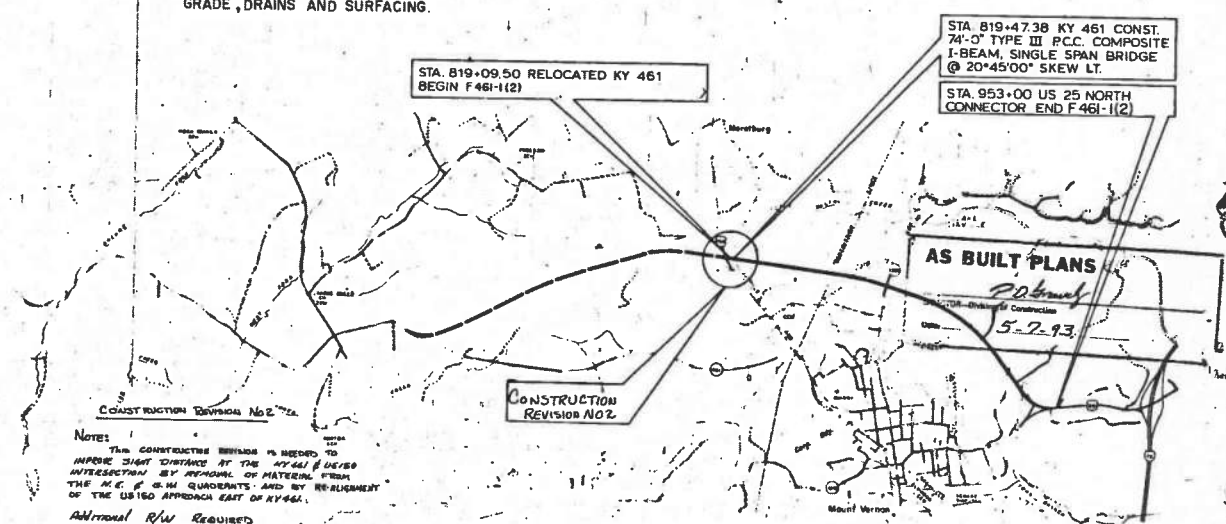
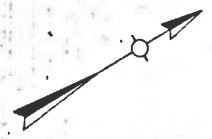


COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF HIGHWAYS

PLANS OF
 PROPOSED PROJECT

F 461-1(2)
 ROCKCASTLE COUNTY
 RELOCATED KY 461

THESE PLANS ARE FOR
 GRADE, DRAINS AND SURFACING.



INDEX OF SHEETS

SHEET NO.	DESCRIPTION
2 - 209	LAYOUT SHEET
3 - 30	TYPICAL SECTIONS - SUMMARY OF QUANTITIES SHEETS PLAN AND PROFILE SHEETS
31 - 32	RIGHT OF WAY SUMMARY SHEETS
33 - 34	RIGHT OF WAY STRIP MAP SHEETS
35 - 45	DETAIL SHEETS
46 - 47	REFERENCE SHEETS
48 - 64 b	SOIL PROFILE SHEETS
65 - 74	Pipe DRAINAGE SHEETS
75 - 257	CROSS SECTION SHEETS

SHEETS NOT INCLUDED IN TOTAL SHEETS: 20, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257

TOTAL BRIDGE SHEETS 21

STANDARD DRAWINGS

RBB-001-03	RDB-110-05
RBC-001-04	RDP-005-02
RBI-001-04	ROX-160-02
RBI-003-01	RPW-100-03
RBR-001-06	ROV-340-01
RBR-005-06	
RBR-010-02	
RBR-015-01	
RBR-016	
RBR-025-01	
RBR-030-01	
RBR-035-03	
RDB-001-06	
RDD-001-02	
RDD-020-05	
RDD-021-03	
RDD-040-09	
RDH-020	
RDH-110	
RDH-200	
RDH-310-01	
RDH-320-03	
RDH-330-03	
RDI-030-03	
RDP-001-01	
RDP-006-01	
RDP-007-01	
RDP-010-03	
ROX-200	
RPW-001-01	
RPW-005-03	
RGS-001-02	
RGS-002-02	
RGX-005-01	
RGX-010-01	
RFM-110-01	
RRE-002-02	
TSC-250	
TSC-260-05	
TSC-261-01	

TOTAL STANDARD DRAWINGS 45

NOTE: (a) U.S. 150 to Ky. 1326
 (b) Ky. 1326 to U.S. 25

DESIGN CRITERIA

CLASS OF HIGHWAY	ARTERIAL
TYPE OF TERRAIN	ROLLING
DESIGN SPEED	60 mi/h
REQUIRED RFD	350'
REQUIRED PSD	N/R
LEVEL OF SERVICE	N/R
ADT PRESENT - 1981	(a) 5,500 (b) 3,900
ADT FUTURE - 2002	(a) 6,900 (b) 7,600
DMV (2002)	(a) 750 (b) 830
D %	5%
V %	5%

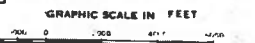
GEOGRAPHIC COORDINATES

LATITUDE 37° 21' NORTH
 LONGITUDE 85° 22' 20" WEST

DESIGNER

RESTRICTED SD: N/R
 LEVEL OF SERVICE: N/R
 MAX. DISTANCE W/O PASSING: N/R

THIS PROJECT IS A PARTIALLY CONTROLLED ACCESS HIGHWAY. ACCESS SHALL BE PROVIDED ONLY WHERE SPECIFICALLY INDICATED ON PLANS



LAYOUT MAP

DATE	13 390.5	LN. FT.	2 536	DATE	LN. FT.	DATE	LN. FT.	DATE	LN. FT.	DATE	LN. FT.	DATE	LN. FT.	DATE	LN. FT.	DATE	LN. FT.	DATE	LN. FT.
REVISION	13 390.5	LN. FT.	2 536	REVISION	LN. FT.	REVISION	LN. FT.	REVISION	LN. FT.	REVISION	LN. FT.	REVISION	LN. FT.	REVISION	LN. FT.	REVISION	LN. FT.	REVISION	LN. FT.
REVISION	NOT INCLUDED	LN. FT.	NOT INCLUDED	LN. FT.	REVISION	NOT INCLUDED	LN. FT.	REVISION	NOT INCLUDED	LN. FT.	REVISION	NOT INCLUDED	LN. FT.	REVISION	NOT INCLUDED	LN. FT.	REVISION	NOT INCLUDED	LN. FT.
REVISION	NOT INCLUDED	LN. FT.	NOT INCLUDED	LN. FT.	REVISION	NOT INCLUDED	LN. FT.	REVISION	NOT INCLUDED	LN. FT.	REVISION	NOT INCLUDED	LN. FT.	REVISION	NOT INCLUDED	LN. FT.	REVISION	NOT INCLUDED	LN. FT.

KY. DEPT. OF H'WAYS.
 AS STA. 819+09.50 TO 82+00 STA. 819+09.50
 CONST. REVISION NO. 2
 SEE CHG. ORDER NO. 1

SUBMITTED BY: [Signature] DATE: 5/1/93
 RECOMMENDED FOR APPROVAL BY: [Signature] DATE: 5/1/93
 APPROVED BY: [Signature] DATE: 5/1/93
 ASST. STATE HIGHWAY CONST.

KENTUCKY BUREAU OF HIGHWAYS
 ROCKCASTLE COUNTY
 KY 461
 SOMERSET - MOUNT VERNON ROAD

PLANS PREPARED BY AMERICAN ENGINEERS CONSULTING ENGINEERS, LEICESTER, KENTUCKY

PROJECT: F 461-1(2)
 NUMBER: FSP-102-0461-000-008 C
 LETTING DATE: 8-23-85

RECOMMENDED: Dec 6 1985 by P.D. Smith
 APPROVED BY: [Signature] DATE: 5/1/93
 PLAN CHECKED: 6/19/85 by [Signature]
 PLAN APPROVED: 6/20/85 by [Signature]
 PLAN APPROVED: 6/24/85 by [Signature]

PROJECT ENGINEER: [Signature]

NOT FOR FEDERAL AID
 RECORDED PLANS
 CONSTRUCTION PLANS

REVIEWED BY: DIVISION OF CONSTRUCTION

PLANS CHECKED BY: [Signature] DATE: 5/1/93

CONSTRUCTION REVISION INDEX

COUNTY: ROCKCASTLE

PROJECT NO.: F 461-1(X) FSP 02001 002-008

ROAD NAME: SOMERSET-MT. VERNON RD. (KY 461)

SHEET NO.	TOTAL SHEETS
1A	

CONSTRUCTION REVISION NO. 1
 RIGHT OF WAY IS IS NOT INVOLVED
 3 SHEETS IN REVISION / SEE CHANGE ORDER NO. 114
 DATE APPROVED BY FHWA: 2-17-86
 PAGE NOS. IN REVISION: 18, 23, 28

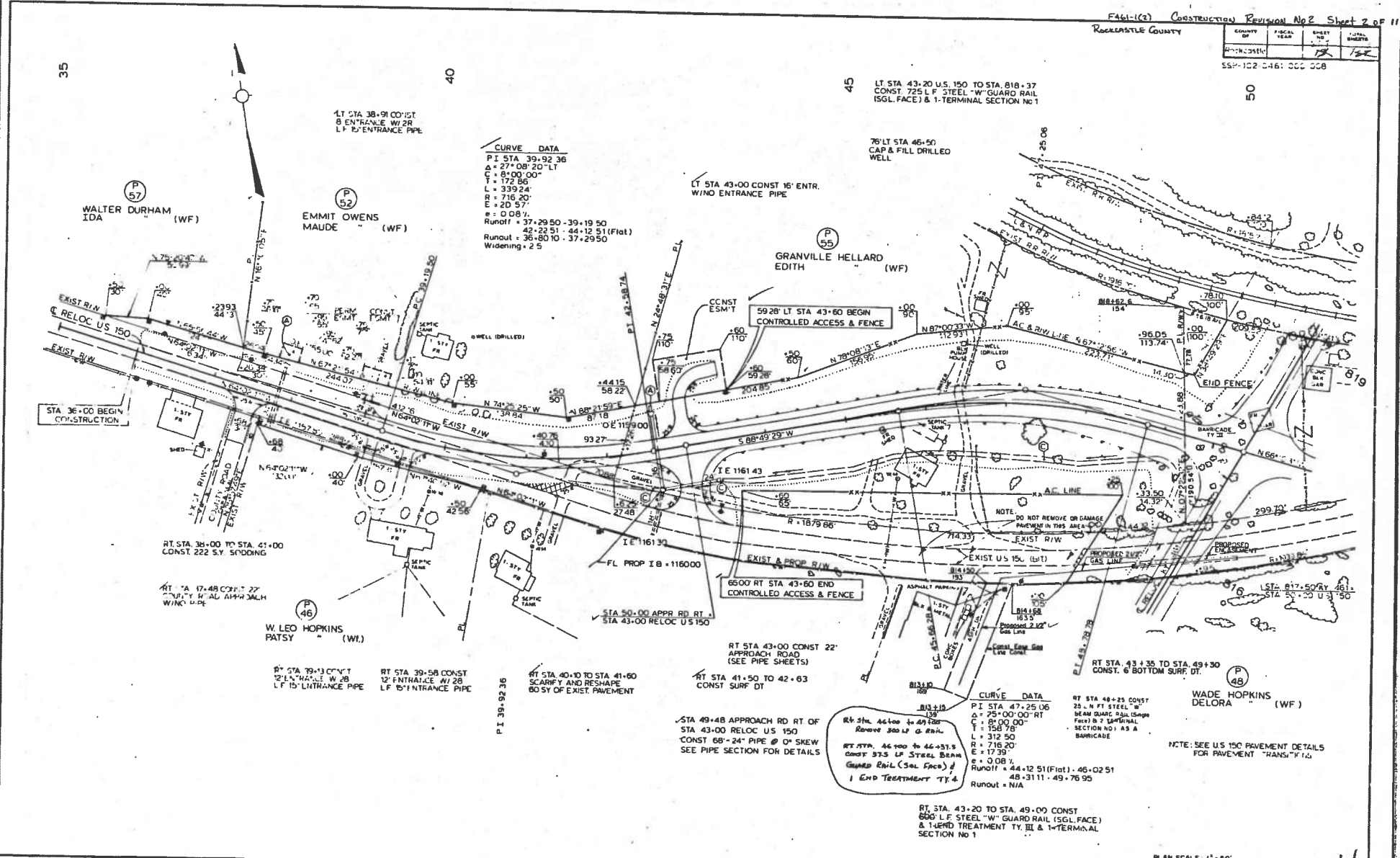
SUBMITTED BY: J. L. Kees PROJECT ENGINEER DATE: 2-17-86
 RECOMMENDED BY: L. M. Brown CHIEF DISTRICT ENGINEER DATE: 2-17-86
 RECOMMENDED BY: R. E. Boyd Jr. DIRECTOR OF CONSTRUCTION DATE: 2-22-86
 APPROVED BY: R. A. Wahlgren ASST. STATE HWY. ENGINEER COM. DATE: 2-27-86

EXPLANATION OF REVISION NO. 1
 Construction Revision No. 1 moves the opening in the access control fence from STA 98400 to STA 98400 AS detailed. Fence to be constructed continues in the vicinity of STA 985100. This change is necessary at the request of the owner of parcel NO. 101.

CONSTRUCTION REVISION NO. 2
 RIGHT OF WAY IS IS NOT INVOLVED
 24 SHEETS IN REVISION / SEE CHANGE ORDER NO. 3
 DATE APPROVED BY FHWA: 8-10-86
 PAGE NOS. IN REVISION: 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 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1858, 1859, 1860, 1861, 1862, 1863, 1864, 1865, 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1873, 1874, 1875, 1876, 1877, 1878, 1879, 1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 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COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
ROCKCASTLE		12	12

SSP-102-146: 000 008



CURVE DATA
 P I STA 39+92.36
 Δ = 27° 08' 20" LT
 C = 81' 00" 00"
 T = 172.86
 L = 339.24
 R = 716.20'
 E = 2D 57'
 e = 0.08'
 Runoff = 37+29.50 - 39+19.50
 42+22.51 - 44+12.51 (Flat)
 Runout = 36+80.10 - 37+29.50
 Widening = 2.5

CURVE DATA
 P I STA 47+25.06
 Δ = 25° 00' 00" RT
 C = 81' 00" 00"
 T = 158.78'
 L = 312.50
 R = 716.20'
 E = 17.39'
 e = 0.08'
 Runoff = 44+12.51 (Flat) - 46+02.51
 48+31.11 - 49+76.95
 Runout = N/A

RT STA. 43+20 TO STA. 49+00 CONST
 660' L.F. STEEL "W" GUARD RAIL (SGL FACE)
 & 1-TERM TREATMENT TY III & 1-TERMINAL
 SECTION NO 1

NOTE: SEE U.S. 150 PAVEMENT DETAILS
 FOR PAVEMENT TRANSITION

PLAN SCALE: 1" = 50'

RELOC. U.S. 150

4

COUNTY	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
ROCKCASTLE		4	11

SSP-102-0461-000-008

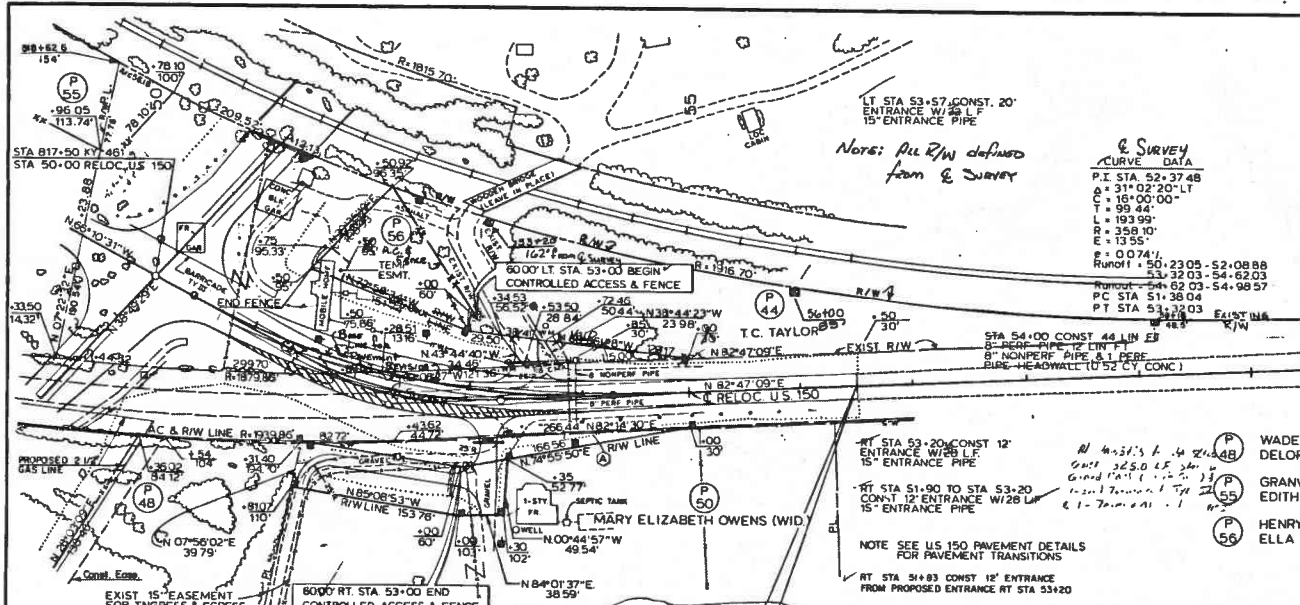
BASELINE
 CONSTRUCTION REVISION NO 2
 OFFICE PROJECTION
 CURVE DATA

P.I. STA. 52+37.48
 $\Delta = 31^{\circ}02'20"$ LT
 $C = 8^{\circ}00'00"$
 $T = 190.88'$
 $L = 387.99'$
 $R = 716.20'$
 $E = 27.10'$
 $e = 0.0741'$
 RUMPT = 50+23.05 - 52+08.88
 PC STA 51+62.03 - 54+98.57
 PT STA 53+32.03

& SURVEY
 CURVE DATA

P.I. STA. 52+37.48
 $\Delta = 31^{\circ}02'20"$ LT
 $C = 16^{\circ}00'00"$
 $T = 99.44'$
 $L = 193.99'$
 $R = 358.10'$
 $E = 13.55'$
 $e = 0.0741'$
 RUMPT = 50+23.05 - 52+08.88
 PC STA 51+62.03 - 54+98.57
 PT STA 53+32.03

Notes: All R/W defined from & survey

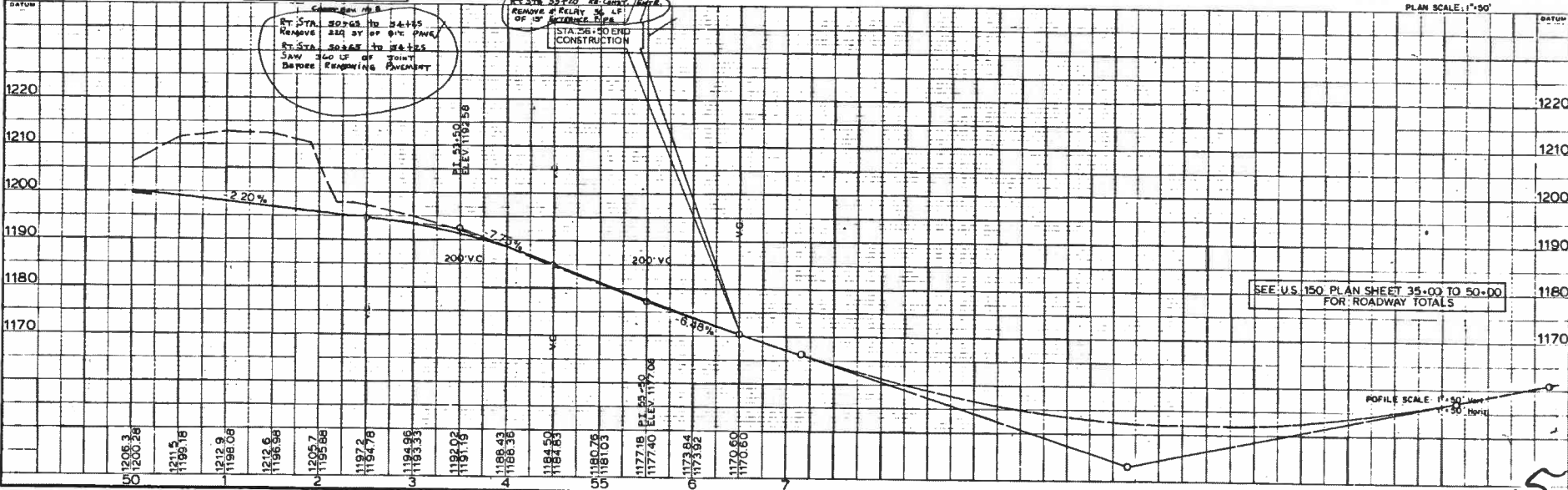


RT STA 53-20 CONST 12' ENTRANCE W/28 LF 15' ENTRANCE PIPE
 RT STA 51-90 TO STA 53-20 CONST 12' ENTRANCE W/28 LF 15' ENTRANCE PIPE
 RT STA 51-03 CONST 12' ENTRANCE FROM PROPOSED ENTRANCE RT STA 53+20

NOTE SEE U.S. 150 PAVEMENT DETAILS FOR PAVEMENT TRANSITIONS

WADE HOPKINS (WF)
 DELORA (WF)
 GRANVILLE HELLARD EDITH (WF)
 HENRY HELLARD ELLA (WF)

RURAL ARTERIAL ROAD - SPECIAL
 DESIGN SPEED 50MPH
 TYPE TERRAIN ROLLING



SEE U.S. 150 PLAN SHEET 35+00 TO 50+00 FOR ROADWAY TOTALS

PROFILE SCALE: 1" = 30' VERT
 1" = 30' HORIZ

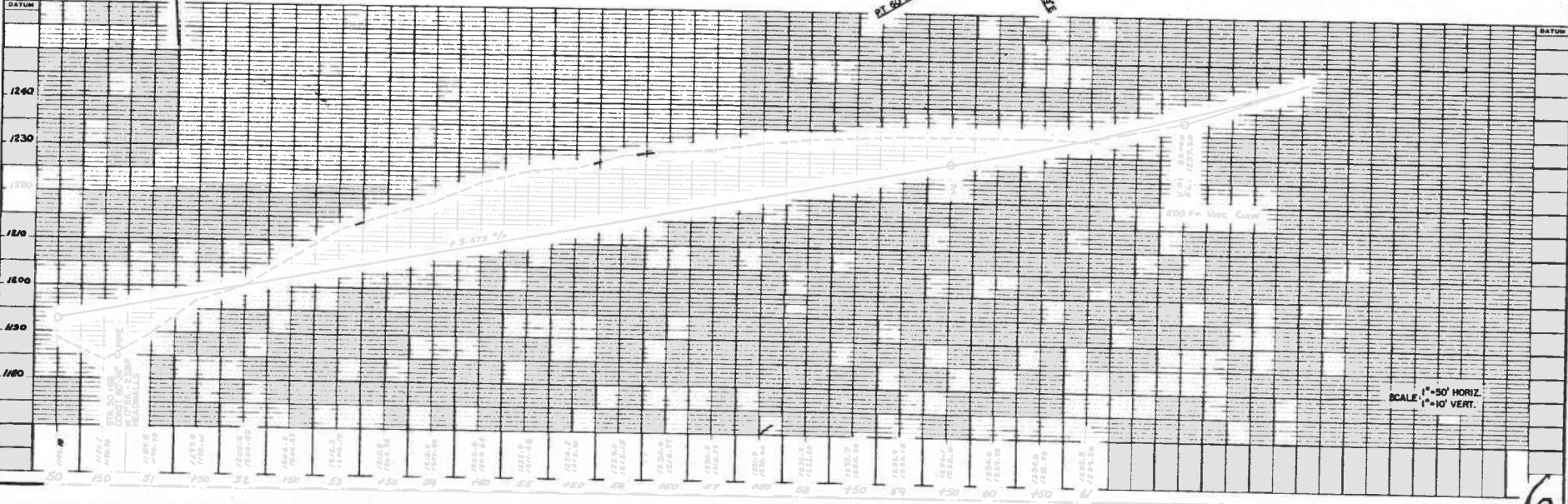
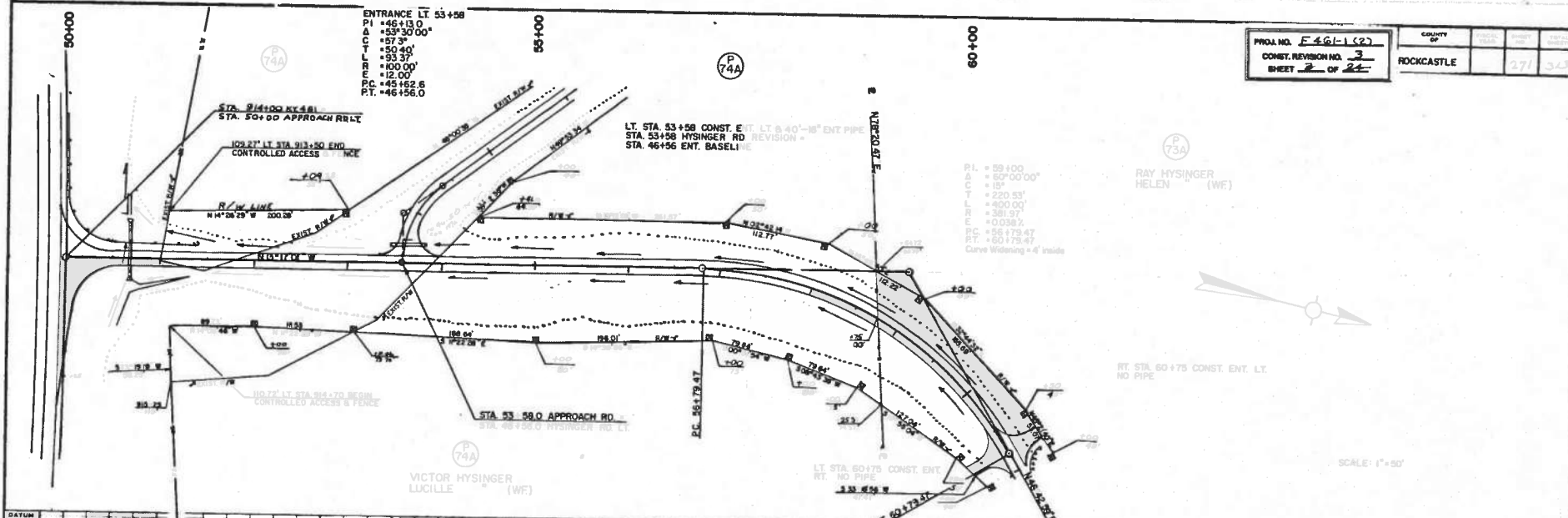
PROJ. NO. F 46-1 (2)
 CONST. REVISION NO. 3
 SHEET 2 OF 21

COUNTY OF	ROCKCASTLE
SHEET NO.	21
OF SHEETS	21

ENTRANCE LT 53+58
 P1 +46+13.0
 A 53°30'00"
 C 57°3"
 T +50.40'
 L 93.37'
 R 100.00'
 E +12.00'
 P.C. +45+52.6
 P.T. +46+56.0

LT. STA. 53+58 CONST. ENT. LT. & 40'-18" ENT. PIPE
 STA. 53+58 HYSINGER RD REVISION
 STA. 46+56 ENT. BASELINE

P.L. = 59+00
 T.C.T. = 18'
 T.L. = 220.53'
 L = 400.00'
 E = 381.97'
 +0.038%
 P.C. = 56+175.47
 P.T. = 60+175.47
 Curve Wearing +4' inside



SCALE 1"=50' HORIZ.
 1"=10' VERT.

6

PROJ. NO. F40-1(2)
 CONST. REVISION NO. 3
 SHEET 4 OF 24

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
ROCKCASTLE		27	33

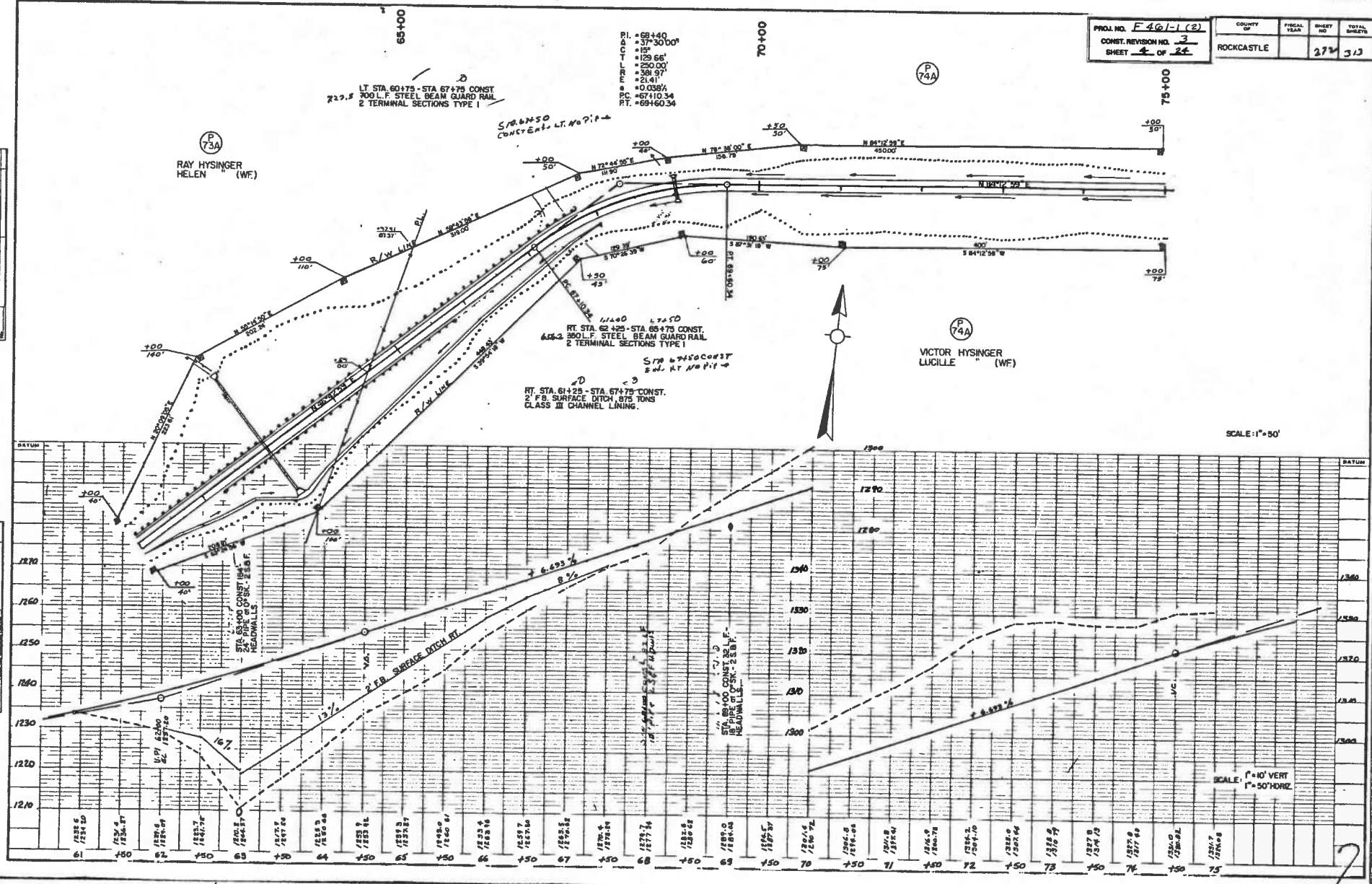
PLAN

DATE	
BY	
CHECKED	
APPROVED	

PROFILE

DATE	
BY	
CHECKED	
APPROVED	

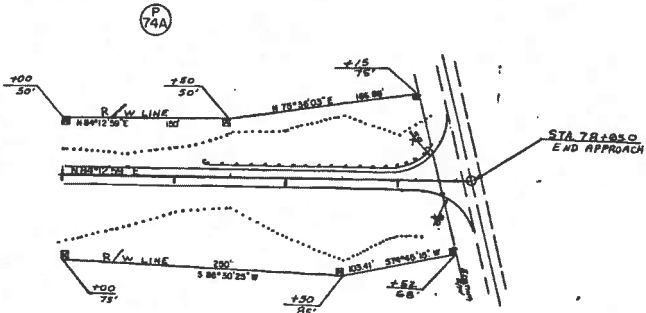
DATE: 11/18/78
 SCALE: 1" = 50'



7

75+00

LT. STA 75+25 - STA 76+25 CONST
200 L.F STEEL W BEAM GUARD RAIL
2 TERMINAL SECTIONS TYPE 1



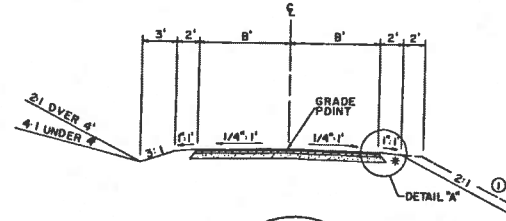
VICTOR HYSINGER
LUCILLE (WF)

SCALE: 1"=50'

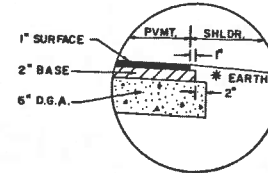
TYPICAL SECTIONS

APPROACH ROAD AT KY. 461 STA. 914+00

Scale: 1"=5'



① SEE CROSS-SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDERS.



