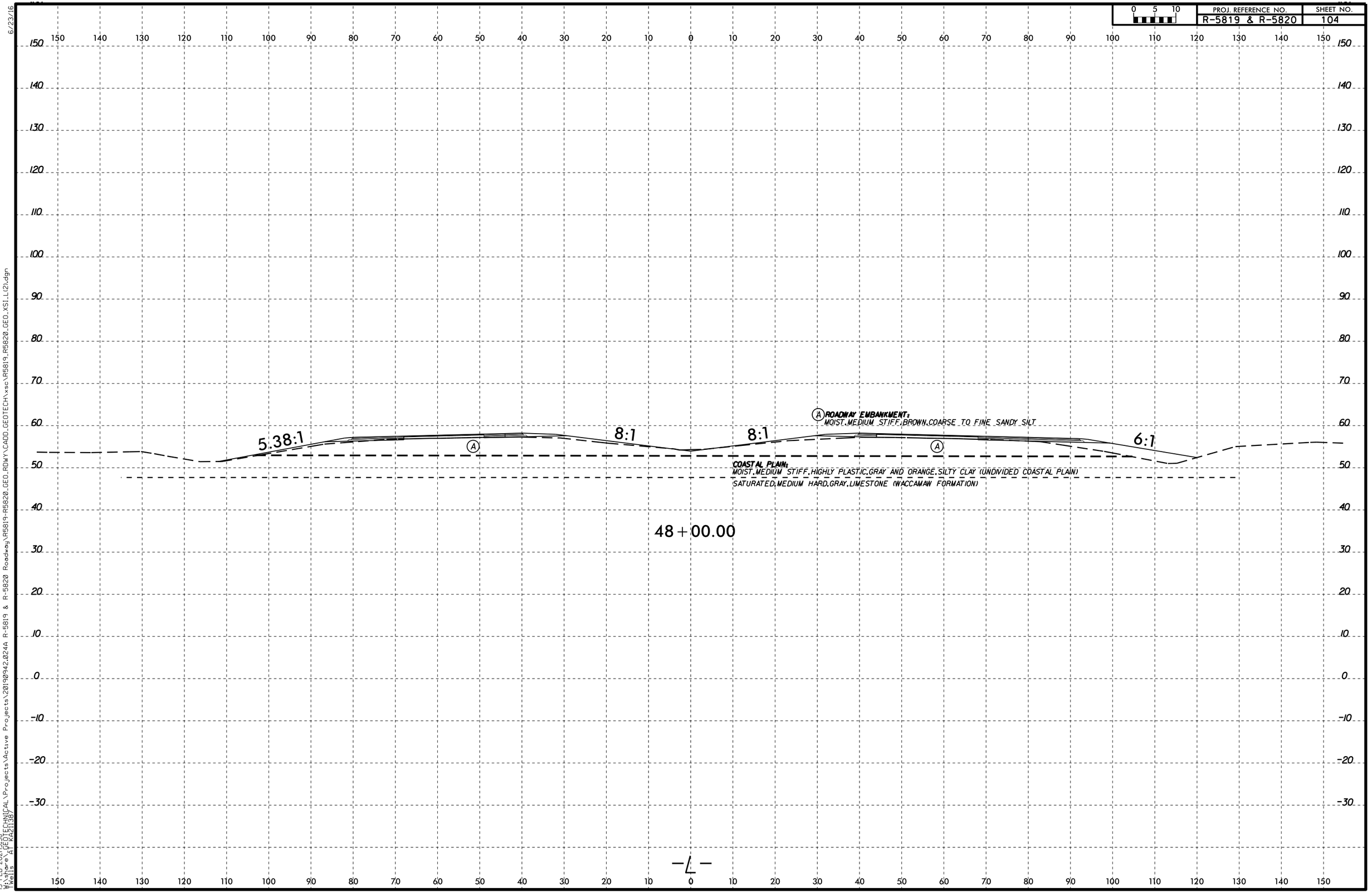
0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	104



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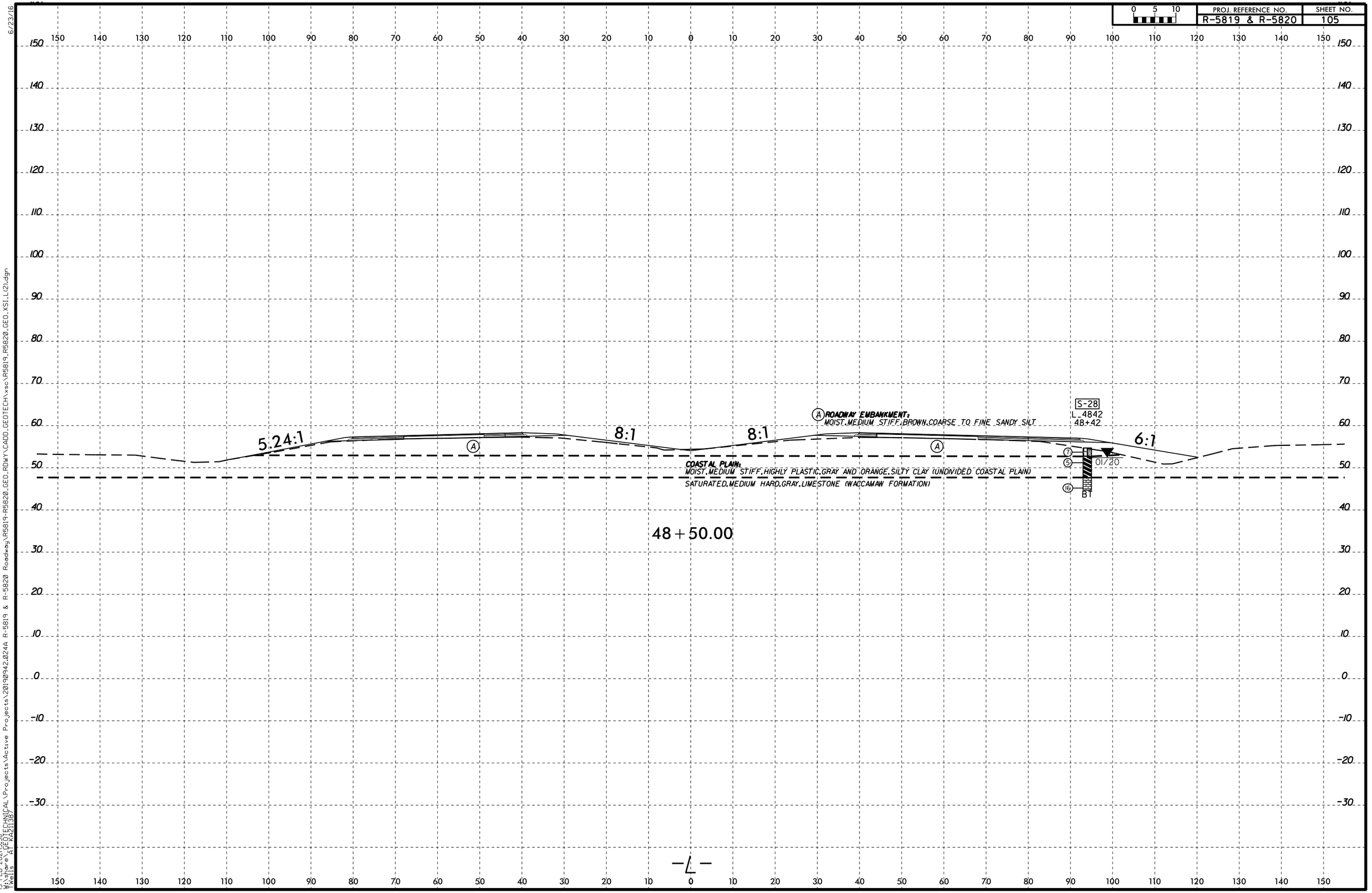
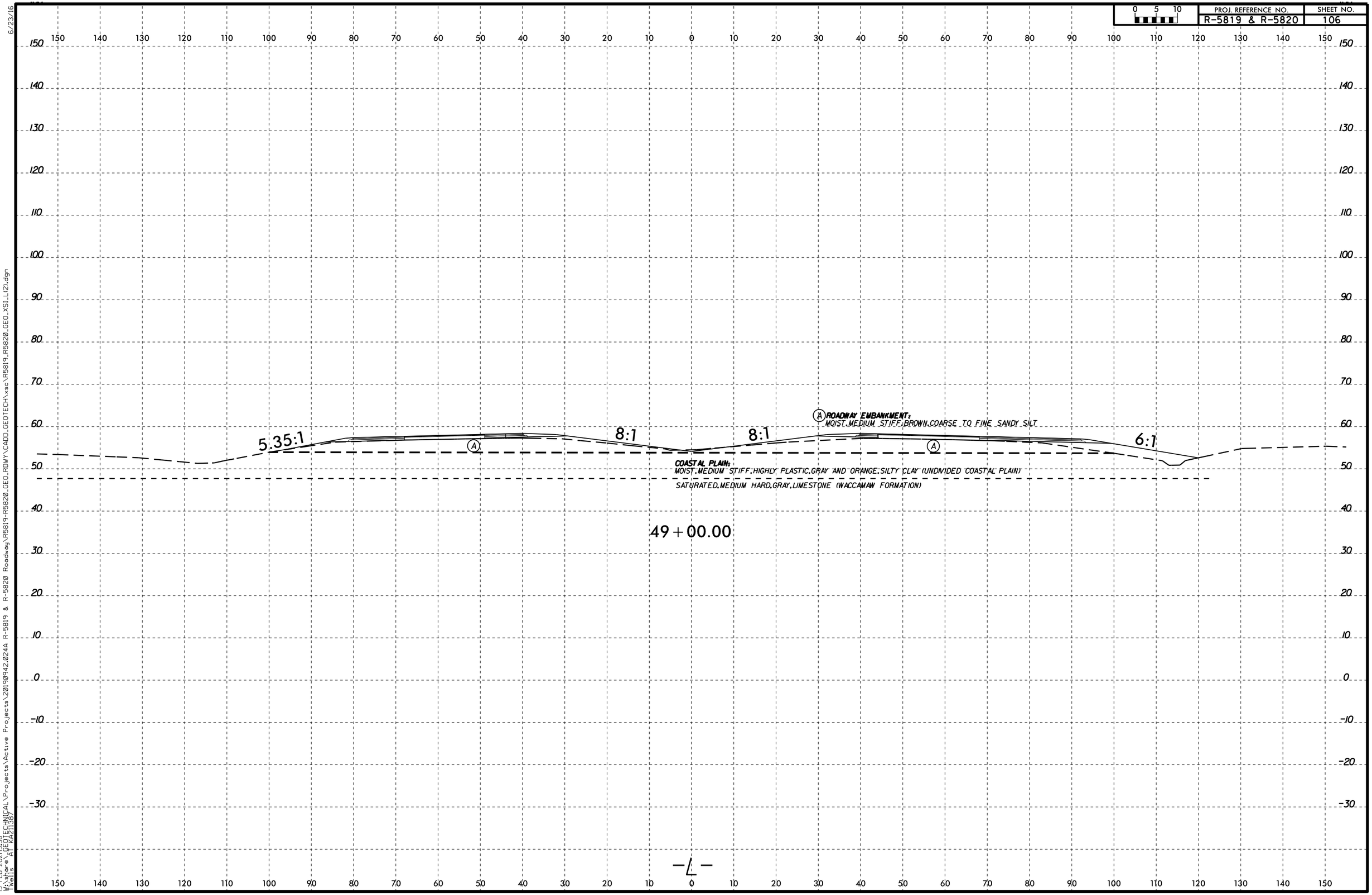
Wells AT KA21197



0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	106



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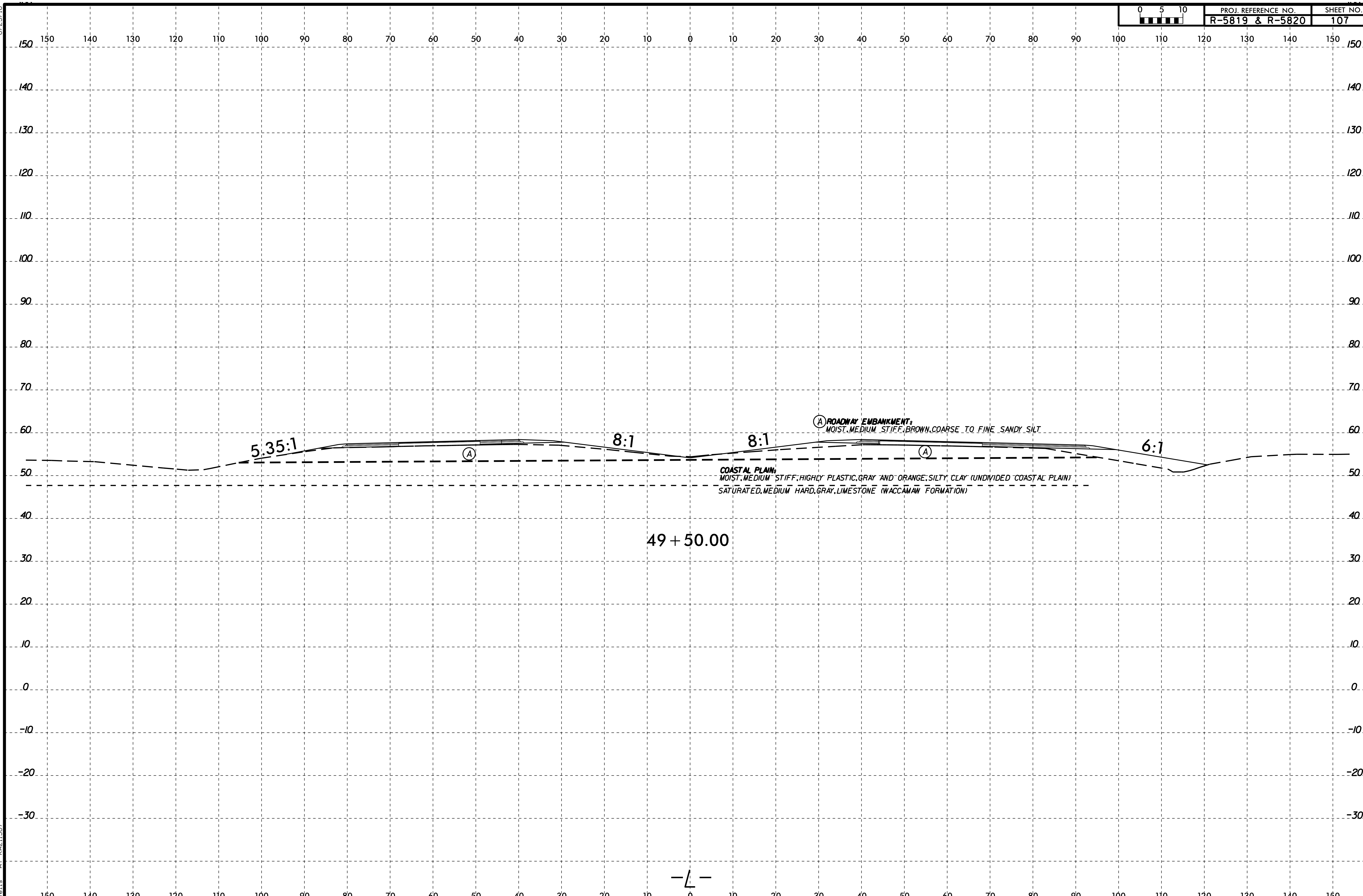
Wells AT K42138

PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	107



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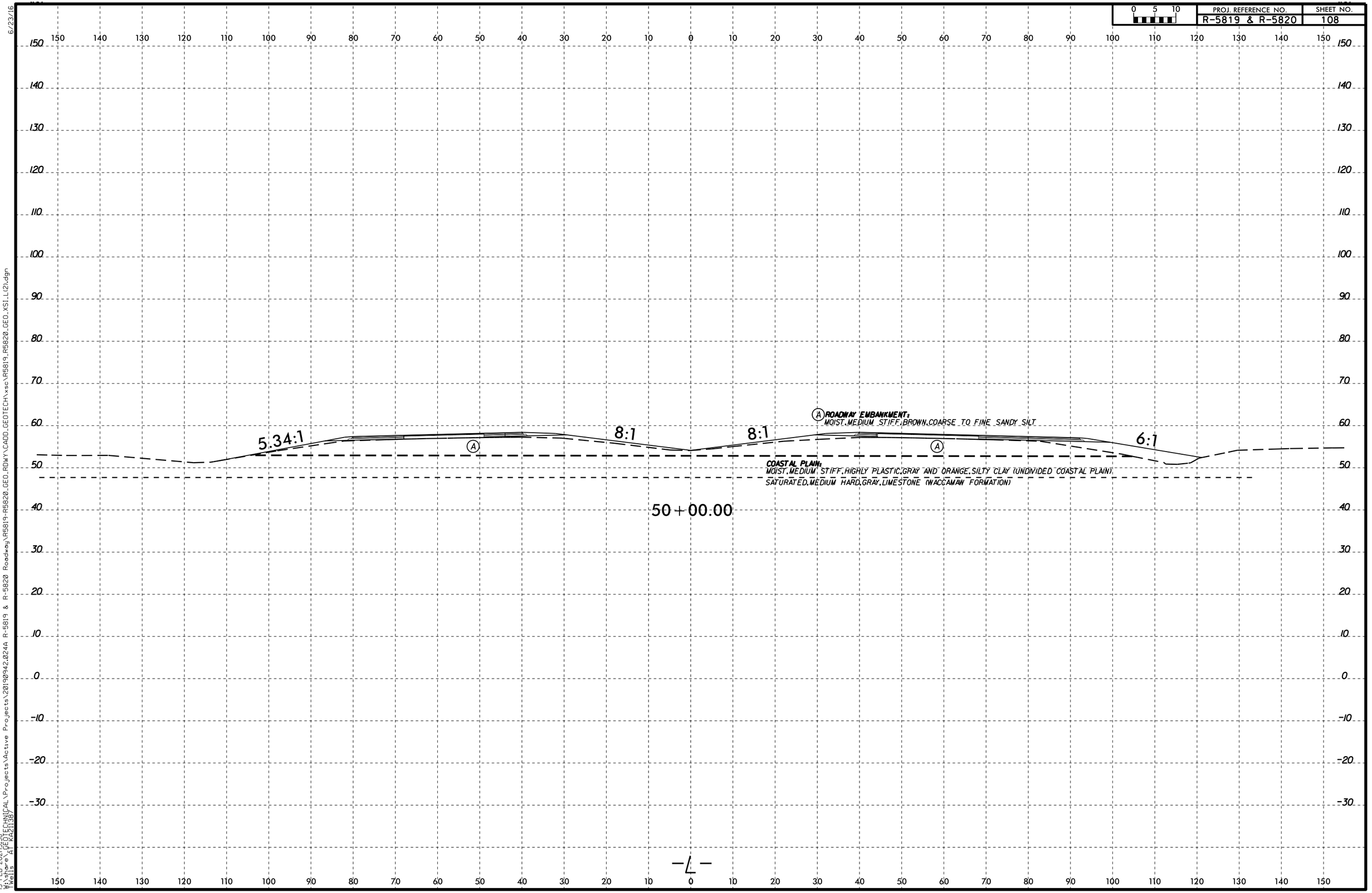
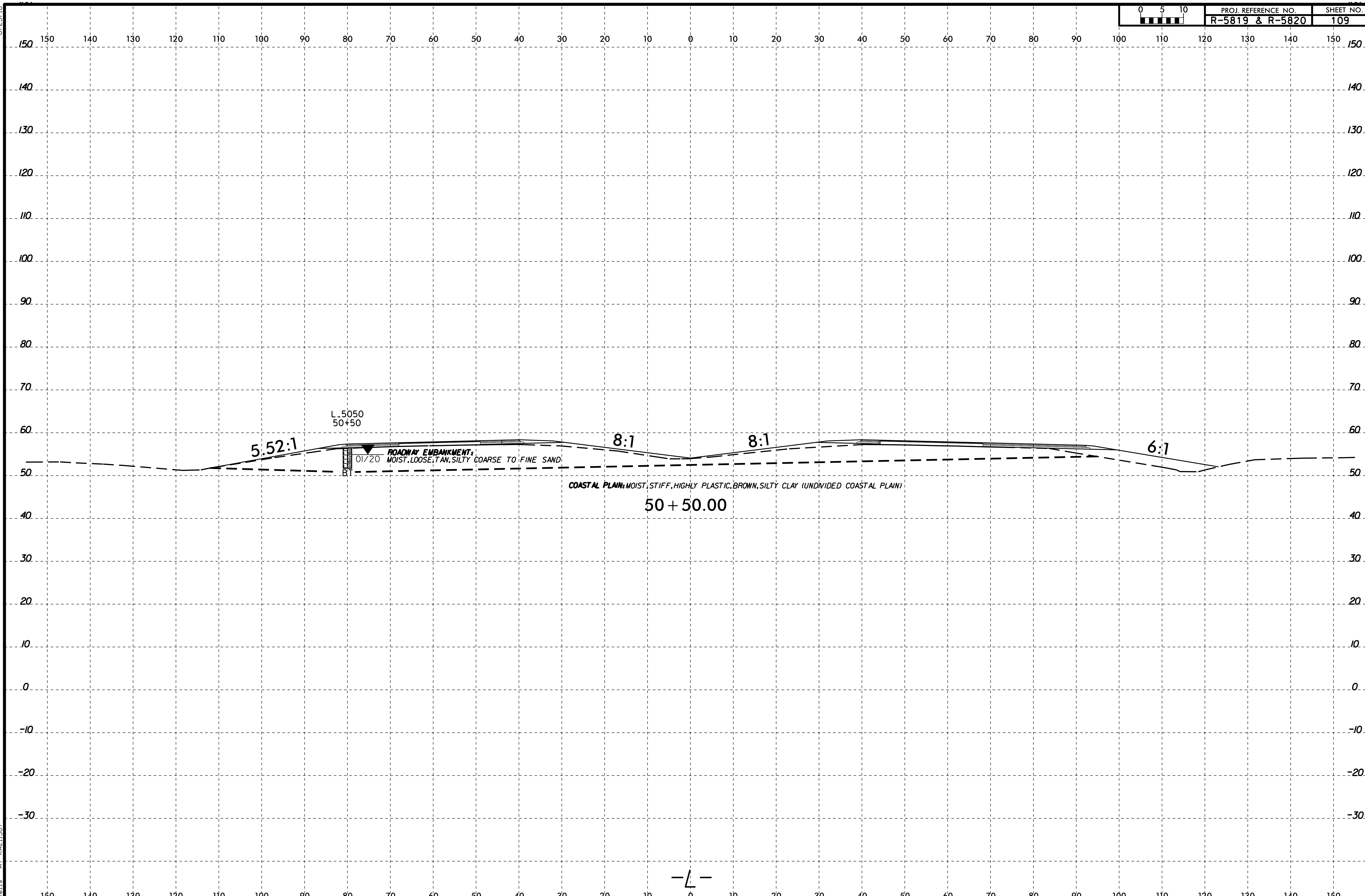
TWells AT KA211387





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0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	110

Ⓐ **ROADWAY EMBANKMENT:**
MOIST.STIFF.MODERATELY PLASTIC.BROWN.COARSE TO FINE SANDY CLAY

Ⓑ **COASTAL PLAIN:**
WET TO MOIST.SOFT TO STIFF.BROWN.COARSE TO FINE SANDY SILT TO COARSE TO FINE SANDY CLAY WITH TRACE OF ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

5.50:1 8:1 8:1 6:1

Ⓐ Ⓑ

COASTAL PLAIN: MOIST.STIFF.HIGHLY PLASTIC.BROWN.SILTY CLAY (UNDIVIDED COASTAL PLAIN)

51+00.00

—L—

6/23/16

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Wells AT KA21387

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	111

(A) **ROADWAY EMBANKMENT:** MOIST, STIFF, MODERATELY PLASTIC, BROWN, COARSE TO FINE SANDY CLAY

(B) **COASTAL PLAIN:** WET TO MOIST, SOFT TO STIFF, BROWN, COARSE TO FINE SANDY SILT TO COARSE TO FINE SANDY CLAY WITH TRACE OF ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

5.60:1

8:1

8:1

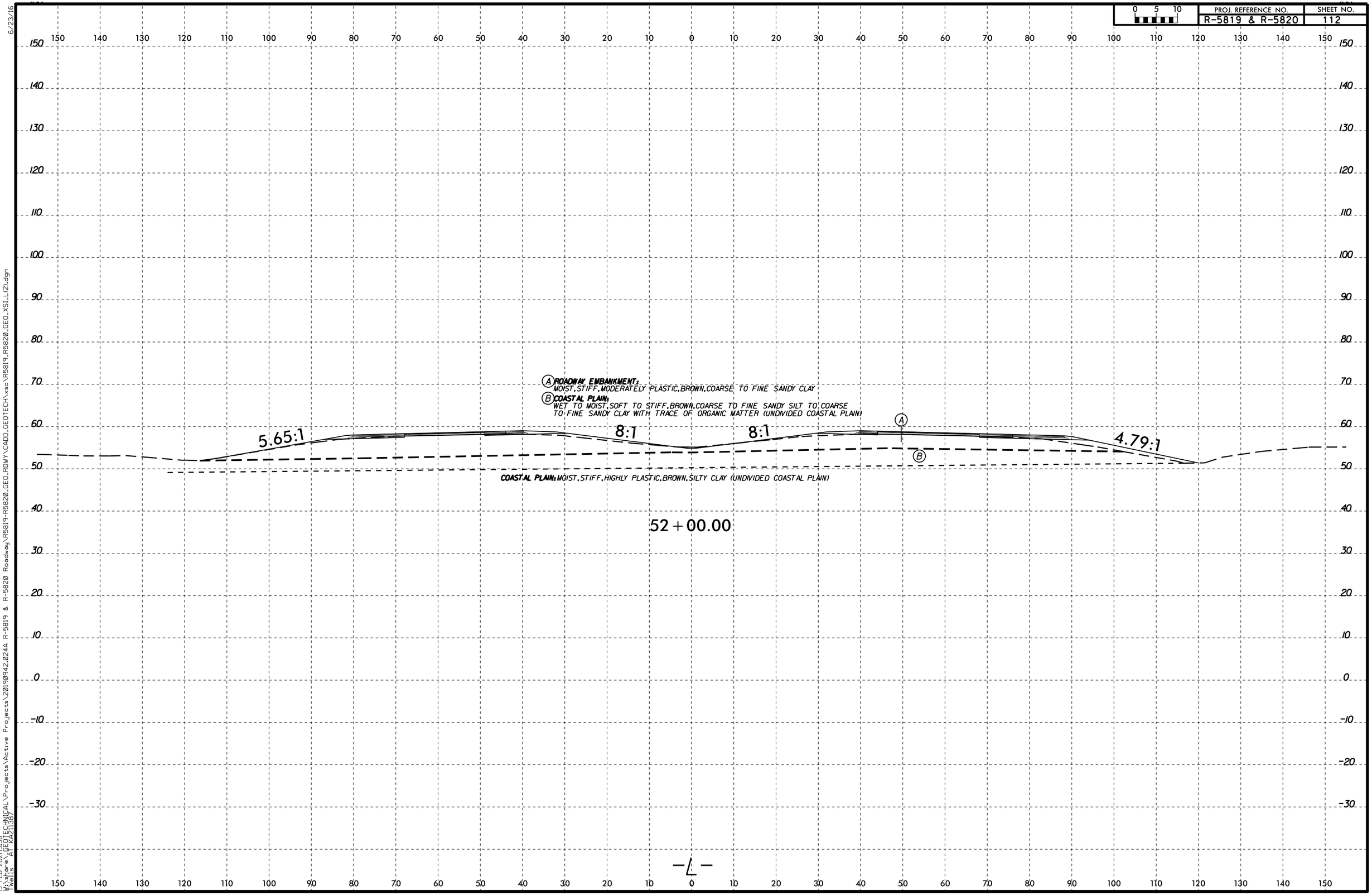
4.87:1

COASTAL PLAIN: MOIST, STIFF, HIGHLY PLASTIC, BROWN, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

51+50.00

—L—

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	112



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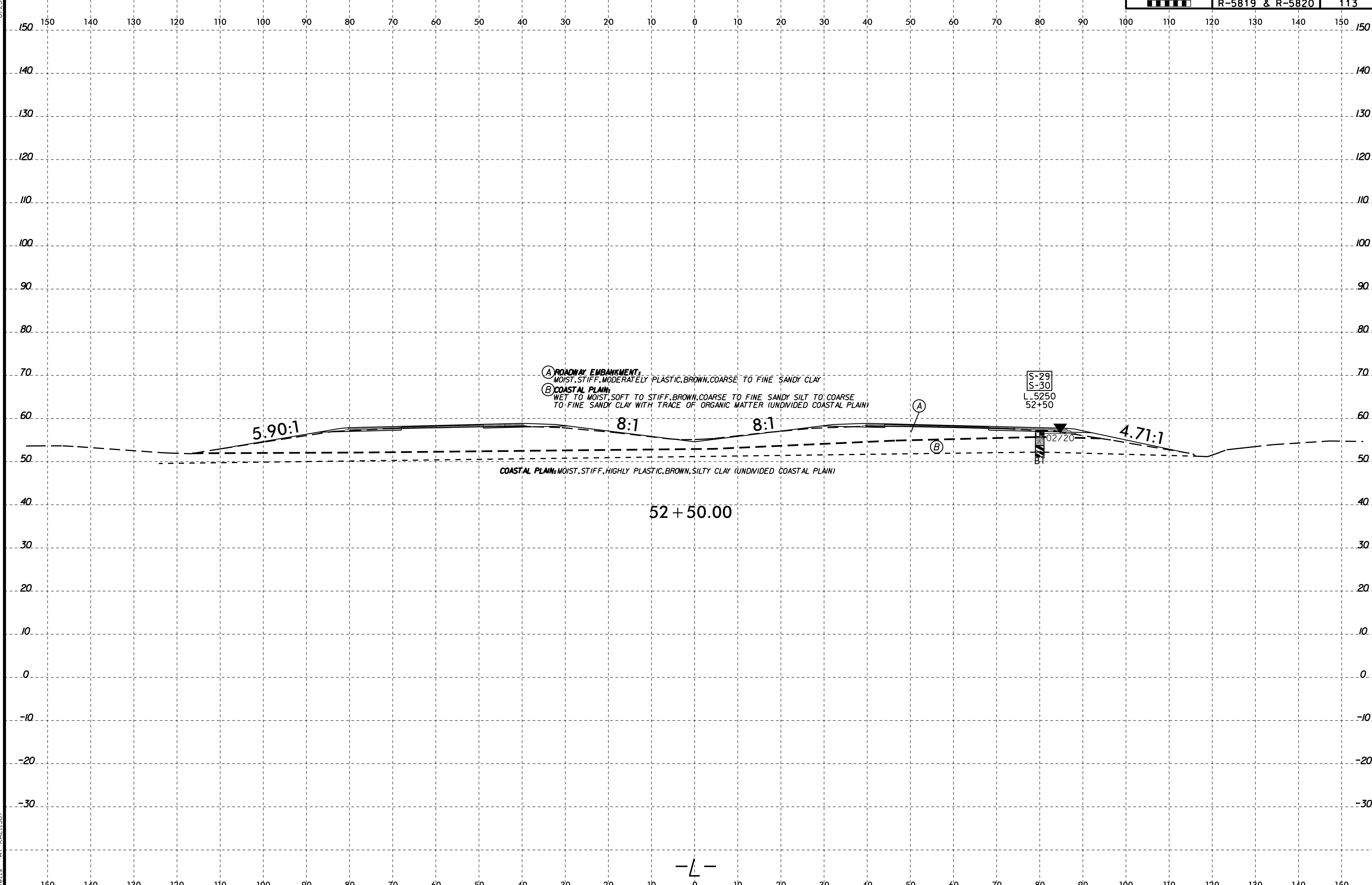
Wells AT KA21197

PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	113


0 5 10
Ⓐ ROADWAY EMBANKMENT:
MOIST, STIFF, MODERATELY PLASTIC, BROWN, COARSE TO FINE SANDY CLAY
Ⓑ COASTAL PLAIN:
WET TO MOIST, SOFT TO STIFF, BROWN, COARSE TO FINE SANDY SILT TO COARSE TO FINE SANDY CLAY WITH TRACE OF ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)
S-29
S-30
L_5250
52+50
02/20
B1
5.90:1
8:1
8:1
4.71:1
COASTAL PLAIN: MOIST, STIFF, HIGHLY PLASTIC, BROWN, SILTY CLAY (UNDIVIDED COASTAL PLAIN)
52 + 50.00
-L-

6/23/16

15-FEB-2021 15:58
...\GEOTECHNICAL\Projects\Active Projects\2019\0942.0244 R-5819 & R-5820 Roadway\R5819-R5820_GEO_RDWY\CADD_GEOTECH\xsc\R5819_R5820_GEO_XS1_L(2).dgn
T.Wells AT KA211387

(A) **ROADWAY EMBANKMENT:**
MOIST, STIFF, MODERATELY PLASTIC, BROWN, COARSE TO FINE SANDY CLAY

(B) **COASTAL PLAIN:**
WET TO MOIST, SOFT TO STIFF, BROWN, COARSE TO FINE SANDY SILT TO COARSE TO FINE SANDY CLAY WITH TRACE OF ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

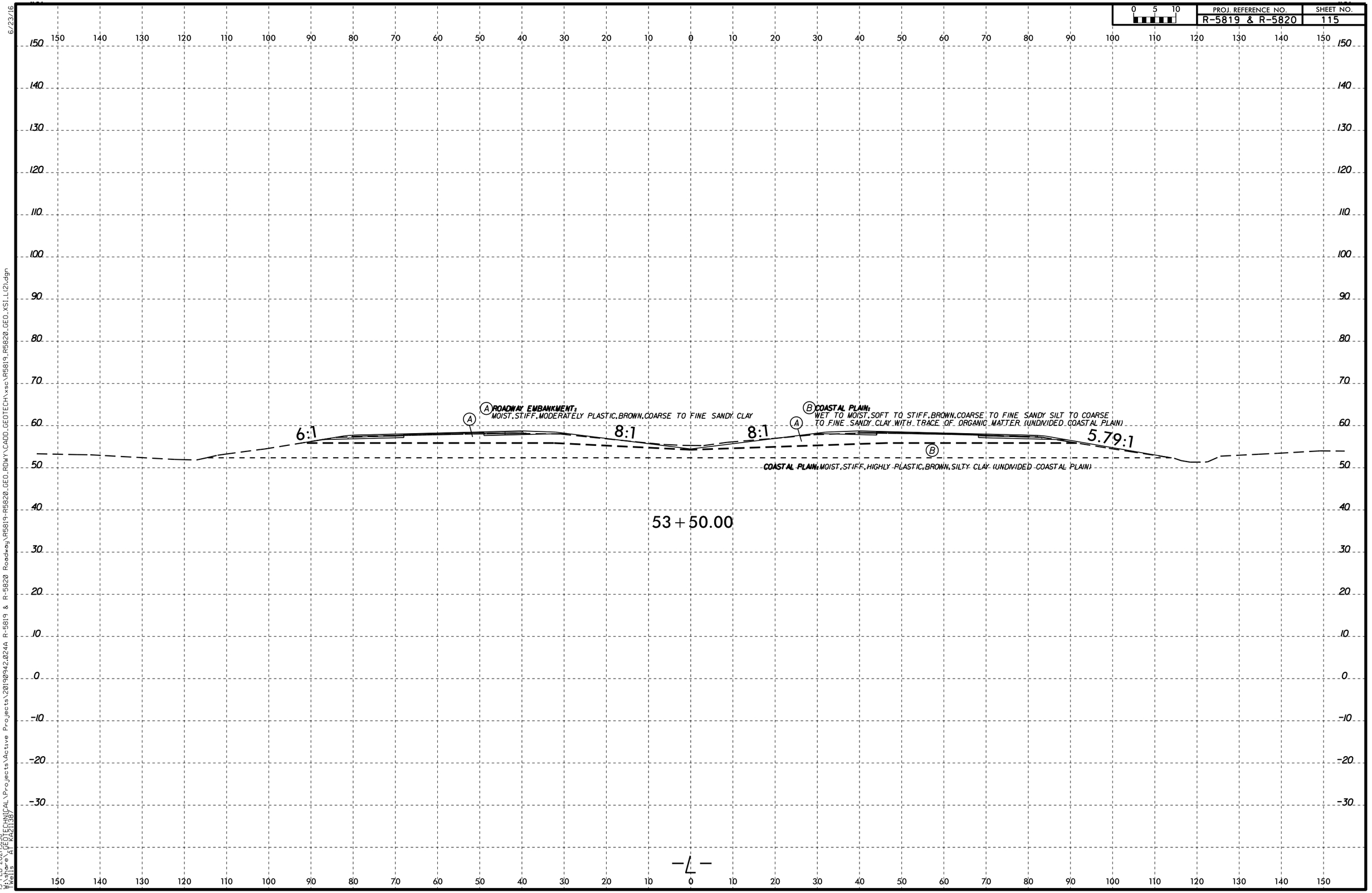
6:1 8:1 8:1 5.44:1

COASTAL PLAIN: MOIST, STIFF, HIGHLY PLASTIC, BROWN, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

53+00.00

—L—

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	115



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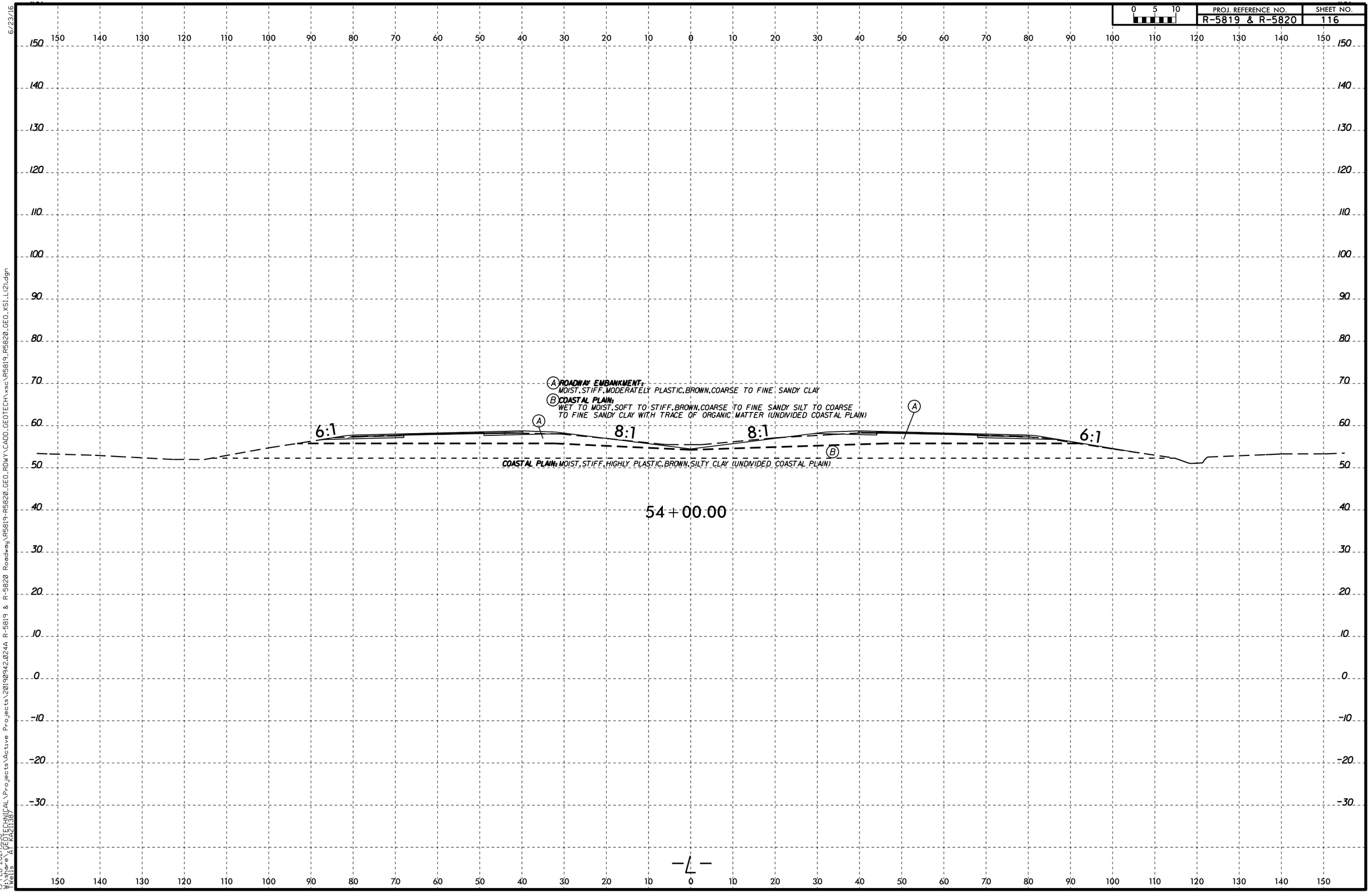
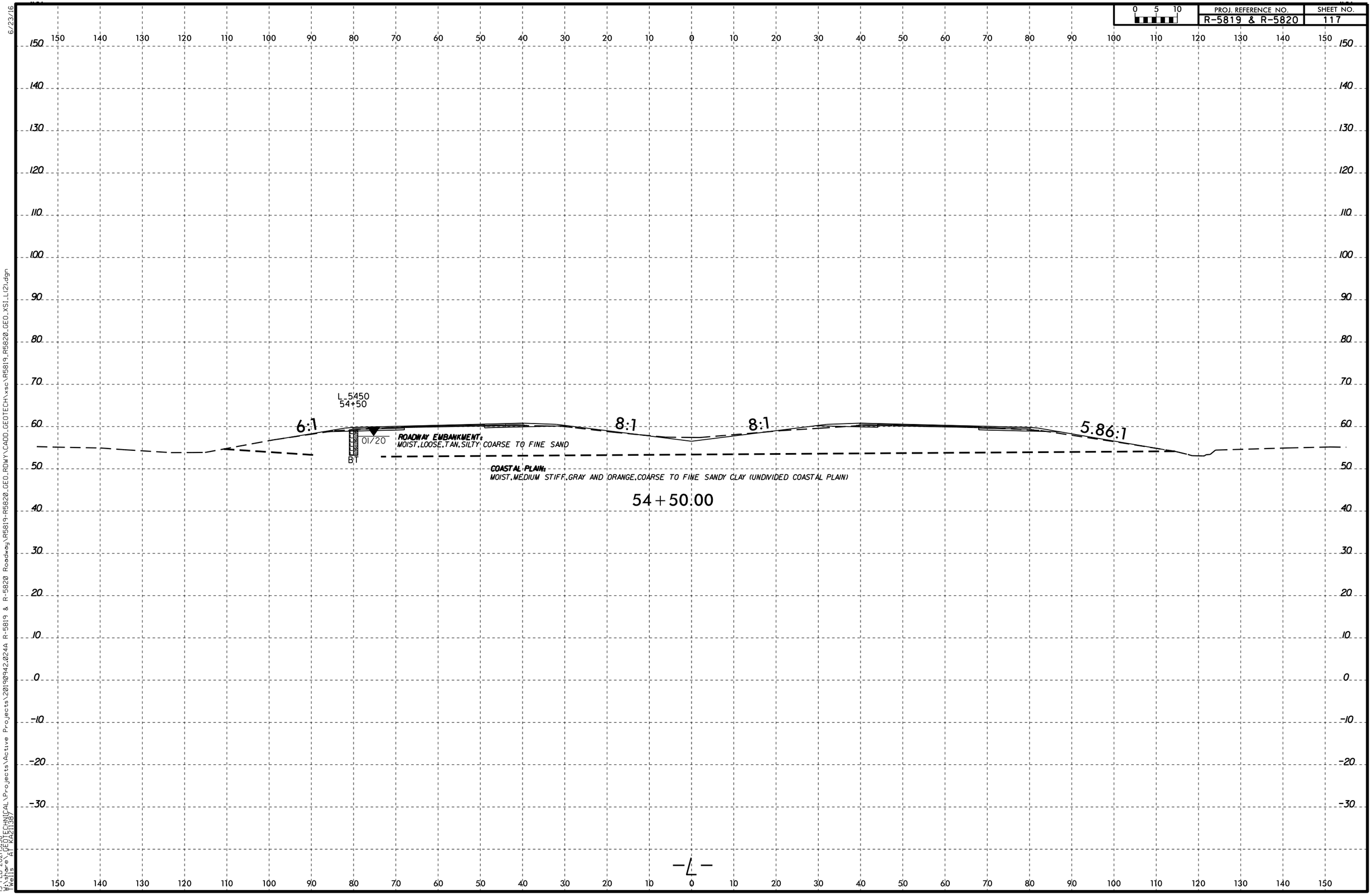
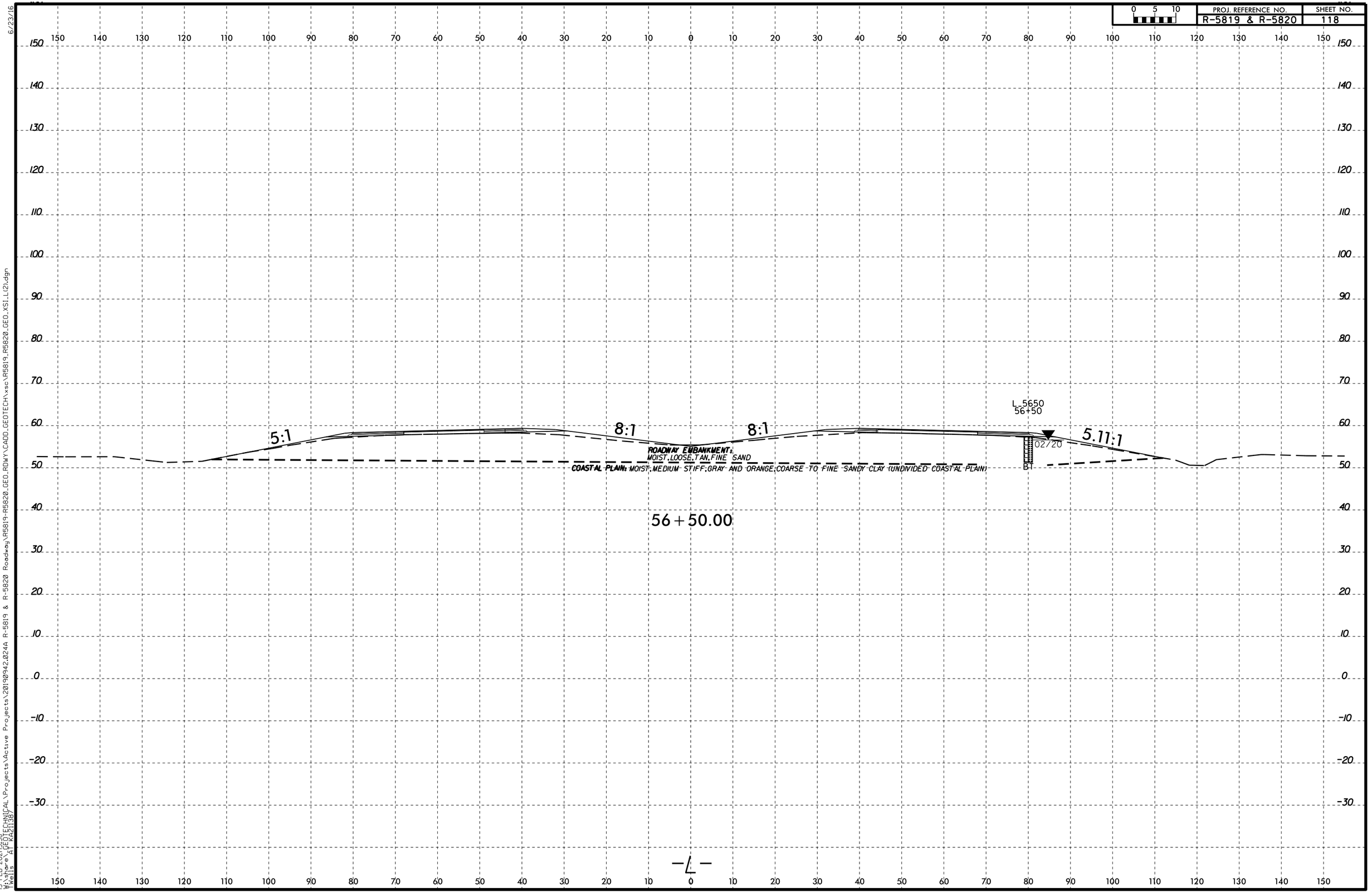
Wells AT KH21138

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	116

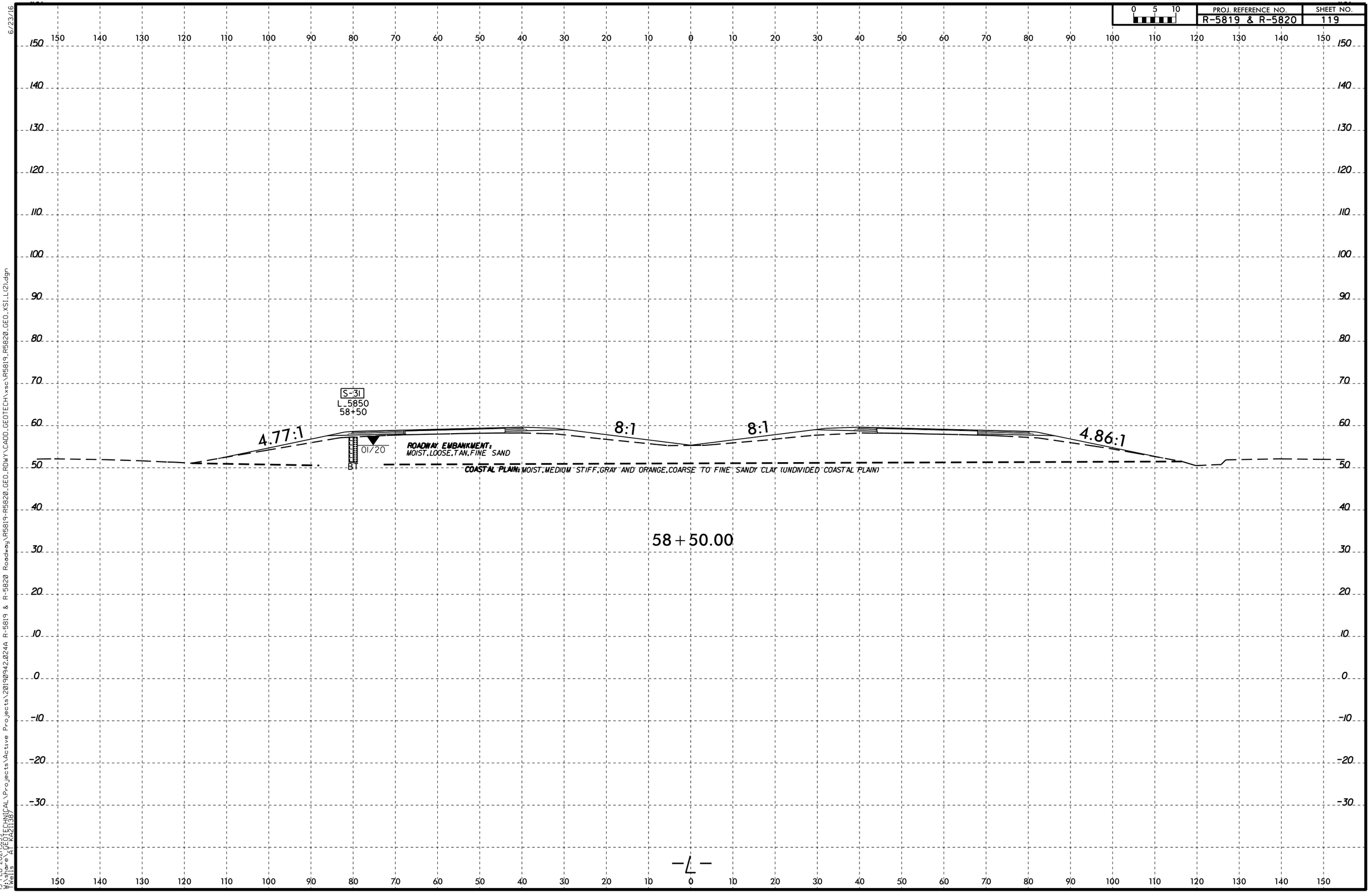


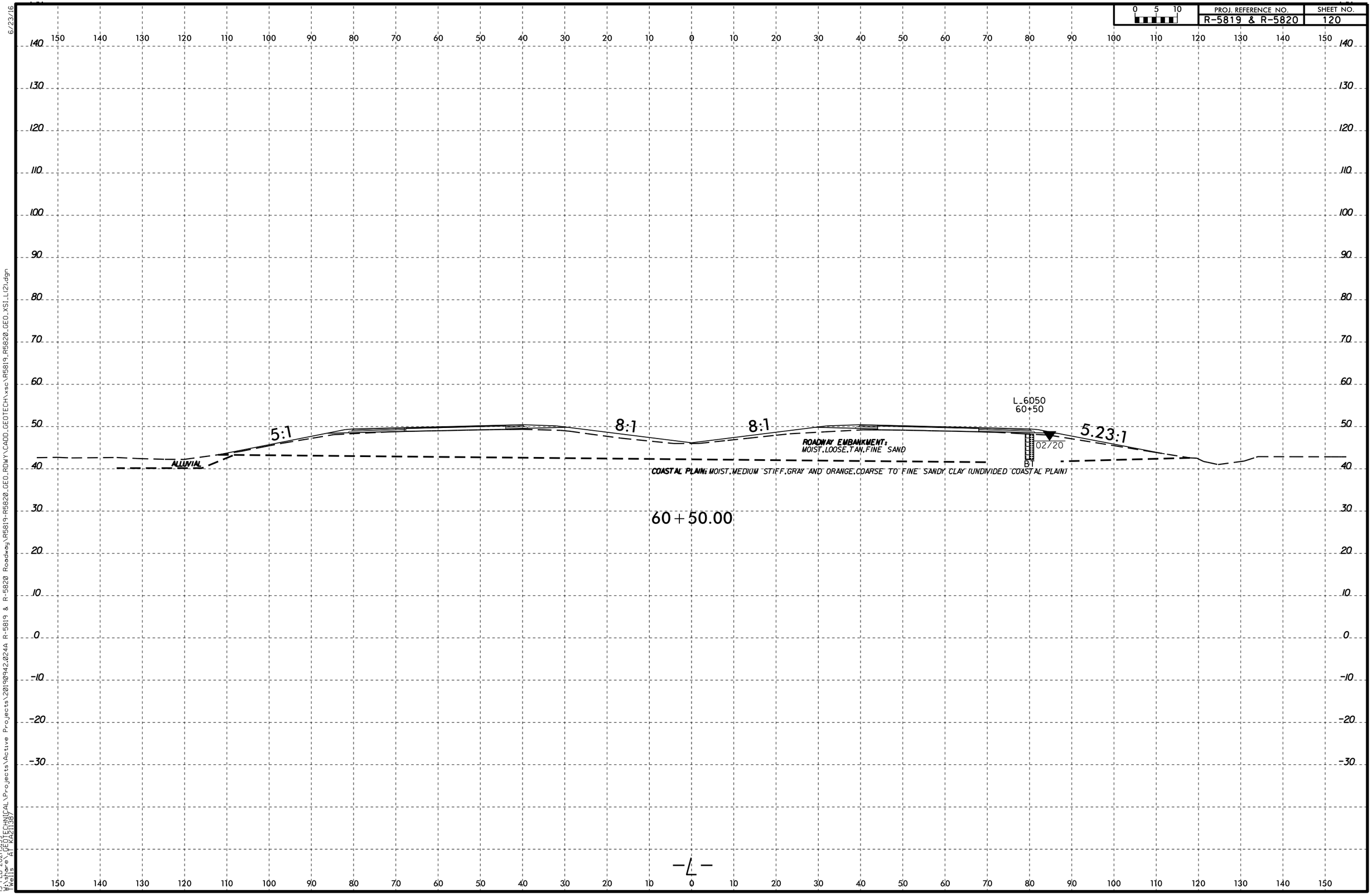
0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	117



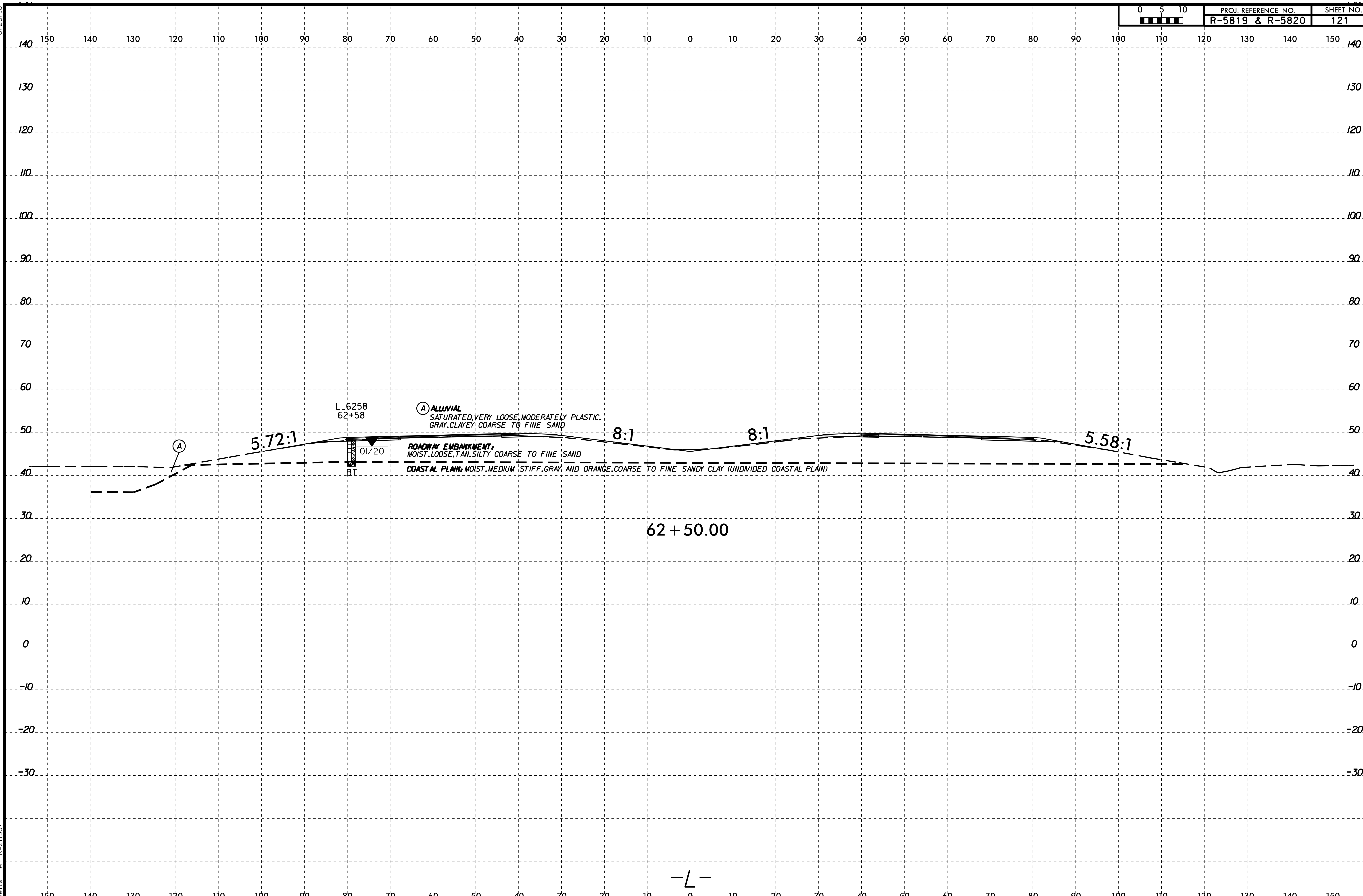


0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	119





PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	121



6/23/16

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TWells AT KA211387

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	122

6:1

8:1

8:1

5.66:1

L_6450
64+50

02/20
BT

ROADWAY EMBANKMENT: MOIST, LOOSE, TAN, SILTY COARSE TO FINE SAND

COASTAL PLAIN: MOIST, MEDIUM STIFF, GRAY AND ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

64+50.00

−L−

6/23/16

15-FEB-2021 15:59
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Wells AT KA21138

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	123

S-32
L_6650
66+50

5.75:1

8:1

8:1

4.92:1

01/20
BT

ROADWAY EMBANKMENT:
MOIST, LOOSE, TAN, SILTY, COARSE TO FINE SAND

COASTAL PLAIN:
MOIST, MEDIUM STIFF, MODERATELY PLASTIC, ORANGE AND GRAY, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

66+50.00

-L-

6/23/16

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Wells AT KH21138

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	124

5.16:1

8:1

8:1

4.86:1

L 6850
68+50

02/20

BT

ROADWAY EMBANKMENT:
MOIST, LOOSE, TAN, SILTY COARSE TO FINE SAND

COASTAL PLAIN:
MOIST, MEDIUM STIFF, MODERATELY PLASTIC, ORANGE AND GRAY; COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

68+50.00

—L—

6/23/16

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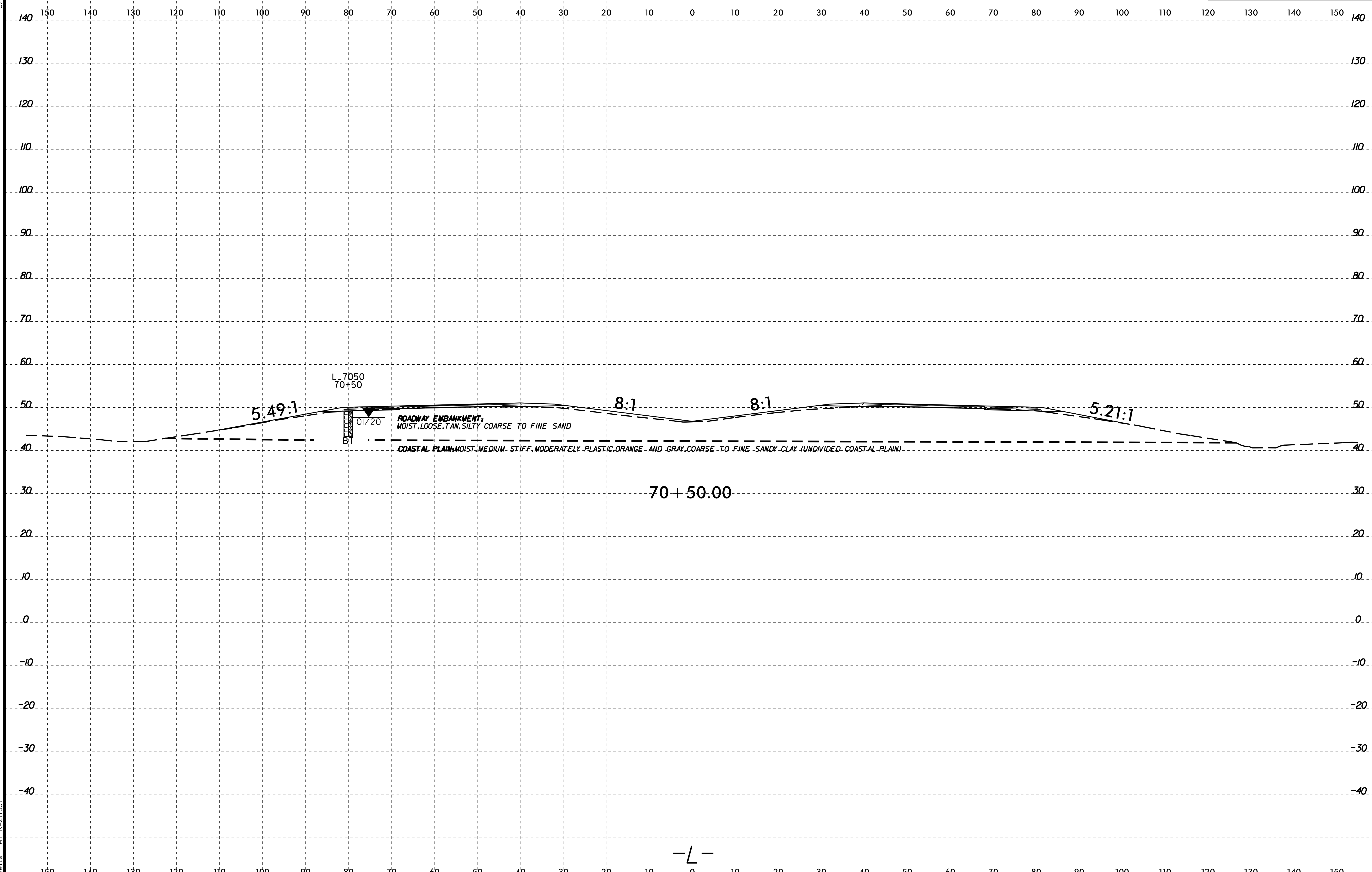
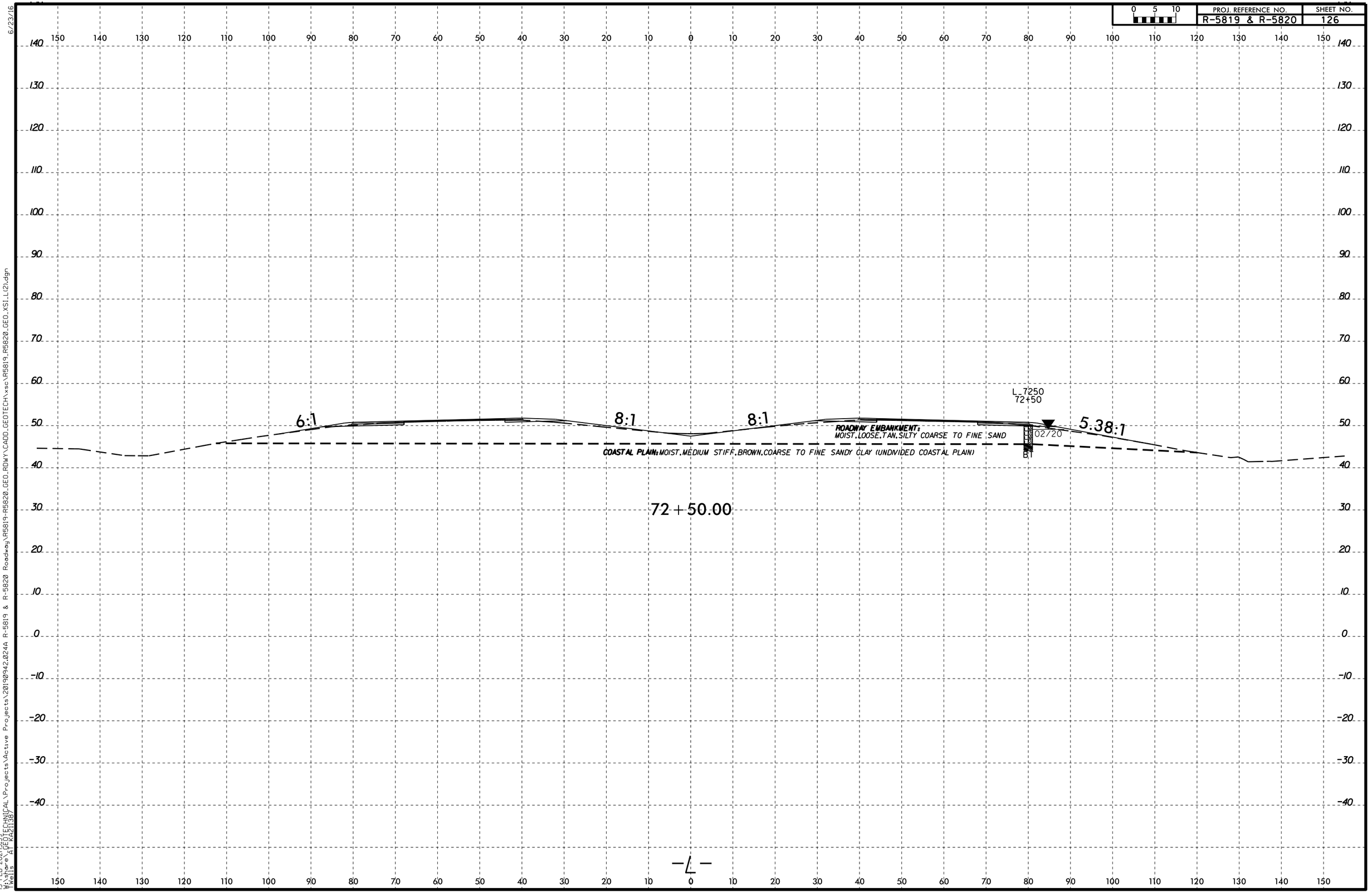
Wells AT K421138

PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	125



0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	126



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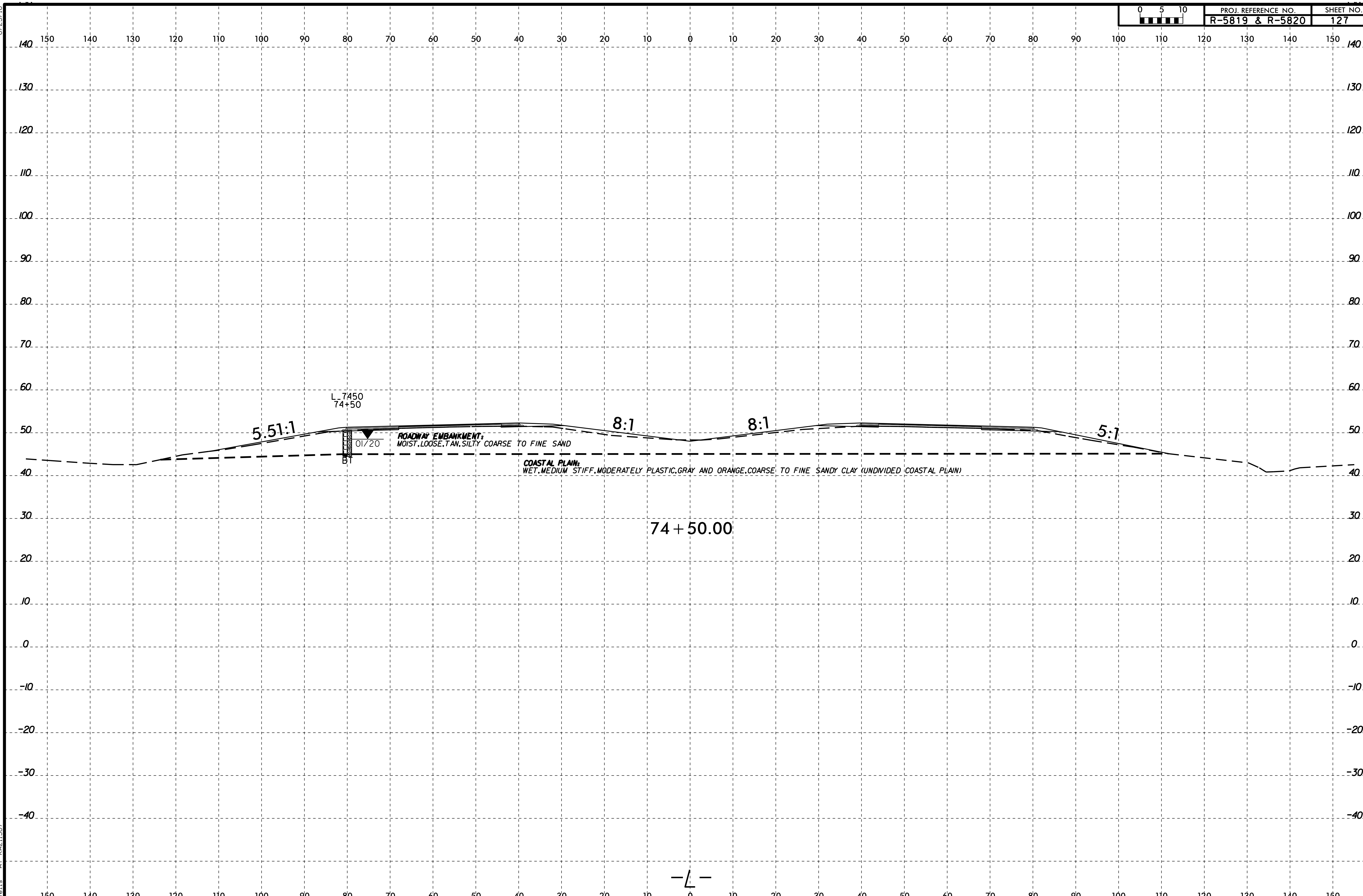
Wells AT KH21138

PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	127



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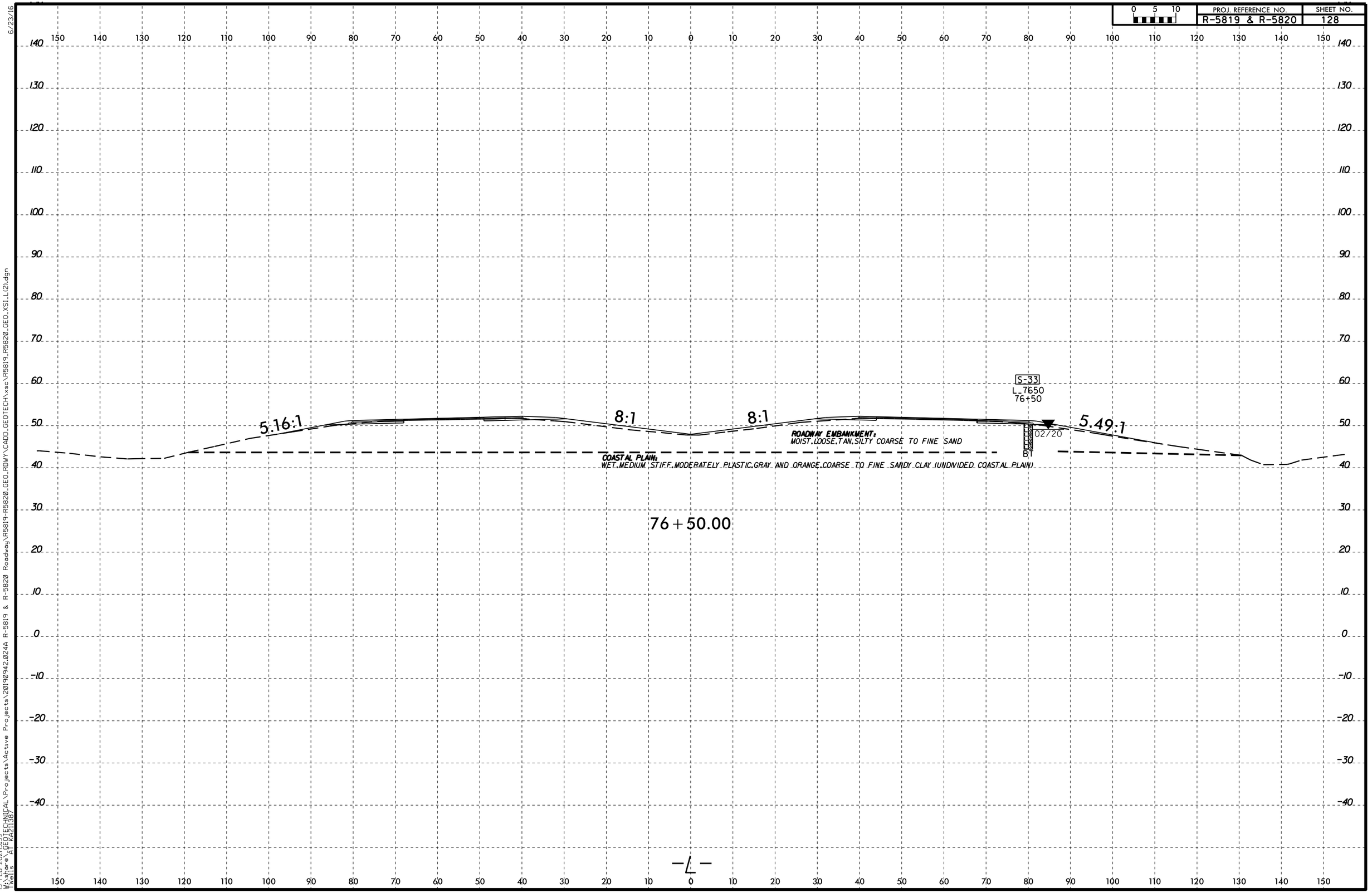
TWells AT KA211387

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	128



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Wells AT KA21138

L-7850
78+50

Ⓐ **ALLUVIAL**
SATURATED,VERY LOOSE,MODERATELY PLASTIC, GRAY,CLAYEY COARSE TO FINE SAND

ROADWAY EMBANKMENT:
MOIST,LOOSE,TAN,SILTY COARSE TO FINE SAND

COASTAL PLAIN:
WET,MEDIUM STIFF,MODERATELY PLASTIC,GRAY AND ORANGE,COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

BT
DRY
01/20

5.14:1

8:1

8:1

5.34:1

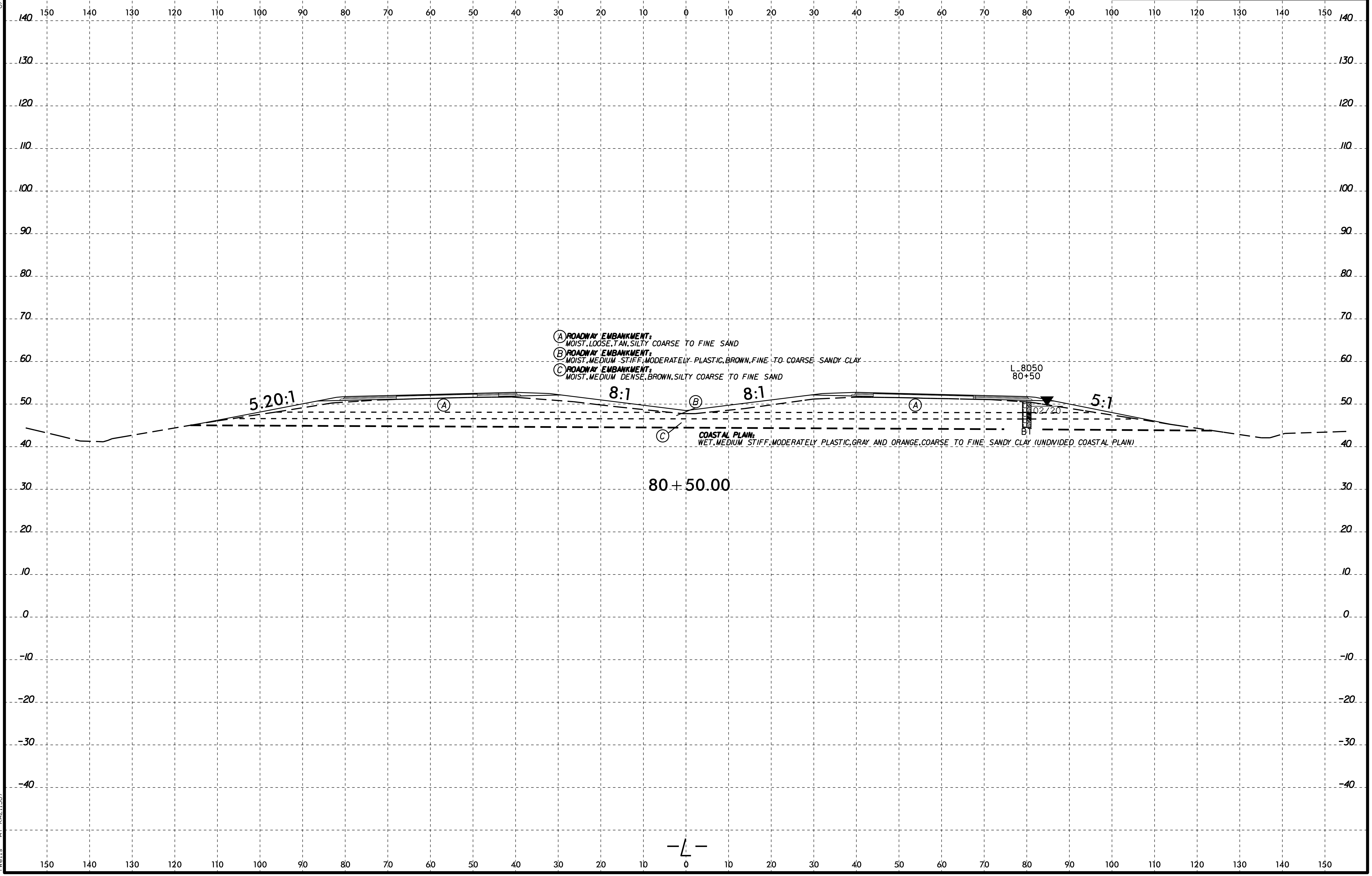
Ⓐ

Ⓐ

78+50.00

-L-

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	130



6/23/16

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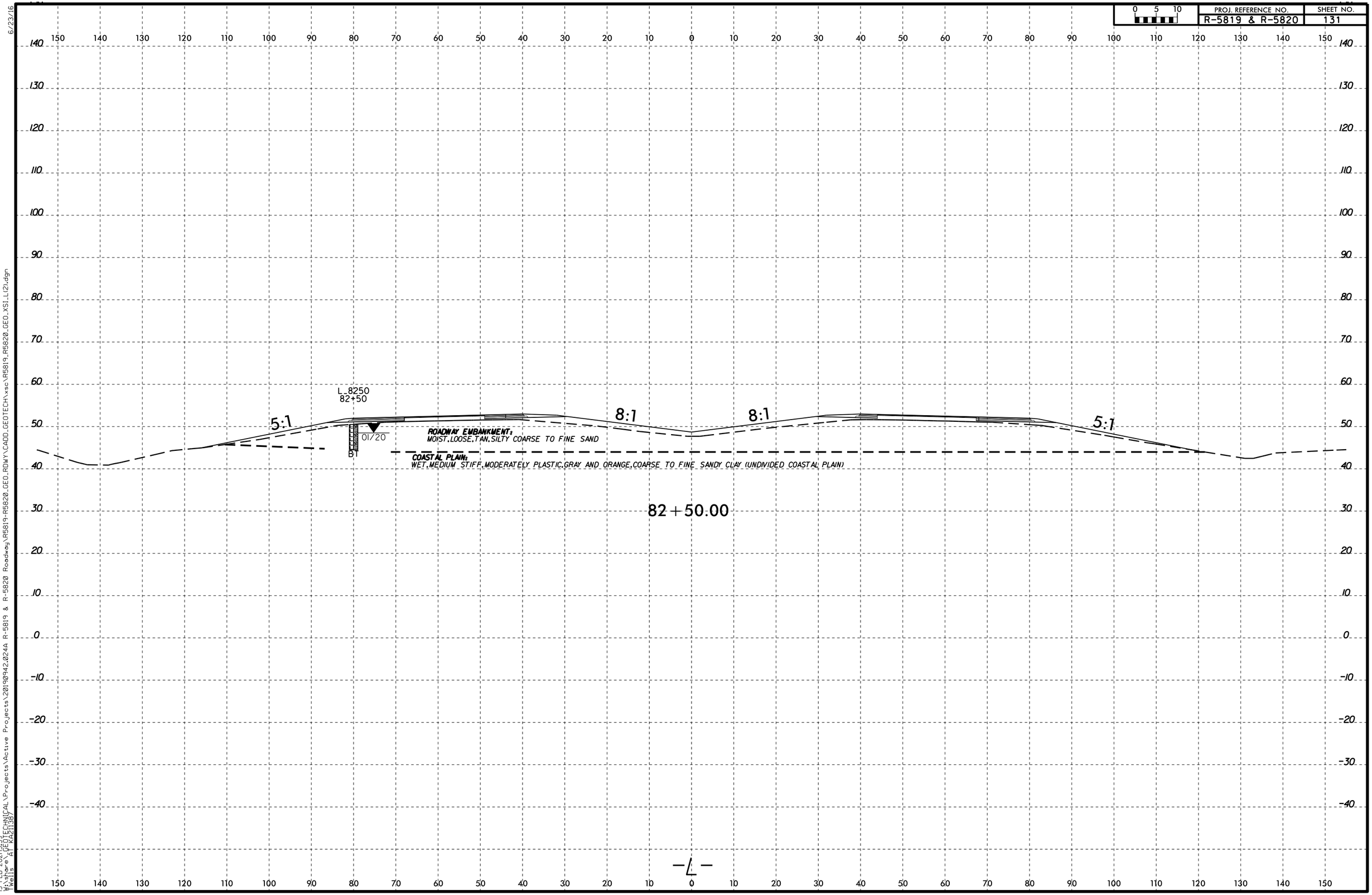
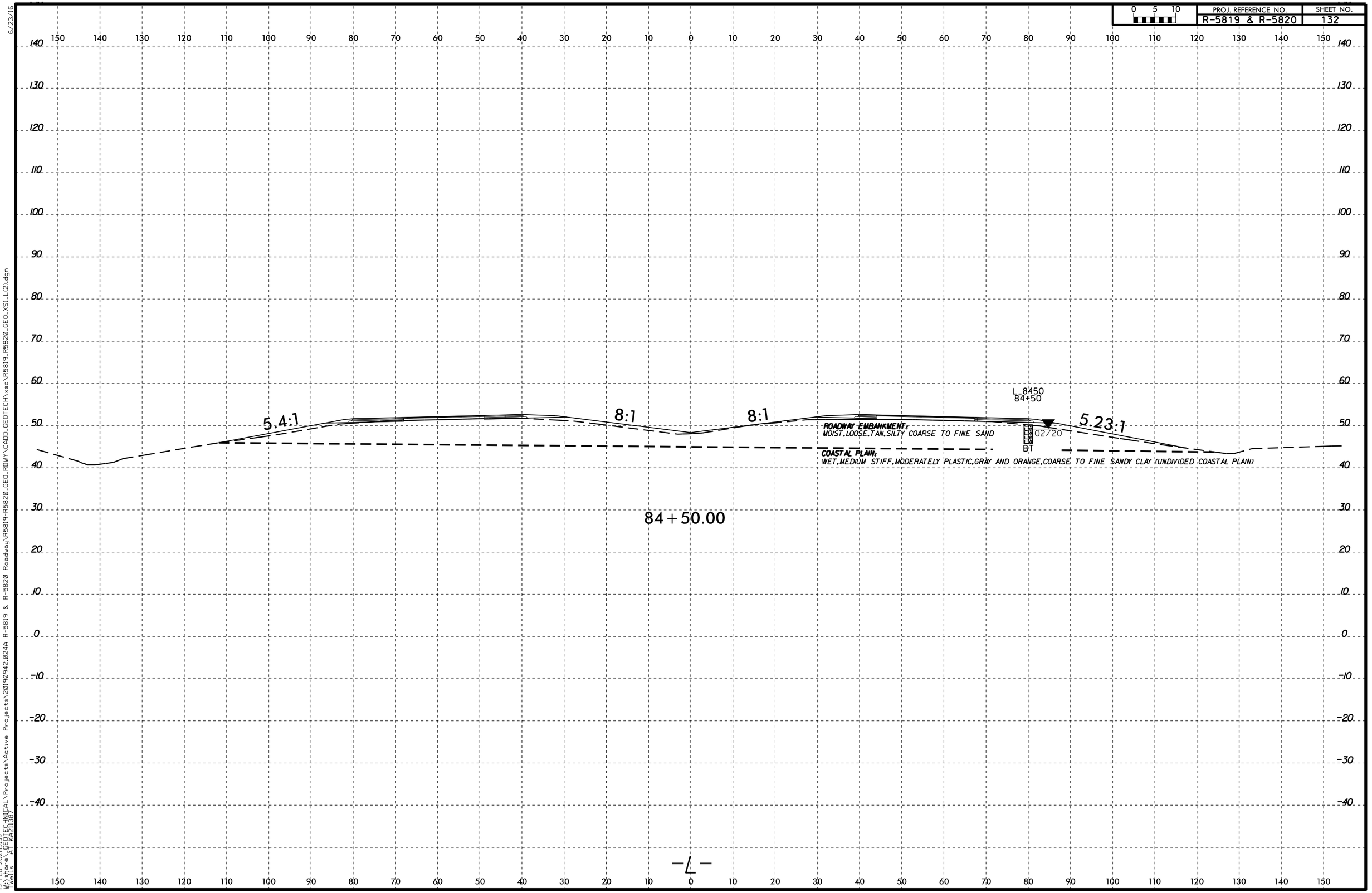
TWells AT KA211387

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	131



0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	132



6/23/16

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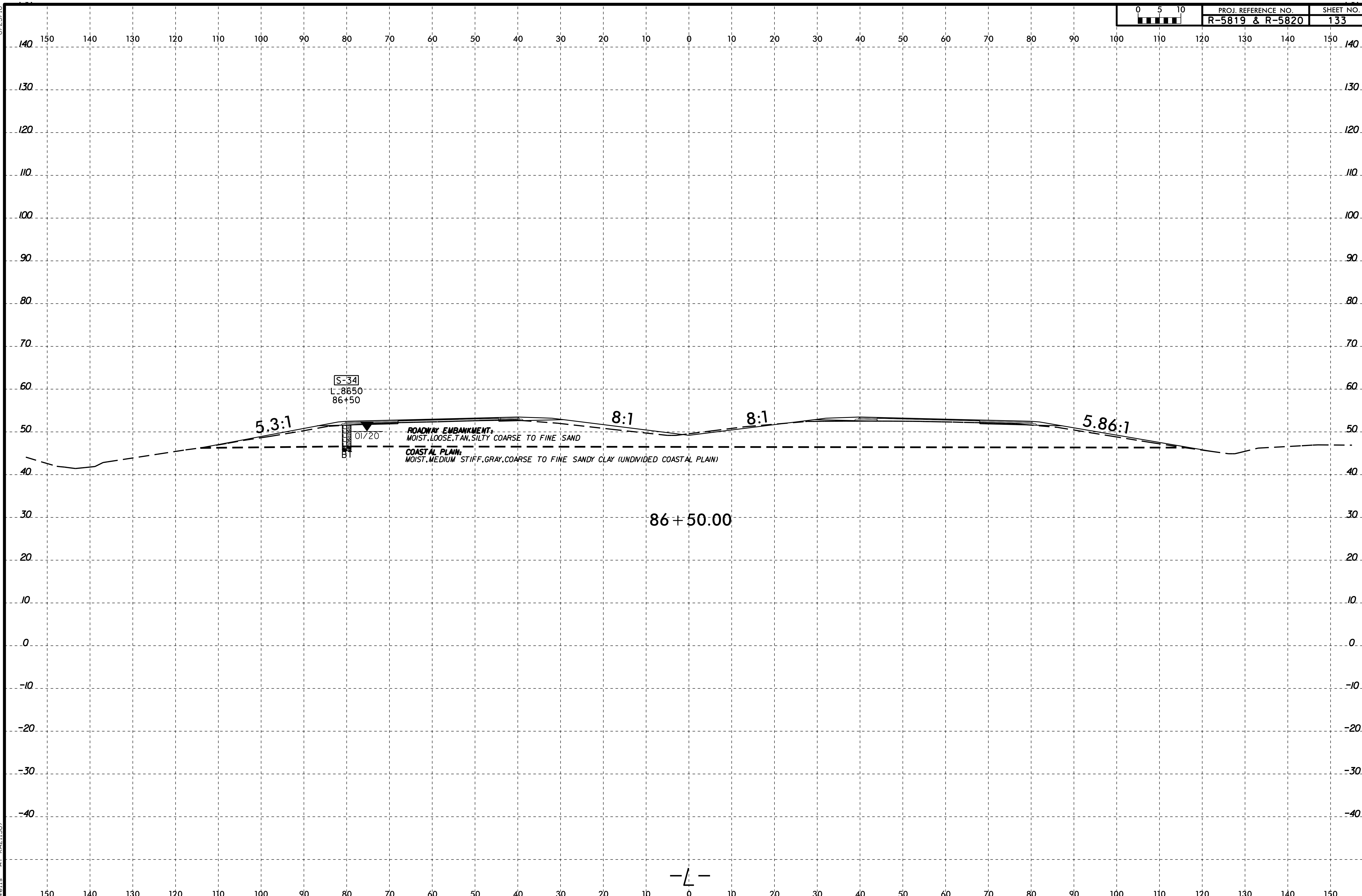
Wells AT KH21138



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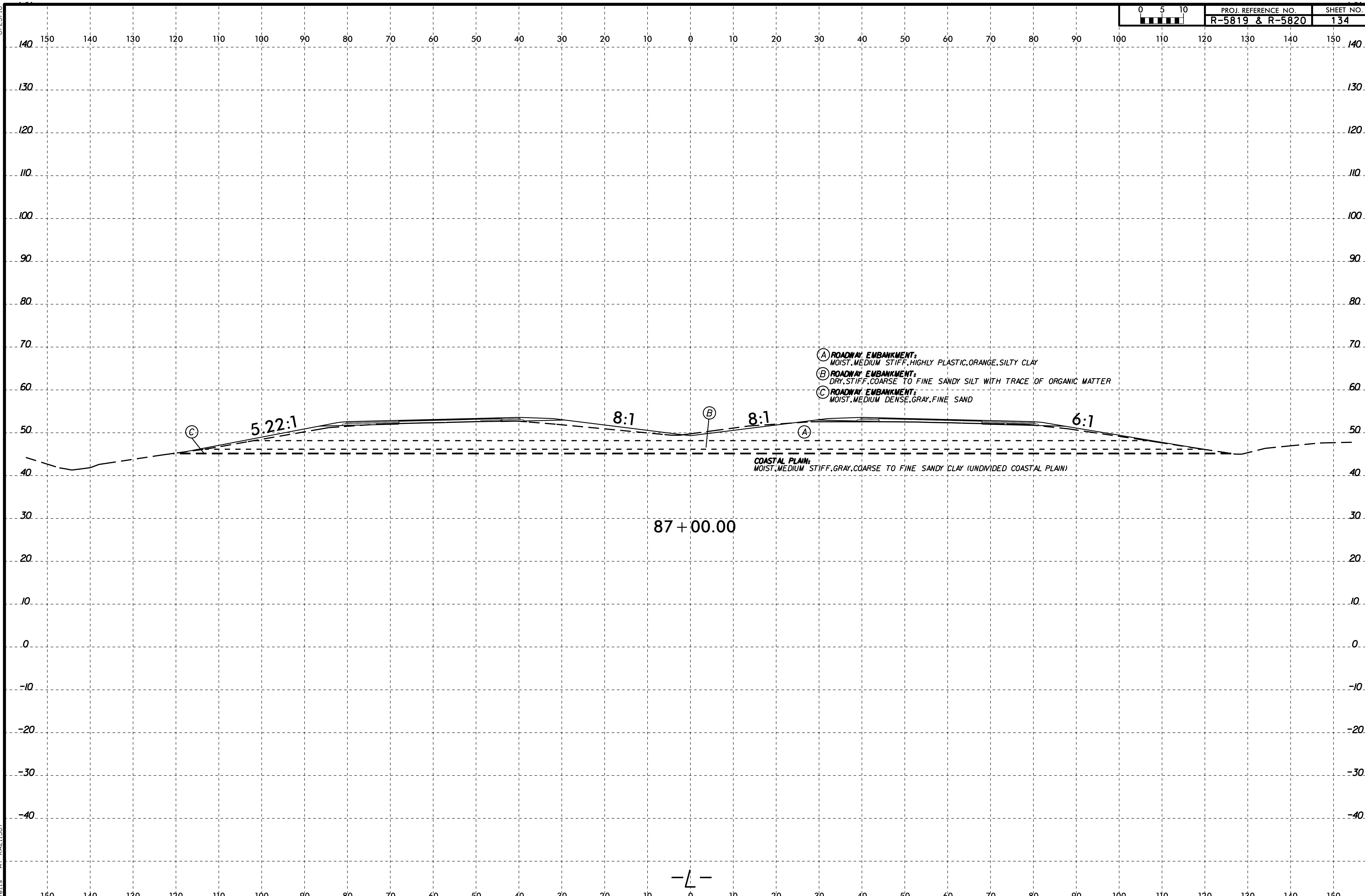
T.Wells AT KA211387

PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	134



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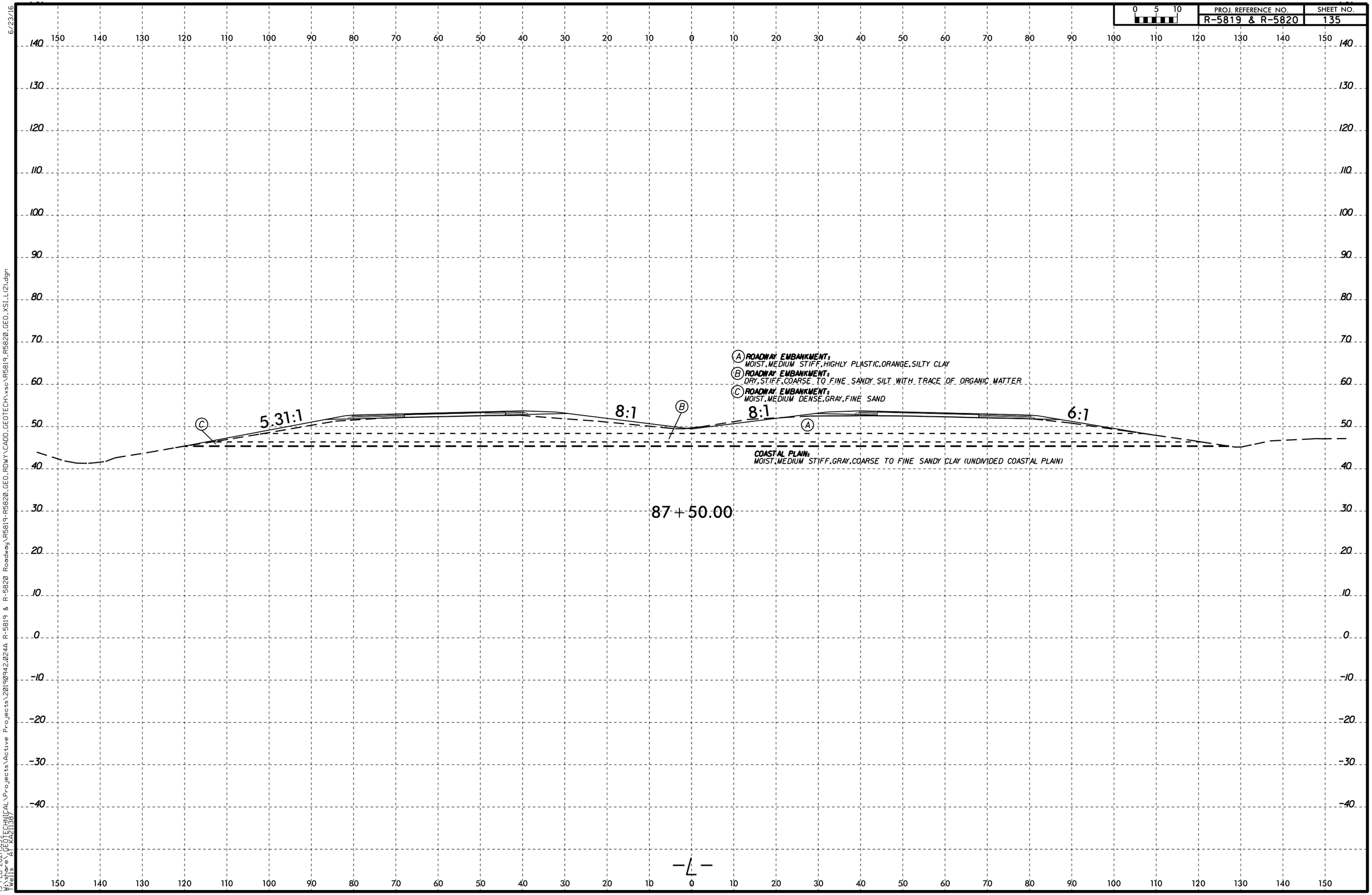
TWells AT KA211387

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	135



6/23/16

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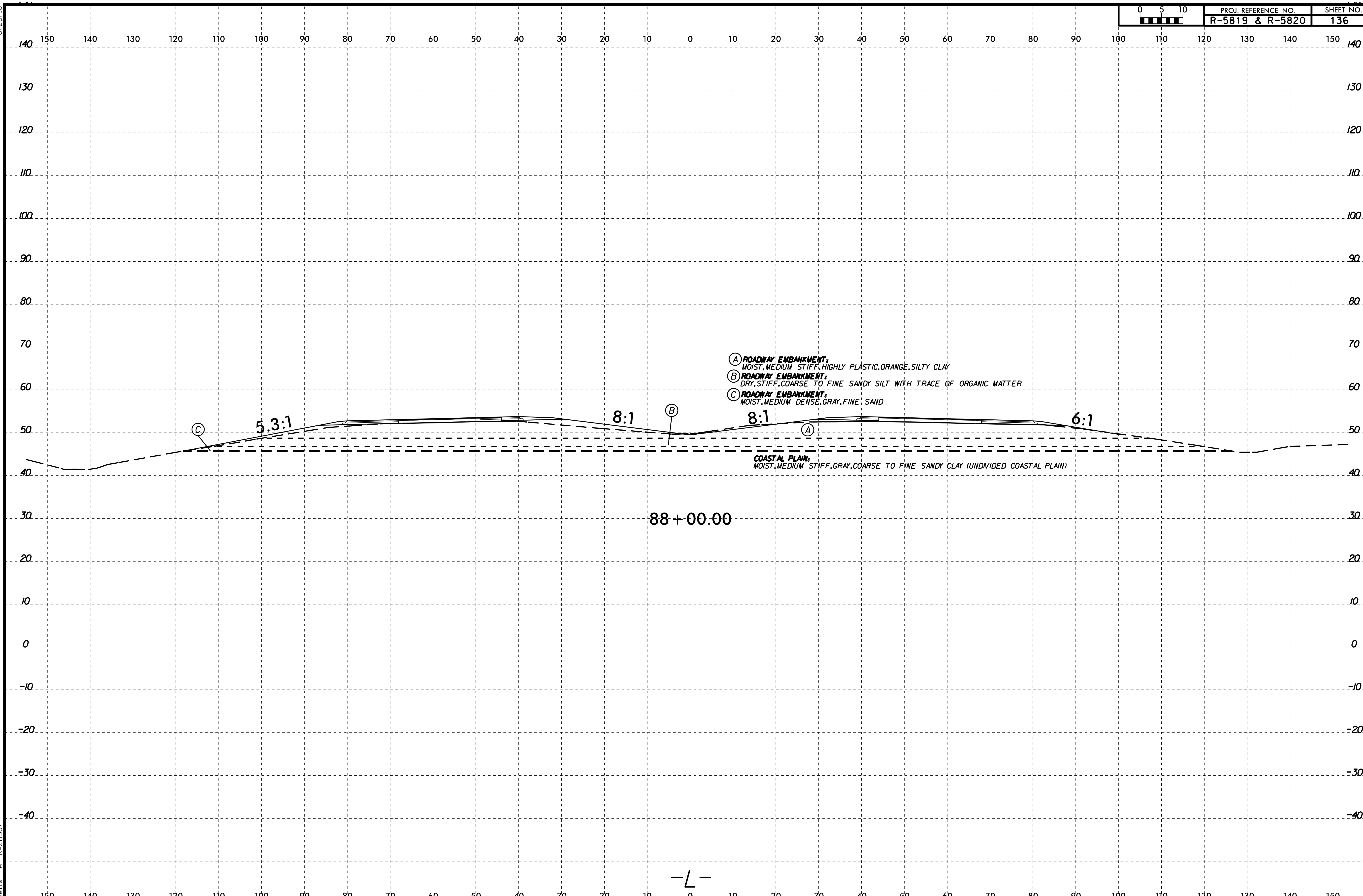
Wells AT KH21138

PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	136



6/23/16

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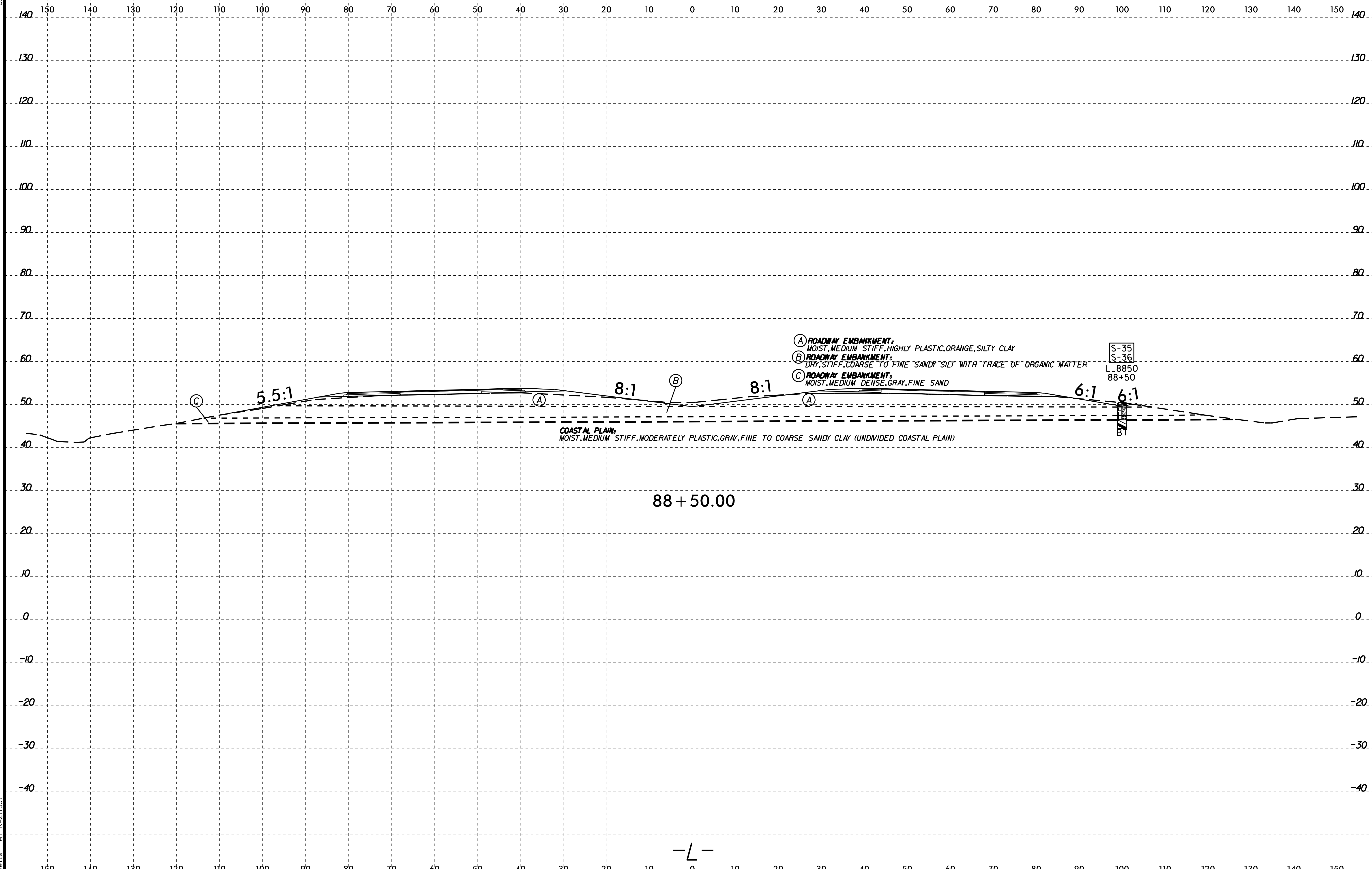
TWells AT KA211387

PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	137



6/23/16

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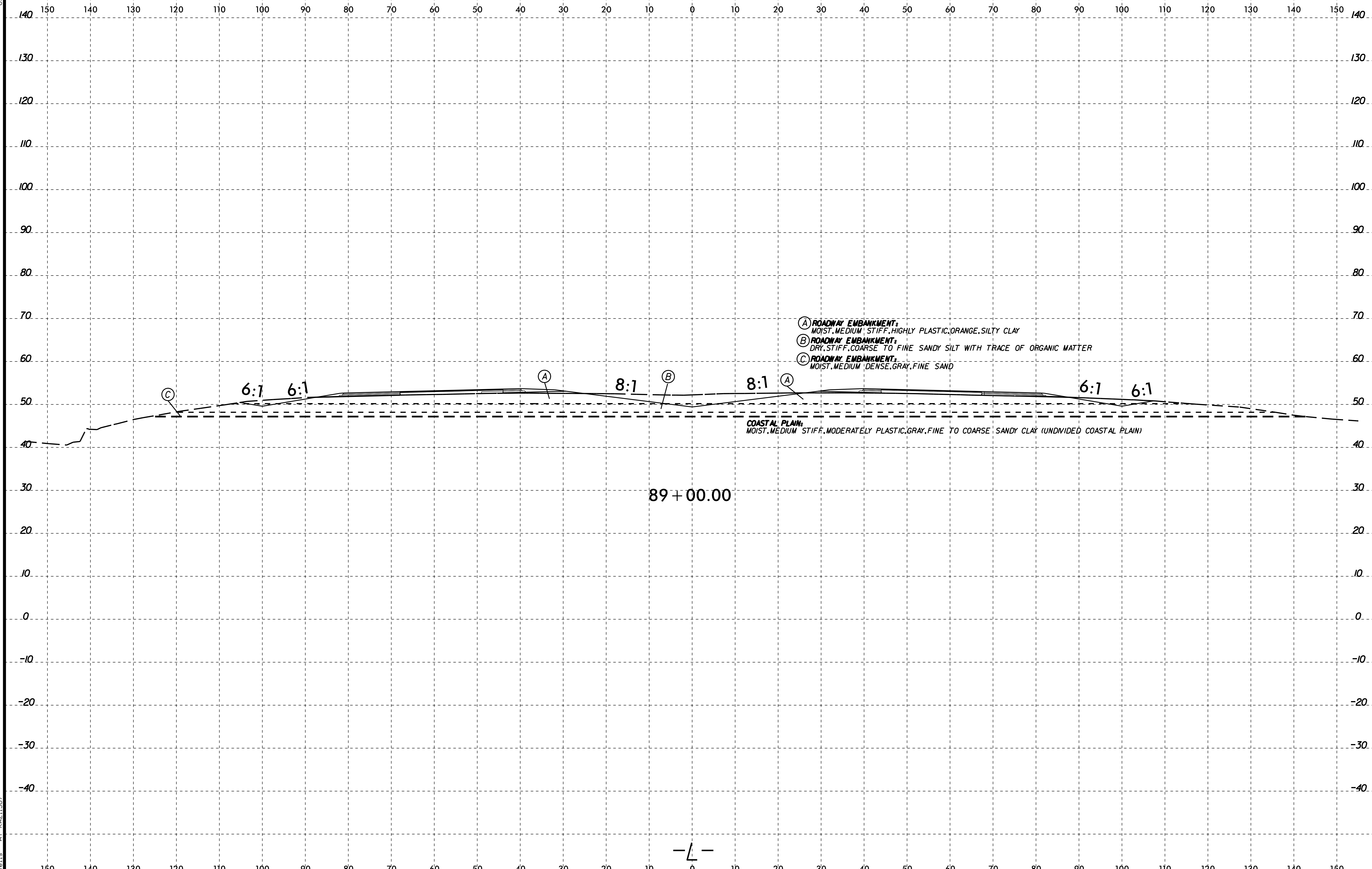
TWells AT KA211387

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	138



89+00.00

6/23/16

15-FEB-2021 15:53
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Wells AT KA21387

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	139

(A) **ROADWAY EMBANKMENT:**
MOIST, MEDIUM DENSE, BROWN, SILTY COARSE TO FINE SAND

(B) **COASTAL PLAIN:**
SATURATED, STIFF, HIGHLY PLASTIC, GRAY, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

6:1 6:1 8:1 8:1 6:1 6:1

Y2_3880
89+33

(A)
(B)

COASTAL PLAIN: SATURATED, LOOSE TO VERY LOOSE, GRAY AND BROWN, CLAYEY FINE TO COARSE SAND AND SILTY FINE TO COARSE SAND WITH SHELL FRAGMENTS (UNDIVIDED COASTAL PLAIN)

SATURATED, MEDIUM HARD, GRAY, LIMESTONE (WACCAMAW FORMATION)

MOIST TO SATURATED, LOOSE TO VERY DENSE, GREENISH BROWN TO DARK BROWN, SILTY FINE TO COARSE SAND TO CLAYEY COARSE TO FINE SAND (PEEDEE FORMATION)

MOIST, VERY STIFF, MODERATELY PLASTIC, DARK GRAY TO BROWN, SILTY CLAY (PEEDEE FORMATION)

WET, MEDIUM DENSE, MODERATELY PLASTIC, DARK BROWN TO DARK GRAY, CLAYEY COARSE TO FINE SAND (PEEDEE FORMATION)

WET, VERY STIFF, MODERATELY PLASTIC, DARK GRAY AND BROWN, SILTY CLAY (PEEDEE FORMATION)

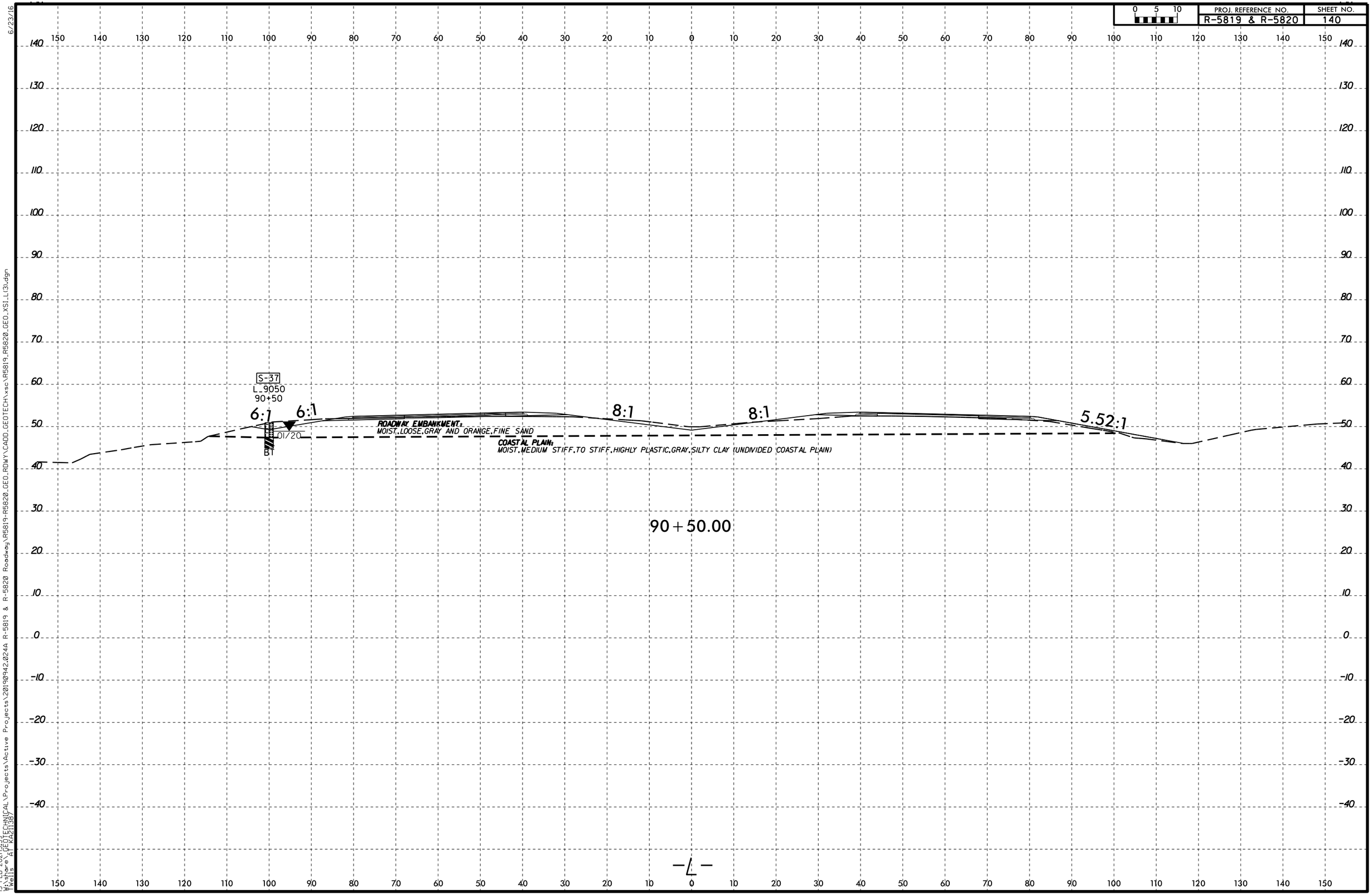
25 12 9 WOH 8 100/0.4 5 8 9 14 19 19 18 16 13 19 19

BT
FIAD
01/20

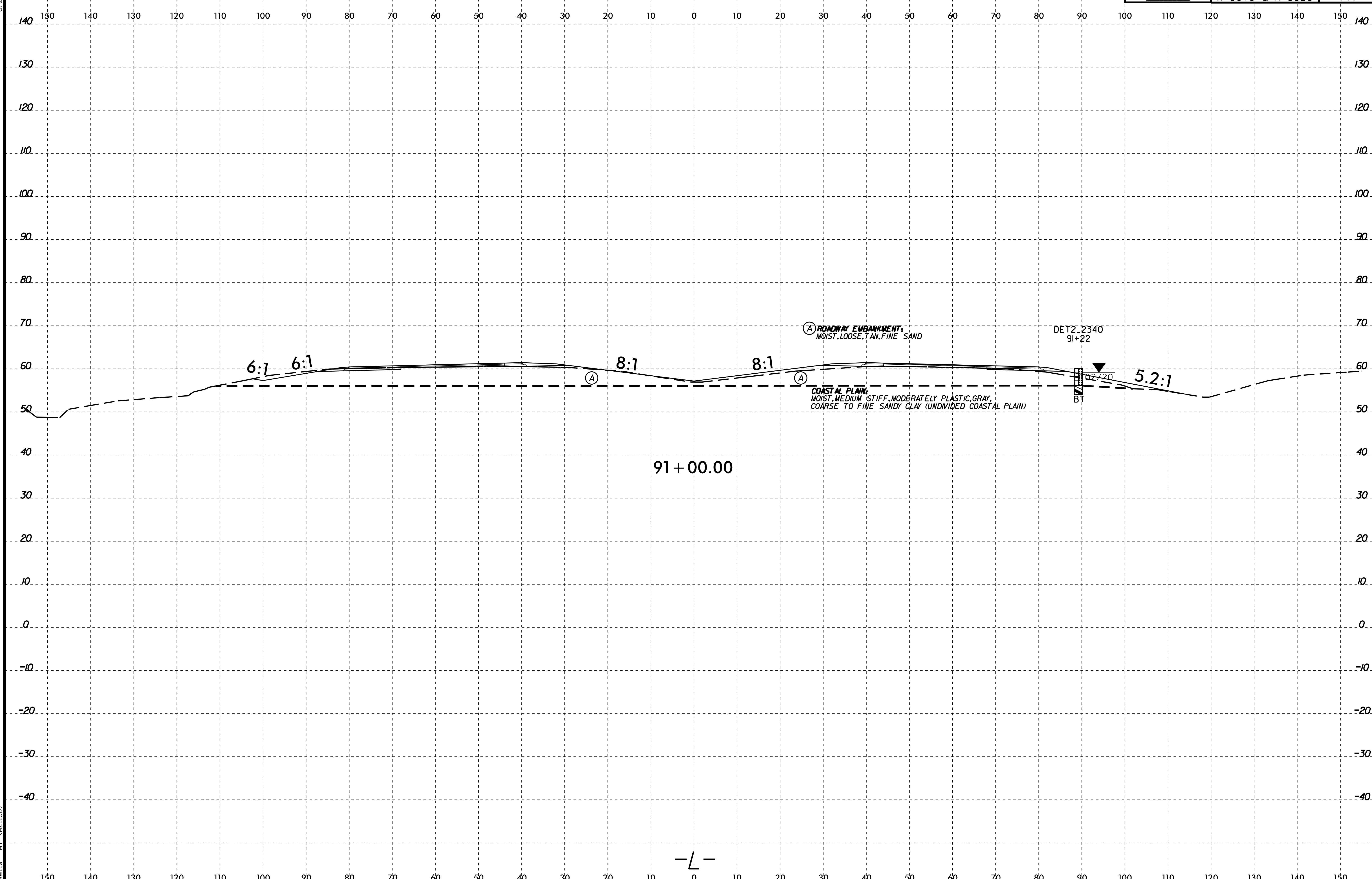
89+50.00

15-FEB-2021 15:59
W:\share\GEOTECHNICAL\Projects\Active Projects\20190942.024A R-5819 & R-5820 Roadway\R5819-R5820_GEO_ROW'Y\CADD_GEOTECH\xsc\R5819_R5820_GEO_XSLL(2).dgn
Wells AT KA21138

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	140



PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	141



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TWells AT KA211387

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	142

Ⓐ **ROADWAY EMBANKMENT:** MOIST, STIFF, ORANGE TO BROWN, COARSE TO FINE SANDY SILT

Ⓑ **ROADWAY EMBANKMENT:** MOIST, STIFF, HIGHLY PLASTIC, BROWN, SILTY CLAY

Ⓒ **ROADWAY EMBANKMENT:** MOIST, STIFF, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER

COASTAL PLAIN: MOIST, STIFF, HIGHLY PLASTIC, BROWN, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

6:1

8:1

8:1

5.13:1

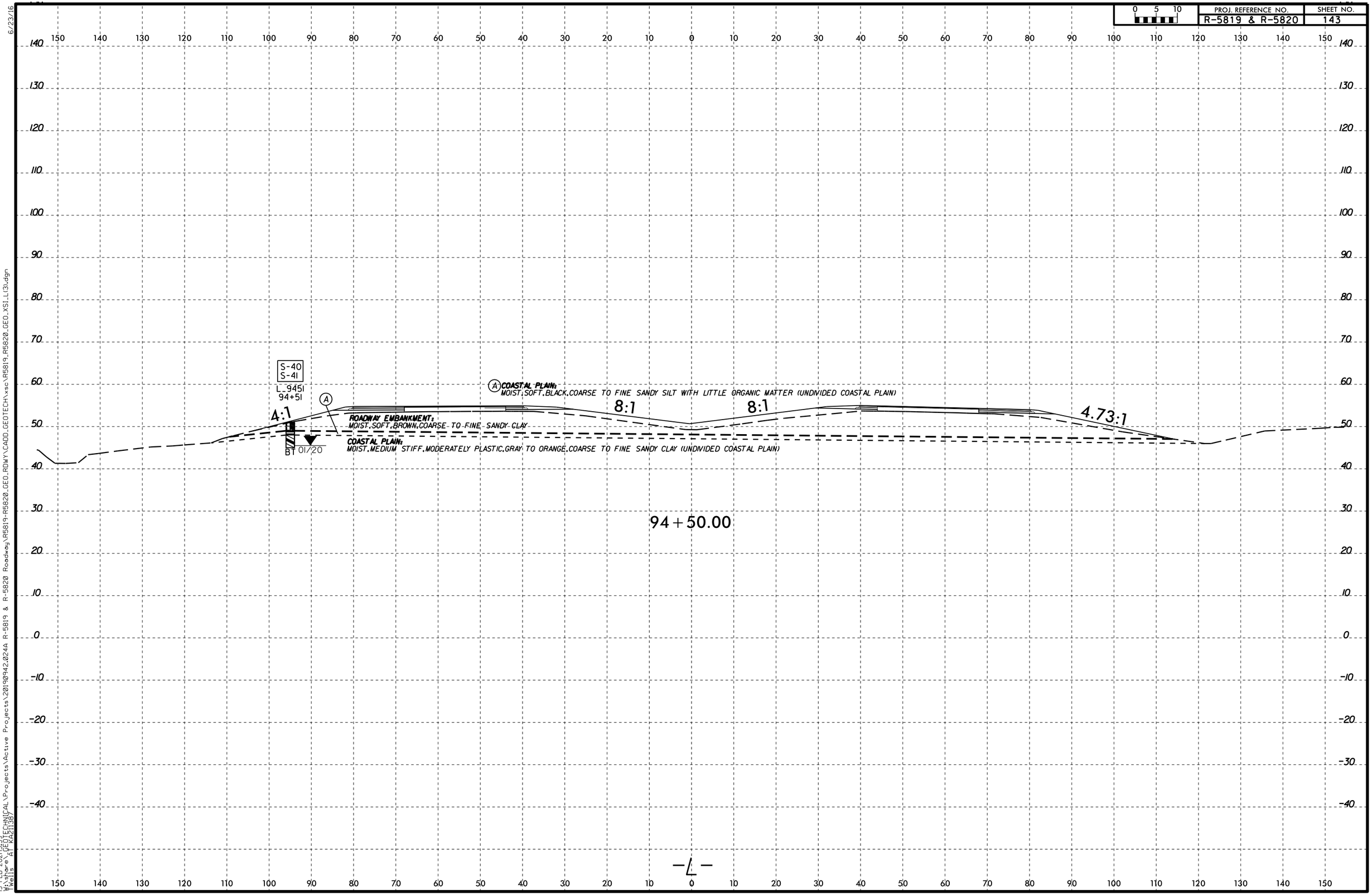
S-38
S-39
L 9250
92+50

BT

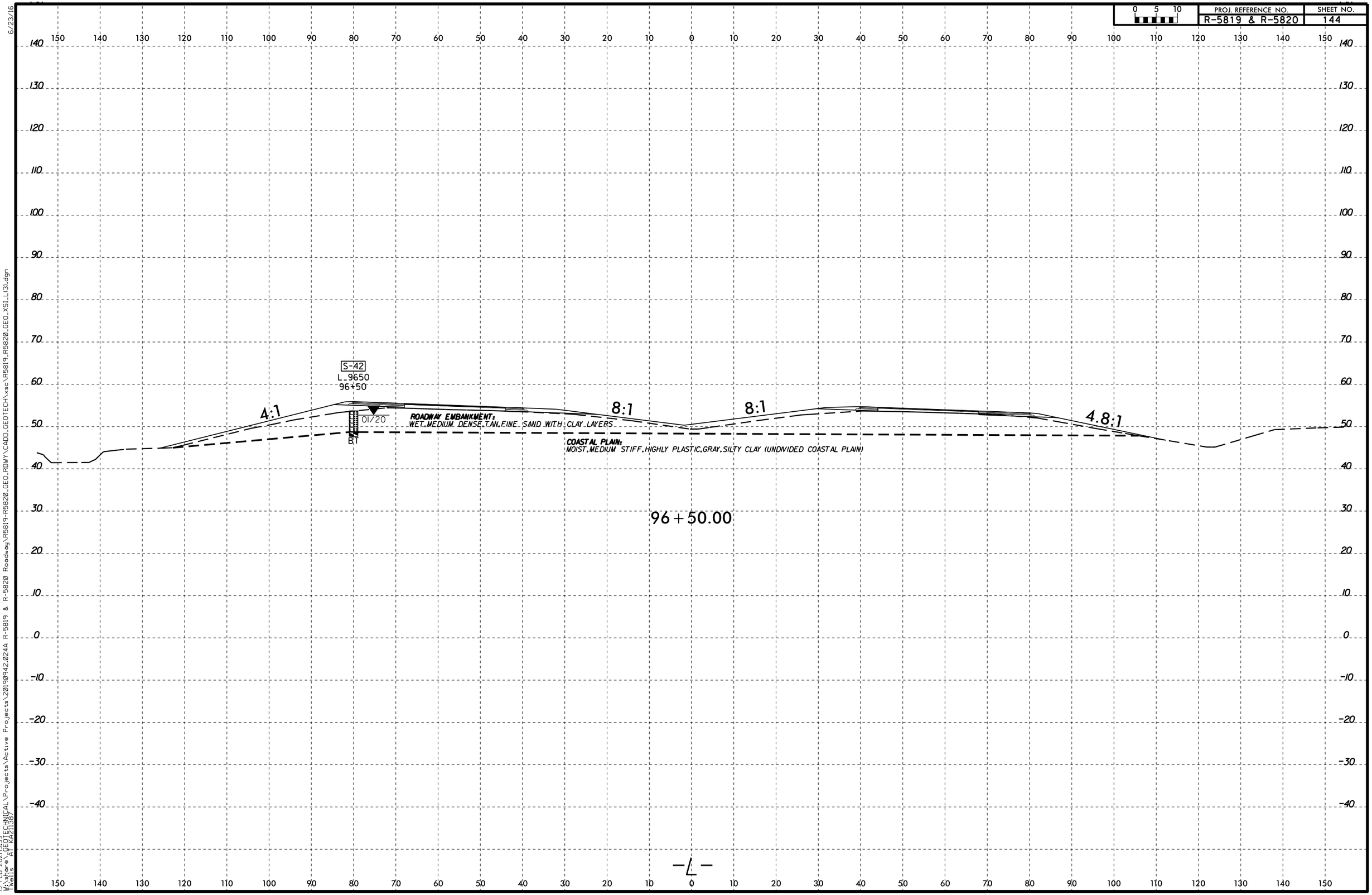
92 + 50.00

—L—

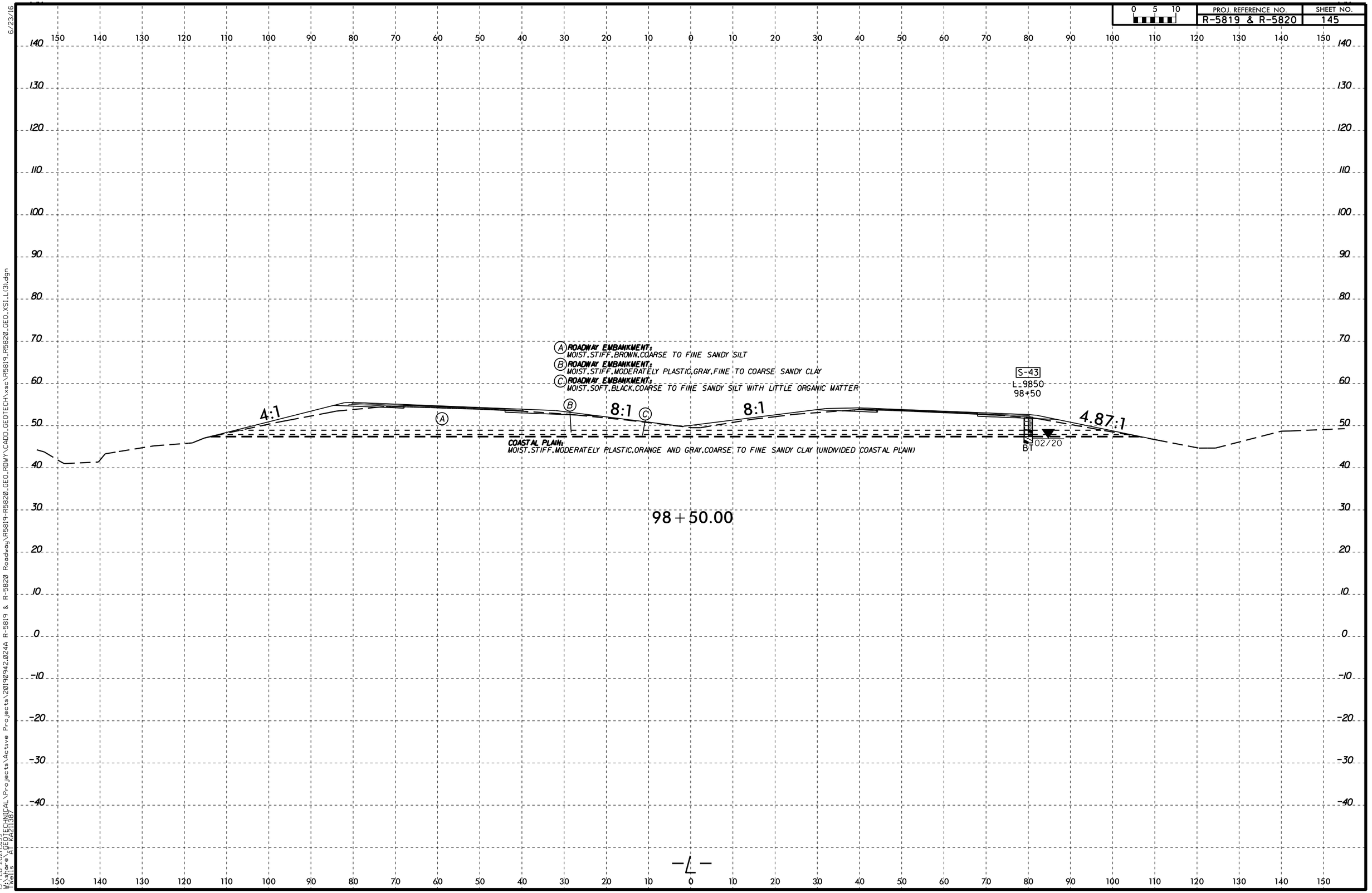
0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	143



0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	144



0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	145



6/23/16

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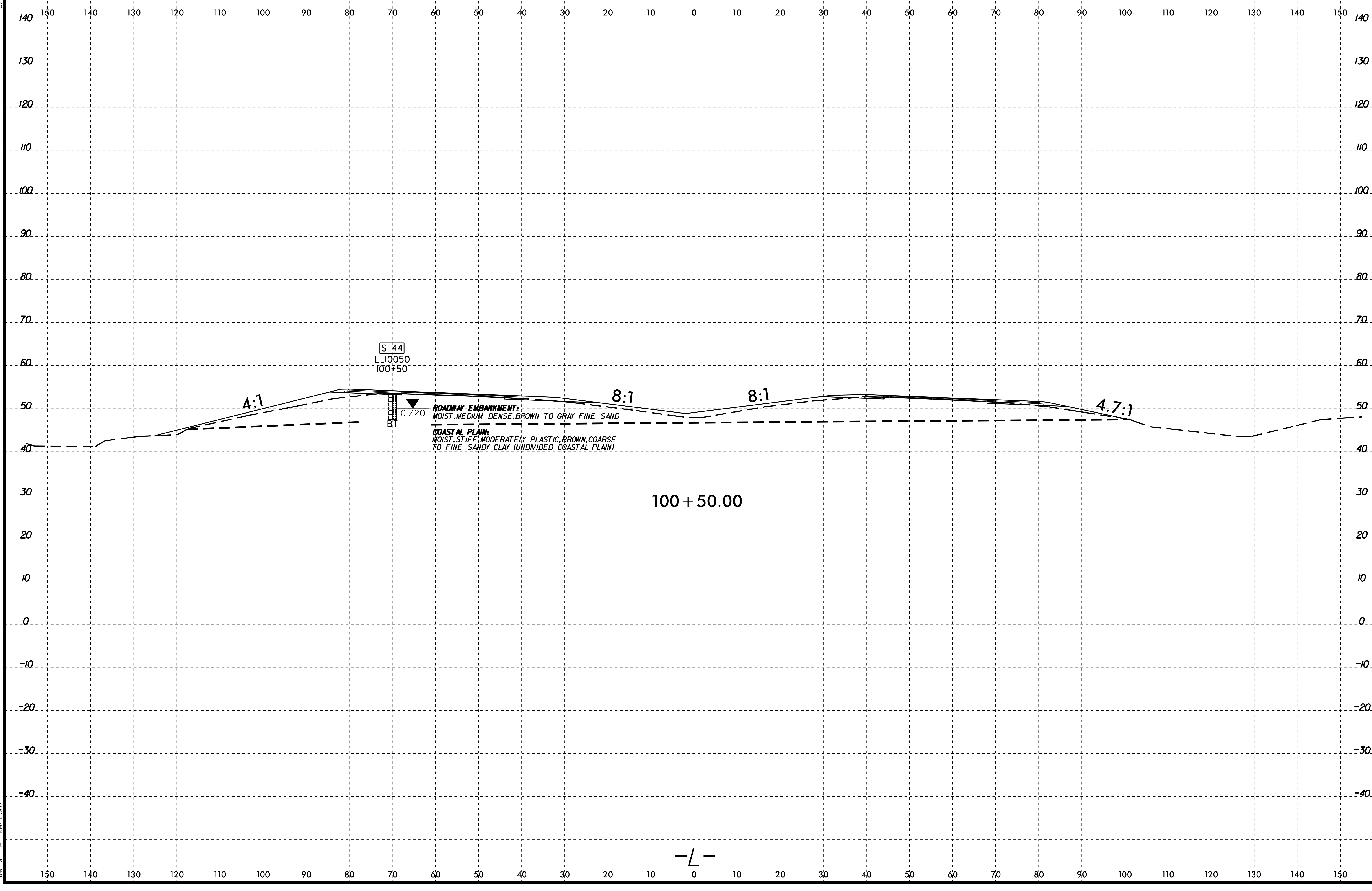
Wells AT KH21138

PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	146



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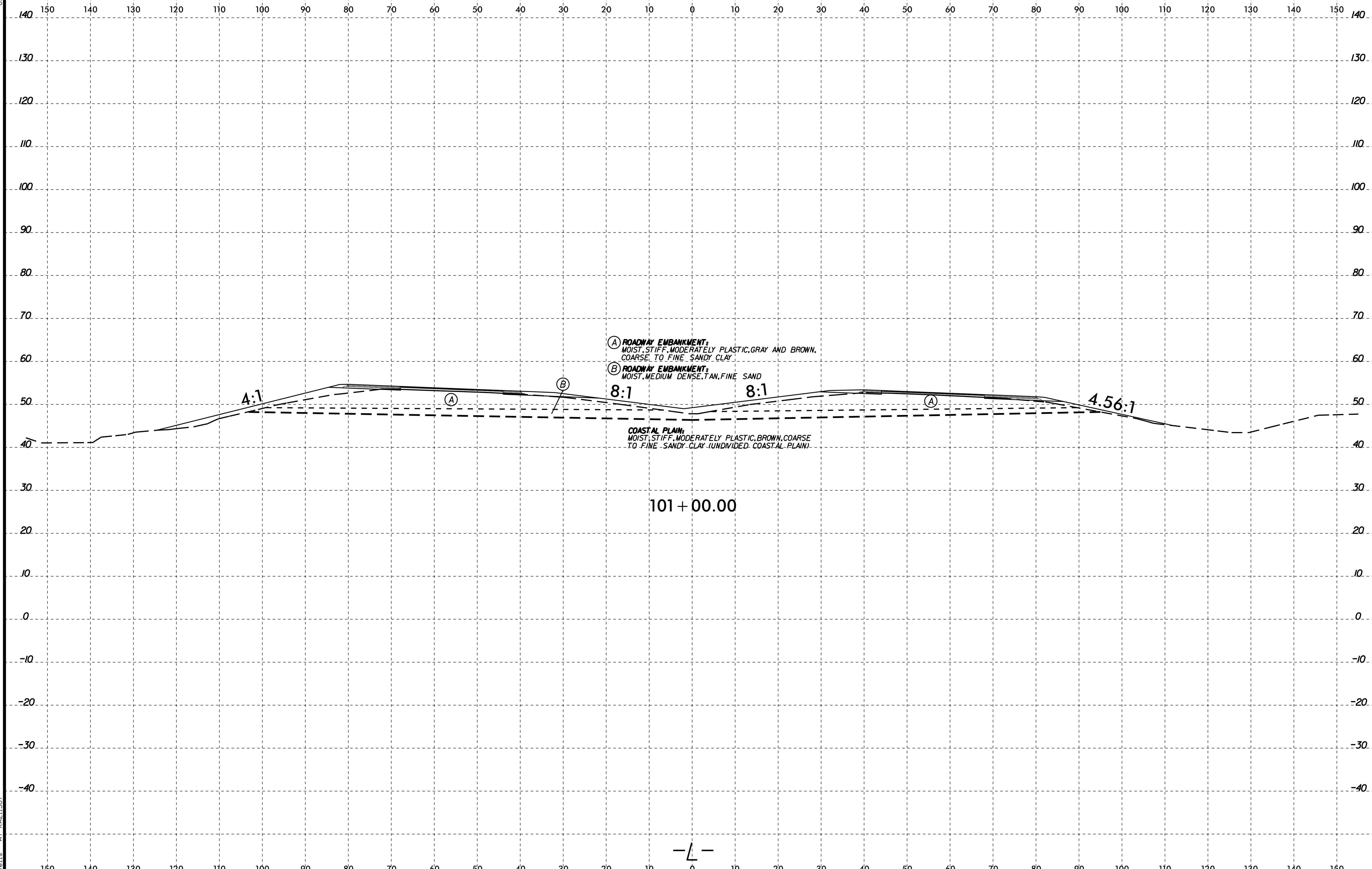
R-5819 & R-5820	147