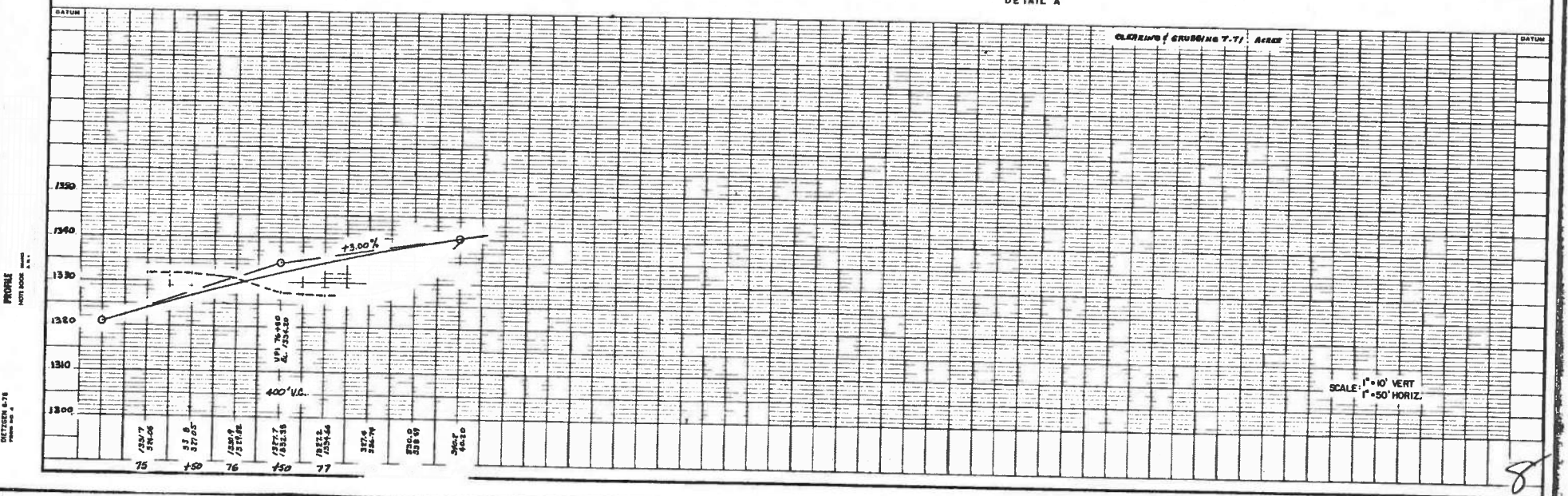
CONSTRUCTION: GRADE, DRAIN, AND FLEXIBLE PAVEMENT USING

- APPROXIMATELY 8" BASE — 6" COMPACTED DENSE GRADED AGGREGATE
- 2" COMPACTED BITUMINOUS CONCRETE BASE
- TACK COAT — APPLY AS DIRECTED BY THE ENGINEER
- APPROXIMATELY 1" SURFACE — 1" COMPACTED BITUMINOUS CONCRETE SURFACE
- SHOULDERS — EARTH

DETAIL "A"

PLAN	DATE	BY	CHECKED

PROJ. NO. F 461-1(2)	COUNTY OF ROCKCASTLE	FISCAL YEAR	SHEET NO. 273	TOTAL SHEETS 513
CONST. REVISION NO. 3				
SHEET 5 OF 24				



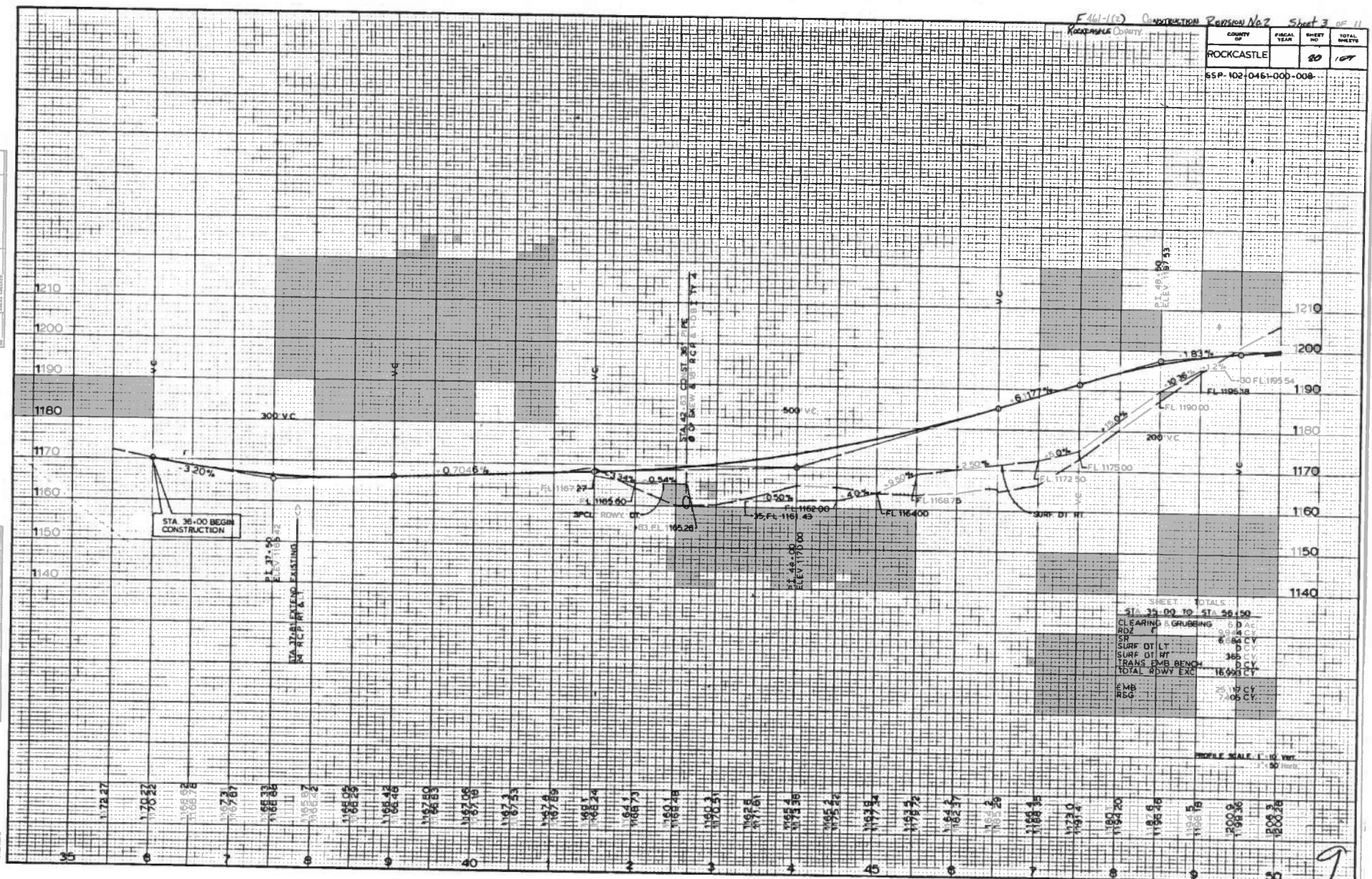
CLEARING / GRUBBING 7.77 ACRES

SCALE: 1"=10' VERT
1"=50' HORIZ.

8

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
ROCKCASTLE		30	107

55P-102-0461-000-008



SHEET TOTALS:

STA 35+00 TO STA 56+50	
CLEARING & GRUBBING	6.0 AC
RD 2	2.84 CY
SR	6.00 CY
SURF DI LT	0.00 CY
SURF DI RT	3.85 CY
TRANS EMB BENCH	0.00 CY
TOTAL RDWY EXC	16.99 CY
EMB	25.10 CY
RSG	7.05 CY

PROFILE SCALE 1" = 10' VERT.

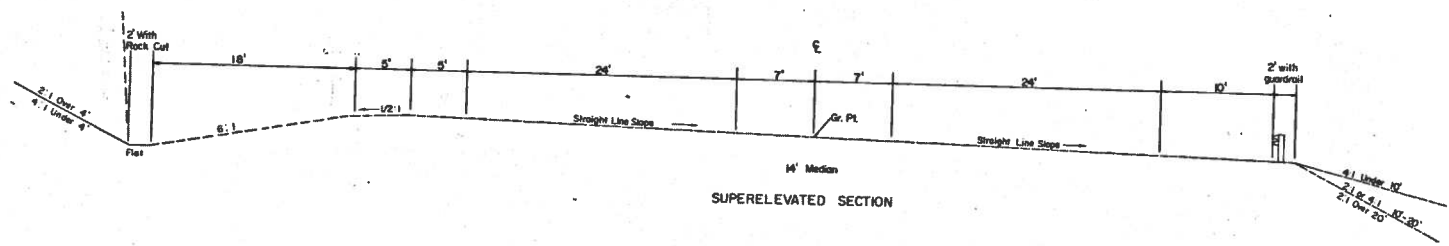
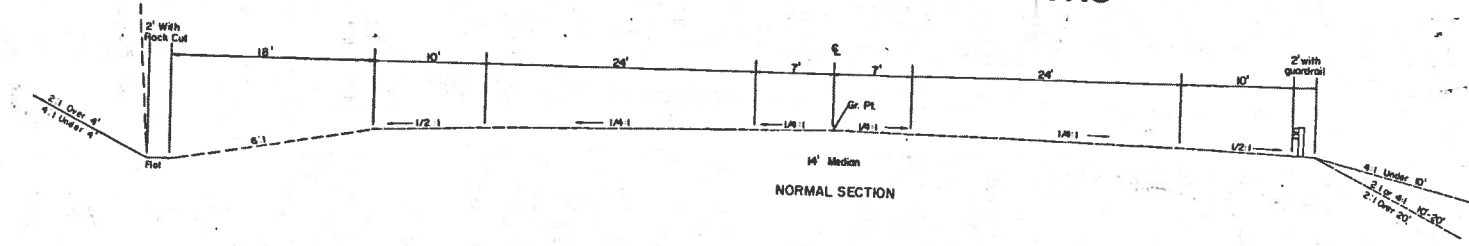
DATE	BY	REVISION

DATE	BY	REVISION

9

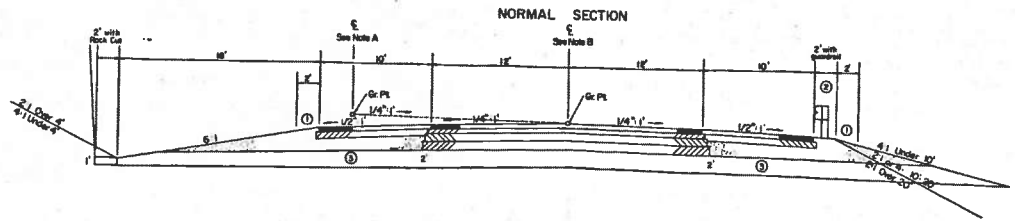
ULTIMATE TYPICAL SECTIONS

F461-1(C)			
COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle		2	257

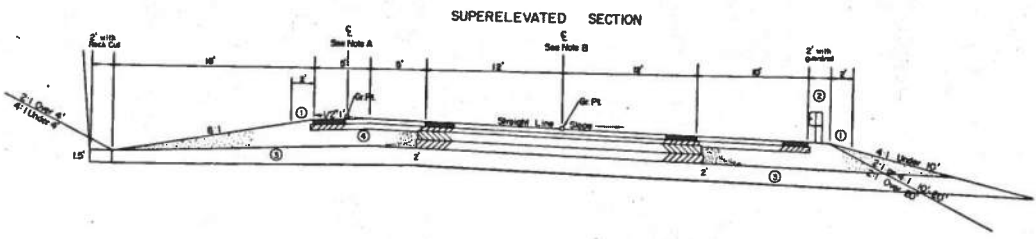


INITIAL TYPICAL SECTIONS

F-661-1(2)			
COUNTY OF	FISCAL YEAR	SHEET NO	TOTAL SHEETS
Rockcastle		2a	267



NOTE A : Use this center line from Sta. 819+09.50 to Sta. 936+80.99.
 NOTE B : Use this center line from Sta. 936+80.99 to Sta. 953+100.00.



NEW CONSTRUCTION: Grade, Drain, & Surfacing
 — using —

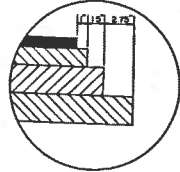
- APPROXIMATELY 5 1/2" BASE — [5 1/2" Compacted depth Bituminous Concrete Base (2-2 3/4" Courses)]
- APPROXIMATELY 1 1/2" BINDER — [1 1/2" Compacted depth Bituminous Concrete Binder.]
- APPROXIMATELY 1" SURFACE — [1" Compacted depth Bituminous Concrete Surface.]
- TACK COAT — [APPLY AS DIRECTED BY THE ENGINEER (BETWEEN EACH COURSE)]
- SHOULDERS — [Full Depth Dense Graded Aggregate Base
 2.4 LB./S.Y. Bituminous Prime Coat
 2" Compacted depth Bituminous Concrete Base.
 1" Compacted depth Bituminous Concrete Surface.
 TACK COAT (Apply As Directed By The Engineer)]

— NOTES —

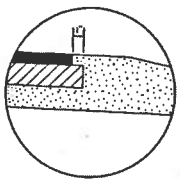
- ① Bituminous Seal required from outside edge of paved shoulders to a point 2' down the ditch or fall slope.
 2.40 LB./S.Y. Bituminous Seal Coat.
 20 LB./S.Y. Crushed Limestone Size No. 8 or 9M.
 2.40 LB./S.Y. Bituminous Seal Coat.
- ② 20 LB./S.Y. Crushed Limestone Size No. 8 or 9M.
 Shoulders shall be widened 2' where quadrants is to be installed.
- ③ Rock Sub-Grade shall be Constructed in Accordance with Article 204.10.01 of the 1985 Standard Specifications.
- ④ Super-elevated Shoulder — Construct to standard super-elevation, except not flatter than the slopes indicated above for normal shoulders.

See Cross Sections for slopes outside the limits of the shoulders.

STEP-OUT DETAIL FOR PAVEMENT



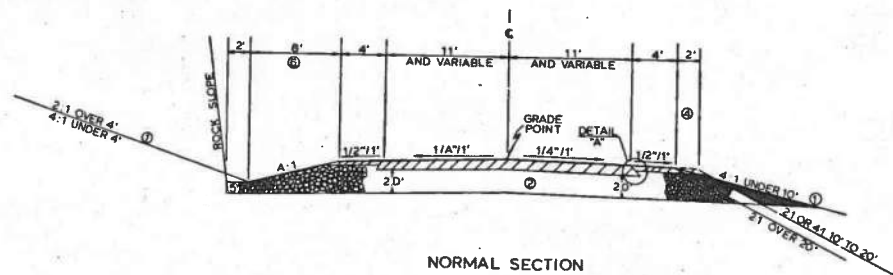
STEP-OUT DETAIL FOR SHOULDERS



TYPICAL SECTIONS RELOCATED KY 1326

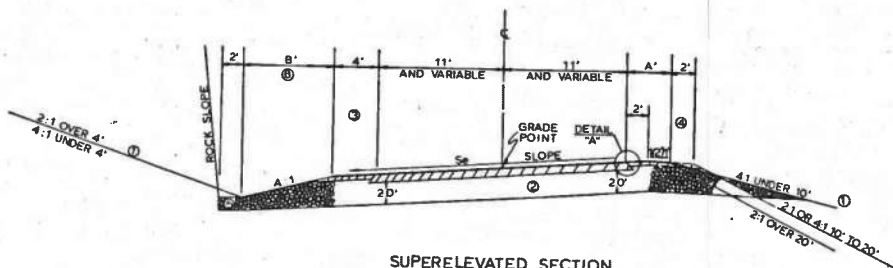
SCALE: 1" = 5'

F-461-1(2)			
COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle		2b	257



NORMAL SECTION

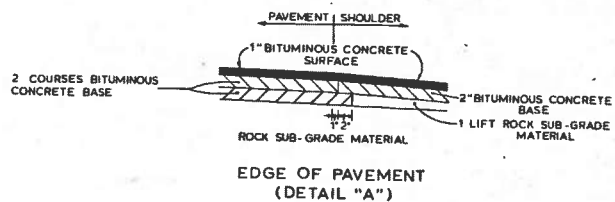
STA. 98+79.89 TO STA. 99+37.00
STA. 103+19.45 TO STA. 107+00



SUPERELEVATED SECTION

STA. 91+53.63 TO STA. 92+82.32
STA. 94+57.59 TO STA. 96+79.69
STA. 100+94.00 TO STA. 103+19.45

- ① SEE CROSS-SECTIONS FOR SLOPES & DITCHES OUTSIDE THE LIMITS OF THE SHOULDERS
- ② ROCK SUB-GRADE SHALL BE CONSTRUCTED IN ACCORDANCE WITH ARTICLE 204.1001 OF THE 1985 STANDARD SPECIFICATIONS
- ③ SUPERELEVATED SHOULDERS TO BE CONSTRUCTED TO STANDARD SUPERELEVATION EXCEPT NOT FLATTER THAN THE SLOPE INDICATED FOR NORMAL SHOULDERS
- ④ WIDEN SHOULDER 2' FOR GUARDRAIL
- ⑤ ROCK SUB-GRADE TO BE PLACED 1' IN DEPTH UNDER 2' BOTTOM DITCH
- ⑥ TRANSITION FROM ROADWAY DITCH BENCH TO NORMAL DITCH SHALL BE 1:25



- NEW CONSTRUCTION: GRADE, DRAIN, AND FLEXIBLE PAVEMENT — USING —
- APPROXIMATELY 4" BASE — 4" COMPACTED BITUMINOUS CONCRETE BASE (2 COURSES)
 - TACK COAT — BY THE ENGINEER — APPLY AS DIRECTED
 - APPROXIMATELY 1" SURFACE — 1" COMPACTED BITUMINOUS CONCRETE SURFACE
 - SHOULDER — ONE LIFT OF ROCK SUB-GRADE MATERIAL
2" COMPACTED BITUMINOUS CONCRETE BASE
TACK COAT — APPLY AS DIRECTED BY THE ENGINEER
1" COMPACTED BITUMINOUS CONCRETE SURFACE

TYPICAL SECTION

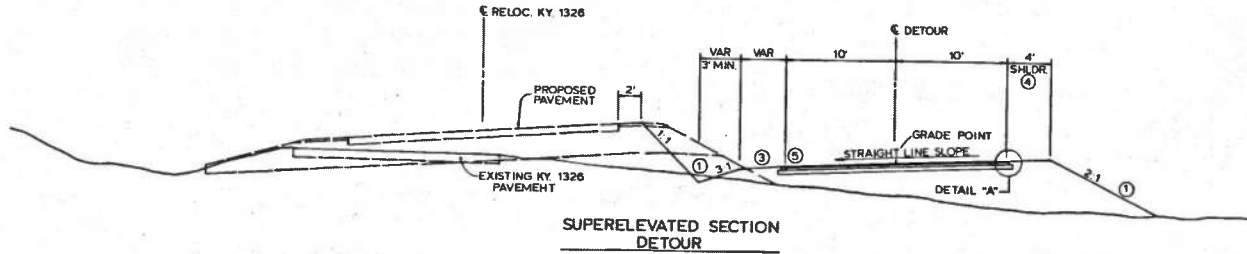
KY. 1326 DETOUR

SCALE · 1" = 5'

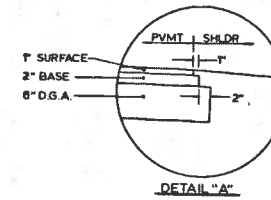
F 461-1(2)

COUNTY DIST.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle		20	27

FSP-102-0461-000-006



SUPERELEVATED SECTION
DETOUR



- ① SEE CROSS SECTION FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDERS
- ② TO BE USED WHEN AND WHERE NEEDED AS DIRECTED BY THE ENGINEER
- ③ SUPERELEVATED SHOULDERS TO BE CONSTRUCTED TO STANDARD SUPERELEVATION, EXCEPT NOT FLATTER THAN THE SLOPES INDICATED FOR NORMAL SHOULDERS
- ④ SHOULDERS SHALL BE WIDENED 2' FOR GUARDRAIL
- ⑤ SEE CURVE DATA ON PLAN SHEETS FOR WIDTH OF CURVE WIDENING

TEMPORARY CONST. : GRADE, DRAIN, AND FLEXIBLE PAVEMENT
— USING —

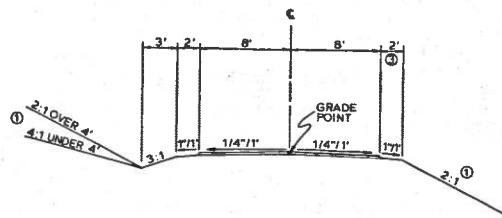
- APPROXIMATELY 8" BASE — 6" COMPACTED DENSE GRADED AGGREGATE
2" COMPACTED BITUMINOUS CONCRETE BASE
- TACK COAT — BY THE ENGINEER APPLY AS DIRECTED
- ② APPROXIMATELY 1" SURFACE — 1" COMPACTED BITUMINOUS CONCRETE SURFACE
- SHOULDERS — EARTH

13

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle		2d	257

TYPICAL SECTIONS

SCALE: 1" = 5'

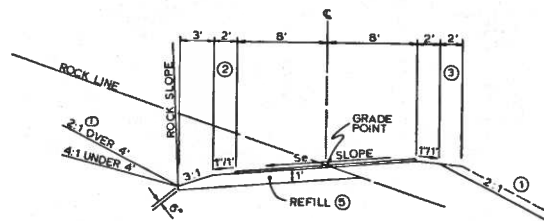


NORMAL SECTION

APPROACH LT. KY. 461 STA. 880+50

HYSINGER ROAD
 STA. 38+00.00 TO STA. 47+09.57
 STA. 48+55.57 TO STA. 49+57.00

- ① SEE CROSS-SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDERS.
- ② SUPERELEVATED SHOULDERS TO BE CONSTRUCTED TO STANDARD SUPERELEVATION EXCEPT NOT FLATTER THAN THE SLOPE INDICATED FOR NORMAL SHOULDERS.
- ③ WIDEN SHOULDER 2' FOR GUARDRAIL
- ④ SEE CURVE DATA ON PLAN SHEETS FOR WIDTHS OF CURVE WIDENING.
- ⑤ REFILL IN ROCK CUT SECTIONS ONLY



SUPERELEVATED SECTION

HYSINGER ROAD
 STA. 47+09.57 TO STA. 48+55.57

CONSTRUCTION: GRADE, DRAIN, AND T.B.M. SURFACE
 USING

T.B.M. SURFACE — CRUSHED LIMESTONE SIZE NO. 610 APPLIED LOOSE (APPLIED AT A RATE EQUIVALENT TO 2" COMPACTED DEPTH)

SHOULDERS — EARTH

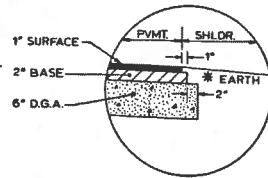
14

F 461-1(2)			
COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle		26	257

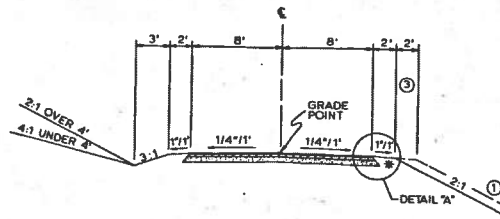
TYPICAL SECTIONS

COUNTY ROAD @ KY 461 STA. 934+00

SCALE: 1" = 5'

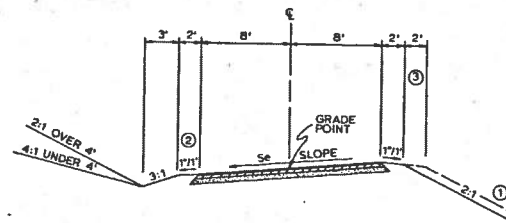


DETAIL 'A'



NORMAL SECTION

STA. 34+0000 TO STA. 34+1891
 STA. 36+9820 TO STA. 37+3147
 STA. 40+1228 TO STA. 49+7000



SUPERELEVATED SECTION

STA. 34+1891 TO STA. 36+9820
 STA. 37+3147 TO STA. 40+1228

- ① SEE CROSS-SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDERS.
- ② SUPERELEVATED SHOULDERS TO BE CONSTRUCTED TO STANDARD SUPERELEVATION, EXCEPT NOT FLATTER THAN THE SLOPES INDICATED FOR NORMAL SHOULDERS.
- ③ WIDEN SHOULDER 2' FOR GUARDRAIL.
- ④ SEE CURVE DATA ON PLAN SHEETS FOR WIDTH OF CURVE WIDENING.

CONSTRUCTION: GRADE, DRAIN, AND FLEXIBLE PAVEMENT
 USING

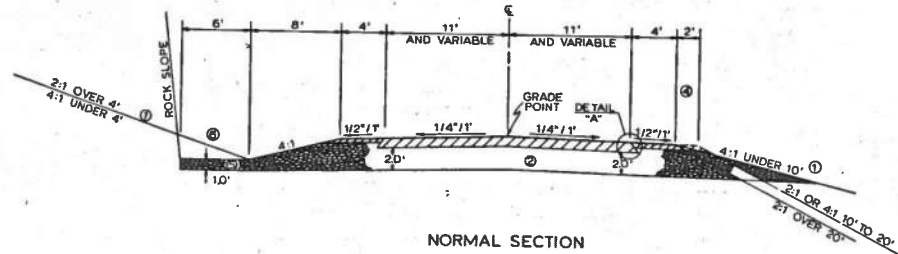
- APPROXIMATELY 8" BASE — 6" COMPACTED DENSE GRADED AGGREGATE
 2" COMPACTED BITUMINOUS CONCRETE BASE
- TACK COAT — BY THE ENGINEER APPLY AS DIRECTED
- APPROXIMATELY 1" SURFACE — 1" COMPACTED BITUMINOUS CONCRETE SURFACE
- SHOULDERS — EARTH

TYPICAL SECTIONS

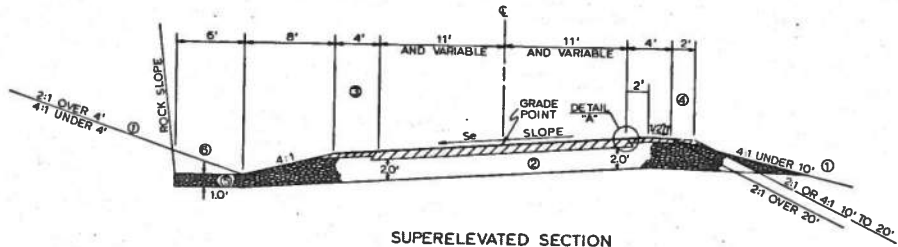
U.S. 25 SOUTH CONNECTOR

SCALE: 1" = 5'

F 44-1(2)			
COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle		27	257

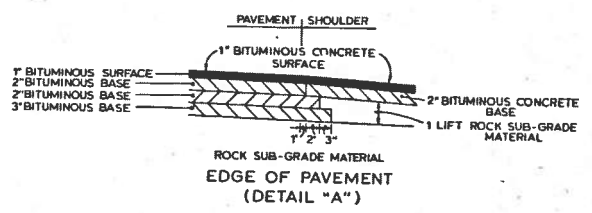


NORMAL SECTION
 STA 50+81.00 TO STA 51+66.67
 STA 54+58.55 TO STA 56+00.00



SUPERELEVATED SECTION
 STA 51+66.8 TO STA 54+58.56'

- ① SEE CROSS-SECTIONS FOR SLOPES & DITCHES OUTSIDE THE LIMITS OF THE SHOULDERS
- ② ROCK SUB-GRADE SHALL BE CONSTRUCTED IN ACCORDANCE WITH ARTICLE 204.10.01 OF THE 1979 STANDARD SPECIFICATIONS
- ③ SUPERELEVATED SHOULDERS TO BE CONSTRUCTED TO STANDARD SUPERELEVATION EXCEPT NOT FLATTER THAN THE SLOPE INDICATED FOR NORMAL SHOULDERS
- ④ WIDEN SHOULDER 2' FOR GUARDRAIL
- ⑤ ROCK SUB-GRADE TO BE PLACED 1' IN DEPTH UNDER 6" BOTTOM DITCH
- ⑥ TRANSITION FROM ROADWAY DITCH BENCH TO NORMAL DITCH SHALL BE 1.25



- NEW CONSTRUCTION: GRADE, DRAIN, AND FLEXIBLE PAVEMENT — USING —
- APPROXIMATELY 7" BASE — 7" COMPACTED BITUMINOUS CONCRETE BASE (3 COURSES)
 - TACK COAT — BY THE ENGINEER, . . . APPLY AS DIRECTED
 - APPROXIMATELY 1" SURFACE — 1" COMPACTED BITUMINOUS CONCRETE SURFACE
 - SHOULDER — ONE LIFT OF ROCK SUB-GRADE MATERIAL
 2" COMPACTED BITUMINOUS CONCRETE BASE (8.8 LBS. PER SQ. YD. (TACK COAT), (APPLY AS DIRECTED BY THE ENGINEER)
 1" COMPACTED BITUMINOUS CONCRETE SURFACE

DETSCAN 748-75 FORM NO. 8

16

GENERAL SUMMARY

STATE	FISCAL YEAR	PROJECT NO.	TOTAL BIDDERS
Kentucky	29	457	

FSP-102-0461-000-008

ITEM	UNIT	RELOCATED KY 461	RELOCATED KY 1328	HYSINGER RD	COUNTY ROAD @ 834+00	U.S. 25 SOUTH CONNECTOR	KY 1326 DETOUR	TOTAL PROJECT	Project Total Changes
CLEARING AND GRUBBING	LP SUM							0	
ROADWAY EXCAVATION	CU YD	1,293,031	13,000	10,800	7,005	1,099		1326908	1326908
WATER	1000 GAL	1268						1268	1268
STEEL "W" BEAM GUARD RAIL (Single Face)	LIN. FT.	11,462.5	1475	125	2600	275		15,937.5	14,821
GUARD RAIL CONNECTOR TO BRIDGE END TYPE A	EACH	4						4	4
GUARD RAIL TERMINAL SECTION NO 1	EACH	14	2	1	6	1		24	23
GUARD RAIL END TREATMENT TYPE 2A	EACH	7						7	5
GUARD RAIL END TREATMENT TYPE 3	EACH	6	2					8	5
GUARD RAIL END TREATMENT TYPE 4	EACH					1		1	3
WOVEN WIRE R/W FENCE	LIN. FT.	25,245						25,245	25,245
RIGHT OF WAY MARKER MUNICIPAL TYPE 1	EACH		8		3			11	9
RIGHT OF WAY MARKER RURAL TYPE 1	EACH	8	4	8	20			38	38
BITUMINOUS WEDGE CURB	LIN. FT.	2115						2115	0
CHANNEL LINING CLASS II	TON	464						464	133.8
CHANNEL LINING CLASS III	TON	6609	107		1386	300		8402	2142.4
FILLING AND CAPPING WELL	EACH	1			1			2	0
FILLING AND CAPPING CISTERN	SQ. FT.	64						64	0
REMOVING PAVEMENT	SO. YD.	2664						2664	1
TEMPORARY GUARD RAIL	LIN. FT.						1125	1125	1163
GUARDRAIL TERMINAL SECTION NO. 1	EACH						3	3	4
REMOVING TEMPORARY GUARDRAIL	LIN. FT.						1125	1125	1163
REMOVING GUARDRAIL TERMINAL SECTION	EACH						3	3	4
SILT CHECK	EACH	30	2		6	2		40	2
FLUME INLET TYPE 1	EACH	2						2	0
FLUME INLET TYPE 2	EACH	2						2	0
PAVED DITCH TYPE 1	SQ. YD.	153						153	0
SPECIAL SEEDING CROWN VETCH	LB.							838	1101
SEEDING AND PROTECTION METHOD 1 (MULCH W/SETTING)	SQ. YD.							720	0
SEEDING AND PROTECTION METHOD 2 (BITUMINOUS MULCH)	SQ. YD.							346.15	262.336
SODDING	SQ. YD.							1209	0
AGRICULTURAL LIMESTONE	TON							254	233
10-20-20 FERTILIZER	TON							35.8	22.8
20-10-10 FERTILIZER	TON							17.9	7.4
TEMPORARY EROSION CONTROL	MULCH							6.9	0
SEED	LB.							519	0
BITUMINOUS MATERIAL	GAL.							710	0
CORRECTIVE SEED	LB.							310	0
STRAW	TON							6.9	0
STAKING	LP SUM							LP SUM	
MOBILIZATION	LP SUM							LP SUM	
DEMobilIZATION	LP SUM							LP SUM	
MAINTAIN AND CONTROL TRAFFIC	LP SUM							LP SUM	

- ① APPROXIMATELY 88.5 ACRES.
- ② FOR DUST CONTROL ONLY.

ROADWAY EXCAVATION INCLUDES THE FOLLOWING

EMB BENCH	SURF DITCH	PIPE SUMMARY	B-I BEDDING	DAM REMOVAL
⑤ 10971	7357	97	378	17778
④ 2192	674	2		
③ 143		1		
⑥ 5309	1056	8	74	
⑦ 369	364			

TOTAL PROJECT EARTHWORK CALCULATION

386,227	RDZ
893,908	Solid Rock
134,086	(+ 15% Swell on 893,908 Cu. Yd.)
-305,470	Waste
1,108,751	
928,337	Emb. RSG
88,866	RSG
1,017,203	
91,548	(+ 9% Shr. on 1,017,203 Cu. Yd.)
1,108,751	

DISTRICT USE ONLY
 DATE 5-10-78
 FORM NO. 28

PAVING AREAS

P461-1(2)

COUNTY OF	FISCAL YEAR	SHEET NO.	ESTAL NUMBER
ROOKCASTLE		24	257

ITEM	RELOCATED ⓪ KY. 461	RELOCATED KY. 1326	RD. APPROACH AT	880+50	HYSINGER ROAD	COUNTY RD. AT 934+50	US 25 SOUTH CONNECTOR	SHOULDERS	ENTRANCES	KY. 1326 DETOUR										TOTAL PROJECT	
																					S O U A R E Y A R D S
1" BITUMINOUS CONCRETE SURFACE	43,536	4,112				2,954	1,452		208	3,388											55,650
1 1/2" BITUMINOUS CONCRETE BINDER	43,838																				43,838
2" BITUMINOUS CONCRETE BASE						2,985		33,317	211	3,416											39,929
4" BITUMINOUS CONCRETE BASE		4,189																			4,189
5 1/2" BITUMINOUS CONCRETE BASE	44,330																				44,330
7" BITUMINOUS CONCRETE BASE							1,510														1,510
4" DENSE GRADED AGGREGATE BASE									215												215
6" DENSE GRADED AGGREGATE BASE						3,046				3,473											6,519
FULL DEPTH COMPACTED DENSE GRADED AGGREGATE BASE									44,057												44,057
BITUMINOUS PRIME COAT									33,317												33,317
BITUMINOUS SEAL COAT								8,700													8,700
TRAFFIC BOUND BASE			457		2,064					2,386											4,907
1" BITUMINOUS CONCRETE SURFACE								31,854													31,854

BASIS FOR BITUMINOUS CONCRETE ESTIMATE
(POUNDS PER SQUARE YARD PER INCH OF DEPTH)

LIME- STONE	SLAG	GRAVEL		CLASS "A"	CLASS "S"
		SILICEDUS	CALCAR- EUS		
110	102	107	109	108	106

⓪ INCLUDES INTERSECTION AREAS FOR APPROACHES
AND ENTRANCES RECEIVING MAINLINE SURFACE
DESIGN. SEE CURRENT EDITION STD. DWG. NO.
RPM 110-01

MULTI-PURPOSE
FORM NO. 29

18

PAVING QUANTITIES

ITEM	UNIT	TOTAL PROJECT	O U A N T I T I E S									
RIGID PAVEMENT												
	sq. yd.											
FLEXIBLE PAVEMENT WITH THE FOLLOWING COMPONENTS												
BITUMINOUS CONCRETE BASE WITH ONE OF THE FOLLOWING COARSE AGGREGATES												
CRUSHED LIMESTONE	TON											
CRUSHED SLAG												
CRUSHED GRAVEL												
AND												
BITUMINOUS MIXTURE FOR LEVELING & WEDGING WITH ONE OF THE FOLLOWING COARSE AGGREGATES												
CRUSHED LIMESTONE	TON											
CRUSHED SLAG												
CRUSHED GRAVEL												
AND												
BITUMINOUS CONCRETE BINDER WITH ONE OF THE FOLLOWING COARSE AGGREGATES												
CRUSHED LIMESTONE	TON											
CRUSHED SLAG												
CRUSHED GRAVEL												
AND												
BITUMINOUS CONCRETE SURFACE WITH ONE OF THE FOLLOWING COARSE AGGREGATES												
CRUSHED LIMESTONE	TON											
CRUSHED SLAG												
CRUSHED GRAVEL												
AND												
BITUMINOUS CONCRETE SURFACE (SHOULDER) WITH ONE OF THE FOLLOWING COARSE AGGREGATES												
CRUSHED LIMESTONE	TON											
CRUSHED SLAG												
CRUSHED GRAVEL												
AND												
BITUMINOUS CONCRETE SURFACE WITH ONE OF THE FOLLOWING COARSE AGGREGATES												
CRUSHED LIMESTONE	TON											
CRUSHED SLAG												
CRUSHED GRAVEL												
WITH												
DENSE GRADED AGGREGATE BASE WITH ONE OF THE FOLLOWING AGGREGATES												
CRUSHED LIMESTONE	TON											
CRUSHED SLAG												
AND												
BITUMINOUS SEAL COAT WITH ONE OF THE FOLLOWING AGGREGATES												
CRUSHED LIMESTONE	TON											
CRUSHED SLAG												
CRUSHED GRAVEL												
OR												
CRUSHED LIMESTONE	TON											
CRUSHED SLAG												
CRUSHED GRAVEL												
OR												
CRUSHED LIMESTONE	TON											
CRUSHED SLAG												
CRUSHED GRAVEL												
WITH												
BITUMINOUS TACK COAT												
CRUSHED LIMESTONE	TON											
CRUSHED SLAG												
AND												
BITUMINOUS PRIME COAT												
CRUSHED LIMESTONE	TON											
CRUSHED SLAG												
CRUSHED GRAVEL												
AND												
BITUMINOUS SEAL COAT												
CRUSHED LIMESTONE	TON											
CRUSHED SLAG												
CRUSHED GRAVEL												
AND WITH												
TRAFFIC BOUND BASE WITH ONE OF THE FOLLOWING AGGREGATES												
CRUSHED LIMESTONE	TON											
CRUSHED SLAG												
CRUSHED GRAVEL												
OR												
CRUSHED LIMESTONE	TON											
CRUSHED SLAG												
CRUSHED GRAVEL												

① ESTIMATED AT 115 LBS. PER SQ. YD. PER INCH OF DEPTH.
 ② ESTIMATED AT 105 LBS. PER SQ. YD. PER INCH OF DEPTH.
 ③ INCLUDES 10% ADDITIONAL MATERIAL ALLOWANCE NOT TO EXCEED 5% OF THE PAVEMENT DESIGN AS A CONSTRUCTION TOLERANCE ON ROCK SUBGRADE.

PIPE DRAINAGE SUMMARY

F 461-1(2)

SHEET NO.	LOCATION	SKEW	CULVERT PIPE										TRANSVERSE DRAINS				ENTRANCE PIPE				CULVERT PIPE		REMARKS
			24"	30"	42"	42"	54"	66"	DITCH EXCAVATION (ROADWAY)	ROADWAY EXCAV. FOR BI BEDDING	STEEL REINFORCEMENT	SLOPED BOX INLET OR OUTLET TYPE 1	PERFORATED SEE STD. SPEC. NO. RDP-001 FOR ALT. 5.	NO. IN SERIES SAME ALTERNATE AS PER PIPE	15"	18"	24"	17" x 13"	18"				
			RCP CL. III 14 GA. BCCSP OR 14 GA. BECCAP	RCP CL. III 14 GA. BCCSP OR 14 GA. BECCAP	RCP CL. III 14 GA. BCCSP OR 14 GA. BECCAP	RCP CL. III 14 GA. BCCSP OR 14 GA. BECCAP	RCP CL. III 14 GA. BCCSP OR 14 GA. BECCAP	RCP CL. III 14 GA. BCCSP OR 14 GA. BECCAP							RCP CL. III 14 GA. BCCSP OR 14 GA. BECCAP	RCP CL. III 14 GA. BCCSP OR 14 GA. BECCAP	RCP CL. III 14 GA. BCCSP OR 14 GA. BECCAP	RCP CL. III 14 GA. BCCSP OR 14 GA. BECCAP	RCP CL. III 14 GA. BCCSP OR 14 GA. BECCAP	RCP CL. III 14 GA. BCCSP OR 14 GA. BECCAP	RCP CL. III 14 GA. BCCSP OR 14 GA. BECCAP	RCP CL. III 14 GA. BCCSP OR 14 GA. BECCAP	
UNIT TO BID ON	LINEAR	FOOT	FOOT	FOOT	FOOT	FOOT	EACH	CU. YD	LB	EACH	LINEAR FOOT	LINEAR FOOT	LINEAR FOOT	LINEAR FOOT	LINEAR FOOT	LINEAR FOOT	LINEAR FOOT	LINEAR FOOT	LINEAR FOOT				
RELOCATED KY. 461																							
LT. STA. 831+25																							
LT. STA. 832+00																							
STA. 835+00	0°	108																		ENTRANCE PIPE			
LT. STA. 847+58																				ENTRANCE PIPE			
RT. STA. 847+58																				CROSS DRAIN			
STA. 856+05	5° LT																			ENTRANCE PIPE			
LT. STA. 859+50																				ENTRANCE PIPE			
LT. STA. 900+00																				CROSS DRAIN			
RT. STA. 900+00																				ENTRANCE PIPE			
STA. 905+11	7° RT																			ENTRANCE PIPE			
STA. 938+44	45° LI																			ENTRANCE PIPE			
RT. STA. 950+00																				CROSS DRAIN			
STA. 951+50	0°	84																		CROSS DRAIN			
RT. STA. 832+00																				ENTR. PIPE AT CO. RD.			
STA. 847+00																				CROSS DRAIN W/ D.B.I.			
TOTAL RELOC KY 461	84	108																					
LT. STA. 840+00																							
RELOCATED KY 1326																							
LT. STA. 93+50																							
LT. STA. 97+00																							
STA. 97+50	0°	116																		ENTRANCE PIPE			
STA. 101+00	0°																			ENTRANCE PIPE			
RT. STA. 103+50																				CROSS DRAIN			
LT. STA. 105+80																				CROSS DRAIN			
RT. STA. 106+30																				ENTRANCE PIPE			
TOTAL RELOC KY 1326	116																			ENTRANCE PIPE			
APPROACH LT. RELOCATED KY. 461 STA. 880+50																							
STA. 47+50																							
STA. 49+80																				ENTRANCE PIPE			
TOTAL APPROACH																				ENTRANCE PIPE			
HYSINGER ROAD																							
LT. STA. 38+00																							
STA. 49+35	0°	60																		ENTRANCE PIPE			
TOTAL HYSINGER RD.	60																			CROSS DRAIN			
APPROACH ROAD LT. RELOCATED KY. 461 STA. 934+00																							
LT. STA. 37+50																							
LT. STA. 40+50																							
RT. STA. 43+00																				ENTRANCE PIPE			
STA. 48+08	3° RT																			ENTRANCE PIPE			
TOTAL APPROACH RD.																				ENTRANCE PIPE			
TOTAL PROJECT	260	108	180	200	344	320	1	57.52	10.8	450	3514	2	276	64	232	484	32	64	112				

① ADDED FOR NON-PERFORATED PIPE HEADWALLS. SEE SPEC. SECTION 115.
 ② TOTALS FOR THESE ITEMS ARE CARRIED OVER AND INCLUDED IN THE GENERAL SUMMARY.
 ③ CORRUGATED IRON OR STEEL PIPE FABRICATED WITH 5% VERTICAL ELONGATION.
 ④ CORRUGATED ALUMINUM ALLOY PIPE FABRICATED WITH 5% VERTICAL ELONGATION.

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BRIDGE AND CULVERT SUMMARY

F 461-1(2)			
COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
ROCKCASTLE		2A	257

DIVISION OF BRIDGES ESTIMATE AND PROJECT SUMMARY
KENTUCKY BUREAU OF HIGHWAYS

COUNTY ROCKCASTLE
ROAD XY461

SPECIAL DRAWINGS 20648/3SH, 20657/13SH

STANDARD DRAWINGS 8CX-006-04/1SH, 8JJ-003-06/1SH, 8JE-002-05/1SH, 8JE-001-05/1SH, 8BP-001-06/1SH

SHEET 1

STATE PROJECT NO. SSP-102-0461-000-008-003-D
FEDERAL PROJECT NO.

COMPLETED DATE

REVISION DATE

ORANING NUMBER	20848	20657	
STATION ON PROJECT ROUTE	866+80.00	818+47.38	TOTAL PLAN SHEETS 21
STATION ON CROSSING ROUTE		50+00.00	

DESCRIPTION OF STRUCTURE

BRIDGE /	CULVERT	CULVERT	BRIDGE
TOTAL LENGTH /	TOTAL LENGTH	421.0	78.8
NO. OF SPANS /	NO. OF BARRELS	SINGLE	1 SPAN
SKEW /	SKEW	38.0 RIGHT	20.8 LEFT
FABRICATION /	TYPE & SIZE	RCRF 12X08	PC18
SPAN LENGTH /	INLET LENGTH	230.0	SIMP 74.0
	INLET ELEV.	1017.8	
	OUTLET LENGTH	181.0	
	OUTLET ELEV.	1011.6	
	DEPTH OF COVER	70.0	
	FOUNDATION	ROCK	
		NOTE 3	

QUANTITIES

CODE UNIT	DESCRIPTION			TOTALS FOR PROJECT
8100 C.Y. CONCRETE, CLASS A		1215.4	71.0	1286.4
8150 LBS. STEEL REINFORCEMENT		356095.	21122.	377217.
8001 C.Y. STRUCTURE EXCAV. COMMON		1771.		1771.
8002 C.Y. STRUCTURE EXCAV. SOLID RDCX		565.		565.
8104 C.Y. CONCRETE, CLASS AA			201.2	201.2
8035 L.S. BACKFILL, ABUTMENT			1.	1.
1182 L.F. 8 IN PERF. DRAIN PIPE			178.	178.
8151 LBS. EPOXY COATED STEEL REINF.			19028.	19028.
8160 L.S. STRUCTURAL STEEL			528.7	528.7
8633 L.F. PRECAST PC I BEAM TYPE III		12.4	70.0	82.4
Cy. SAND			49.2	49.2
L.F. SAND			7.0	7.0

NOTES AND SPECIAL PROVISIONS

3 RIGID FRAME DESIGN

8 LBS. APPROX WT OF STRUCTURAL STEEL

BRIDGE AND CULVERT QUANTITIES ARE NOT INCLUDED IN THE GENERAL SUMMARY.

GENERAL NOTES

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
ROCKCASTLE		22	252
F 461-1 (2)			

THIS PROJECT IS A PARTIALLY CONTROLLED ACCESS HIGHWAY. ACCESS SHALL BE PROVIDED ONLY WHERE SPECIFICALLY INDICATED ON PLANS.

BUILDING REMOVAL NOTE

THE FOLLOWING IS A LIST OF BUILDINGS ON THIS PROJECT TO BE REMOVED BY THE CONTRACTOR:

PARCEL NO.	IMPROVEMENTS
R4	SHED
79	MOBILE HOME
90	FRAME RESIDENCE
R2	FRAME RESIDENCE
R4	FRAME RESIDENCE
87	FRAME RESIDENCE
90	FRAME RESIDENCE AND 2 SHEDS
100	FRAME RESIDENCE

ALL OTHER BUILDINGS WITHIN THE RIGHT-OF-WAY LIMITS ON THIS PROJECT ARE TO BE REMOVED BY OTHERS. HOWEVER, ANY REMAINING FOUNDATIONS OR DEBRIS SHALL BE REMOVED BY THE CONTRACTOR. NO DIRECT PAYMENT WILL BE ALLOWED FOR THIS WORK. SAME BEING INCLUDED IN THE UNIT PRICE BIDS FOR OTHER ITEMS OF WORK. ALL MATERIALS FROM THE DEMOLITION OF THESE BUILDINGS BECOME THE PROPERTY OF THE CONTRACTOR.

DETAIL SHEETS

ANY STANDARD DRAWINGS REFERRED TO IN THE PLANS, OR PROPOSAL, THAT ARE NOT ATTACHED AS HALF-SIZE SHEETS, HAVE BEEN INCLUDED ELSEWHERE IN THE PLANS AS FULL-SIZE DETAIL SHEETS.

U.S.S.S. BENCH MARKS

THE CONTRACTOR IS NOT TO DISTURB U.S.S.S. BENCH MARKS IN ANY MANNER UNLESS DIRECTED TO DO SO BY THE ENGINEER.

UTILITIES (HAZARDOUS OR FLAMMABLE MATERIALS)

THE CONTRACTOR IS ADVISED TO EXERCISE CAUTION IN HIS OPERATIONS IN AREAS WHERE PLANS INDICATE THE PRESENCE OF A GAS LINE OR OTHER LINES CARRYING HAZARDOUS MATERIAL.

UTILITY NOTE

THE FOLLOWING UTILITY COMPANIES SHALL HAVE THEIR FACILITIES RELOCATED AND/OR ADJUSTED PRIOR TO THE AWARD OF THE CONTRACT.

CONTINENTAL TELEPHONE COMPANY
CITY OF MT. VERNON
SOUTH CENTRAL BELL TELEPHONE COMPANY
KENTUCKY UTILITIES
JACKSON COUNTY RECC
MT. VERNON I.V. CABLE COMPANY

SEABOARD SYSTEM RAILROAD SHALL HAVE THEIR FACILITIES ADJUSTED PRIOR TO THE AWARD OF THE CONTRACT.

TRAFFIC CONTROL ITEMS

UNLESS OTHERWISE DIRECTED, ALL SALVADABLE TRAFFIC CONTROL ITEMS, DEVICES, MATERIALS AND INCIDENTALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR WHEN NO LONGER NEEDED FOR MAINTAINING AND CONTROLLING TRAFFIC DURING CONSTRUCTION.

DEPARTMENT OF THE ARMY PERMITS

CONSTRUCTION AT ONE OR MORE LOCATIONS ON THIS PROJECT IS FEDERALLY REGULATED BY A DEPARTMENT OF THE ARMY PERMIT (INDIVIDUAL, GENERAL, AND/OR WATERSHIDE PERMIT). THE PERMITS ARE ASSEMBLED IN THE CONTRACT BIDS PROPOSAL DOCUMENT. THE CONTRACTOR SHALL PERFORM THE APPLICABLE WORK IN COMPLIANCE WITH THESE PERMITS. HE SHALL POSSESS A COPY OF EACH PERMIT IN A CONSPICUOUS PLACE AT THE PROJECT SITE FOR THE DURATION OF PROJECT CONSTRUCTION AS DIRECTED BY THE PERMIT.

THE MATERIAL REQUIREMENTS FOR ANY TEMPORARY FILL USES IN AN AREA ON THIS PROJECT WHICH IS REGULATED BY A DEPARTMENT OF THE ARMY PERMIT SHALL BE INCIDENTAL TO THE CONTRACT. TEMPORARY FILLS INCLUDE, BUT ARE NOT LIMITED TO, FILLS USED FOR DETOURS, EQUIPMENT CROSSINGS, EQUIPMENT PADS, COFFERSAMS AND SIMILAR PURPOSES.

NOTICE - CAUTION - CLASSIFICATION

WITHOUT REGARD TO THE MATERIALS ENCOUNTERED, ALL ROADWAY AND DRAINAGE ENCAVATION SHALL BE UNCLASSIFIED AND SHALL BE DESIGNATED AS "ROADWAY ENCAVATION". IT SHALL BE DISTINCTLY UNDERSTOOD THAT ANY REFERENCE TO ROCK, EARTH, OR ANY OTHER MATERIAL ON THE PLANS OR CROSS-SECTIONS, WHETHER IN NUMBERS, WORDS, LETTERS OR LINES, IS SOLELY FOR THE DEPARTMENT'S INFORMATION AND IS NOT TO BE TAKEN AS AN INDICATION OF CLASSIFIED ENCAVATION OR THE QUANTITY OF EITHER ROCK, EARTH OR ANY OTHER MATERIAL INVOLVED. THE BISSER MUST OBTAIN HIS OWN CONCLUSION AS TO THE CONDITIONS TO BE ENCOUNTERED. THE DEPARTMENT DOES NOT GIVE ANY GUARANTEE AS TO THE ACCURACY OF THE DATA AND NO CLAIM WILL BE CONSIDERED FOR ADDITIONAL COMPENSATION IF THE MATERIALS ENCOUNTERED ARE NOT IN ACCORD WITH THE CLASSIFICATION SHOWN.

SELECTED ROCK SHOULDER NOTE

THE ENTIRE ROADBED AND SHOULDER PORTION INDICATES ON THE TYPICAL SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 254.1D.01 OF THE STANDARD SPECIFICATIONS FOR ROCK ROADBED CONSTRUCTION.

ADEQUATE DRAINAGE SHALL BE PROVIDED THROUGH THE ROCK SHOULDER PORTION IN ORDER TO AVOID PONDING OF WATER ON THE ROADBED PORTION.

EROSION CONTROL

SEED MIXTURE NO. 1 SHALL BE USED.

FERTILIZER SHALL BE APPLIED AT THE RATE OF 23 POUNDS PER 1000 SQUARE FEET.

AGRICULTURAL LIMESTONE SHALL BE APPLIED AT THE RATE OF 150 POUNDS PER 1000 SQUARE FEET.

BITUMINOUS CONCRETE NOTES

THE BITUMINOUS MATERIAL FOR BITUMINOUS CONCRETE SHALL BE AC-20.

BITUMINOUS CONCRETE SURFACE (FINE AGGREGATE)

NATURAL, CONGLOMERATE, CRUSHED SLAG, CRUSHED GRANITE, CRUSHED SILICEOUS GRAVEL, OR CRUSHED SANDSTONE SAND IS REQUIRED IN THE FINAL BITUMINOUS CONCRETE SURFACE COURSE IN THE PROPORTION OF NO LESS THAN 40% OF THE TOTAL COMBINES COARSE AND FINE AGGREGATE, EXCLUSIVE OF BITUMINOUS CONCRETE SURFACE FOR SHOULDERS.

PAVED SHOULDERS AT INTERSECTING ROADS

THE SHOULDERS ON THIS PROJECT WITHIN THE LIMITS SHOWN ON THE CURRENT EDITION OF STANDARD DRAWINGS RPP-110 SHALL BE PAVED ON THE MAIN LINE, ROAD APPROACHES OR INTERSECTING ROADS IN ACCORDANCE WITH THE PAVED SHOULDER DESIGN SHOWN ELSEWHERE IN THESE PLANS.

PROPOSAL ATTACHMENTS

SPECIAL NOTES FOR FENCE POSTS AND BRACES 15-30-B5)

SPECIAL NOTE FOR PAVEMENT RIDEABILITY (5-31-B5)

SPECIAL NOTES FOR ROCKCASTLE COUNTY F 461-1 (2)

SPECIAL NOTE FOR SIGNING LOW SHOULDERS AND SHOULDER COMPLETION 110-29-R4)

SPECIAL NOTE FOR BITUMINOUS MIXTURES USING RECLAIMED MATERIALS 15-30-N5)

SPECIAL NOTE FOR VALUE ENGINEERING 19-22-B3)

SPECIAL NOTE FOR CORRUGATED POLYETHYLENE ENTRANCE PIPE 15-30-B5)

SPECIAL NOTE FOR CURING CONCRETE 1R-1-B5)

SPECIAL NOTE FOR RISID PIPE JOINTS 1R-1-B5)

SPECIAL NOTE FOR FALL PROTECTION (3-12-B5)

SPECIAL NOTE FOR COARSE AGGREGATES (6-5-B5)

SPECIAL PROVISIONS

- 38F (B5) BUY AMERICA AND COLOR PREFERENCE
- 43B (B5) MARSHALL DESIGN METHOD CRITERIA
- 46D (B5) PRICE ADJUSTMENT FOR PETROLEUM PRODUCTS
- 56B (B5) PORTLAND CEMENT CONCRETE WITH FLY ASH
- 58A (B5) HISTORIC PRESERVATION -- BORROW SITE
- 75B (B5) GRADATION ACCEPTANCE OF NON-SPECIFICATION AGGREGATE

B-1 BEDDING

THE PROJECT TOTAL FOR "ROADWAY ENCAVATION" OR "EMBANKMENT-IN-PLACE" INCLUDES THE QUANTITY FOR THE IMPERFECT TRENCH B-1 BEDDING, WHICH APPLIES TO REINFORCED CONCRETE PIPE (RCP) ONLY. B-1 BEDDING IS NOT REQUIRED WHEN METAL PIPE IS USED. THEREFORE THE QUANTITY INCLUDED FOR THE IMPERFECT TRENCH (B-1 BEDDING) SHALL BE DEDUCTED FROM THE FINAL PAY QUANTITY.

STANDARD DRAWINGS FOR HEADWALLS

STANDARD DRAWINGS FOR HEADWALLS (FROM SERIES) ARE NOT ATTACHED TO THESE PLANS BUT ARE AVAILABLE IN THE SUPPLEMENT TO THE STANDARD DRAWINGS BOOK, WHICH MAY BE OBTAINED FROM THE MANAGEMENT SERVICES DIVISION OF THE DEPARTMENT OF HIGHWAYS IN FRANKFORT, KENTUCKY AT A COST OF \$7.50 PER COPY.

PIPE REMOVAL

CONTRARY TO THE STANDARD SPECIFICATIONS, THE REMOVAL OF PIPE, WHETHER SHOWN ON THE PLANS OR NOT, IS INCIDENTAL TO THE CONTRACT.

GUARDRAIL END TREATMENT

FILL SHALL BE PROVIDED WHERE REQUIRED TO ACCOMMODATE GUARDRAIL END TREATMENT TYPE 4, AS DETAILED ON THE PLANS. PAYMENT FOR THIS WORK WILL BE AT THE CONTRACT UNIT PRICE BID PER CUBIC YARD FOR BORROW EXCAVATION, OR EMBANKMENT-IN-PLACE, AS APPLICABLE. ON PROJECTS THAT DO NOT HAVE THESE PAY ITEMS, NO DIRECT PAYMENT WILL BE ALLOWED FOR THIS WORK.

SHOULDER WIDENING FOR BITUMINOUS WEDGE CURB

BITUMINOUS WEDGE CURB SHALL BE CONSTRUCTED AT THE LOCATIONS SPECIFIED IN THE PLANS OR AS DIRECTED BY THE ENGINEER. SHOULDER PAVEMENT SHALL BE WIDENED AT THESE LOCATIONS TO SUPPORT THE BITUMINOUS WEDGE CURB.

22

GENERAL NOTES

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
ROCKCASTLE		277	347

F 481-1 12)

STEEL GUARDRAIL POSTS

IN ADDITION TO THE GUARDRAIL POSTS LISTED IN SECTION 814.04 OF THE STANDARD SPECIFICATIONS, A W6 X 8.5 STRUCTURAL SHAPE MANUFACTURED BY THE ELECTRIC-RESISTANCE WELDING PROCESS FROM COILS WILL BE PERMITTED AT THE CONTRACTOR'S OPTION. THESE POSTS SHALL MEET THE REQUIREMENTS OF ASTM A 780 GRADE 38 OR GRADE 40. NOMINAL DIMENSIONS AND MANUFACTURING TOLERANCES SHALL BE THE SAME AS FOR A W6 X 8.5 ROLLED SECTION. THE POSTS SHALL BE GALVANIZED IN ACCORDANCE WITH AASHTO M 111. ALL DRILLING OR PUNCHING SHALL BE COMPLETED BEFORE GALVANIZING.

TEMPORARY GUARDRAIL AND TERMINAL SECTIONS

THE CONTRACTOR SHALL BE ALLOWED TO USE ONE OF THE FOLLOWING ALTERNATES:

(A) STEEL BEAM GUARDRAIL OF 10 OR 12 GAGE, W-BEAM SECTION AND 12'-8" POST SPACING.

OR

(B) STEEL BEAM GUARDRAIL (SINGLE FACE) IN ACCORDANCE WITH THE CURRENT STANDARD DRAWINGS.

THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN THE TEMPORARY GUARDRAIL SYSTEM TO THE SATISFACTION OF THE ENGINEER, FOR THE DURATION OF ITS USE.

PAYMENT FOR REMOVAL OF TEMPORARY GUARDRAIL, END TREATMENTS AND TERMINAL SECTIONS SHALL BE AT THE CONTRACT UNIT PRICE BID FOR THE RESPECTIVE BID ITEMS. UPON REMOVAL, UNGAMAGED COMPONENTS MEETING CURRENT STANDARDS MAY BE USED IN PERMANENT INSTALLATIONS, AS APPROVED BY THE ENGINEER. ALL SURPLUS MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

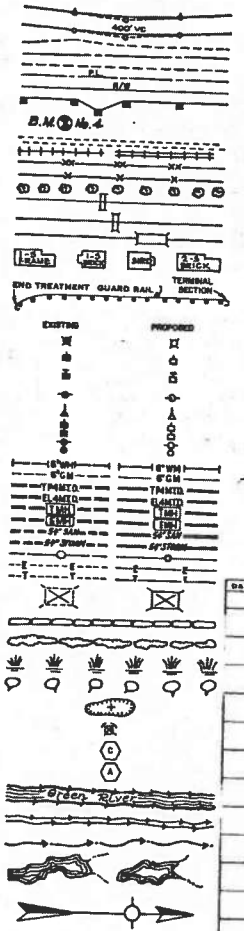
F-461-1(2)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
ROCKCASTLE		3	257

FSP-102-0461-000-008

CONVENTIONAL SIGNS

- SURVEY LINE
- GRADE LINE
- GROUND LINE
- COUNTY LINE
- COMPASS LINE
- PROPERTY LINE
- PROPOSED RIGHT OF WAY
- RIGHT OF WAY MARKERS
- BENCH MARK
- EXISTING ROAD
- RAILROAD
- FENCE (CONTROLLED ACCESS)
- FENCE (EXCEPT STONE AND HEDGEO)
- TREES
- PIPE CULVERT
- CULVERT
- BRIDGE
- BUILDINGS
- BOARD WALK
- END TREATMENT GUARD RAIL
- TERMINAL SECTION
- LIGHTING POLE
- POWER POLE
- JOINT POWER & TELEPHONE POLE
- TELEPHONE & TELEGRAPH POLE
- ANCHOR, POWER OR TELEPHONE
- STUB POWER
- STUB TELEPHONE
- WATER MAIN
- GAS MAIN
- TELEPHONE DUCT
- ELECTRIC DUCT
- TELEPHONE MANHOLE
- ELECTRIC MANHOLE
- SAWTOOTH SEWER
- STONE SEWER
- SEWER MANHOLE
- DIRECT BURIAL ELECTRIC CABLE
- DIRECT BURIAL TELEPHONE CABLE
- TOWER
- STONE FENCE
- HEDGE FENCE
- PUMP OR MOUND
- SPRING
- WELL HOLE
- QUARRY SITE
- SLT CHECK
- SLT TRAP
- LARGE STREAM
- SMALL STREAM
- INTERMITTENT STREAM
- LAKES OR PONDS
- NORTH POINT



UTILITIES

CONTINENTAL TELEPHONE COMPANY
 719 NORTH MAIN STREET
 LONDON, KENTUCKY
 CONTACT: JOHN GEORGE

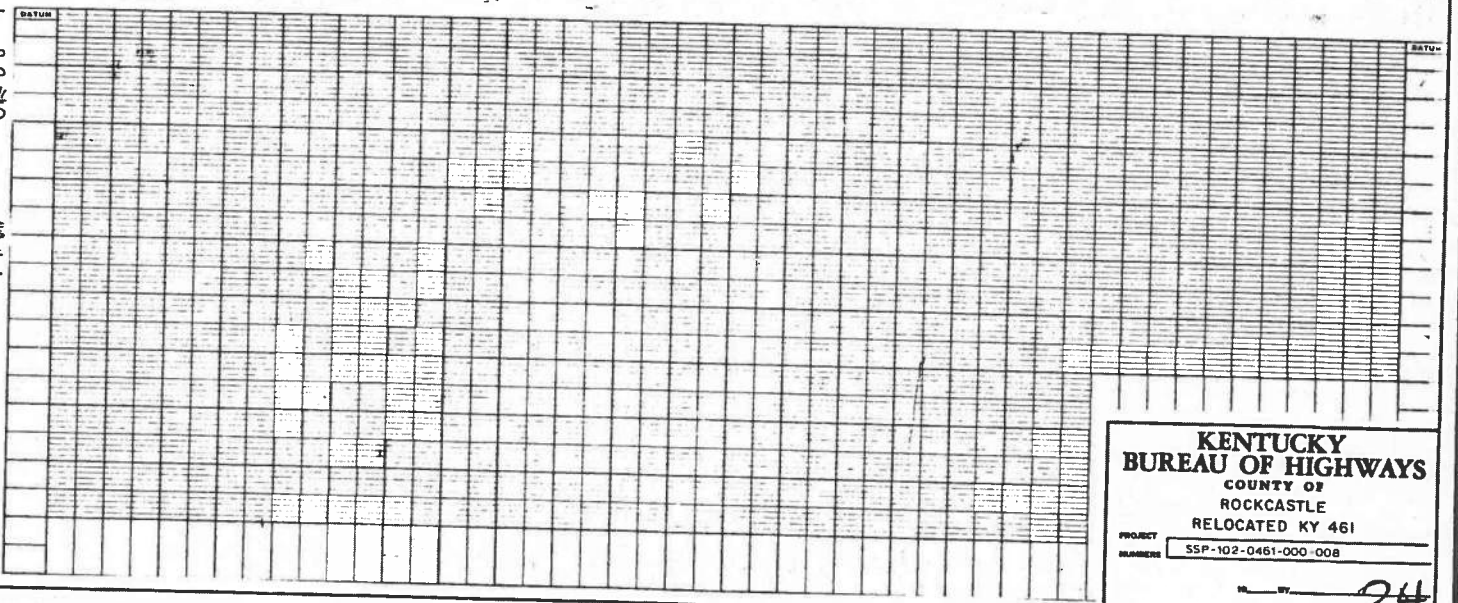
KENTUCKY UTILITIES
 MAIN STREET
 MT. VERNON, KY 40456
 CONTACT: RON CAIN

MT. VERNON WATER & SEWER
 BOX 516
 MT. VERNON, KY 40456
 CONTACT: MATT POWELL, JR.