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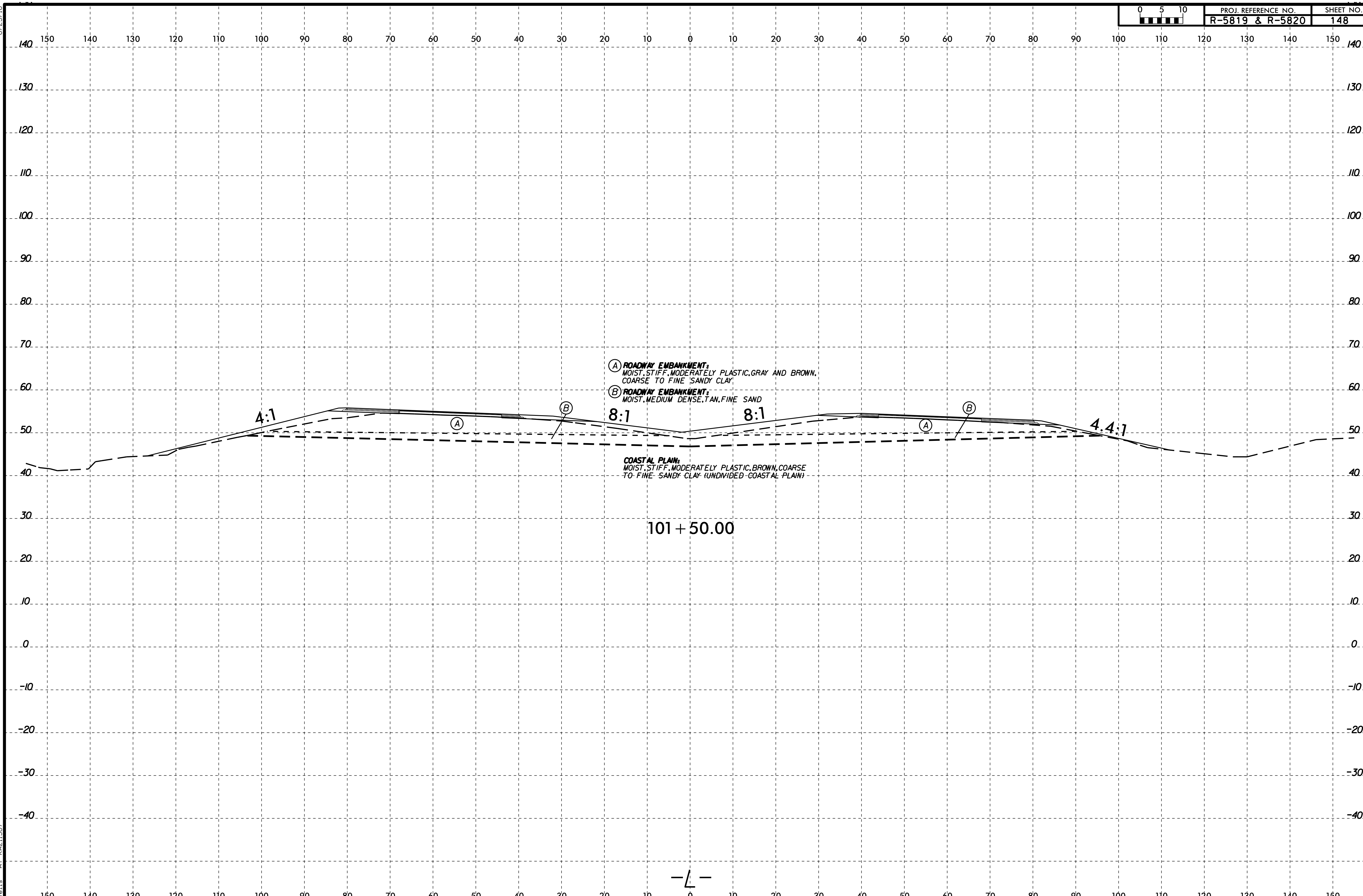
Twells AT KA21387



6/23/16
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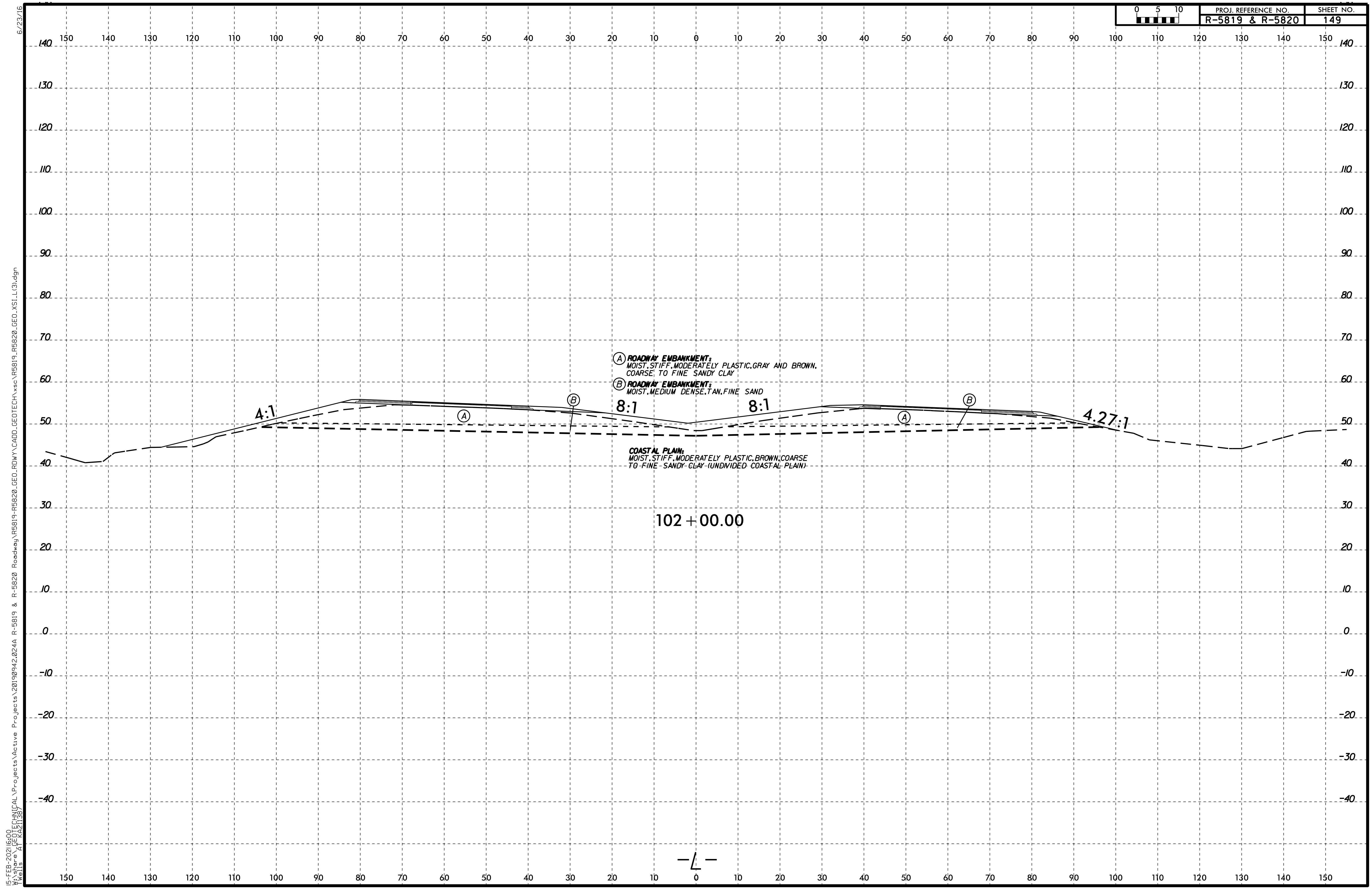
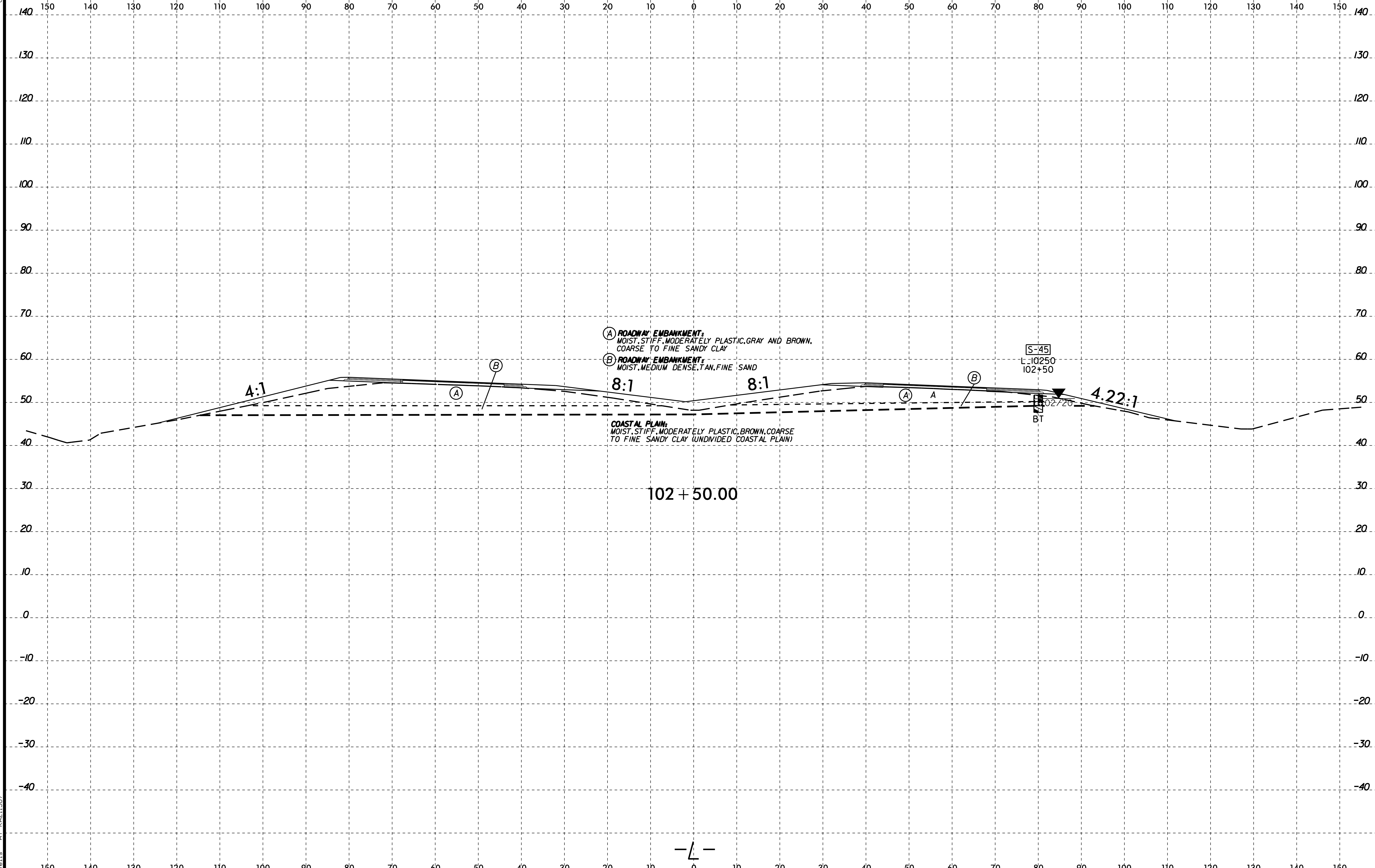
T.Wells AT KA2I1387



0 5 10
PROJ. REFERENCE NO.
R-5819 & R-5820
SHEET NO.
149
4:1
8:1
8:1
4.27:1
A ROADWAY EMBANKMENT:
MOIST, STIFF, MODERATELY PLASTIC, GRAY AND BROWN, COARSE TO FINE SANDY CLAY
B ROADWAY EMBANKMENT:
MOIST, MEDIUM DENSE, TAN, FINE SAND
COASTAL PLAIN:
MOIST, STIFF, MODERATELY PLASTIC, BROWN, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)
102 + 00.00
-L-
6/23/16
W:\share\GEOTECHNICAL\Projects\Active Projects\2019042.024A R-5819 & R-5820 Roadway\R5819-R5820_GEO_RDWY\CADD_GEOTECH\xsc\R5819_R5820_GEO_XSI_L(3).dgn
15-FEB-2021 16:00
TWells AT KA211387



15-FEB-2021 16:00
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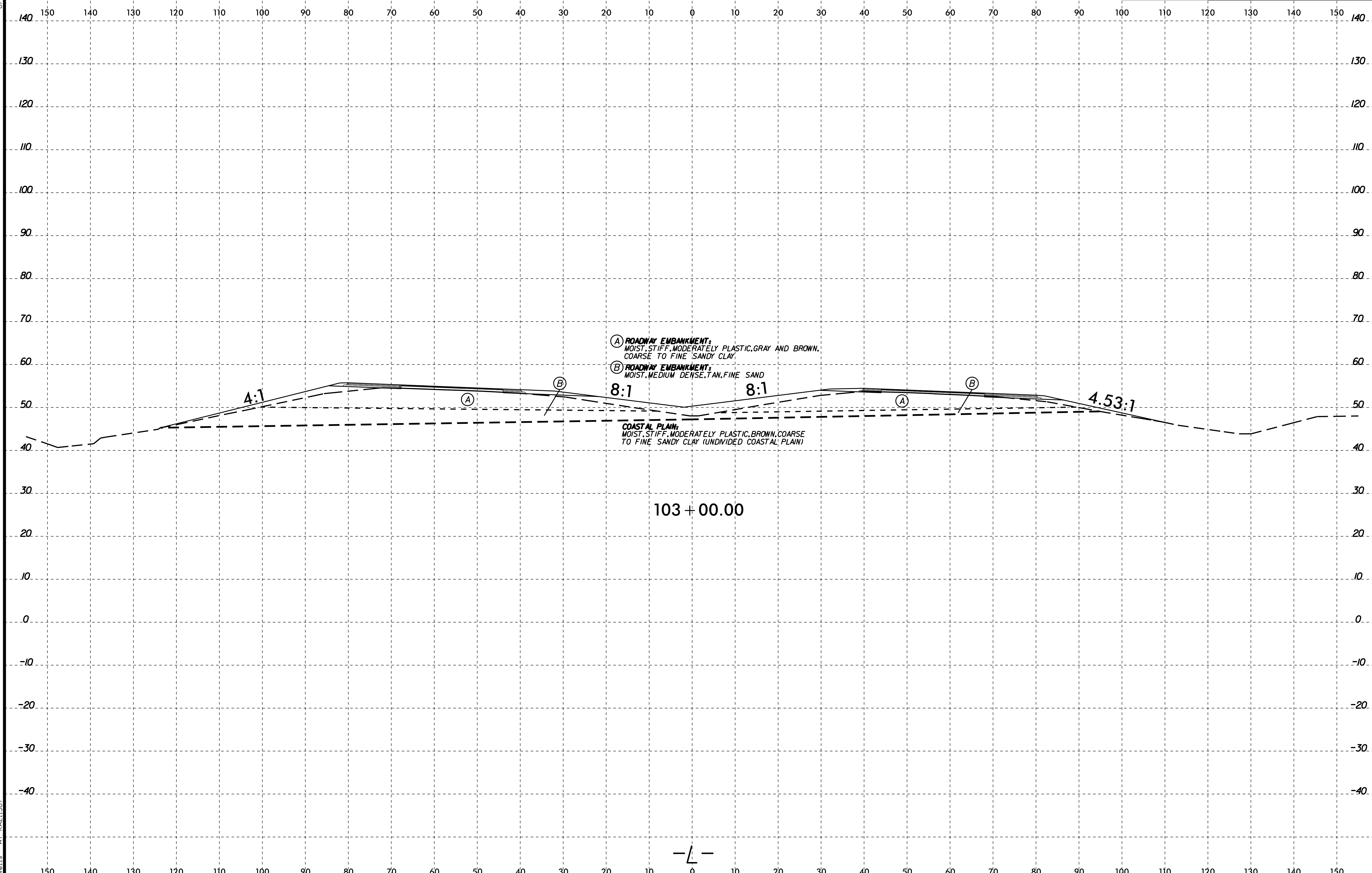
Twells AT KA21387
6/23/16

PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	151



6/23/16

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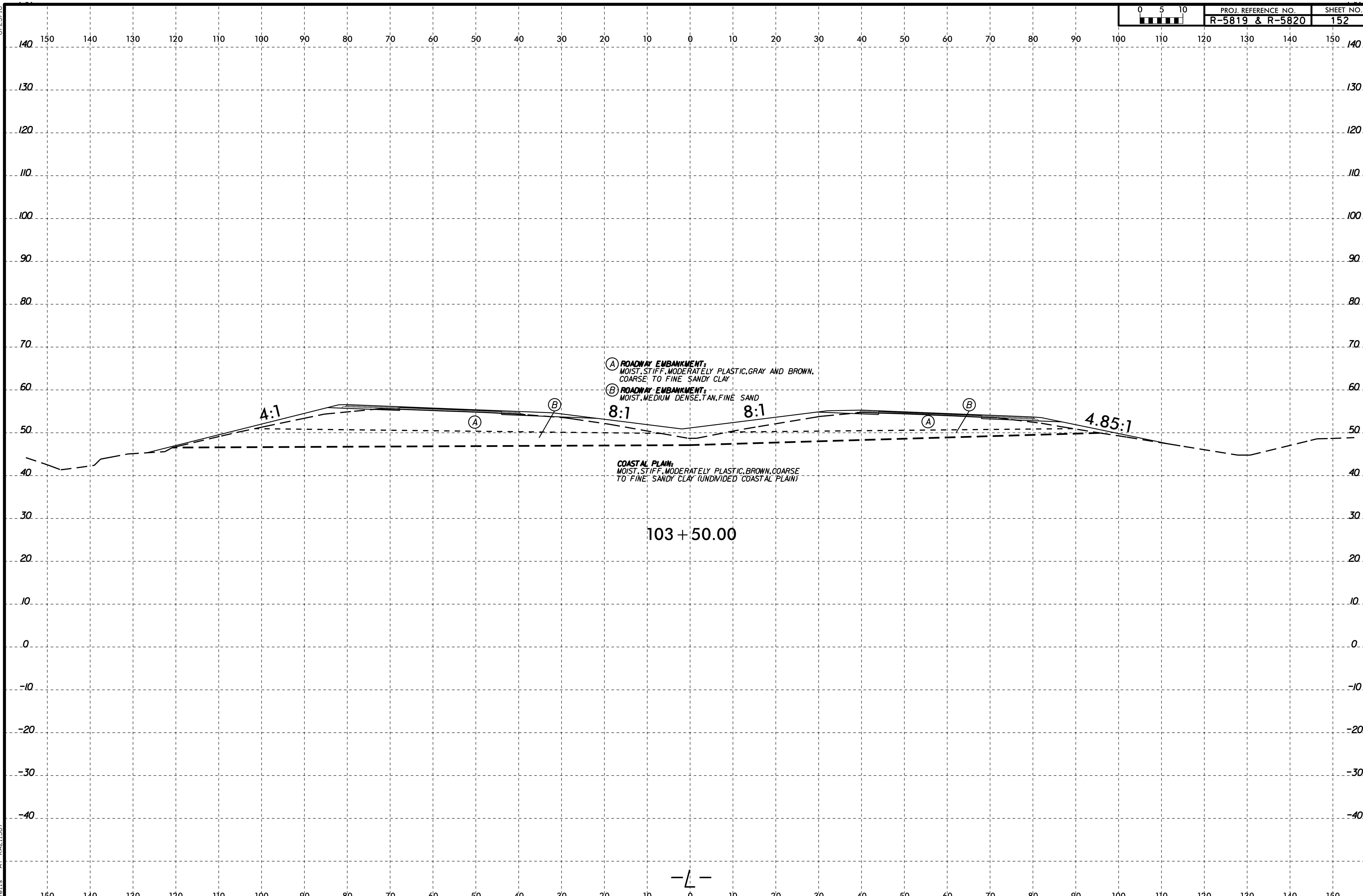
TWells AT KA211387

PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	152



6/23/16

15-FEB-2021 16:00
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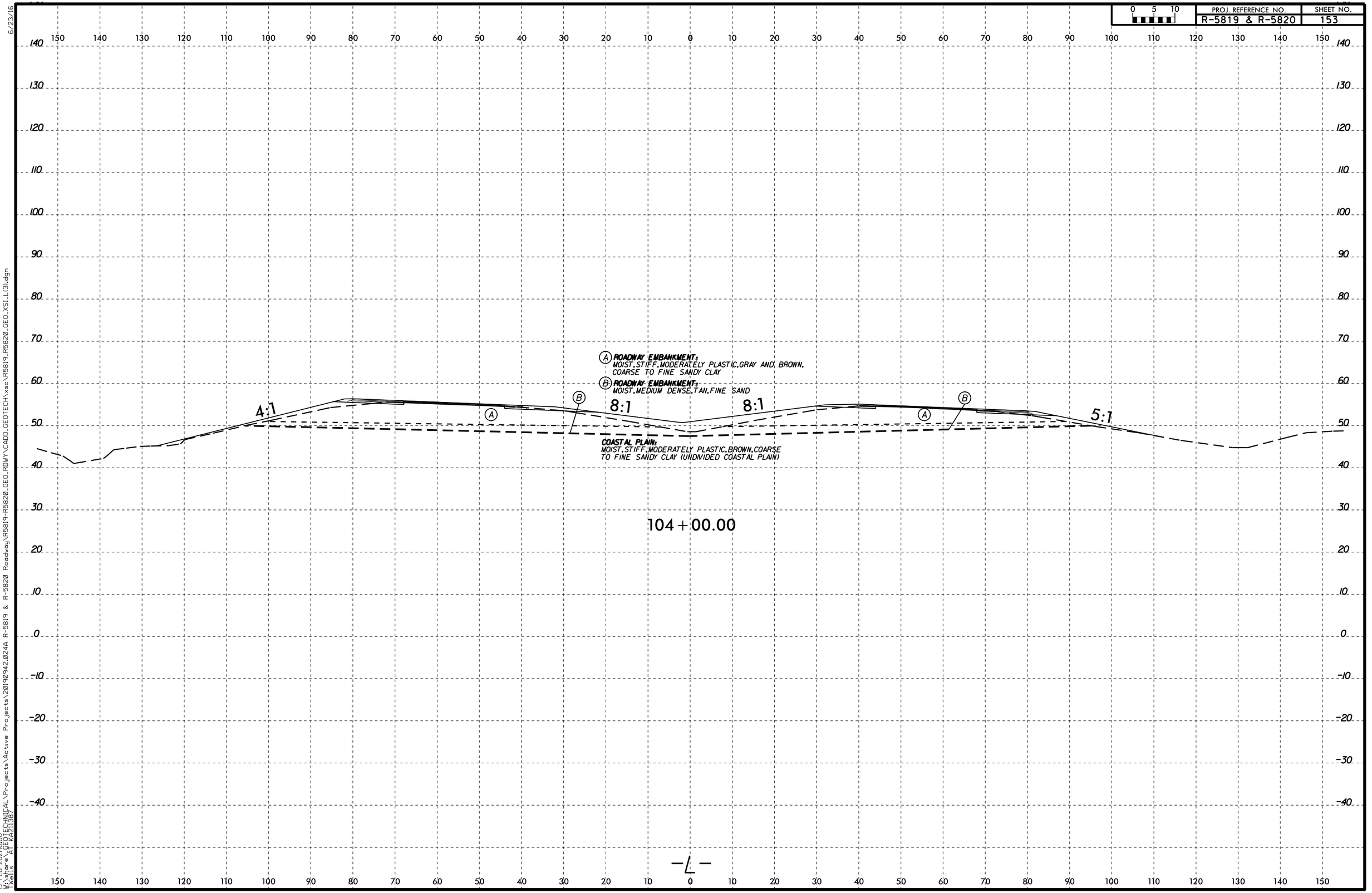
T.Wells AT KA2I1387

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	153



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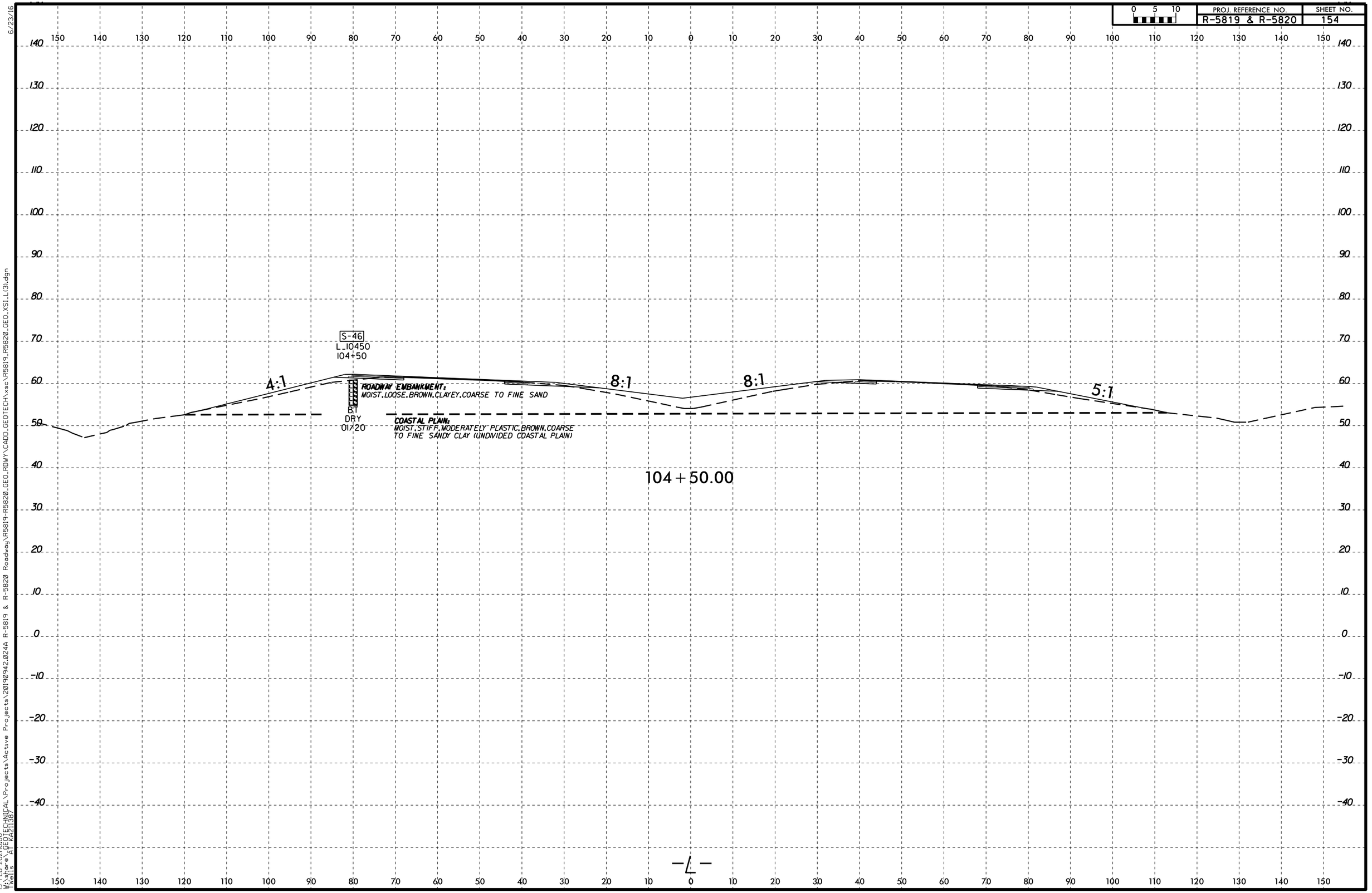

6/23/16

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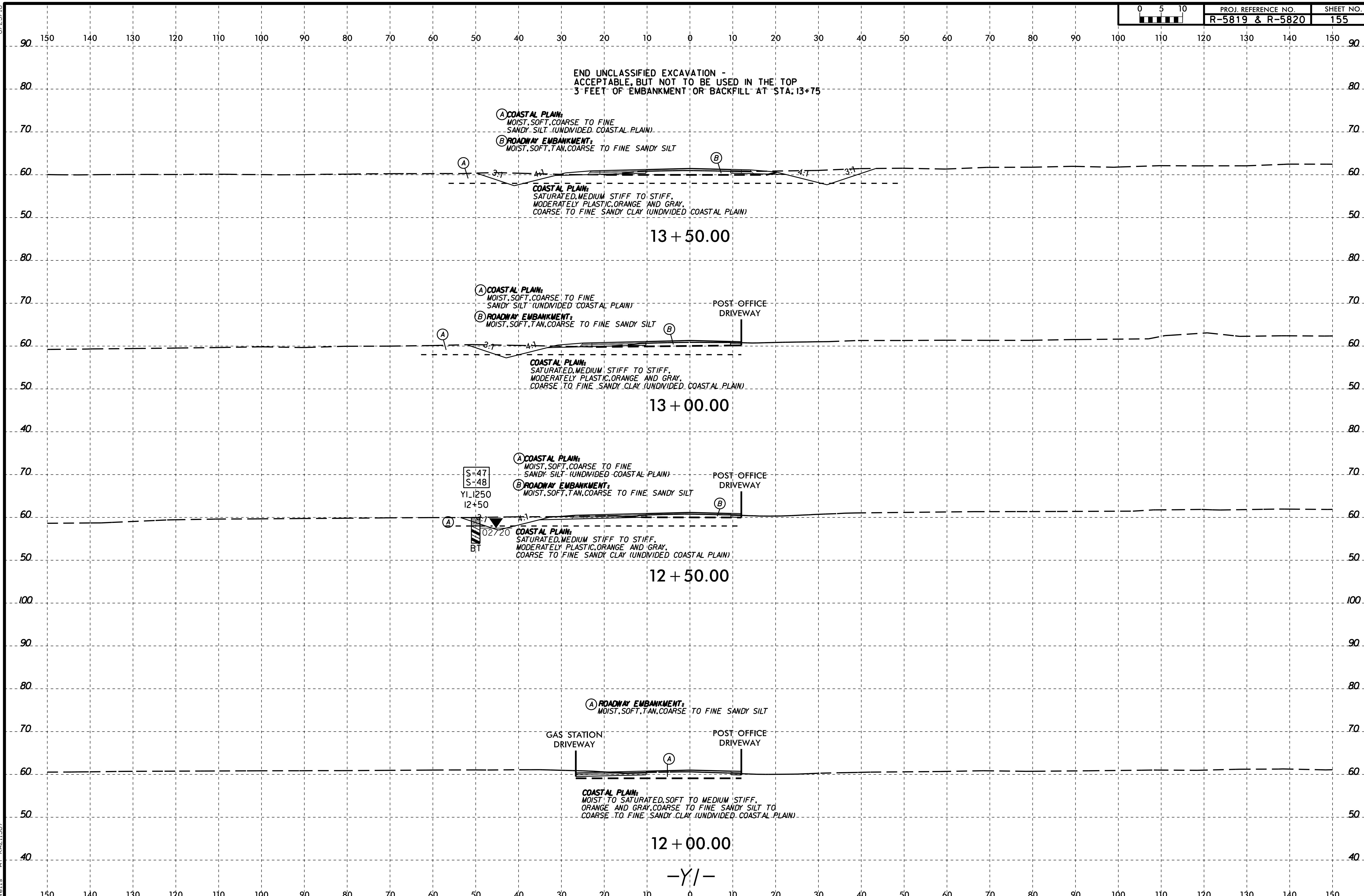
Wells AT KAZI136

PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	155



0 5 10
END UNCLASSIFIED EXCAVATION - ACCEPTABLE, BUT NOT TO BE USED IN THE TOP 3 FEET OF EMBANKMENT OR BACKFILL AT STA. 13+75
(A) COASTAL PLAIN: MOIST, SOFT, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)
(B) ROADWAY EMBANKMENT: MOIST, SOFT, TAN, COARSE TO FINE SANDY SILT
COASTAL PLAIN: SATURATED, MEDIUM STIFF TO STIFF, MODERATELY PLASTIC, ORANGE AND GRAY, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)
13+50.00
(A) COASTAL PLAIN: MOIST, SOFT, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)
(B) ROADWAY EMBANKMENT: MOIST, SOFT, TAN, COARSE TO FINE SANDY SILT
POST OFFICE DRIVEWAY
COASTAL PLAIN: SATURATED, MEDIUM STIFF TO STIFF, MODERATELY PLASTIC, ORANGE AND GRAY, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)
13+00.00
S-47
S-48
Y1_1250
12+50
02/20
BT
(A) COASTAL PLAIN: MOIST, SOFT, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)
(B) ROADWAY EMBANKMENT: MOIST, SOFT, TAN, COARSE TO FINE SANDY SILT
POST OFFICE DRIVEWAY
COASTAL PLAIN: SATURATED, MEDIUM STIFF TO STIFF, MODERATELY PLASTIC, ORANGE AND GRAY, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)
12+50.00
(A) ROADWAY EMBANKMENT: MOIST, SOFT, TAN, COARSE TO FINE SANDY SILT
GAS STATION DRIVEWAY
POST OFFICE DRIVEWAY
COASTAL PLAIN: MOIST TO SATURATED, SOFT TO MEDIUM STIFF, ORANGE AND GRAY, COARSE TO FINE SANDY SILT TO COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)
12+00.00
-Y1-

6/23/16

15-FEB-2021 16:00
W:\share_GEOTECHNICAL\Projects\Active Projects\20190942.024A R-5819 & R-5820 Roadway\R5819-R5820_GEO_RDWY\CADD_GEOTECH\xsc\R5819_R5820_GEO_XSI_Y1.dgn
TWells AT KA211387

150 140 130 120 110 100 90 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 90 80 70

Ⓐ **ROADWAY EMBANKMENT:**
MOIST, SOFT, TAN, COARSE TO FINE SANDY SILT

4:1 4:1 3:1

COASTAL PLAIN:
MOIST, MEDIUM STIFF TO STIFF, MODERATELY TO HIGHLY PLASTIC, BROWN, ORANGE AND GRAY, COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

15+50.00

BEGIN UNCLASSIFIED EXCAVATION - UNSUITABLE WASTE AT STA. 15+25

Ⓐ **ROADWAY EMBANKMENT:**
MOIST, SOFT, TAN, COARSE TO FINE SANDY SILT

3:1 4:1 4:1 3:1

COASTAL PLAIN:
WET, MEDIUM STIFF, ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

15+00.00

S-49
YL 1450
14+50

Ⓐ **ROADWAY EMBANKMENT:**
MOIST, SOFT, TAN, COARSE TO FINE SANDY SILT

3:1 4:1 4:1 3:1

02/20
BT

COASTAL PLAIN:
MOIST, MEDIUM STIFF, ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

61.17

14+50.00

Ⓐ **ROADWAY EMBANKMENT:**
MOIST, SOFT, TAN, COARSE TO FINE SANDY SILT

3:1 4:1 4:1 3:1

COASTAL PLAIN:
MOIST, MEDIUM STIFF, ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

14+00.00

-Y1-

150 140 130 120 110 100 90 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 80 70 50 80 70 60 50

Ⓐ ROADWAY EMBANKMENT:
MOIST,SOFT,TAN,COARSE TO FINE SANDY SILT

COASTAL PLAIN:
MOIST,MEDIUM STIFF TO STIFF,MODERATELY TO HIGHLY PLASTIC,BROWN,ORANGE AND GRAY,COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

3:1 4:1 4:1 3:1

17+23.41

Ⓐ ROADWAY EMBANKMENT:
MOIST,SOFT,TAN,COARSE TO FINE SANDY SILT

COASTAL PLAIN:
MOIST,MEDIUM STIFF TO STIFF,MODERATELY TO HIGHLY PLASTIC,BROWN,ORANGE AND GRAY,COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

3:1 4:1 4:1 3:1

17+00.00

S-50
S-51
Y1_I650
16+50

Ⓐ ROADWAY EMBANKMENT:
MOIST,SOFT,TAN,COARSE TO FINE SANDY SILT

3:1 4:1 02/20 BT 4:1 3:1

COASTAL PLAIN:
MOIST,MEDIUM STIFF TO STIFF,MODERATELY TO HIGHLY PLASTIC,BROWN,ORANGE AND GRAY,COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

16+50.00

END GRADE -Y1- STA. 16+25.00

Ⓐ ROADWAY EMBANKMENT:
MOIST,SOFT,TAN,COARSE TO FINE SANDY SILT

3:1 4:1 4:1 3:1

COASTAL PLAIN:
MOIST,MEDIUM STIFF TO STIFF,MODERATELY TO HIGHLY PLASTIC,BROWN,ORANGE AND GRAY,COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

16+25.00

Ⓐ ROADWAY EMBANKMENT:
MOIST,SOFT,TAN,COARSE TO FINE SANDY SILT

3:1 4:1 4:1 3:1

COASTAL PLAIN:
MOIST,MEDIUM STIFF TO STIFF,MODERATELY TO HIGHLY PLASTIC,BROWN,ORANGE AND GRAY,COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

16+00.00

-Y1-

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

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

90 80 70 60 50 40 30

(A) ROADWAY EMBANKMENT:
MOIST.SOFT.TAN.COARSE TO FINE SANDY SILT

3:1 4:1 4:1 3:1

COASTAL PLAIN:
MOIST.MEDIUM STIFF.TAN.COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

19+00.00

S-52
Y1_1850
18+50

(A) ROADWAY EMBANKMENT:
MOIST.SOFT.TAN.COARSE TO FINE SANDY SILT

3:1 4:1 4:1 3:1

02/20
BT

COASTAL PLAIN:
MOIST.MEDIUM STIFF.TAN.COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

18+50.00

(A) ROADWAY EMBANKMENT:
MOIST.SOFT.TAN.COARSE TO FINE SANDY SILT

3:1 4:1 4:1 3:1

COASTAL PLAIN:
MOIST.MEDIUM STIFF.TAN.COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

18+00.00

(A) ROADWAY EMBANKMENT:
MOIST.SOFT.TAN.COARSE TO FINE SANDY SILT

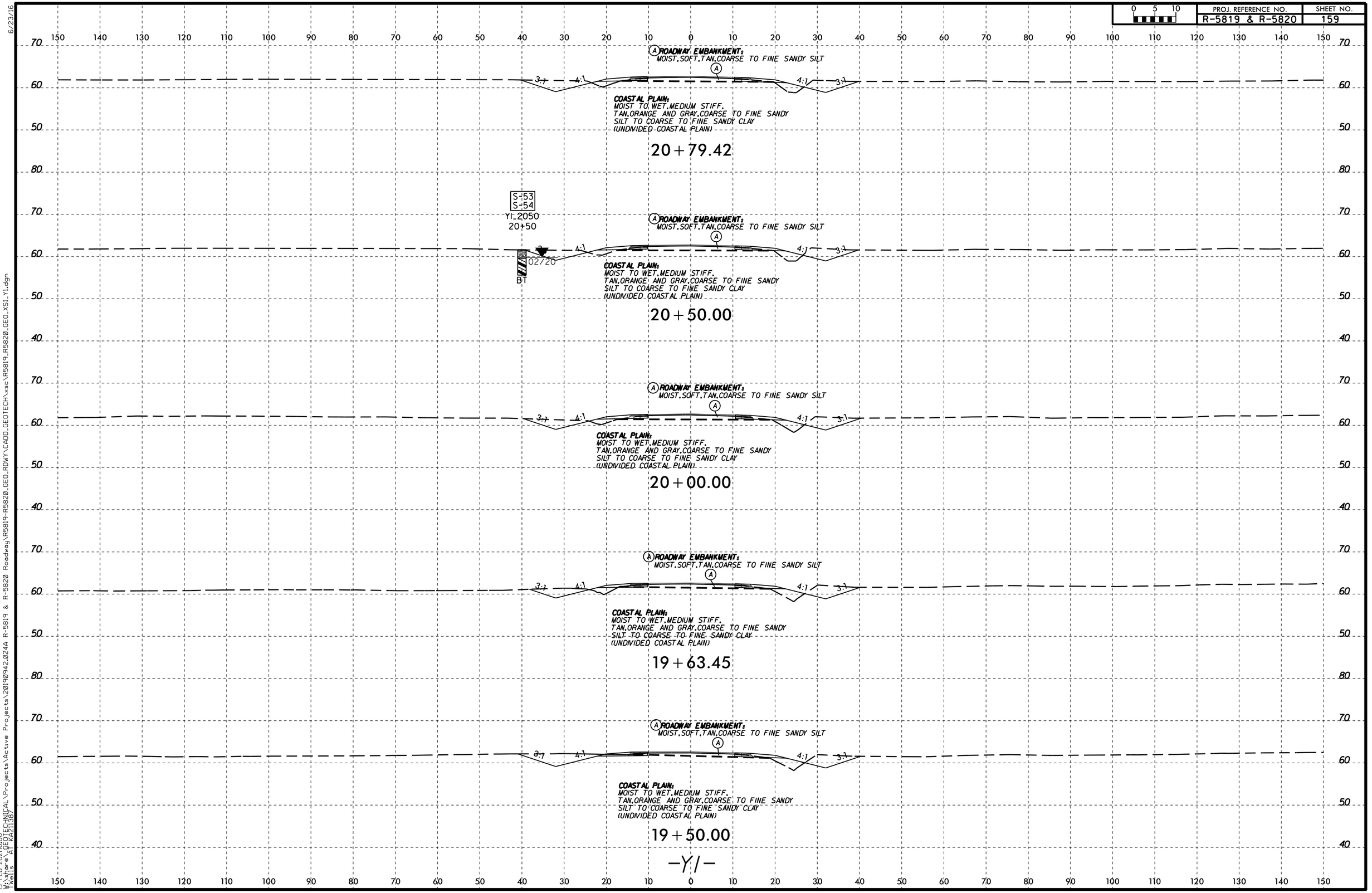
(B) COASTAL PLAIN:
MOIST.MEDIUM STIFF.TAN.COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

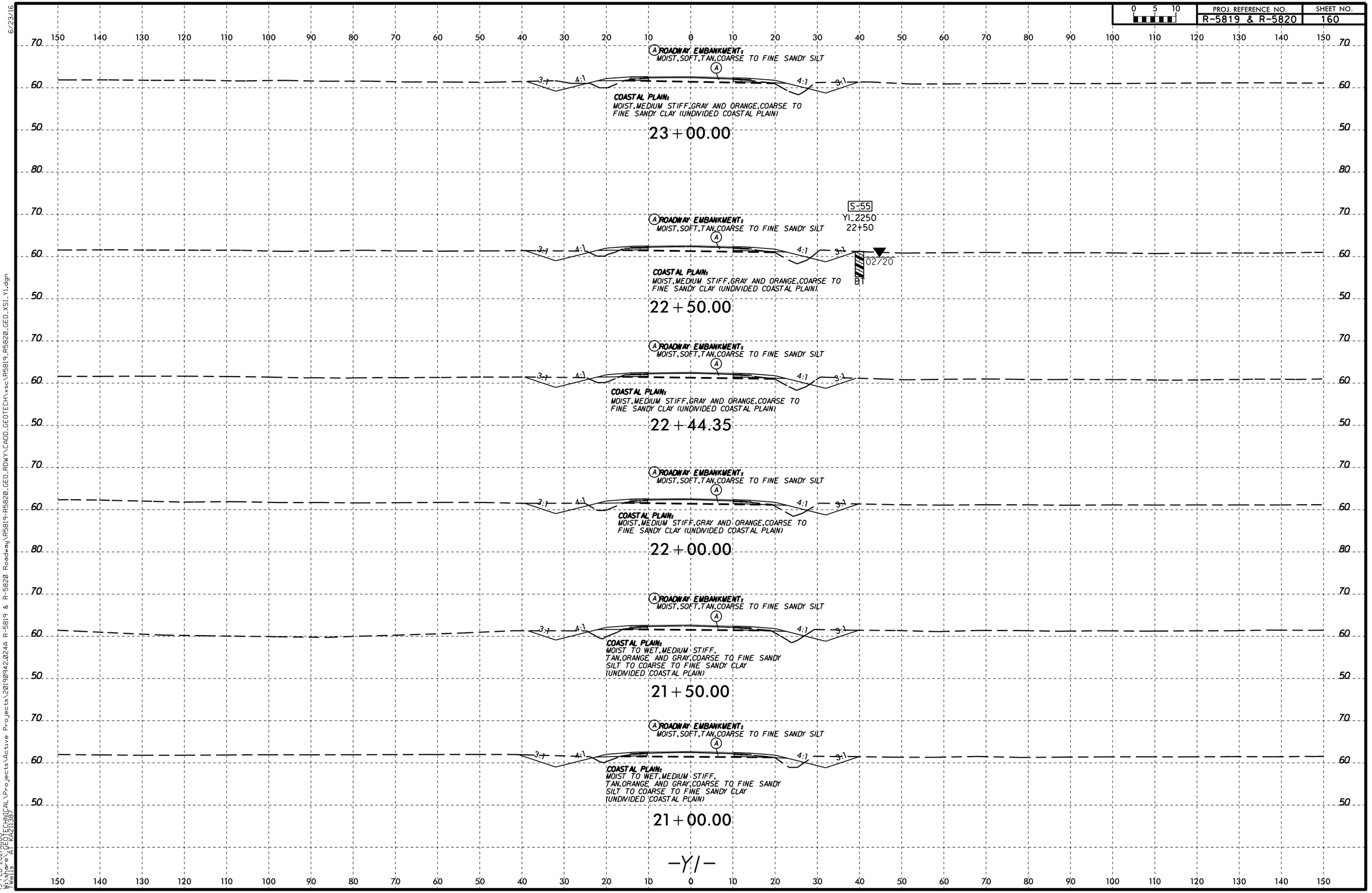
3:1 4:1 4:1 3:1

COASTAL PLAIN:
MOIST.MEDIUM STIFF TO STIFF.MODERATELY TO HIGHLY PLASTIC.BROWN.ORANGE AND GRAY.COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

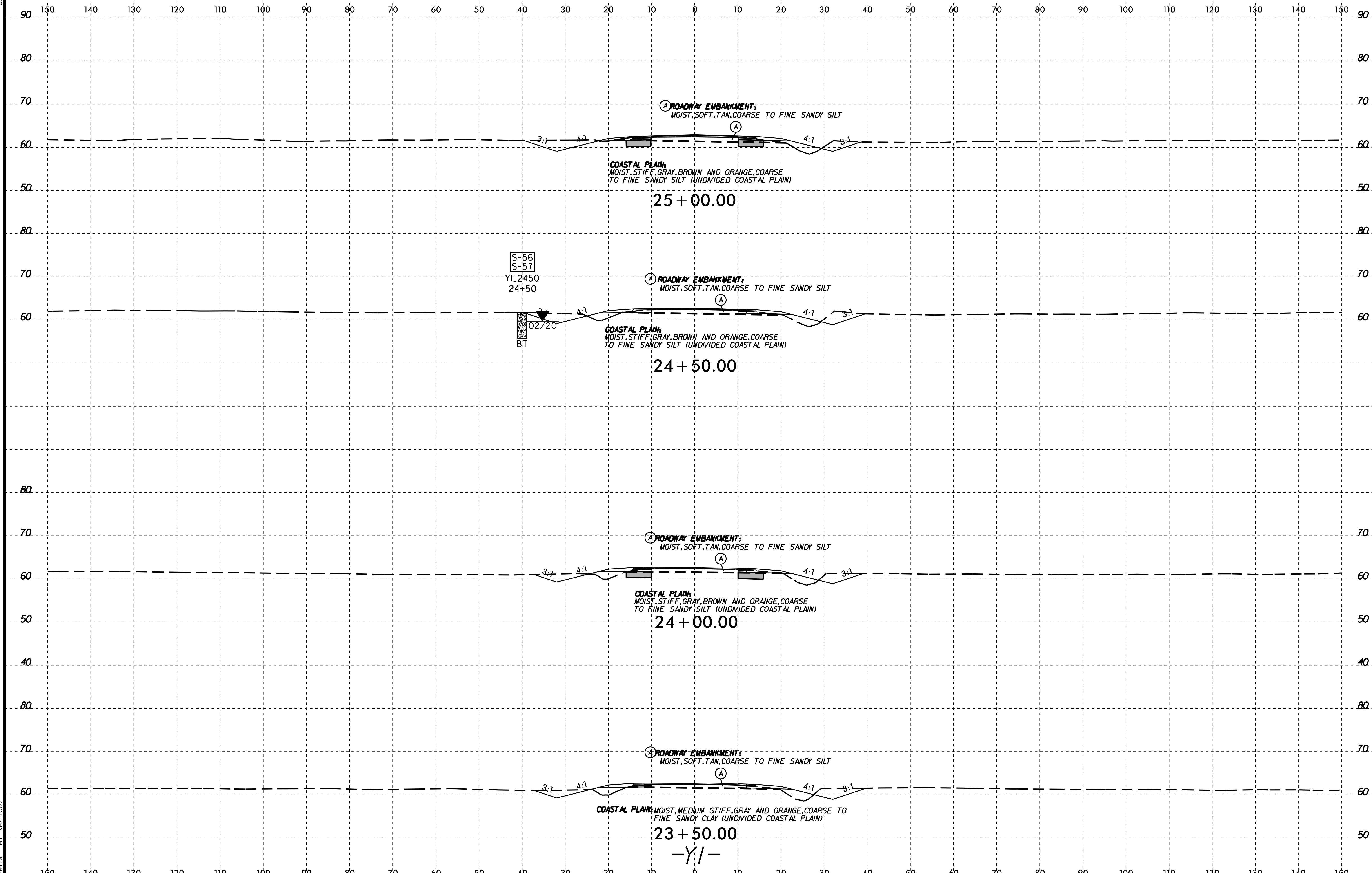
17+50.00

-Y1-





PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	161



6/23/16

15-FEB-2021 16:00
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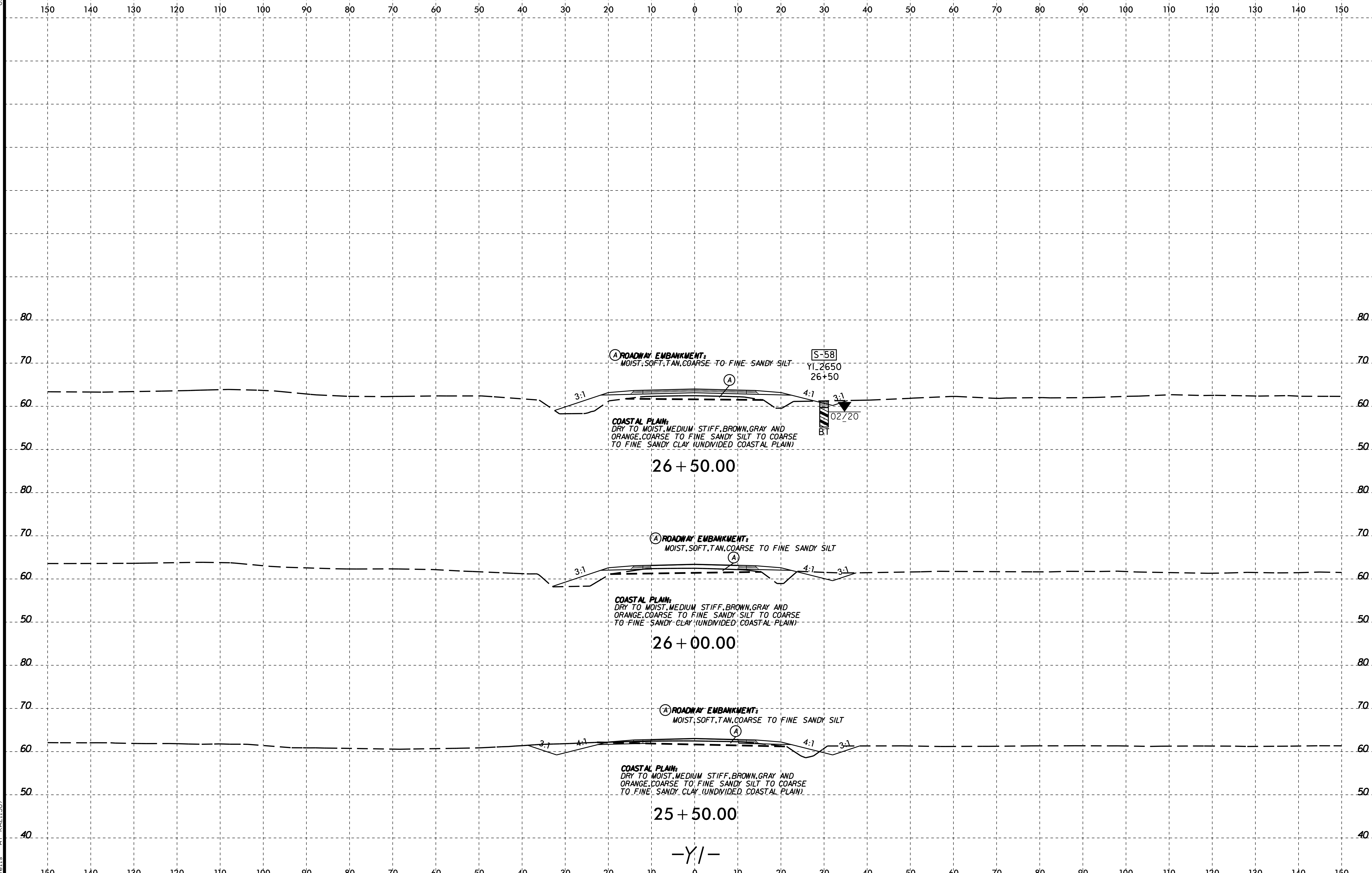
TWells AT KA211387

PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	162



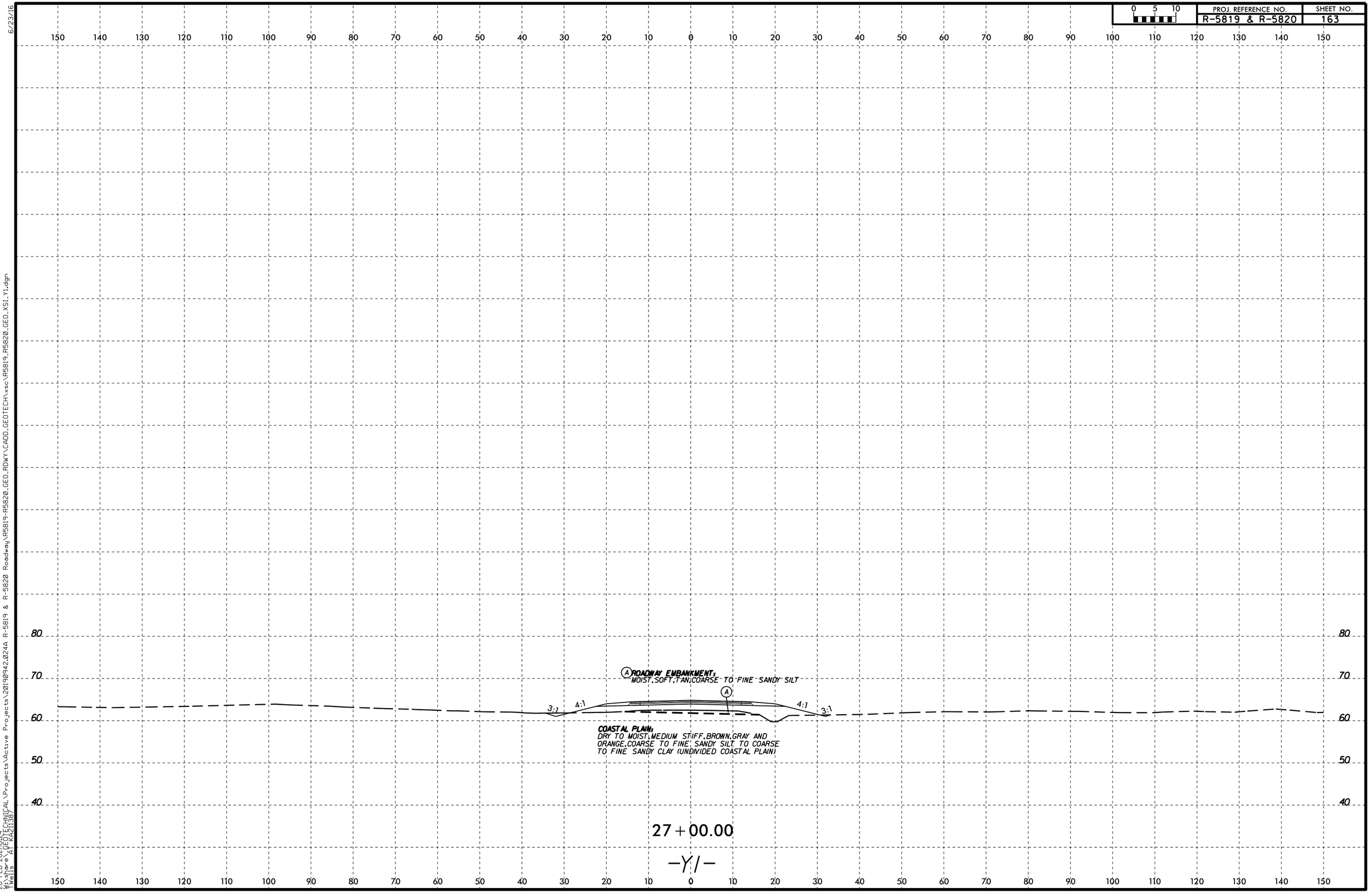
0 5 10
(A) ROADWAY EMBANKMENT:
MOIST, SOFT, TAN, COARSE TO FINE SANDY SILT
S-58
YI_2650
26+50
3:1
4:1
3:1
02/20
BT
COASTAL PLAIN:
DRY TO MOIST, MEDIUM STIFF, BROWN, GRAY AND ORANGE, COARSE TO FINE SANDY SILT TO COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)
26+50.00
(A) ROADWAY EMBANKMENT:
MOIST, SOFT, TAN, COARSE TO FINE SANDY SILT
COASTAL PLAIN:
DRY TO MOIST, MEDIUM STIFF, BROWN, GRAY AND ORANGE, COARSE TO FINE SANDY SILT TO COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)
26+00.00
(A) ROADWAY EMBANKMENT:
MOIST, SOFT, TAN, COARSE TO FINE SANDY SILT
COASTAL PLAIN:
DRY TO MOIST, MEDIUM STIFF, BROWN, GRAY AND ORANGE, COARSE TO FINE SANDY SILT TO COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)
25+50.00
-Y1-

6/23/16

20-FEB-2021 10:23
R:\...\Projects\Active Projects\2019042.0244 R-5819 & R-5820 Roadway\R5819-R5820_GEO_RDWY\CADD_GEOTECH\xsc\R5819_R5820_GEO_XSI_Y1.dgn
TWells AT KA211387

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	163



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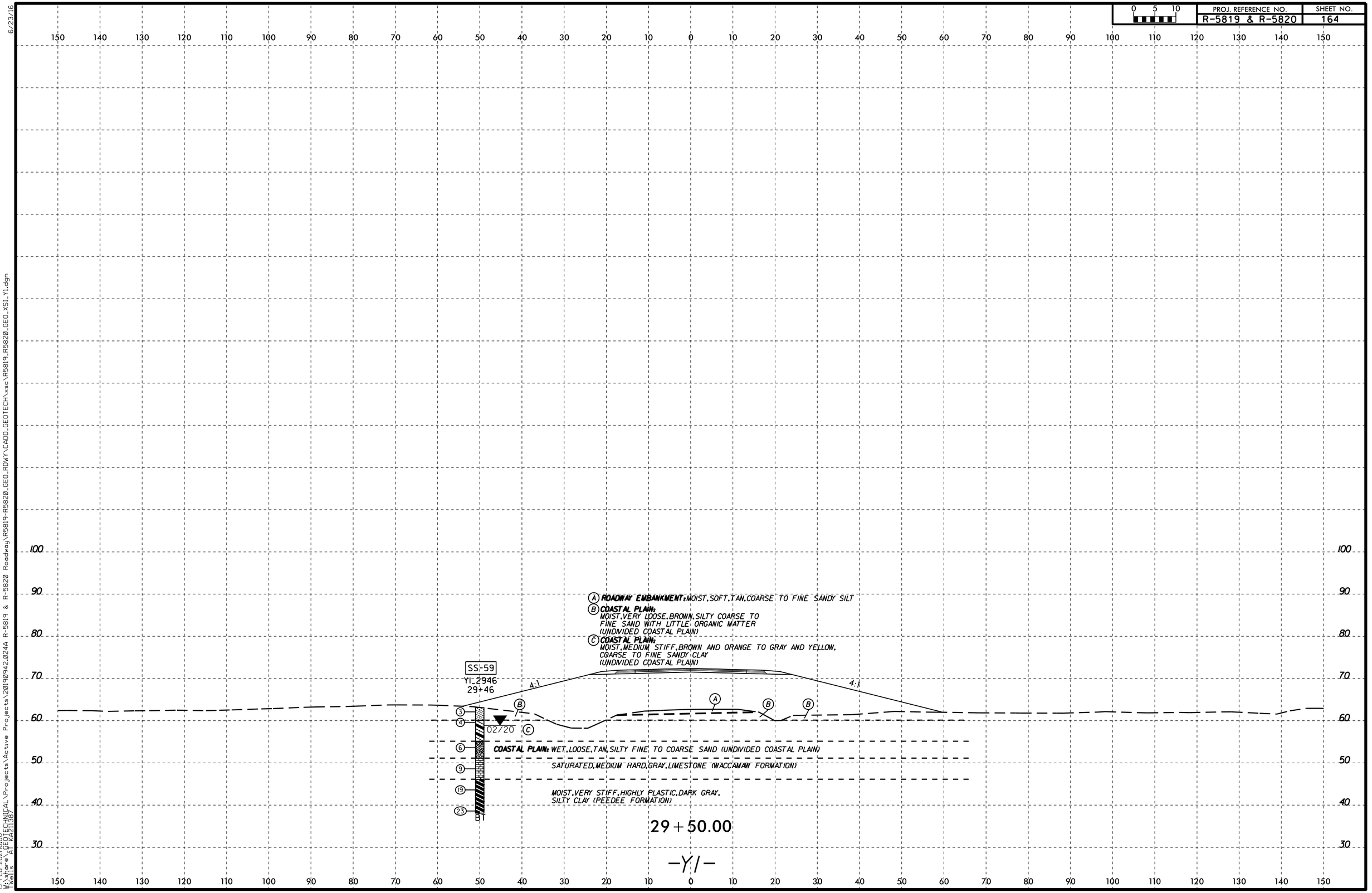
AT Wells AT KAZI136

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	164



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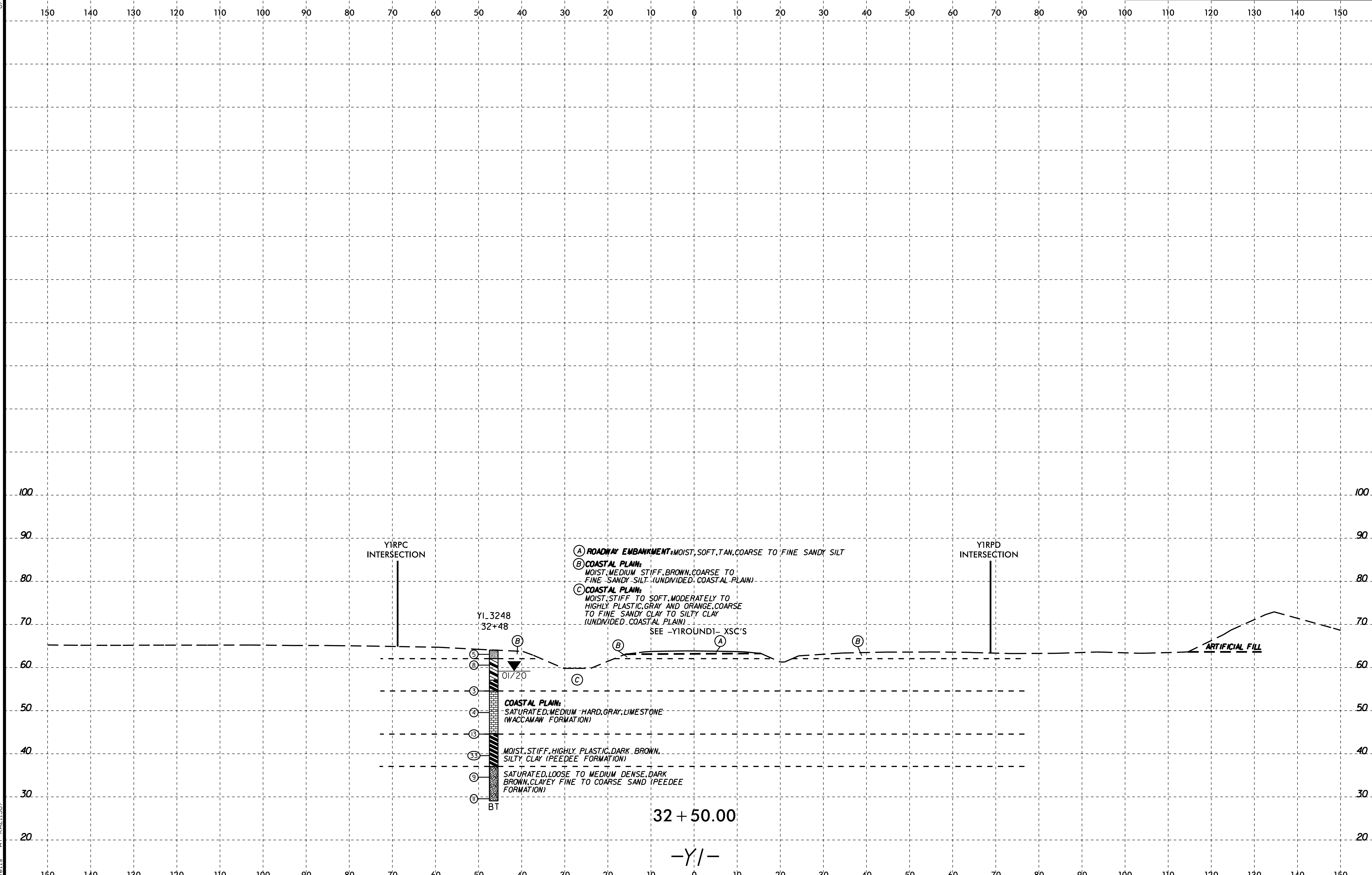
Wells AT KAZ1136

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	165



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T.Wells AT KA21138

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	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

90 80 70 60 50 40 30 20

4:1

4:1

(A) ROADWAY EMBANKMENT:
MOIST, SOFT, TAN, COARSE TO FINE SANDY SILT

(B) COASTAL PLAIN:
MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY SILT WITH TRACE OF ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

SS-60
YI_3489
34+89

COASTAL PLAIN:
MOIST, MEDIUM STIFF TO STIFF, MODERATELY TO HIGHLY PLASTIC, ORANGE, RED AND GRAY, COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

02/20

SATURATED, MEDIUM HARD, DARK GRAY, LIMESTONE (WACCAMAW FORMATION)

SATURATED, LOOSE TO DENSE, MODEREATELY PLASTIC, DARK BROWN, CLAYEY COARSE TO FINE SAND (PEEDEE FORMATION)

4 9 7 5 14 5 48 30

BT

35+00.00

-Y1-

150 140 130 120 110 100 90 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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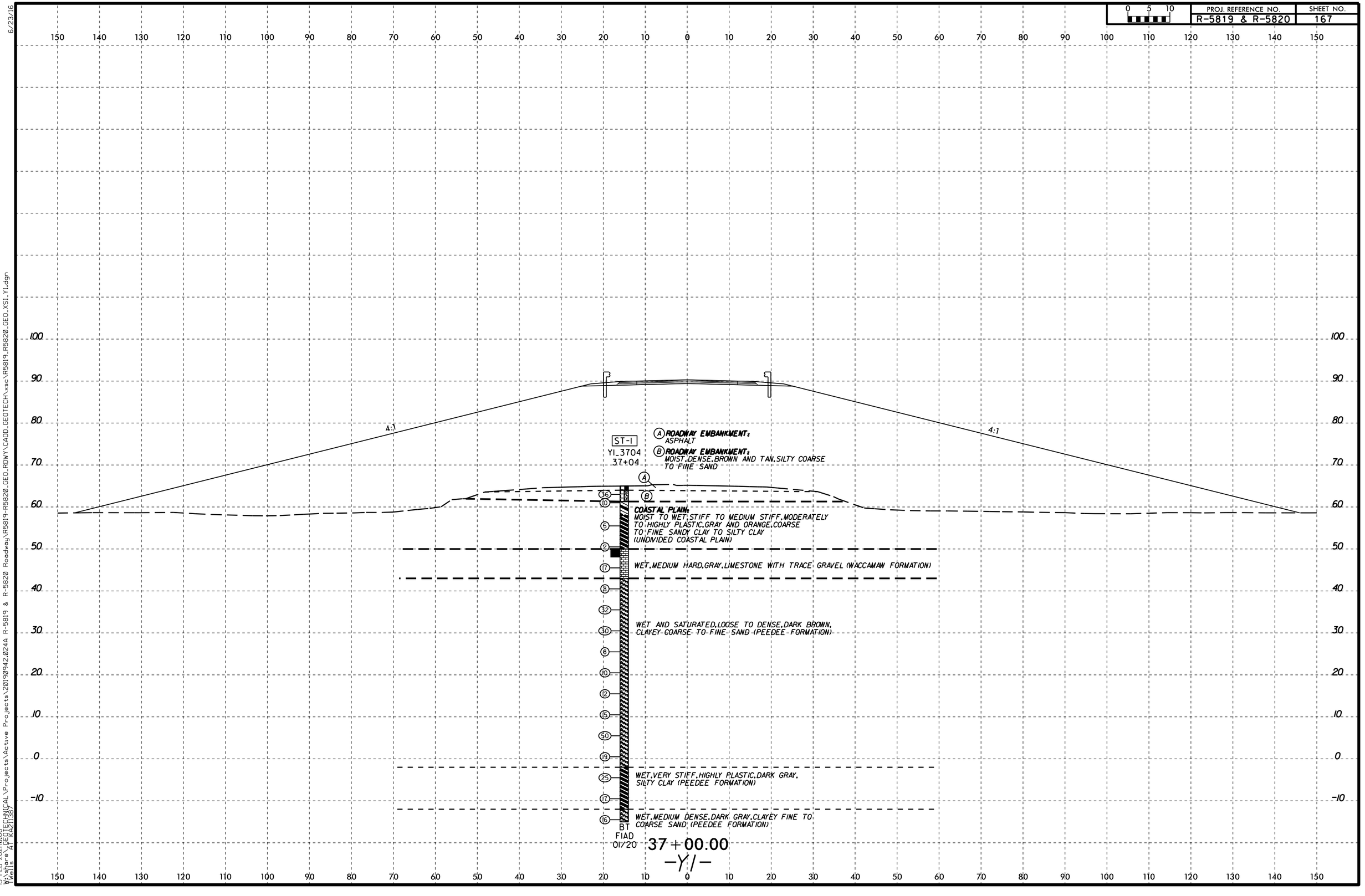
Wells AT KAZI136

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	167



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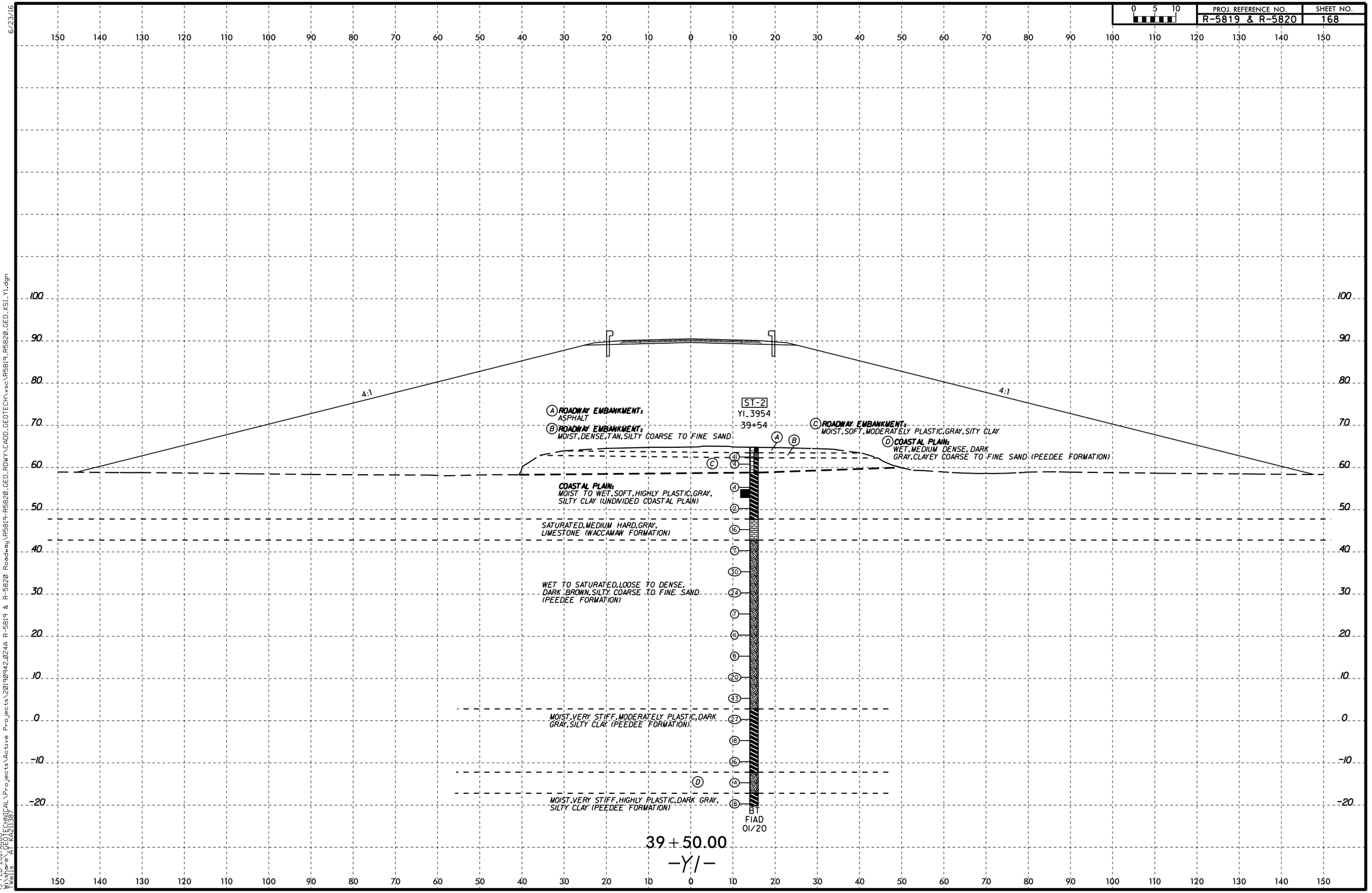
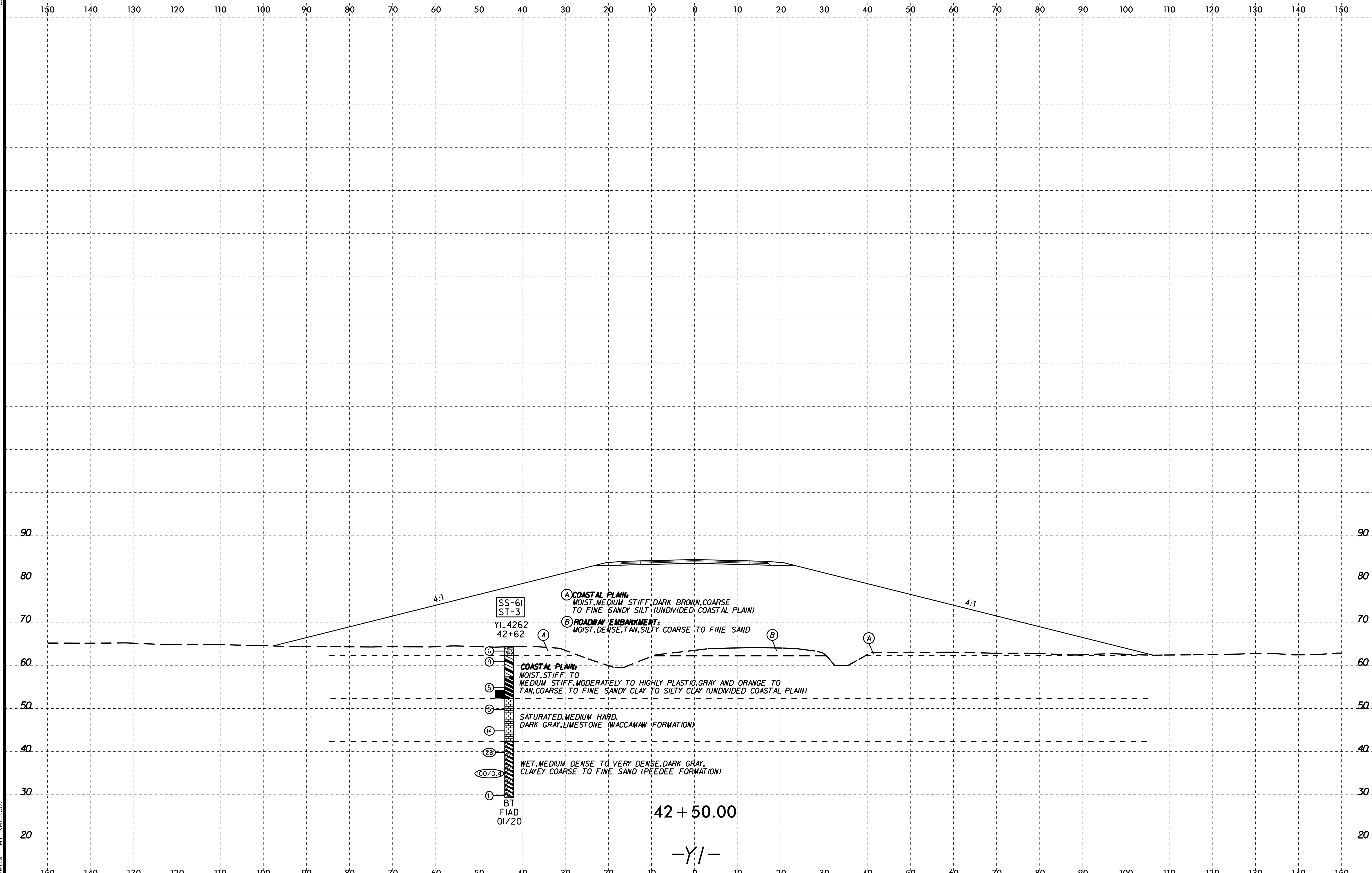
Wells AT KAZ1387

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	168



0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	169



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T.Wells AT KA211387

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	170

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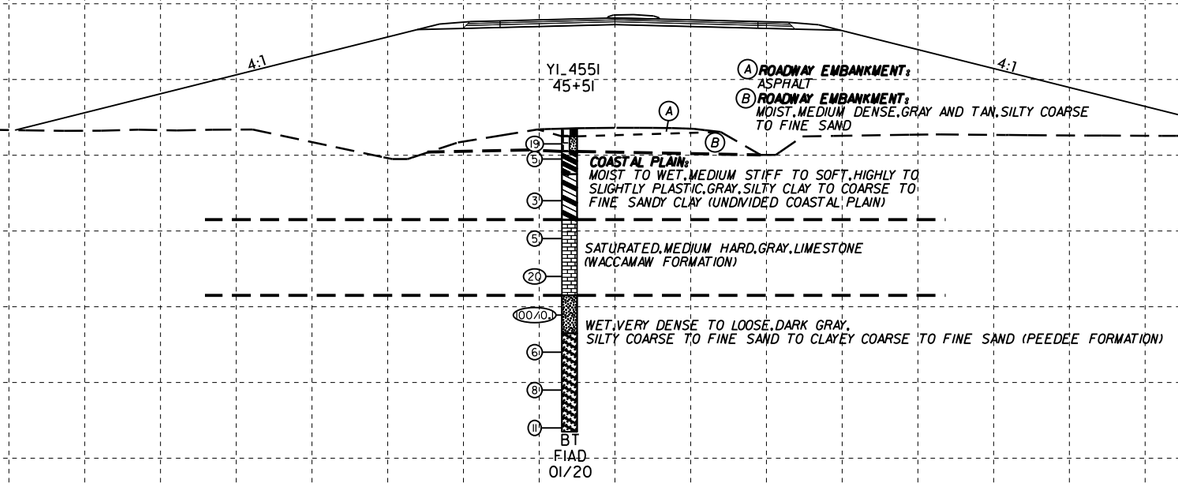


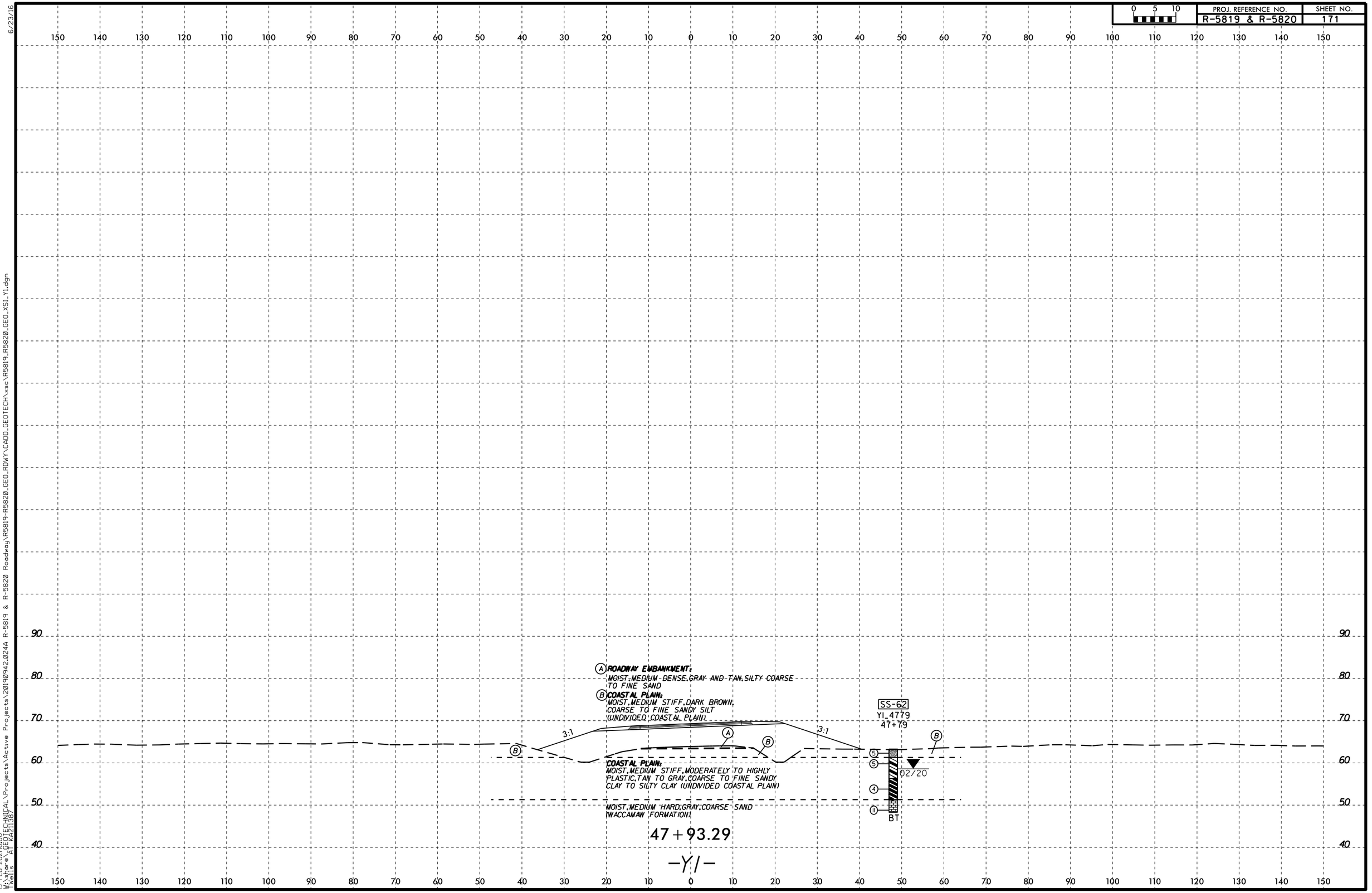
80 70 60 50 40 30 20

45+50.00

-Y1-

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

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	171



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15-FEB-2021|6:00
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Wells AT KAZI136

150 140 130 120 110 100 90 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:** MOIST, MEDIUM DENSE, GRAY AND TAN, SILTY COARSE TO FINE SAND

3:1 4:1 4:1 3:1

COASTAL PLAIN: MOIST, MEDIUM STIFF TO STIFF, MODERATELY PLASTIC, GRAY AND ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

50+00.00

80 70 60 50

S-63
YI_4950
49+50

Ⓐ **ARTIFICIAL FILL:** GRAVEL

Ⓑ **ROADWAY EMBANKMENT:** MOIST, MEDIUM DENSE, GRAY AND TAN, SILTY COARSE TO FINE SAND

3:1 4:1 3:1

01-20

B1

COASTAL PLAIN: MOIST, MEDIUM STIFF TO STIFF, MODERATELY PLASTIC, GRAY AND ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

49+50.00

90 80 70 60 50

Ⓐ **ARTIFICIAL FILL:** GRAVEL

Ⓑ **ROADWAY EMBANKMENT:** MOIST, MEDIUM DENSE, GRAY AND TAN, SILTY COARSE TO FINE SAND

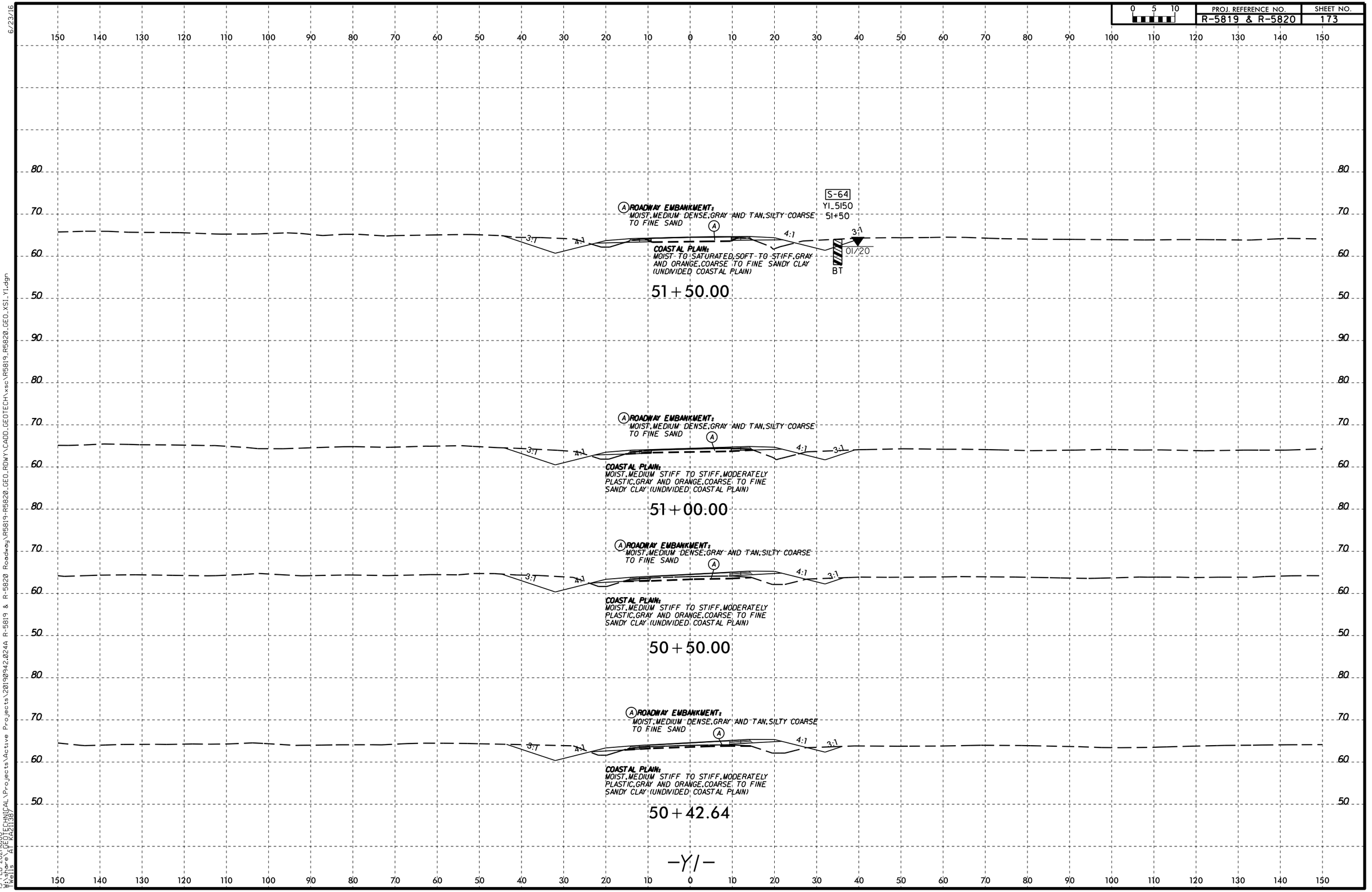
3:1 4:1 3:1

COASTAL PLAIN: MOIST, MEDIUM STIFF TO STIFF, MODERATELY PLASTIC, GRAY AND ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

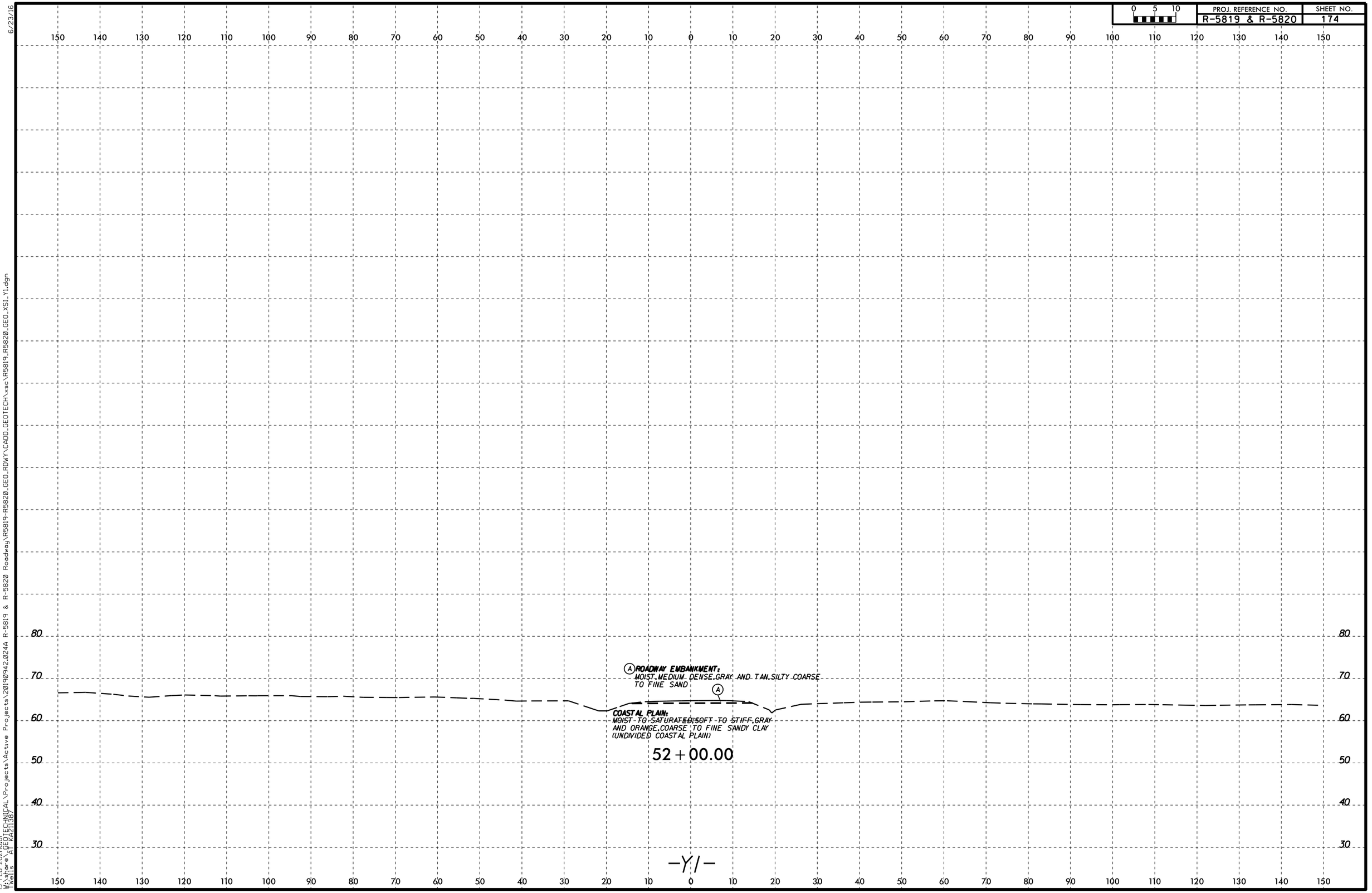
49+00.00

-Y1-

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



0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	174



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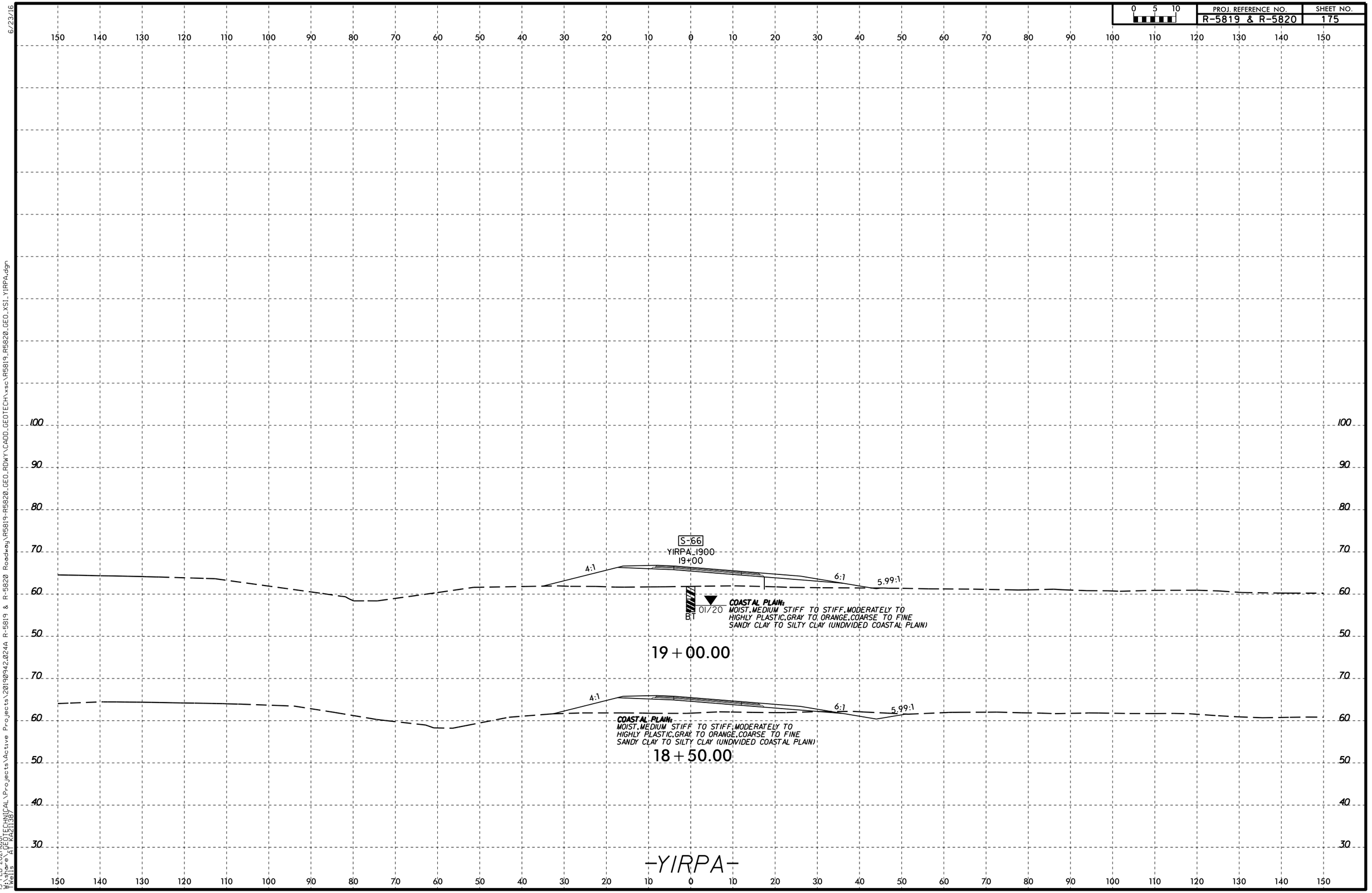
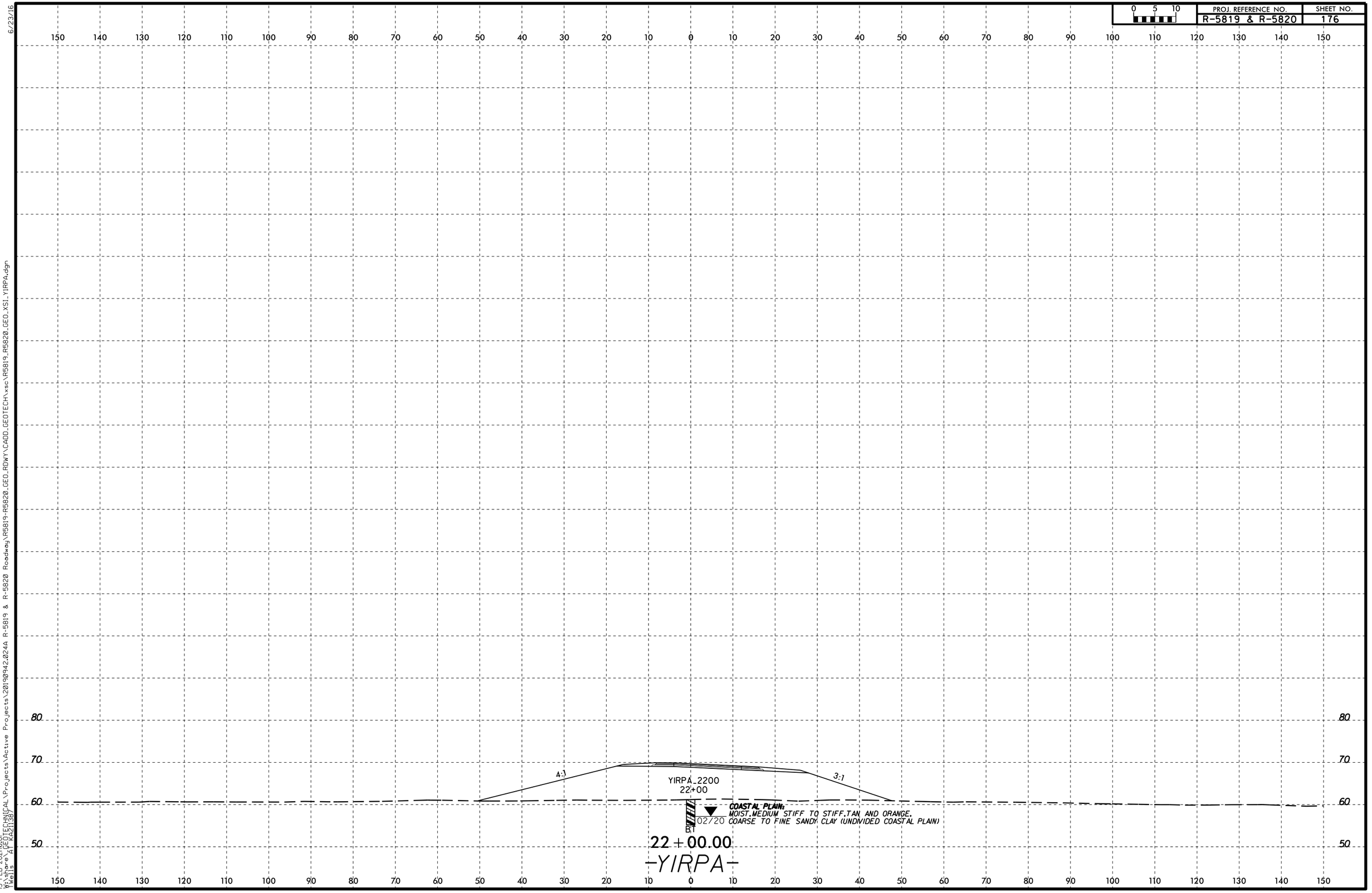
AT Wells AT KAZ1136



0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	176



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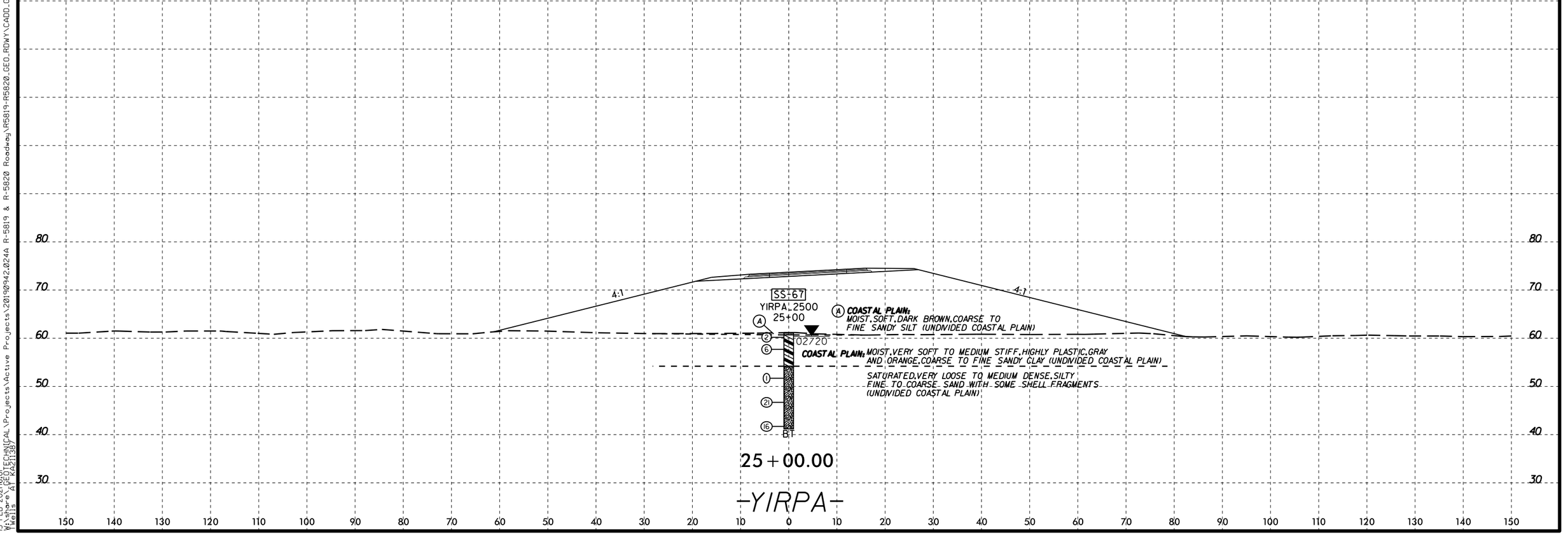
AT Wells AT KAZ1136

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	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



150 140 130 120 110 100 90 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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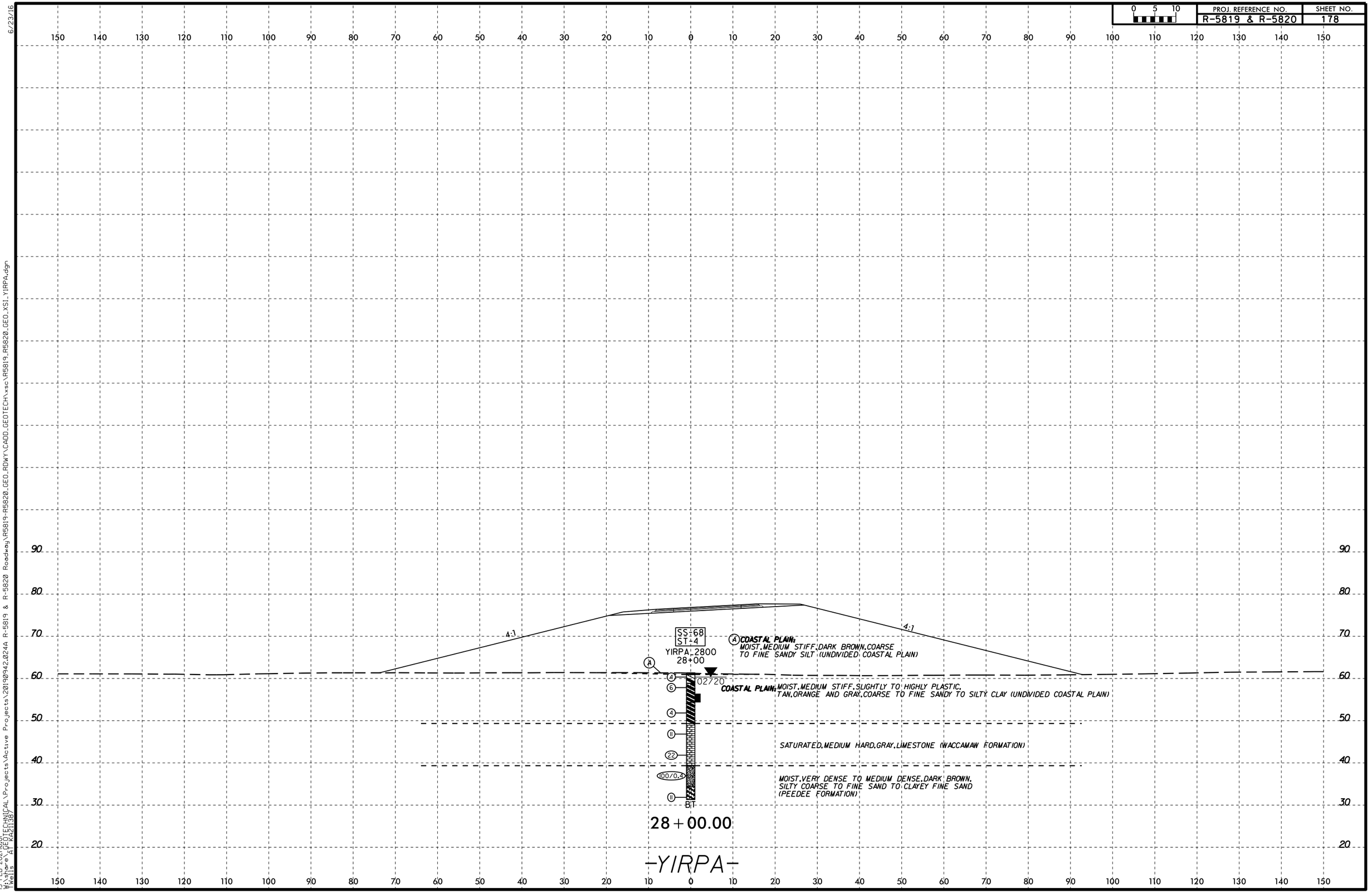
AT Wells AT KAZI136

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	178



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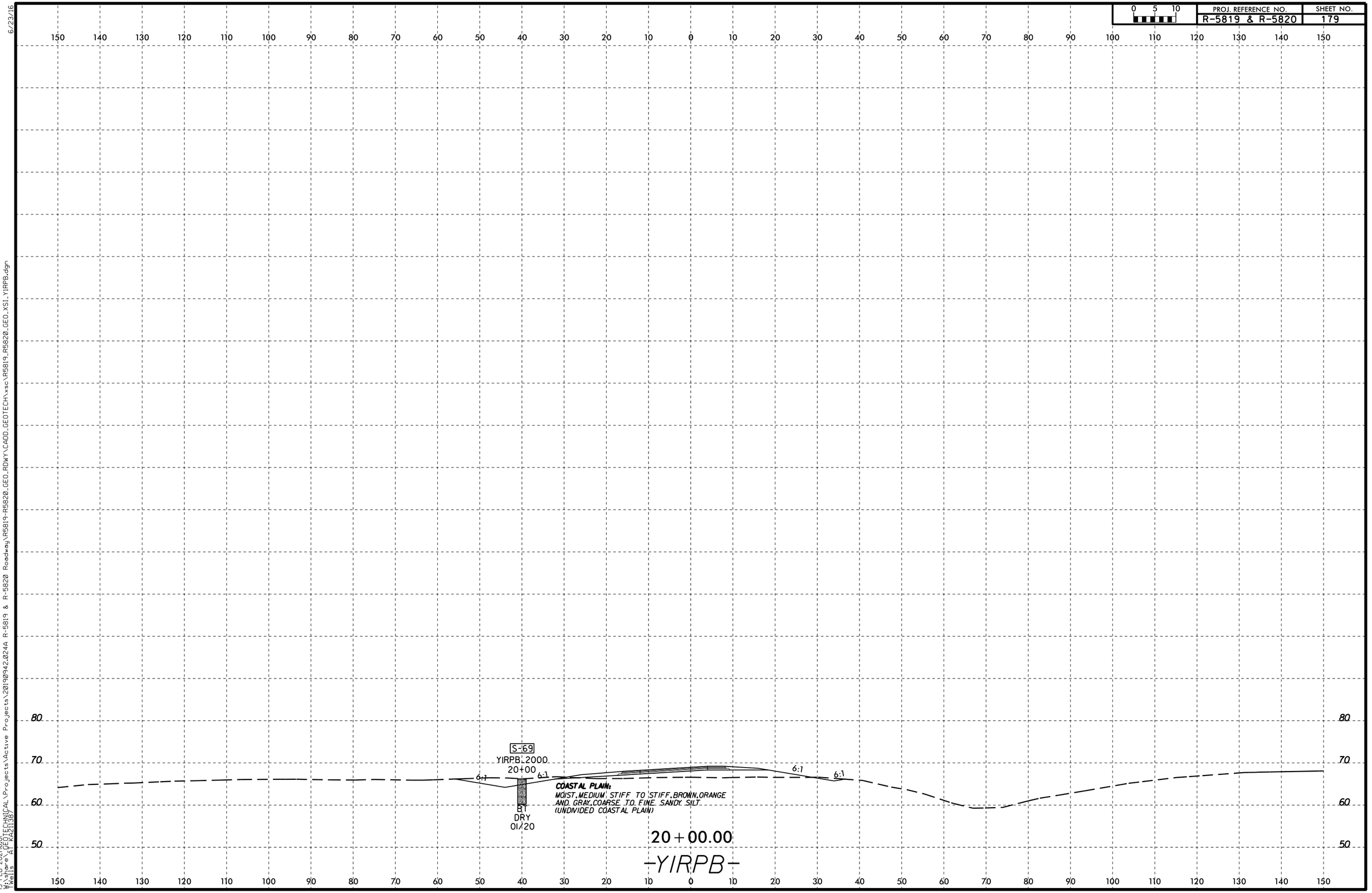
AT Wells
AT KAZI136

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	179



6/23/16

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Wells AT KAZ1136

150 140 130 120 110 100 90 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

24+00.00

Ⓐ **COASTAL PLAIN:** MOIST,SOFT,DARK BROWN,COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

3:1 4:1

COASTAL PLAIN: MOIST,VERY SOFT TO STIFF,MODERATELY TO HIGHLY PLASTIC,YELLOW TO GRAY AND ORANGE,COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

23+50.00

Ⓐ **COASTAL PLAIN:** MOIST,SOFT,DARK BROWN,COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

3:1 4:1

COASTAL PLAIN: MOIST,VERY SOFT TO STIFF,MODERATELY TO HIGHLY PLASTIC,YELLOW TO GRAY AND ORANGE,COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

23+00.00

Ⓐ **COASTAL PLAIN:** MOIST,SOFT,DARK BROWN,COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

3:1 4:1

COASTAL PLAIN: MOIST,VERY SOFT TO STIFF,MODERATELY TO HIGHLY PLASTIC,YELLOW TO GRAY AND ORANGE,COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

22+50.00

Ⓐ **COASTAL PLAIN:** MOIST,SOFT,DARK BROWN,COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

6:1 6:1 4:1

COASTAL PLAIN: MOIST,VERY SOFT TO STIFF,MODERATELY TO HIGHLY PLASTIC,YELLOW TO GRAY AND ORANGE,COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

22+39.72

YIRPB 2200
22+00

6:1 6:1 4:1

COASTAL PLAIN: DRY,MEDIUM STIFF,TAN AND ORANGE,COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

BT
DRY
01/20

22+00.00

-YIRPB-

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	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

Ⓐ **COASTAL PLAIN:**
MOIST.SOFT.DARK BROWN.COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

3:1 4:1

COASTAL PLAIN:
MOIST.VERY SOFT TO STIFF.MODERATELY TO HIGHLY PLASTIC.YELLOW TO GRAY AND ORANGE.COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

26+00.00

80
70
60

Ⓐ **COASTAL PLAIN:**
MOIST.SOFT.DARK BROWN.COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

3:1 4:1 Ⓐ

COASTAL PLAIN:
MOIST.VERY SOFT TO STIFF.MODERATELY TO HIGHLY PLASTIC.YELLOW TO GRAY AND ORANGE.COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

25+50.00

100
90
80
70
60

Ⓐ **COASTAL PLAIN:**
MOIST.SOFT.DARK BROWN.COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

SS-70
YIRPB 2500
25+00

3:1 4:1 Ⓐ

COASTAL PLAIN:
MOIST.VERY SOFT TO STIFF.MODERATELY TO HIGHLY PLASTIC.YELLOW TO GRAY AND ORANGE.COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

3
11
9
2
02/20
BT

25+00.00

80
70
60
50

Ⓐ **COASTAL PLAIN:**
MOIST.SOFT.DARK BROWN.COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

3:1 4:1 Ⓐ

COASTAL PLAIN:
MOIST.VERY SOFT TO STIFF.MODERATELY TO HIGHLY PLASTIC.YELLOW TO GRAY AND ORANGE.COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

24+50.00
-YIRPB-

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

6/23/16

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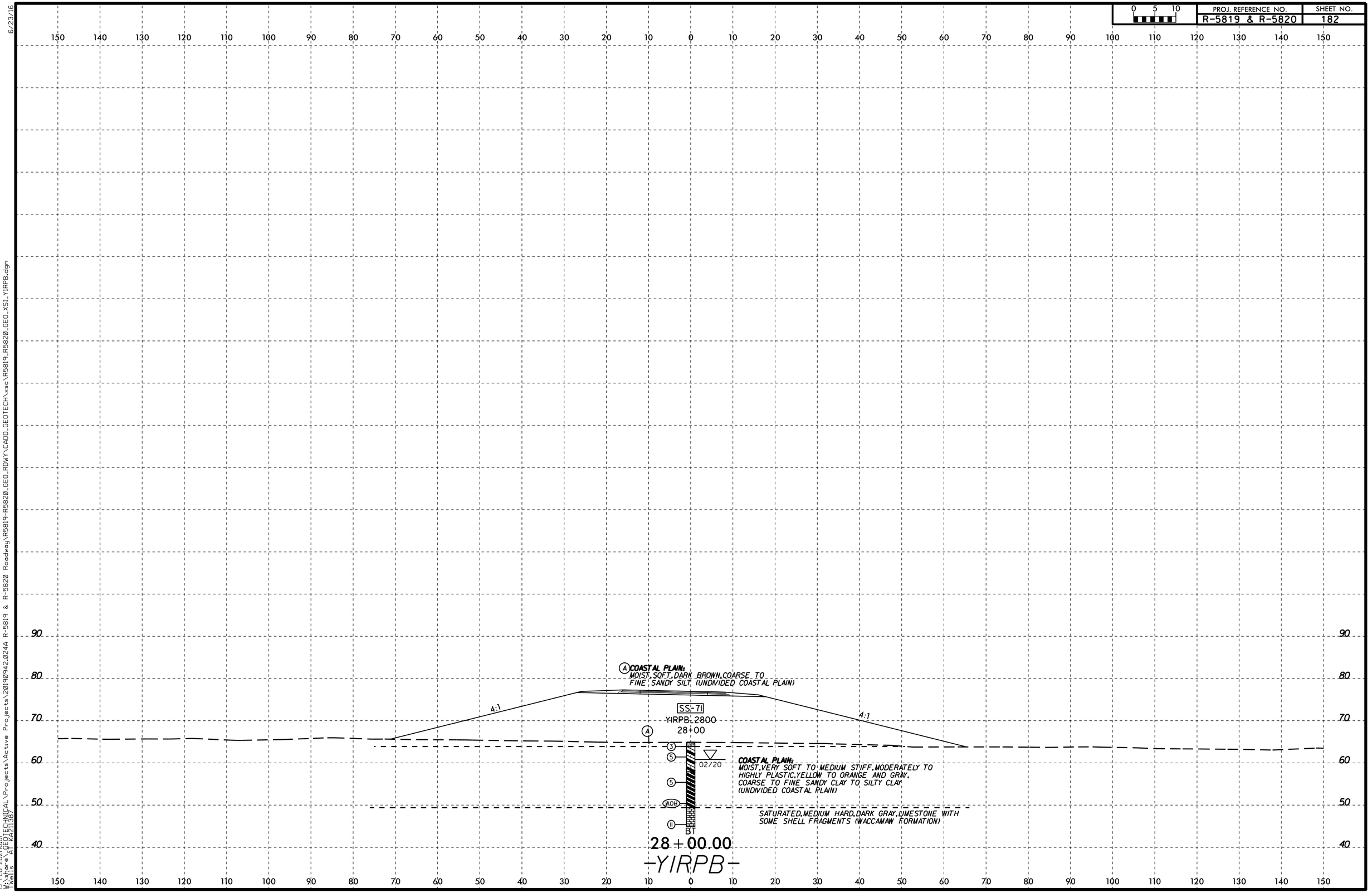
Wells AT KA21138

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	182



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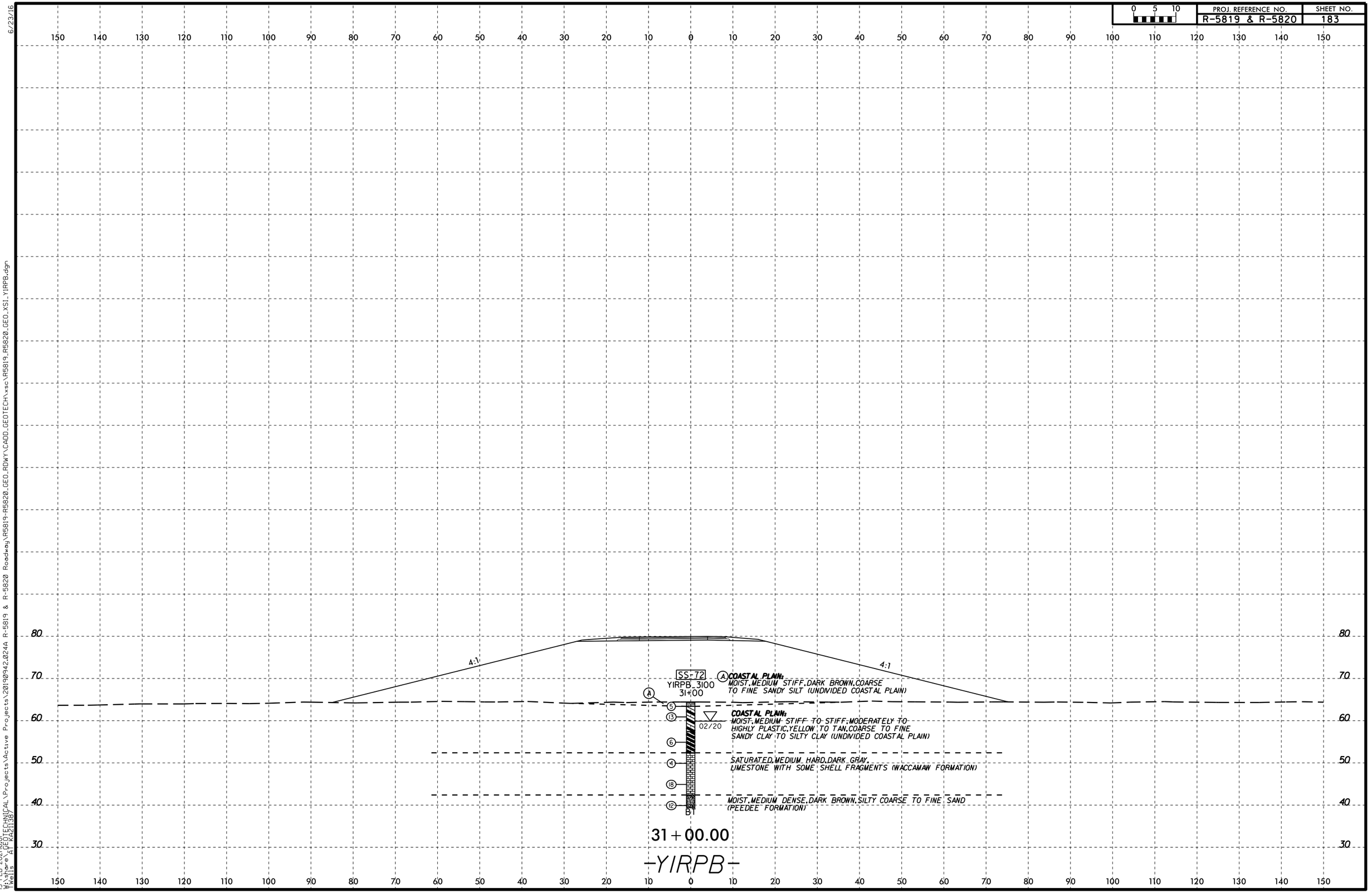
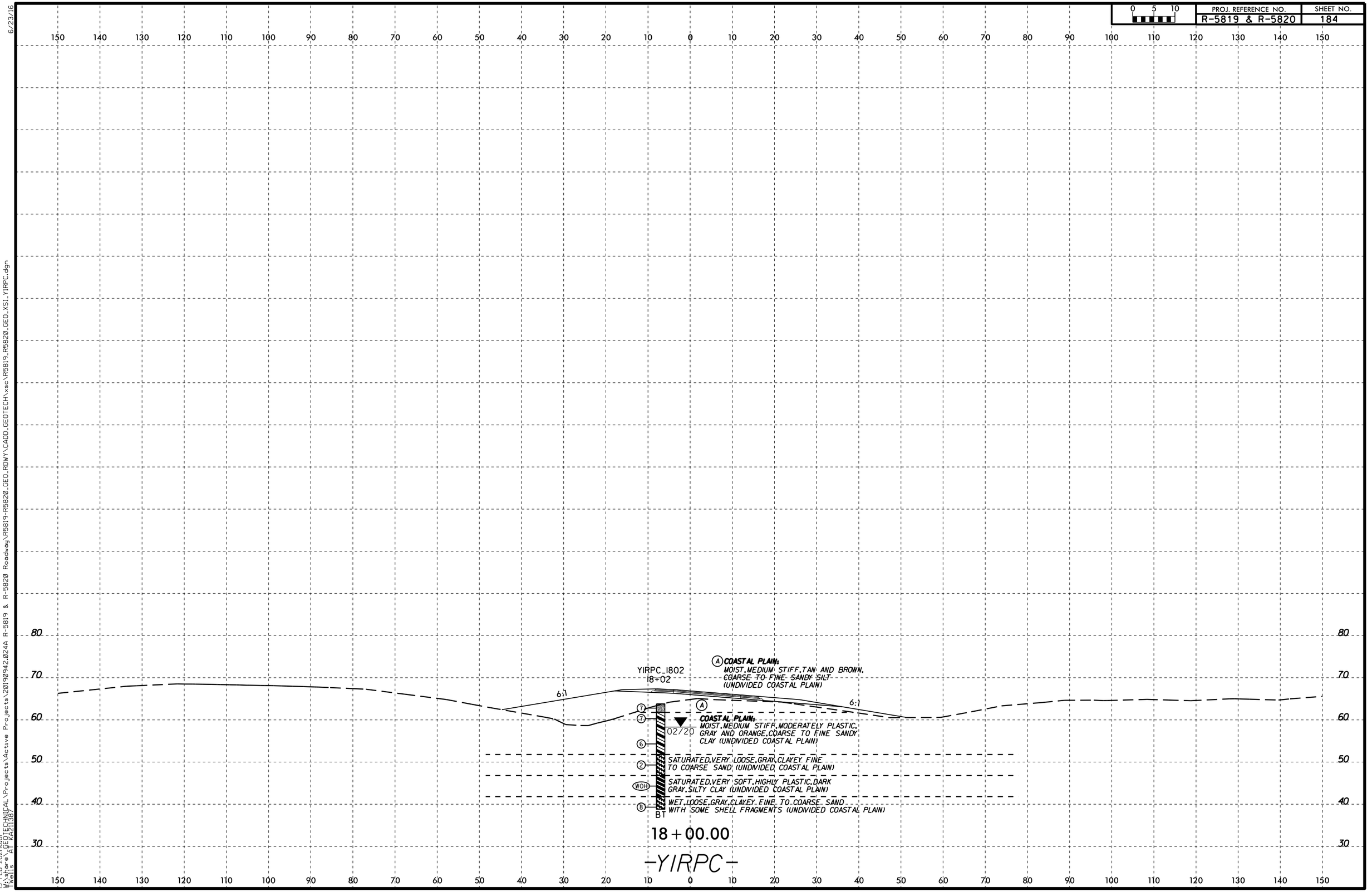
Wells, AT KAZ1136

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	183



0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	184



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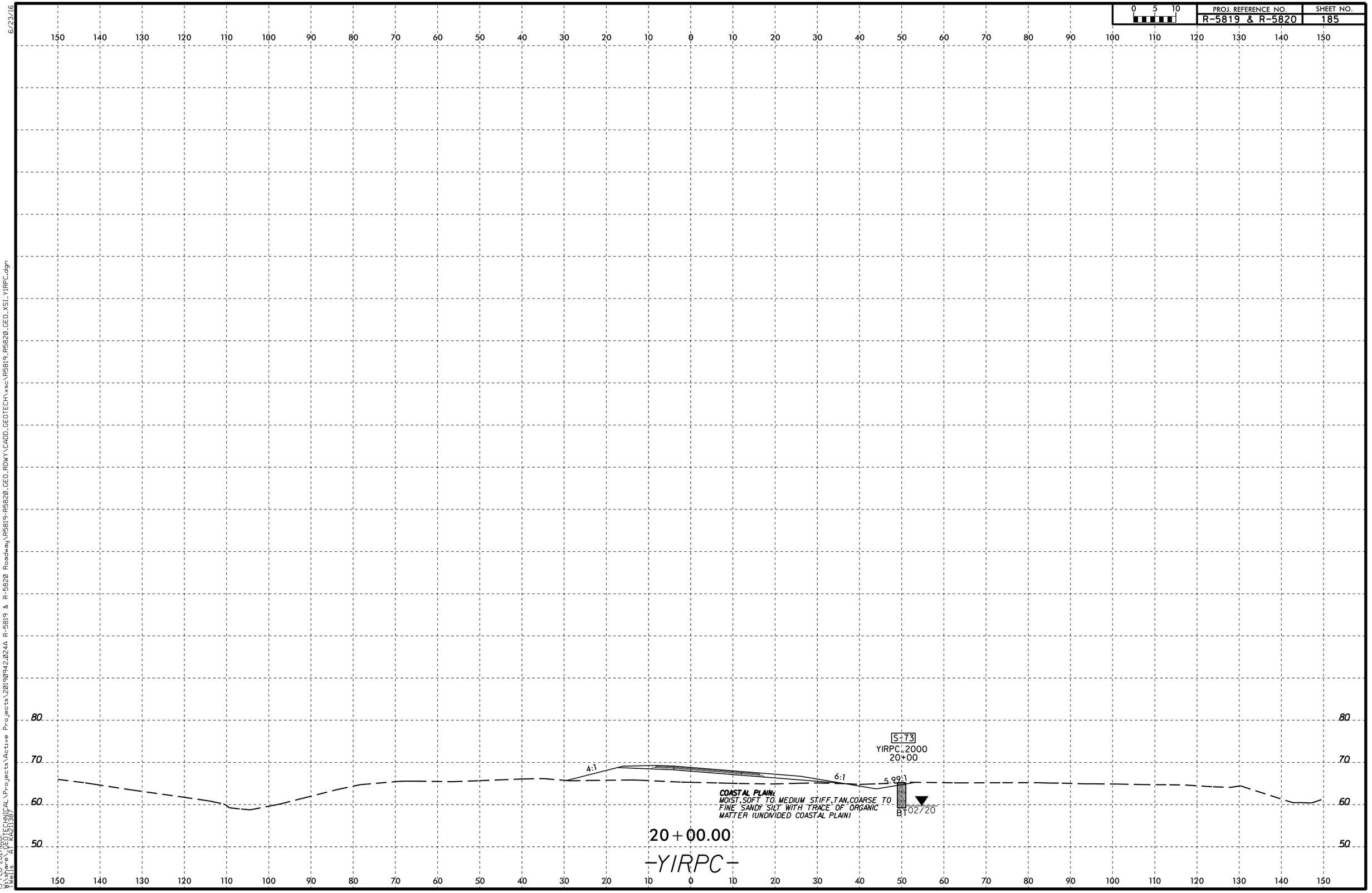
AT Wells AT KAZI136

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	185



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AT Wells

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	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

80
70
60
50

SS-74
YIRPC: 2200
22+00

4:1

3:1

10
22
9
BT

COASTAL PLAIN: MOIST, STIFF TO VERY STIFF, DARK BROWN TO WHITE AND ORANGE COARSE TO FINE SANDY SILTY TO COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

MOIST, STIFF, HIGHLY PLASTIC, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

22+00.00
-YIRPC-

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

15-FEB-2021 16:01
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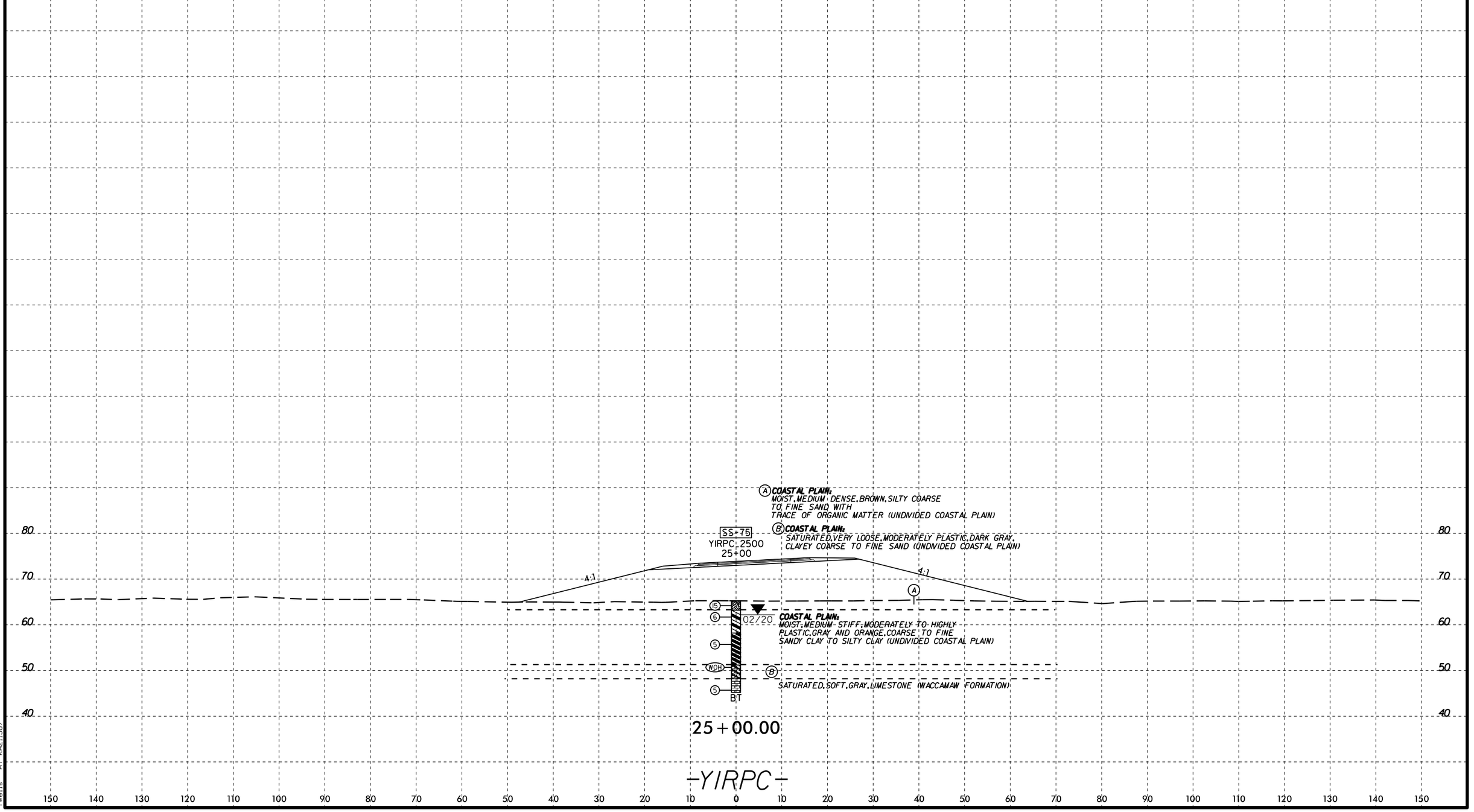
Wells AT KAZ1136

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	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



25+00.00

-YIRPC-

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

15-FEB-2021 16:01
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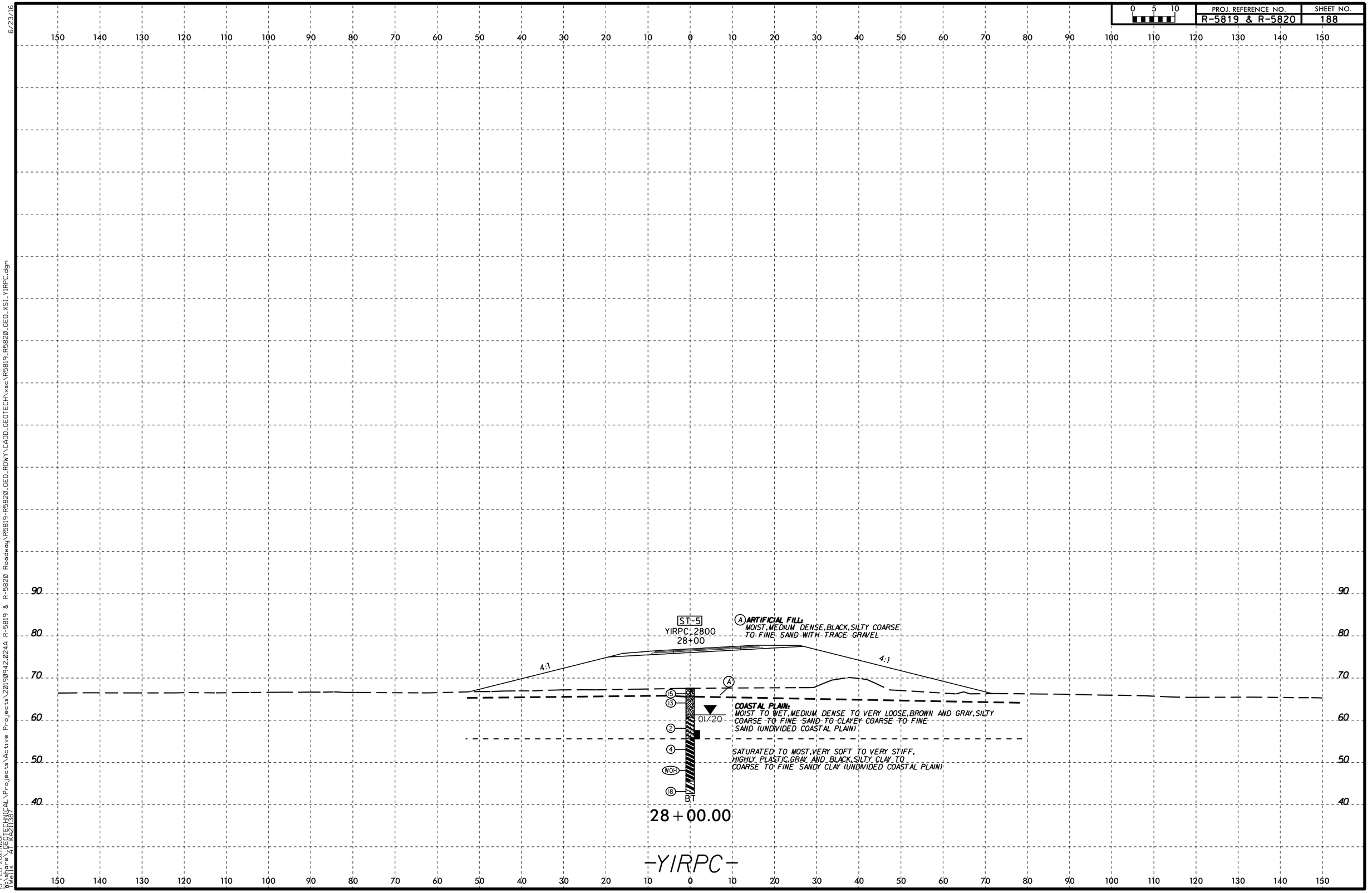
AT Wells
AT KAZI136

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	188



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AT Wells AT KAZ1138

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

Ⓐ **COASTAL PLAIN:** MOIST, MEDIUM STIFF, TAN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

5.98:1 6:1 Ⓐ 4:1

COASTAL PLAIN: MOIST, MEDIUM STIFF, HIGHLY PLASTIC, ORANGE, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

21+00.00

S-76
S-77
YIRPD_2040
20+40
02/20
BT

Ⓐ **COASTAL PLAIN:** MOIST, MEDIUM STIFF, TAN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

5.99:1 6:1 Ⓐ 6:1 6:1

COASTAL PLAIN: MOIST, MEDIUM STIFF, HIGHLY PLASTIC, ORANGE, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

20+50.00

Ⓐ **COASTAL PLAIN:** MOIST, MEDIUM STIFF, TAN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

5.99:1 6:1 Ⓐ 6:1 5.96:1

COASTAL PLAIN: MOIST, MEDIUM STIFF, HIGHLY PLASTIC, ORANGE, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

20+00.00

Ⓐ **COASTAL PLAIN:** MOIST, MEDIUM STIFF, TAN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

5.90:1 6:1 Ⓐ 6:1 5.98:1

COASTAL PLAIN: MOIST, MEDIUM STIFF, HIGHLY PLASTIC, ORANGE, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

19+77.74

Ⓐ **COASTAL PLAIN:** MOIST, MEDIUM STIFF, TAN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

5.90:1 6:1 Ⓐ 6:1 5.98:1

COASTAL PLAIN: MOIST, MEDIUM STIFF, HIGHLY PLASTIC, ORANGE, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

19+50.00

-YIRPD-

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

6/23/16

15-FEB-2021 [01]
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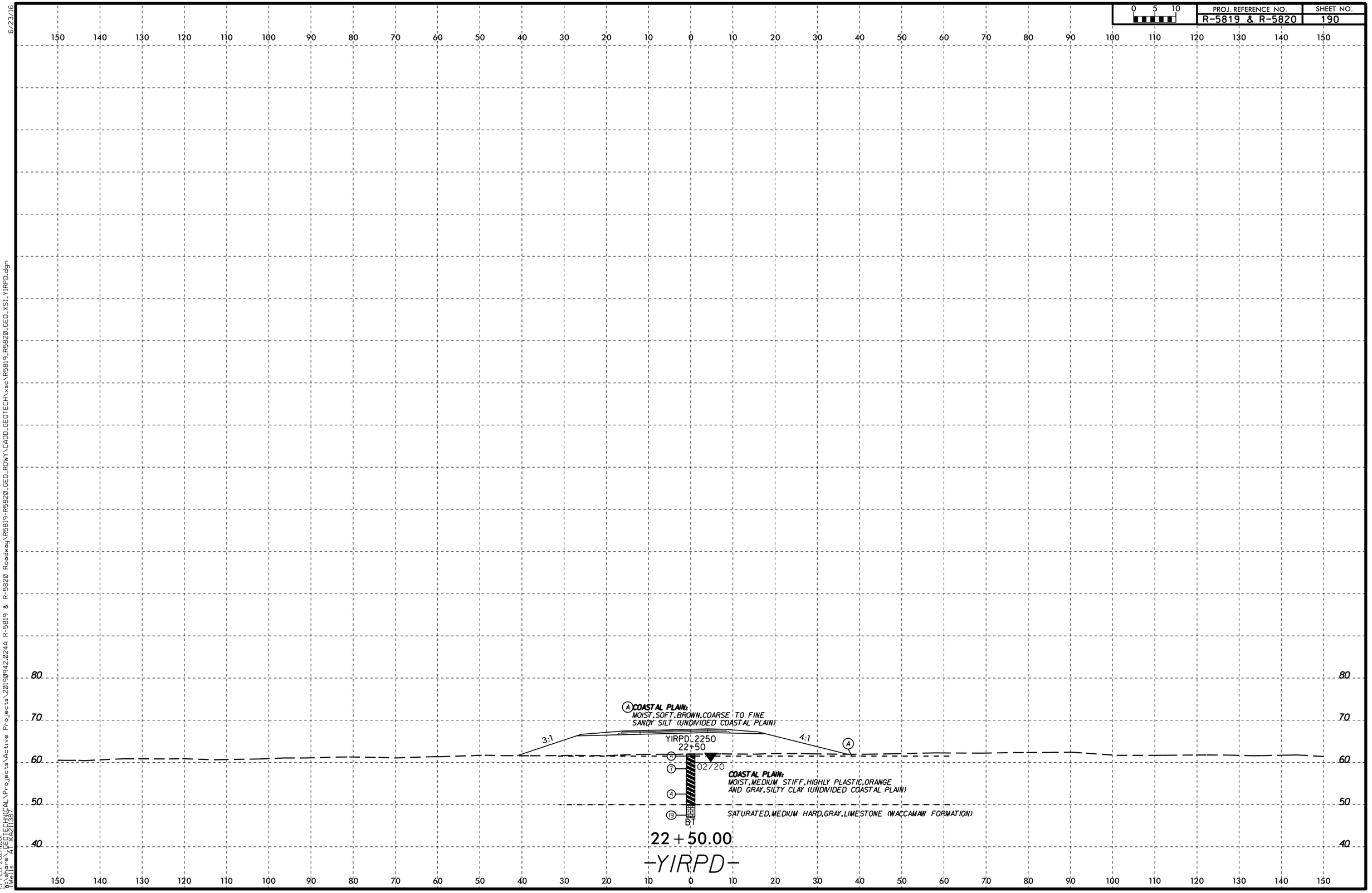
Wells AT KA21136