JACKSON COUNTY R.E.C.C.
 MCKEE, KY

ORIGIN OF LEVELS

At Shopville, about 0.2 miles east along Ky 80 from the school, at a concrete bridge over Flat Lick Creek, set in the top of the south end of the east abutment, Stamped "F 51 1935" Elev. 879.680



KENTUCKY BUREAU OF HIGHWAYS
 COUNTY OF ROCKCASTLE
 RELOCATED KY 461
 PROJECT NUMBER: 55P-102-0461-000-008

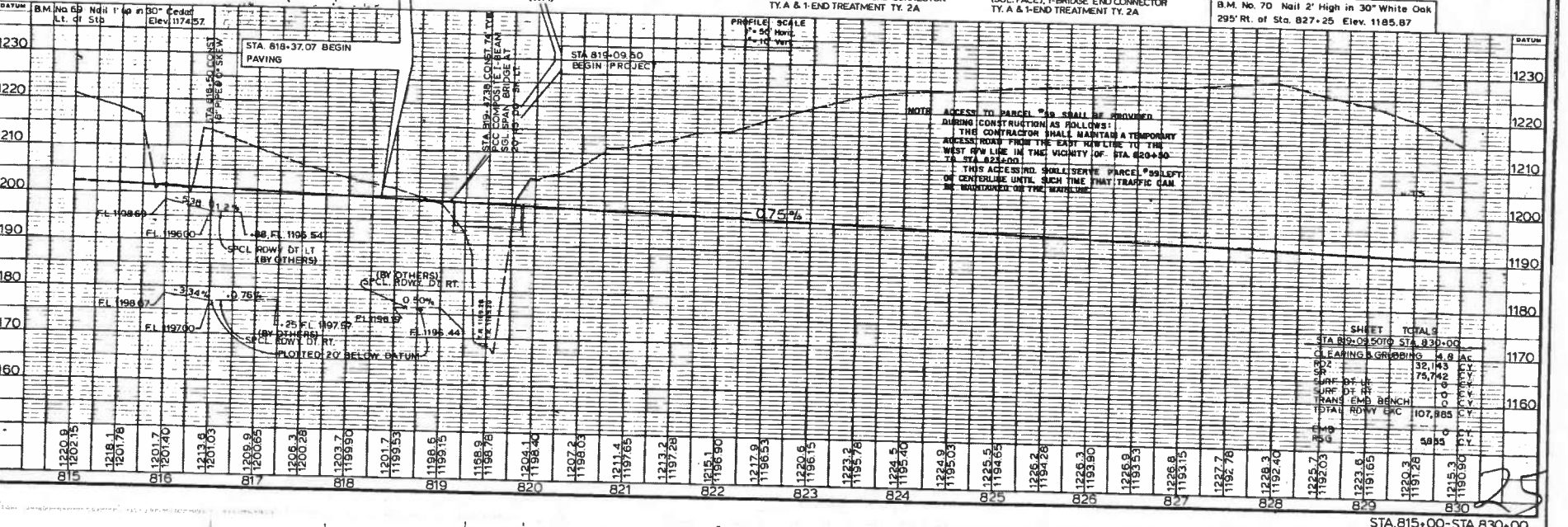
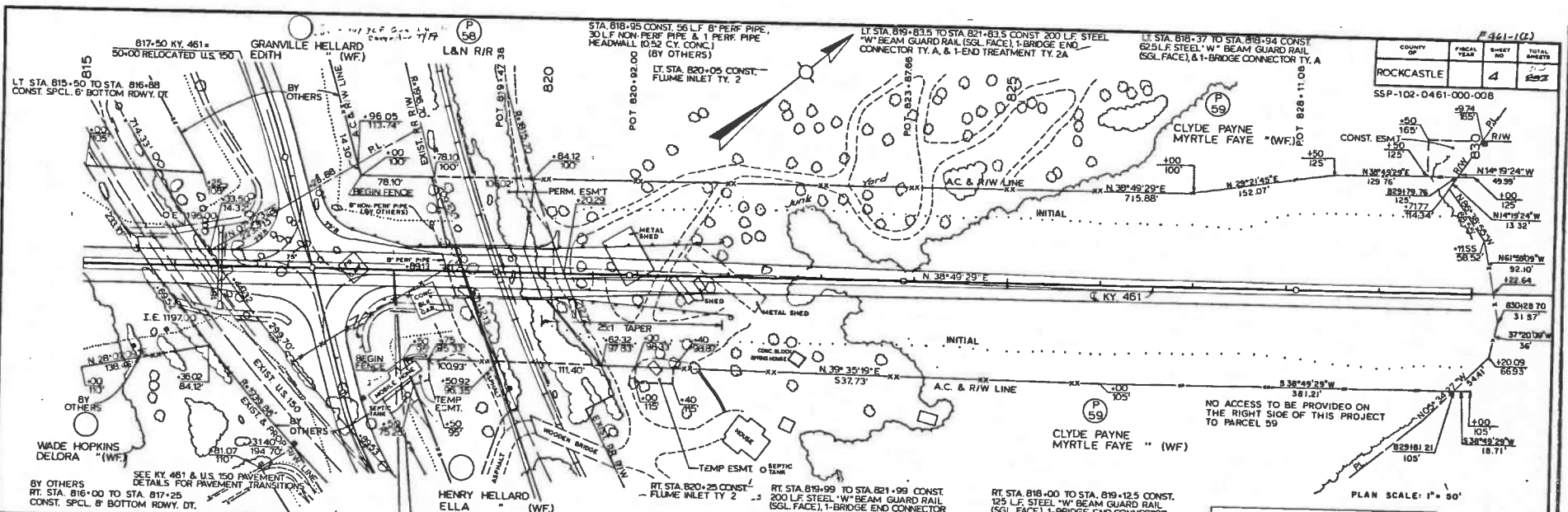
24

PLAN	DATE	BY	CHECKED

PROFILE	DATE	BY	CHECKED

DATE PLOTTED: 11/15/73
 DRAWN BY: [illegible]

COUNTY	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
ROCKCASTLE		4	25
SSP-102-0461-000-008			



STA. 815+00 - STA. 830+00

PLAN	NOTES
1	SEE KY 461 & U.S. 150 PAVEMENT DETAILS FOR PAVEMENT TRANSITION
2	BY OTHERS
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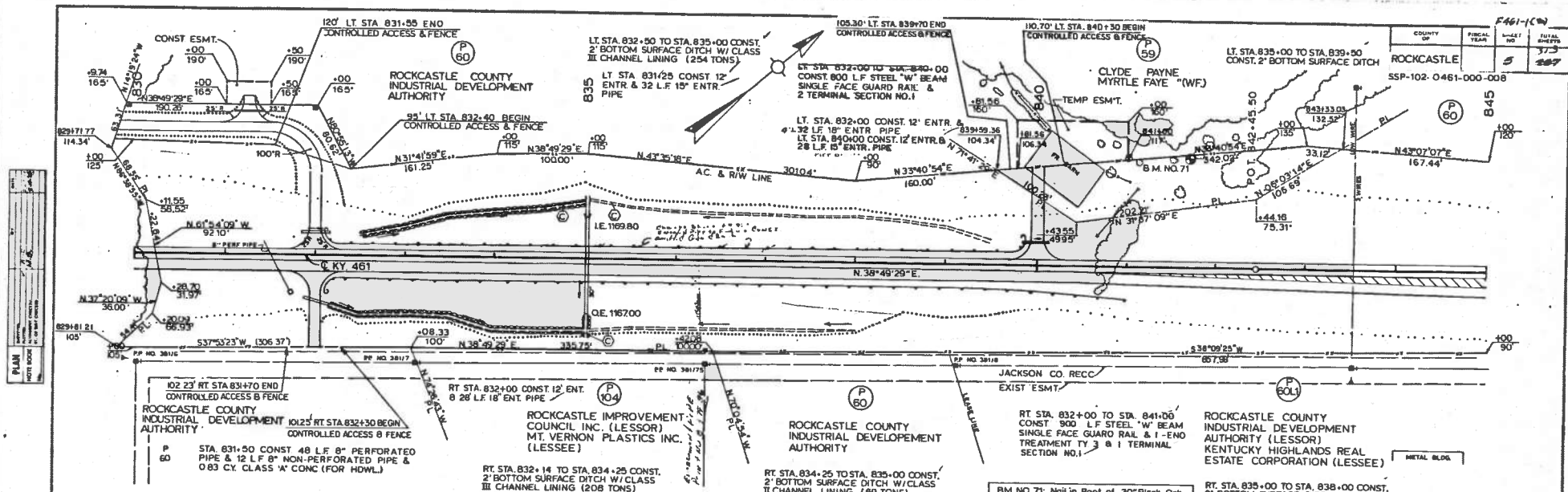
PROFILE	NOTES
1	SEE KY 461 & U.S. 150 PAVEMENT DETAILS FOR PAVEMENT TRANSITION
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REVISIONS: 6-78
PAGE NO. 4

Page 1 of 2

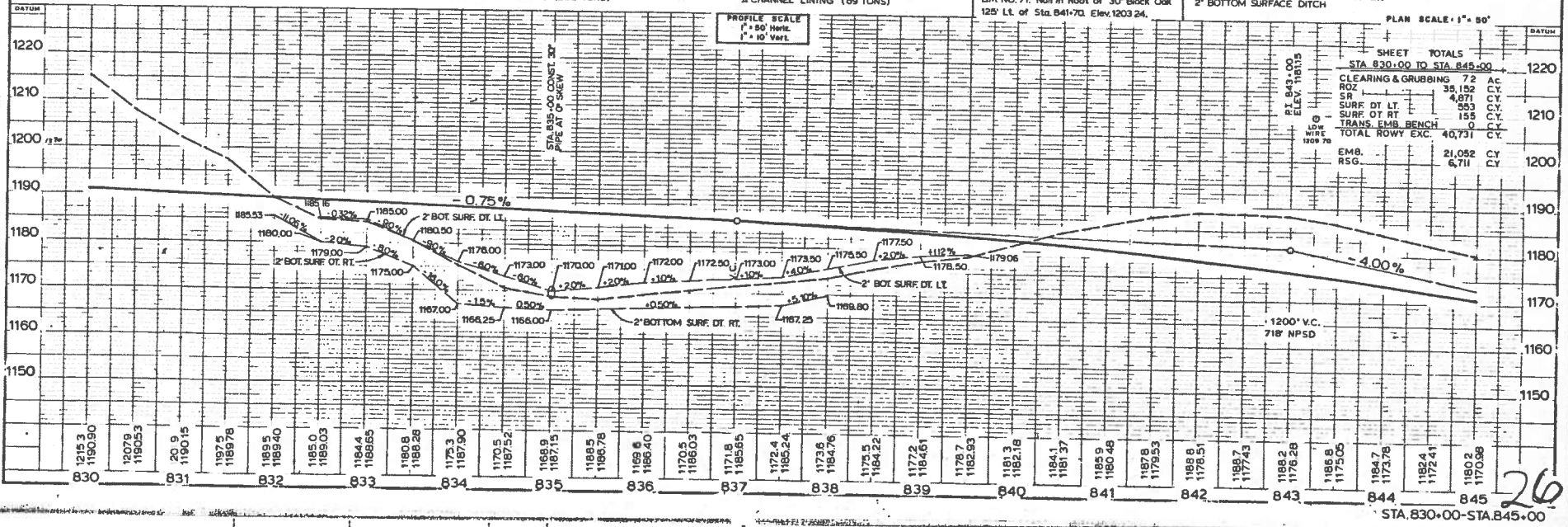
COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
ROCKCASTLE	2007	26	27

SSP-102-0461-000-008



PLAN	DATE	BY	CHKD.
NOT RECORDED			

PROFILE	DATE	BY	CHKD.
NOT RECORDED			



SHEET TOTALS		DATUM
STA 830+00 TO STA 845+00		1220
CLEARING & GRUBBING	72 AC.	
ROZ	35,152 C.Y.	
SR	4,871 C.Y.	
SURF DT LT	553 C.Y.	
SURF DT RT	155 C.Y.	
TRANS. EMB. BENCH	0 C.Y.	
TOTAL ROWY EXC.	40,731 C.Y.	
EMB. RSG.	21,052 C.Y.	1200

26

STA. 830+00-STA. 845+00

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle		27	27

SSP-0461-000-008

845

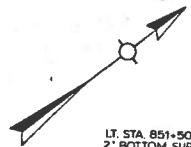
P.O.T. 849+70.79

850

855

P.O.T. 855+58.01

860



LT. STA. 851+50 TO STA. 856+05 CONST.
2" BOTTOM SURFACE DITCH W/ CLASS
III CHANNEL LINING (420 TONS)

LT. STA. 856+05 TO STA. 857+50 CONST.
2" BOTTOM SURFACE DITCH

LT. STA. 858+00 TO STA. 859+30 CONST.
SPECIAL ROADWAY DITCH

LT. STA. 859+74 TO STA. 880+00 CONST.
SPECIAL ROADWAY DITCH

LT. STA. 859+50 CONST. FOR 40' W/O
2" BOTTOM SURFACE DITCH
Proposed by Rockcastle Co. 8-27-87

LT. STA. 859+50 CONST. 12' ENTR.
& 28' L.F. 18" ENTR. PIPE

ROCKCASTLE COUNTY
INDUSTRIAL DEVELOPMENT
AUTHORITY

BENTON
THRESA

P 61

P 60

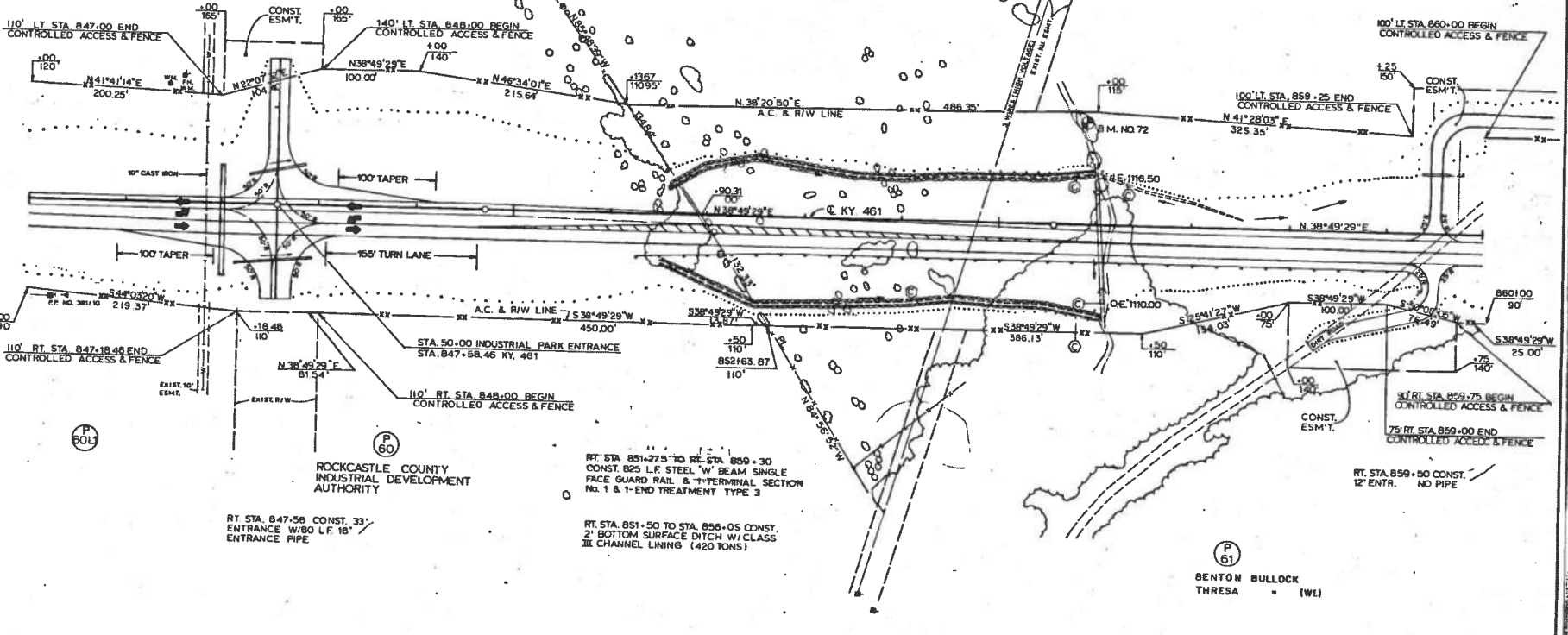
LT. STA. 847+58 CONST. 22"
ENTRANCE W/ 60 L.F. 18"
ENTRANCE PIPE

110' LT. STA. 847+00 END
CONTROLLED ACCESS & FENCE

140' LT. STA. 848+00 BEGIN
CONTROLLED ACCESS & FENCE

100' LT. STA. 860+00 BEGIN
CONTROLLED ACCESS & FENCE

100' LT. STA. 859+25 END
CONTROLLED ACCESS & FENCE



110' RT. STA. 847+18.46 END
CONTROLLED ACCESS & FENCE

STA. 50+00 INDUSTRIAL PARK ENTRANCE
STA. 847+58.46 KY. 461

30' RT. STA. 859+75 BEGIN
CONTROLLED ACCESS & FENCE

RT. STA. 859+50 CONST.
12' ENTR. NO PIPE

RT. STA. 847+58 CONST. 33"
ENTRANCE W/ 90 L.F. 18"
ENTRANCE PIPE

RT. STA. 851+75 TO RT. STA. 859+30
CONST. 825 L.F. STEEL W' BEAM SINGLE
FACE GUARD RAIL & T-TERMINAL SECTION
NO. 1 & 1-END TREATMENT TYPE 3

RT. STA. 851+50 TO STA. 856+05 CONST.
2" BOTTOM SURFACE DITCH W/ CLASS
III CHANNEL LINING (420 TONS)

BENTON
BULLOCK
THRESA (WB)

ROCKCASTLE COUNTY
INDUSTRIAL DEVELOPMENT
AUTHORITY

BM. NO. 72: RR. Spike in base of 14" Wild Cherry
105' Lt. of Sta. 855+90. Elev. 1123.96.

PLAN SCALE: 1" = 50'

STA. 845+00 - STA. 860+00

27

F-61-102

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
ROCKCASTLE		7	17

SSP-102-0461-000-008

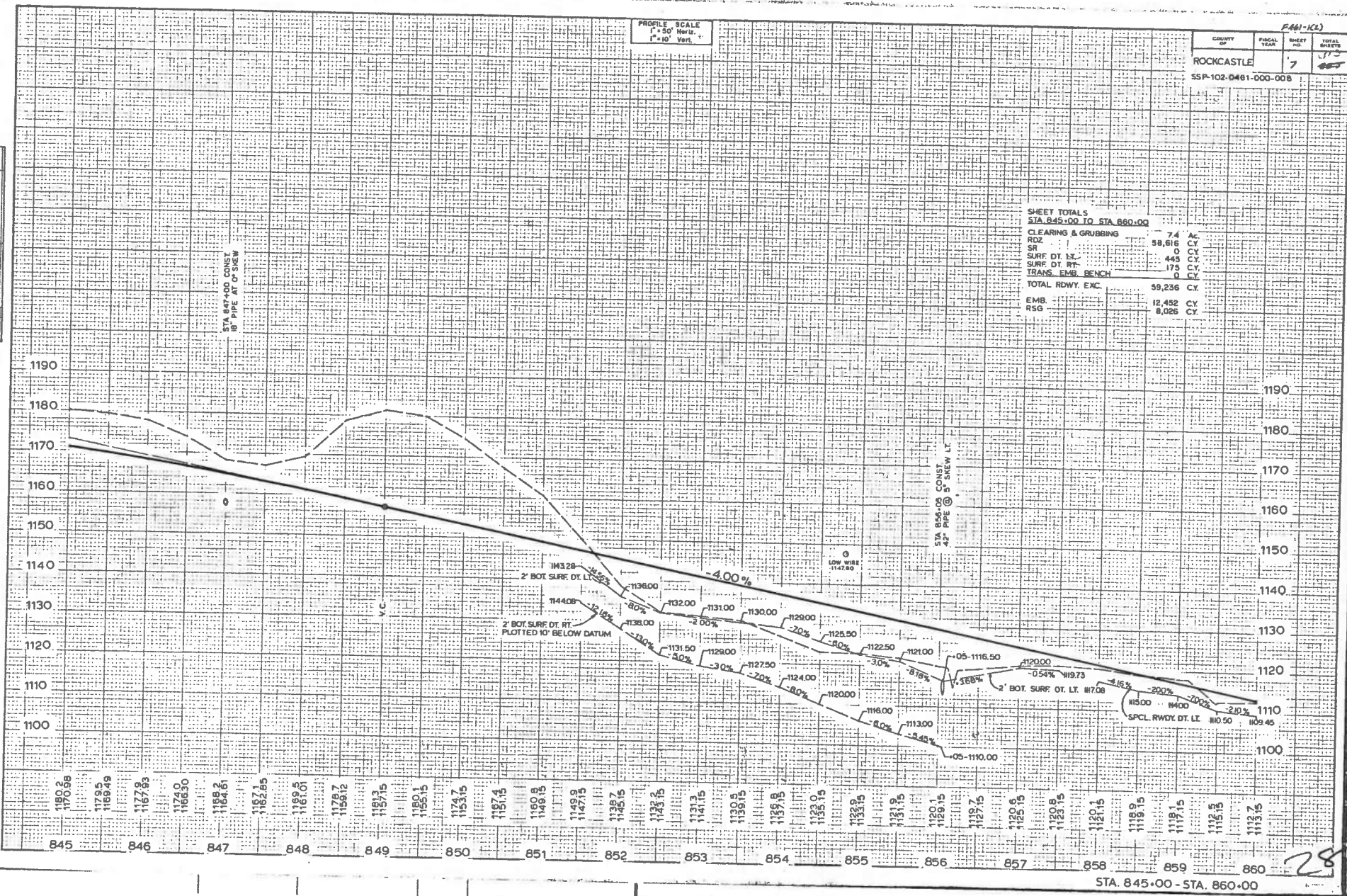
PROFILE SCALE
1" = 50' VERT.
1" = 10' HORIZ.

SHEET TOTALS
STA 845+00 TO STA 860+00

CLEARING & GRUBBING	7.4	AC
RDZ	58,616	CY
SR	0	CY
SURF DT. LT.	445	CY
SURF DT. RT.	175	CY
TRANS. EMB. BENCH	0	CY
TOTAL RDWY. EXC.	59,236	CY
EMB.	12,452	CY
RSG	8,026	CY

DATE	BY	REVISION

DATE	BY	REVISION

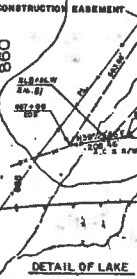
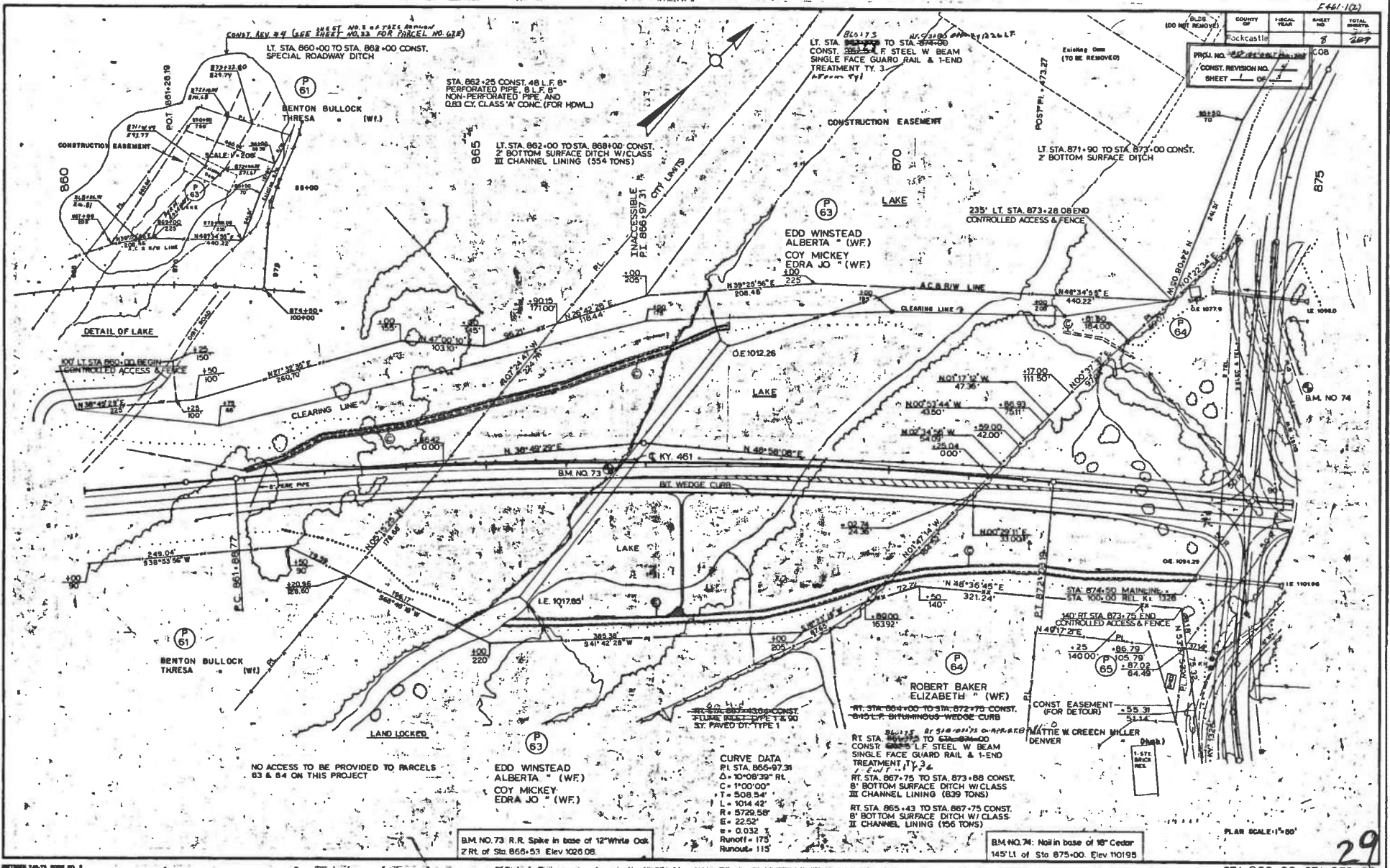


STA. 845+00 - STA. 860+00

28

BLOB	COUNTY	FISCAL	SHEET	TOTAL
100 NOT RECORDED	Rockcastle	YEAR	OF	207

PROJ. NO. 22-22-2017-001
 CONST. REVISION NO. 1
 SHEET 1 OF 3



CURVE DATA
 PI STA. 865-97.31
 $\Delta = 10^{\circ}08'39''$ RT
 $C = 1000.00'$
 $T = 508.54'$
 $L = 1014.42'$
 $R = 5729.58'$
 $e = 2.52'$
 $w = 0.032 \%$
 Runoff = 175
 Runout = 115'

NO ACCESS TO BE PROVIDED TO PARCELS 63 & 64 ON THIS PROJECT

BM NO. 73 R.R. Spike in base of 12" White Oak
 Z Rt. of Sta. 865+53 Elev 1026.08

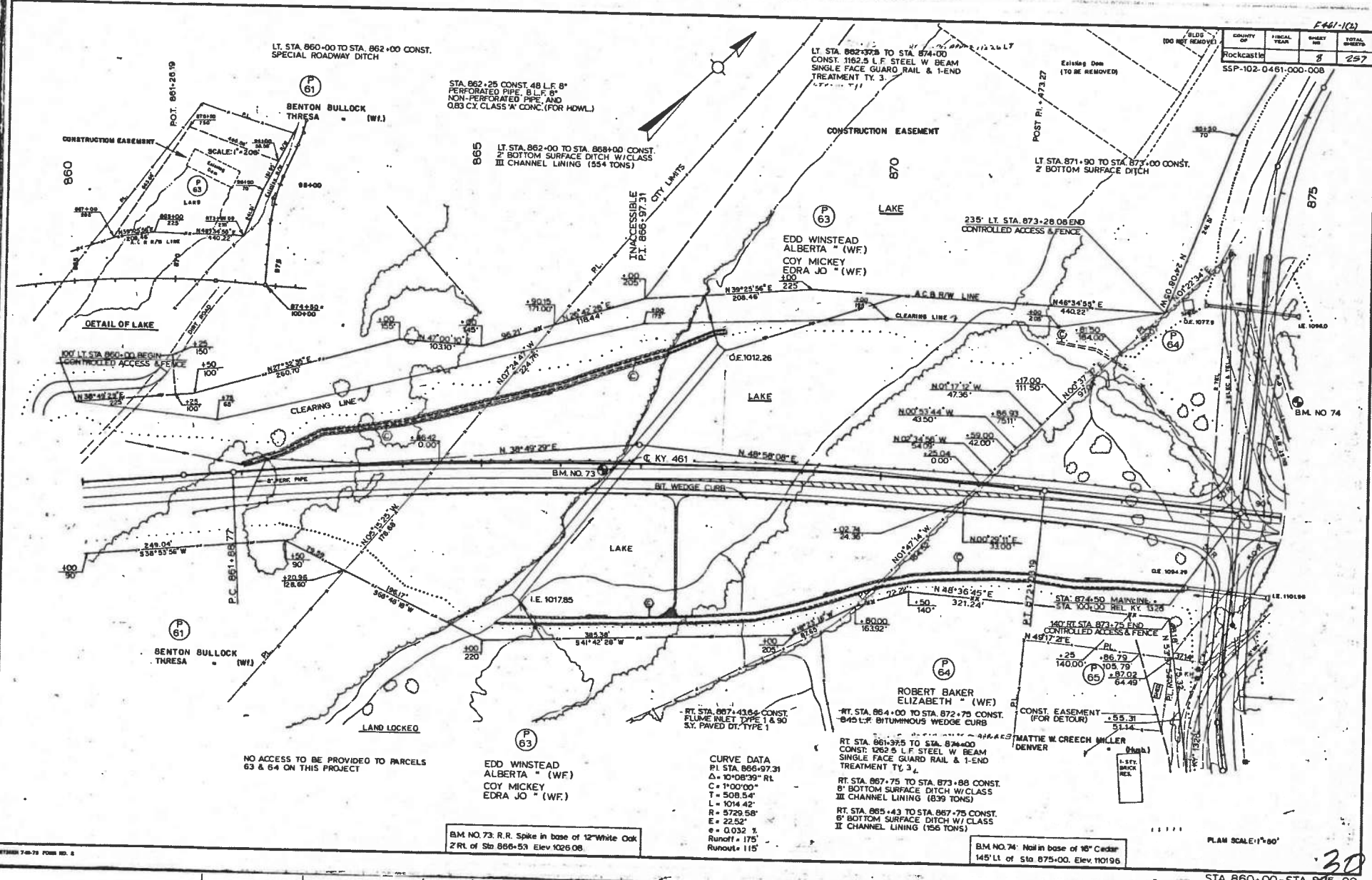
BM NO. 74: Nail in base of 18" Cedar
 145' Lt. of Sta. 875+00. Elev 1101.95

PLAN SCALE 1"=50'

STA. 860+00-STA. 875+00

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle		3	287

SSP-102-0461-000-008



LT. STA. 860+00 TO STA. 862+00 CONST. SPECIAL ROADWAY DITCH

STA. 862+25 CONST. 48 L.F. 8" PERFORATED PIPE, 8 L.F. 8" NON-PERFORATED PIPE, AND 0.83 CY. CLASS 'A' CONC. (FOR HOWL.)

LT. STA. 862+37.3 TO STA. 874+00 CONST. 1162.5 L.F. STEEL W BEAM SINGLE FACE GUARD RAIL & 1-END TREATMENT T.Y. 3.

Existing Dam (TO BE REMOVED)

LT. STA. 871+90 TO STA. 873+00 CONST. 2" BOTTOM SURFACE DITCH

235' LT. STA. 873+28.08 END CONTROLLED ACCESS & FENCE

CONSTRUCTION EASEMENT

CONSTRUCTION EASEMENT

BENTON BULLOCK THRESA (W.I.)

EDD WINSTEAD ALBERTA (WF)
COY MICKEY EDRA JO (WF)

DETAIL OF LAKE

CLEARING LINE

CLEARING LINE

BENTON BULLOCK THRESA (W.I.)

ROBERT BAKER ELIZABETH (WF)

NO ACCESS TO BE PROVIDED TO PARCELS 63 & 64 ON THIS PROJECT

EDD WINSTEAD ALBERTA (WF)
COY MICKEY EDRA JO (WF)

CURVE DATA
P.I. STA. 866+97.31
Δ = 10°08'39" RI
C = 1700'00"
T = 508.54'
L = 1014.42'
R = 5729.58'
E = 22.52'
e = 0.032 f
Runoff = 175'
Runout = 115'

RT. STA. 864+00 TO STA. 872+75 CONST. 845 L.F. BITUMINOUS WEDGE CURB

RT. STA. 861+38.5 TO STA. 874+00 CONST. 1262.5 L.F. STEEL W BEAM SINGLE FACE GUARD RAIL & 1-END TREATMENT T.Y. 3.

RT. STA. 867+75 TO STA. 873+88 CONST. 8" BOTTOM SURFACE DITCH W/CLASS III CHANNEL LINING (839 TONS)

RT. STA. 865+43 TO STA. 867+75 CONST. 8" BOTTOM SURFACE DITCH W/CLASS II CHANNEL LINING (156 TONS)

CONST. EASEMENT (FOR DETOUR)

MATTHE W. CREECH MILLER DENVER

BM NO. 73: R.R. Spike in base of 12" White Oak 2' RL of Sta 866+53 Elev 1026.08

BM NO. 74: Nail in base of 18" Cedar 145' Lt. of Sta 875+00. Elev. 1019.96

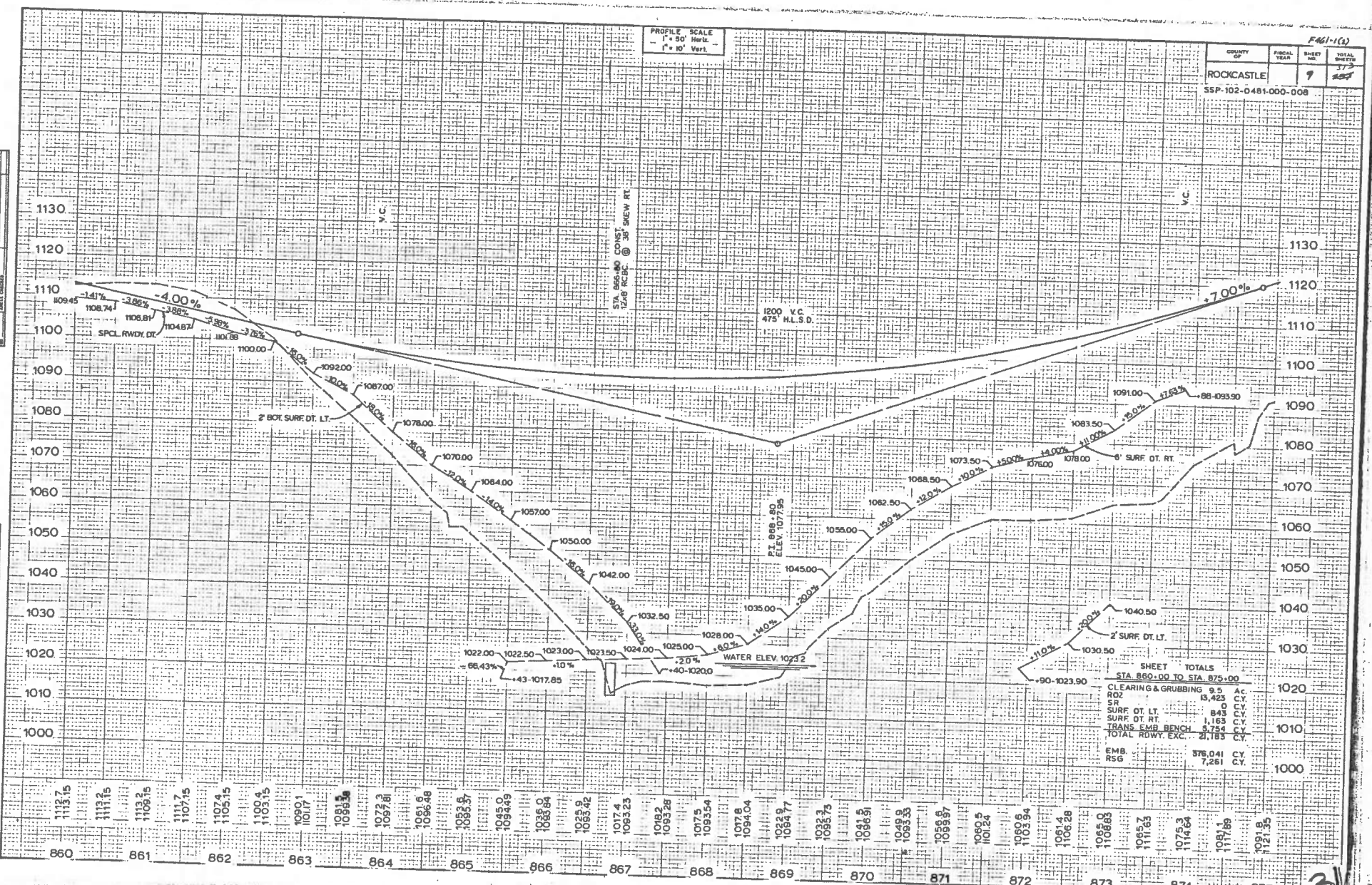
PLAN SCALE: 1"=60'

STA. 860+00 - STA. 875+00

PROFILE SCALE
 1" = 50' Horiz.
 1" = 10' Vert.

COUNTY OF		FISCAL YEAR		SHEET NO.		TOTAL SHEETS	
ROCKCASTLE		9		9		9	

35P-102-0481-000-008



DATE	BY

DATE	BY

DATE
 DRAWN BY
 CHECKED BY

31

STA. 860+00 - STA. 875+00

(P 70) MICHAEL JONES
MARY JANE " (WF)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Fockcastle		10	297

SSP-102-D461-000-008

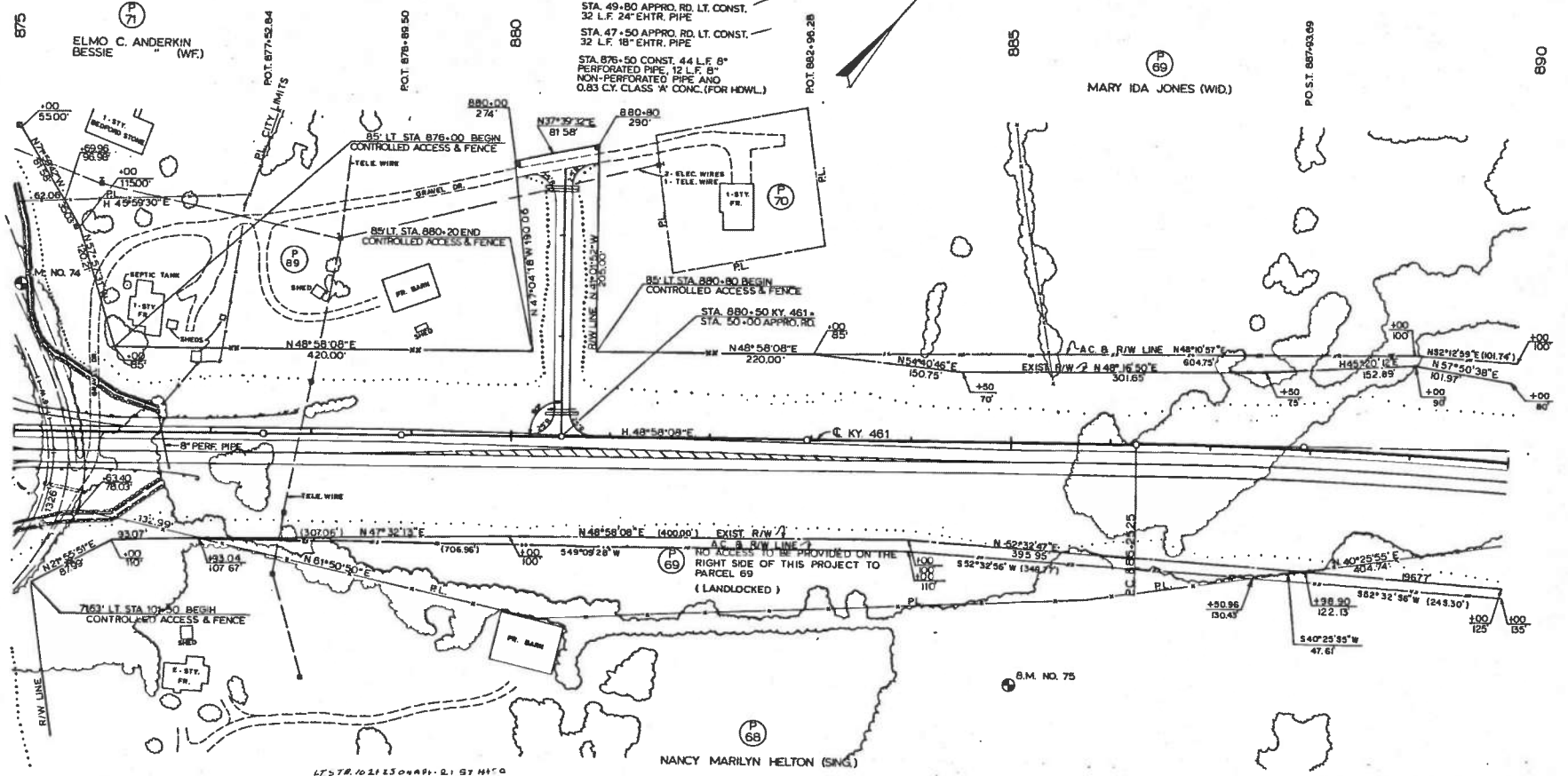
LT. STA. 875+00 TO 877+87.50 CONST.
287.5 L.F. STEEL "W" BEAM GUARD RAIL
(SGL. FACE) & 1-END TREATMENT TY. 2A

LT. STA. 875+00 TO STA. 876+50 CONST.
2' BOTTOM SURFACE DITCH W/ CLASS
III CHANNEL LINING (185 TONS)

STA. 49+80 APPRO. RD. LT. CONST.
32 L.F. 24" ENTR. PIPE

STA. 47+50 APPRO. RD. LT. CONST.
32 L.F. 18" ENTR. PIPE

STA. 876+50 CONST. 4.4 L.F. 8"
PERFORATED PIPE, 12 L.F. 8"
NON-PERFORATED PIPE AND
0.83 C.Y. CLASS "A" CONC. (FOR HDWL.)



RT. STA. 875+00 TO STA. 876+50 CONST.
4' BOTTOM SURFACE DITCH W/ CLASS
III CHANNEL LINING (200 TONS)

RT. STA. 875+00 TO STA. 876+87.50 CONST.
187.5 L.F. STEEL "W" BEAM GUARD RAIL
(SGL. FACE) & 1-END TREATMENT TY. 2A

CURVE DATA
PI 904+71.77
Δ=35°43'34"
C=1'00'00"
T=1846.52'
L=3572.81'
R=5729.58'
E=290.20'
e=0.0327'
Runoff=175'
Runout=115'

PLAN SCALE: 1"=50'

B.M. NO. 74: Nail in base of 16" Cedar
145' Lt. of Sta. 875+00. Elev 1101.96

B.M. NO. 75: Nail in Root of 36" Twin White Oak
242' Rt. of Sta. 885+00 Elev 1223.30.

PROFILE SCALE
 1" = 50' Horiz.
 1" = 10' Vert.

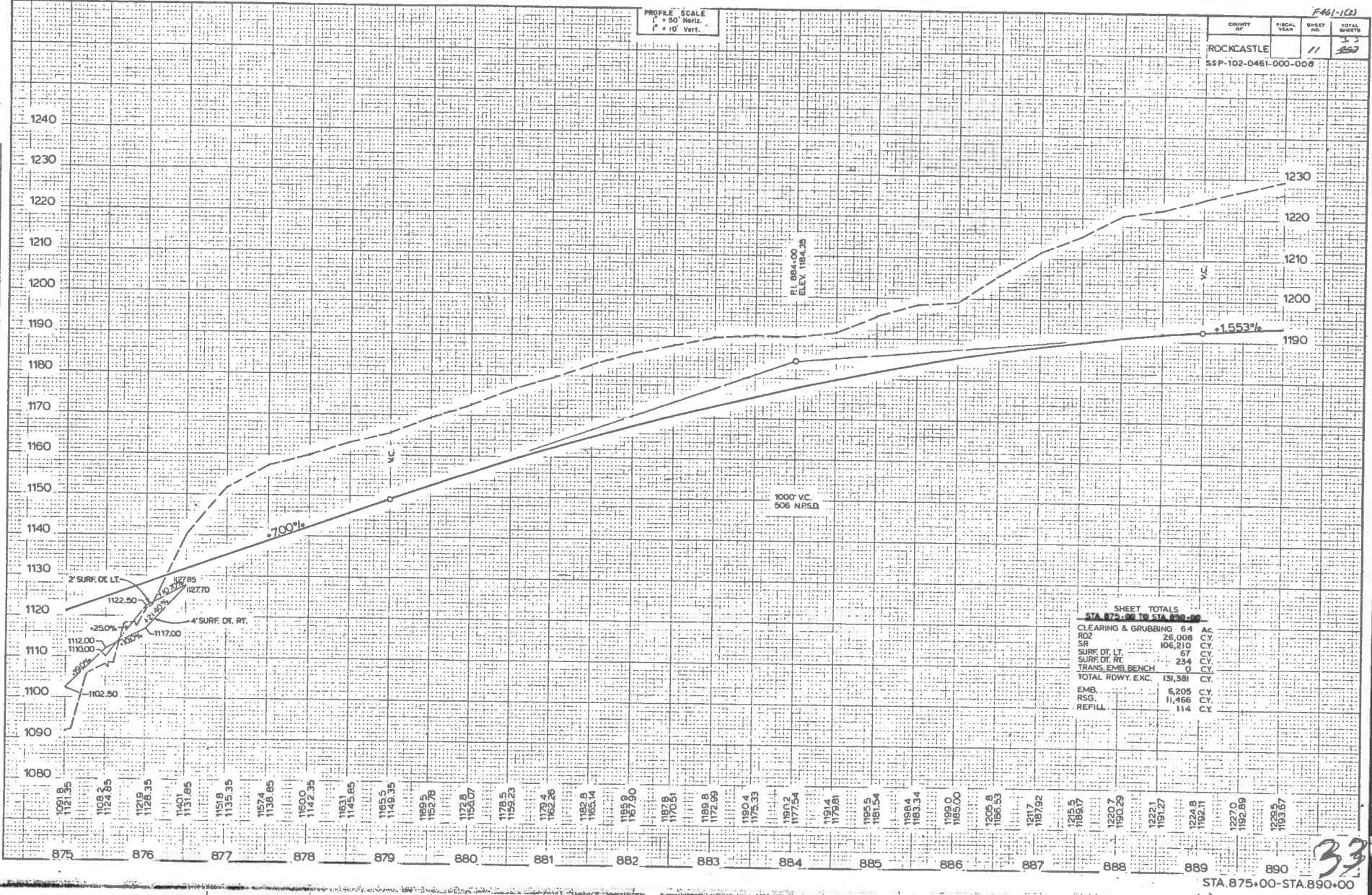
E461-100

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
ROCKCASTLE		11	15

SSP-102-0461-000-008

DATE	BY

DATE	BY



SHEET TOTALS
 STA 875+00 TO STA 890+00

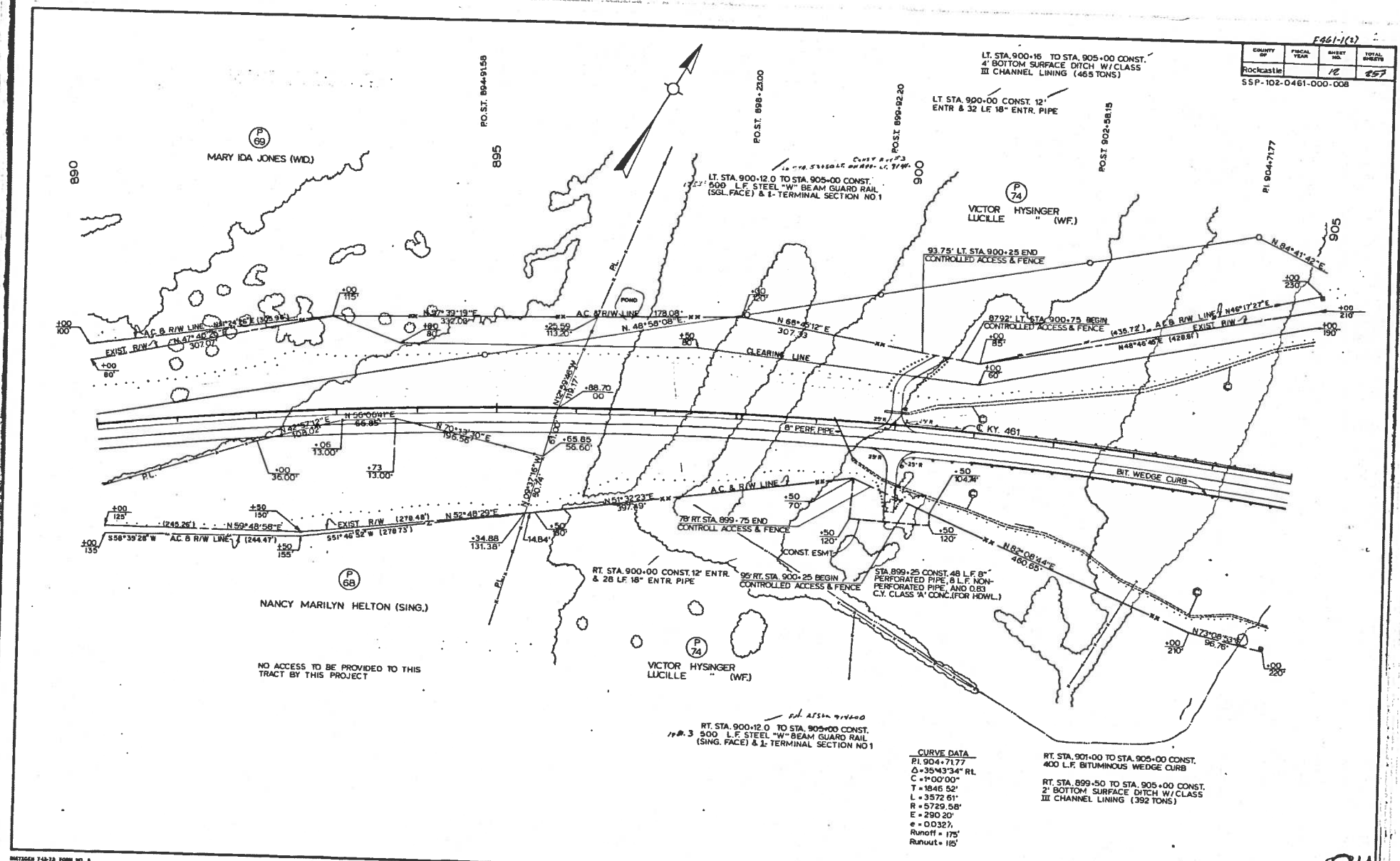
CLEARING & GRUBBING	6.4	AC
R.O.Z.	26,008	C.Y.
SR	106,210	C.Y.
SURF. DT. LT.	67	C.Y.
SURF. DT. RT.	234	C.Y.
TRANS. EMB. BENCH	0	C.Y.
TOTAL RDWY. E.M.C.	131,361	C.Y.
EMB.	6,205	C.Y.
RSG.	11,466	C.Y.
REFILL	114	C.Y.

STA. 875+00-STA. 890+00

33

COUNTY	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle		12	257

SSP-102-0461-000-008



LT. STA. 900-15 TO STA. 905-00 CONST.
4' BOTTOM SURFACE DITCH W/ CLASS III CHANNEL LINING (465 TONS)

LT. STA. 900-00 CONST. 12' ENTR & 32 LF 18" ENTR. PIPE

LT. STA. 900-12.0 TO STA. 905-00 CONST.
200 L.F. STEEL "W" BEAM GUARD RAIL (SGL. FACE) & 1- TERMINAL SECTION NO 1

VICTOR HYSINGER " (WF.)
LUCILLE

93.75' LT. STA. 900+25 END CONTROLLED ACCESS & FENCE

87.92' LT. STA. 900+75 BEGIN CONTROLLED ACCESS & FENCE

C KY 461

ENT. WEDGE CURB

RT. STA. 900-00 CONST. 12' ENTR. & 28 LF 18" ENTR. PIPE

95' RT. STA. 900+25 BEGIN CONTROLLED ACCESS & FENCE

STA. 899+25 CONST. 48 L.F. 8" PERFORATED PIPE, 8 L.F. NON-PERFORATED PIPE, AND 0.83 C.Y. CLASS 'A' CONC. (FOR HDWL.)

VICTOR HYSINGER " (WF.)
LUCILLE

RT. STA. 900+12.0 TO STA. 905+00 CONST.
500 L.F. STEEL "W" BEAM GUARD RAIL (SING. FACE) & 1- TERMINAL SECTION NO 1

CURVE DATA
PI 904+71.77
Δ=35°43'34" RL
C=+00'00"
T=1846.52'
L=3572.61'
R=5729.58'
E=290.20'
e=0.032%
Runoff=175'
Runout=115'

RT. STA. 901+00 TO STA. 905+00 CONST.
400 L.F. BITUMINOUS WEDGE CURB

RT. STA. 899+50 TO STA. 905+00 CONST.
2' BOTTOM SURFACE DITCH W/ CLASS III CHANNEL LINING (392 TONS)

NANCY MARILYN HELTON (SING.)

NO ACCESS TO BE PROVIDED TO THIS TRACT BY THIS PROJECT

PLAN SCALE: 1" = 50'

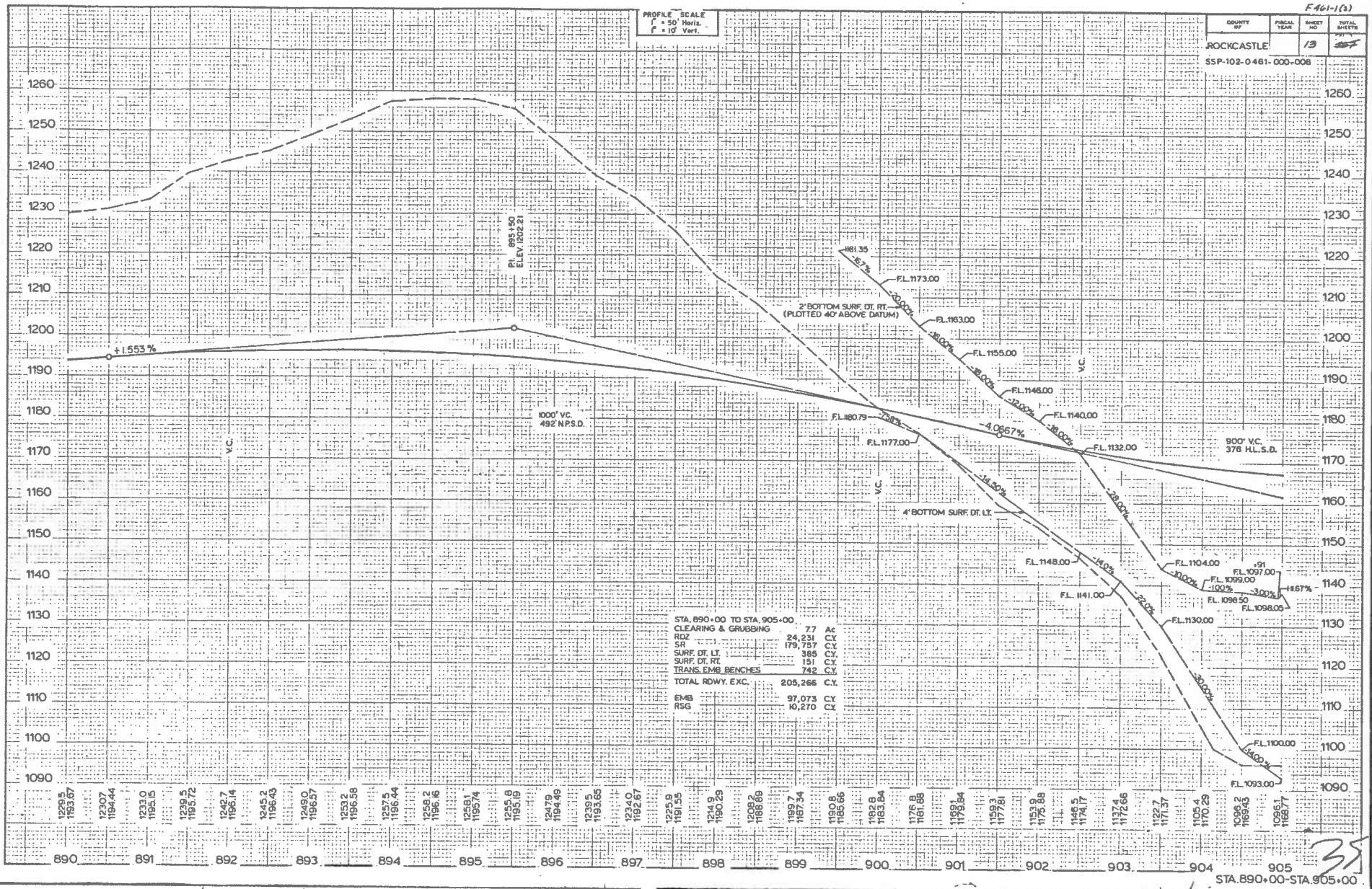
STA. 890+00 - STA. 905+00

34

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
ROCKCASTLE	13	35	

SSP-102-0481-000-008

PROFILE SCALE
 H = 50' Horiz.
 V = 10' Vert.



STA. 890+00 TO STA. 905+00	
CLEARING & GRUBBING	77 AC
RDZ	24,231 CY
SR	179,757 CY
SURF. DT. LT.	385 CY
SURF. DT. RT.	151 CY
TRANS. EMB. BENCHES	742 CY
TOTAL RDWY. EXC.	205,266 CY
EMB.	97,073 CY
RSG	10,270 CY

DATE	BY	REVISION

DATE	BY	REVISION

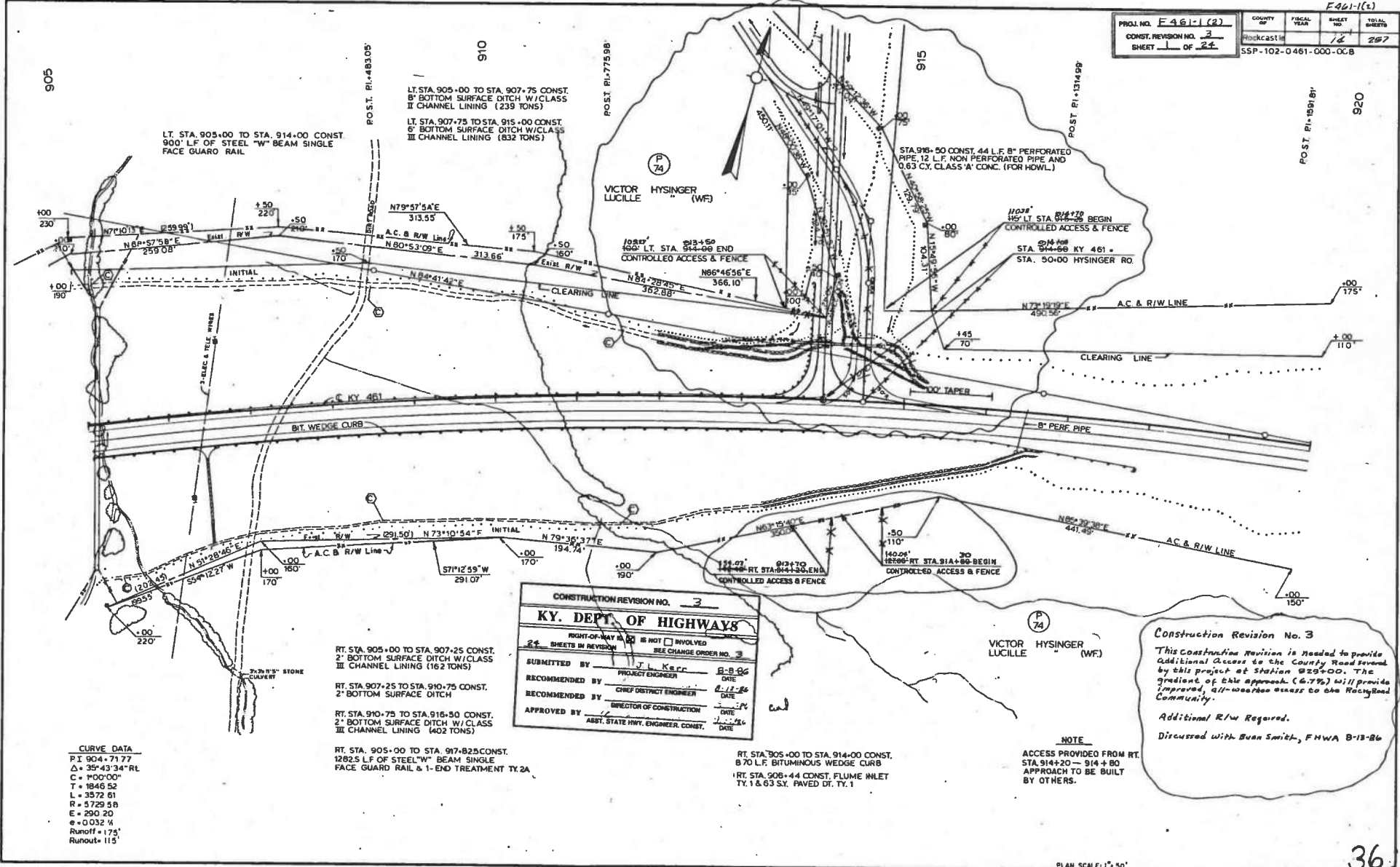
DATE PLOTTED: 08/11/13
 PLOT SCALE: 1" = 40'

STA. 890+00-STA. 905+00

35

PROJ. NO.	F461-1(2)
CONST. REVISION NO.	3
SHEET	1 of 24

COUNTY	Rockcastle
FISCAL YEAR	12
SHEET NO.	257
TOTAL SHEETS	
SSP-102-0461-000-0C-B	



LT. STA. 905+00 TO STA. 914+00 CONST.
900' LF OF STEEL "W" BEAM SINGLE
FACE GUARD RAIL

LT. STA. 905+00 TO STA. 907+75 CONST.
8" BOTTOM SURFACE DITCH W/CLASS
II CHANNEL LINING (239 TONS)

LT. STA. 907+75 TO STA. 915+00 CONST.
6" BOTTOM SURFACE DITCH W/CLASS
III CHANNEL LINING (832 TONS)

STA. 916+50 CONST. 44 L.F. 8" PERFORATED
PIPE, 12 L.F. NON PERFORATED PIPE AND
0.63 CY. CLASS 'A' CONC. (FOR HOWL.)

1103' LT. STA. 914+75 BEGIN
CONTROLLED ACCESS & FENCE

STA. 914+50 KY 461
STA. 90+00 HYSINGER RO.

140.24' RT. STA. 914+50 BEGIN
CONTROLLED ACCESS & FENCE

CONSTRUCTION REVISION NO. 3	
KY. DEPT. OF HIGHWAYS	
RIGHT-OF-WAY IS NOT INVOLVED	
SEE CHANGE ORDER NO. 3	
SUBMITTED BY	J. L. KERR
PROJECT ENGINEER	8-8-06
DATE	
RECOMMENDED BY	CHIEF DISTRICT ENGINEER
DATE	8-11-06
RECOMMENDED BY	DIRECTOR OF CONSTRUCTION
DATE	8-22-06
APPROVED BY	ASST. STATE HWT. ENGINEER, CONST.
DATE	

RT. STA. 905+00 TO STA. 907+25 CONST.
2" BOTTOM SURFACE DITCH W/CLASS
III CHANNEL LINING (162 TONS)

RT. STA. 907+25 TO STA. 910+75 CONST.
2" BOTTOM SURFACE DITCH

RT. STA. 910+75 TO STA. 916+50 CONST.
2" BOTTOM SURFACE DITCH W/CLASS
III CHANNEL LINING (402 TONS)

RT. STA. 905+00 TO STA. 917+825 CONST.
1282.5 LF OF STEEL "W" BEAM SINGLE
FACE GUARD RAIL & 1- END TREATMENT TY. 2A

RT. STA. 905+00 TO STA. 914+00 CONST.
870 L.F. BITUMINOUS WEDGE CURB
RT. STA. 906+44 CONST. FLUME INLET
TY. 1 & 63 SY. PAVED DT. TY. 1

NOTE
ACCESS PROVIDED FROM RT.
STA. 914+20 - 914+80
APPROACH TO BE BUILT
BY OTHERS.

Construction Revision No. 3
This Construction Revision is needed to provide
Additional Access to the County Road served
by this project at Station 920+00. The
gradient of this approach (4.7%) will provide
improved air-weather access to the Rocky Road
Community.
Additional R/W Required.
Discussed with Susan Smith, FHWA 8-18-06

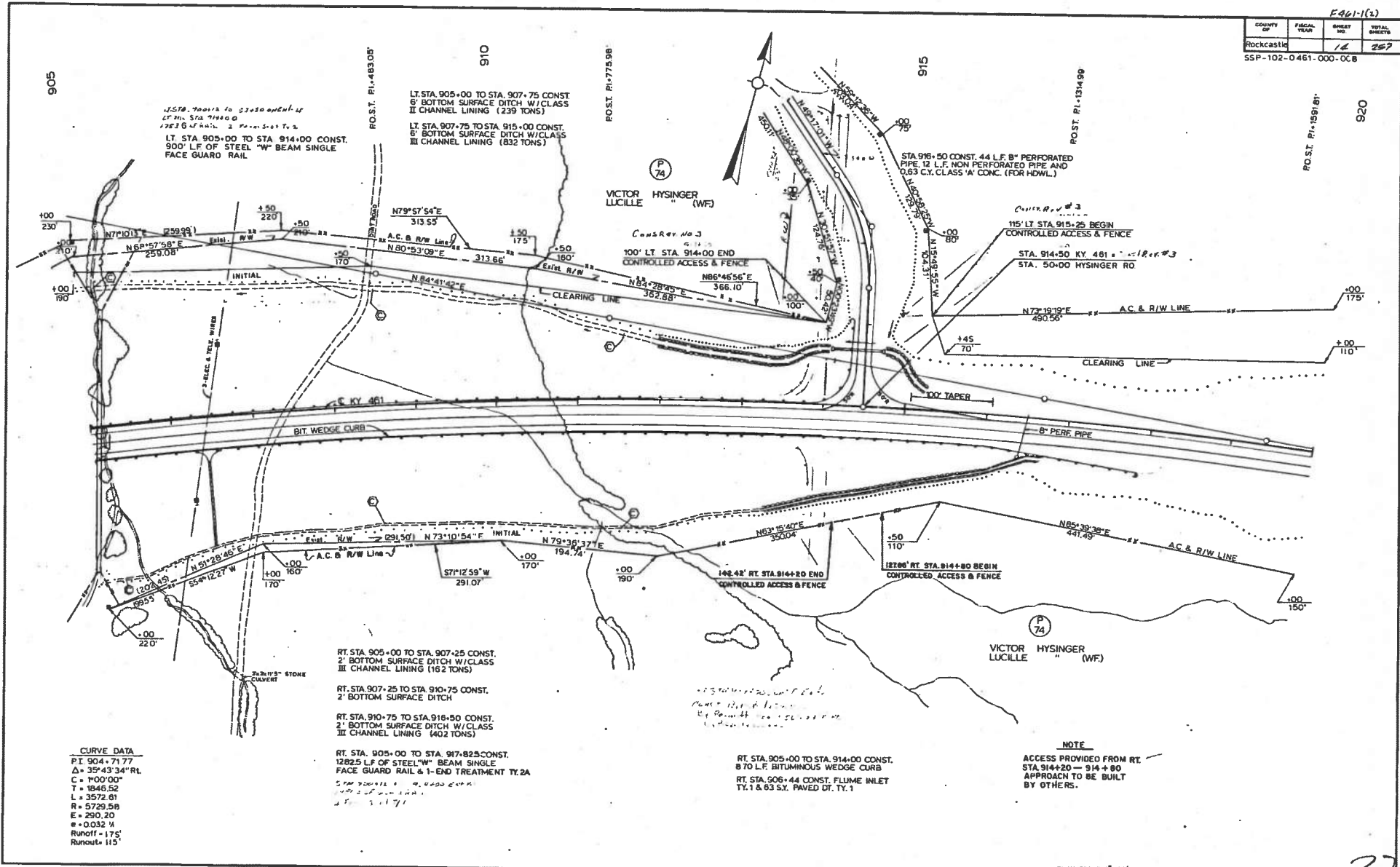
CURVE DATA
PI 904+71.77
Δ = 35°43'34" RL
C = 100'00"
T = 1846.52
L = 3572.61
R = 5729.58
E = 290.20
e = 0.032 1/4
Runoff = 175'
Runout = 115'

PLAN SCALE: 1" = 50'

E461-1(2)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle		12	257

SSP-102-0461-000-008



1570.70012 to 5300 and 1/2
 LT STA. 905+00
 125' LG. FACE GUARD RAIL 2' FROM 5' TO 2'
 LT STA. 905+00 TO STA. 914+00 CONST.
 900' LF OF STEEL "W" BEAM SINGLE
 FACE GUARD RAIL

LT STA. 905+00 TO STA. 907+75 CONST.
 6' BOTTOM SURFACE DITCH W/CLASS
 II CHANNEL LINING (239 TONS)
 LT STA. 907+75 TO STA. 915+00 CONST.
 6' BOTTOM SURFACE DITCH W/CLASS
 III CHANNEL LINING (832 TONS)

STA. 916+50 CONST. 4.4 L.F. 8" PERFORATED
 PIPE. 12 L.F. NON PERFORATED PIPE AND
 0.63 CY. CLASS 'A' CONC. (FOR HDWL.)

RT. STA. 905+00 TO STA. 907+25 CONST.
 2' BOTTOM SURFACE DITCH W/CLASS
 III CHANNEL LINING (162 TONS)

RT. STA. 907+25 TO STA. 910+75 CONST.
 2' BOTTOM SURFACE DITCH

RT. STA. 910+75 TO STA. 916+50 CONST.
 2' BOTTOM SURFACE DITCH W/CLASS
 III CHANNEL LINING (402 TONS)

RT. STA. 905+00 TO STA. 917+82.5 CONST.
 1282.5 LF OF STEEL "W" BEAM SINGLE
 FACE GUARD RAIL & 1-END TREATMENT TY. 2A

RT. STA. 905+00 TO STA. 914+00 CONST.
 870 L.F. BITUMINOUS WEDGE CURB
 RT. STA. 908+44 CONST. FLUME INLET
 TY. 1 & 6.3 CY. PAVED DT. TY. 1

NOTE
 ACCESS PROVIDED FROM RT.
 STA. 914+20 - 914+80
 APPROACH TO BE BUILT
 BY OTHERS.

CURVE DATA
 P.T. 904+71.77
 $\Delta = 35^{\circ}43'34''$ RL
 C = 100' 00"
 T = 194.652
 L = 3572.01
 R = 5729.58
 E = 290.20
 $e = 0.032$ ft
 Runoff = 175'
 Runout = 115'

37

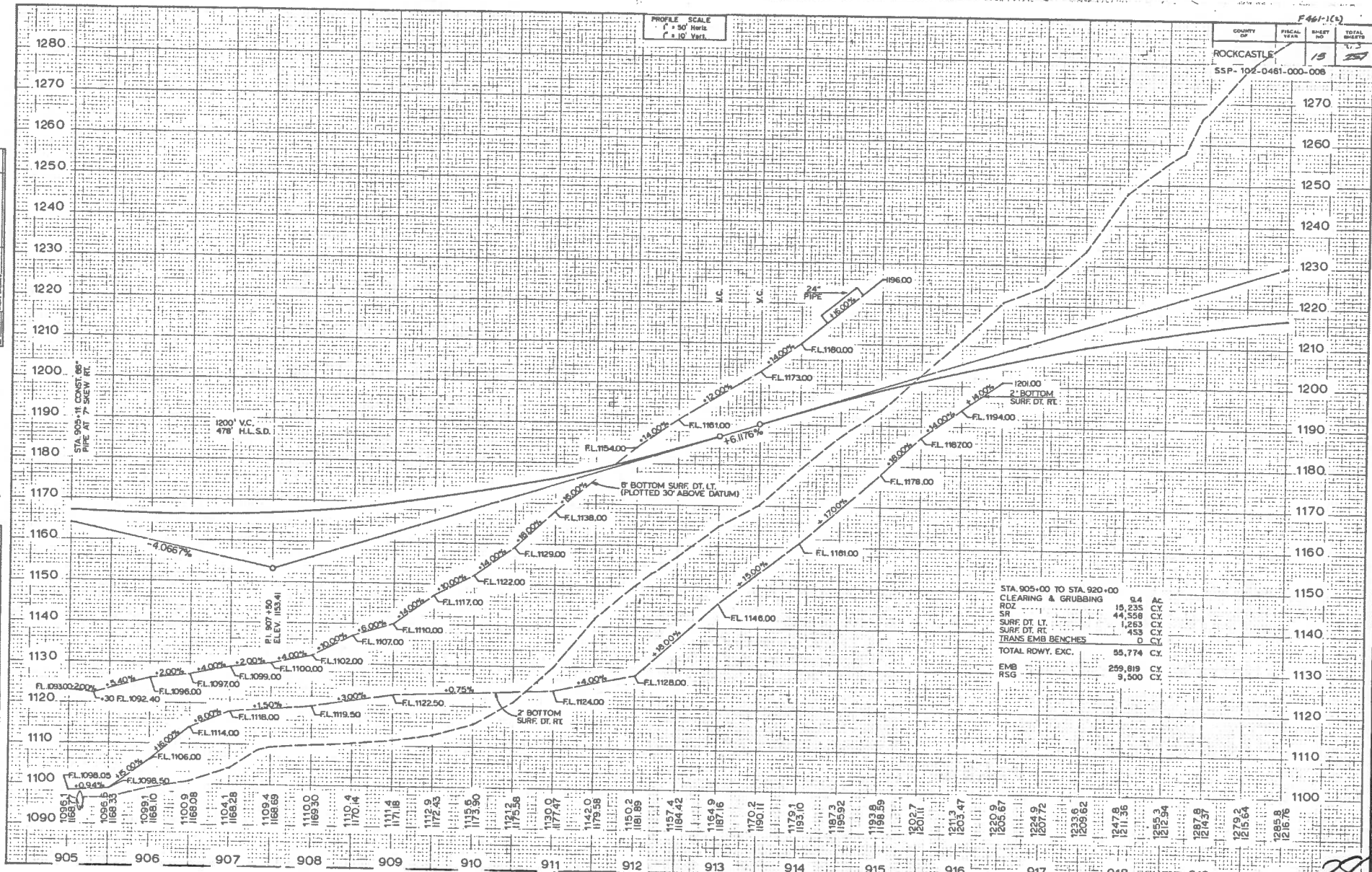
E461-1(2)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
ROCKCASTLE		13	55
SSP-102-0461-000-008			

PROFILE SCALE
 1" = 40' Horiz.
 1" = 10' Vert.