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	190



6/23/16

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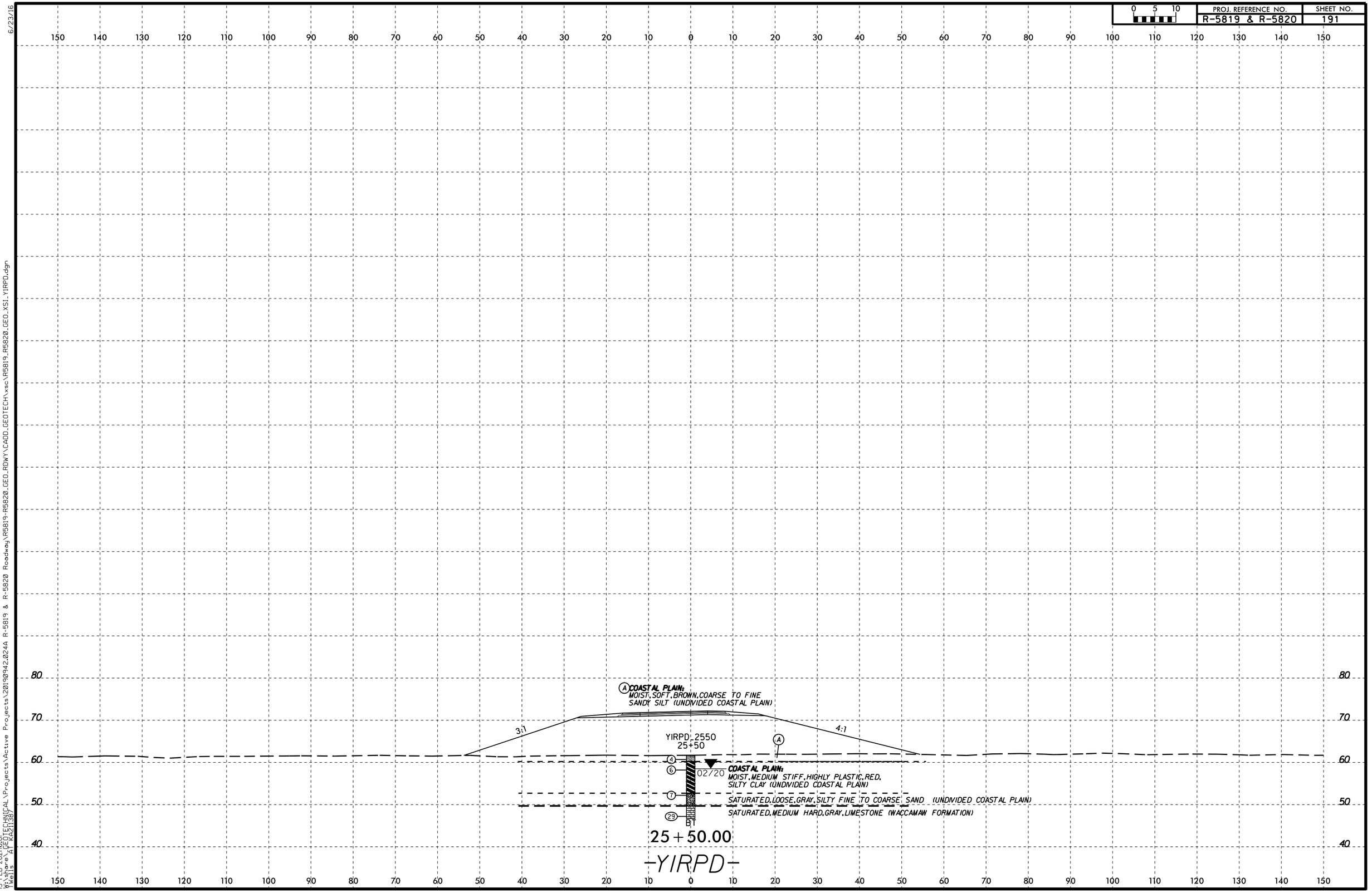
Wells, AT KAZ1136

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	191



6/23/16

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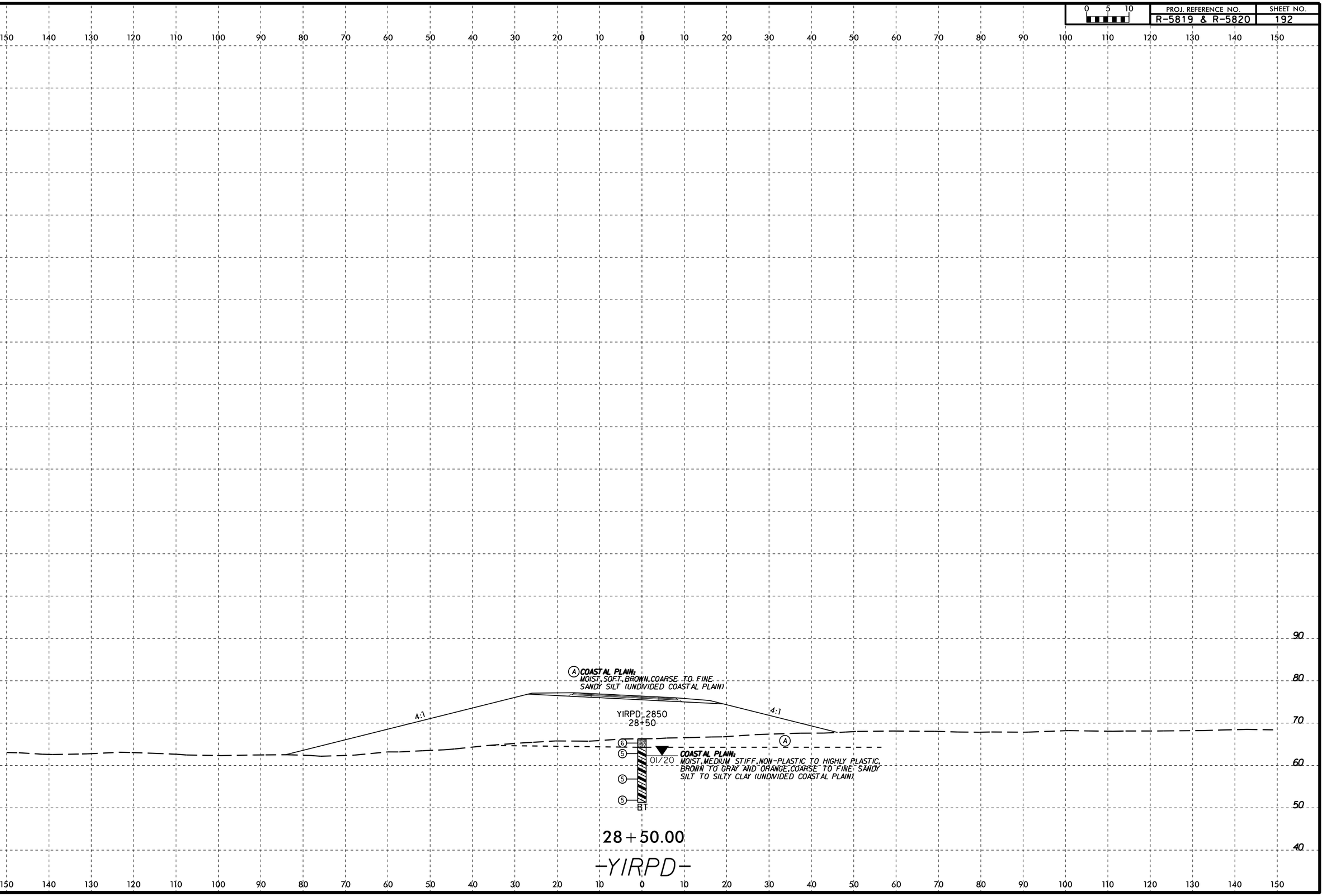
AT KAZI136

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	192



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AT Wells
AT KAZI136

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	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

70 60 50 40

A ROADWAY EMBANKMENT:
MOIST, MEDIUM DENSE, TAN, FINE SAND

3:1 3:1

COASTAL PLAIN:
MOIST TO WET, MEDIUM STIFF TO VERY STIFF, SLIGHTLY TO HIGHLY PLASTIC, GRAY AND ORANGE, COARSE TO FINE SANDY SILT TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

14+50.00

70 60 50

A ROADWAY EMBANKMENT:
MOIST, MEDIUM DENSE, TAN, FINE SAND

3:1 3:1

COASTAL PLAIN:
MOIST TO WET, MEDIUM STIFF, ORANGE AND BROWN, FINE TO COARSE SANDY SILT (UNDIVIDED COASTAL PLAIN)

14+00.00

70 60 50 40 90 80 70 60 50

A ROADWAY EMBANKMENT:
MOIST, MEDIUM DENSE, TAN, FINE SAND

3:1 3:1

COASTAL PLAIN:
MOIST TO WET, MEDIUM STIFF, ORANGE AND BROWN, FINE TO COARSE SANDY SILT (UNDIVIDED COASTAL PLAIN)

13+50.00

70 60 50

YIA_1300
13+00
BT 02/20

A ROADWAY EMBANKMENT:
MOIST, MEDIUM DENSE, TAN, FINE SAND

3:1 3:1

COASTAL PLAIN:
MOIST TO WET, MEDIUM STIFF, ORANGE AND BROWN, FINE TO COARSE SANDY SILT (UNDIVIDED COASTAL PLAIN)

13+00.00

-YIA-

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

6/23/16

15-FEB-2021|6:01
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AT Wells AT KAZI136

150 140 130 120 110 100 90 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:
MOIST, MEDIUM DENSE, TAN, FINE SAND

3:1 3:1

COASTAL PLAIN:
MOIST TO WET, MEDIUM STIFF TO VERY STIFF, SLIGHTLY TO HIGHLY PLASTIC, GRAY AND ORANGE, COARSE TO FINE SANDY SILT TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

16+00.00

70 60 50 40

Ⓐ ROADWAY EMBANKMENT:
MOIST, MEDIUM DENSE, TAN, FINE SAND

3:1 3:1

COASTAL PLAIN:
MOIST TO WET, MEDIUM STIFF TO VERY STIFF, SLIGHTLY TO HIGHLY PLASTIC, GRAY AND ORANGE, COARSE TO FINE SANDY SILT TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

15+50.00

80 70 60 50 40

Ⓐ ROADWAY EMBANKMENT:
MOIST, MEDIUM DENSE, TAN, FINE SAND

S-65
Y1A_1500
15+00

-Y5- CHURCH ST
INTERSECTION

3:1

02/20
BT

COASTAL PLAIN:
MOIST TO WET, MEDIUM STIFF TO VERY STIFF, SLIGHTLY TO HIGHLY PLASTIC, GRAY AND ORANGE, COARSE TO FINE SANDY SILT TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

15+00.00

-Y1A-

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

6/23/16

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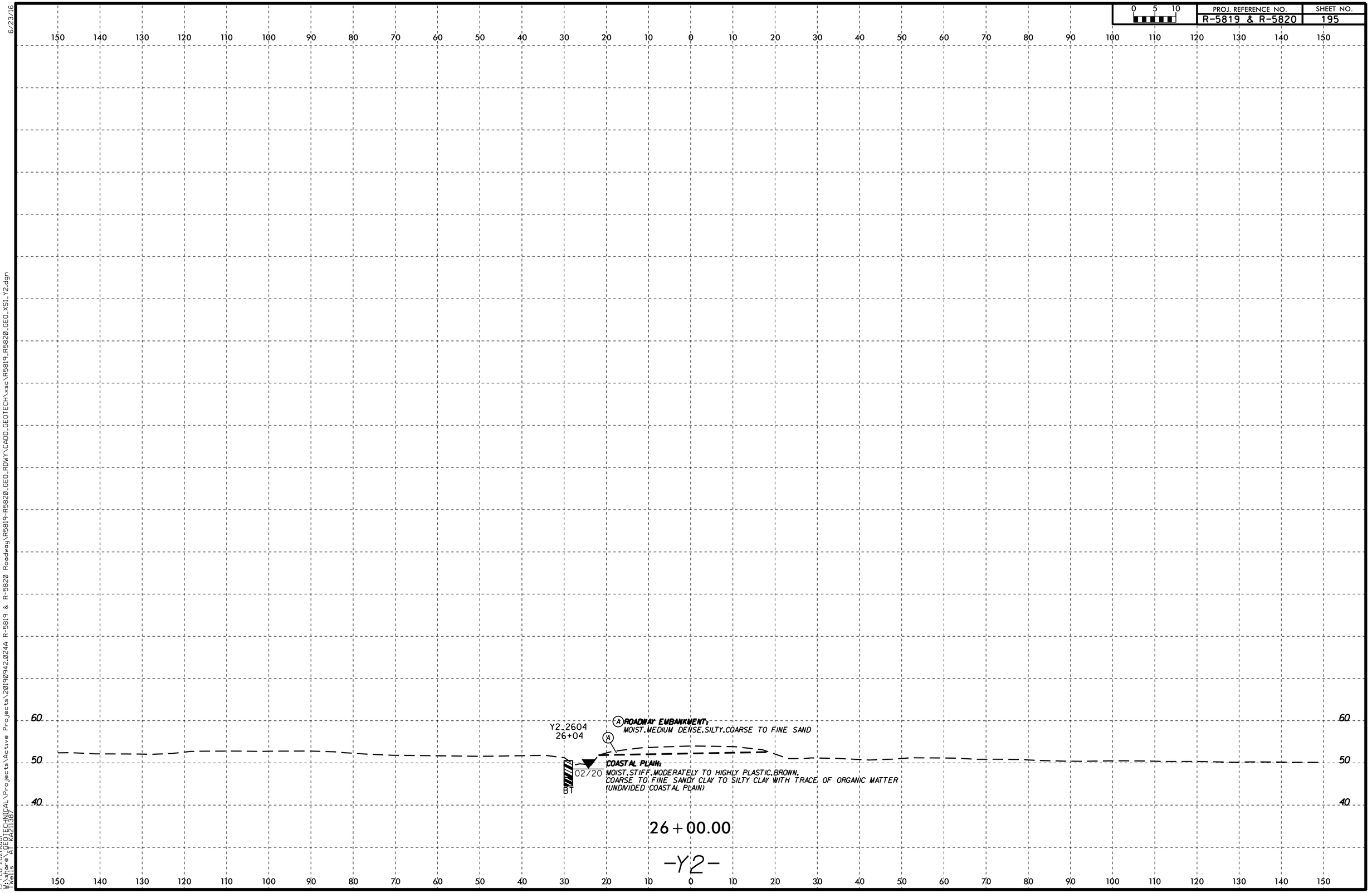
Wells AT KPZ1138

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	195



6/23/16

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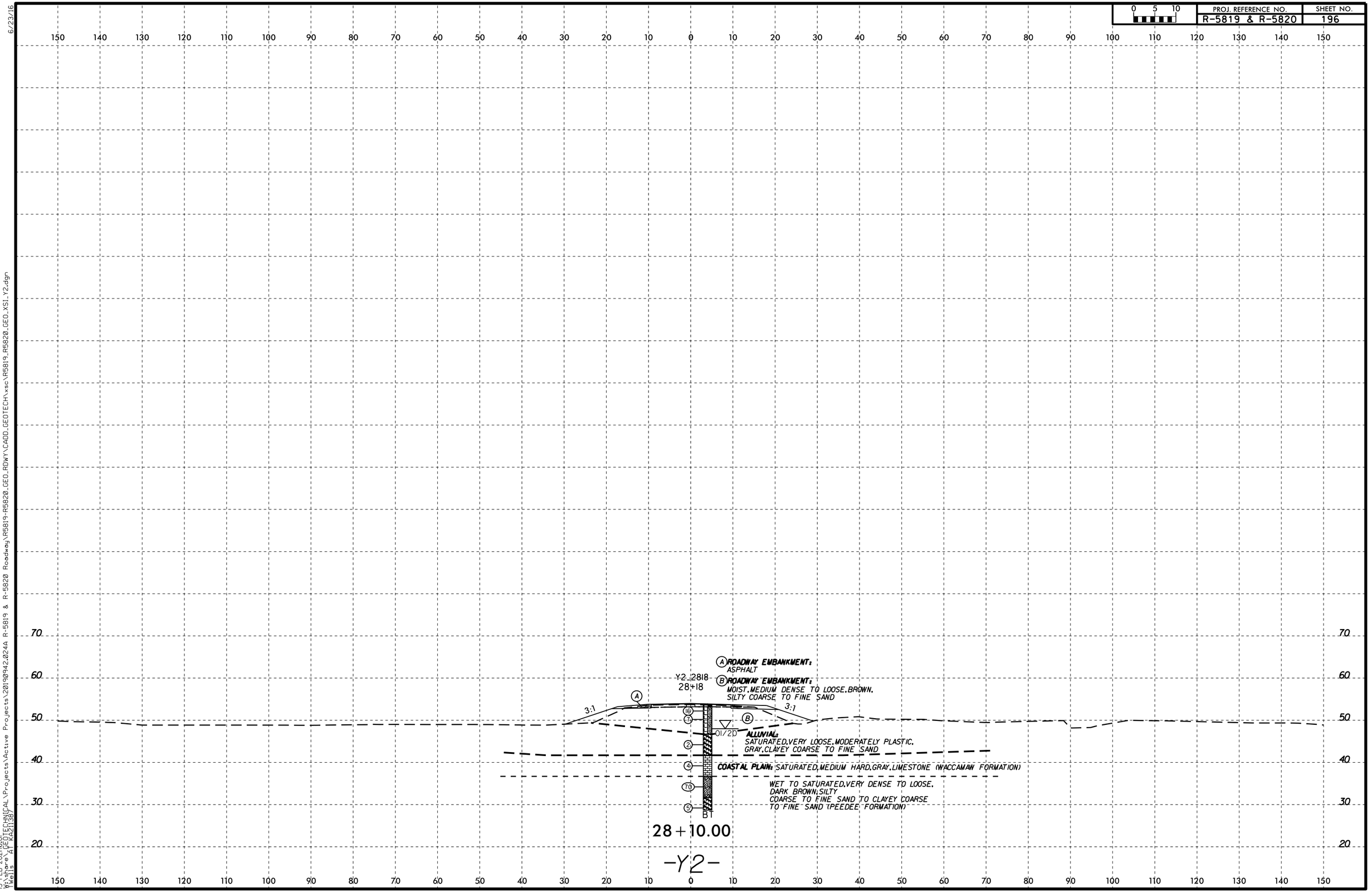
Wells AT KAZ1136

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	196



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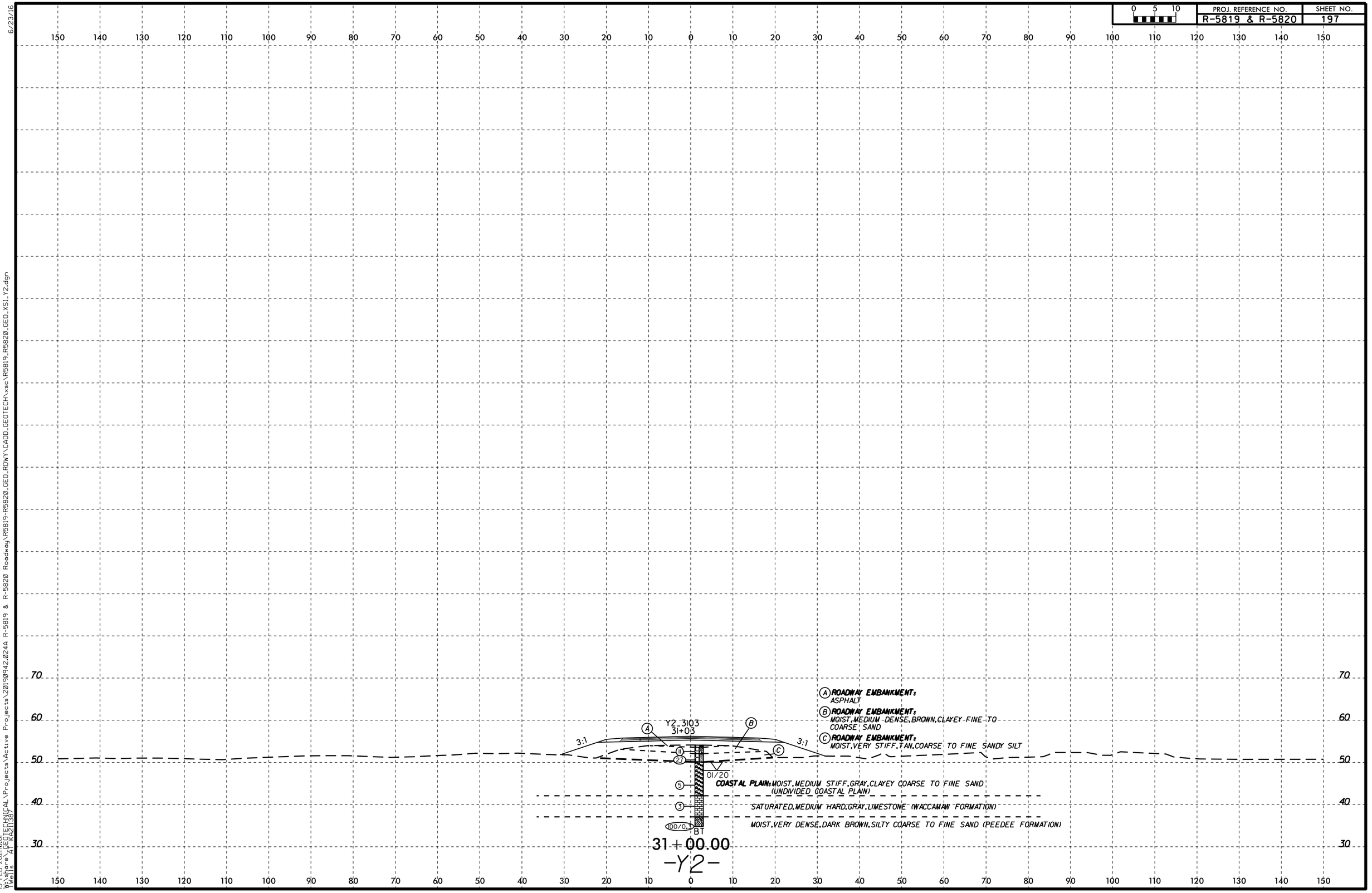
AT Wells AT KAZI136

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	197



6/23/16

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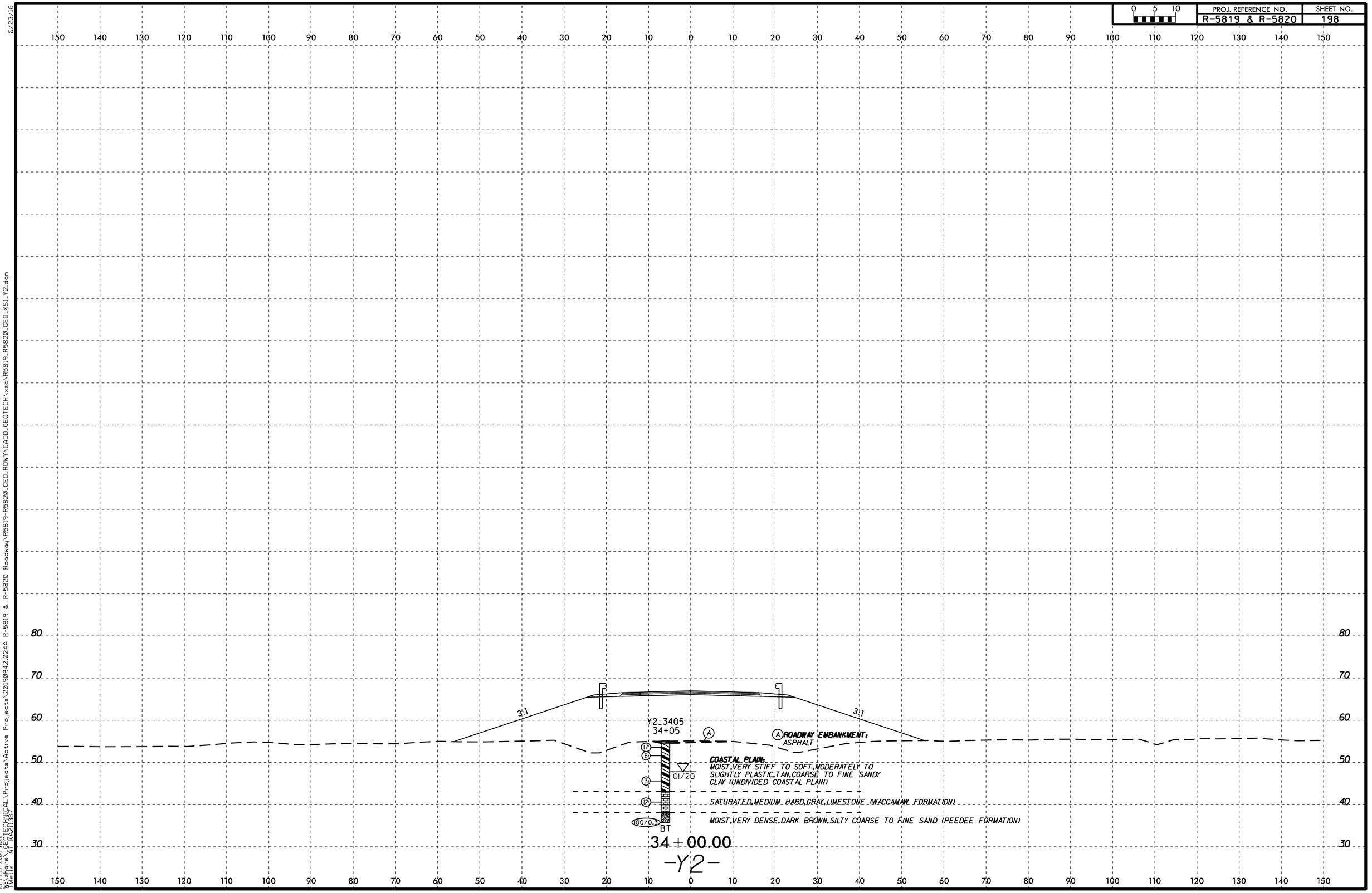
T Wells AT KAZ1136

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	198



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AT Wells AT KAZI136

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	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

80 70 60 50 40 30 20 10

3:1

3:1

(A) ROADWAY EMBANKMENT:
ASPHALT

(B) ROADWAY EMBANKMENT:
MOIST, MEDIUM DENSE, DARK BROWN, CLAYEY COARSE TO FINE SAND

ST-6
Y2_3590
35+90

(A)

(B)

25
8

COASTAL PLAIN:
MOIST TO SATURATED, VERY STIFF TO VERY SOFT, NON-PLASTIC TO HIGHLY PLASTIC, TAN TO BROWN AND GRAY, COARSE TO FINE SANDY SILT TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

2

7

SATURATED, MEDIUM HARD, GRAY, LIMESTONE (WACCAMAW FORMATION)

100/0.6

MOIST TO WET, VERY DENSE TO LOOSE, DARK BROWN, SILTY COARSE TO FINE SAND TO CLAYEY COARSE TO FINE SAND (PEEDEE FORMATION)

6

7

8

11

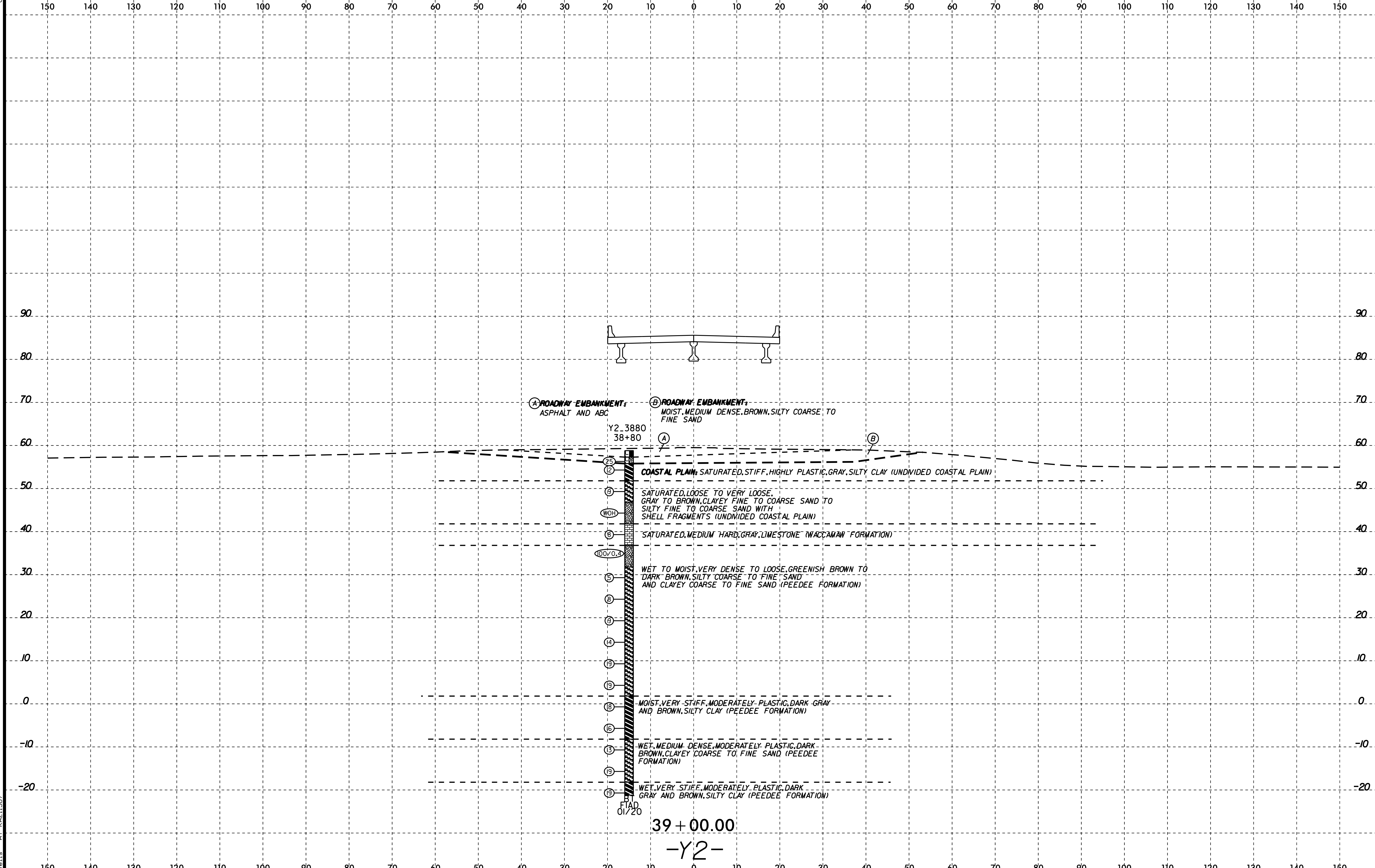
FTAD
01/20

36+00.00
-Y2-

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

15-FEB-2021|6:01
W:\share\GEOTECHNICAL\Projects\Active Projects\20190942.024A R-5819 & R-5820 Roadway\R5819-R5820.GEO.RDWY\CADD.GEOTECH\xsc\R5819_R5820.GEO_XSI_Y2.dgn
Wells AT KAZ1136

PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	200



0 5 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
90
80
70
60
50
40
30
20
10
0
-10
-20
(A) ROADWAY EMBANKMENT:
ASPHALT AND ABC
(B) ROADWAY EMBANKMENT:
MOIST, MEDIUM DENSE, BROWN, SILTY COARSE TO FINE SAND
Y2_3880
38+80
A
B
25
12
COASTAL PLAIN: SATURATED, STIFF, HIGHLY PLASTIC, GRAY, SILTY CLAY (UNDIVIDED COASTAL PLAIN)
9
WOH
SATURATED, LOOSE TO VERY LOOSE, GRAY TO BROWN, CLAYEY FINE TO COARSE SAND TO SILTY FINE TO COARSE SAND WITH SHELL FRAGMENTS (UNDIVIDED COASTAL PLAIN)
8
SATURATED, MEDIUM HARD, GRAY, LIMESTONE (WACCAMAW FORMATION)
100/0.4
WET TO MOIST, VERY DENSE TO LOOSE, GREENISH BROWN TO DARK BROWN, SILTY COARSE TO FINE SAND AND CLAYEY COARSE TO FINE SAND (PEEDEE FORMATION)
5
8
9
14
19
19
18
MOIST, VERY STIFF, MODERATELY PLASTIC, DARK GRAY AND BROWN, SILTY CLAY (PEEDEE FORMATION)
16
13
WET, MEDIUM DENSE, MODERATELY PLASTIC, DARK BROWN, CLAYEY COARSE TO FINE SAND (PEEDEE FORMATION)
19
19
WET, VERY STIFF, MODERATELY PLASTIC, DARK GRAY AND BROWN, SILTY CLAY (PEEDEE FORMATION)
BT
FIAD
01/20
39+00.00
-Y2-

6/23/16

15-FEB-2021 16:01
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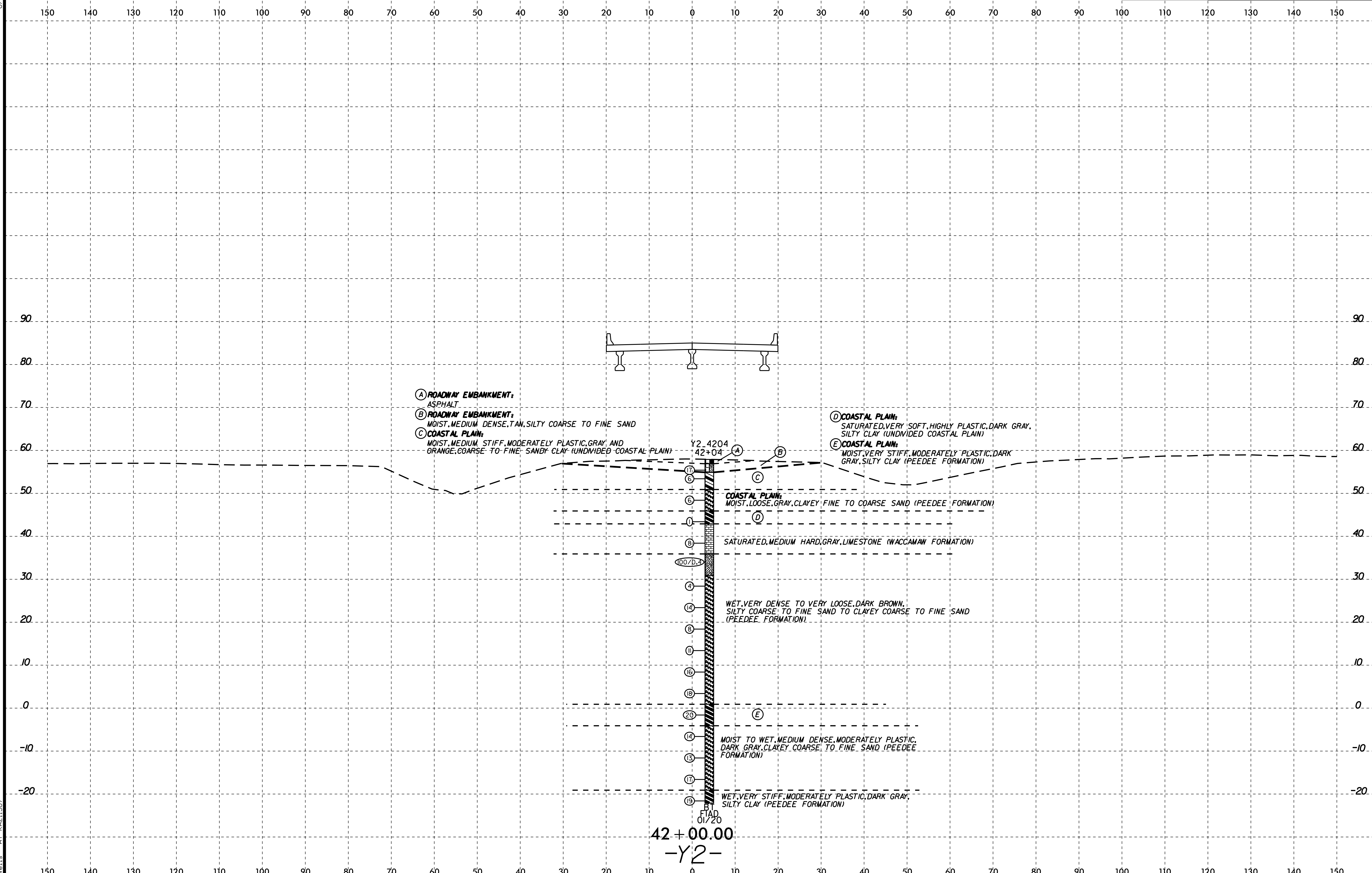
TWells AT KA211387

PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	201



Y2_4204
42+04
(A) ROADWAY EMBANKMENT:
ASPHALT
(B) ROADWAY EMBANKMENT:
MOIST, MEDIUM DENSE, TAN, SILTY COARSE TO FINE SAND
(C) COASTAL PLAIN:
MOIST, MEDIUM STIFF, MODERATELY PLASTIC, GRAY AND ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)
(D) COASTAL PLAIN:
SATURATED, VERY SOFT, HIGHLY PLASTIC, DARK GRAY, SILTY CLAY (UNDIVIDED COASTAL PLAIN)
(E) COASTAL PLAIN:
MOIST, VERY STIFF, MODERATELY PLASTIC, DARK GRAY, SILTY CLAY (PEEDEE FORMATION)
COASTAL PLAIN:
MOIST, LOOSE, GRAY, CLAYEY FINE TO COARSE SAND (PEEDEE FORMATION)
SATURATED, MEDIUM HARD, GRAY, LIMESTONE (WACCAMAW FORMATION)
WET, VERY DENSE TO VERY LOOSE, DARK BROWN, SILTY COARSE TO FINE SAND TO CLAYEY COARSE TO FINE SAND (PEEDEE FORMATION)
MOIST TO WET, MEDIUM DENSE, MODERATELY PLASTIC, DARK GRAY, CLAYEY COARSE TO FINE SAND (PEEDEE FORMATION)
WET, VERY STIFF, MODERATELY PLASTIC, DARK GRAY, SILTY CLAY (PEEDEE FORMATION)
17 6 6 0 8 100/0.4 4 14 8 11 16 18 20 14 13 17 19
BT
FTAD
01/20
42+00.00
-Y2-

15-FEB-2021 16:01
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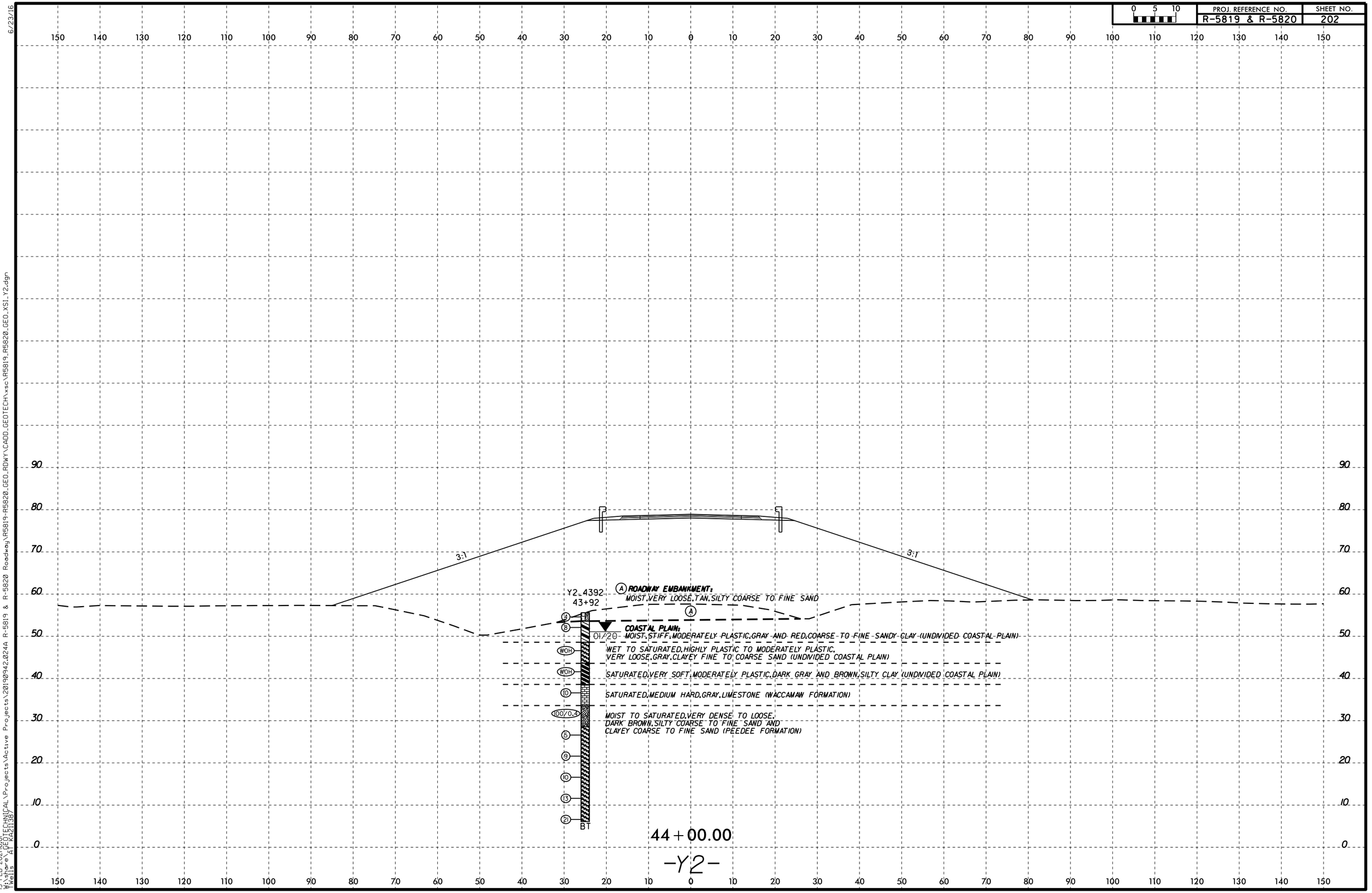
TWells AT KA211387
6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	202



6/23/16

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Wells AT KAZ1136

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	203

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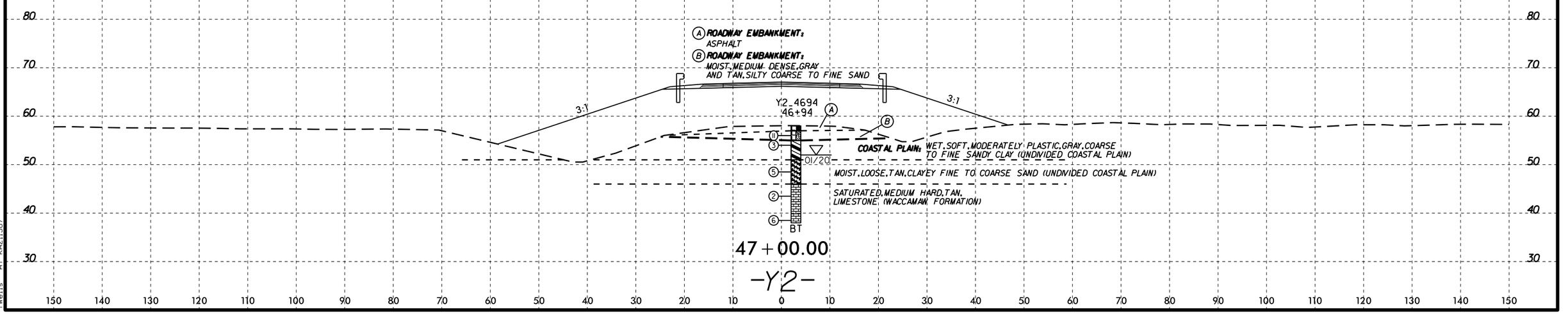

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

15-FEB-2021|6:01
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AT WELLS

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

Ⓐ **ROADWAY EMBANKMENT:** MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT
Ⓑ **COASTAL PLAIN:** MOIST, MEDIUM STIFF, MODERATELY PLASTIC, ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)
Ⓒ **COASTAL PLAIN:** MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

3:1 4:1 3:1

COASTAL PLAIN: MOIST TO WET, STIFF, HIGHLY PLASTIC, ORANGE TO RED, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

51 + 50.00

Ⓐ **ROADWAY EMBANKMENT:** MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT
Ⓑ **COASTAL PLAIN:** MOIST, MEDIUM STIFF, MODERATELY PLASTIC, ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)
Ⓒ **COASTAL PLAIN:** MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

3:1 4:1 3:1

COASTAL PLAIN: MOIST TO WET, STIFF, HIGHLY PLASTIC, ORANGE TO RED, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

51 + 00.00

Ⓐ **ROADWAY EMBANKMENT:** MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT
Ⓑ **COASTAL PLAIN:** MOIST, MEDIUM STIFF, MODERATELY PLASTIC, ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)
Ⓒ **COASTAL PLAIN:** MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

3:1 4:1 3:1

COASTAL PLAIN: MOIST TO WET, STIFF, HIGHLY PLASTIC, ORANGE TO RED, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

50 + 50.00

Ⓐ **ROADWAY EMBANKMENT:** ASPHALT
Ⓑ **ROADWAY EMBANKMENT:** MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT

Y2_4999
49+99

Ⓒ **COASTAL PLAIN:** MOIST, MEDIUM STIFF, MODERATELY PLASTIC, GRAY AND ORANGE, COARSE TO FINE SANDY CLAY (PEEDEE FORMATION)

3:1 4:1 3:1

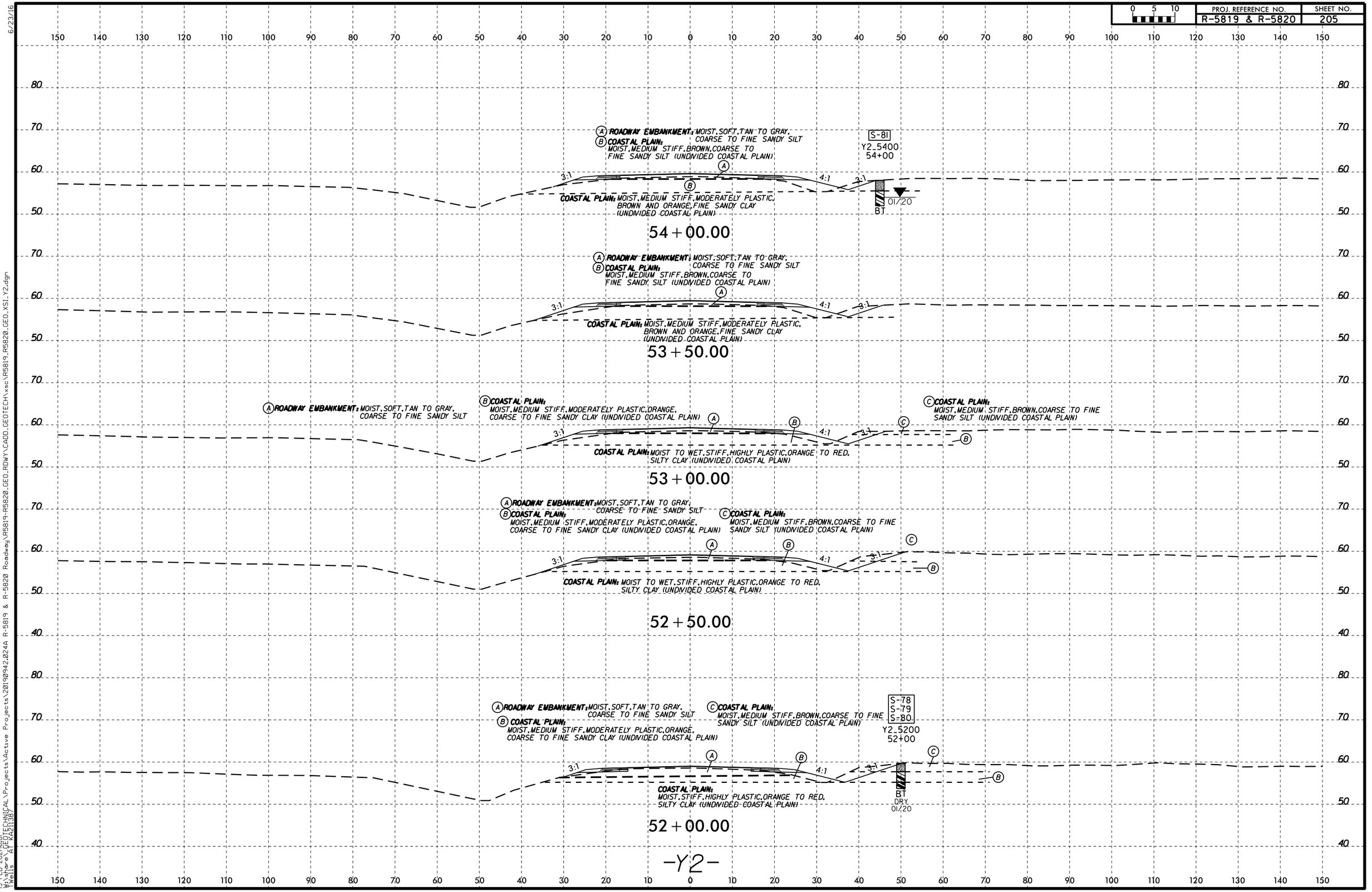
⑩ ④ Ⓒ ⑤ ⑦ ⑧ BT

COASTAL PLAIN: MOIST, LOOSE, TAN, SILTY FINE TO COARSE SAND (UNDIVIDED COASTAL PLAIN)

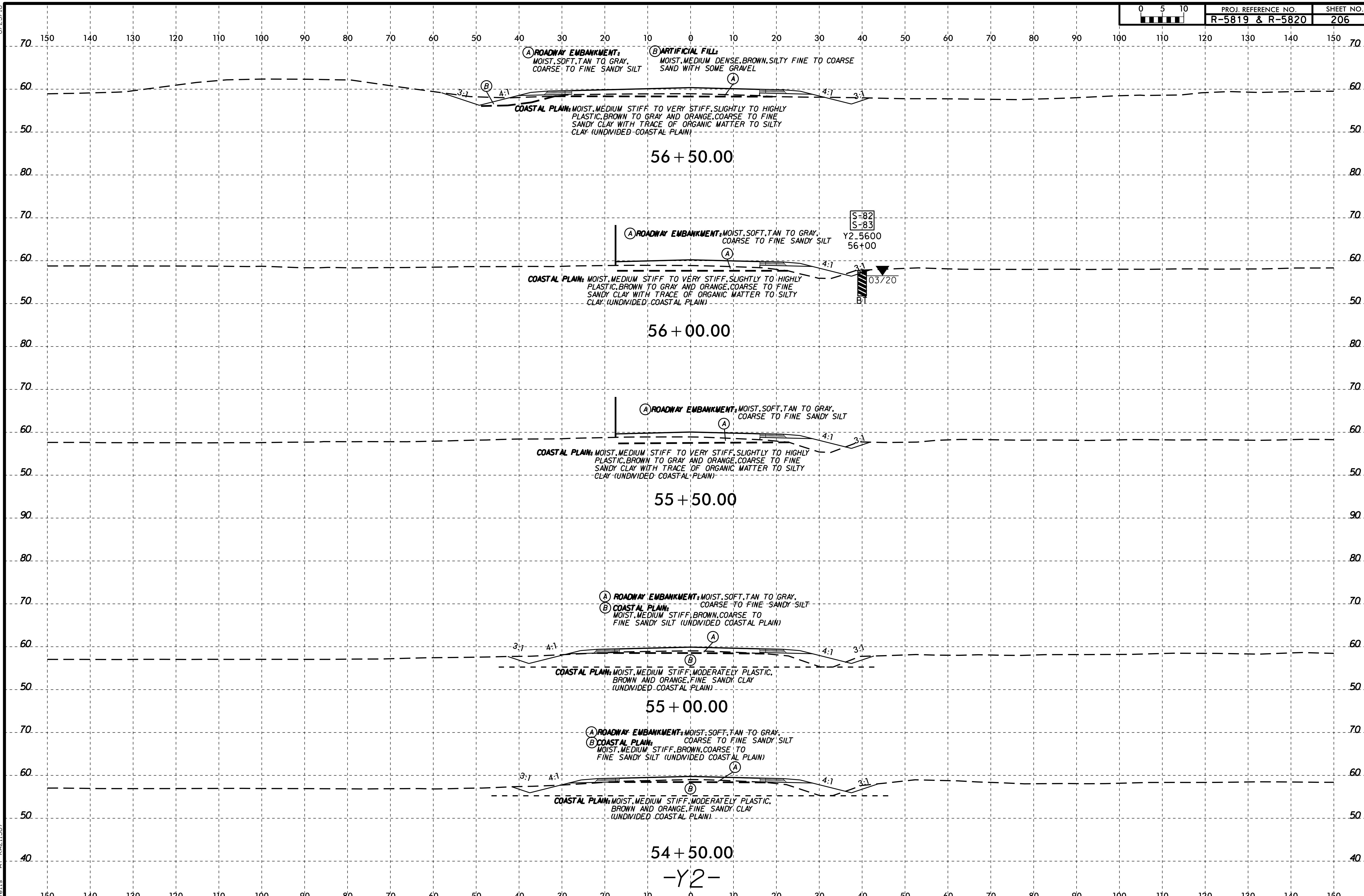
SATURATED, MEDIUM HARD, GRAY, LIMESTONE (WACCAMAW FORMATION)

50 + 00.00

-Y2-



PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	206



0 5 10
(A) ROADWAY EMBANKMENT: MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT
(B) ARTIFICIAL FILL: MOIST, MEDIUM DENSE, BROWN, SILTY FINE TO COARSE SAND WITH SOME GRAVEL
COASTAL PLAIN: MOIST, MEDIUM STIFF TO VERY STIFF, SLIGHTLY TO HIGHLY PLASTIC, BROWN TO GRAY AND ORANGE, COARSE TO FINE SANDY CLAY WITH TRACE OF ORGANIC MATTER TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)
56+50.00
(A) ROADWAY EMBANKMENT: MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT
S-82
S-83
Y2_5600
56+00
03/20
B1
COASTAL PLAIN: MOIST, MEDIUM STIFF TO VERY STIFF, SLIGHTLY TO HIGHLY PLASTIC, BROWN TO GRAY AND ORANGE, COARSE TO FINE SANDY CLAY WITH TRACE OF ORGANIC MATTER TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)
56+00.00
(A) ROADWAY EMBANKMENT: MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT
COASTAL PLAIN: MOIST, MEDIUM STIFF TO VERY STIFF, SLIGHTLY TO HIGHLY PLASTIC, BROWN TO GRAY AND ORANGE, COARSE TO FINE SANDY CLAY WITH TRACE OF ORGANIC MATTER TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)
55+50.00
(A) ROADWAY EMBANKMENT: MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT
(B) COASTAL PLAIN: MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)
COASTAL PLAIN: MOIST, MEDIUM STIFF, MODERATELY PLASTIC, BROWN AND ORANGE, FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)
55+00.00
(A) ROADWAY EMBANKMENT: MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT
(B) COASTAL PLAIN: MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)
COASTAL PLAIN: MOIST, MEDIUM STIFF, MODERATELY PLASTIC, BROWN AND ORANGE, FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)
54+50.00
-Y2-

6/23/16

15-FEB-2021 16:01
W:\share_GEOTECHNICAL\Projects\Active Projects\20190942.024A R-5819 & R-5820 Roadway\R5819-R5820_GEO_RDWY\CADD_GEOTECH\xsc\R5819_R5820_GEO_XSL_Y2.dgn
TWells AT KA211387

150 140 130 120 110 100 90 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

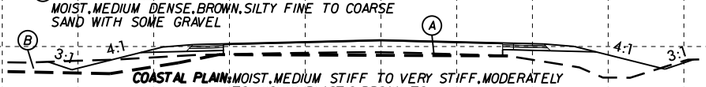
59 + 50.00

(A) **ROADWAY EMBANKMENT:** MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT
(B) **ARTIFICIAL FILL:** MOIST, MEDIUM DENSE, BROWN, SILTY FINE TO COARSE SAND WITH SOME GRAVEL

COASTAL PLAIN: MOIST, MEDIUM STIFF TO VERY STIFF, MODERATELY TO HIGHLY PLASTIC, BROWN TO GRAY AND ORANGE, COARSE TO FINE SANDY CLAY WITH TRACE OF ORGANIC MATTER TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

59 + 00.00

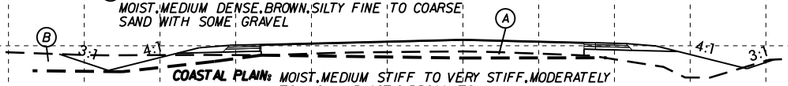
(A) **ROADWAY EMBANKMENT:** MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT
(B) **ARTIFICIAL FILL:** MOIST, MEDIUM DENSE, BROWN, SILTY FINE TO COARSE SAND WITH SOME GRAVEL



COASTAL PLAIN: MOIST, MEDIUM STIFF TO VERY STIFF, MODERATELY TO HIGHLY PLASTIC, BROWN TO GRAY AND ORANGE, COARSE TO FINE SANDY CLAY WITH TRACE OF ORGANIC MATTER TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

58 + 50.00

(A) **ROADWAY EMBANKMENT:** MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT
(B) **ARTIFICIAL FILL:** MOIST, MEDIUM DENSE, BROWN, SILTY FINE TO COARSE SAND WITH SOME GRAVEL



COASTAL PLAIN: MOIST, MEDIUM STIFF TO VERY STIFF, MODERATELY TO HIGHLY PLASTIC, BROWN TO GRAY AND ORANGE, COARSE TO FINE SANDY CLAY WITH TRACE OF ORGANIC MATTER TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

58 + 00.00

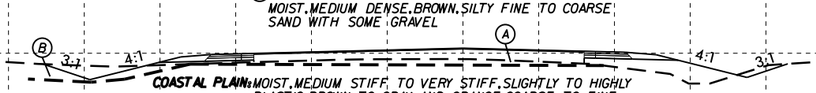
Y2_5798
57+98
BT
DRY
03/20

(A) **ROADWAY EMBANKMENT:** MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT
(B) **ARTIFICIAL FILL:** MOIST, MEDIUM DENSE, BROWN, SILTY FINE TO COARSE SAND WITH SOME GRAVEL

COASTAL PLAIN: MOIST, MEDIUM STIFF TO VERY STIFF, SLIGHTLY TO HIGHLY PLASTIC, BROWN TO GRAY AND ORANGE, COARSE TO FINE SANDY CLAY WITH TRACE OF ORGANIC MATTER TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

57 + 50.00

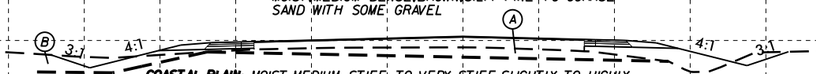
(A) **ROADWAY EMBANKMENT:** MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT
(B) **ARTIFICIAL FILL:** MOIST, MEDIUM DENSE, BROWN, SILTY FINE TO COARSE SAND WITH SOME GRAVEL



COASTAL PLAIN: MOIST, MEDIUM STIFF TO VERY STIFF, SLIGHTLY TO HIGHLY PLASTIC, BROWN TO GRAY AND ORANGE, COARSE TO FINE SANDY CLAY WITH TRACE OF ORGANIC MATTER TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

57 + 00.00

(A) **ROADWAY EMBANKMENT:** MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT
(B) **ARTIFICIAL FILL:** MOIST, MEDIUM DENSE, BROWN, SILTY FINE TO COARSE SAND WITH SOME GRAVEL



COASTAL PLAIN: MOIST, MEDIUM STIFF TO VERY STIFF, SLIGHTLY TO HIGHLY PLASTIC, BROWN TO GRAY AND ORANGE, COARSE TO FINE SANDY CLAY WITH TRACE OF ORGANIC MATTER TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

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

-Y2-

S-85
S-86
Y2_6204
62+04
BT
DRY
03/20

A ROADWAY EMBANKMENT: MOIST,SOFT,TAN TO GRAY, COARSE TO FINE SANDY SILT
B COASTAL PLAIN: MOIST,LOOSE,ORANGE AND BROWN,SILTY COARSE TO FINE SAND WITH TRACE GRAVEL (UNDIVIDED COASTAL PLAIN)
COASTAL PLAIN: MOIST,VERY STIFF,MODERATELY PLASTIC,TAN, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

3:1 4:1 4:1 3:1

62+00.00

A ROADWAY EMBANKMENT: MOIST,SOFT,TAN TO GRAY, COARSE TO FINE SANDY SILT
COASTAL PLAIN: MOIST,MEDIUM STIFF TO VERY STIFF,BROWN TO GRAY AND ORANGE TO TAN,COARSE TO FINE SANDY CLAY WITH TRACE OF ORGANIC MATTER TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

4:1 3:1

61+50.00

A ROADWAY EMBANKMENT: MOIST,SOFT,TAN TO GRAY, COARSE TO FINE SANDY SILT
COASTAL PLAIN: MOIST,MEDIUM STIFF TO VERY STIFF,BROWN TO GRAY AND ORANGE TO TAN,COARSE TO FINE SANDY CLAY WITH TRACE OF ORGANIC MATTER TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

4:1 3:1

61+00.00

A ROADWAY EMBANKMENT: MOIST,SOFT,TAN TO GRAY, COARSE TO FINE SANDY SILT
COASTAL PLAIN: MOIST,MEDIUM STIFF TO VERY STIFF,BROWN TO GRAY AND ORANGE TO TAN,COARSE TO FINE SANDY CLAY WITH TRACE OF ORGANIC MATTER TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

3:1 4:1 4:1 3:1

60+50.00

S-84
Y2_6001
60+01
BT
DRY
03/20

A ROADWAY EMBANKMENT: MOIST,SOFT,TAN TO GRAY, COARSE TO FINE SANDY SILT
COASTAL PLAIN: MOIST,MEDIUM STIFF TO VERY STIFF,MODERATELY TO HIGHLY PLASTIC,BROWN TO GRAY AND ORANGE,COARSE TO FINE SANDY CLAY WITH TRACE OF ORGANIC MATTER TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

3:1 4:1 4:1 3:1

60+00.00

-Y2-

80 70 60 50 40 70 60 50 40 70 60 50 40 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

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	209

65+00.00

(A) **ROADWAY EMBANKMENT:** MOIST,SOFT,TAN TO GRAY, COARSE TO FINE SANDY SILT

COASTAL PLAIN: MOIST,STIFF,HIGHLY PLASTIC,GRAY-ORANGE, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

64+50.00

(A) **ROADWAY EMBANKMENT:** MOIST,SOFT,TAN TO GRAY, COARSE TO FINE SANDY SILT

COASTAL PLAIN: MOIST,STIFF,HIGHLY PLASTIC,GRAY-ORANGE, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

64+00.00

S-87
Y2_6400
64+00

(A) **ROADWAY EMBANKMENT:** MOIST,SOFT,TAN TO GRAY, COARSE TO FINE SANDY SILT

COASTAL PLAIN: MOIST,STIFF,HIGHLY PLASTIC,GRAY-ORANGE, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

03/20 BT

63+50.00

(A) **ROADWAY EMBANKMENT:** MOIST,SOFT,TAN TO GRAY, COARSE TO FINE SANDY SILT

COASTAL PLAIN: MOIST,LOOSE,ORANGE AND BROWN,SILTY COARSE TO FINE SAND WITH TRACE GRAVEL (UNDIVIDED COASTAL PLAIN)

COASTAL PLAIN: MOIST,VERY STIFF,MODERATELY PLASTIC,TAN, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

63+00.00

(A) **ROADWAY EMBANKMENT:** MOIST,SOFT,TAN TO GRAY, COARSE TO FINE SANDY SILT

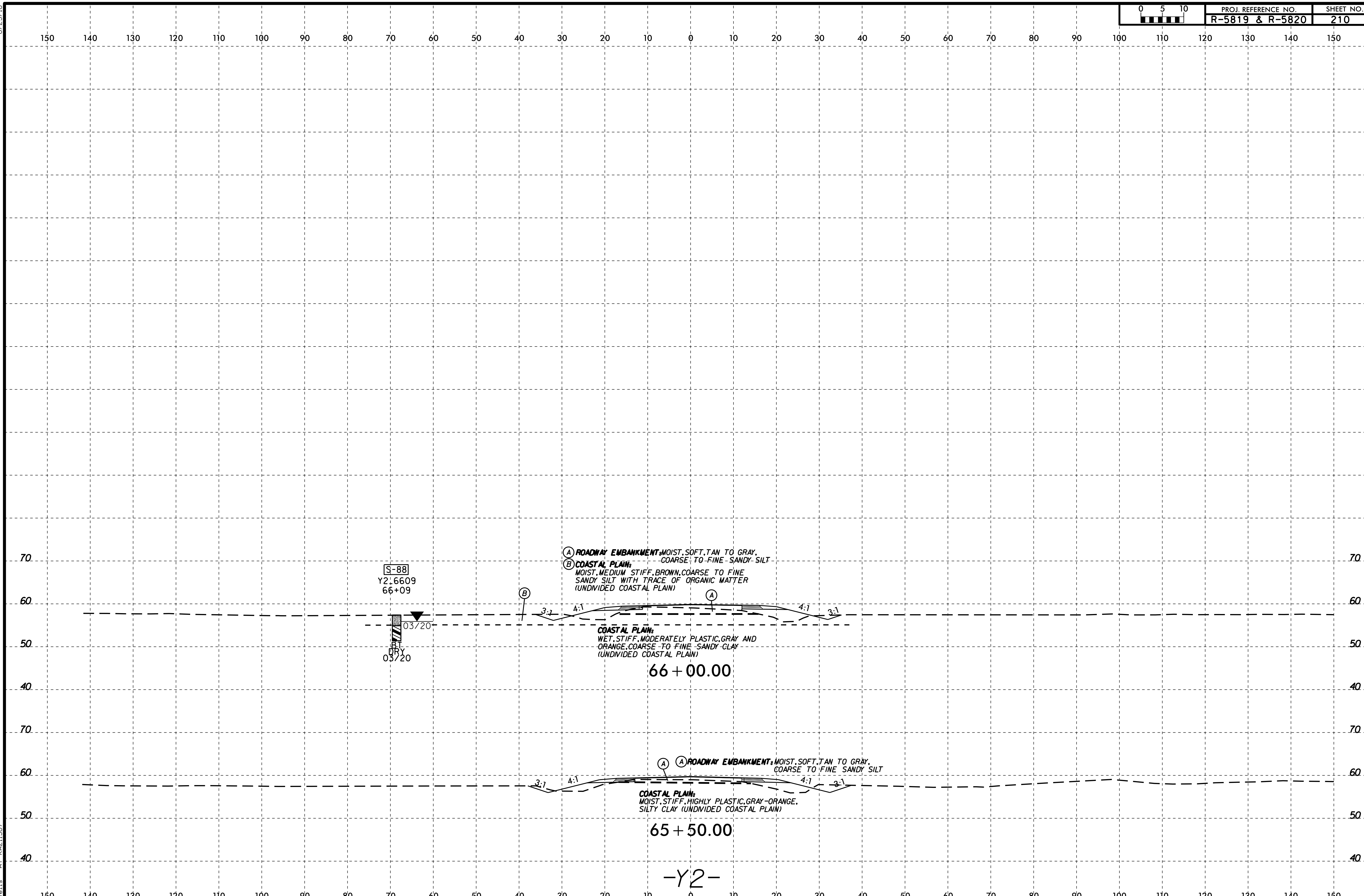
(B) **COASTAL PLAIN:** MOIST,LOOSE,ORANGE AND BROWN,SILTY COARSE TO FINE SAND WITH TRACE GRAVEL (UNDIVIDED COASTAL PLAIN)

COASTAL PLAIN: MOIST,VERY STIFF,MODERATELY PLASTIC,TAN, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

62+50.00

-Y2-

PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	210



0 5 10
S-88
Y2_6609
66+09
03/20
BT
DRY
03/20
(A) ROADWAY EMBANKMENT: MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT
(B) COASTAL PLAIN: MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY SILT WITH TRACE OF ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)
COASTAL PLAIN: WET, STIFF, MODERATELY PLASTIC, GRAY AND ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)
3:1
4:1
66 + 00.00
(A) ROADWAY EMBANKMENT: MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT
COASTAL PLAIN: MOIST, STIFF, HIGHLY PLASTIC, GRAY-ORANGE, SILTY CLAY (UNDIVIDED COASTAL PLAIN)
65 + 50.00
-Y2-