DATE	BY

DATE	BY



STA. 905+00 TO STA. 920+00	
CLEARING & GRUBBING	9.4
RDZ	15,235
SR	44,568
SURF DT. LT.	1,283
SURF DT. RT.	453
TRANS EMB BENCHES	0
TOTAL ROWDY. EXC.	55,774
EMB	259,819
RSG	9,500

38

STA. 905+00 - STA. 920+00

COUNTY	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle		10	207

SSP-102-D461-000-008

LT. STA. 931+82.50 TO STA. 933+50 CONST.
187.5 LF STEEL "W" BEAM SINGLE FACE
GUARD RAIL & 1-END TREATMENT TY. 2-A

LT. STA. 928+25 CONST. 25 LF STEEL "W" BEAM SINGLE FACE
GUARD RAIL BARRICADE & 2-TERMINAL SECTIONS NO. 1--

NO ACCESS TO BE PROVIDED ON
THIS PROJECT TO PARCEL 76

LT. STA. 932+50 TO STA. 933+00 CONST.
2' BOTTOM SURFACE DITCH WITH
CLASS III CHANNEL LINING (59 TONS)

NO ACCESS TO BE PROVIDED ON
THIS PROJECT TO PARCEL 78

RT. STA. 933+00 TO STA. 935+00 CONST. 200 LF 6" STEEL "W" BEAM SINGLE FACE GUARD RAIL & 1-END TREATMENT TY. 3

STA. 932+60 CONST. 44 LF 8" PERFORATED PIPE, 12 LF NON-PERFORATED PIPE AND 0.83 CY. CLASS "A" CONC. (FOR HDWL.)

RT. STA. 934+25 TO STA. 935+00 CONST. 6' BOTTOM SURFACE DITCH W/ CLASS III CHANNEL LINING (67 TONS)

RT. STA. 930+15 CONST. 25 LF STEEL "W" BEAM SINGLE FACE GUARD RAIL BARRICADE & 2-TERM. SECTIONS NO. 1, 1

NO ACCESS TO BE PROVIDED ON
THIS PROJECT TO PARCEL 75

920

P.O.T. 924+07.45

925

930

935

(P 74)
VICTOR HYSINGER
LUCILLE (WF)

(P 75)
DEWEY ALCORN
"FRANCIS" (WF)

(P 78)
MONROE GRIFFIN (SING.)

(P 84)
J.W. LOGSDON (HEIRS)

(P 83)
LANDLOCKED

(P 74)
VICTOR HYSINGER
LUCILLE (WF)

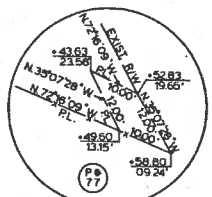
(P 75)
WAYNE JASPER
ROSA LEE (WF)

(P 77)

(P 78)

(P 83)
CLARENCE CARTER
LOUISE (WF)

CURVE DATA
PI. 904+71.77
Δ = 35°43'34" RT
C = 1'00" 00"
T = 1846.52'
L = 3572.61'
R = 5729.58'
E = 290.20'
e = 0.032 1/4
Runoff = 175'
Runout = 115'



DETAIL SCALE 1"=10'

PLAN SCALE: 1"=50'

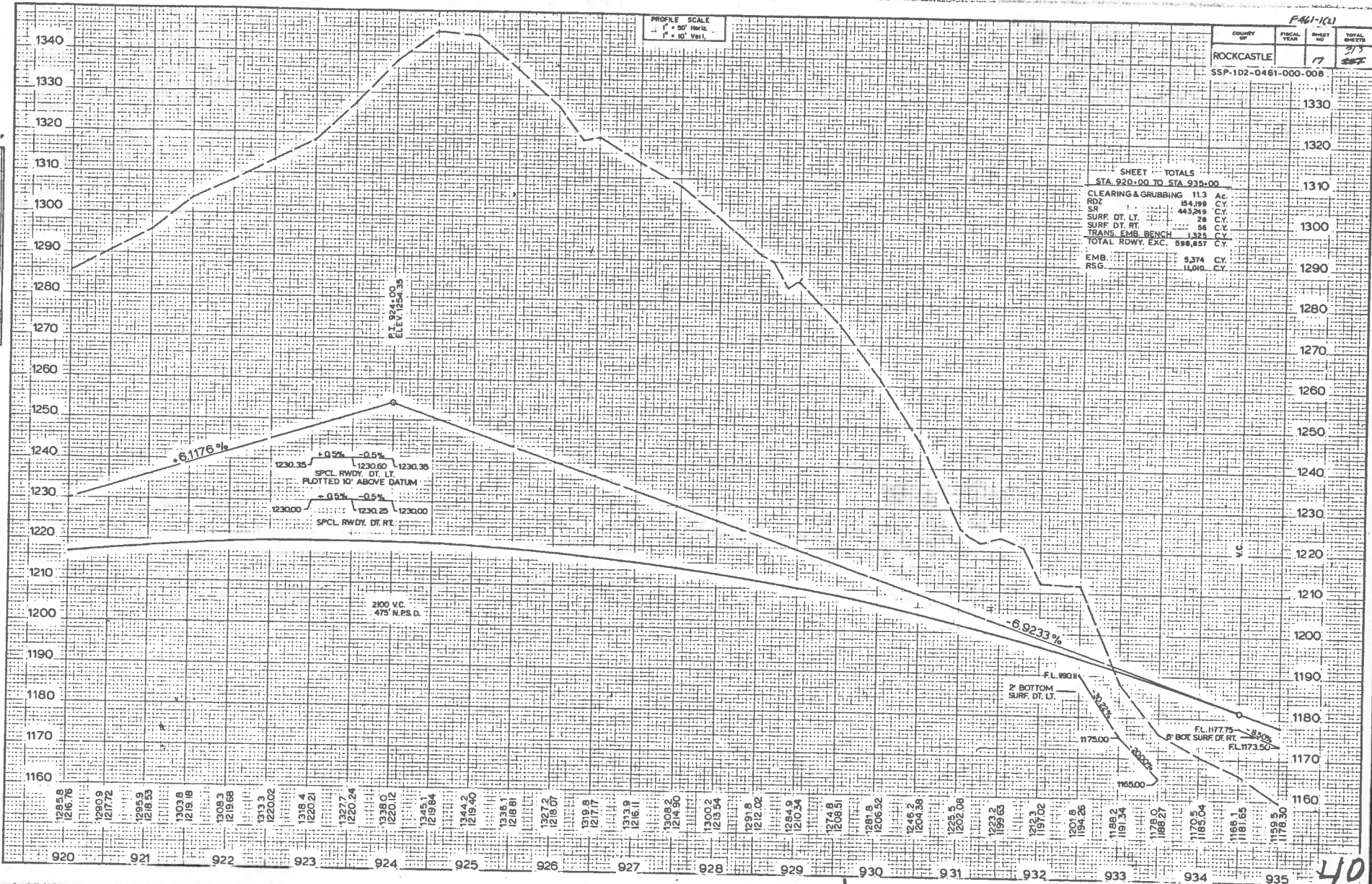
JERRY J COX
VICKI C. " (WF)
HAROLD C. JONES
CLARA MAE " (W-)
STA. 920+00 - STA. 935+00

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
ROCKCASTLE	17	375	385

SSP-1D2-0461-000-008

PROFILE SCALE
 1" = 50' Horiz.
 1" = 10' Vert.

SHEET TOTALS	
STA 920.00 TO STA 935.00	
CLEARING & GRUBBING	11.3 Ac
RDZ	454,199 C.Y.
SR	443,249 C.Y.
SURF DT. LT.	28 C.Y.
SURF DT. RT.	56 C.Y.
TRANS. EMB. BENCH	1,323 C.Y.
TOTAL ROWY. EXC.	598,857 C.Y.
EMB. RSG.	5,374 C.Y.
	1,010 C.Y.



STA 920.00-STA 935.00

40

DATE	BY	REVISION

DATE	BY	REVISION

OVERSEER'S NAME
 PROJECT NO.

Rockcastle County F461-1(2)
 Construction Revision No 1
 Sheet 1 of 3

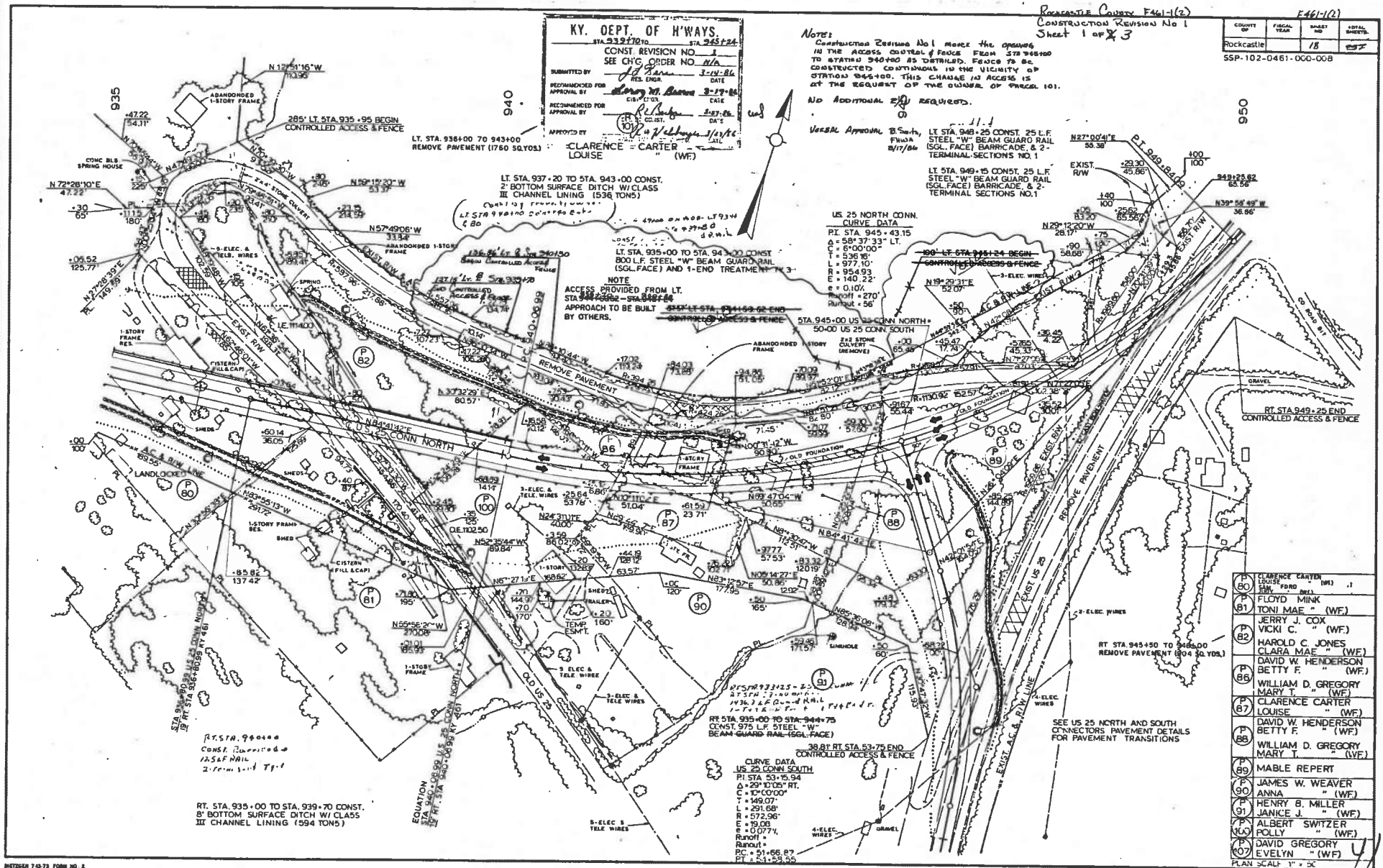
COUNTY	FISCAL YEAR	SHEET NO	TOTAL SHEETS
Rockcastle	18	037	037

SSP-102-0461-000-008

KY. DEPT. OF H'WAYS.
 STA. 935+00 TO STA. 950+00
CONST. REVISION NO. 1
 SEE CHG. ORDER NO. *111A*
 SUBMITTED BY *J.P. HALL* RES. ENGR. DATE *3-27-84*
 RECOMMENDED FOR APPROVAL BY *Dorothy M. Barnes* CIV. ENGR. DATE *3-27-84*
 APPROVED BY *Clarence Carter* CIV. ENGR. DATE *3-27-84*
CLARENCE CARTER
LOUISE (WF)

Notes:
 Construction Revision No 1 moves the opening in the access control fence from STA 935+00 to STA 940+00 as detailed. Fence to be constructed continuous in the vicinity of station 945+00. This change in access is at the request of the owner of parcel 101.
 No additional EIR required.

US 25 NORTH CONN. CURVE DATA
 PI STA 945+43.15
 $\Delta = 58^{\circ}37'33''$ LT
 $C = 8^{\circ}00'00''$
 $T = 536.96'$
 $L = 977.10'$
 $R = 954.93'$
 $e = 0.10\%$
 Runoff = 270'
 Runoff = 56'



- P 80 CLARENCE CARTER LOUISE FORD (WF) .1
 - P 81 FLOYD MINK ANNA (WF)
 - P 82 JERRY J. COX VICKI C. (WF)
 - P 83 HAROLD C. JONES CLARA MAE (WF)
 - P 84 DAVID W. HENDERSON BETTY F. (WF)
 - P 85 WILLIAM D. GREGORY MARY T. (WF)
 - P 86 CLARENCE CARTER LOUISE (WF)
 - P 87 DAVID W. HENDERSON BETTY F. (WF)
 - P 88 WILLIAM D. GREGORY MARY T. (WF)
 - P 89 MABLE REPERT
 - P 90 JAMES W. WEAVER ANNA (WF)
 - P 91 HENRY B. MILLER JANICE J. (WF)
 - P 92 ALBERT SWITZER ROLLY (WF)
 - P 93 DAVID GREGORY EVELYN (WF)
- PLAN SCALE 1" = 20'

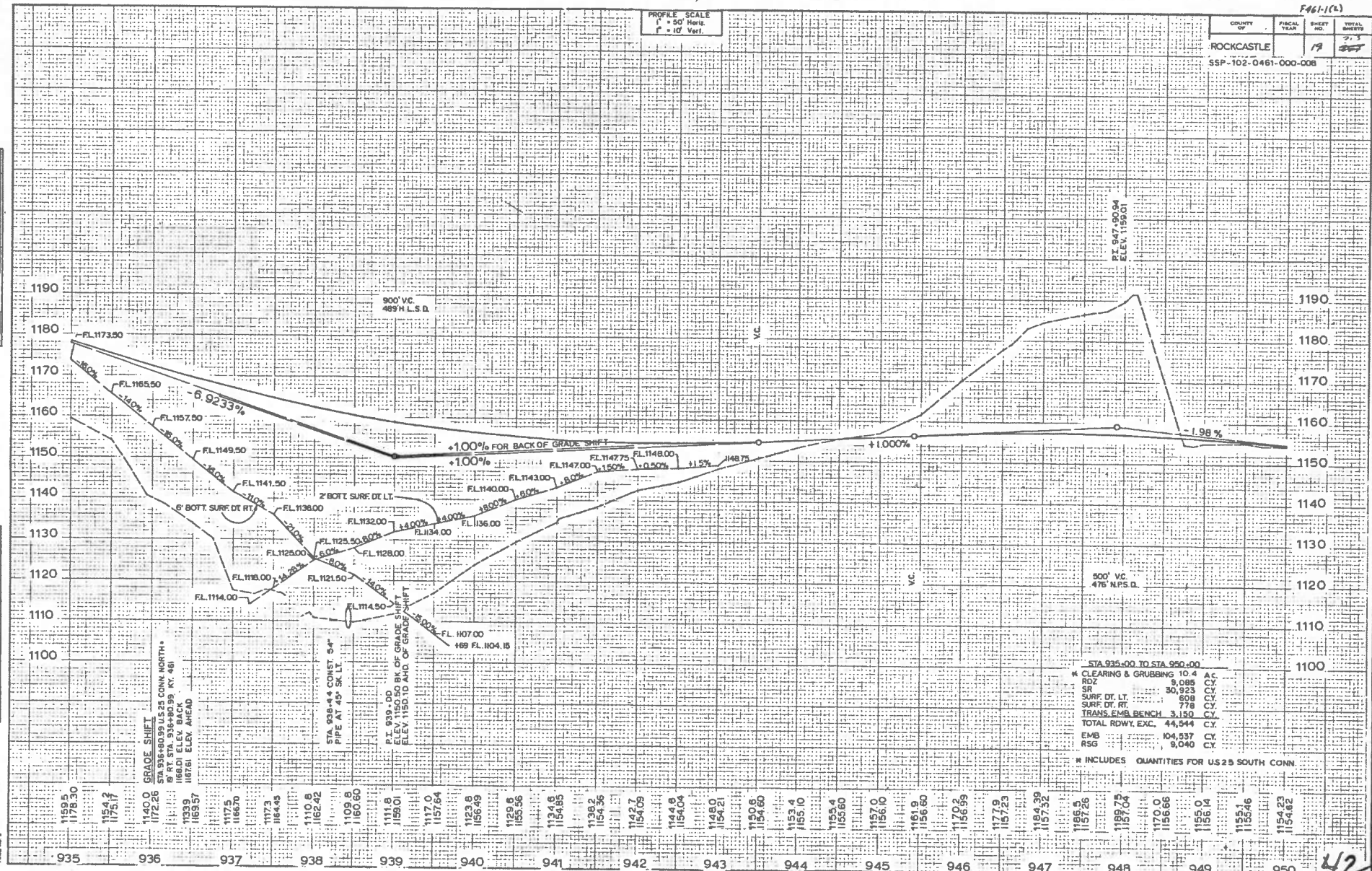
RT. STA. 935+00 TO STA. 939+70 CONST.
 8' BOTTOM SURFACE DITCH W/ CLASS III CHANNEL LINING (594 TONS)

CURVE DATA
 US 25 CONN SOUTH
 PI STA 53+15.94
 $\Delta = 29^{\circ}10'05''$ RT
 $C = 10^{\circ}00'00''$
 $T = 149.07'$
 $L = 291.58'$
 $R = 572.96'$
 $e = 19.08\%$
 $e = 0.077\%$
 Runoff =
 Runoff =
 PI = 51+66.87
 PT = 51+59.55

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
ROCKCASTLE		19	27

SSP-102-0461-000-008

PROFILE SCALE
 H = 50' Horiz.
 V = 10' Vert.



STA 935+00 TO STA 950+00	
CL	10.4
GRUBBING	8.085
SR	30.923
SURF DT LT	608
SURF DT RT	778
TRANS EMB BENCH	3.150
TOTAL RDWY EXC.	44,544
EMB	104,537
RSG	9,040

* INCLUDES QUANTITIES FOR US 25 SOUTH CONN

DESIGNED BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE

PROJECT NO.	DATE
CONTRACT NO.	DATE
SECTION NO.	DATE

STA. 935+00 STA. 950+00

F 461-1(2)

COUNTY	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
ROCKCASTLE	20	32	32

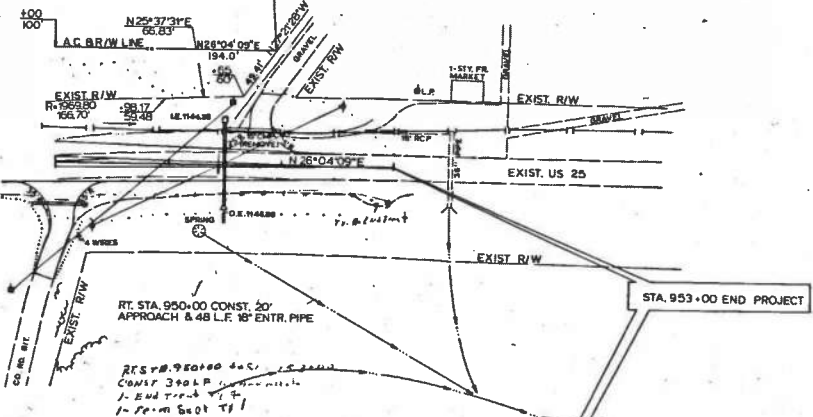
SSP-102-0461-000-008



100+ STA 951+94 END
CONTROLLED ACCESS & FENCE

DAVID GREGORY
EVELYN (WF)

LT. STA. 951+80 CONST. 18"
APPROACH (NO PIPE)



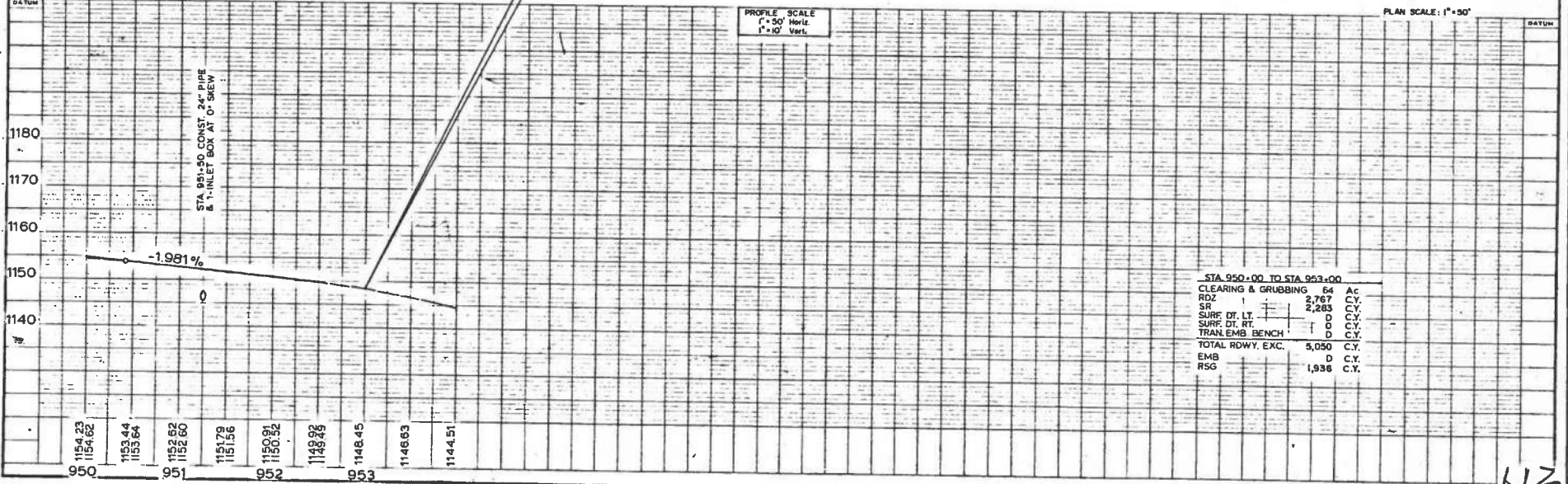
RT. STA. 950+00 CONST. 20"
APPROACH & 48 L.F. 18" ENTR. PIPE

RT STA. 950+00 CONST. 20"
APPROACH & 48 L.F. 18" ENTR. PIPE
1. End of 18" pipe
1. From 500' to 11'

STA. 953+00 END PROJECT

PROFILE SCALE
1" = 50' Horiz.
1" = 10' Vert.

PLAN SCALE: 1" = 50'



STA 950+00 TO STA 953+00

CLEARING & GRUBBING	54	Ac.
RDZ	2,767	C.Y.
SR	2,283	C.Y.
SURF. DT. LT.	D	C.Y.
SURF. DT. RT.	D	C.Y.
TRAN. EMB. BENCH	D	C.Y.
TOTAL RDWY. EXC.	5,050	C.Y.
EMB	D	C.Y.
RSG	1,938	C.Y.

STA. 950+00 - STA. 953+00

43

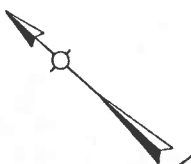
PLAN
DATE: 10/1/20
BY: [Signature]
CHECKED: [Signature]
SCALE: AS SHOWN

PROFILE
DATE: 10/1/20
BY: [Signature]
CHECKED: [Signature]
SCALE: 1" = 50' HORIZ.
1" = 10' VERT.

LET & SET PRINT CS 7/10/11
FOUR NO. 1

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle		2	297

SSP-102-0461-000-008



95

100

105

LT STA 93+50 @ RELOC KY 1326
CONST 12' ENTR & 32' L.F. 15' ENTR. PIPE

CURVE DATA
 P.I. STA. 95+70.34
 $\Delta = 24^\circ 25' 45''$ LT.
 $C = 11^\circ 00' 00''$
 $T = 112.75'$
 $L = 222.08'$
 $R = 520.87'$
 $E = 1205'$
 $e = 0.079\%$
 Runoff = 93+81.00 (Flat) - 95+39.00
 PC STA. 94+57.59
 PT. STA. 96+79.69

LT STA 97+50 TO 99+00 CONST
2' BOTTOM SURFACE DITCH W/
CLASS III CHANNEL LINING (107 TONS)

LT STA 97+00 TO 99+70 CONST.
2875 L.F. STEEL "W" BEAM SINGLE FACE
GUARD RAIL & 1-TERMINAL SECTION NO.1

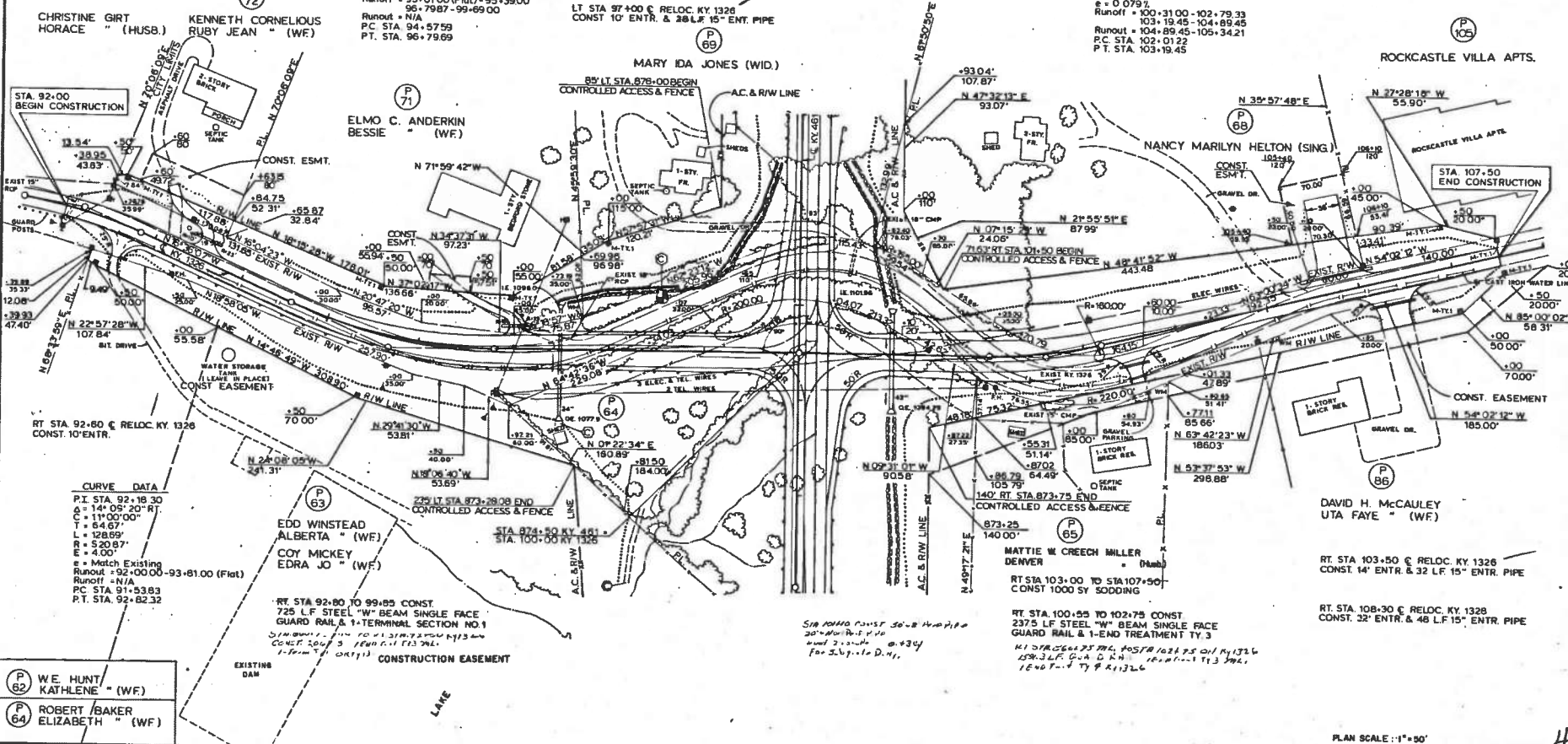
RT STA 102+25 @ RT. B. 876+50
CONST 948.916 C-4 RAIL
2-End Treat Ty 2.4

LT STA. 100+85 TO 102+50 CONST
225 L.F. STEEL "W" BEAM SINGLE FACE
GUARD RAIL & 1-END TREATMENT TY.3

CURVE DATA
 P.I. STA. 102+60.59
 $\Delta = 13^\circ 00' 20''$ LT.
 $C = 11^\circ 00' 00''$
 $T = 59.37'$
 $L = 118.23'$
 $R = 500.87'$
 $E = 3.37'$
 $e = 0.079\%$
 Runoff = 100+31.00 - 102+79.33
 103+19.45 - 104+69.45
 Runoff = 104+89.45 - 105+34.21
 PC STA. 102+01.22
 P.T. STA. 103+19.45

LT STA 106+20 TO STA 107+50
CONST 288 SY SODDING

LT STA 105+80 @ RELOC KY 1326
CONST 36' GRAV ENTR & 64 L.F. 15' PIPE
ARCN B 2 SLOPED BOX INLET OR OUTLET
TYPE I.



CURVE DATA
 P.I. STA. 92+18.30
 $\Delta = 14^\circ 05' 20''$ RT.
 $C = 11^\circ 00' 00''$
 $T = 64.67'$
 $L = 128.69'$
 $R = 520.87'$
 $E = 4.00'$
 $e =$ Match Existing
 Runoff = 92+00.00 - 93+81.00 (Flat)
 PC STA. 91+53.83
 P.T. STA. 92+82.32

- (P 82) W.E. HUNT
KATHLENE (WF)
- (P 64) ROBERT BAKER
ELIZABETH (WF)

(P 63) EDD WINSTEAD
ALBERTA (WF)
COY MICKEY
EDRA JO (WF)

RT STA 92+80 TO 99+85 CONST
725 L.F. STEEL "W" BEAM SINGLE FACE
GUARD RAIL & 1-TERMINAL SECTION NO.1
SODDING 1000 SY 1500 L.F. 15' ENTR. PIPE
CONST. 1000 SY SODDING
1-From 1-01113

STA 874+50 KY 481
STA 100+00 KY 1326

MATTIE W CRECH MILLER
DENVER
RT STA 103+00 TO STA 107+50
CONST 1000 SY SODDING

RT STA. 100+55 TO 102+75 CONST
2375 L.F. STEEL "W" BEAM SINGLE FACE
GUARD RAIL & 1-END TREATMENT TY.3

RT STA. 108+30 @ RELOC KY. 1326
CONST. 32' ENTR. & 48 L.F. 15' ENTR. PIPE

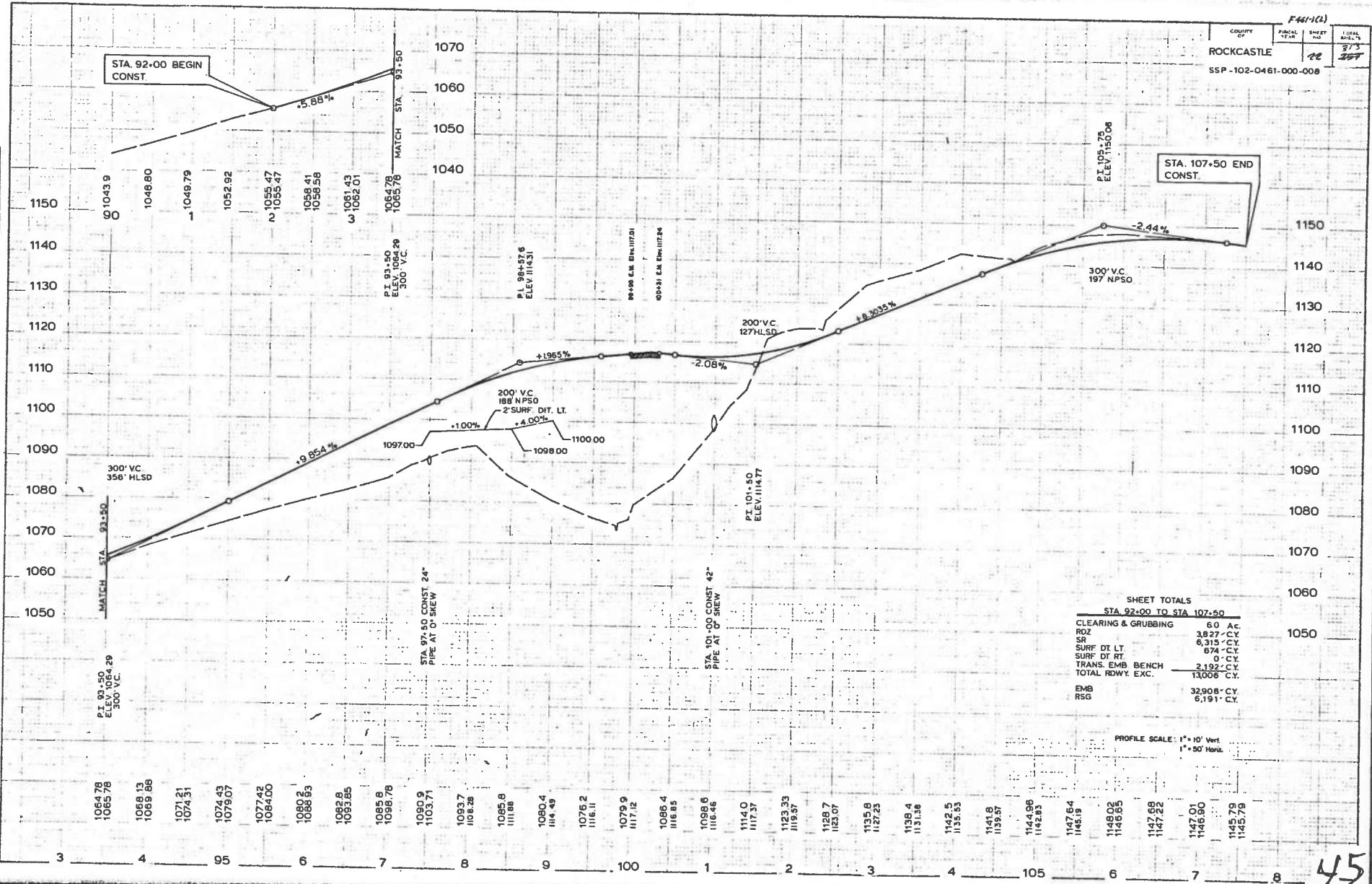
SUBMITTAL FOR 102+25 @ RT. B. 876+50
CONST 948.916 C-4 RAIL
2-End Treat Ty 2.4
FOR S.L.P. & D.N.