6/23/16

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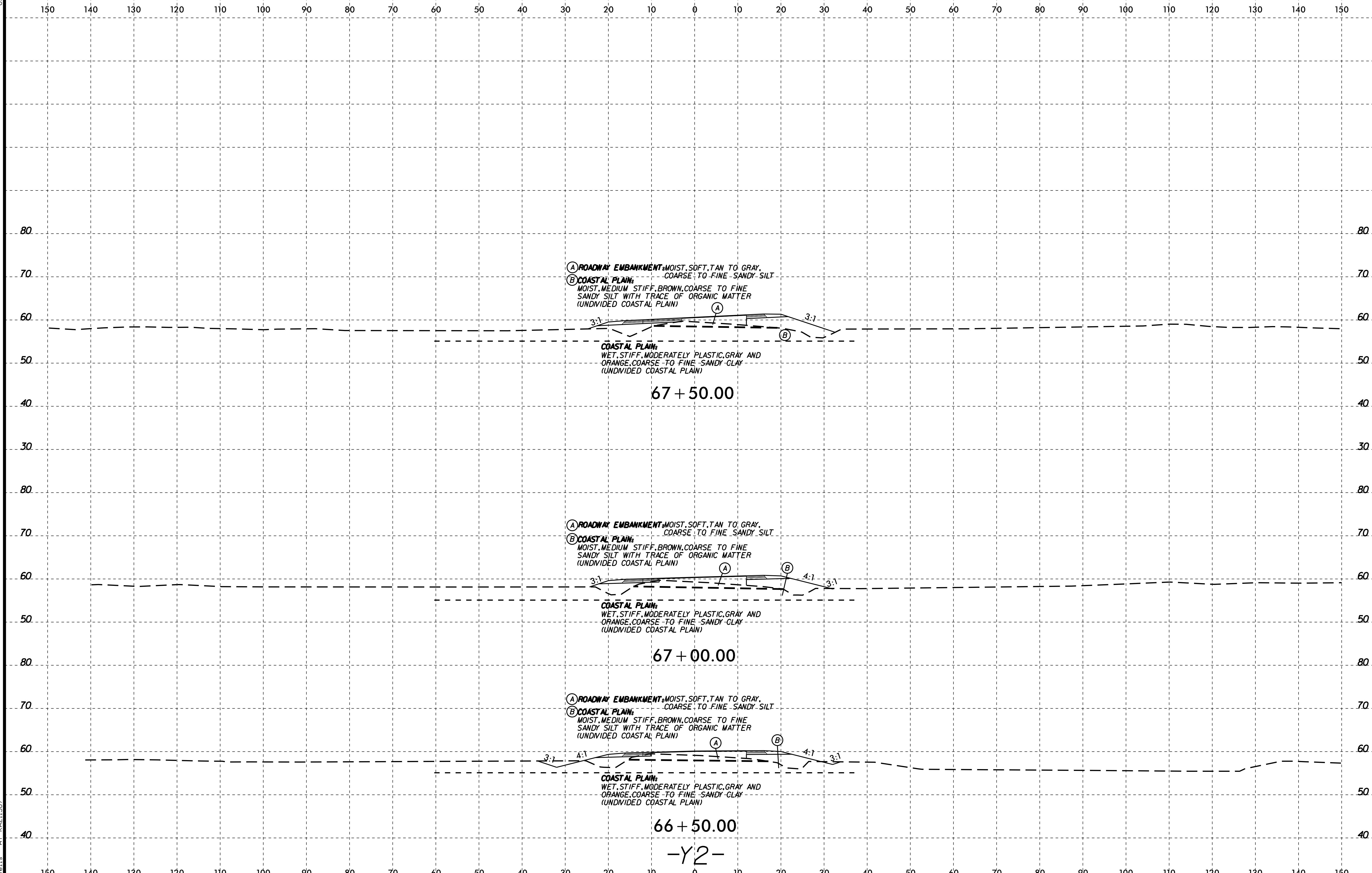
T.Wells AT KA21387

PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	211

0 5 10



(A) ROADWAY EMBANKMENT: MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT
(B) COASTAL PLAIN: MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY SILT WITH TRACE OF ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)
COASTAL PLAIN: WET, STIFF, MODERATELY PLASTIC, GRAY AND ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)
3:1
3:1
67+50.00
(A) ROADWAY EMBANKMENT: MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT
(B) COASTAL PLAIN: MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY SILT WITH TRACE OF ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)
COASTAL PLAIN: WET, STIFF, MODERATELY PLASTIC, GRAY AND ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)
3:1
4:1
3:1
67+00.00
(A) ROADWAY EMBANKMENT: MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT
(B) COASTAL PLAIN: MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY SILT WITH TRACE OF ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)
COASTAL PLAIN: WET, STIFF, MODERATELY PLASTIC, GRAY AND ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)
3:1
4:1
4:1
3:1
66+50.00
-Y2-
150 140 130 120 110 100 90 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 80 70 60 50 80 70 60 50 40

6/23/16

15-FEB-2021 16:02
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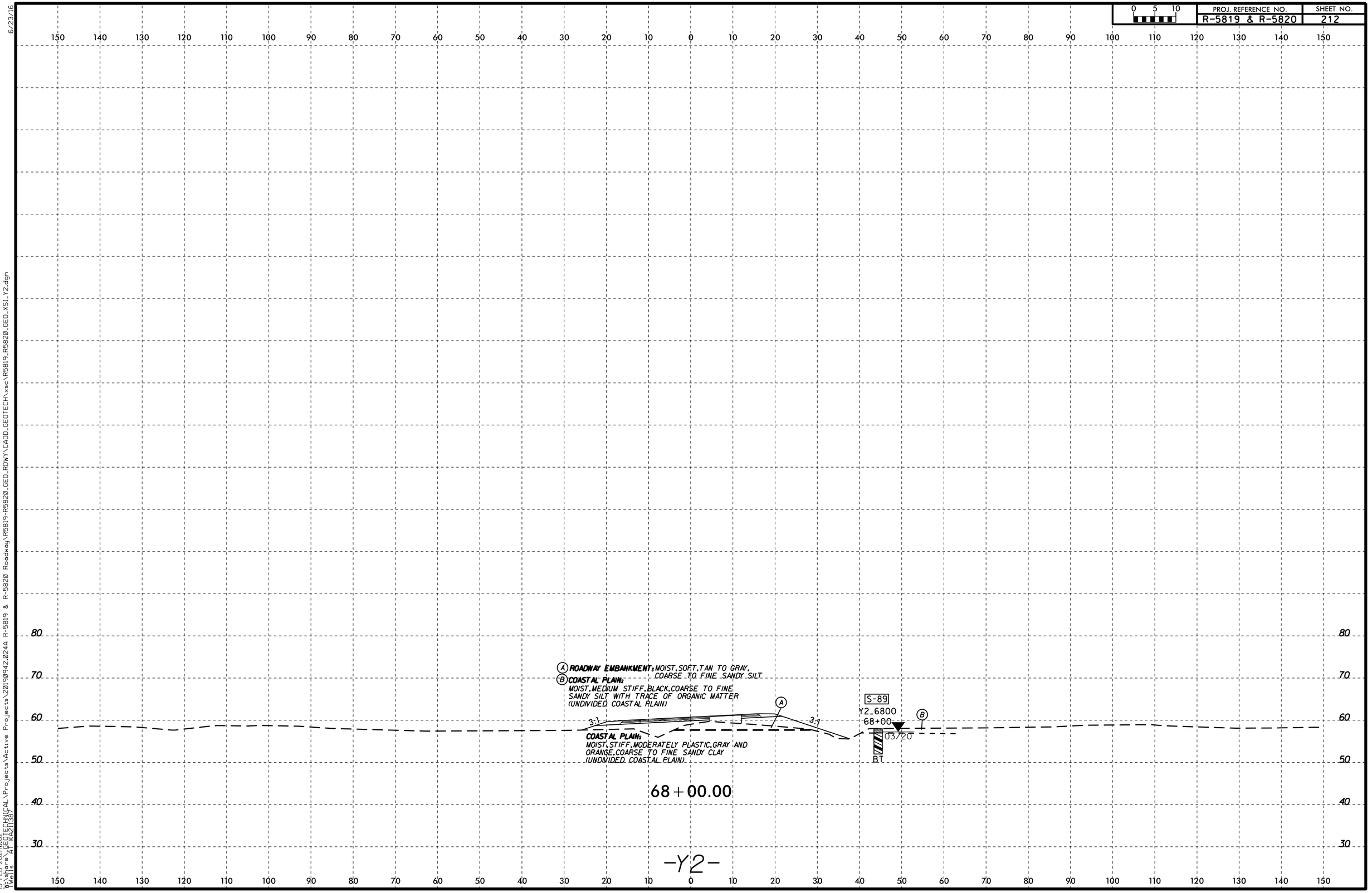
TWells AT KA211387



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0 5 10	PROJ. REFERENCE NO.	SHEET NO.
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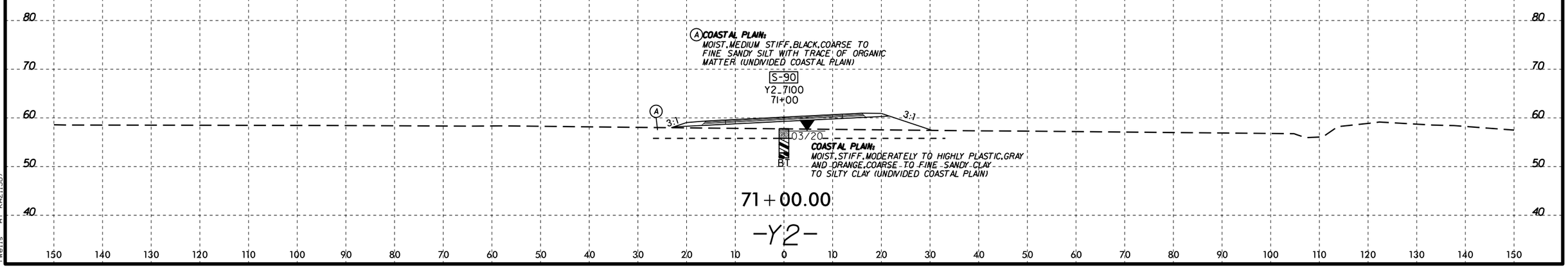

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Wells AT KAZ1136

150 140 130 120 110 100 90 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:** MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT
Ⓑ **COASTAL PLAIN:** MOIST, MEDIUM STIFF, LIGHT BROWN, COARSE TO FINE SANDY SILT (PEEDEE FORMATION)

3:1 3:1

COASTAL PLAIN:
WET, STIFF, GRAY-ORANGE, COARSE TO FINE SANDY CLAY (PEEDEE FORMATION)

76 + 00.00

Ⓐ **ROADWAY EMBANKMENT:** MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT
Ⓑ **COASTAL PLAIN:** MOIST, MEDIUM STIFF, LIGHT BROWN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

3:1 3:1

COASTAL PLAIN:
WET, STIFF, GRAY-ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

75 + 50.00

Ⓐ **ROADWAY EMBANKMENT:** MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT
Ⓑ **COASTAL PLAIN:** MOIST, MEDIUM STIFF, LIGHT BROWN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

3:1 3:1

COASTAL PLAIN:
WET, STIFF, GRAY-ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

75 + 00.00

Ⓐ **ROADWAY EMBANKMENT:** MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT
Ⓑ **COASTAL PLAIN:** MOIST, MEDIUM STIFF, LIGHT BROWN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

COASTAL PLAIN:
WET, STIFF, GRAY-ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

74 + 50.00

-Y2-

150 140 130 120 110 100 90 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:** MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT
Ⓑ **COASTAL PLAIN:** MOIST, MEDIUM STIFF, LIGHT BROWN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

3:1 3:1

COASTAL PLAIN: WET, STIFF, GRAY-ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

78 + 00.00

Ⓐ **ROADWAY EMBANKMENT:** MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT
Ⓑ **COASTAL PLAIN:** MOIST, MEDIUM STIFF, LIGHT BROWN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

3:1 3:1

COASTAL PLAIN: WET, STIFF, GRAY-ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

77 + 50.00

S-91
Y2_7700
77+00

Ⓐ **ROADWAY EMBANKMENT:** MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT
Ⓑ **COASTAL PLAIN:** MOIST, MEDIUM STIFF, LIGHT BROWN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

3:1 3:1
37.2
B1

COASTAL PLAIN: WET, STIFF, GRAY-ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

77 + 00.00

Ⓐ **ROADWAY EMBANKMENT:** MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT
Ⓑ **COASTAL PLAIN:** MOIST, MEDIUM STIFF, LIGHT BROWN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

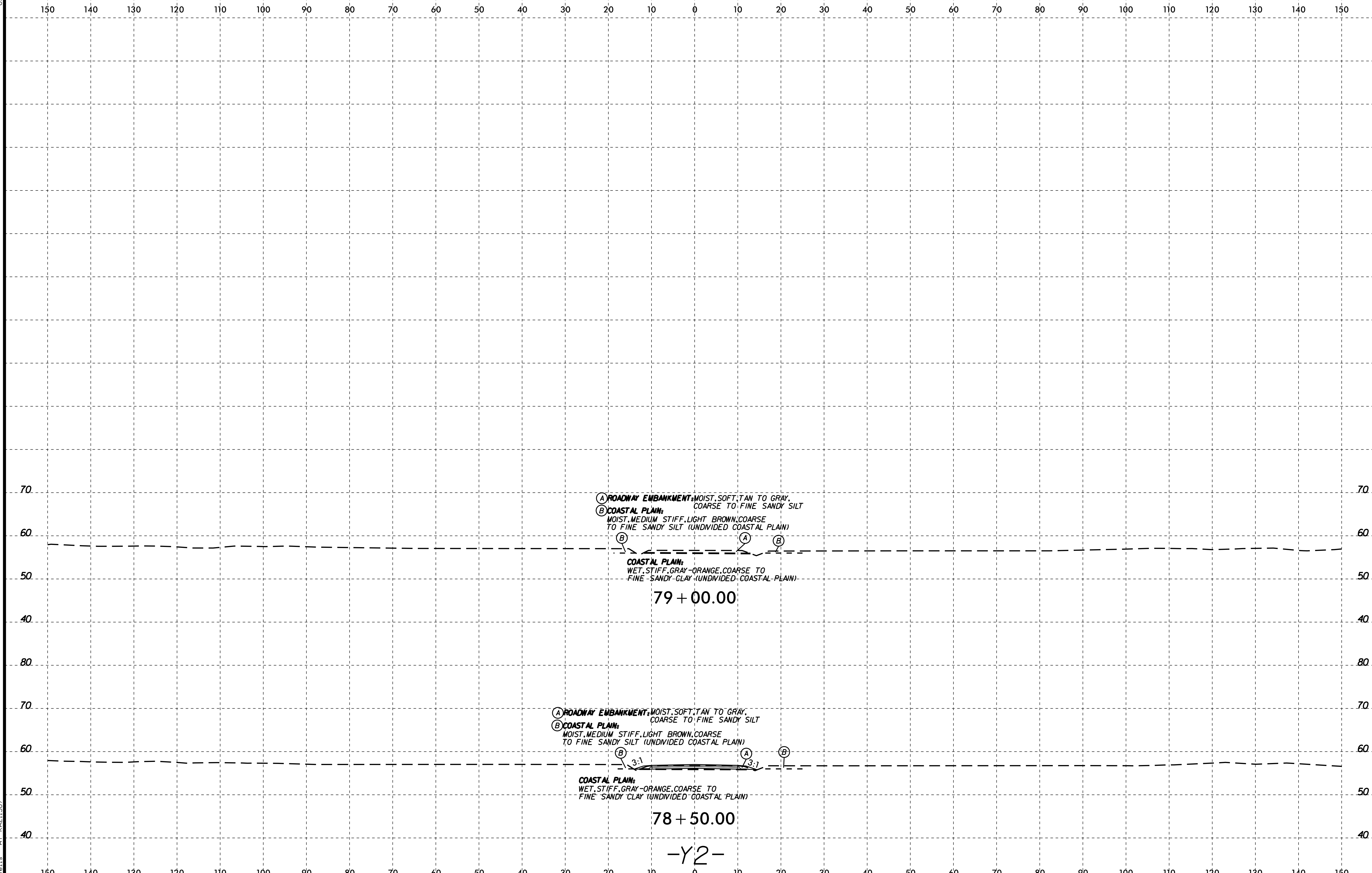
3:1 3:1

COASTAL PLAIN: WET, STIFF, GRAY-ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

76 + 50.00

-Y2-

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	216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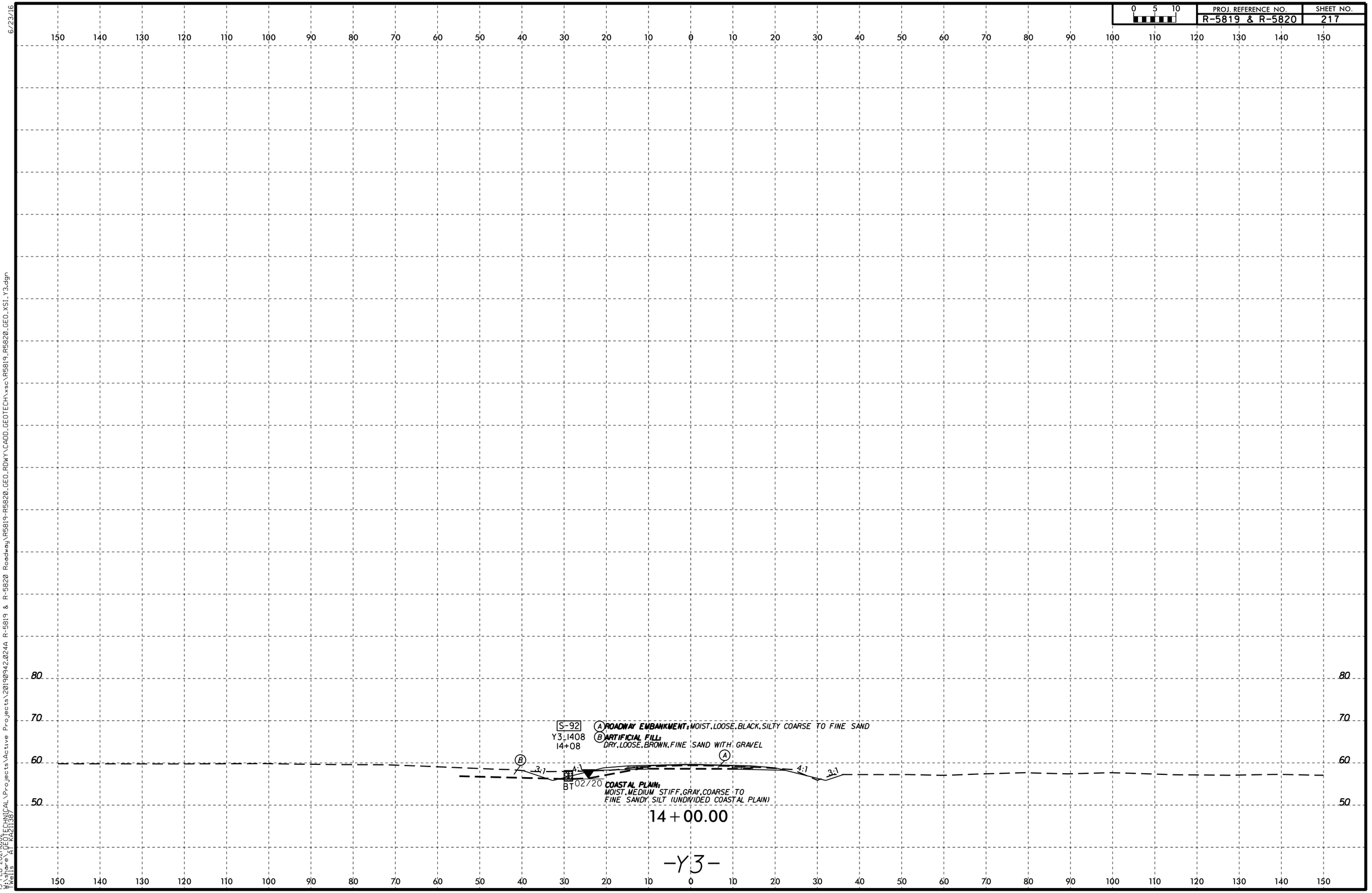
70
60
50
40
80
70
60
50
40
(A) ROADWAY EMBANKMENT: MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT
(B) COASTAL PLAIN: MOIST, MEDIUM STIFF, LIGHT BROWN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)
B
A
B
COASTAL PLAIN: WET, STIFF, GRAY-ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)
79 + 00.00
(A) ROADWAY EMBANKMENT: MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT
(B) COASTAL PLAIN: MOIST, MEDIUM STIFF, LIGHT BROWN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)
B
3:1
A
3:1
B
COASTAL PLAIN: WET, STIFF, GRAY-ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)
78 + 50.00
-Y2-

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	217



6/23/16

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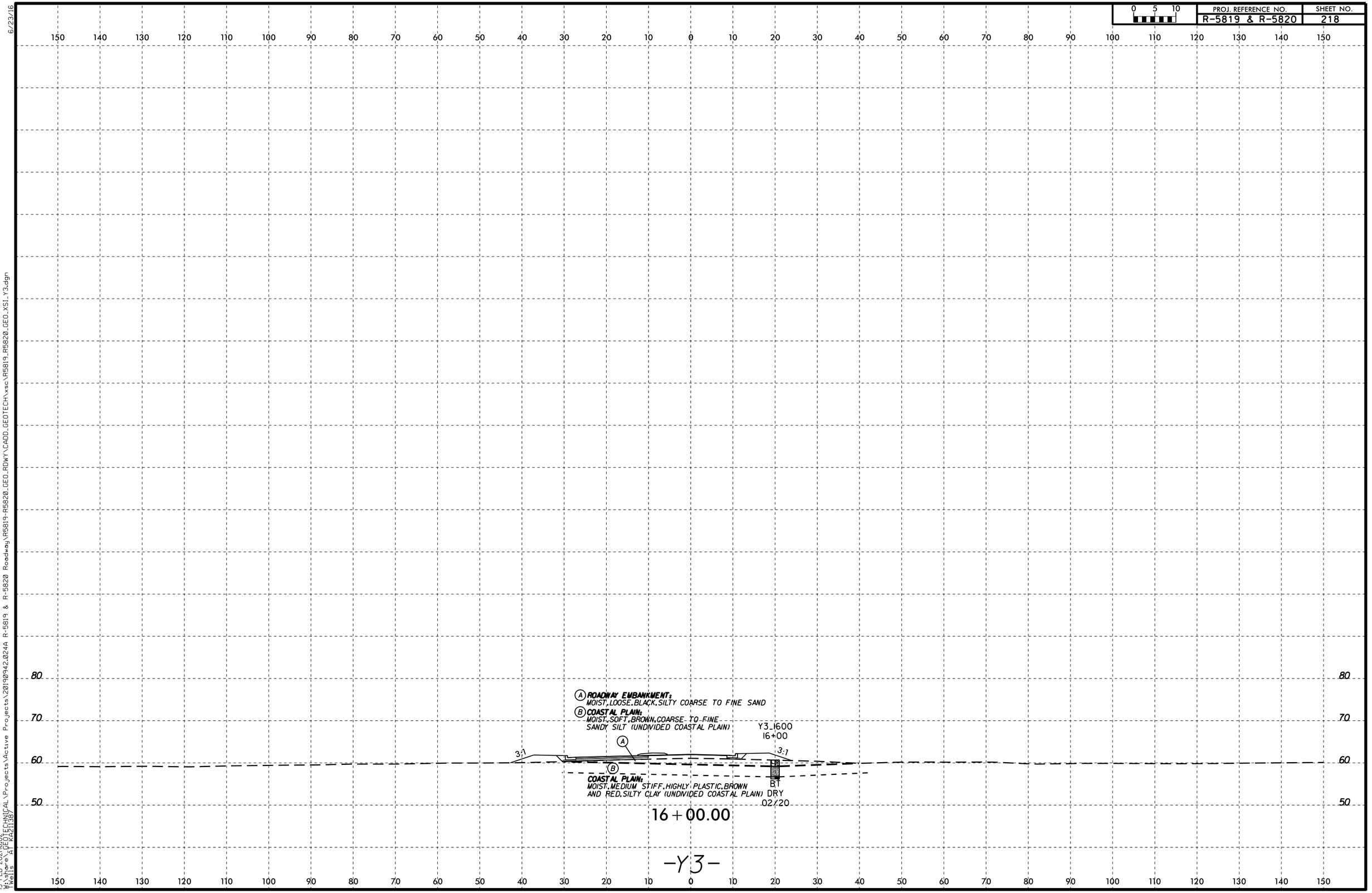
AT Wells

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	218



6/23/16

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AT Wells AT KAZI136

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	219

HILLCREST PLAZA DRIVEWAY

(A) **ROADWAY EMBANKMENT:** MOIST, LOOSE, BLACK, SILTY COARSE TO FINE SAND
(B) **COASTAL PLAIN:** MOIST, MEDIUM STIFF, GRAY AND BROWN, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

4:1 3:1

COASTAL PLAIN: WET, MEDIUM STIFF, HIGHLY PLASTIC, GRAY AND BROWN, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

19+50.00

BEGIN UNCLASSIFIED EXCAVATION - UNSUITABLE WASTE AT STA. 19+25

(A) **ROADWAY EMBANKMENT:** MOIST, LOOSE, BLACK, SILTY COARSE TO FINE SAND
(B) **COASTAL PLAIN:** MOIST, MEDIUM STIFF, GRAY AND BROWN, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

3:1 3:1

COASTAL PLAIN: WET, MEDIUM STIFF, HIGHLY PLASTIC, GRAY AND BROWN, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

19+00.00

(A) **ROADWAY EMBANKMENT:** MOIST, LOOSE, BLACK, SILTY COARSE TO FINE SAND
(B) **COASTAL PLAIN:** MOIST, MEDIUM STIFF, GRAY AND BROWN, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

3:1 3:1

COASTAL PLAIN: WET, MEDIUM STIFF, HIGHLY PLASTIC, GRAY AND BROWN, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

18+50.00

(A) **ROADWAY EMBANKMENT:** MOIST, LOOSE, BLACK, SILTY COARSE TO FINE SAND
(B) **COASTAL PLAIN:** MOIST, MEDIUM STIFF, GRAY AND BROWN, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

COASTAL PLAIN: WET, MEDIUM STIFF, HIGHLY PLASTIC, GRAY AND BROWN, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

18+00.00

-Y3-

150 140 130 120 110 100 90 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:** MOIST, LOOSE, BLACK, SILTY COARSE TO FINE SAND
Ⓑ **COASTAL PLAIN:** MOIST, MEDIUM STIFF, GRAY AND BROWN, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

3:1 4:1 4:1 3:1

COASTAL PLAIN: WET, MEDIUM STIFF, HIGHLY PLASTIC, GRAY AND BROWN, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

21+23.00

Ⓐ **ROADWAY EMBANKMENT:** MOIST, LOOSE, BLACK, SILTY COARSE TO FINE SAND
Ⓑ **COASTAL PLAIN:** MOIST, MEDIUM STIFF, GRAY AND BROWN, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

3:1 4:1 4:1 3:1

COASTAL PLAIN: WET, MEDIUM STIFF, HIGHLY PLASTIC, GRAY AND BROWN, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

21+00.00

HILLCREST PLAZA DRIVEWAY

Ⓐ **ROADWAY EMBANKMENT:** MOIST, LOOSE, BLACK, SILTY COARSE TO FINE SAND
Ⓑ **COASTAL PLAIN:** MOIST, MEDIUM STIFF, GRAY AND BROWN, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

4:1 3:1

COASTAL PLAIN: WET, MEDIUM STIFF, HIGHLY PLASTIC, GRAY AND BROWN, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

20+50.00

HILLCREST PLAZA DRIVEWAY

Ⓐ **ROADWAY EMBANKMENT:** MOIST, LOOSE, BLACK, SILTY COARSE TO FINE SAND
Ⓑ **COASTAL PLAIN:** MOIST, MEDIUM STIFF, GRAY AND BROWN, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

S-93
Y3_2000
20+00
4:1 4:1
02/20
BT

COASTAL PLAIN: WET, MEDIUM STIFF, HIGHLY PLASTIC, GRAY AND BROWN, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

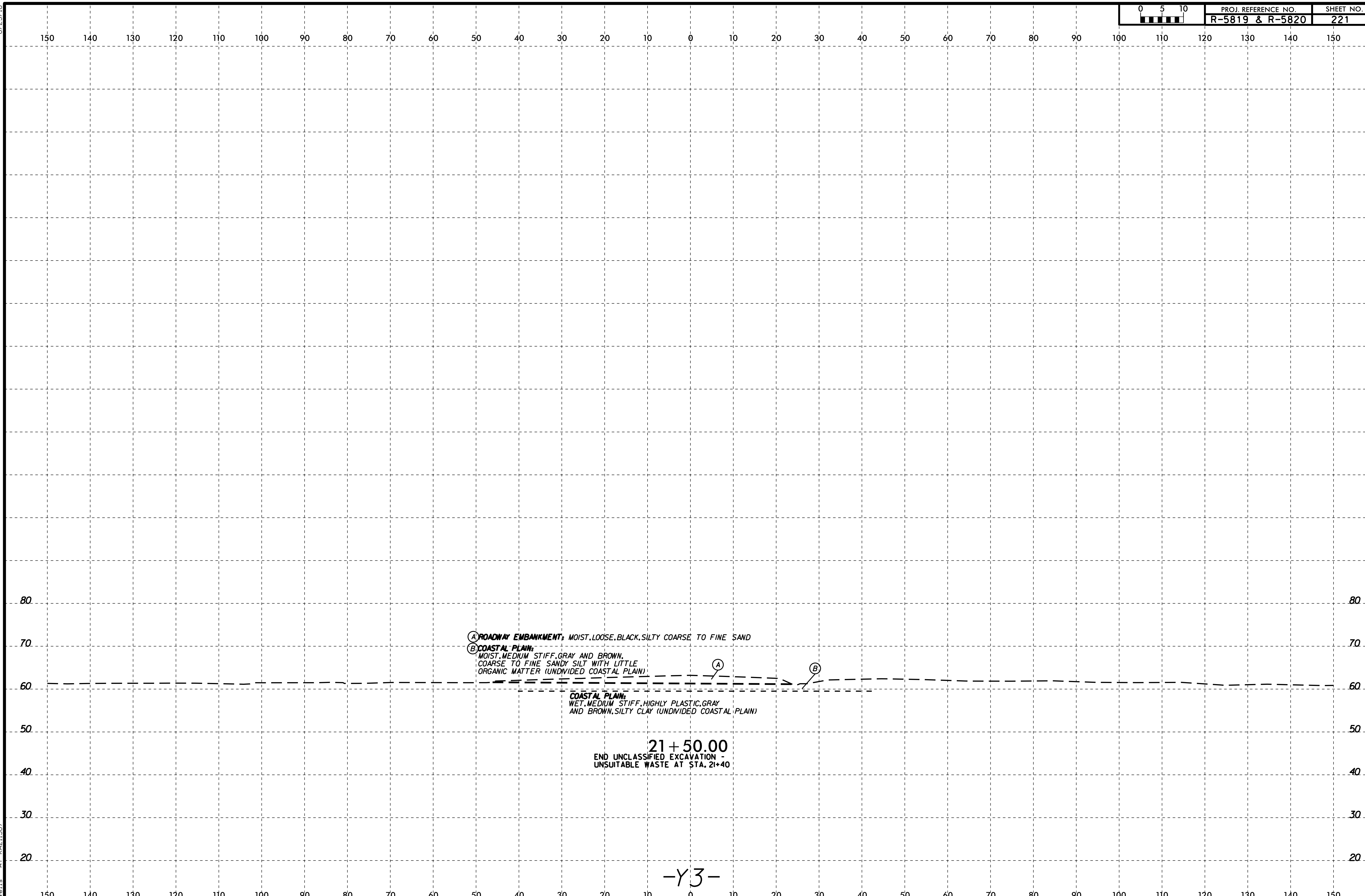
20+00.00

-Y3-

90 80 70 60 50

6/23/16

PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	221



0 5 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
80
70
60
50
40
30
20
Ⓐ ROADWAY EMBANKMENT: MOIST,LOOSE,BLACK,SILTY COARSE TO FINE SAND
Ⓑ COASTAL PLAIN:
MOIST,MEDIUM STIFF,GRAY AND BROWN,
COARSE TO FINE SANDY SILT WITH LITTLE
ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)
A
B
COASTAL PLAIN:
WET,MEDIUM STIFF,HIGHLY PLASTIC,GRAY
AND BROWN,SILTY CLAY (UNDIVIDED COASTAL PLAIN)
21+50.00
END UNCLASSIFIED EXCAVATION -
UNSUITABLE WASTE AT STA. 21+40
-Y3-

6/23/16

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TWells AT KA211387

150 140 130 120 110 100 90 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) **ROADWAY EMBANKMENT:** MOIST, MEDIUM DENSE, TAN, SAND WITH GRAVEL

(B) **COASTAL PLAIN:** SATURATED, MEDIUM STIFF, BROWN, CLAYEY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

3:1 3:1

COASTAL PLAIN: WET, STIFF, GRAY-ORANGE, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

12+00.00

(A) **ROADWAY EMBANKMENT:** MOIST, MEDIUM DENSE, TAN, SAND WITH GRAVEL

(B) **COASTAL PLAIN:** SATURATED, MEDIUM STIFF, BROWN, CLAYEY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

3:1 3:1

COASTAL PLAIN: WET, STIFF, GRAY-ORANGE, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

11+50.00

(A) **ROADWAY EMBANKMENT:** MOIST, MEDIUM DENSE, TAN, SAND WITH GRAVEL

(B) **COASTAL PLAIN:** SATURATED, MEDIUM STIFF, BROWN, CLAYEY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

3:1 3:1

COASTAL PLAIN: WET, STIFF, GRAY-ORANGE, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

11+00.00

(A) **ROADWAY EMBANKMENT:** MOIST, MEDIUM DENSE, TAN, SAND WITH GRAVEL

(B) **COASTAL PLAIN:** SATURATED, MEDIUM STIFF, BROWN, CLAYEY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

3:1 3:1

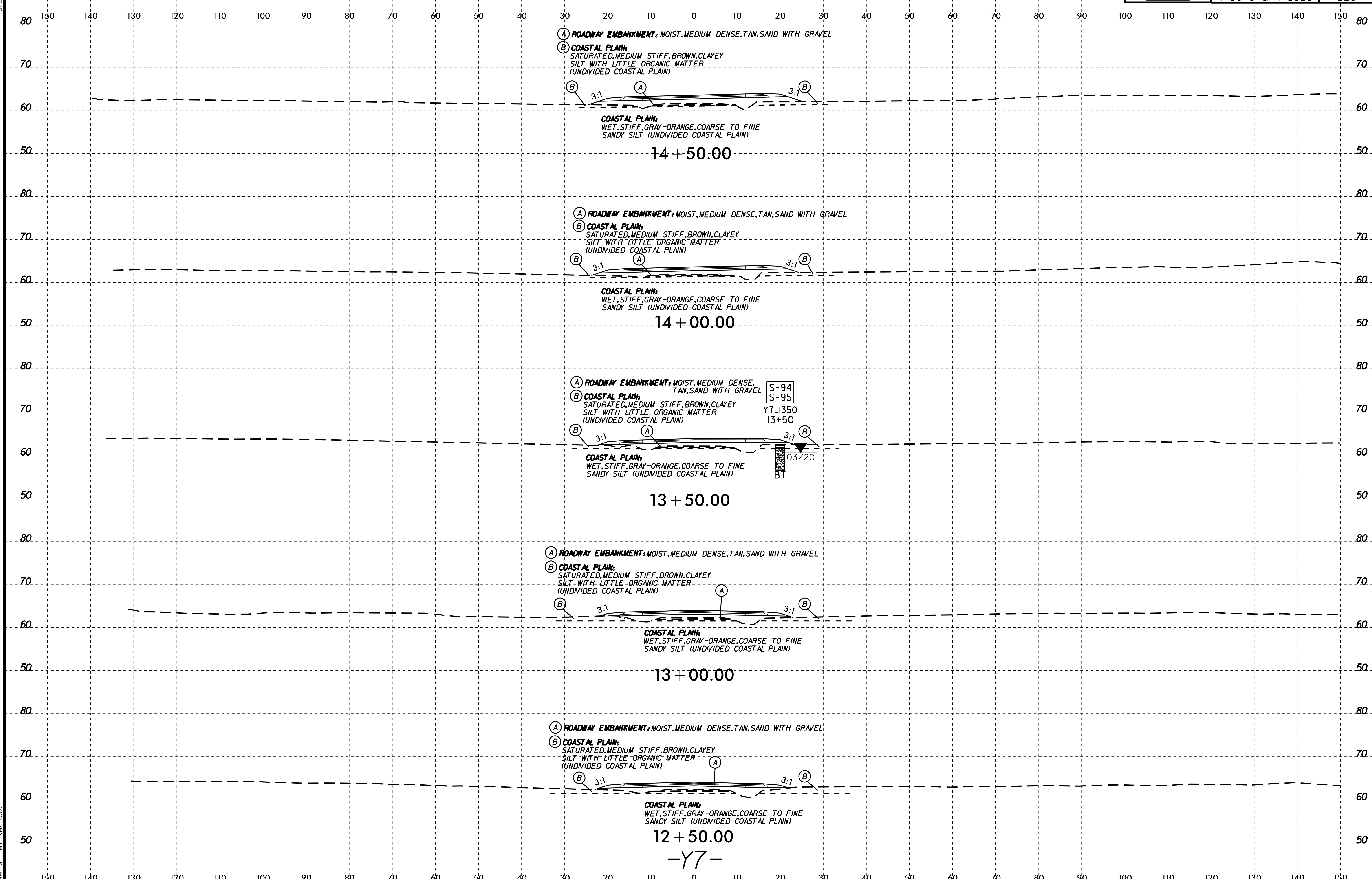
COASTAL PLAIN: WET, STIFF, GRAY-ORANGE, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

10+50.00

COASTAL PLAIN: WET, STIFF, GRAY-ORANGE, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

10+00.00

-Y7-



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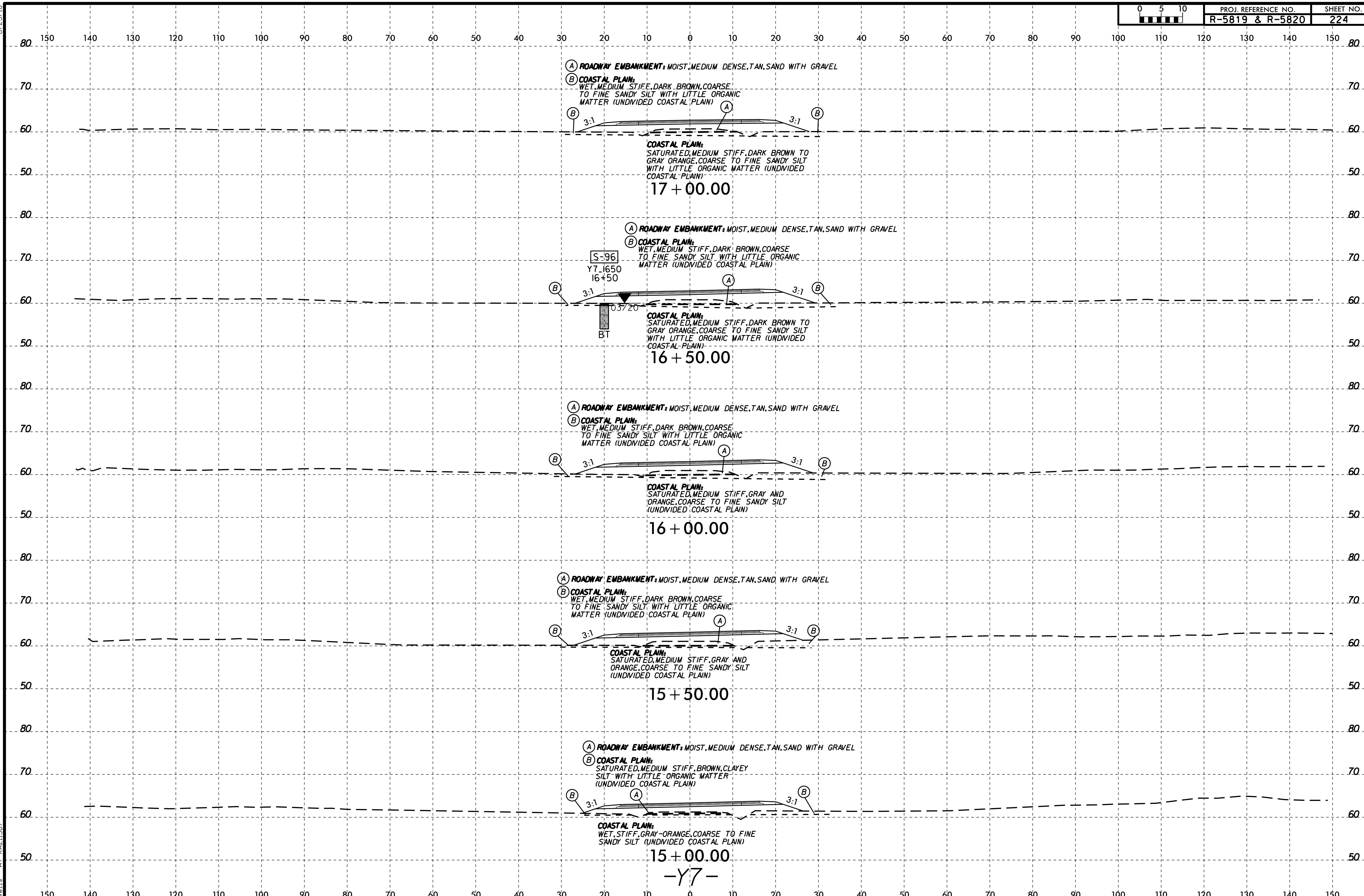
Wells AT KA211387

PROJ. REFERENCE NO. R-5819 & R-5820 | SHEET NO. 224



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T.Wells AT KA21387

150 140 130 120 110 100 90 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:** MOIST, MEDIUM DENSE, TAN, SAND WITH GRAVEL

Ⓑ **COASTAL PLAIN:** SATURATED, MEDIUM STIFF, HIGHLY PLASTIC, BROWN, SILTY CLAY WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

3:1 Ⓐ Ⓑ 3:1

COASTAL PLAIN: WET TO SATURATED, MEDIUM STIFF, DARK BROWN TO GRAY-ORANGE, COARSE TO FINE SANDY SILT WITH LITTLE TO NO ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

19 + 00.00

Ⓐ **ROADWAY EMBANKMENT:** MOIST, MEDIUM DENSE, TAN, SAND WITH GRAVEL

Ⓑ **COASTAL PLAIN:** SATURATED, MEDIUM STIFF, HIGHLY PLASTIC, BROWN, SILTY CLAY WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

Ⓑ 3:1 Ⓐ Ⓑ 3:1

COASTAL PLAIN: WET TO SATURATED, MEDIUM STIFF, DARK BROWN TO GRAY-ORANGE, COARSE TO FINE SANDY SILT WITH LITTLE TO NO ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

18 + 50.00

Ⓐ **ROADWAY EMBANKMENT:** MOIST, MEDIUM DENSE, TAN, SAND WITH GRAVEL

Ⓑ **COASTAL PLAIN:** WET, MEDIUM STIFF, DARK BROWN, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

Ⓑ 3:1 Ⓐ 3:1 Ⓑ

COASTAL PLAIN: SATURATED, MEDIUM STIFF, DARK BROWN TO GRAY ORANGE, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

18 + 00.00

Ⓐ **ROADWAY EMBANKMENT:** MOIST, MEDIUM DENSE, TAN, SAND WITH GRAVEL

Ⓑ **COASTAL PLAIN:** WET, MEDIUM STIFF, DARK BROWN, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

Ⓑ 3:1 Ⓐ 3:1 Ⓑ

COASTAL PLAIN: SATURATED, MEDIUM STIFF, DARK BROWN TO GRAY ORANGE, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

17 + 50.00

80 70 60 50 40

-Y7-

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

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

90 80 70 60 50

(A) **ROADWAY EMBANKMENT:** MOIST, MEDIUM DENSE, TAN, SAND WITH GRAVEL

(B) **COASTAL PLAIN:** MOIST, LOOSE TO MEDIUM DENSE, BROWN TO TAN, SILTY COARSE TO FINE SAND WITH TRACE ORGANIC MATTER TO FINE SAND (UNDIVIDED COASTAL PLAIN)

(B) 3:1 (A) 3:1 (B)

COASTAL PLAIN: WET TO SATURATED, MEDIUM STIFF, HIGHLY PLASTIC, BROWN TO GRAY-ORANGE, SILTY CLAY WITH LITTLE ORGANIC MATTER TO FINE TO COARSE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

20 + 50.00

(A) **ROADWAY EMBANKMENT:** MOIST, MEDIUM DENSE, TAN, SAND WITH GRAVEL

(B) **COASTAL PLAIN:** MOIST, LOOSE TO MEDIUM DENSE, BROWN TO TAN, SILTY COARSE TO FINE SAND WITH TRACE ORGANIC MATTER TO FINE SAND (UNDIVIDED COASTAL PLAIN)

(B) 3:1 (A) 3:1 (B)

COASTAL PLAIN: WET TO SATURATED, MEDIUM STIFF, HIGHLY PLASTIC, BROWN TO GRAY-ORANGE, SILTY CLAY WITH LITTLE ORGANIC MATTER TO FINE TO COARSE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

20 + 00.00

(A) **ROADWAY EMBANKMENT:** MOIST, MEDIUM DENSE, TAN, SAND WITH GRAVEL

(B) **COASTAL PLAIN:** SATURATED, MEDIUM STIFF, HIGHLY PLASTIC, BROWN, SILTY CLAY WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

S-97
S-98
Y7_I950
19+50

(B) 3:1 (A) 3:1 (B)

03-20
BT

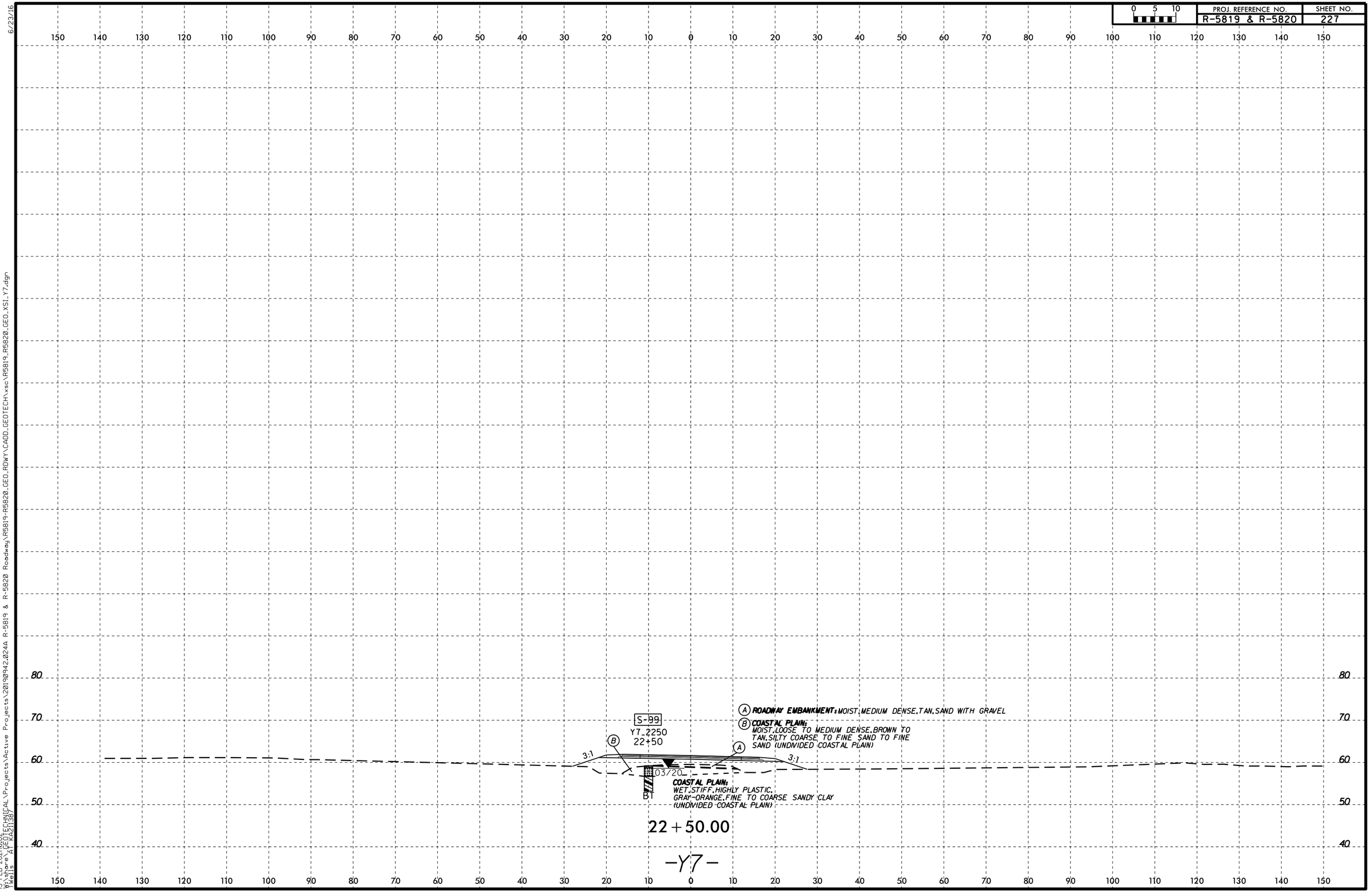
COASTAL PLAIN: MOIST, STIFF, GRAY-ORANGE, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

19 + 50.00

-Y7-

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

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	227



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80 70 60 50 40

25+00.00

Ⓐ **ROADWAY EMBANKMENT:** MOIST, MEDIUM DENSE, TAN, SAND WITH GRAVEL

Ⓑ **COASTAL PLAIN:** MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY SILT WITH TRACE OF ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

3:1 3:1

COASTAL PLAIN: MOIST, STIFF TO VERY STIFF, MODERATELY TO HIGHLY PLASTIC, GRAY-ORANGE, COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

24+50.00

Ⓐ **ROADWAY EMBANKMENT:** MOIST, MEDIUM DENSE, TAN, SAND WITH GRAVEL

Ⓑ **COASTAL PLAIN:** MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY SILT WITH TRACE OF ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

3:1 3:1

COASTAL PLAIN: MOIST, STIFF TO VERY STIFF, MODERATELY TO HIGHLY PLASTIC, GRAY-ORANGE, COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

24+00.00

Ⓐ **ROADWAY EMBANKMENT:** MOIST, MEDIUM DENSE, TAN, SAND WITH GRAVEL

3:1 3:1

COASTAL PLAIN: MOIST, STIFF TO VERY STIFF, MODERATELY TO HIGHLY PLASTIC, GRAY-ORANGE, COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

23+50.00

Ⓐ **ROADWAY EMBANKMENT:** MOIST, MEDIUM DENSE, TAN, SAND WITH GRAVEL

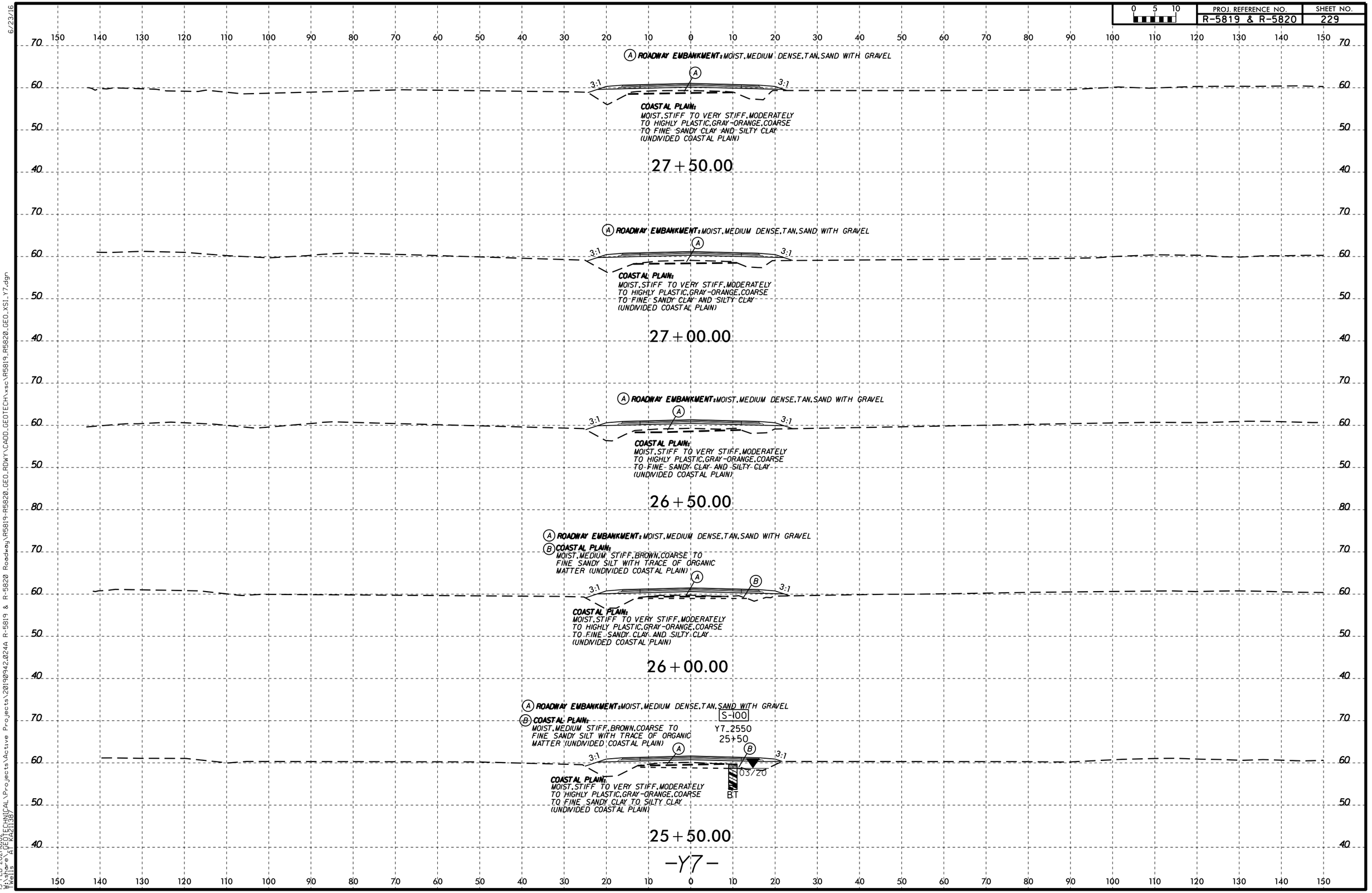
Ⓑ **COASTAL PLAIN:** MOIST, LOOSE TO MEDIUM DENSE, BROWN TO TAN, SILTY COARSE TO FINE SAND TO FINE SAND (UNDIVIDED COASTAL PLAIN)

3:1 3:1

COASTAL PLAIN: WET, STIFF, HIGHLY PLASTIC, GRAY-ORANGE, FINE TO COARSE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

23+00.00

-Y7-



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80 70 60 50 40

(A) **ROADWAY EMBANKMENT:** MOIST, MEDIUM DENSE, TAN, SAND WITH GRAVEL
(B) **COASTAL PLAIN:** MEDIUM DENSE TO LOOSE, BROWN TO TAN, SILTY COARSE TO FINE SAND (UNDIVIDED COASTAL PLAIN)

3:1 3:1

COASTAL PLAIN: MOIST, STIFF TO VERY STIFF, MODERATELY TO HIGHLY PLASTIC, GRAY-ORANGE, COARSE TO FINE SANDY CLAY AND SILTY CLAY (UNDIVIDED COASTAL PLAIN)

29 + 50.00

(A) **ROADWAY EMBANKMENT:** MOIST, MEDIUM DENSE, TAN, SAND WITH GRAVEL
(B) **COASTAL PLAIN:** MOIST, MEDIUM DENSE TO LOOSE, BROWN TO TAN, SILTY COARSE TO FINE SAND (UNDIVIDED COASTAL PLAIN)

3:1 3:1

COASTAL PLAIN: MOIST, STIFF TO VERY STIFF, MODERATELY TO HIGHLY PLASTIC, GRAY-ORANGE, COARSE TO FINE SANDY CLAY AND SILTY CLAY (UNDIVIDED COASTAL PLAIN)

29 + 00.00

S-101
S-102
Y7_2850
28+50

(A) **ROADWAY EMBANKMENT:** MOIST, MEDIUM DENSE, TAN, SAND WITH GRAVEL
(B) **COASTAL PLAIN:** MOIST, LOOSE, BROWN, SILTY COARSE TO FINE SAND WITH TRACE OF ORGANIC MATTER AND TRACE GRAVEL (UNDIVIDED COASTAL PLAIN)

3:1 3:1

03/20
BT

COASTAL PLAIN: MOIST, STIFF TO VERY STIFF, MODERATELY TO HIGHLY PLASTIC, GRAY-ORANGE, COARSE TO FINE SANDY CLAY AND SILTY CLAY (UNDIVIDED COASTAL PLAIN)

28 + 50.00

(A) **ROADWAY EMBANKMENT:** MOIST, MEDIUM DENSE, TAN, SAND WITH GRAVEL

3:1 3:1

COASTAL PLAIN: MOIST, STIFF TO VERY STIFF, MODERATELY TO HIGHLY PLASTIC, GRAY-ORANGE, COARSE TO FINE SANDY CLAY AND SILTY CLAY (UNDIVIDED COASTAL PLAIN)

28 + 00.00

-Y7-

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
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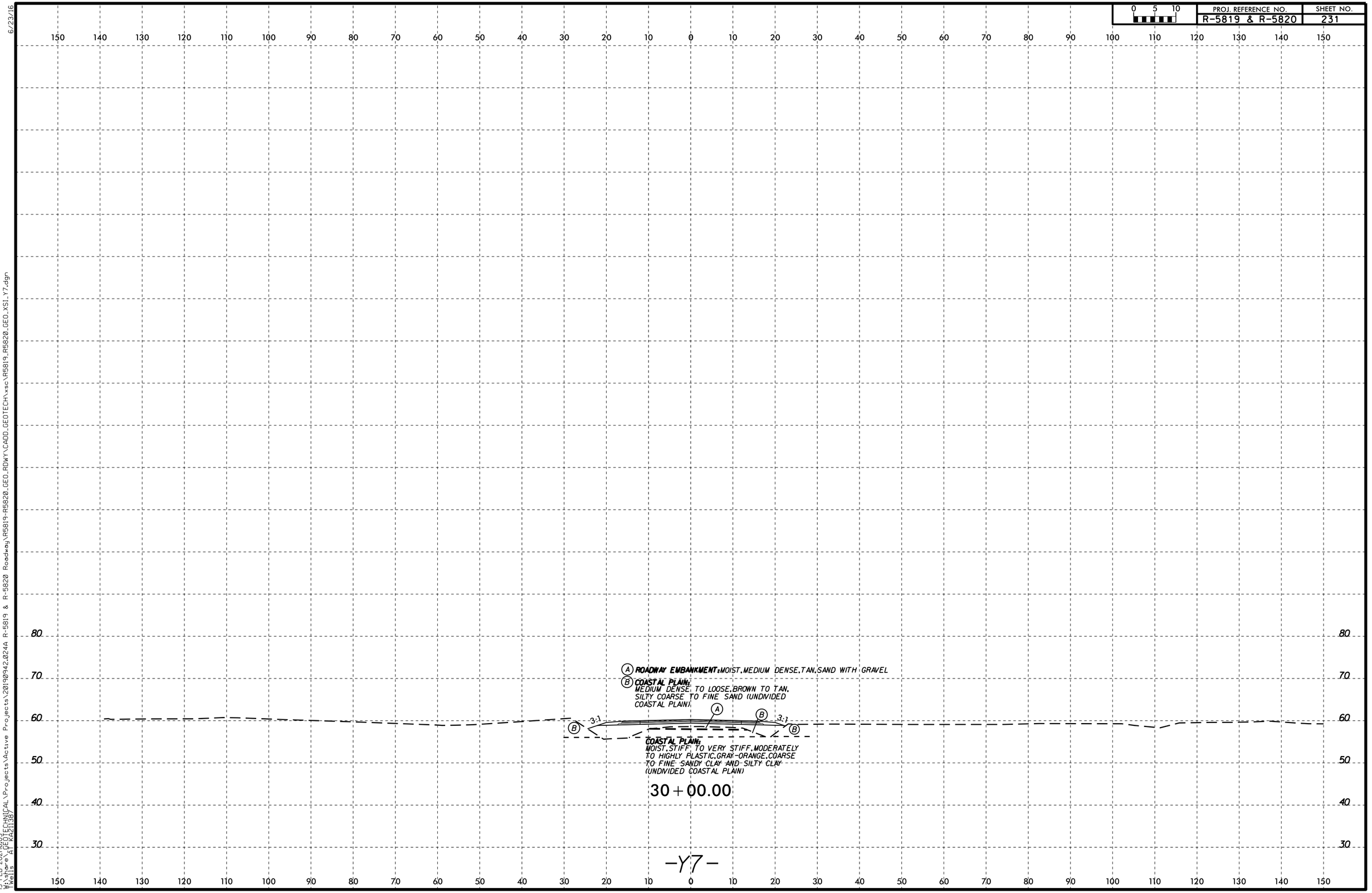

6/23/16

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AT Wells AT KAZ1138

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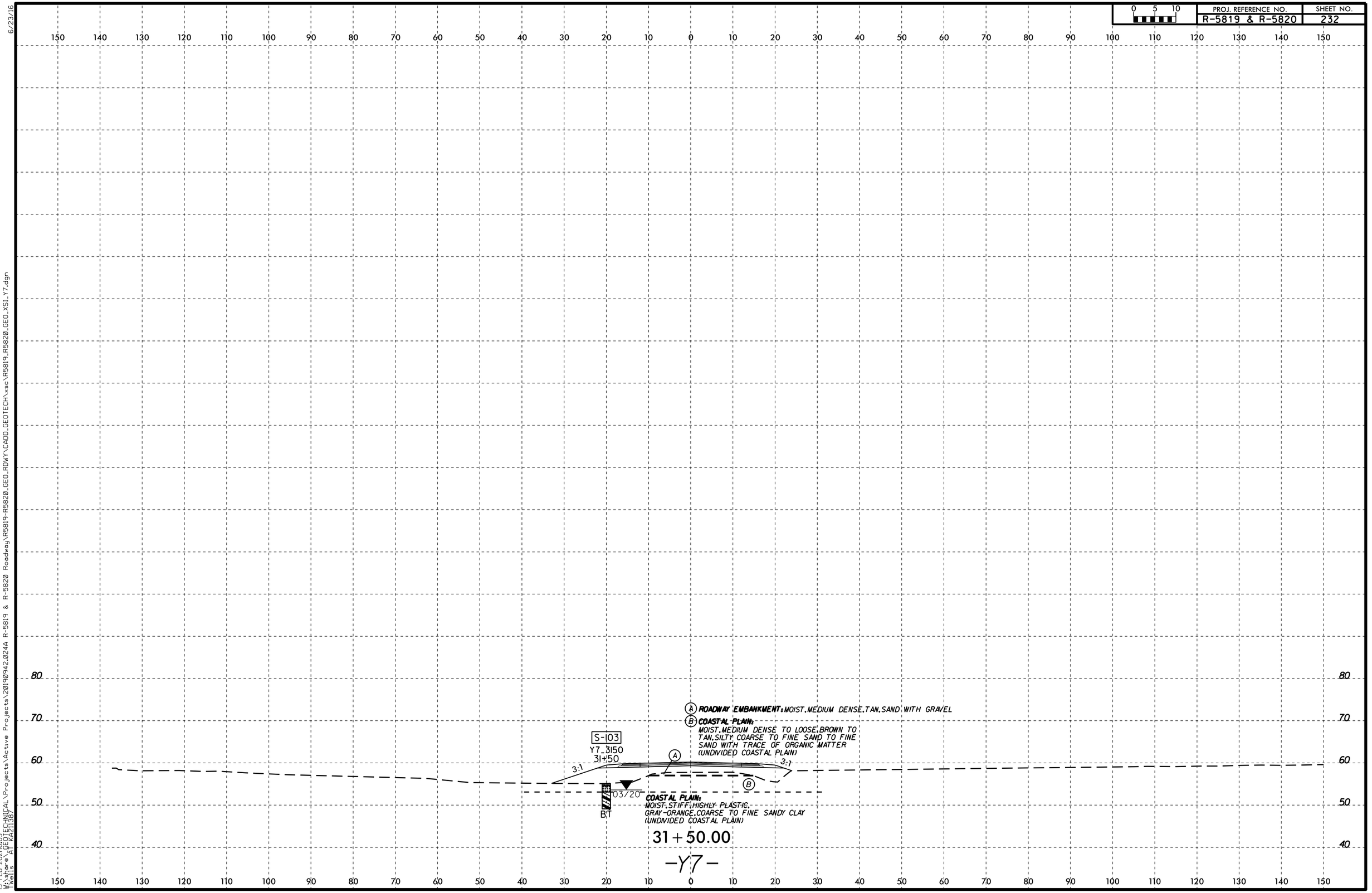

6/23/16

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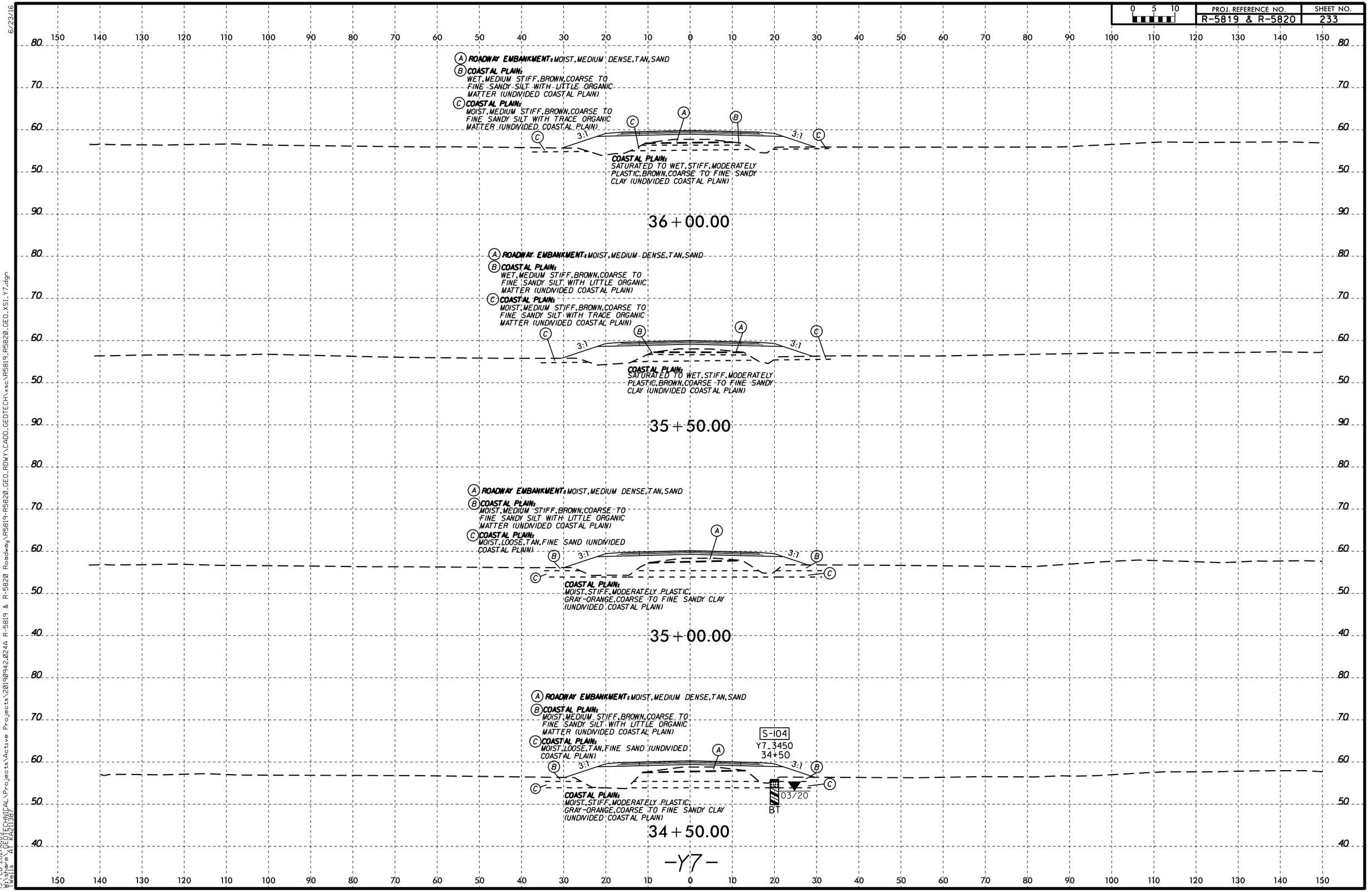
AT Wells



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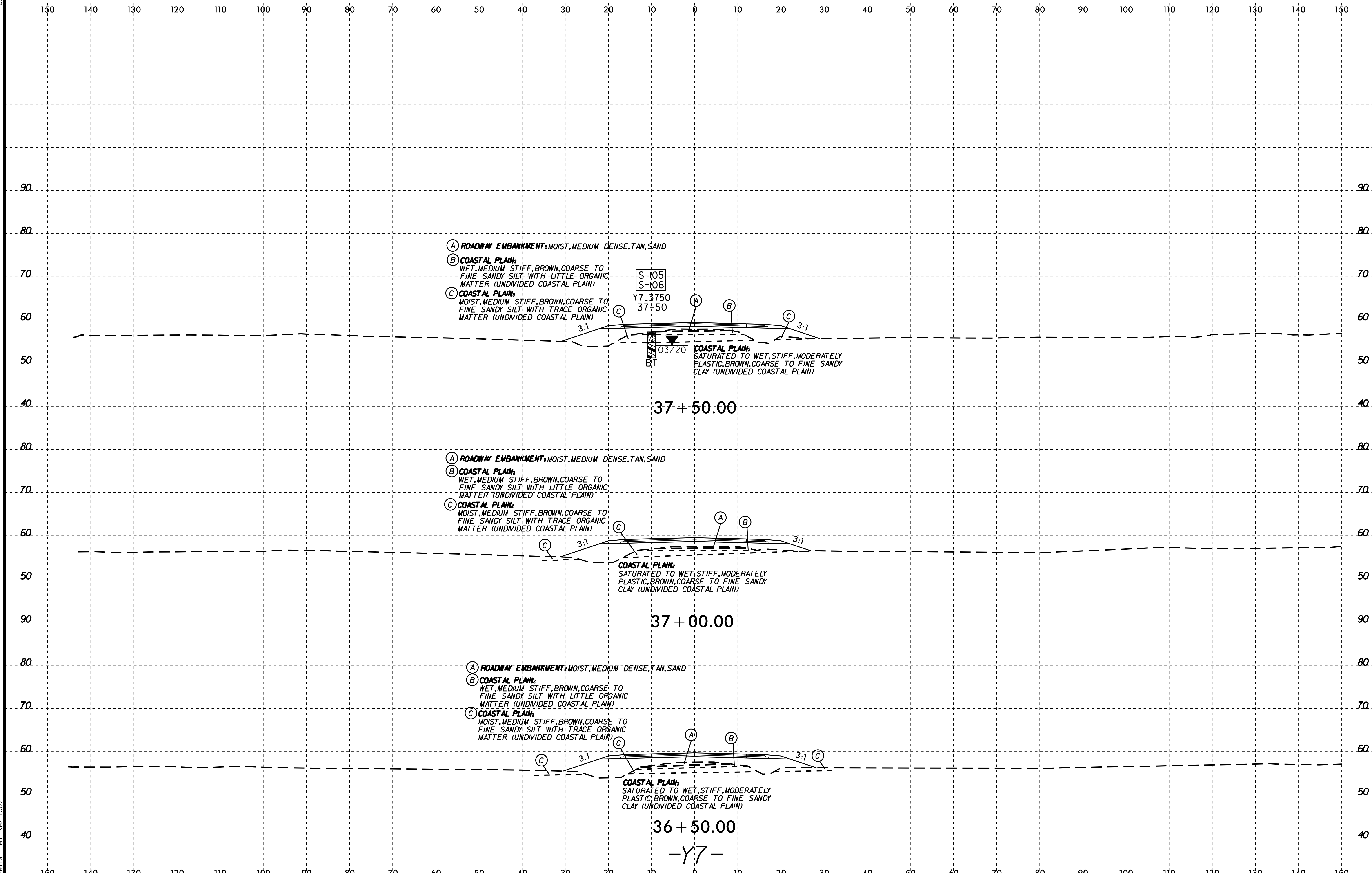

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80 70 60 50 40 90

(A) **ROADWAY EMBANKMENT:** MOIST, MEDIUM DENSE, TAN, SAND

(B) **COASTAL PLAIN:** MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY SILT WITH TRACE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

3:1 3:1

COASTAL PLAIN: SATURATED TO WET, STIFF, MODERATELY PLASTIC, MODERATELY ORGANIC, BROWN, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

39+00.00

(A) **ROADWAY EMBANKMENT:** MOIST, MEDIUM DENSE, TAN, SAND

(B) **COASTAL PLAIN:** WET, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

(C) **COASTAL PLAIN:** MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY SILT WITH TRACE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

3:1 3:1

COASTAL PLAIN: SATURATED TO WET, STIFF, MODERATELY PLASTIC, MODERATELY ORGANIC, BROWN, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

38+50.00

(A) **ROADWAY EMBANKMENT:** MOIST, MEDIUM DENSE, TAN, SAND

(B) **COASTAL PLAIN:** WET, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

(C) **COASTAL PLAIN:** MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY SILT WITH TRACE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

3:1 3:1

COASTAL PLAIN: SATURATED TO WET, STIFF, MODERATELY PLASTIC, MODERATELY ORGANIC, BROWN, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

38+00.00

-Y7-

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6/23/16

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Wells AT KAZ1136

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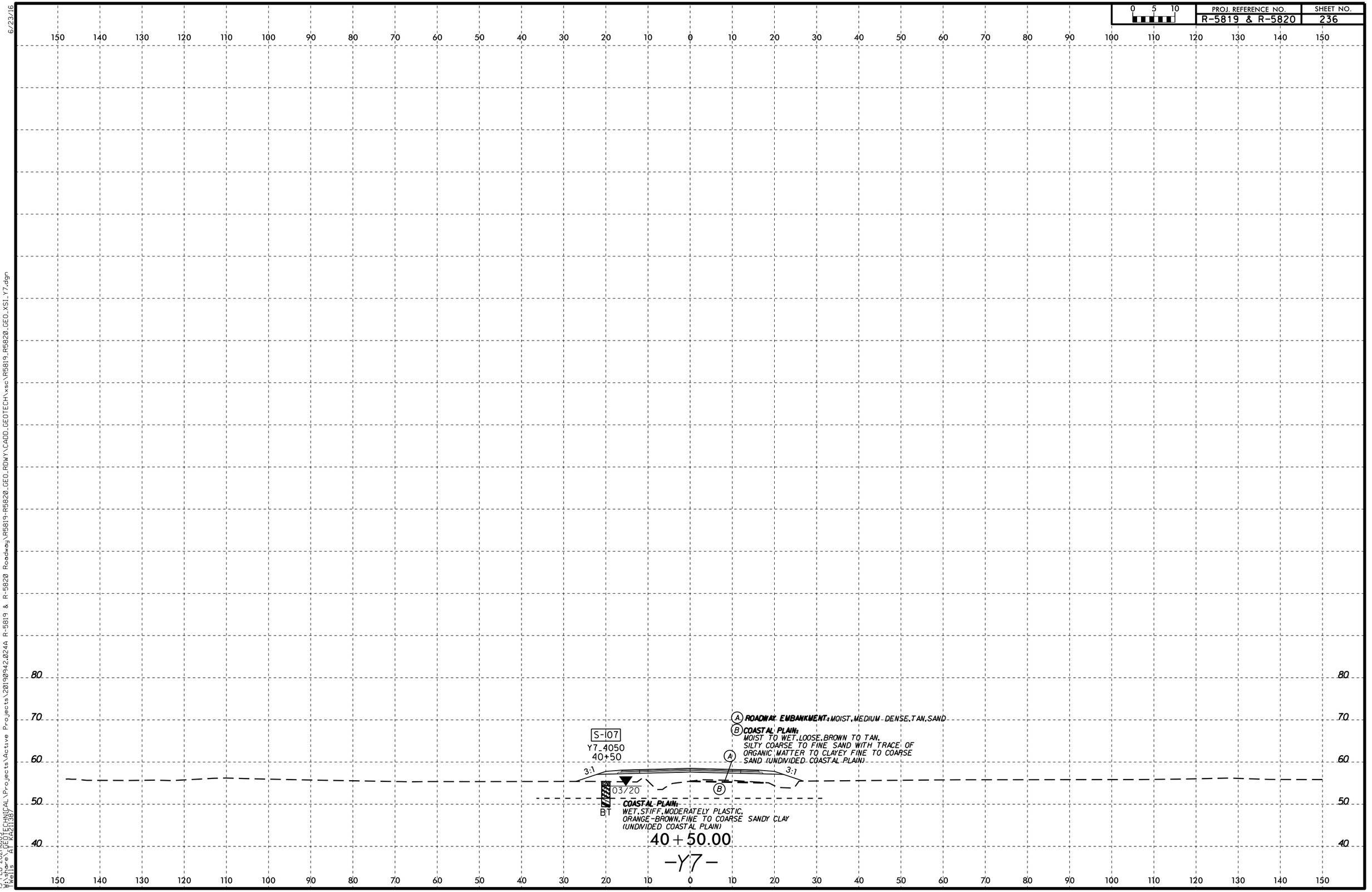

6/23/16

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AT Wells AT KAZ1136

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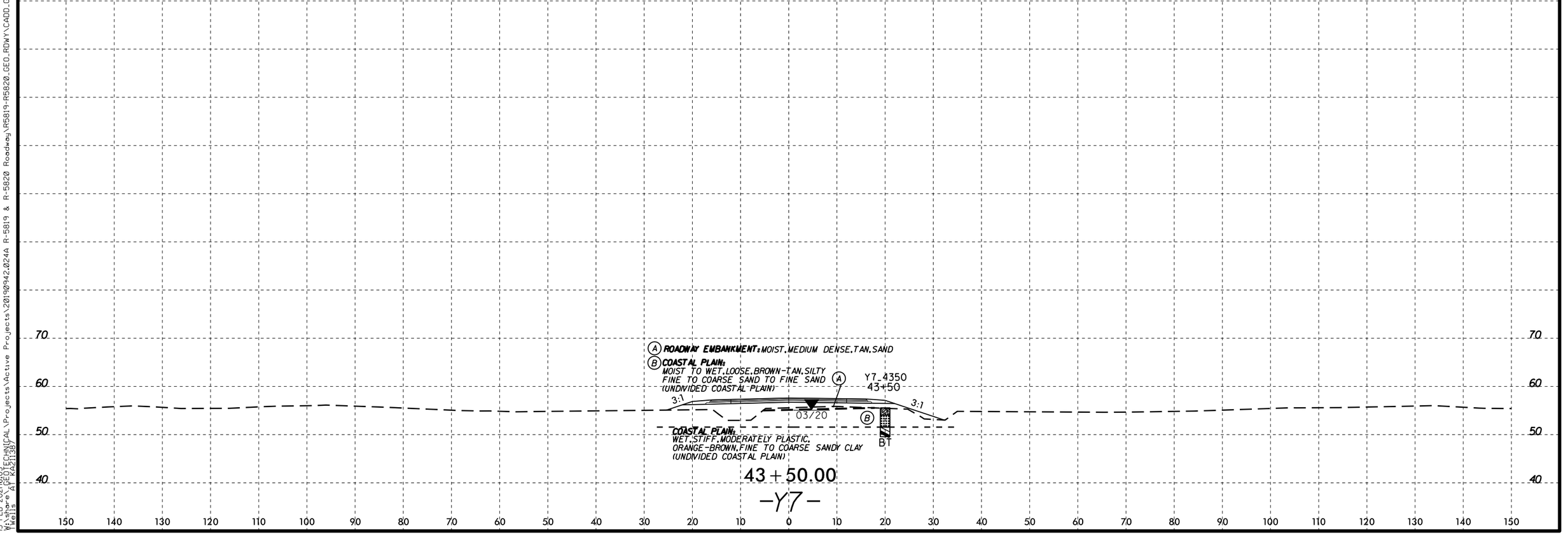

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Wells AT KAZ1136

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	238

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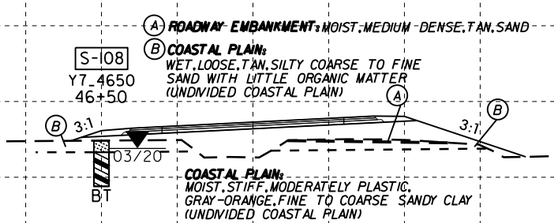
80 70 60 50 40



46+50.00

-Y7-

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6/23/16

15-FEB-2021 16:03
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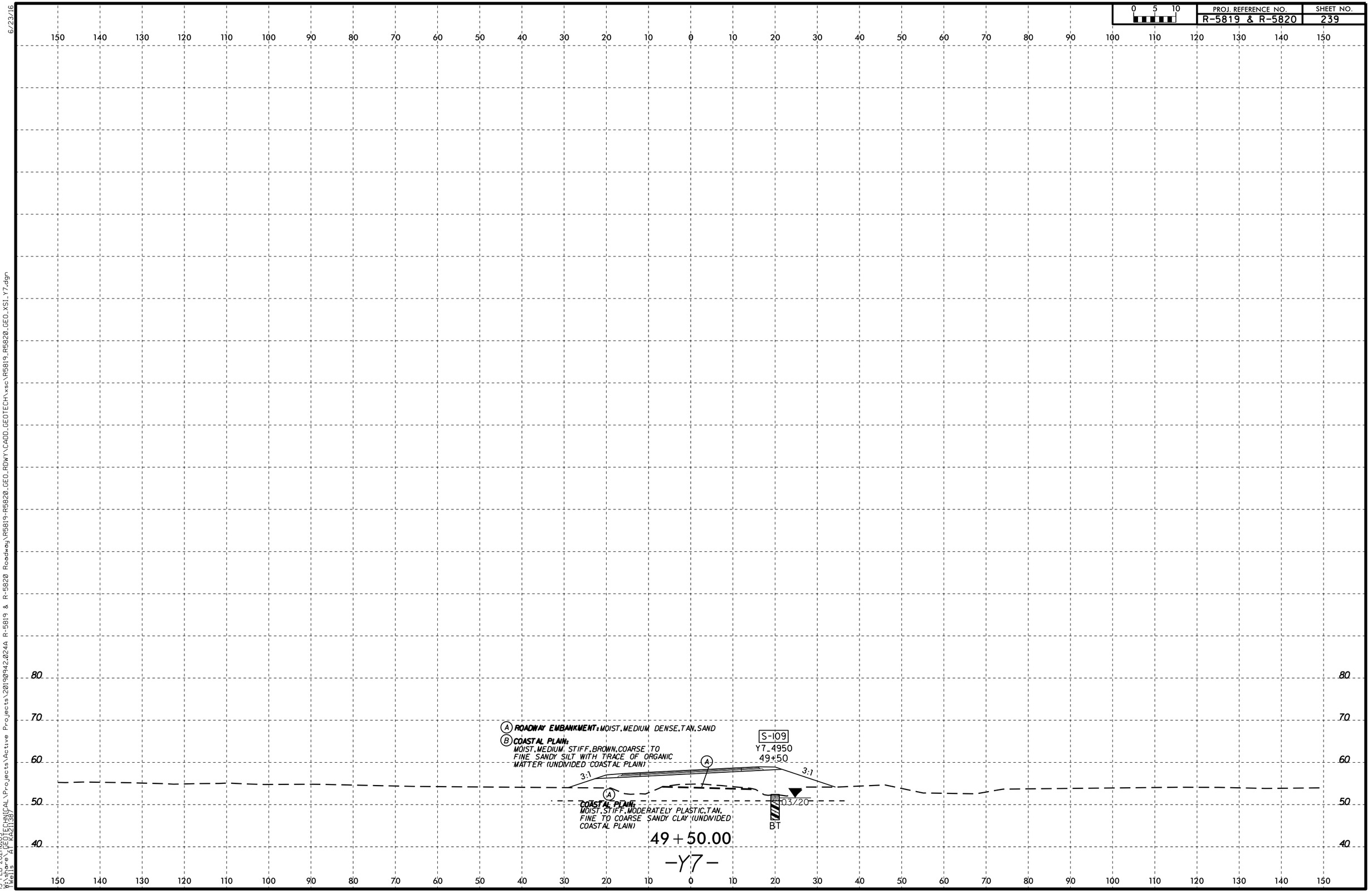
Wells AT KA21387

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	239



6/23/16

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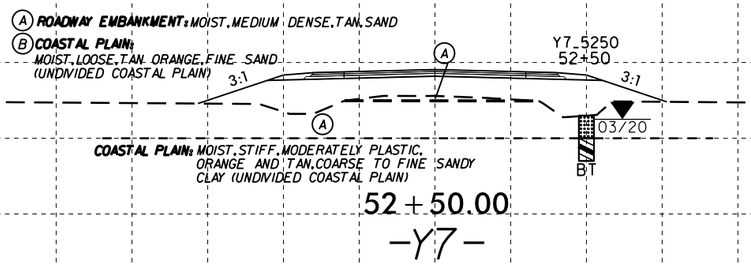
Wells AT KAZ1136

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	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



52+50.00

-Y7-

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

15-FEB-2021|6:03
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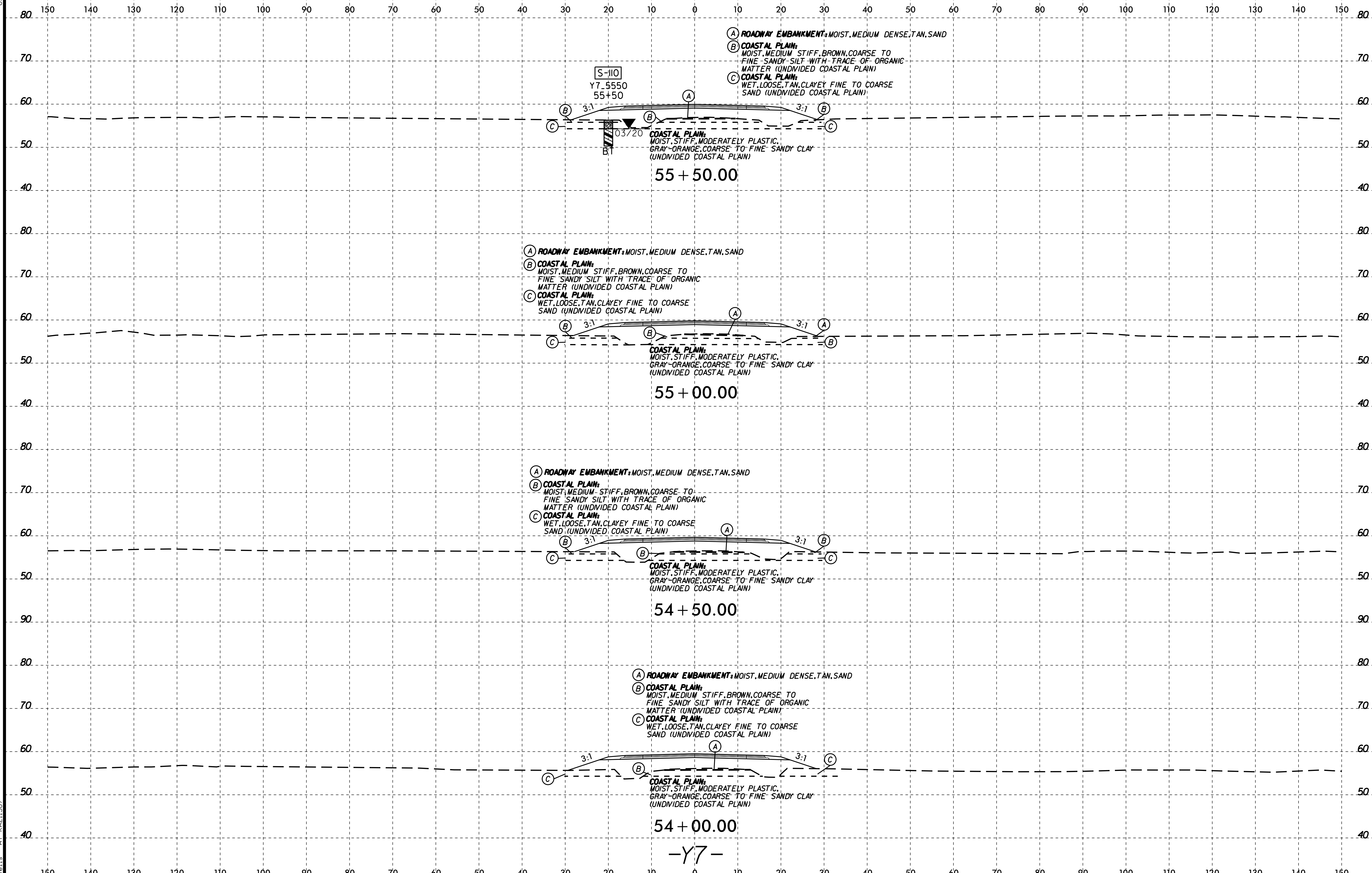
Wells AT KAZ1136



6/23/16

15-FEB-2021 16:03
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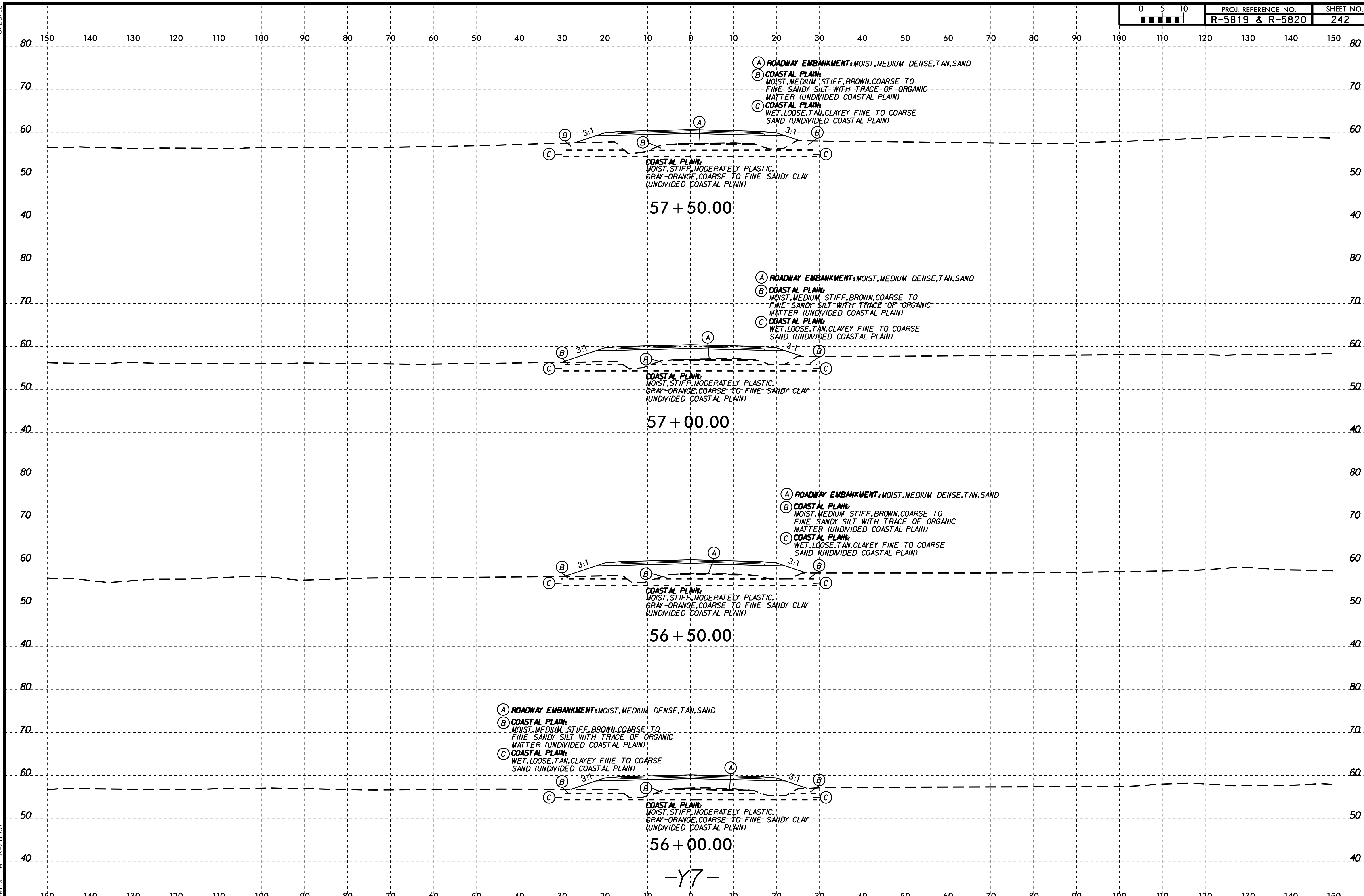
tWells AT KA211387

PROJ. REFERENCE NO. R-5819 & R-5820

SHEET NO. 242



6/23/16

15-FEB-2021 16:03
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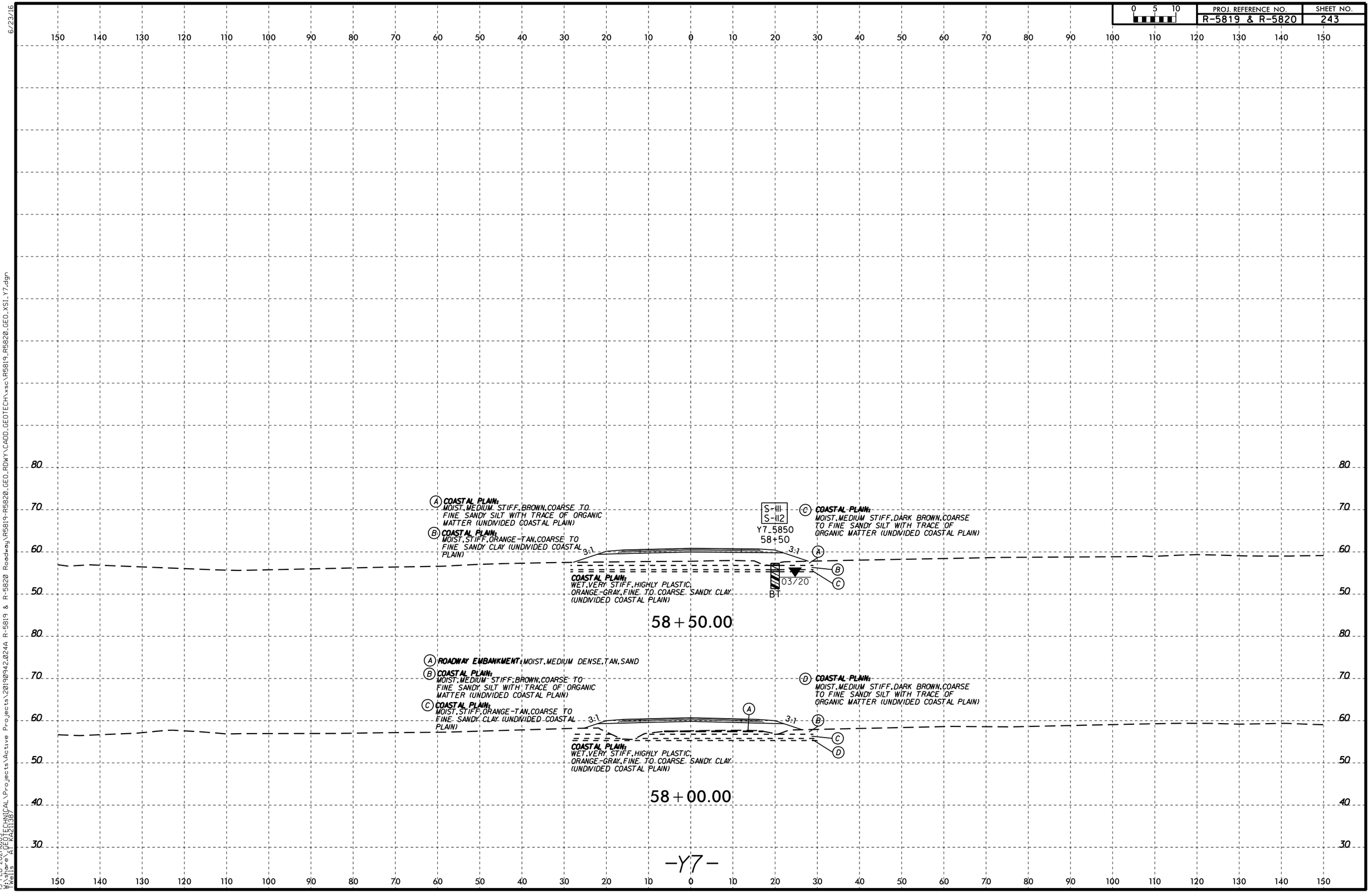
Twells AT KA211387

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	243



6/23/16

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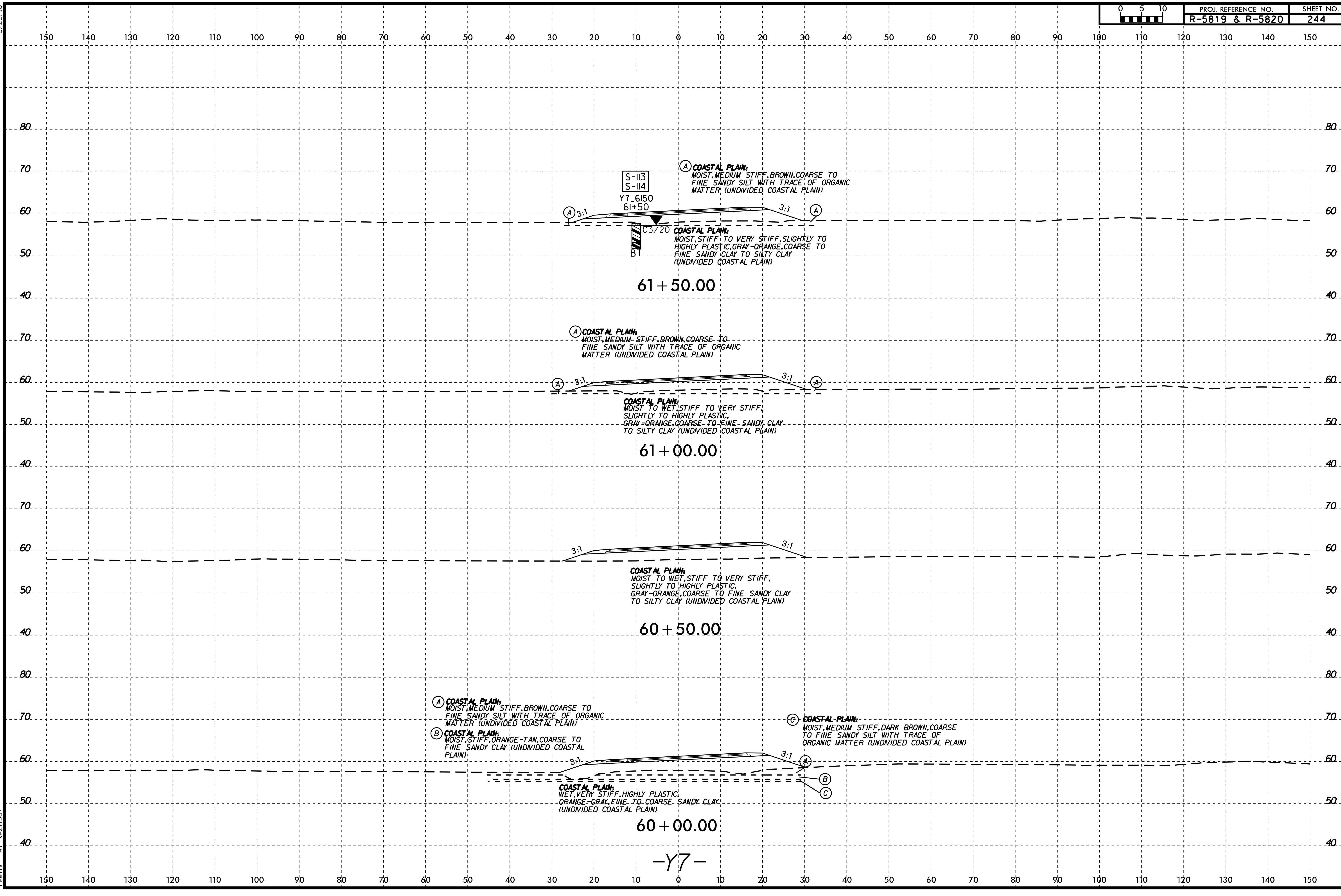
Wells AT KAZ1136

PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	244



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15-FEB-2021 16:03
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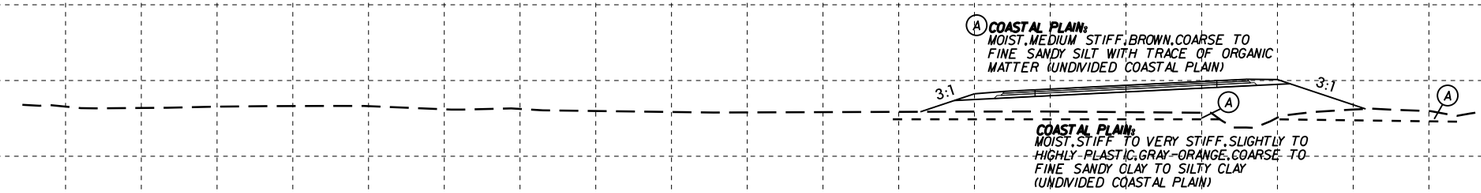
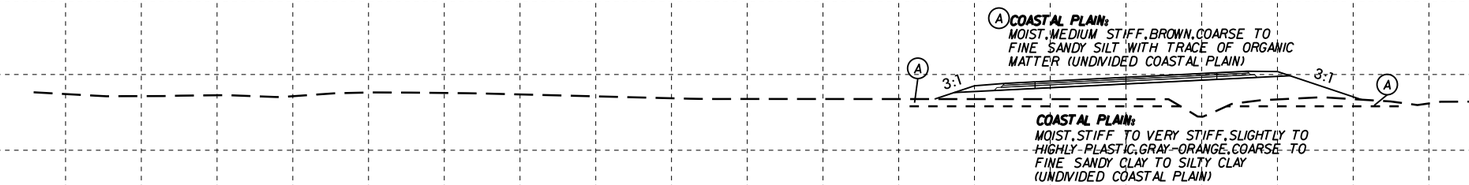
T.Wells AT KA211387

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

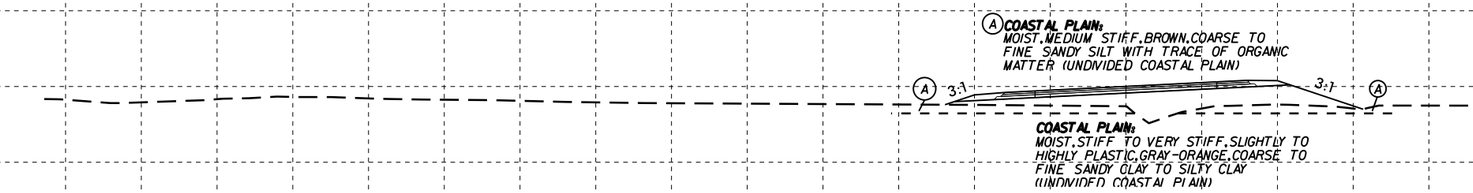
80 70 60 50 40



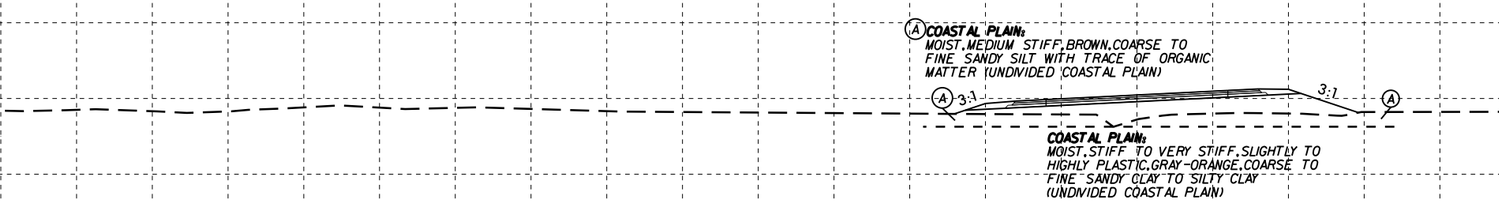
63+50.00



63+00.00

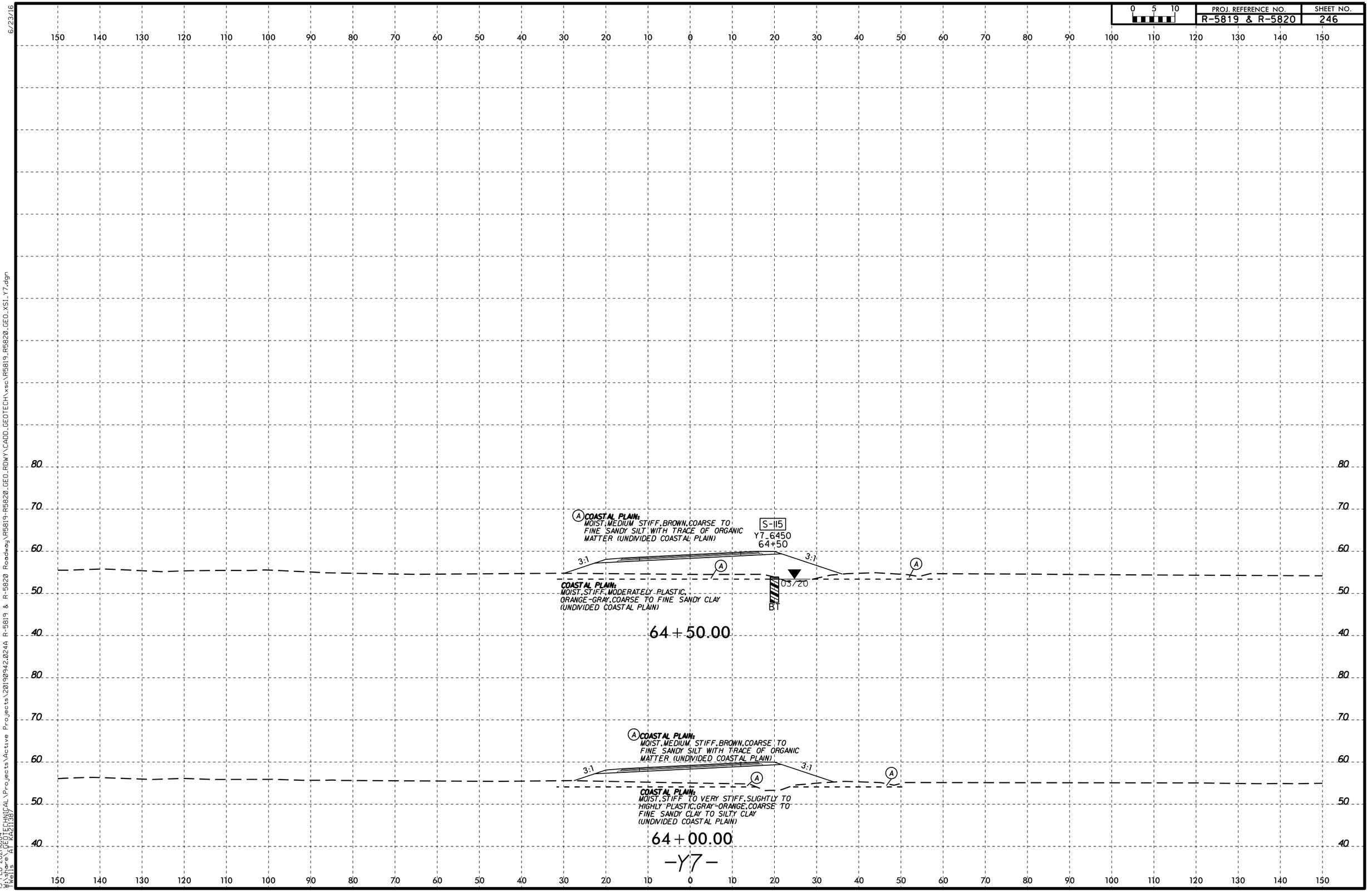


62+50.00



62+00.00

-Y7-



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Wells AT KAZITIS

150 140 130 120 110 100 90 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

Ⓐ **COASTAL PLAIN:**
WET, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

3:1 3:1

Ⓐ **COASTAL PLAIN:**
MOIST, STIFF TO VERY STIFF, MODERATELY TO HIGHLY PLASTIC, ORANGE-GRAY, COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

68+00.00

S-116
Y7_6750
67+50

Ⓐ **COASTAL PLAIN:**
WET, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

3:1 3:1

03/20

Ⓐ **COASTAL PLAIN:**
MOIST, STIFF TO VERY STIFF, MODERATELY TO HIGHLY PLASTIC, ORANGE-GRAY, COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

BT

67+50.00

Ⓐ **COASTAL PLAIN:**
WET, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

3:1 3:1

COASTAL PLAIN:
MOIST, STIFF TO VERY STIFF, MODERATELY TO HIGHLY PLASTIC, ORANGE-GRAY, COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

67+00.00

3:1 3:1

COASTAL PLAIN:
MOIST, STIFF, MODERATELY PLASTIC, ORANGE-GRAY, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

66+50.00

-Y7-

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	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

80 70 60 50 40

A COASTAL PLAIN:
MOIST, MEDIUM STIFF, DARK BROWN, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

B COASTAL PLAIN:
MOIST, LOOSE, TAN, CLAYEY COARSE TO FINE SAND (UNDIVIDED COASTAL PLAIN)

3:1 3:1 A B

COASTAL PLAIN:
MOIST, STIFF TO VERY STIFF, MODERATELY TO HIGHLY PLASTIC, GRAY-ORANGE, COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

70+00.00

A COASTAL PLAIN:
MOIST, MEDIUM STIFF, DARK BROWN, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

B COASTAL PLAIN:
MOIST, LOOSE, TAN, CLAYEY COARSE TO FINE SAND (UNDIVIDED COASTAL PLAIN)

3:1 3:1 A B

COASTAL PLAIN:
MOIST, STIFF TO VERY STIFF, MODERATELY TO HIGHLY PLASTIC, GRAY-ORANGE, COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

69+50.00

A COASTAL PLAIN:
WET, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

3:1 3:1 A

COASTAL PLAIN:
MOIST, STIFF TO VERY STIFF, MODERATELY TO HIGHLY PLASTIC, ORANGE-GRAY, COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

69+00.00

A COASTAL PLAIN:
WET, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

3:1 3:1 A

COASTAL PLAIN:
MOIST, STIFF TO VERY STIFF, MODERATELY TO HIGHLY PLASTIC, ORANGE-GRAY, COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

68+50.00

-Y7-

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

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	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

80 70 60 50 40

72+00.00

(A) **COASTAL PLAIN:** MOIST, MEDIUM STIFF, DARK BROWN, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

(B) **COASTAL PLAIN:** MOIST, LOOSE, TAN, CLAYEY COARSE TO FINE SAND (UNDIVIDED COASTAL PLAIN)

3:1 (A) 3:1 (B)

COASTAL PLAIN: MOIST, STIFF TO VERY STIFF, MODERATELY TO HIGHLY PLASTIC, GRAY-ORANGE, COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

71+50.00

(A) **COASTAL PLAIN:** MOIST, MEDIUM STIFF, DARK BROWN, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

(B) **COASTAL PLAIN:** MOIST, LOOSE, TAN, CLAYEY COARSE TO FINE SAND (UNDIVIDED COASTAL PLAIN)

3:1 (A) 3:1 (B)

COASTAL PLAIN: MOIST, STIFF TO VERY STIFF, MODERATELY TO HIGHLY PLASTIC, GRAY-ORANGE, COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

71+00.00

(A) **COASTAL PLAIN:** MOIST, MEDIUM STIFF, DARK BROWN, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

S-117
Y7_7050
70+50

(B) **COASTAL PLAIN:** MOIST, LOOSE, TAN, CLAYEY COARSE TO FINE SAND (UNDIVIDED COASTAL PLAIN)

3:1 (A) 3:1 (B)

COASTAL PLAIN: MOIST, STIFF TO VERY STIFF, MODERATELY TO HIGHLY PLASTIC, GRAY-ORANGE, COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

03/20
B-1

70+50.00

-Y7-

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

6/23/16

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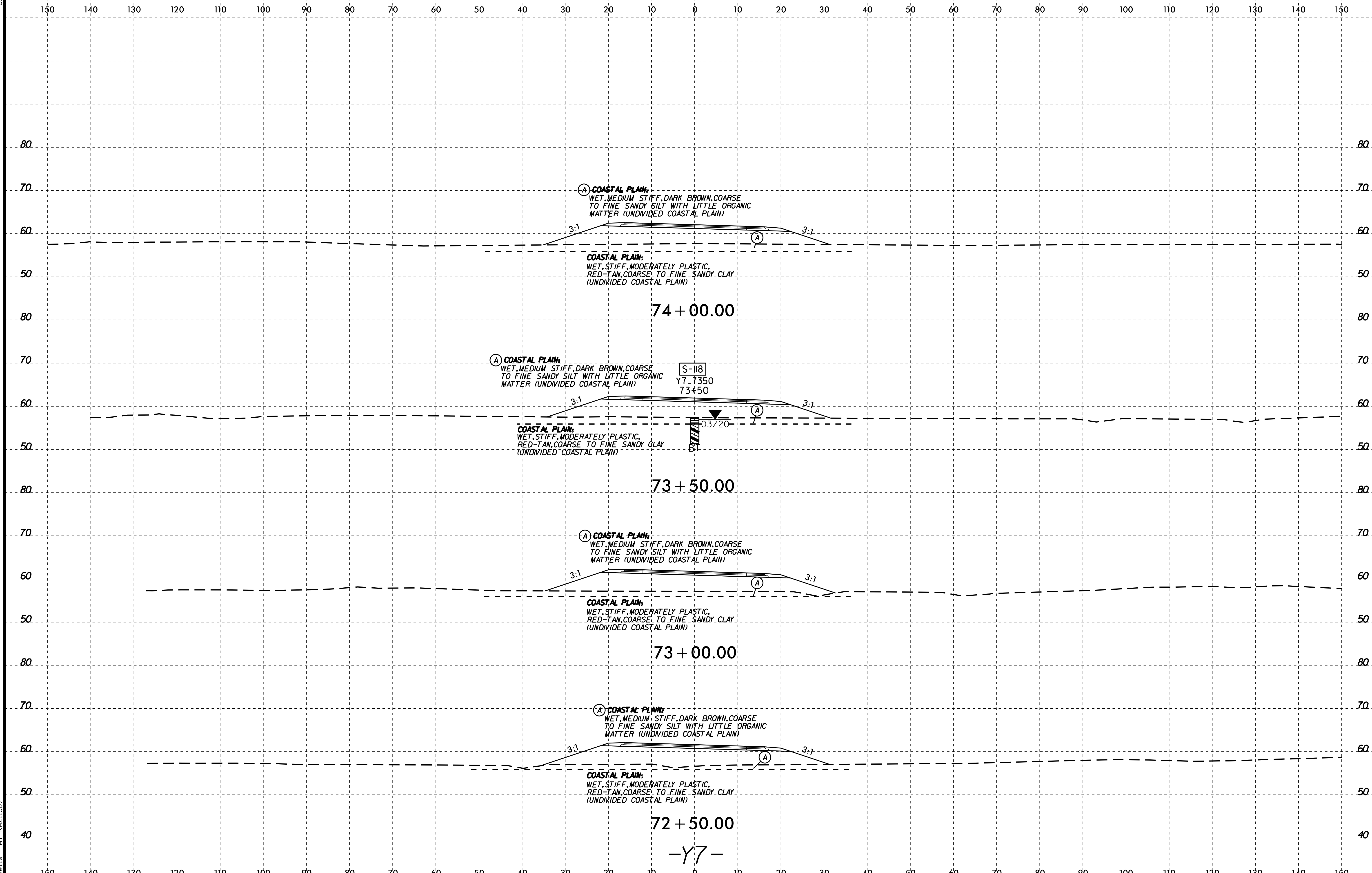
Wells AT KA21387

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	250



6/23/16

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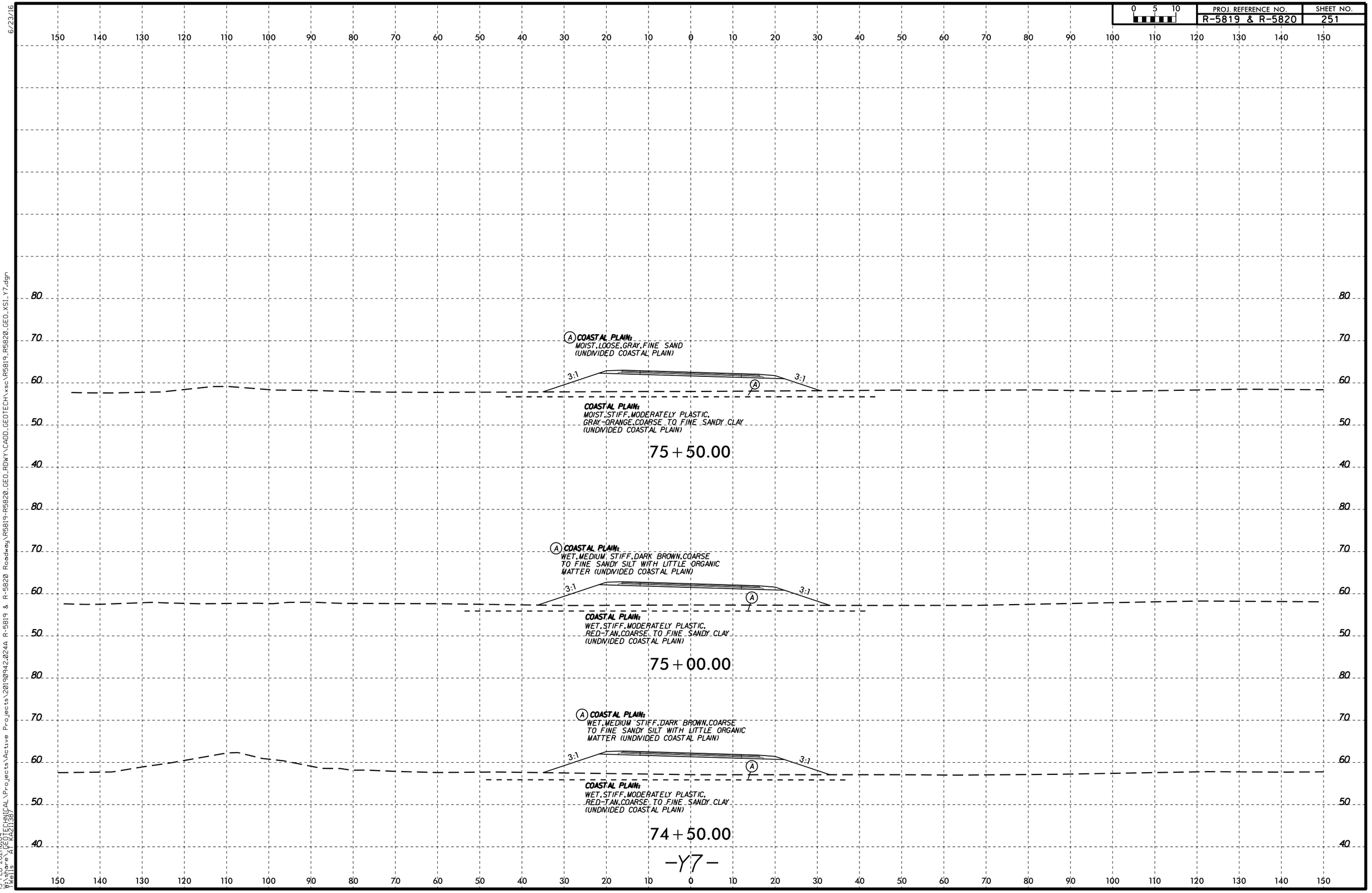
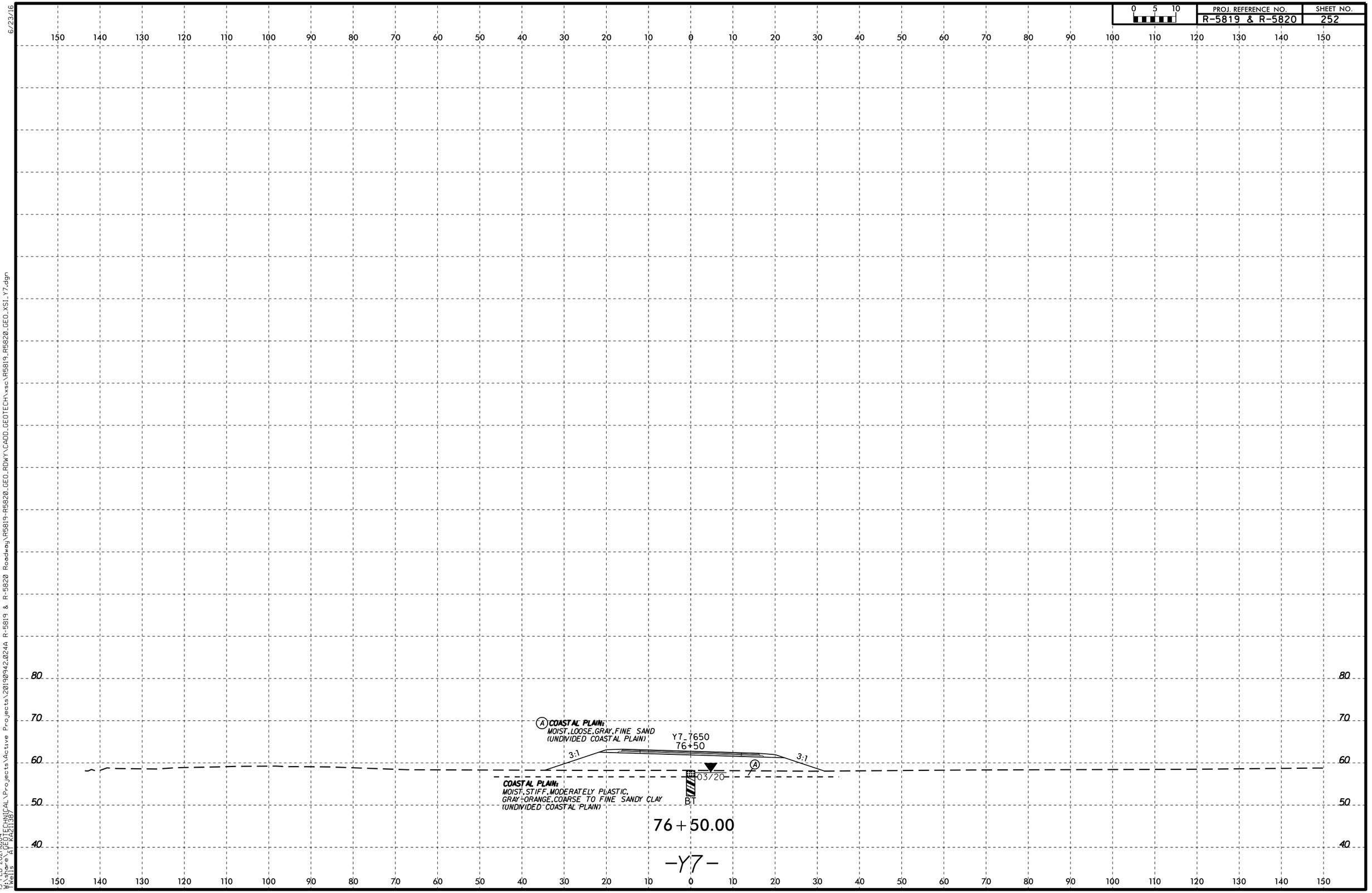
twells AT KA211387



0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	252



6/23/16

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Wells AT KAZ1136

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	253

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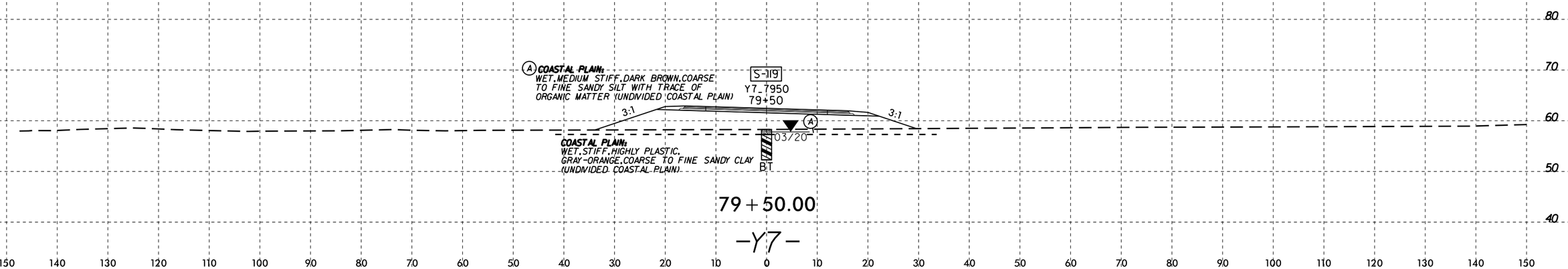

6/23/16

15-FEB-2021|6:04
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AT Wells AT KAZI136

150 140 130 120 110 100 90 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-120
Y7_8250
82+50

Ⓐ **COASTAL PLAIN:** SATURATED, MEDIUM STIFF, BLACK, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

3:1 3:1 Ⓐ

03/20

BT

COASTAL PLAIN: SATURATED, STIFF, HIGHLY PLASTIC, GRAY-ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

82 + 50.00

Ⓐ **COASTAL PLAIN:** SATURATED, MEDIUM STIFF, BLACK, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

3:1 3:1 Ⓐ

COASTAL PLAIN: SATURATED, STIFF, HIGHLY PLASTIC, GRAY-ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

82 + 00.00

Ⓐ **COASTAL PLAIN:** SATURATED, MEDIUM STIFF, BLACK, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

3:1 3:1 Ⓐ

COASTAL PLAIN: SATURATED, STIFF, HIGHLY PLASTIC, GRAY-ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

81 + 50.00

Ⓐ **COASTAL PLAIN:** WET, MEDIUM STIFF, DARK BROWN, COARSE TO FINE SANDY SILT WITH TRACE OF ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

Ⓐ 3:1 3:1

COASTAL PLAIN: WET, STIFF, HIGHLY PLASTIC, GRAY-ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

81 + 00.00

-Y7-

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	255

150 140 130 120 110 100 90 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

Y2- (BEN JONES RD) INTERSECTION

Y2- (OLD LAKE RD) INTERSECTION

(A) **ROADWAY EMBANKMENT:**
ASPHALT

COASTAL PLAIN:
SATURATED, STIFF, HIGHLY PLASTIC, GRAY-ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

83 + 50.00

(A) **COASTAL PLAIN:**
SATURATED, MEDIUM STIFF, BLACK, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

3:1 3:1

COASTAL PLAIN:
SATURATED, STIFF, HIGHLY PLASTIC, GRAY-ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

83 + 00.00

-Y7-

150 140 130 120 110 100 90 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

15-FEB-2021 16:04
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User: AT KAZI136
Wells

150 140 130 120 110 100 90 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

86+00.00

Ⓐ **COASTAL PLAIN:** SATURATED,MEDIUM STIFF,BLACK,COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

Ⓑ **COASTAL PLAIN:** WET,MEDIUM DENSE,MODERATELY PLASTIC, GRAY,CLAYEY FINE TO COARSE SAND (UNDIVIDED COASTAL PLAIN)

3:1 3:1

COASTAL PLAIN: WET,STIFF,HIGHLY PLASTIC, GRAY-ORANGE,COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

85+50.00

Ⓐ **COASTAL PLAIN:** SATURATED,MEDIUM STIFF,BLACK,COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

S-121
Y7_8550
85+50

Ⓑ **COASTAL PLAIN:** WET,MEDIUM DENSE,MODERATELY PLASTIC, GRAY,CLAYEY FINE TO COARSE SAND (UNDIVIDED COASTAL PLAIN)

3:1 3:1

03/20
BT

COASTAL PLAIN: WET,STIFF,HIGHLY PLASTIC, GRAY-ORANGE,COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

85+00.00

Ⓐ **COASTAL PLAIN:** SATURATED,MEDIUM STIFF,BLACK,COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

Ⓑ **COASTAL PLAIN:** WET,MEDIUM DENSE,MODERATELY PLASTIC, GRAY,CLAYEY FINE TO COARSE SAND (UNDIVIDED COASTAL PLAIN)

3:1 3:1

COASTAL PLAIN: WET,STIFF,HIGHLY PLASTIC, GRAY-ORANGE,COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

84+50.00

Ⓐ **ROADWAY EMBANKMENT**

-Y2- (BEN JONES RD) INTERSECTION

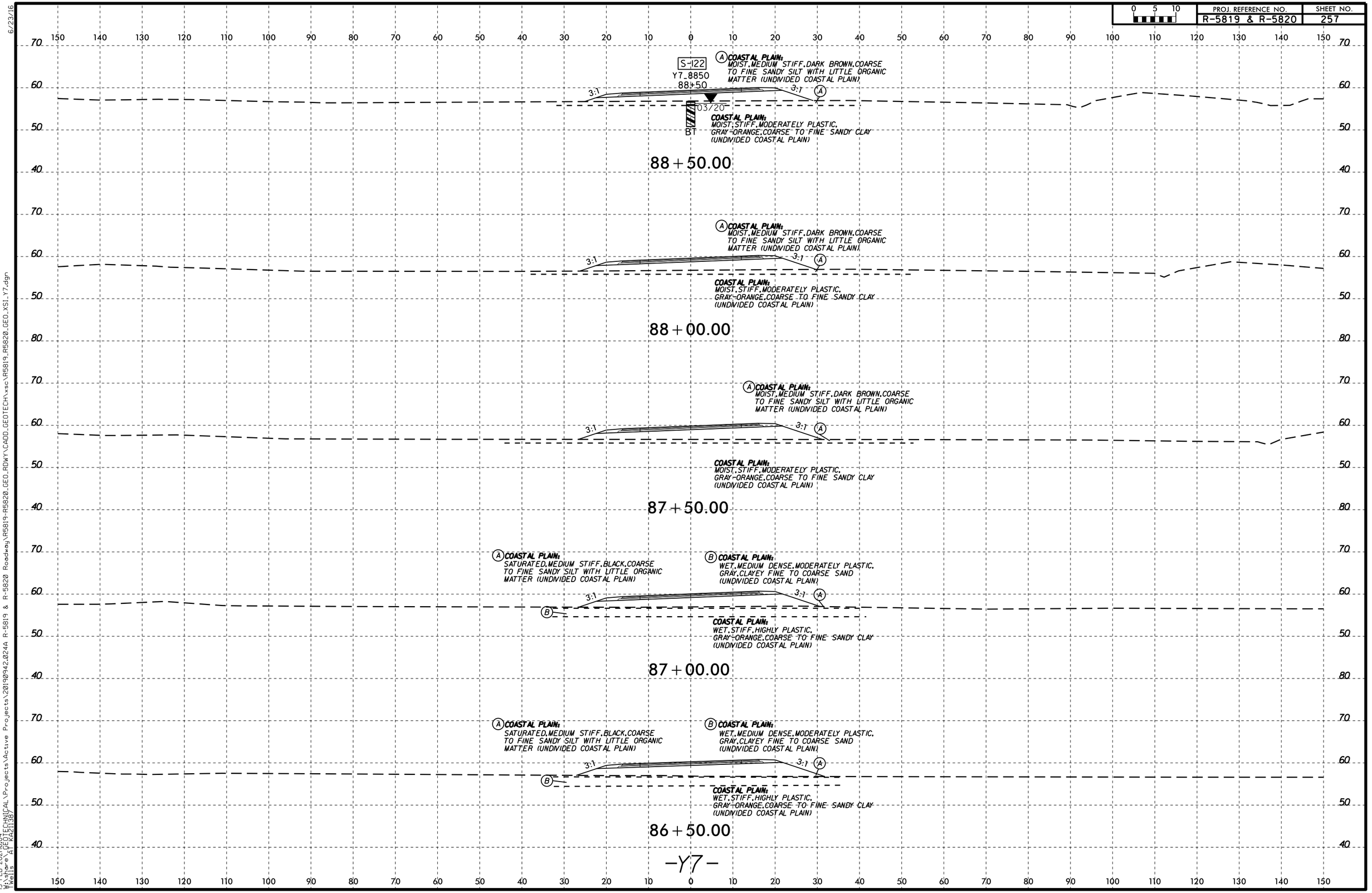
-Y2- (OLD LAKE RD) INTERSECTION

Ⓑ **COASTAL PLAIN:** WET,MEDIUM DENSE,MODERATELY PLASTIC, GRAY,CLAYEY FINE TO COARSE SAND (UNDIVIDED COASTAL PLAIN)

COASTAL PLAIN: WET,STIFF,HIGHLY PLASTIC, GRAY-ORANGE,COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

-Y7-

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	257



150 140 130 120 110 100 90 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

Ⓐ **COASTAL PLAIN:**
MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY CLAY WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

Ⓐ 3:1 3:1

COASTAL PLAIN:
WET, STIFF, HIGHLY PLASTIC, GRAY TO ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

90 + 50.00

Ⓐ **COASTAL PLAIN:**
MOIST, MEDIUM STIFF, DARK BROWN, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

Ⓐ 3:1 3:1

COASTAL PLAIN:
MOIST, STIFF, MODERATELY PLASTIC, GRAY-ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

90 + 00.00

Ⓐ **COASTAL PLAIN:**
MOIST, MEDIUM STIFF, DARK BROWN, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

Ⓐ 3:1 3:1

COASTAL PLAIN:
MOIST, STIFF, MODERATELY PLASTIC, GRAY-ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

89 + 50.00

Ⓐ **COASTAL PLAIN:**
MOIST, MEDIUM STIFF, DARK BROWN, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

Ⓐ 3:1 3:1

COASTAL PLAIN:
MOIST, STIFF, MODERATELY PLASTIC, GRAY-ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

89 + 00.00

-Y7-

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

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

80 70 60 50 40

(A) **ROADWAY EMBANKMENT:** ASPHALT

(B) **COASTAL PLAIN:** MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY CLAY WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

3:1 3:1

COASTAL PLAIN: WET, STIFF, HIGHLY PLASTIC, GRAY TO ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

92+50.00

(A) **ROADWAY EMBANKMENT:** ASPHALT

(B) **COASTAL PLAIN:** MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY CLAY WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

3:1 3:1

COASTAL PLAIN: WET, STIFF, HIGHLY PLASTIC, GRAY TO ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

92+00.00

S-123
S-124
Y7_9150
91+50

(A) **ROADWAY EMBANKMENT:** ASPHALT

(B) **COASTAL PLAIN:** MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY CLAY WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

3:1 3:1

03-20
B1

COASTAL PLAIN: WET, STIFF, HIGHLY PLASTIC, GRAY TO ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

91+50.00

(A) **ROADWAY EMBANKMENT:** ASPHALT

(B) **COASTAL PLAIN:** MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY CLAY WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

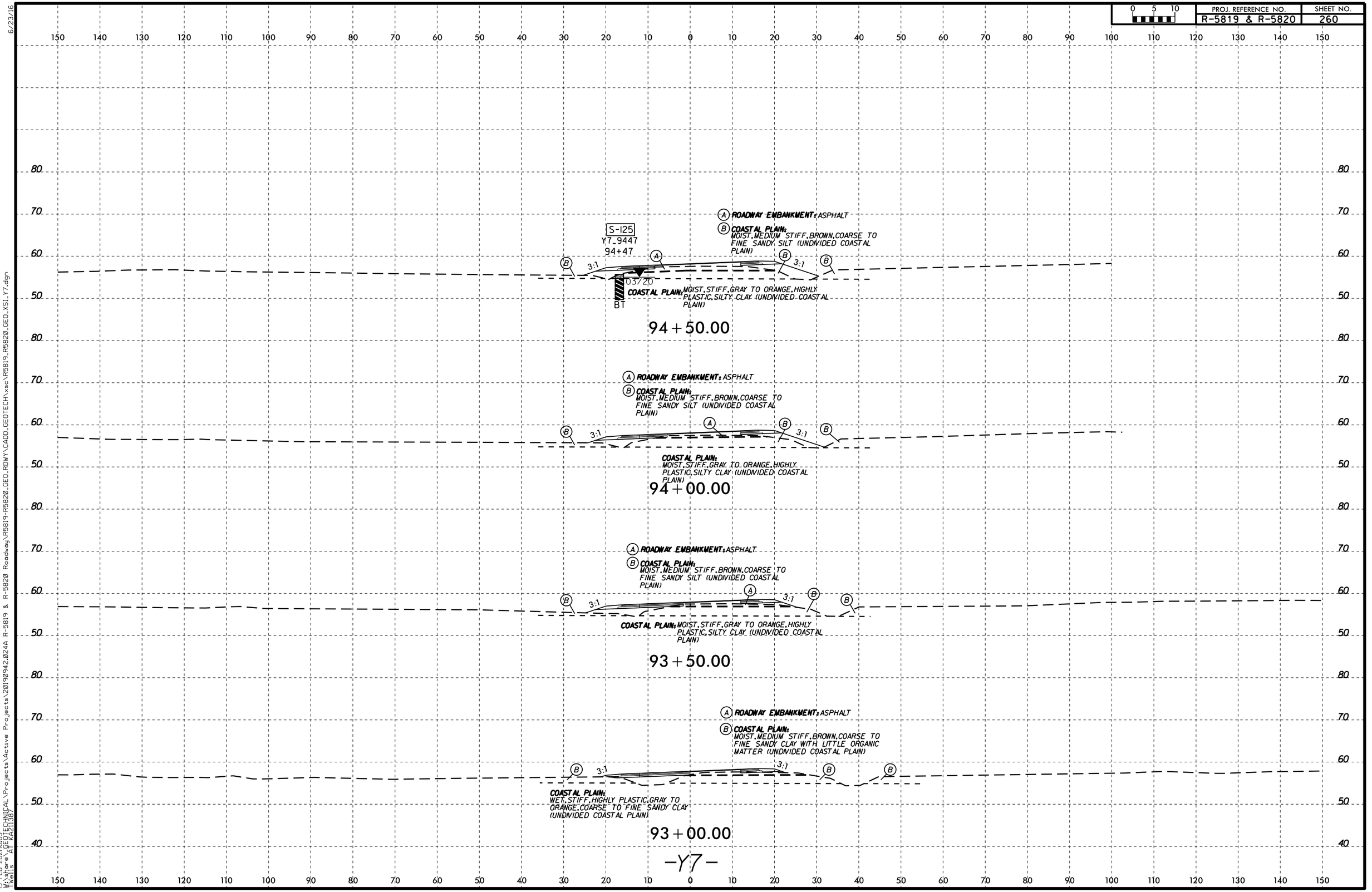
3:1 3:1

COASTAL PLAIN: WET, STIFF, HIGHLY PLASTIC, GRAY TO ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

91+00.00

-Y7-

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	260



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Wells AT KA21136

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	261

150 140 130 120 110 100 90 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:** ASPHALT

(B) **COASTAL PLAIN:** MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

COASTAL PLAIN: MOIST, STIFF, GRAY TO ORANGE, HIGHLY PLASTIC, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

96 + 50.00

(A) **ROADWAY EMBANKMENT:** ASPHALT

(B) **COASTAL PLAIN:** MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

3:1 3:1

COASTAL PLAIN: MOIST, STIFF, GRAY TO ORANGE, HIGHLY PLASTIC, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

96 + 00.00

(A) **ROADWAY EMBANKMENT:** ASPHALT

(B) **COASTAL PLAIN:** MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

3:1 3:1

COASTAL PLAIN: MOIST, STIFF, GRAY TO ORANGE, HIGHLY PLASTIC, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

95 + 50.00

(A) **ROADWAY EMBANKMENT:** ASPHALT

(B) **COASTAL PLAIN:** MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

3:1 3:1

COASTAL PLAIN: MOIST, STIFF, GRAY TO ORANGE, HIGHLY PLASTIC, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

95 + 00.00

-Y7-

150 140 130 120 110 100 90 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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AT Wells
AT 4421138

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0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	262

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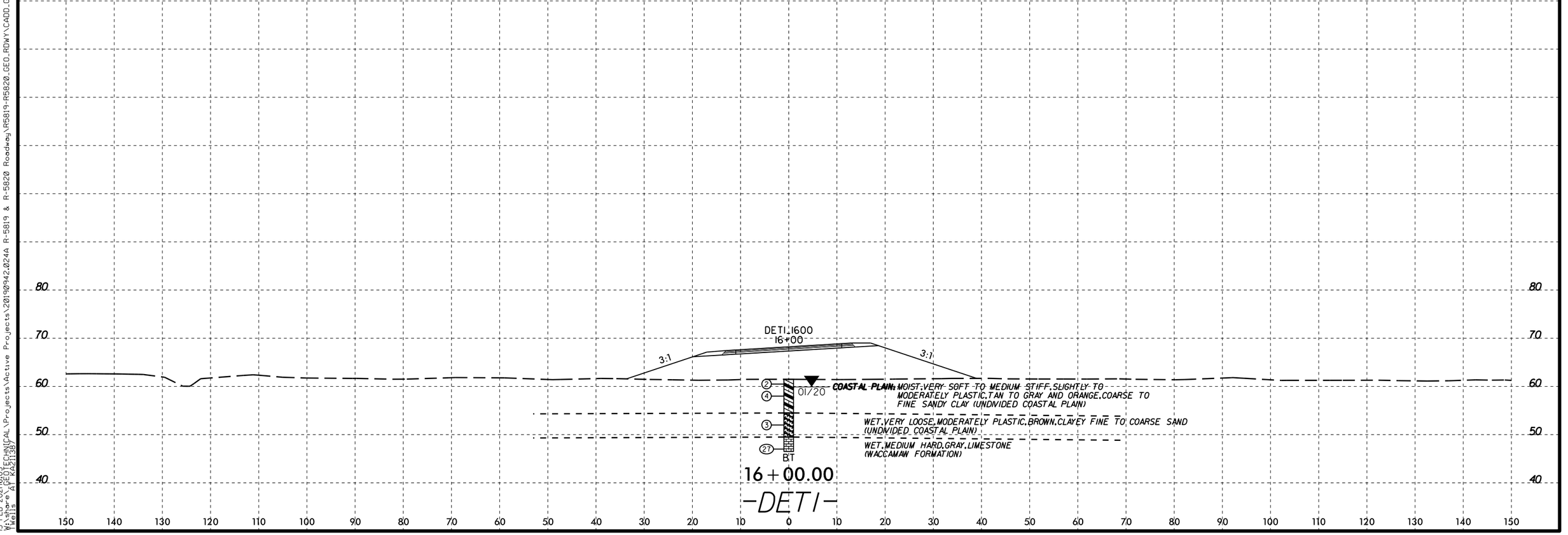