PLAN SCALE: 1"=50'

44

DATE	
BY	
CHECKED	
DESIGNED	
DRAWN	
IN CHARGE	

DATE	
BY	
CHECKED	
DESIGNED	
DRAWN	
IN CHARGE	



SHEET TOTALS
STA. 92+00 TO STA. 107+50

CLEARING & GRUBBING	6.0 AC.
RDZ	3827 C.Y.
SR	6315 C.Y.
SURF DT LT	674 C.Y.
SURF DT RT	0 C.Y.
TRANS. EMB BENCH	2192 C.Y.
TOTAL RDWY. EXC.	13006 C.Y.
EMB	32908 C.Y.
RSG	6191 C.Y.

PROFILE SCALE: 1" = 10' Vert
 1" = 50' Horz.

1064.78	1068.13	1071.51	1074.43	1077.42	1080.2	1083.8	1085.8	1086.4	1076.2	1079.9	1086.4	1114.0	1123.33	1128.7	1135.8	1138.4	1142.5	1141.8	1144.98	1147.64	1148.03	1147.68	1147.00	1145.79
1065.78	1069.88	1074.31	1079.07	1084.00	1086.83	1089.85	1090.9	1090.9	1093.7	1093.7	1095.8	1116.85	1119.57	1123.07	1127.23	1131.36	1135.53	1139.57	1142.83	1145.19	1146.65	1147.22	1146.90	1145.79

F461-103

COUNTY OF	FISCAL YEAR	SHEET NO	TOTAL SHEETS
Rockcastle		23	297

DETOUR CONSTRUCTION AND MAINTENANCE SHALL BE IN ACCORDANCE WITH SECTION 104.04 OF THE 1988 EDITION OF THE KENTUCKY DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.

NOTE: ALL STATIONS AND OFFSETS SHOWN FOR RIGHT-OF-WAY OR EASEMENTS ARE FROM THE RELOC. KY. 1326 OR KY. 461 C

DETOUR DESIGN SPEED = 35 MPH

DETOUR CURVE DATA

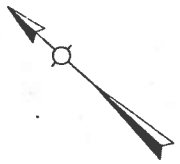
PI. STA. 195+73.75
 $\Delta = 35^{\circ}57'06''$ LT.
 C = $11^{\circ}00'00''$
 T = 169.00'
 L = 326.83'
 R = 520.87'
 E = 26.73'
 e = 0.06 %
 Runoff = 195+52 (Flat) - 196+62
 197+31.58 - 198+41.58
 Runout = 198+41.58 - 198+41.58
 P.C. STA. 194+04.75
 P.T. STA. 197+31.58

DETOUR CURVE DATA

PI. STA. 202+57.78
 $\Delta = 19^{\circ}00'36''$ LT.
 C = $10^{\circ}00'00''$
 T = 75.48'
 L = 150.30'
 R = 572.96'
 E = 4.95'
 e = 12.04 %
 Runoff = 200+82.30 - 201+82.30
 Match Exist.
 Runout = 200+30.22 - 200+82.30
 P.C. STA. 201+82.30
 P.T. STA. 203+32.40

DETOUR CURVE DATA

PI. STA. 208+62.87
 $\Delta = 9^{\circ}27'44''$ LT.
 C = $10^{\circ}00'00''$
 T = 47.42'
 L = 94.63'
 R = 572.96'
 E = 1.96'
 e = N.C.
 Runoff = N/A
 Runout = N/A
 P.C. STA. 208+15.25
 P.T. STA. 207+09.87



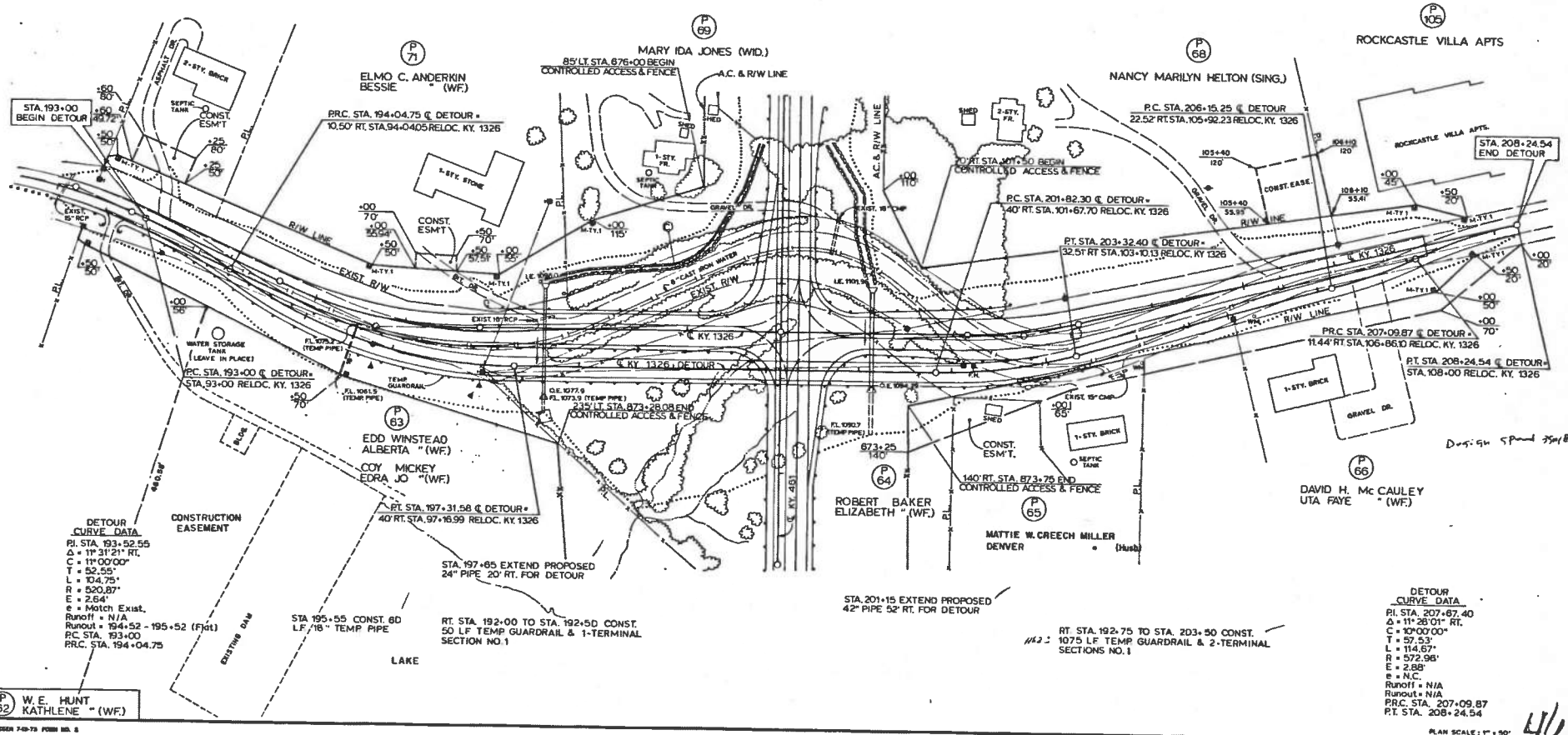
CHRISTINE GIRT HORACE (HUSB.)

KENNETH CORNELIOUS RUBY JEAN (WF)

95

100

105



DETOUR CURVE DATA

PI. STA. 193+52.55
 $\Delta = 11^{\circ}21'21''$ RT.
 C = $11^{\circ}00'00''$
 T = 52.55'
 L = 104.75'
 R = 520.87'
 E = 2.64'
 e = Match Exist.
 Runoff = N/A
 Runout = 194+52 - 195+52 (Flat)
 P.C. STA. 193+00
 P.T. STA. 194+04.75

DETOUR CURVE DATA

PI. STA. 207+67.40
 $\Delta = 11^{\circ}28'01''$ RT.
 C = $10^{\circ}00'00''$
 T = 57.53'
 L = 114.67'
 R = 572.96'
 E = 2.88'
 e = N.C.
 Runoff = N/A
 Runout = N/A
 P.C. STA. 207+09.87
 P.T. STA. 208+24.54

W.E. HUNT KATHLENE (WF)

DAVID H. McCAULEY UTA FAYE (WF)

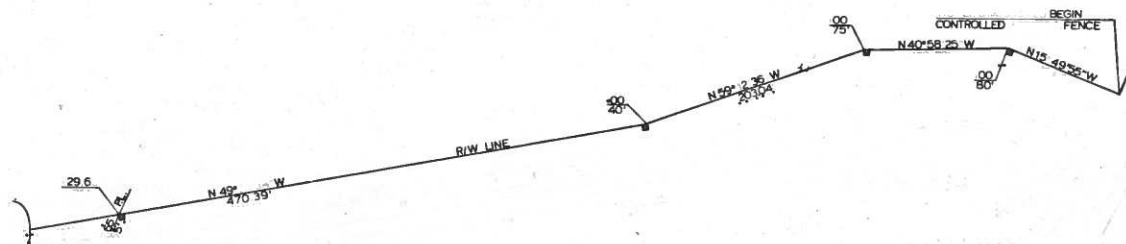
PLAN SCALE: 1" = 50'

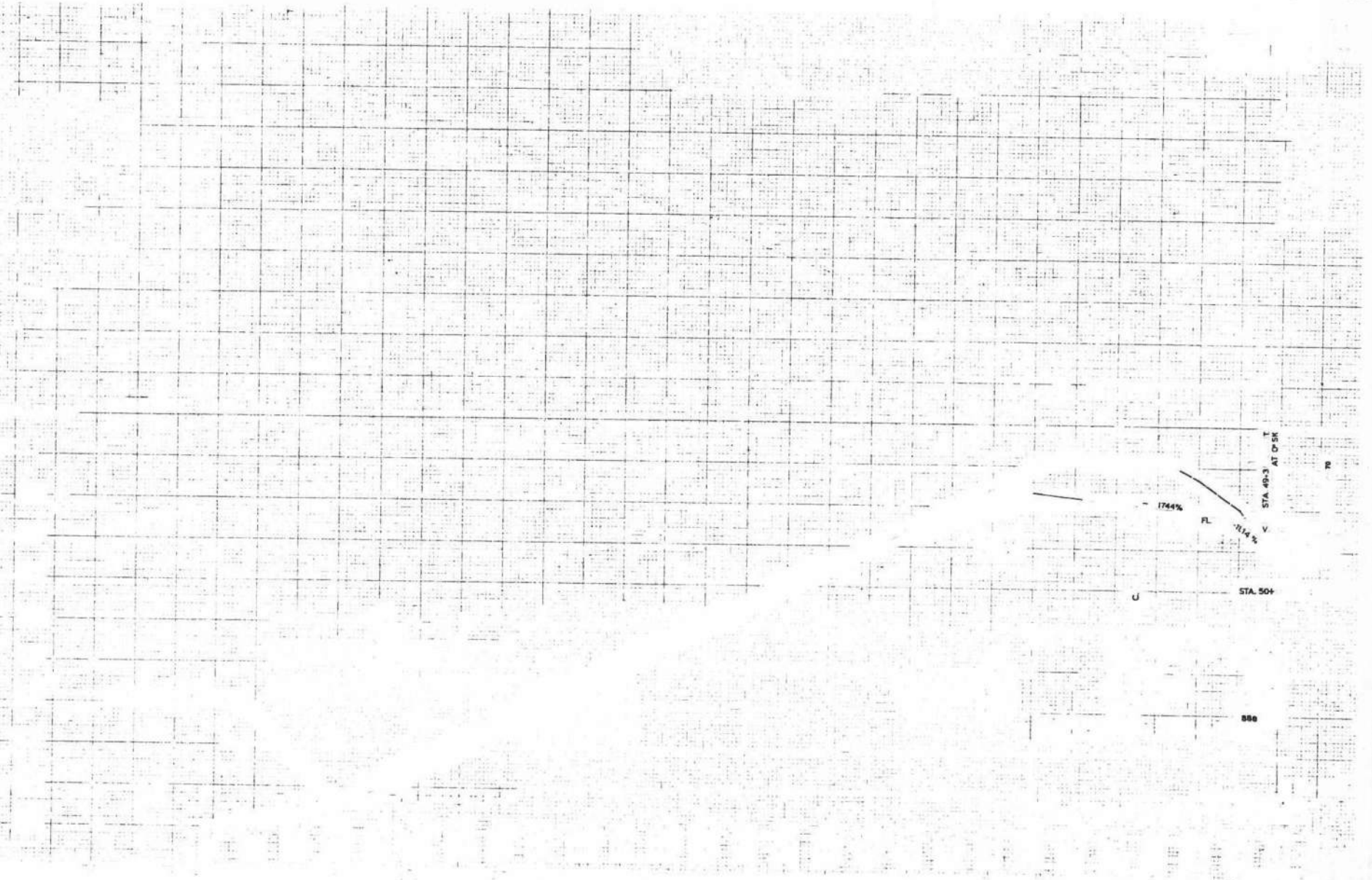
KY. 1326 DETOUR

46

REVISION

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1744%

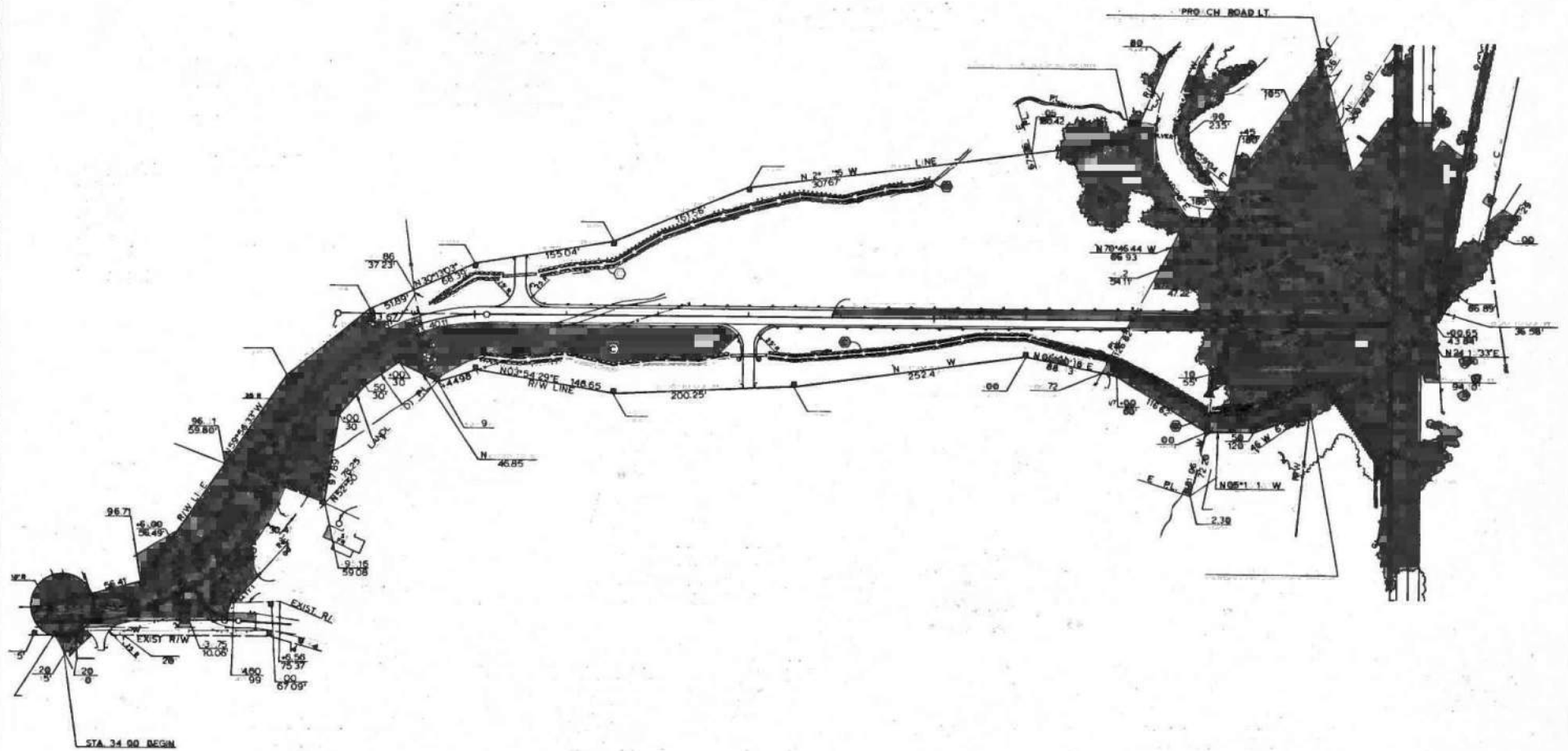
FL

1714 W

STA. 493 AT 0.5R

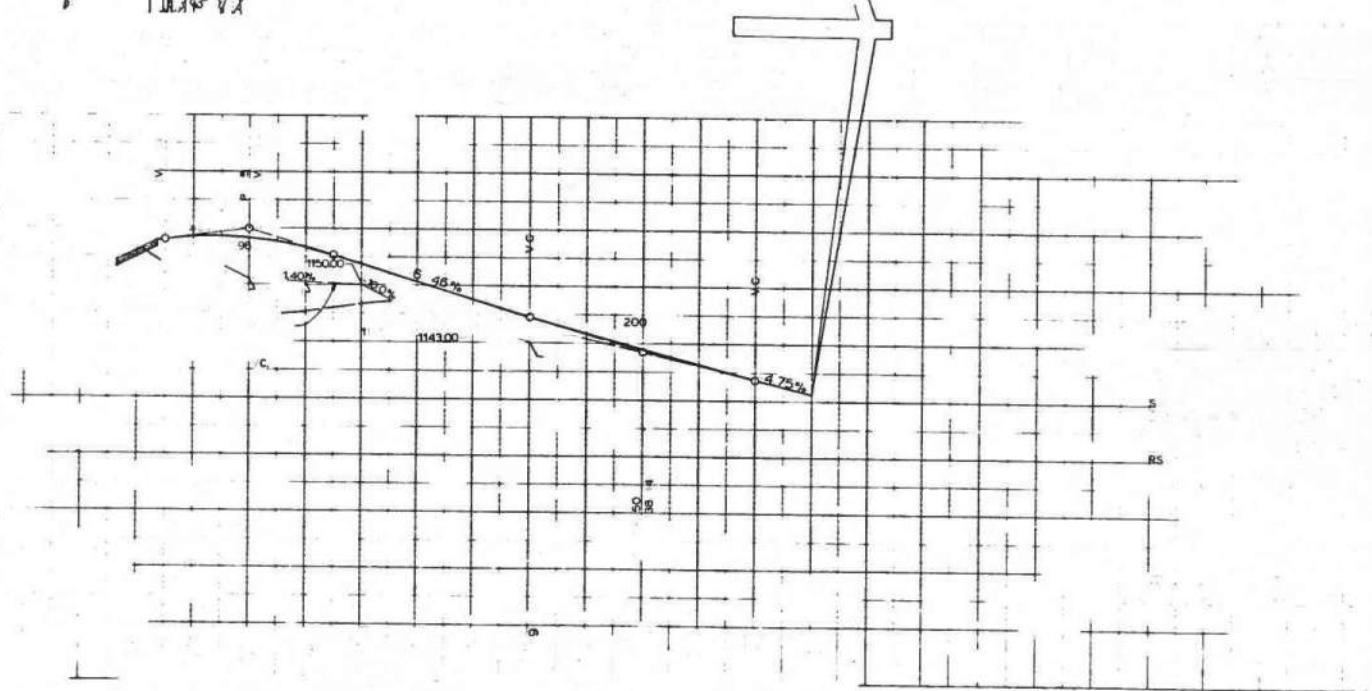
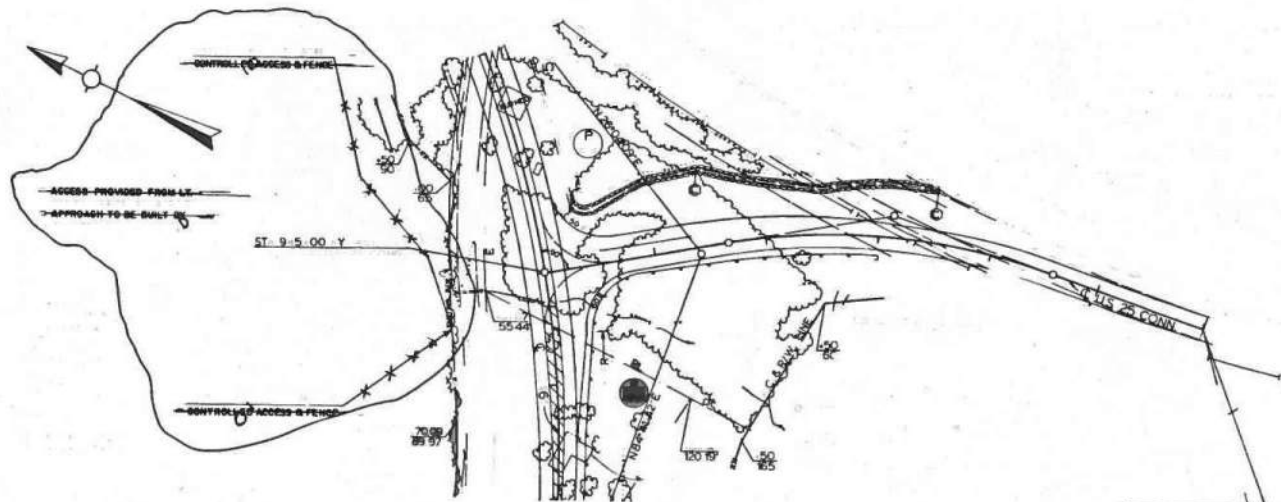
STA. 50+

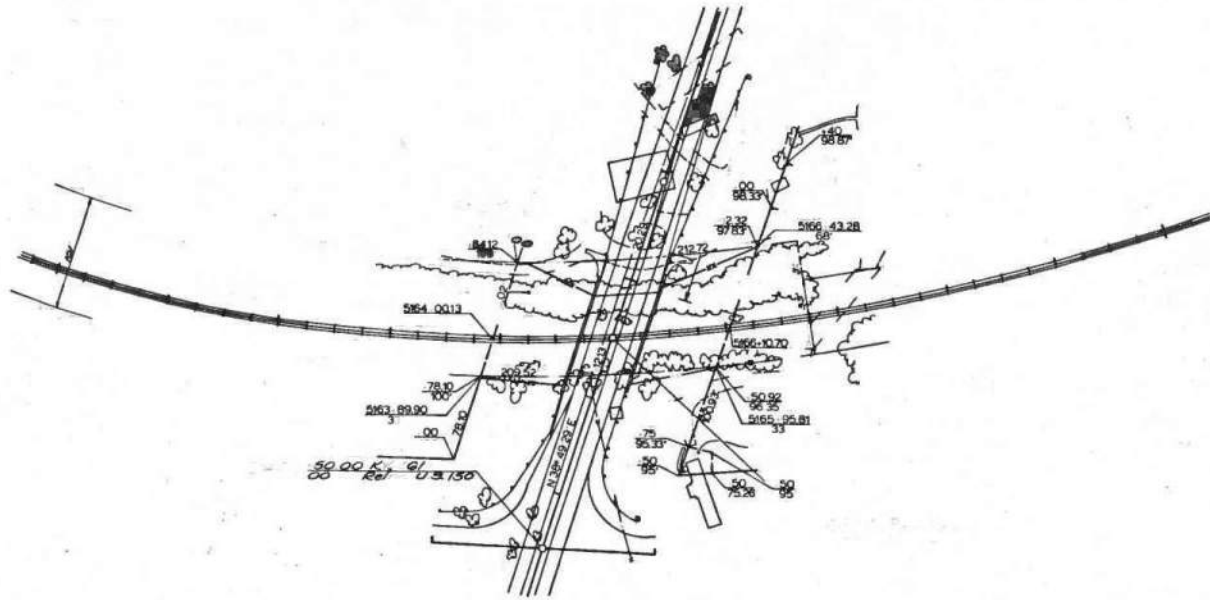
880



1

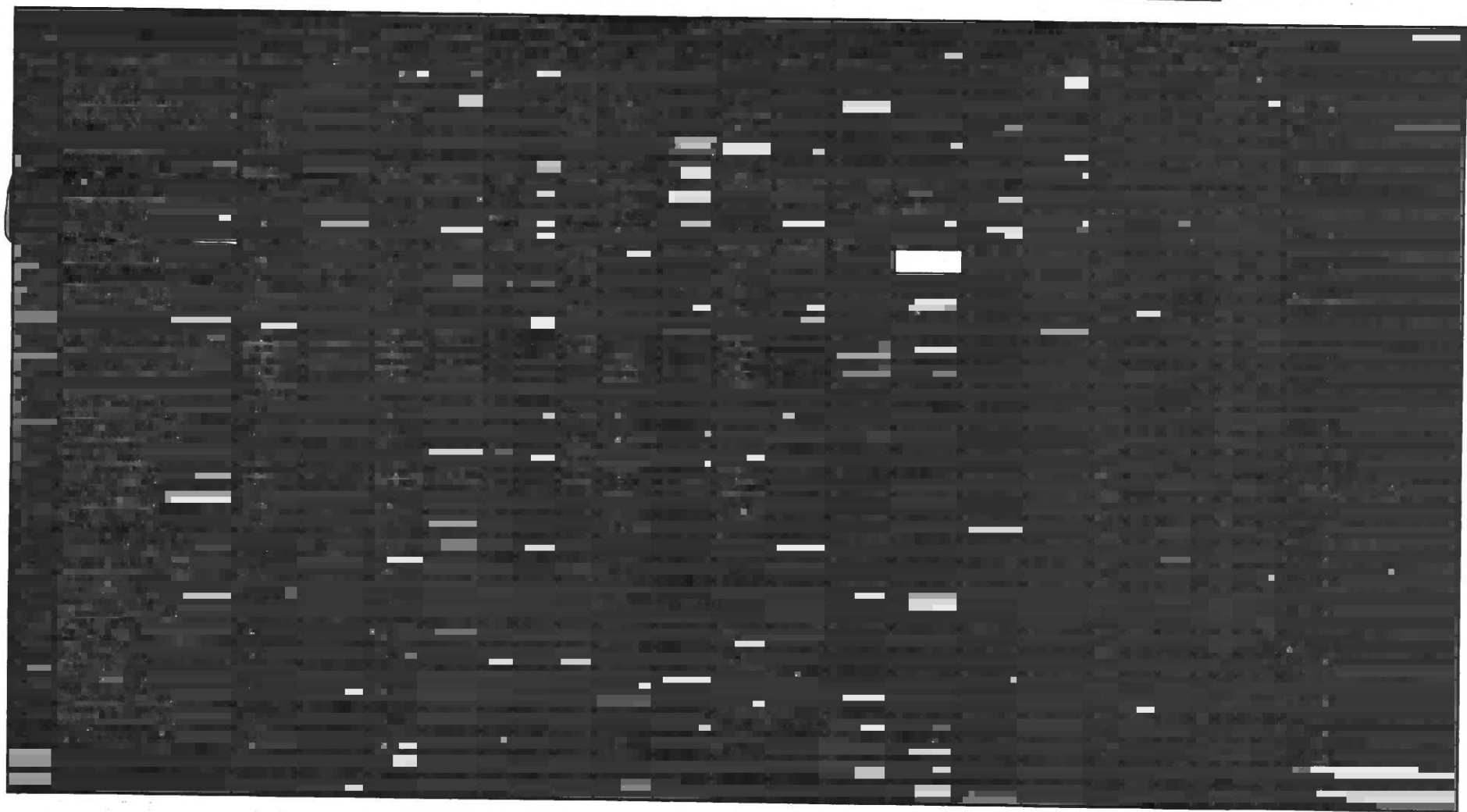
2





O.F.L. H RAIL







JEAN ALLEN (W/)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
ROCKCASTLE		58	209

55P-102-0481-000-008

RIGHT OF WAY SUMMARY SHEET

PARCEL NO.	NAME	TOTAL AREA OF TRACT		PERMANENT R/W ACQUIRED		EASEMENTS			AREA SEVERED				EXCESS PURCHASED		PORTION REMAINING		SEWER SYSTEM TYPE	SEWER SYSTEM AFFECTED BY PROJECT		BUILDINGS ACQUIRED (NUMBER)					REMARKS
		ACRES	SQ. FT.	ACRES	SQ. FT.	PERMANENT SQ. FT.	TEMPORARY SQ. FT.	CONTRACT TIME	LEFT		RIGHT		ACRES	SQ. FT.	ACRES	SQ. FT.		YES	NO	C	R	F	S		
									ACRES	SQ. FT.	ACRES	SQ. FT.													
85	CLARENCE CARTER LOUISE CARTER (W)	3.70		1.43					2.27								5							D.B. 86 PG. 438 86 438	
86	DAVID W. HENDERSON BETTY F. HENDERSON (W)	0.25		0.25													4							D.B. 93 PG. 635	
87	CLARENCE CARTER LOUISE CARTER (W)	0.44		0.44													4							D.B. 107 PG. 317	
88	DAVID W. HENDERSON BETTY F. HENDERSON (W)	0.56		0.56													4							D.B. 103 PG. 373	
89	R. PAUL McNEW MABLE REPPERT	1.14		1.14													5							D.B. 105 PG. 649	
90	JAMES W. WEAVER ANNA WEAVER (W)	0.80		0.39							0.41						4							D.B. 103 PG. 845	
91	HENRY B. MILLER JANICE J. MILLER (W)	4.00		0.44							3.56						5							UNRECORDED	
92		NOT NEEDED																							
93		NOT NEEDED																							
94		NOT NEEDED																							
95		NOT NEEDED																							
96		NOT NEEDED																							
97		NOT NEEDED																							
98	DOROTHY SANDLIN	0.29		0.29													1	✓						D.B. 120 Pg. 884	
99	WILLIAM BOSTIC RUBY BOSTIC (W)	0.87		0.13					0.74								5							D.B. 93 PG. 313, 310 D.B. 111 PG. 545	
100	ALBERT SWITZER POLLY SWITZER (W)	1.40		0.82			1,512				0.58						4							D.B. 84 PG. 536	
101	CLARENCE CARTER LOUISE CARTER (W)	24.00 23.68		0.32 0.165		5-1-27-84			23.68 23.515								5							D.B. 85 PG. 73 D.B. 93 PG. 154	
102	BUD JARBER (Heirs)	11.00		0.46					10.37		0.17						5							D.B. 103 PG. 639	
103	RONNIE D. ALCORN (Sing)	1.00					1,218										5							D.B. 101 PG. 187	
104		NOT NEEDED																							
104 L1		NOT NEEDED																							
105	ROCKCASTLE VILLA	14.00		0.07					13.93								3	✓						D.B. 93 PG. 177	
106	WILLIE TYLER ANNA (W)	2.00		0.004					1.99								5							D.B. 86 PG. 187	
107	DAVID GREGORY EVELYN (W)	10.00		0.250					9.75								4							D.B. 84 PG. 530	
56A	Henry Hillard Ella Hillard (W)	0.249		0.249	10,827				0		0													D.B. 104 PG. 47	
44A	T.C. Taylor	0.742		0.742	32,310				0		0													D.B. 93 PG. 168	

DISTRICT 13603
 DATE 3/79
 FORM NO. 7

PREPARED BY
 CHECKED BY
 APPROVED BY

Note: Permanent R/W acquired - permanent easement
 * area severed - Total area of tract.

⊕ CALCULATED

⊕ DATE RIGHT OF WAY AND EASEMENTS WAS ACQUIRED BY THE DEPARTMENT.