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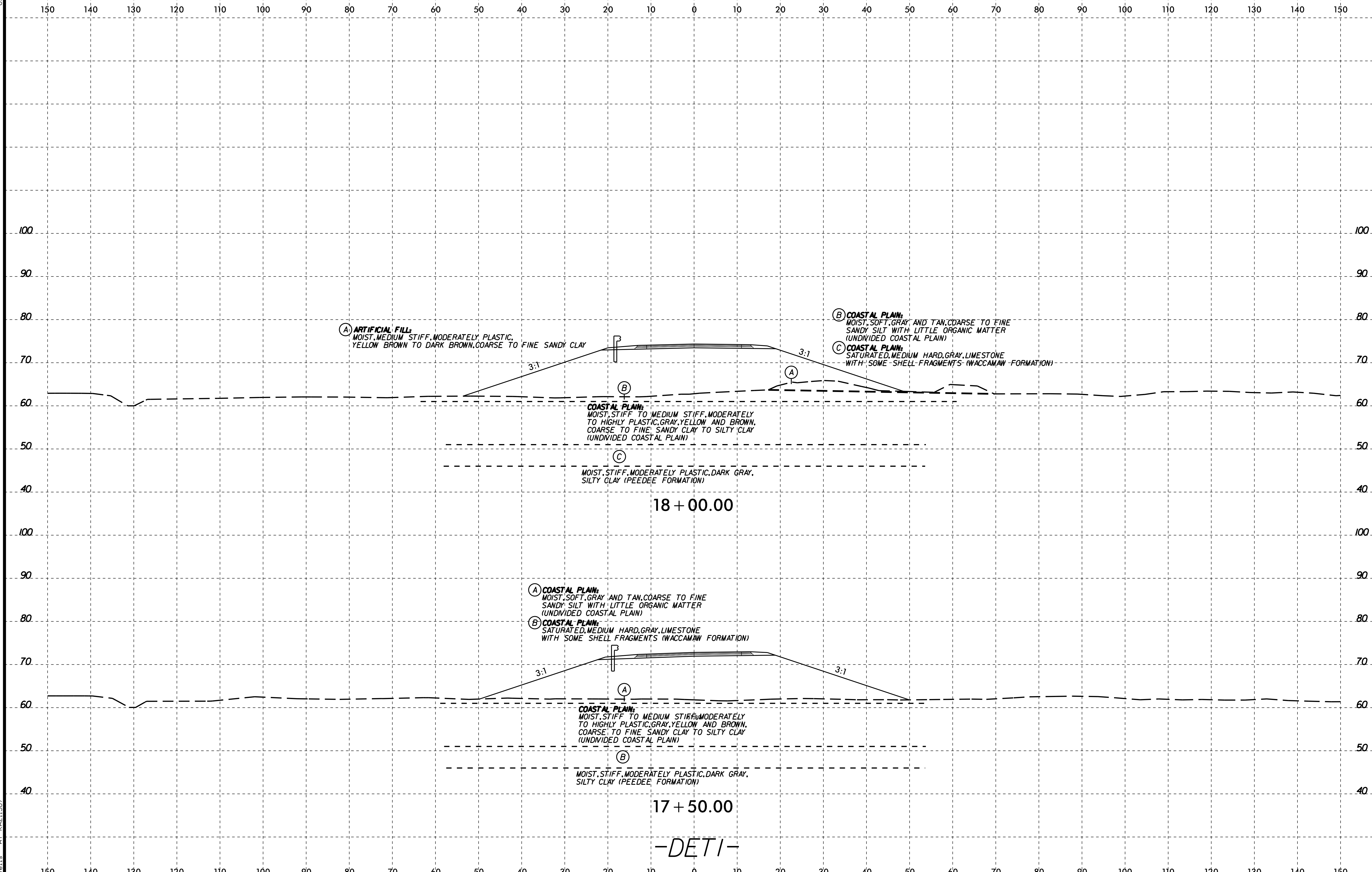
Wells AT KAZITAS

PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	263

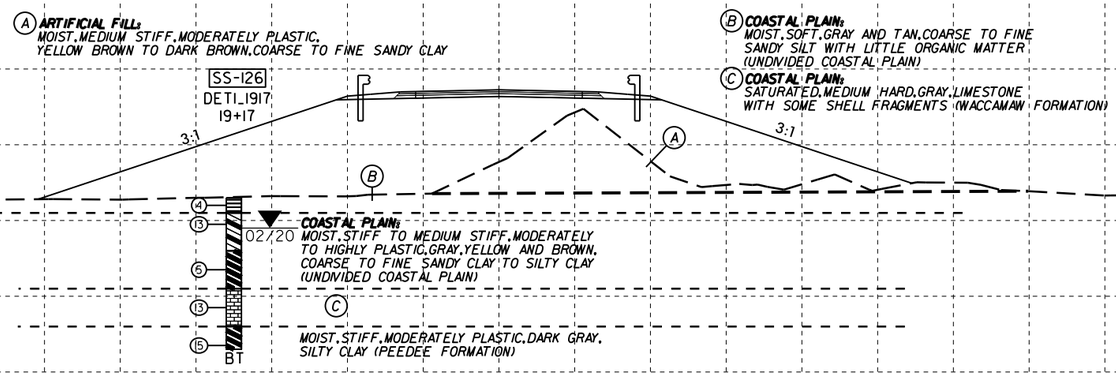


A ARTIFICIAL FILL:
MOIST, MEDIUM STIFF, MODERATELY PLASTIC, YELLOW BROWN TO DARK BROWN, COARSE TO FINE SANDY CLAY
B COASTAL PLAIN:
MOIST, SOFT, GRAY AND TAN, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)
C COASTAL PLAIN:
SATURATED, MEDIUM HARD, GRAY, LIMESTONE WITH SOME SHELL FRAGMENTS (WACCAMAW FORMATION)
3:1
3:1
COASTAL PLAIN:
MOIST, STIFF TO MEDIUM STIFF, MODERATELY TO HIGHLY PLASTIC, GRAY, YELLOW AND BROWN, COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)
MOIST, STIFF, MODERATELY PLASTIC, DARK GRAY, SILTY CLAY (PEEDEE FORMATION)
18 + 00.00
A COASTAL PLAIN:
MOIST, SOFT, GRAY AND TAN, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)
B COASTAL PLAIN:
SATURATED, MEDIUM HARD, GRAY, LIMESTONE WITH SOME SHELL FRAGMENTS (WACCAMAW FORMATION)
3:1
3:1
COASTAL PLAIN:
MOIST, STIFF TO MEDIUM STIFF, MODERATELY TO HIGHLY PLASTIC, GRAY, YELLOW AND BROWN, COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)
MOIST, STIFF, MODERATELY PLASTIC, DARK GRAY, SILTY CLAY (PEEDEE FORMATION)
17 + 50.00

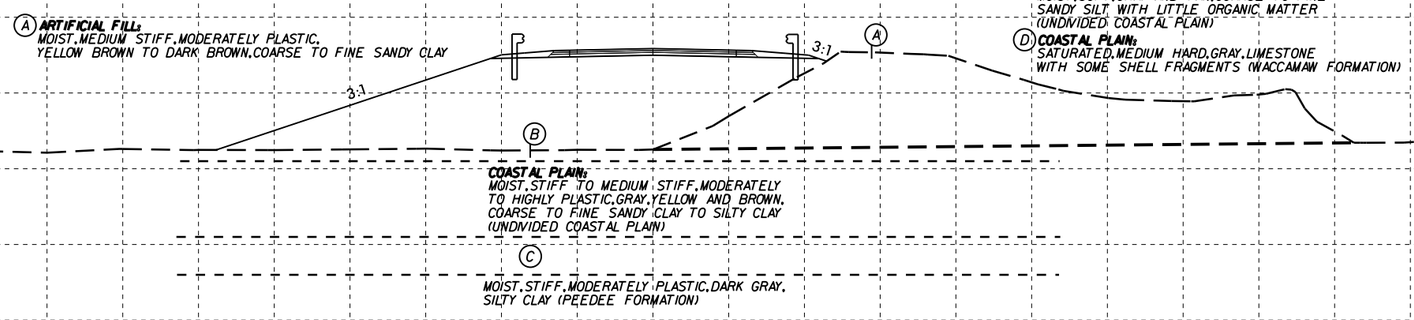
-DET1-

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

100 90 80 70 60 50 40



19+00.00



18+50.00

-DETI-

PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	265

0 5 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

100 90 80 70 60 50 40

Ⓐ **ARTIFICIAL FILL:**
MOIST, MEDIUM STIFF, MODERATELY PLASTIC, YELLOW BROWN TO DARK BROWN, COARSE TO FINE SANDY CLAY

Ⓑ **COASTAL PLAIN:**
MOIST, SOFT, GRAY AND TAN, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

Ⓒ **COASTAL PLAIN:**
SATURATED, MEDIUM HARD, GRAY, LIMESTONE WITH SOME SHELL FRAGMENTS (WACCAMAW FORMATION)

3:1

3:1

COASTAL PLAIN:
MOIST, STIFF TO MEDIUM STIFF, MODERATELY TO HIGHLY PLASTIC, GRAY, YELLOW AND BROWN, COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

Ⓒ MOIST, STIFF, MODERATELY PLASTIC, DARK GRAY, SILTY CLAY (PEEDEE FORMATION)

20+00.00

Ⓑ **COASTAL PLAIN:**
MOIST, SOFT, GRAY AND TAN, COARSE TO FINE SANDY SILT WITH LITTLE ORGANIC MATTER (UNDIVIDED COASTAL PLAIN)

Ⓒ **COASTAL PLAIN:**
SATURATED, MEDIUM HARD, GRAY, LIMESTONE WITH SOME SHELL FRAGMENTS (WACCAMAW FORMATION)

Ⓐ **ARTIFICIAL FILL:**
MOIST, MEDIUM STIFF, MODERATELY PLASTIC, YELLOW BROWN TO DARK BROWN, COARSE TO FINE SANDY CLAY

3:1

3:1

COASTAL PLAIN:
MOIST, STIFF TO MEDIUM STIFF, MODERATELY TO HIGHLY PLASTIC, GRAY, YELLOW AND BROWN, COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

Ⓒ MOIST, STIFF, MODERATELY PLASTIC, DARK GRAY, SILTY CLAY (PEEDEE FORMATION)

19+50.00

-DET1-

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Wells, Al K2(138)

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	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

100 90 80 70 60 50 40

(A) **ARTIFICIAL FILL:**
MOIST, MEDIUM STIFF, MODERATELY PLASTIC,
YELLOW BROWN TO DARK BROWN, COARSE TO FINE SANDY CLAY

(B) **COASTAL PLAIN:**
MOIST, SOFT, GRAY AND TAN, COARSE TO FINE
SANDY SILT WITH LITTLE ORGANIC MATTER
(UNDIVIDED COASTAL PLAIN)

(C) **COASTAL PLAIN:**
SATURATED, MEDIUM HARD, GRAY, LIMESTONE
WITH SOME SHELL FRAGMENTS (WACCAMAW FORMATION)

3:1 3:1

COASTAL PLAIN:
MOIST, STIFF TO MEDIUM STIFF, MODERATELY
TO HIGHLY PLASTIC, GRAY, YELLOW AND BROWN,
COARSE TO FINE SANDY CLAY TO SILTY CLAY
(UNDIVIDED COASTAL PLAIN)

(C)
MOIST, STIFF, MODERATELY PLASTIC, DARK GRAY,
SILTY CLAY (PEEDEE FORMATION)

21+00.00

100 90 80 70 60 50 40

(A) **ARTIFICIAL FILL:**
MOIST, MEDIUM STIFF, MODERATELY PLASTIC,
YELLOW BROWN TO DARK BROWN, COARSE TO FINE SANDY CLAY

(B) **COASTAL PLAIN:**
MOIST, SOFT, GRAY AND TAN, COARSE TO FINE
SANDY SILT WITH LITTLE ORGANIC MATTER
(UNDIVIDED COASTAL PLAIN)

(C) **COASTAL PLAIN:**
SATURATED, MEDIUM HARD, GRAY, LIMESTONE
WITH SOME SHELL FRAGMENTS (WACCAMAW FORMATION)

3:1 3:1

COASTAL PLAIN:
MOIST, STIFF TO MEDIUM STIFF, MODERATELY
TO HIGHLY PLASTIC, GRAY, YELLOW AND BROWN,
COARSE TO FINE SANDY CLAY TO SILTY CLAY
(UNDIVIDED COASTAL PLAIN)

(C)
MOIST, STIFF, MODERATELY PLASTIC, DARK GRAY,
SILTY CLAY (PEEDEE FORMATION)

20+50.00

-DETI-

150 140 130 120 110 100 90 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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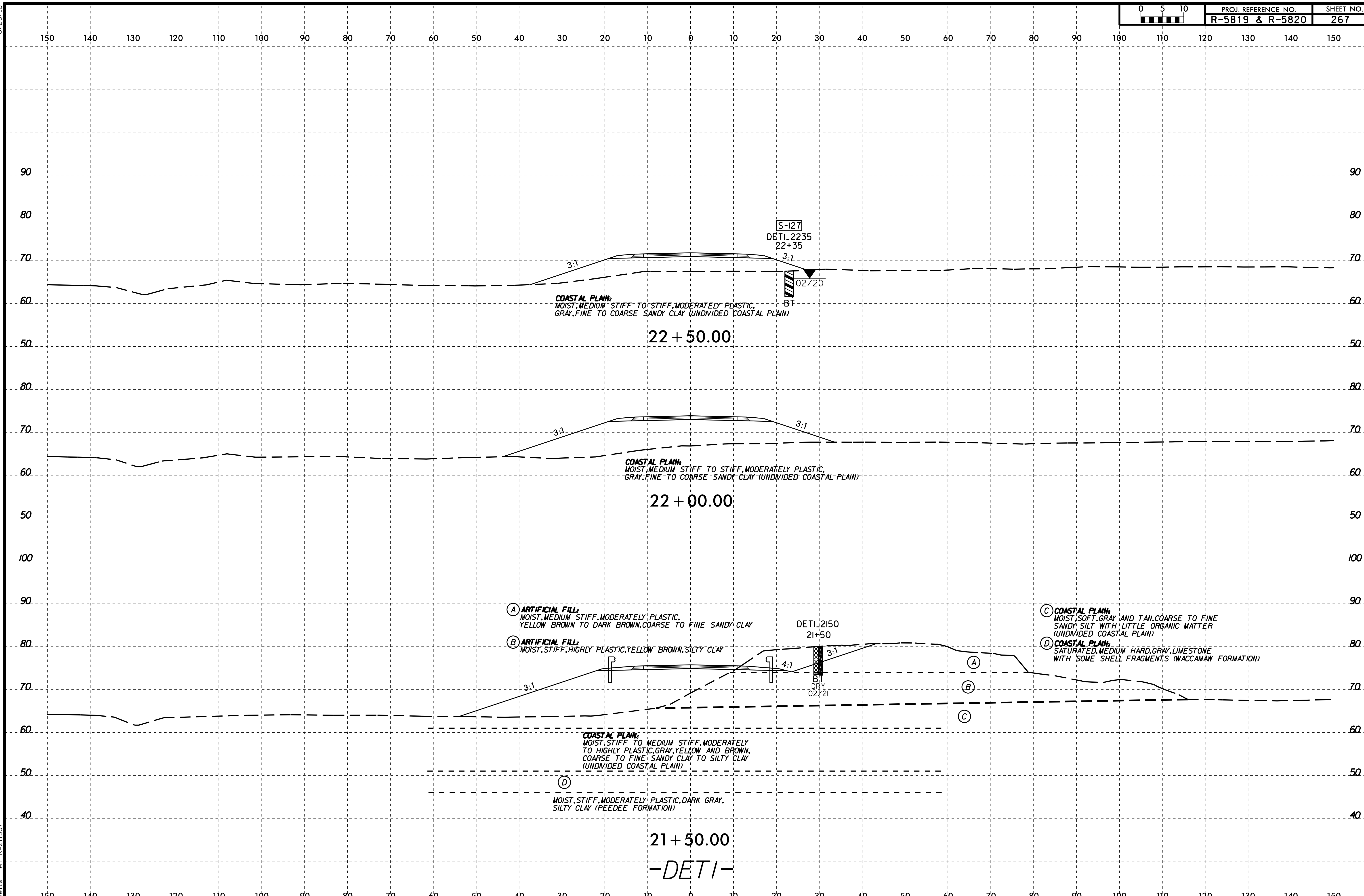
Wells, AT KA21138


S-127
DETI_2235
22+35
3:1
02/20
BT
COASTAL PLAIN:
MOIST,MEDIUM STIFF TO STIFF,MODERATELY PLASTIC,
GRAY,FINE TO COARSE SANDY CLAY (UNDIVIDED COASTAL PLAIN)
22+50.00
COASTAL PLAIN:
MOIST,MEDIUM STIFF TO STIFF,MODERATELY PLASTIC,
GRAY,FINE TO COARSE SANDY CLAY (UNDIVIDED COASTAL PLAIN)
22+00.00
A ARTIFICIAL FILL:
MOIST,MEDIUM STIFF,MODERATELY PLASTIC,
YELLOW BROWN TO DARK BROWN,COARSE TO FINE SANDY CLAY
B ARTIFICIAL FILL:
MOIST,STIFF,HIGHLY PLASTIC,YELLOW BROWN,SILTY CLAY
DETI_2150
21+50
4:1
BT
DRY
02/21
C COASTAL PLAIN:
MOIST,SOFT,GRAY AND TAN,COARSE TO FINE
SANDY SILT WITH LITTLE ORGANIC MATTER
(UNDIVIDED COASTAL PLAIN)
D COASTAL PLAIN:
SATURATED,MEDIUM HARD,GRAY,LIMESTONE
WITH SOME SHELL FRAGMENTS (WACCAMAW FORMATION)
COASTAL PLAIN:
MOIST,STIFF TO MEDIUM STIFF,MODERATELY
TO HIGHLY PLASTIC,GRAY,YELLOW AND BROWN,
COARSE TO FINE SANDY CLAY TO SILTY CLAY
(UNDIVIDED COASTAL PLAIN)
MOIST,STIFF,MODERATELY PLASTIC,DARK GRAY,
SILTY CLAY (PEEDEE FORMATION)
21+50.00
-DETI-

150 140 130 120 110 100 90 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

3:1 3:1

COASTAL PLAIN:
MOIST TO DRY,MEDIUM STIFF,HIGHLY PLASTIC,TAN, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

25+00.00

70 60 50

3:1 3:1

COASTAL PLAIN:
MOIST TO DRY,MEDIUM STIFF,HIGHLY PLASTIC,TAN, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

24+50.00

70 60 50

3:1 3:1

COASTAL PLAIN:
MOIST TO DRY,MEDIUM STIFF,HIGHLY PLASTIC,TAN, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

24+00.00

40 80 70 60 50

S-128
DETI_2350
23+50

3:1 4:1 3:1

BT 02720

COASTAL PLAIN:
MOIST TO DRY,MEDIUM STIFF,HIGHLY PLASTIC,TAN, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

23+50.00

90 80 70 60 50

3:1 3:1

COASTAL PLAIN:
MOIST,MEDIUM STIFF TO STIFF,MODERATELY PLASTIC, GRAY,FINE TO COARSE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

23+00.00

-DETI-

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

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	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
70
60
50

COASTAL PLAIN:
MOIST TO DRY, MEDIUM STIFF, HIGHLY PLASTIC, TAN,
COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

25+50.00

3:1 4:1 4:1 3:1

COASTAL PLAIN:
MOIST TO DRY, MEDIUM STIFF, HIGHLY PLASTIC, TAN,
COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

25+37.81

-DET1-

150 140 130 120 110 100 90 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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AT Wells AT KAZI136

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	270

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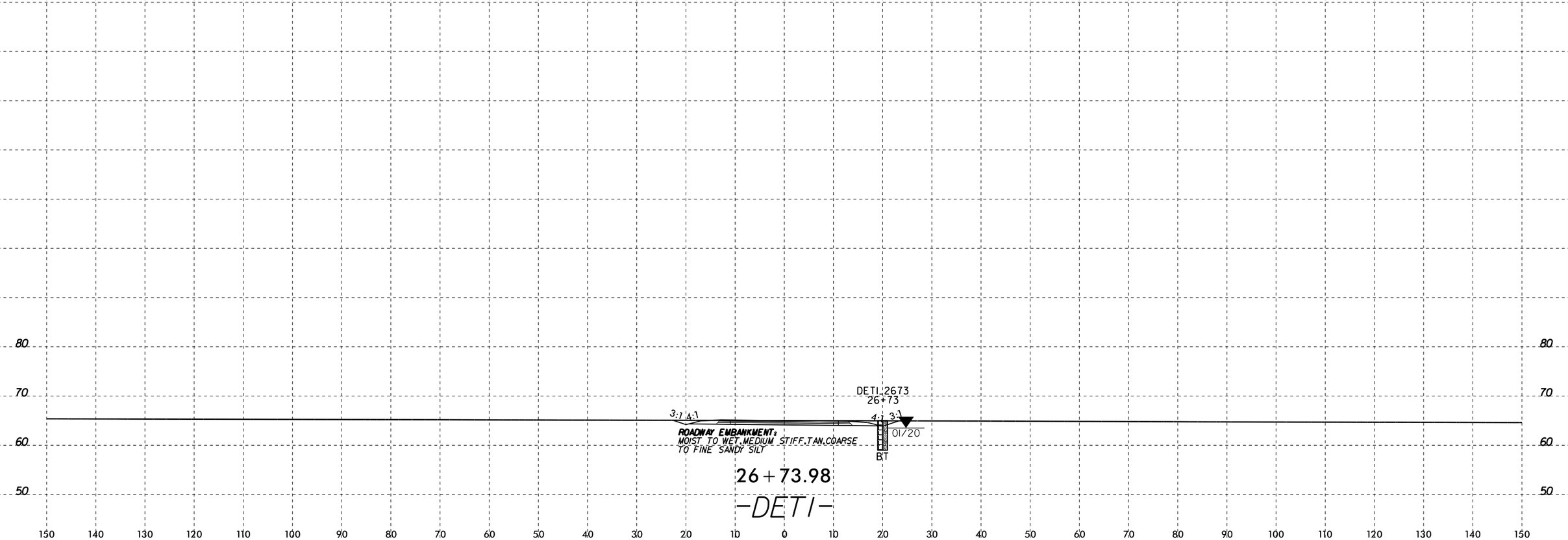

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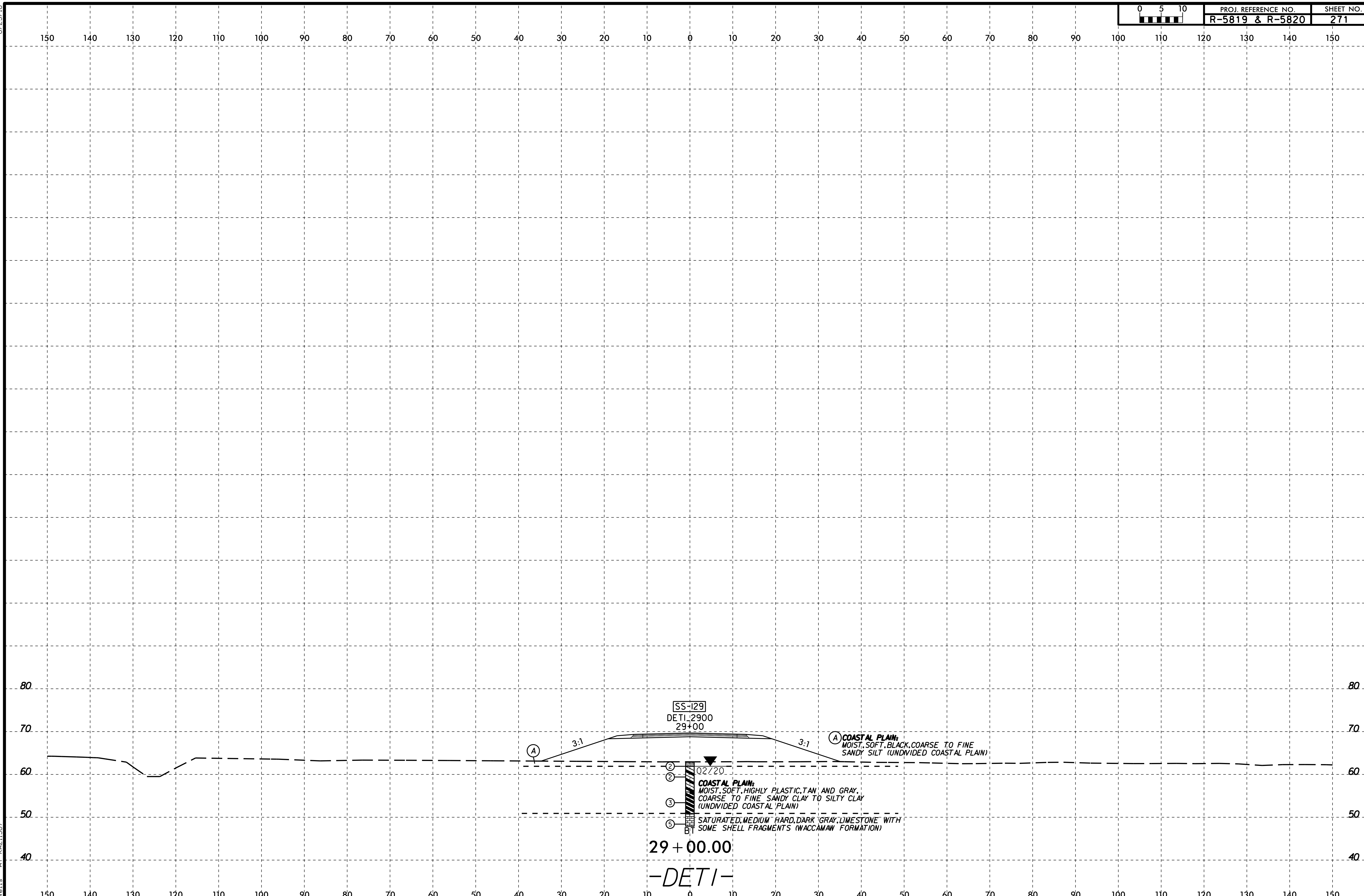
M. Wells AT KAZI136

PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	271



0 5 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
80
70
60
50
40
SS-129
DETI_2900
29+00
3:1
3:1
A
A COASTAL PLAIN:
MOIST, SOFT, BLACK, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)
02/20
2
2
3
5
COASTAL PLAIN:
MOIST, SOFT, HIGHLY PLASTIC, TAN AND GRAY, COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)
SATURATED, MEDIUM HARD, DARK GRAY, LIMESTONE WITH SOME SHELL FRAGMENTS (WACCAMAW FORMATION)
BT
29+00.00
-DETI-

6/23/16

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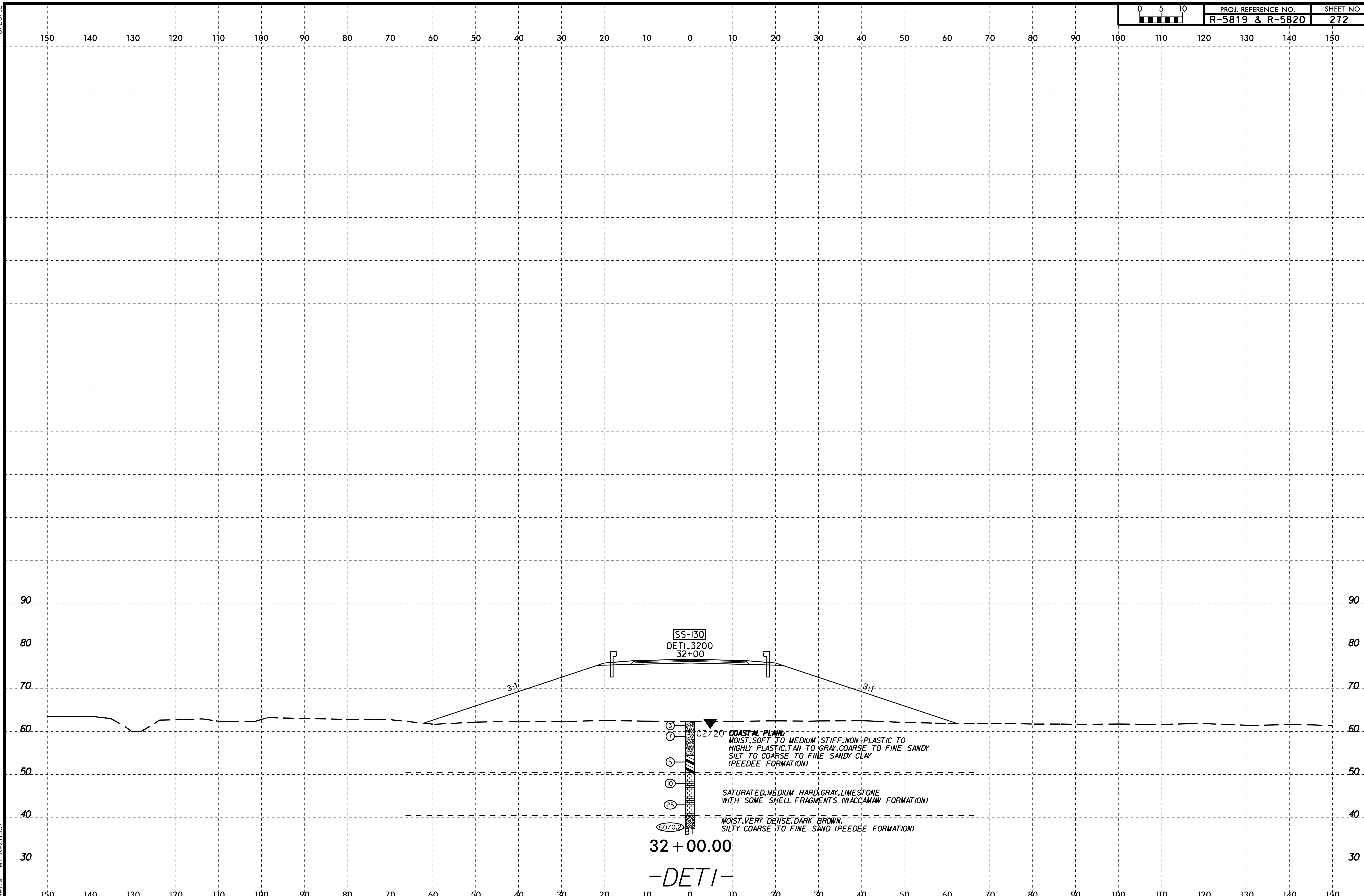
TWells AT KA211387

PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	272



6/23/16

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T.Wells AT KA211387

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	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

(A) **COASTAL PLAIN:**
MOIST, SOFT, DARK BROWN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

3:1 3:1

COASTAL PLAIN:
MOIST, SOFT TO MEDIUM STIFF, MODERATELY TO HIGHLY PLASTIC, GRAY AND ORANGE, COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

36 + 50.00

70 60 50 40

(A) **COASTAL PLAIN:**
MOIST, SOFT, DARK BROWN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

3:1 3:1

COASTAL PLAIN:
MOIST, SOFT TO MEDIUM STIFF, MODERATELY TO HIGHLY PLASTIC, GRAY AND ORANGE, COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

36 + 00.00

80 70 60 50

(A) **COASTAL PLAIN:**
MOIST, SOFT, DARK BROWN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

3:1 3:1

COASTAL PLAIN:
MOIST, SOFT TO MEDIUM STIFF, MODERATELY TO HIGHLY PLASTIC, GRAY AND ORANGE, COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

35 + 50.00

80 70 60 50

SS-131
DETI_3500
35+00

(A) **COASTAL PLAIN:**
MOIST, SOFT, DARK BROWN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

3:1 3:1

③ ⑤ ④ BT

COASTAL PLAIN:
MOIST, SOFT TO MEDIUM STIFF, MODERATELY TO HIGHLY PLASTIC, GRAY AND ORANGE, COARSE TO FINE SANDY CLAY TO SILTY CLAY (UNDIVIDED COASTAL PLAIN)

35 + 00.00

-DETI-

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

6/23/16

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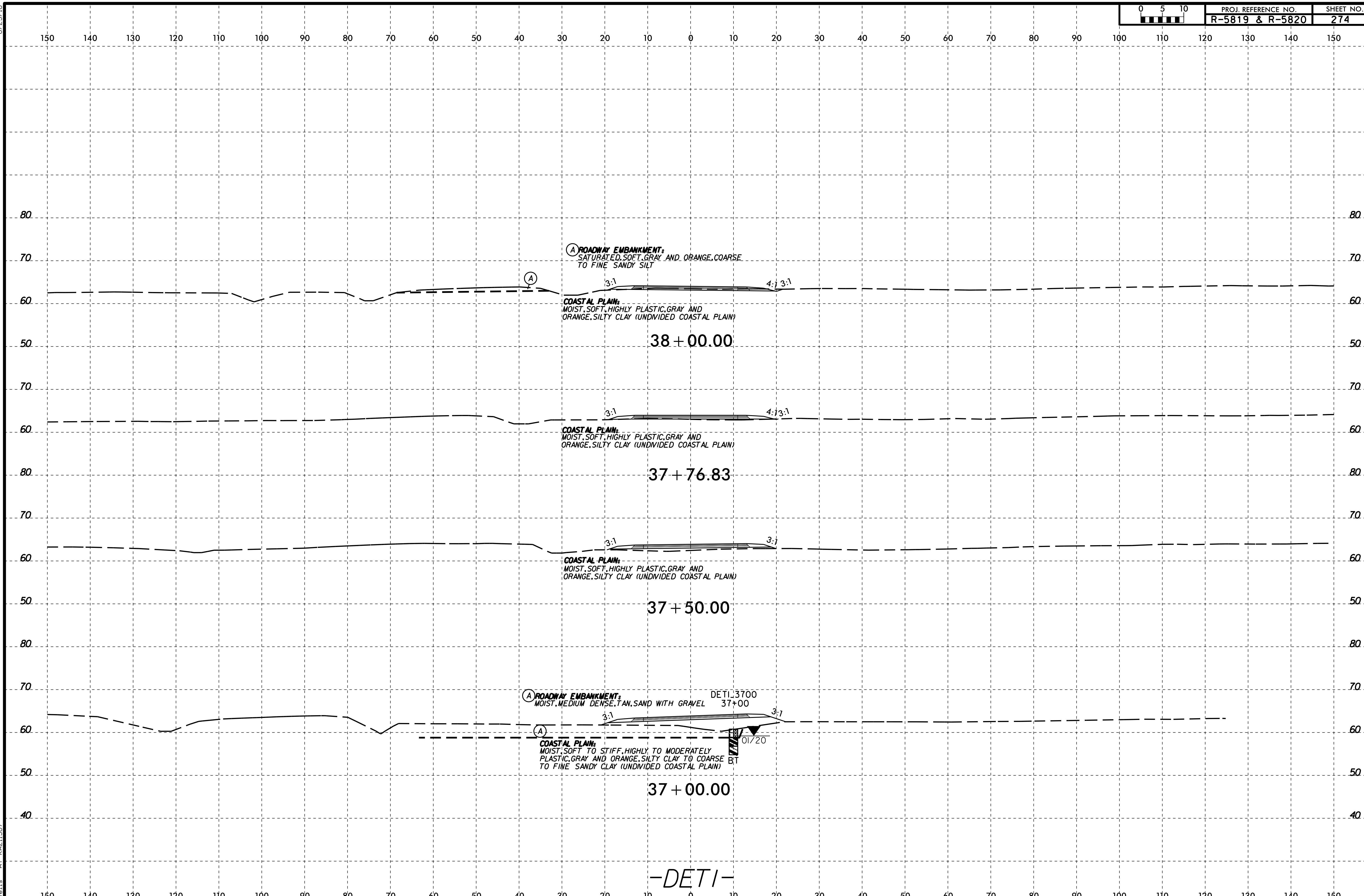
Wells, AT KH21138

6/23/16

PROJ. REFERENCE NO.	SHEET NO.
R-5819 & R-5820	274


0 5 10
(A) ROADWAY EMBANKMENT:
SATURATED,SOFT,GRAY AND ORANGE,COARSE TO FINE SANDY SILT
COASTAL PLAIN:
MOIST,SOFT,HIGHLY PLASTIC,GRAY AND ORANGE,SILTY CLAY (UNDIVIDED COASTAL PLAIN)
38+00.00
COASTAL PLAIN:
MOIST,SOFT,HIGHLY PLASTIC,GRAY AND ORANGE,SILTY CLAY (UNDIVIDED COASTAL PLAIN)
37+76.83
COASTAL PLAIN:
MOIST,SOFT,HIGHLY PLASTIC,GRAY AND ORANGE,SILTY CLAY (UNDIVIDED COASTAL PLAIN)
37+50.00
(A) ROADWAY EMBANKMENT:
MOIST,MEDIUM DENSE,TAN,SAND WITH GRAVEL
DETI_3700
37+00
01/20
BT
COASTAL PLAIN:
MOIST,SOFT TO STIFF,HIGHLY TO MODERATELY PLASTIC,GRAY AND ORANGE,SILTY CLAY TO COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)
37+00.00
-DET1-

15-FEB-2021 16:05
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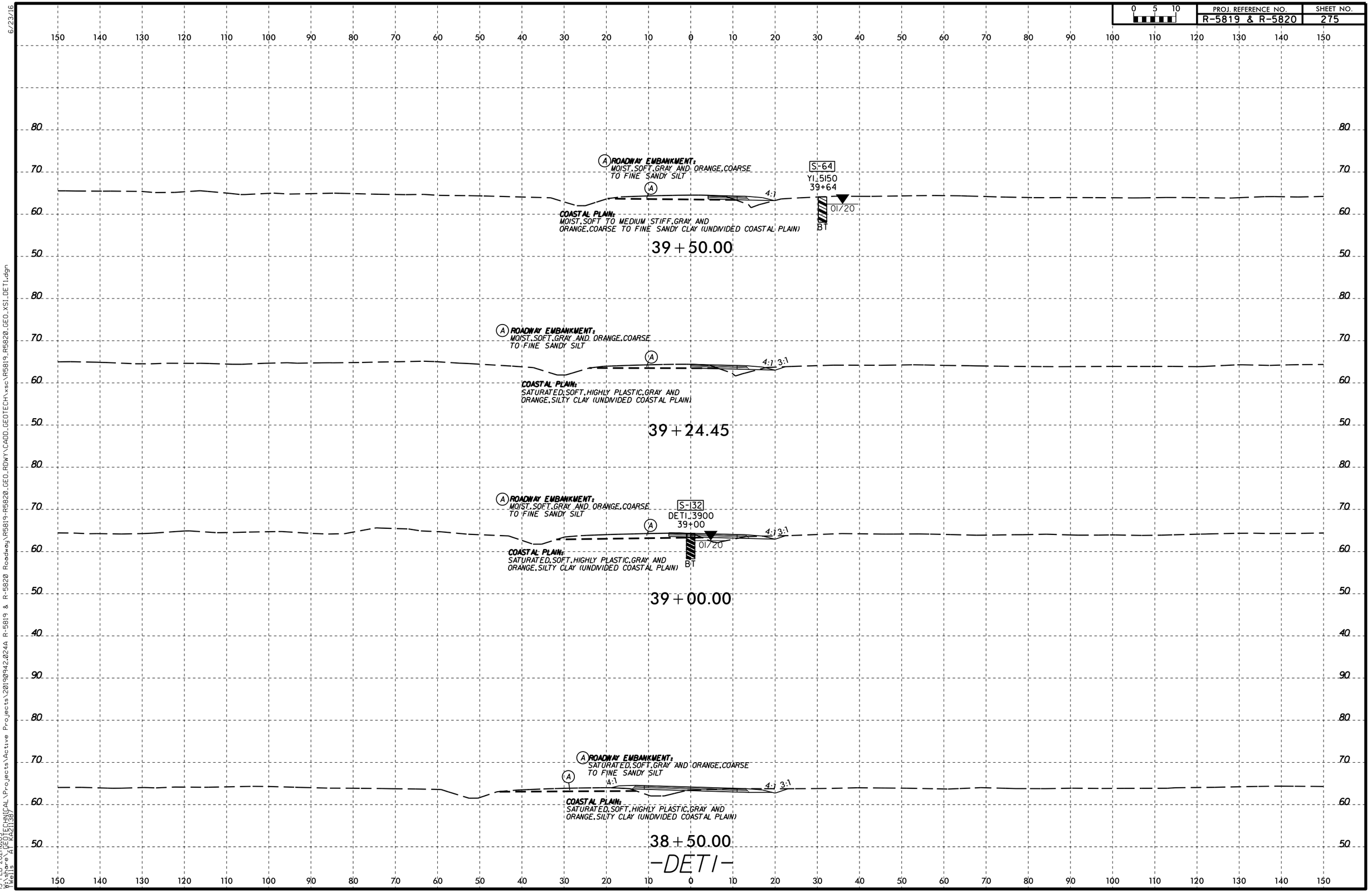
TWells AT KA211387



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AT Wells AT KAZI136

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	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

80 70 60 50 40 80 70 60 80 70 60 50

Ⓐ **ROADWAY EMBANKMENT:**
MOIST,SOFT,GRAY AND ORANGE,COARSE TO FINE SANDY SILT

COASTAL PLAIN:
MOIST,SOFT TO MEDIUM STIFF,GRAY AND ORANGE,COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

40+50.00

Ⓐ **ROADWAY EMBANKMENT:**
MOIST,SOFT,GRAY AND ORANGE,COARSE TO FINE SANDY SILT

4:1

COASTAL PLAIN:
MOIST,SOFT TO MEDIUM STIFF,GRAY AND ORANGE,COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

40+31.65

Ⓐ **ROADWAY EMBANKMENT:**
MOIST,SOFT,GRAY AND ORANGE,COARSE TO FINE SANDY SILT

4:1

COASTAL PLAIN:
MOIST,SOFT TO MEDIUM STIFF,GRAY AND ORANGE,COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

40+00.00

-DET1-

150 140 130 120 110 100 90 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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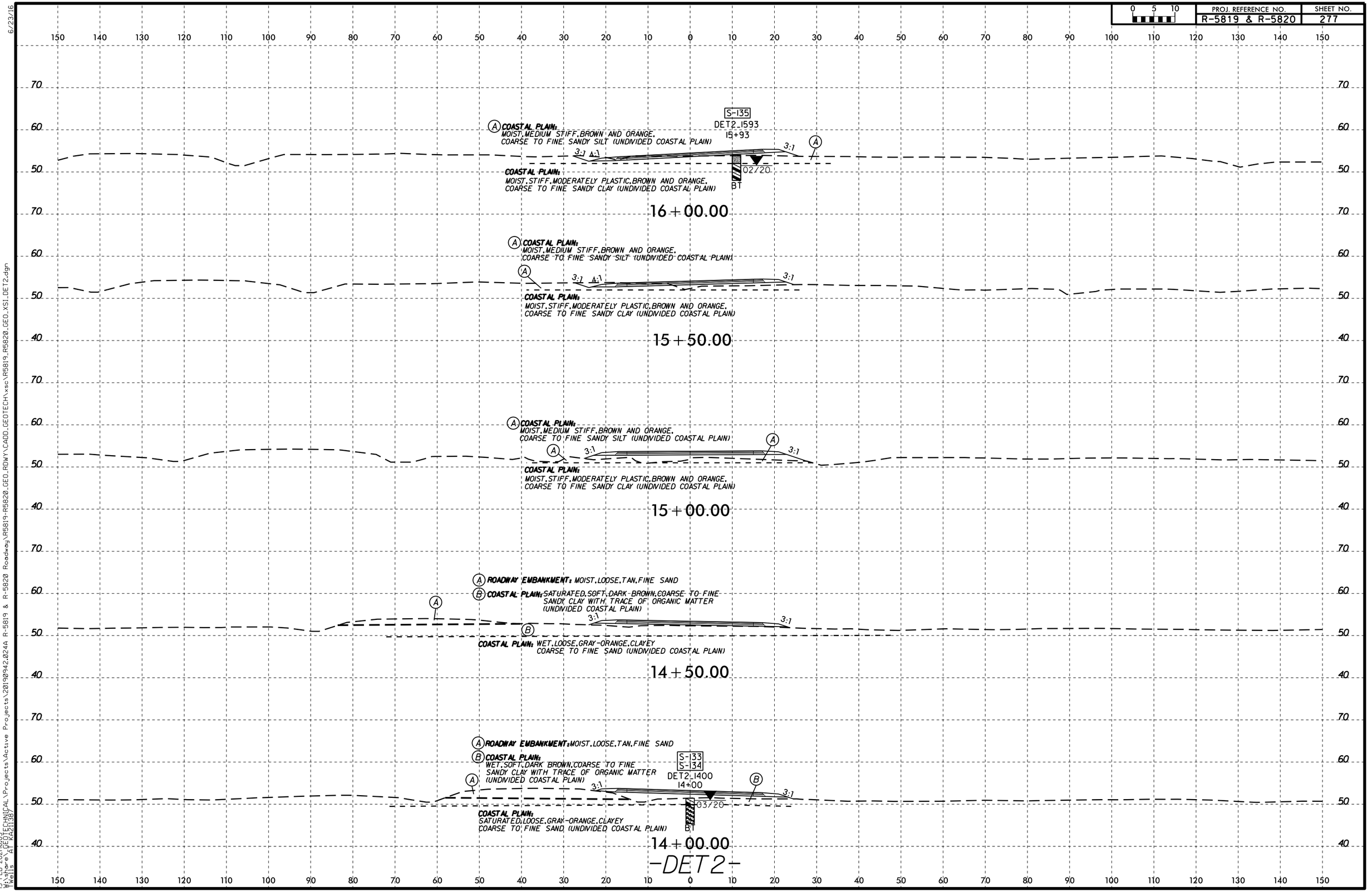
15-FEB-2021 16:05
Wells AT KA21138



150 140 130 120 110 100 90 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

Ⓐ **COASTAL PLAIN:**
MOIST, MEDIUM STIFF, COARSE
TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

3:1 4:1 3:1

COASTAL PLAIN:
MOIST, MEDIUM STIFF, MODERATELY PLASTIC, ORANGE AND GRAY,
COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

18+50.00

Ⓐ **COASTAL PLAIN:**
MOIST, MEDIUM STIFF, COARSE
TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

S-136
S-137
DET2_1792
17+92

3:1 4:1 3:1

COASTAL PLAIN:
MOIST, MEDIUM STIFF, MODERATELY PLASTIC, ORANGE AND GRAY,
COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

02/20
BT

18+00.00

Ⓐ **COASTAL PLAIN:**
MOIST, MEDIUM STIFF, COARSE
TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

3:1 4:1 3:1

COASTAL PLAIN:
MOIST, MEDIUM STIFF, MODERATELY PLASTIC, ORANGE AND GRAY,
COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

17+50.00

Ⓐ **COASTAL PLAIN:**
MOIST, MEDIUM STIFF, BROWN AND ORANGE,
COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

3:1 4:1 3:1

COASTAL PLAIN:
MOIST, STIFF, MODERATELY PLASTIC, BROWN AND ORANGE,
COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

17+00.00

Ⓐ **COASTAL PLAIN:**
MOIST, MEDIUM STIFF, BROWN AND ORANGE,
COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

3:1 4:1 3:1

COASTAL PLAIN:
MOIST, STIFF, MODERATELY PLASTIC, BROWN AND ORANGE,
COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

16+50.00

-DET 2-

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	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 40 30

S-138
DET2_1992
19+92

Ⓐ **COASTAL PLAIN:** MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

3:1 4:1 3:1

Ⓐ **COASTAL PLAIN:** MOIST, MEDIUM STIFF, MODERATELY PLASTIC, ORANGE AND RED, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

BT02720

20+00.00

Ⓐ **COASTAL PLAIN:** MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

3:1 4:1 3:1

Ⓐ **COASTAL PLAIN:** MOIST, MEDIUM STIFF, MODERATELY PLASTIC, ORANGE AND RED, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

19+50.00

Ⓐ **COASTAL PLAIN:** MOIST, MEDIUM STIFF, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

3:1 4:1 4:1 3:1

COASTAL PLAIN: MOIST, MEDIUM STIFF, MODERATELY PLASTIC, ORANGE AND GRAY, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

19+00.00

-DET2-

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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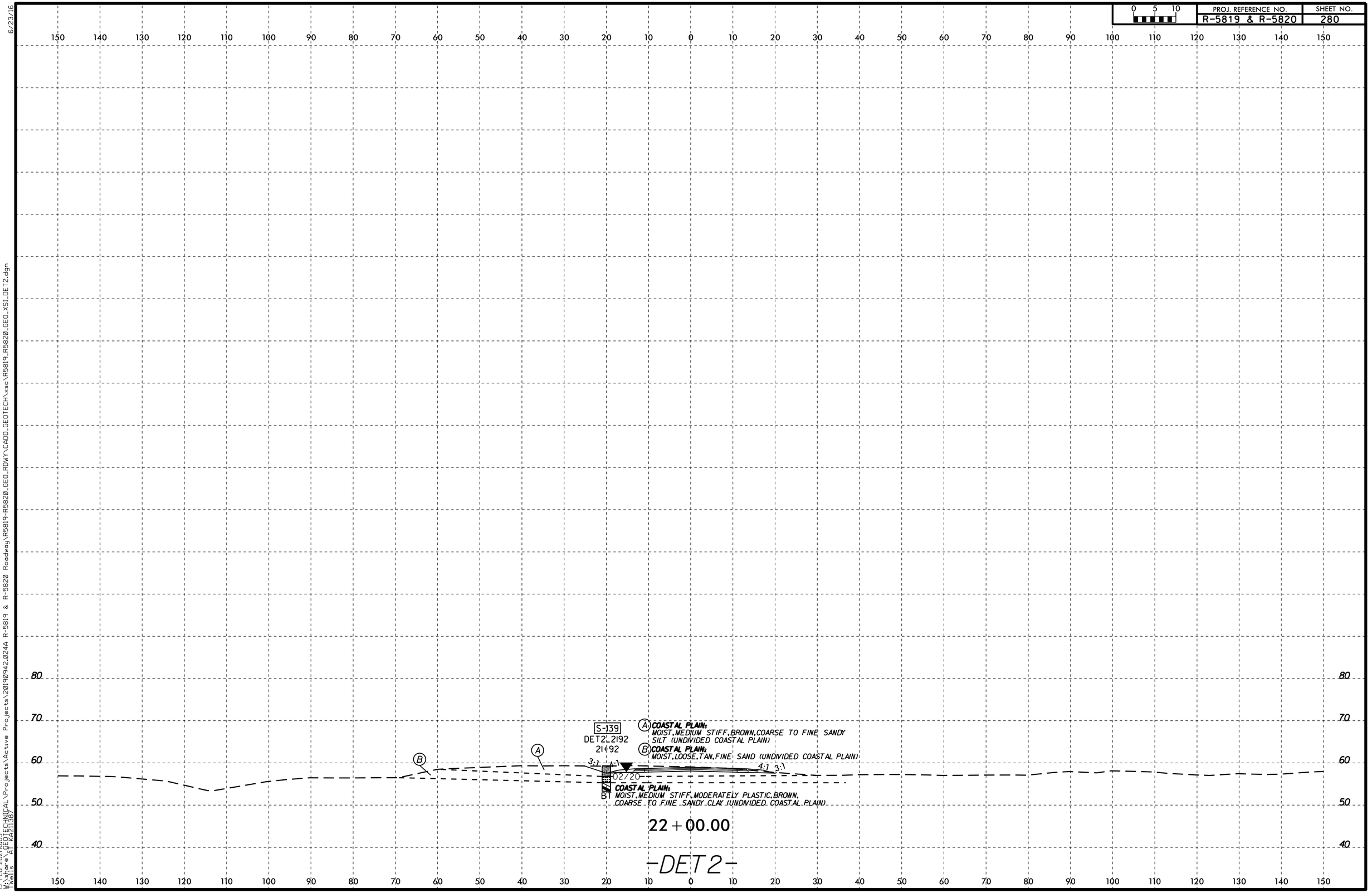
AT Wells
AT KA21138

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	280



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Wells AT KAZ1136

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	281

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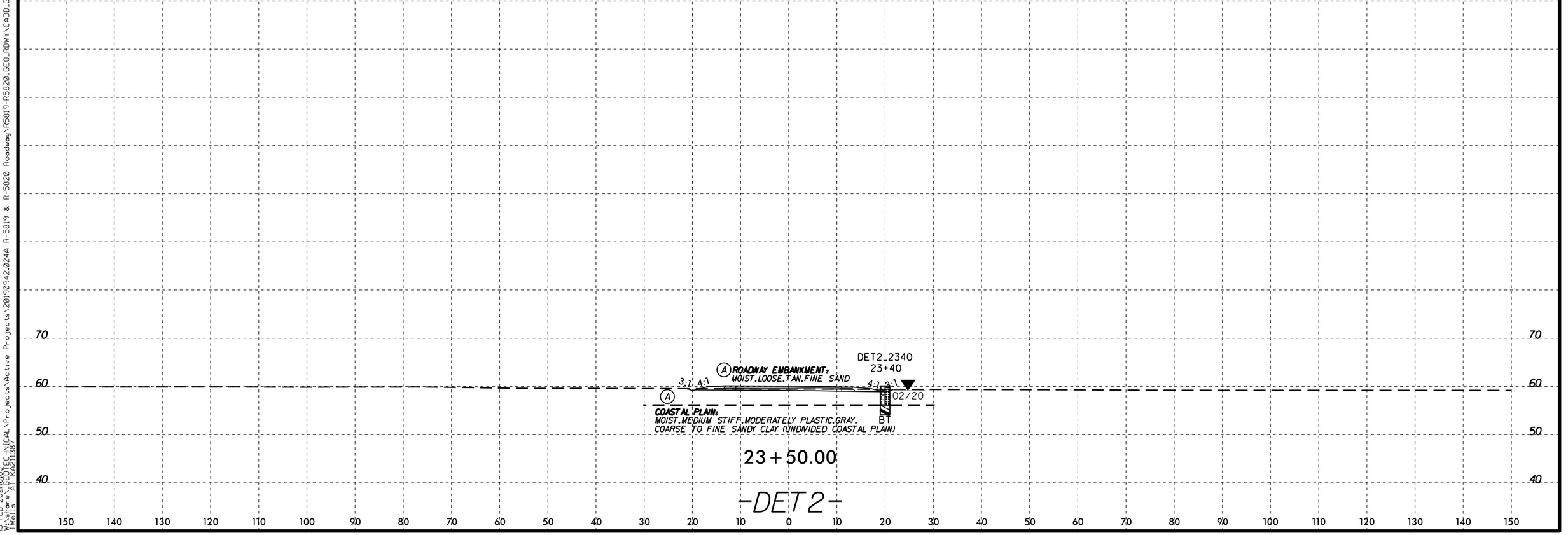

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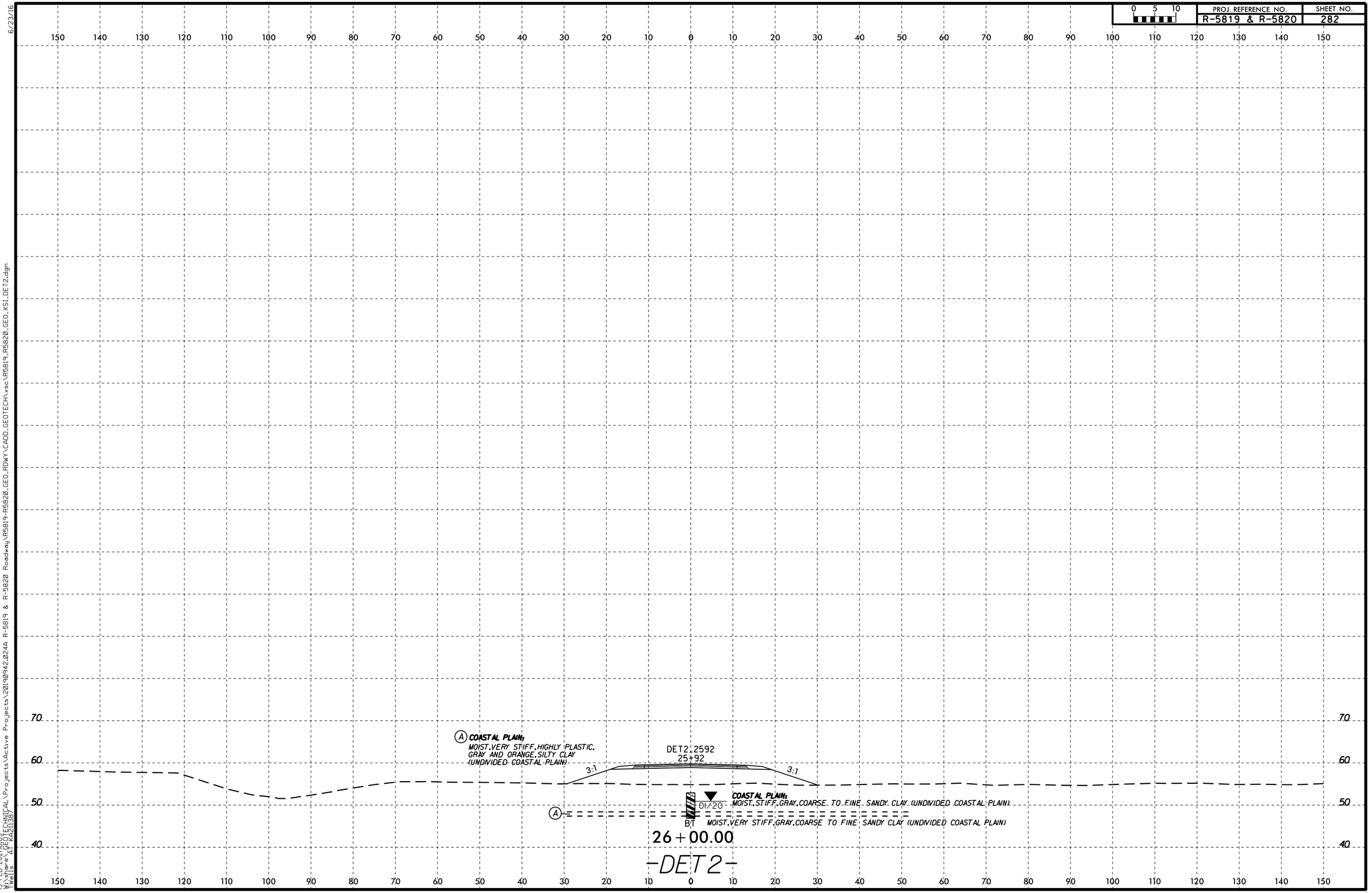
AT Wells AT KAZ1136

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	R-5819 & R-5820	282



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Wells AT KAZ1136

S-142
S-143
DET2.2992
29+92

A **COASTAL PLAIN:** MOIST, SOFT, GRAY, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

3:1 4:1 4:1 3:1

COASTAL PLAIN: MOIST, MEDIUM STIFF, MODERATELY PLASTIC, ORANGE AND GRAY, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

BT DRY 01/20

30+00.00

A **COASTAL PLAIN:** MOIST, SOFT, GRAY, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

3:1 4:1 4:1 3:1

COASTAL PLAIN: MOIST, MEDIUM STIFF, MODERATELY PLASTIC, ORANGE AND GRAY, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

29+50.00

A **COASTAL PLAIN:** MOIST, SOFT, GRAY, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

3:1 4:1 4:1 3:1

COASTAL PLAIN: MOIST, MEDIUM STIFF, MODERATELY PLASTIC, ORANGE AND GRAY, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

29+00.00

A **ALLUVIAL:** MOIST, LOOSE, BROWN, FINE SAND

3:1 4:1 4:1 3:1

COASTAL PLAIN: MOIST, VERY STIFF, TAN, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)
MOIST, STIFF, HIGHLY PLASTIC, GRAY AND ORANGE, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

28+50.00

S-140
S-141
DET2.2792
27+92

A **ALLUVIAL:** MOIST, LOOSE, BROWN, FINE SAND

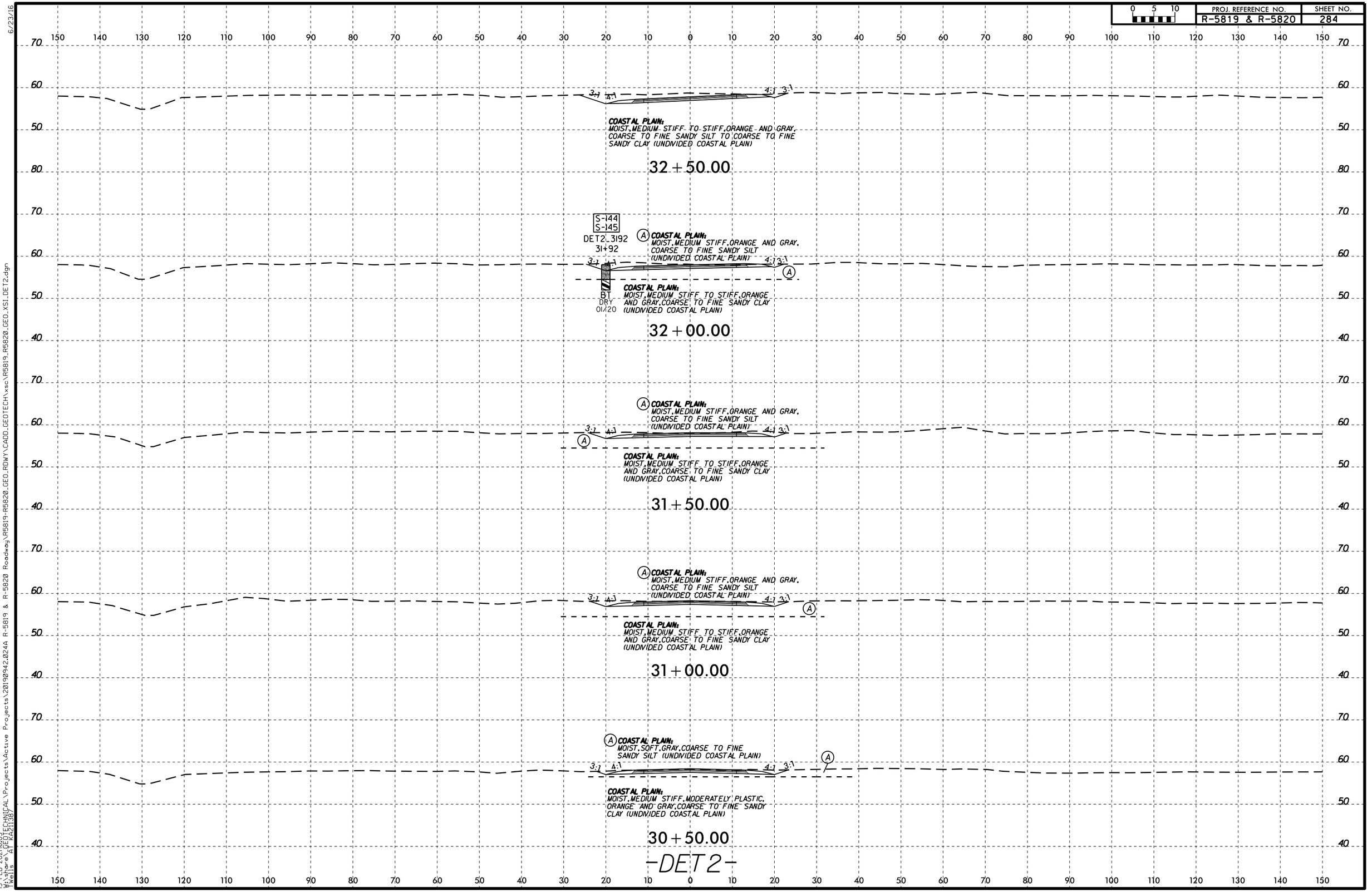
3:1 4:1 4:1 3:1

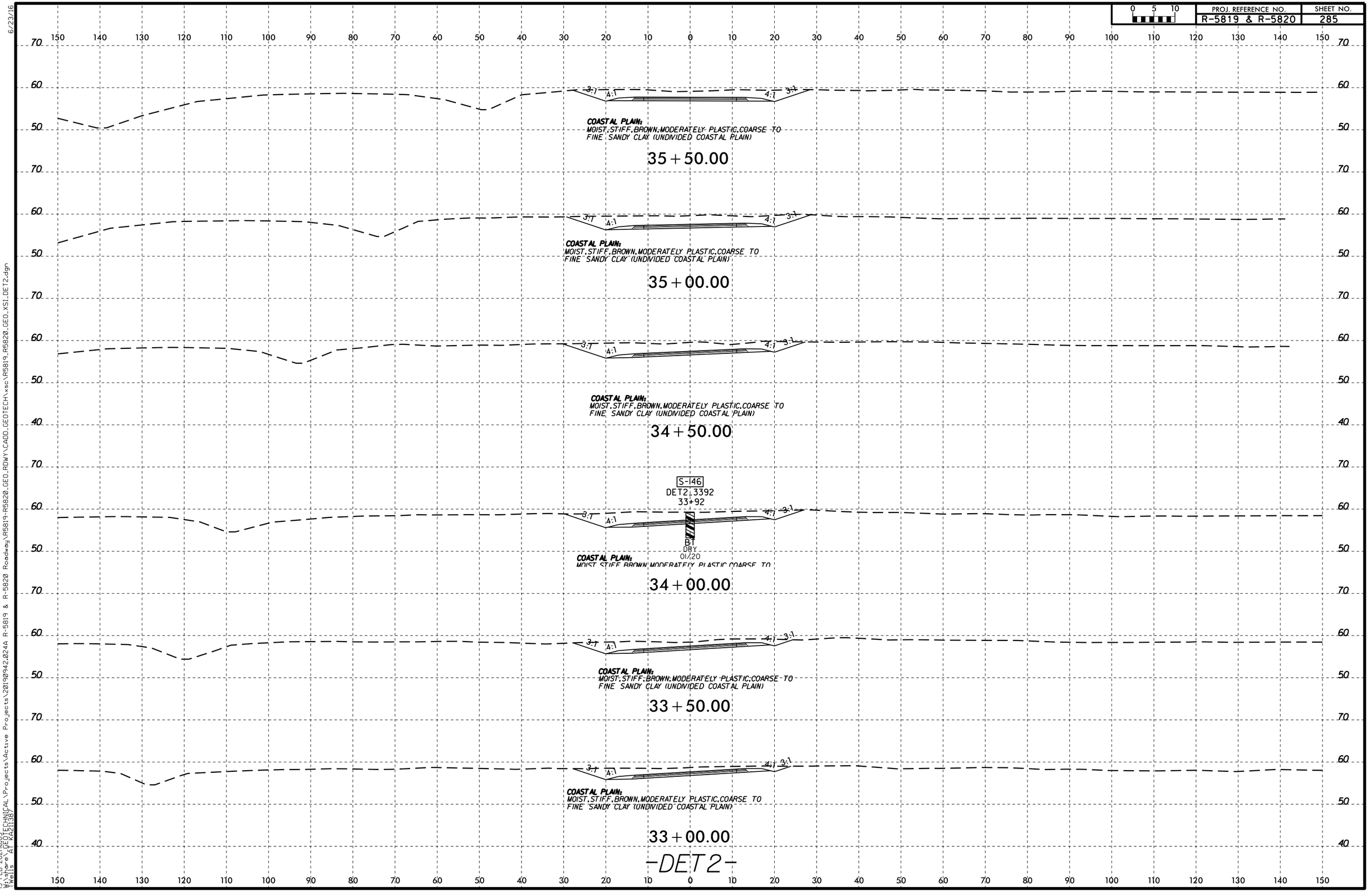
COASTAL PLAIN: MOIST, VERY STIFF, TAN, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)
MOIST, STIFF, HIGHLY PLASTIC, GRAY AND ORANGE, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

BT DRY 01/20

28+00.00

-DET2-





150 140 130 120 110 100 90 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:** MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT

Ⓑ **COASTAL PLAIN:** MOIST, MEDIUM STIFF, MODERATELY PLASTIC, ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

Ⓒ **COASTAL PLAIN:** MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

COASTAL PLAIN: MOIST, STIFF, HIGHLY PLASTIC, ORANGE TO RED, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

4:1 3:1

37+00.00

Ⓐ **ROADWAY EMBANKMENT:** MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT

Ⓑ **COASTAL PLAIN:** MOIST, MEDIUM STIFF, MODERATELY PLASTIC, ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

Ⓒ **COASTAL PLAIN:** MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

COASTAL PLAIN: MOIST, STIFF, HIGHLY PLASTIC, ORANGE TO RED, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

S-78
S-79
S-80
Y2 5200
36+37

BT
DRY
01/20

A:1 4:1 3:1

36+50.00

3:1 4:1 3:1

COASTAL PLAIN: MOIST, STIFF, BROWN, MODERATELY PLASTIC, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

36+00.00

-DET2-

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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Wells AT KH21138

150 140 130 120 110 100 90 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

39 + 00.00

(A) **ROADWAY EMBANKMENT:** MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT

(B) **COASTAL PLAIN:** MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

COASTAL PLAIN: MOIST, MEDIUM STIFF, MODERATELY PLASTIC, BROWN AND ORANGE, FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

70 60 50

38 + 50.00

(A) **ROADWAY EMBANKMENT:** MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT

(B) **COASTAL PLAIN:** MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

S-81
Y2 5400
38+46
3:1
01/20
BT

COASTAL PLAIN: MOIST, MEDIUM STIFF, MODERATELY PLASTIC, BROWN AND ORANGE, FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

80 70 60 50

38 + 00.00

(A) **ROADWAY EMBANKMENT:** MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT

(B) **COASTAL PLAIN:** MOIST, MEDIUM STIFF, MODERATELY PLASTIC, ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

3:1

COASTAL PLAIN: MOIST, STIFF, HIGHLY PLASTIC, ORANGE TO RED, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

80 70 60 50

37 + 50.00

(A) **ROADWAY EMBANKMENT:** MOIST, SOFT, TAN TO GRAY, COARSE TO FINE SANDY SILT

(B) **COASTAL PLAIN:** MOIST, MEDIUM STIFF, MODERATELY PLASTIC, ORANGE, COARSE TO FINE SANDY CLAY (UNDIVIDED COASTAL PLAIN)

(C) **COASTAL PLAIN:** MOIST, MEDIUM STIFF, BROWN, COARSE TO FINE SANDY SILT (UNDIVIDED COASTAL PLAIN)

3:1

COASTAL PLAIN: MOIST, STIFF, HIGHLY PLASTIC, ORANGE TO RED, SILTY CLAY (UNDIVIDED COASTAL PLAIN)

80 70 60 50 40

-DET2-

150 140 130 120 110 100 90 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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Wells AT KA21138