TYPE SEWER SYSTEM
 1 PRIVATE - INDIVIDUAL
 2 PRIVATE - MULTIPARTY
 3 PUBLIC
 4 NONE
 5 NOT APPLICABLE

BUILDINGS ACQ. CODE
 C-COMMERCIAL
 R-RESIDENTIAL
 F-FARM
 S-STORAGE

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
ROCKCASTLE	91	297	

SSP-102-0461-000-008

RIGHT OF WAY SUMMARY SHEET

PARCEL NO.	NAME	TOTAL AREA OF TRACT		PERMANENT ROW ACQUIRED		EASEMENTS			AREA SEVERED				EXCESS PURCHASED		PORTION REMAINING		SEWER SYSTEM TYPE	SEWER SYSTEM AFFECTED BY PROJECT		BUILDINGS AFFECTED (NUMBER)						REMARKS
		ACRES	SQ. FT.	ACRES	SQ. FT.	PERMANENT	TEMPORARY	CONSTRUC-TION	LEFT		RIGHT		ACRES	SQ. FT.	ACRES	SQ. FT.		YES	NO	C	R	F	S			
									ACRES	SQ. FT.	ACRES	SQ. FT.														
58	L & N RAILROAD							21326										4								
59	CLYDE PAYNE MYRTLE FAYE (Wf)	145.00		5.116				6380	1790	135.517			4.367					1	✓	1		1	4			D.B. 84 PG. 284 81 284
60	ROCKCASTLE COUNTY INDUST. DEVELOPMENT AUTHORITY	86.82		10.679					5250	8.223			67.718					3	✓							D.B. 104 PG. 200
80 L1		NOT NEEDED																								
61	BENTON BULLOCK TRESA (Wf)	108.84		6.245					20812	95.049			7.346					5								D.B. 119 PG. 295
63	EDD WINSTEA O ALBERTA (Wf) COY MICKY EDNA JO (Wf)	21.30		6.956					256844	7.699			6.645					5								D.B. 94 PG. 332
64	ROBERT BAKER ELIZABETH (Wf)	11.44		2.83					2139				8.81					5								D.B. 93 PG. 283 95 107
65	MATTIE W. CREECH MILLER DENVER (Husb.)	0.94	40,946	0.03					4,048				0.91					1	✓			1				O.B. 117 PG. 291
68	DAVID H McCAULEY UTA FAYE (Wf)	3.00		0.18					7,800				2.84					1	✓							D.B. 82 PG. 81
68	NANCY MARILYN HELTON (Sing)	21.80 18.75		2.05 0.108					4,432				19.75 19,942					5								D.B. 88 PG. 333
69	MARY IDA JONES (Wid.)	30.00 21.40		8.60 0.505						20.12 19.617			1.28 1.078					1	✓			1				D.B. 79 PG. 83
70		NOT NEEDED																								
71	ELMO C. ANDERKIN BESSIE (Wf)	3.00		0.29					582	2.71								1	✓							D.B. 84 PG. 360
72	KENNETH CORNELIOUS RUBY JEAN (Wf)	1.00		0.05					3,094	0.95								1	✓							D.B. 93 PG. 245
73	RAY HYSINGER HELEN (Wf)	40.00							19,999									5	✓							D.B. 102 PG. 488-489
74	VICTOR HYSINGER LUCILLE (Wf)	81.97 171.01		20.98 0.388					4,201	70.00 69.667			101.01 100.955					5								D.B. 80 PG. 344 80 345 82 101 85 148
75	WAYNE JASPER ROSA LEE (Wf)	22.00		5.60									18.40					5								D.B. 84 PG. 522
76	DEWEY ALCORN FRANCIS JEAN (Wf)	15.00		0.73						14.27								5								D.B. 85 PG. 595
77	CITY OF MT. VERNON KY		120	0.002														5								D.B. 86 PG. 330
78	MONROE GRIFFIN (Sing.)	11.50		2.79						2.00			6.71					5								D.B. 107 PG. 683
79	JERRY J. COX VICKI C. (Wf) HAROLO C. JONES CLARA MAE (Wf)	0.806		0.733						0.073			LANDLOCKED					4				1				D.B. 103 PG. 61
80	CLARENCE CARTER LOUISE (Wf)	1.41		1.20									0.21					4				1		5		D.B. 119 PG. 243
81	FLOYD MINK TONI MAE (Wf)	2.20		0.40									1.80					4				1		3		D.B. 81 PG. 354 87 345 80 332
82	JERRY J. COX VICKI C. (Wf) HAROLO C. JONES CLARA MAE (Wf)	1.44		1.44														4				1				D.B. 84 PG. 563
83	CLARENCE CARTER LOUISE (Wf)	0.727		0.446									0.281					4						1		D.B. 106 PG. 251
84	J.W. LOGSOON (Heirs)	5.00		2.12						0.118			2.782					5				1				D.B. 85 PG. 290

PREPARED BY _____
CHECKED BY _____
DATE 3/78
FORM NO. 7

* Permanent R/W acquired - permanent easement
* area reserved - Total area of tract

♦ CALCULATED

♦ DATE RIGHT OF WAY AND EASEMENTS
WAS ACQUIRED BY THE DEPARTMENT

TYPE SEWER SYSTEM
1. PRIVATE - INDIVIDUAL
2. PRIVATE - MULTIPARTY
3. PUBLIC
4. NONE
5. NOT APPLICABLE

BUILDINGS ACC. CODE
C - COMMERCIAL
R - RESIDENTIAL
F - FARM
S - STORAGE

59

RIGHT OF WAY SUMMARY SHEET

COUNTY OF ROCKCASTLE	FISCAL YEAR 82	SHEET NO. 257	TOTAL SHEETS 257
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SSP-102-0461-000-008

FARCEL NO.	NAME	TOTAL AREA OF TRACT		PERMANENT R/W ACQUIRED		EASEMENTS			AREA SEVERED				EXCISE PURCHASED		PORTION REMAINING		SEWER SYSTEM TYPE	SEWER SYSTEM AFFECTED BY PROJECT		BUILDINGS ACQUIRED (NUMBER)					REMARKS
		ACRES	SQ. FT.	ACRES	SQ. FT.	PERMANENT SQ. FT.	TEMPORARY SQ. FT.	ADJUTANT SQ. FT.	LEFT		RIGHT		ACRES	SQ. FT.	ACRES	SQ. FT.		YES	NO	C	R	F	S		
									ACRES	SQ. FT.	ACRES	SQ. FT.													
85	CLARENCE CARTER LOUISE CARTER (Wt) JOHN ALLEN (OCEASED) JEAN ALLEN (Wt)	* 3.70		1.43					2.27								5							D.B. 85 PG. 438 88 438	
86	DAVID W. HENDERSON BETTY F. HENDERSON (Wt.) WILLIAM O. GREGORY MARY T. GREGORY (Wt)	0.25		0.25													4							D.B. 86 PG. 635	
87	CLARENCE CARTER LOUISE CARTER (Wt)	* 0.44		0.44													4				2			D.B. 107 PG. 317	
88	DAVID W. HENDERSON BETTY F. HENDERSON (Wt.) WILLIAM O. GREGORY MARY T. GREGORY (Wt)	* 0.56		0.56													4							D.B. 103 PG. 373	
89	R. PAUL McNEW MABLE REPERT	* 1.14		1.14													5							D.B. 105 PG. 949	
90	JAMES W. WEAVER ANNA WEAVER (Wt)	0.80		0.39						0.41							4							D.B. 103 PG. 849	
91	HENRY B. MILLER JANICE J. MILLER (Wt)	4.00		0.44						3.58							5							UNRECORDED	
92				NOT NEEDED																					
93				NOT NEEDED																					
94				NOT NEEDED																					
95				NOT NEEDED																					
96				NOT NEEDED																					
97				NOT NEEDED																					
98	DOROTHY SANDLIN	0.29		0.29													1	✓			1			D.B. 120 PG. 894	
99	WILLIAM BOSTIC RUBY BOSTIC (Wt)	0.87		0.13					0.74								5							D.B. 83 PG. 323, 330 D.B. 111 PG. 945	
100	ALBERT SWITZER POLLY SWITZER (Wt)	1.40		0.82				1,512			0.58						4				1			D.B. 71 PG. 58	
101	CLARENCE CARTER LOUISE CARTER (Wt)	* 24.80 23.68		0.32 0.18		1-27-84			23.68 23.315								5							D.B. 83 PG. 73 D.B. 88 PG. 154	
102	BUD JARBER (Heirs)	11.00		0.46					10.37		* 0.17	* LANDLOCKED					5							D.B. 103 PG. 628	
103	RONNIE D. ALCORN (Sing)	1.00						1,218									5							D.B. 101 PG. 187	
104				NOT NEEDED																					
104 LI				NOT NEEDED																					
105	ROCKCASTLE VILLA	14.00		0.07					13.93								3		✓					D.B. 93 PG. 177	
106	WILLIE TYLER ANNA (Wt)	2.00		0.004					1.99								5							D.B. 88 PG. 187	
107	DAVID GREGORY EVELYN (Wt)	10.00		0.250					9.75								4							D.B. 84 PG. 920	

Note: Permanent R/W required + permanent easement
* area severed - Total area of tract.

* CALCULATED

* DATE RIGHT OF WAY AND EASEMENTS WAS ACQUIRED BY THE DEPARTMENT.

TYPE SEWER SYSTEM
1 - PRIVATE - INDIVIDUAL
2 - PRIVATE - MULTIPARTY
3 - PUBLIC
4 - NONE
5 - NOT APPLICABLE

BUILDINGS ACO CODE
C - COMMERCIAL
R - RESIDENTIAL
F - FARM
S - STORAGE

PREPARED BY
APPROVED BY
DESIGNER 10803
FORM NO. 7

6/21

RIGHT OF WAY AND ACCESS CONTROL STRIP MAP

SCALE 1" = 400'

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
ROCKCASTLE		33	33
PROJECT NO. SSP-102-0461-000-008			003
COMMIT. REVISION NO. 4			
SHEET 3 OF 3			

105	ROCKCASTLE VILLA	D-19 93
		Pg 177

	RAY HYSINGER	D-19 93
	HELEN (WIFE)	Pg 488-489

60	KENTUCKY HIGHLANDS	LEASE 8/24/19
	REAL ESTATE CORP.	Pg 452
104	ROCKCASTLE IMPROVEMENT	
	COUNCIL INC	
62	MOUNT VERNON PLASTIC INC.	(LESSEE)
63	EDD WINSTEAD	
	ALBERTA (WIFE)	L & S Pg 123
	CFY MICKY	
	EDRA JO (WIFE)	
64	ROBERT BAKER	D-8 27 Pg 11
	ELIZABETH (WIFE)	D-8 95 Pg 11
65	MATTIE W. CREECH MILLER	D-8 11 Pg 291
	DENVER (HUSBAND)	
66	DAVID H. MCGAULEY	D-8 11 Pg 11
	LITA FAIR (WIFE)	
70	MICHAEL JONES	D-8 11 Pg 11
	MARY JONES (WIFE)	
71	ELMO C. ANDERKIN	D-8 11 Pg 11
	BESSIE (WIFE)	
72	KENNETH CORNELIUS	D-8 11 Pg 11
	RUBY JEAN (WIFE)	

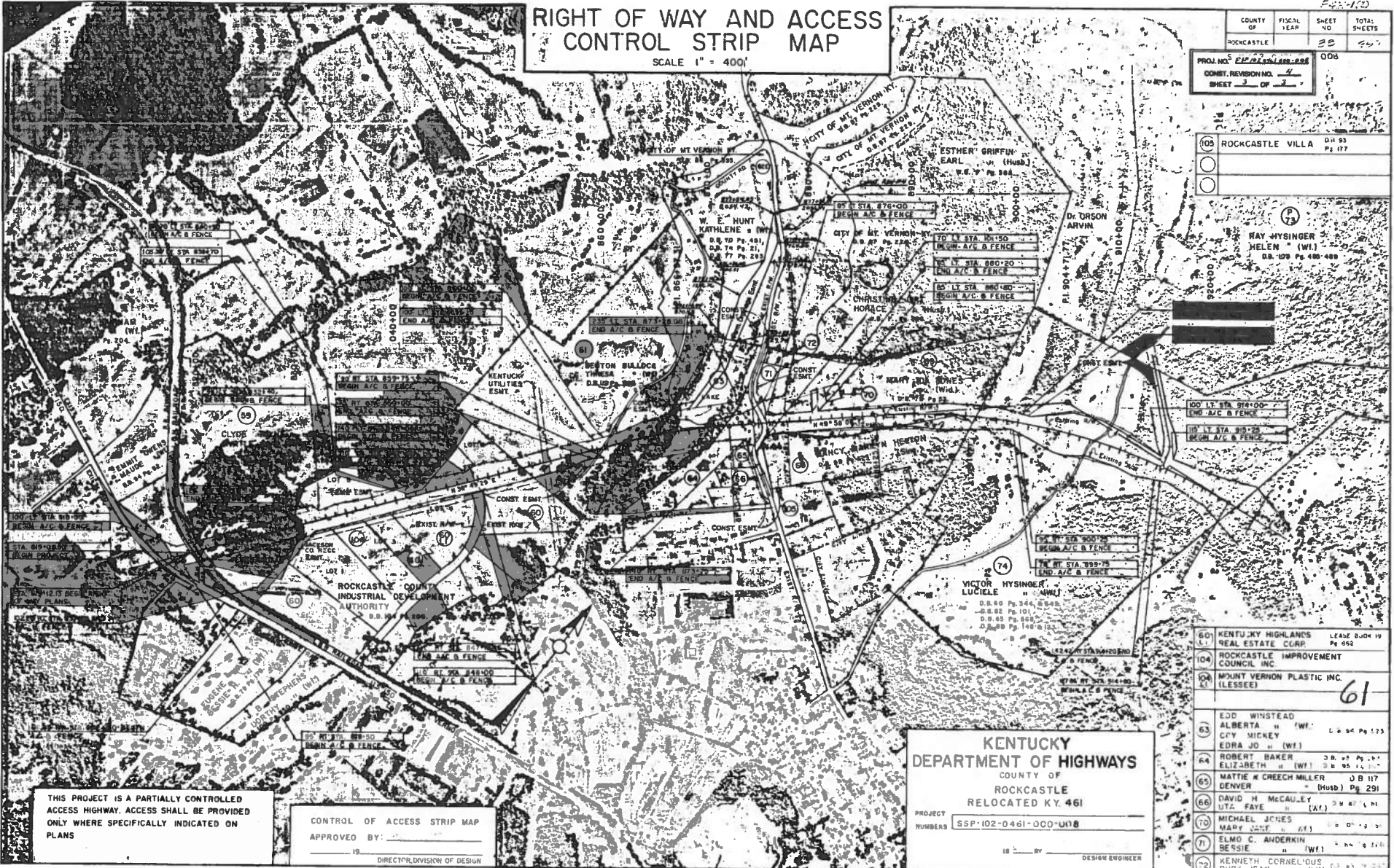
KENTUCKY DEPARTMENT OF HIGHWAYS
 COUNTY OF ROCKCASTLE
RELOCATED KY. 461

PROJECT NUMBER: **SSP-102-0461-000-008**

DESIGNED BY: _____
 CHECKED BY: _____
 IN CHARGE BY: _____
 DESIGN ENGINEER

THIS PROJECT IS A PARTIALLY CONTROLLED ACCESS HIGHWAY. ACCESS SHALL BE PROVIDED ONLY WHERE SPECIFICALLY INDICATED ON PLANS

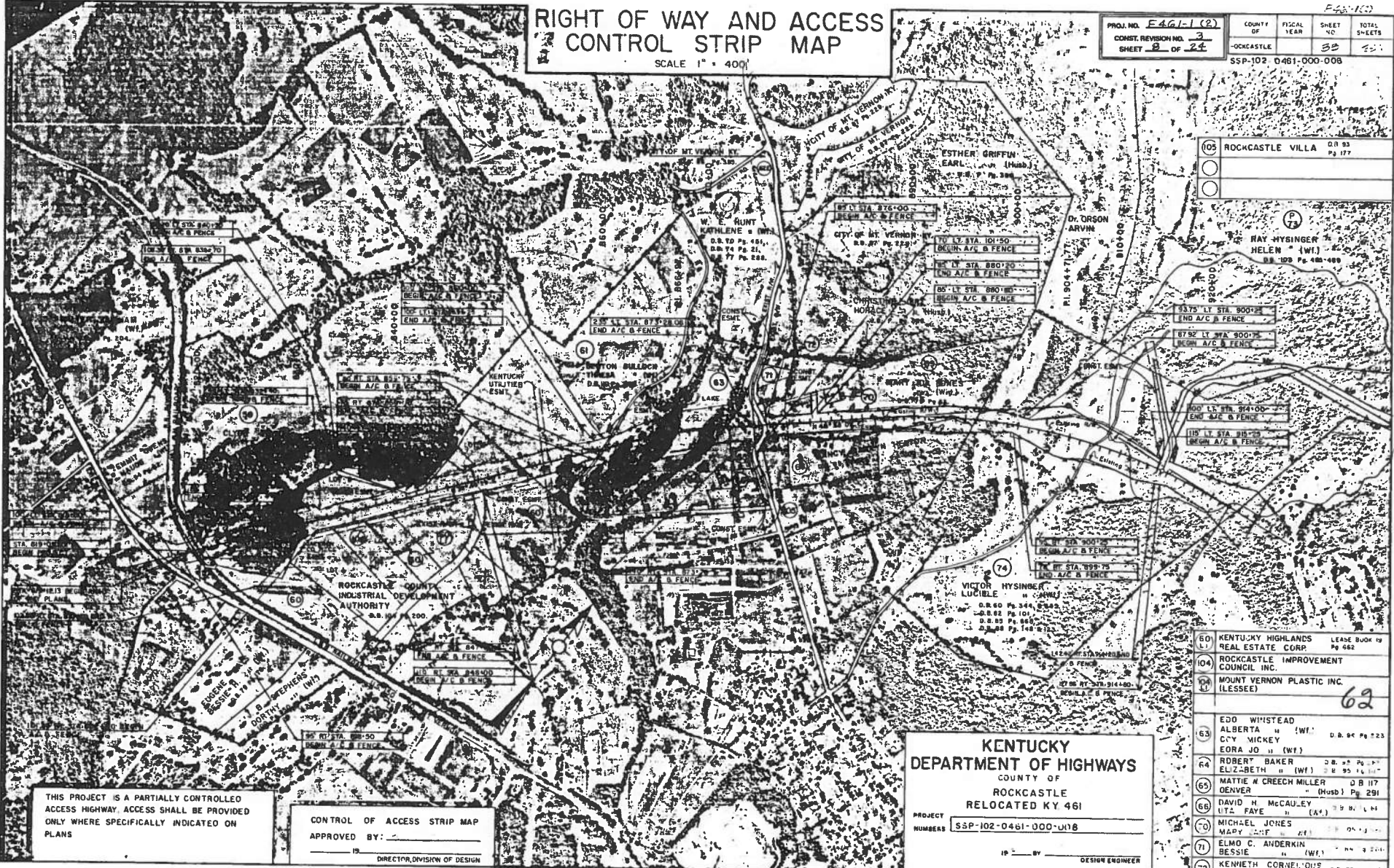
CONTROL OF ACCESS STRIP MAP
 APPROVED BY: _____
 DIRECTOR, DIVISION OF DESIGN



RIGHT OF WAY AND ACCESS CONTROL STRIP MAP

SCALE 1" = 400'

PROJ. NO. E461-1 (2) COUNTY OF ROCKCASTLE FISCAL YEAR 1962 SHEET NO. 24 TOTAL SHEETS 24
 CONST. REVISION NO. 3 SHEET NO. 24 TOTAL SHEETS 24
 SHEET B OF 24
 SSP-102 0461-000-008



605 ROCKCASTLE VILLA D.R. 95 Pg. 177

RAY HYSINGER HELEN (Wife) D.R. 100 Pg. 481-489

73.75 LY STA. 9007+00 END A/C & FENCE
 67.82 LY STA. 9007+00 BEGIN A/C & FENCE

100 LY STA. 94+00 END A/C & FENCE
 110 LY STA. 94+00 BEGIN A/C & FENCE

100 LY STA. 94+00 END A/C & FENCE
 110 LY STA. 94+00 BEGIN A/C & FENCE

100 LY STA. 94+00 END A/C & FENCE
 110 LY STA. 94+00 BEGIN A/C & FENCE

100 LY STA. 94+00 END A/C & FENCE
 110 LY STA. 94+00 BEGIN A/C & FENCE

60 KENTUCKY HIGHLANDS REAL ESTATE CORP LEASE BOOK 19 Pg. 662
 104 ROCKCASTLE IMPROVEMENT COUNCIL INC
 69 MOUNT VERNON PLASTIC INC. (LESSEE)

63 EDD WHISTEAD ALBERTA (Wife) D.R. 84 Pg. 223
 EDDA MICKY (Wife)

64 ROBERT BAKER ELIZABETH (Wife) D.R. 94 Pg. 101
 65 MATTIE W CREECH MILLER DENVER (Wife) D.R. 117 Pg. 291

68 DAVID H MCCAULEY LITA FAYE (Wife) D.R. 94 Pg. 144
 70 MICHAEL JONES MILDRED (Wife) D.R. 94 Pg. 144
 71 ELMO C. ANDERKIN BESSIE (Wife) D.R. 94 Pg. 144
 72 KENNETH CORNELIUS RUBY JEAN (Wife) D.R. 83 Pg. 202

KENTUCKY DEPARTMENT OF HIGHWAYS
 COUNTY OF ROCKCASTLE
 RELOCATED KY 461
 PROJECT NUMBER SSP-102-0461-000-008

DESIGNED BY _____
 DESIGN ENGINEER

THIS PROJECT IS A PARTIALLY CONTROLLED ACCESS HIGHWAY. ACCESS SHALL BE PROVIDED ONLY WHERE SPECIFICALLY INDICATED ON PLANS.

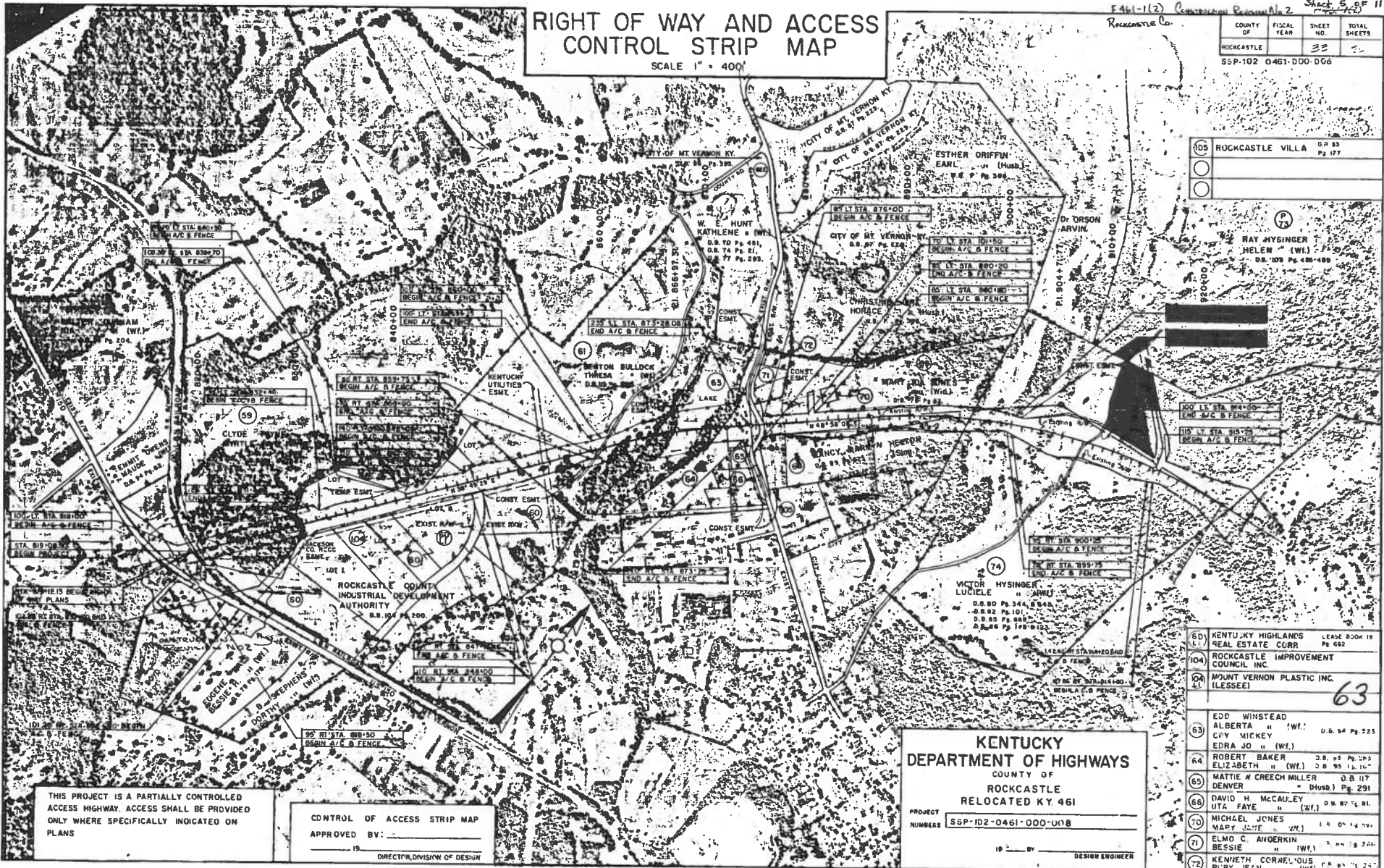
CONTROL OF ACCESS STRIP MAP
 APPROVED BY: _____
 DIRECTOR, DIVISION OF DESIGN

RIGHT OF WAY AND ACCESS CONTROL STRIP MAP

SCALE 1" = 400'

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
ROCKCASTLE		33	35

SSP-102 0461-000-006



105	ROCKCASTLE VILLA	D.B. 83 Pg. 177
-----	------------------	-----------------

75	HAY HYSINGER HELEN (Wf.)	D.B. 106 Pg. 480-489
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100	LT. STA. 84+00	BEGIN A/C & FENCE
101	LT. STA. 85+00	BEGIN A/C & FENCE

60	KENTUCKY HIGHLANDS REAL ESTATE CORP.	LEASE BOOK 19 Pg. 662
104	ROCKCASTLE IMPROVEMENT COUNCIL INC.	
61	MOUNT VERNON PLASTIC INC. (LESSEE)	

63	EDD WINSTEAD ALBERTA C/FY MICKY EDRA JO (Wf.)	D.B. 64 Pg. 223
64	ROBERT BAKER ELIZABETH (Wf.)	D.B. 95 Pg. 167
65	MATTIE CREECH MILLER DENVER	D.B. 117 Pg. 291
66	DAVID H. McCAULEY UTA FAYE (Wf.)	D.B. 87 Pg. 81
70	MICHAEL JONES MARY JANE (Wf.)	D.B. 87 Pg. 291
71	ELMO C. ANGERKIN BESSIE (Wf.)	D.B. 87 Pg. 291
72	KENNETH CORNFELDS RUBY JEAN (Wf.)	D.B. 87 Pg. 291

THIS PROJECT IS A PARTIALLY CONTROLLED ACCESS HIGHWAY. ACCESS SHALL BE PROVIDED ONLY WHERE SPECIFICALLY INDICATED ON PLANS

CONTROL OF ACCESS STRIP MAP
 APPROVED BY: _____
 DIRECTOR, DIVISION OF DESIGN

KENTUCKY DEPARTMENT OF HIGHWAYS
 COUNTY OF ROCKCASTLE
 RELOCATED KY. 461
 PROJECT NUMBER: SSP-102-0461-000-018
 19 BY _____ DESIGN ENGINEER

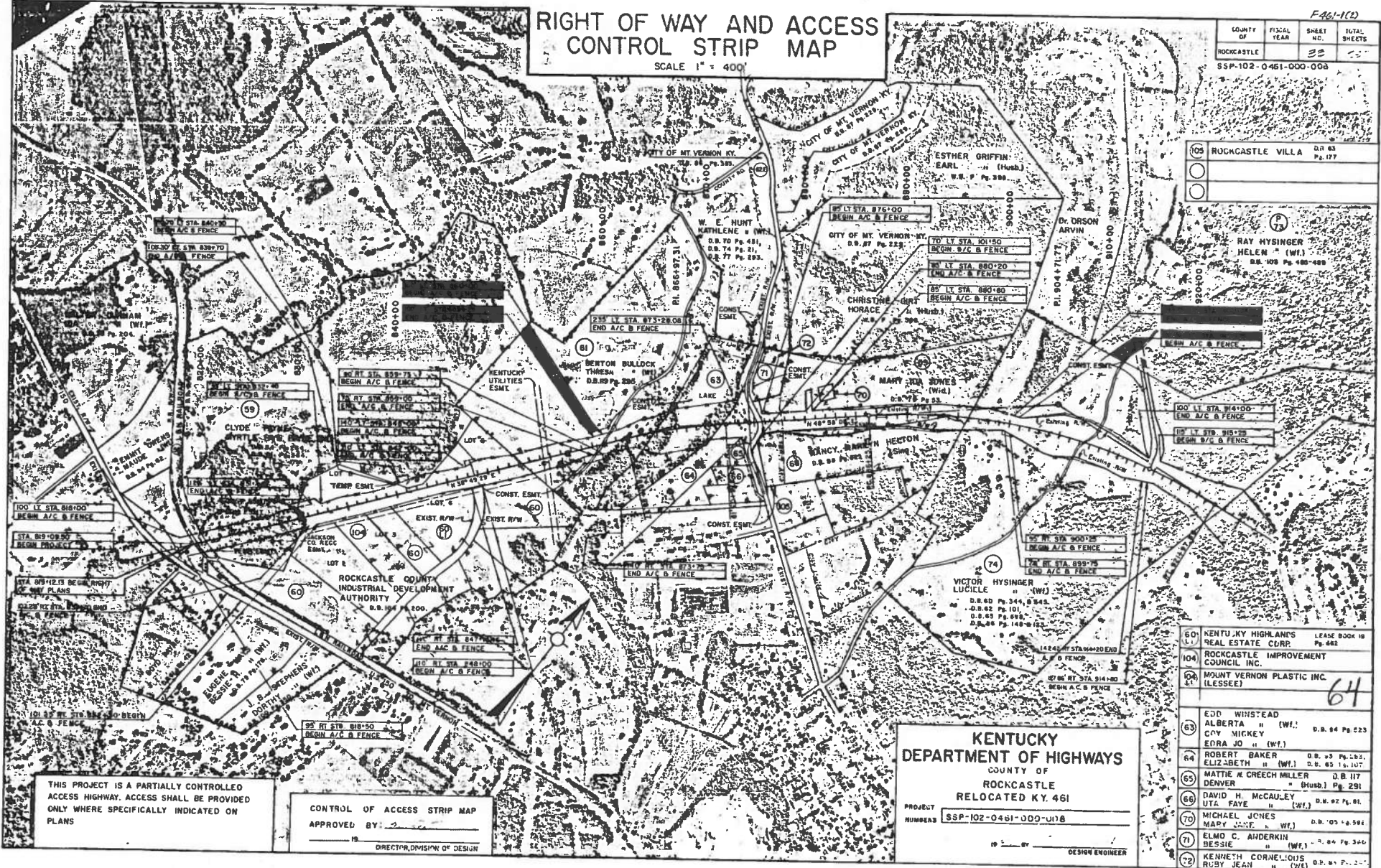
63

RIGHT OF WAY AND ACCESS CONTROL STRIP MAP

SCALE 1" = 400'

F-461-102

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
ROCKCASTLE		33	55
SSP-102-0461-000-000			



105	ROCKCASTLE VILLA	D.R. 83	Pa. 177
-----	------------------	---------	---------

70	RAY HYSINGER	HELEN (Wf.)	D.R. 108 Pa. 180-189
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60	KENTU KY HIGHLANDS REAL ESTATE CURP	LEASE BOOK 18	Pa. 442
104	ROCKCASTLE IMPROVEMENT COUNCIL INC.		
64	MOUNT VERNON PLASTIC INC. (LESSEE)		
63	EDD WINSTEAD	ALBERTA (Wf.)	D.R. 84 Pa. 225
64	ROBERT BAKER	EDRA JO (Wf.)	D.R. 83 Pa. 183
65	ELIZABETH (Wf.)	D.R. 85 Pa. 187	
65	MATTHE W CREECH MILLER	D.R. 117	
66	DENVER (Husb.)	Pa. 291	
66	DAVID H McCAULEY	UTA FAYE (Wf.)	D.R. 92 Pa. 81
70	MICHAEL JONES	MARY JANE (Wf.)	D.R. 05 Pa. 502
71	ELMO C. ANDERKIN	BESSIE (Wf.)	D.R. 84 Pa. 340
72	KENNETH CORNELIUS	RUSTY JEAN (Wf.)	D.R. 84 Pa. 340

THIS PROJECT IS A PARTIALLY CONTROLLED ACCESS HIGHWAY. ACCESS SHALL BE PROVIDED ONLY WHERE SPECIFICALLY INDICATED ON PLANS

CONTROL OF ACCESS STRIP MAP
APPROVED BY: _____
IS _____ DIRECTOR, DIVISION OF DESIGN

KENTUCKY DEPARTMENT OF HIGHWAYS
COUNTY OF
ROCKCASTLE
RELOCATED KY. 461
PROJECT NUMBER: SSP-102-0461-000-0178
DESIGNED BY: _____ DESIGN ENGINEER

RIGHT OF WAY AND ACCESS CONTROL STRIP MAP

SCALE 1" = 200'

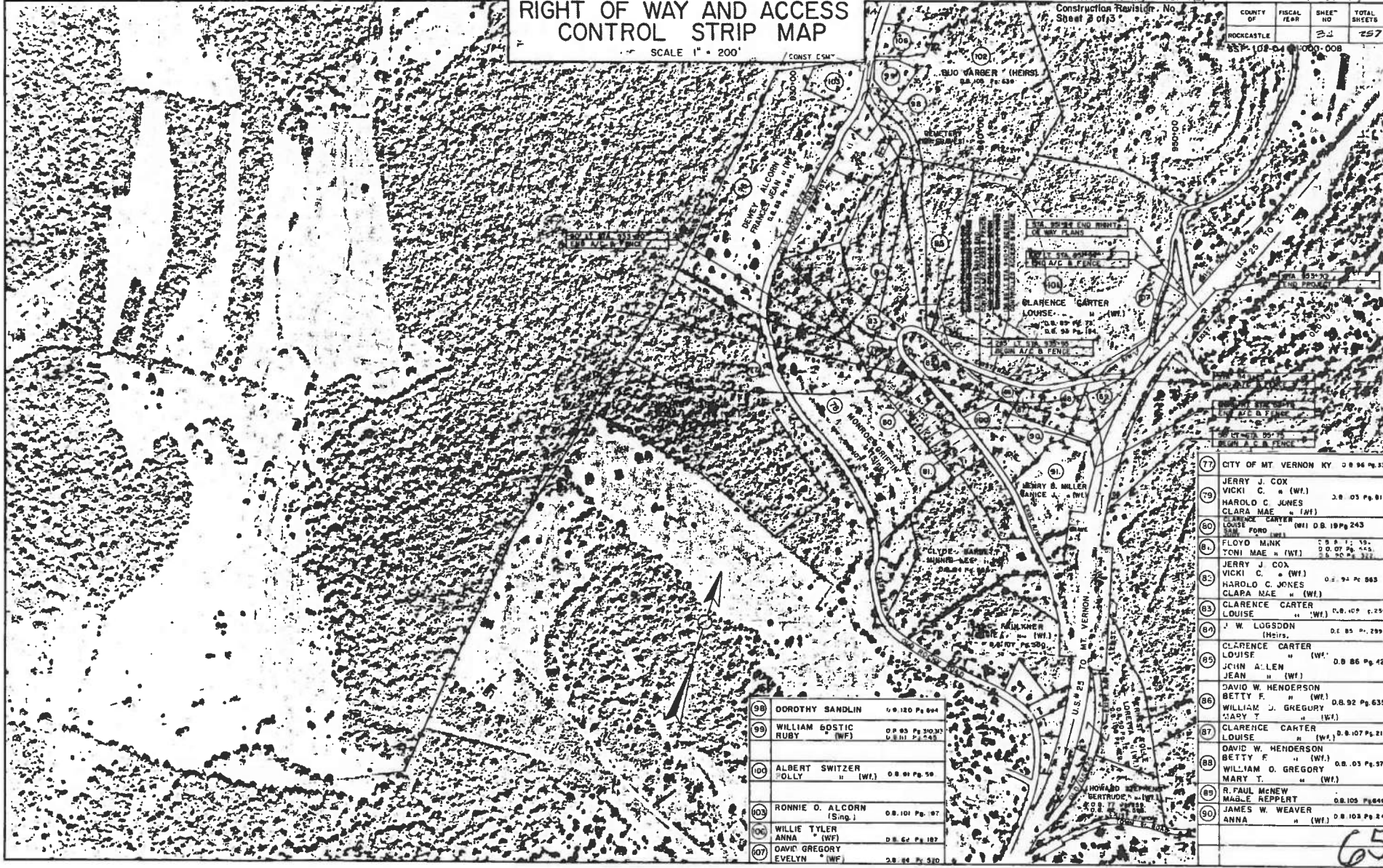
Rockcastle County F461-1(2)

Construction Revision No. 2
Sheet 2 of 3

F461-1(2)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
ROCKCASTLE	2024	257	257

55-108-04-1000-008



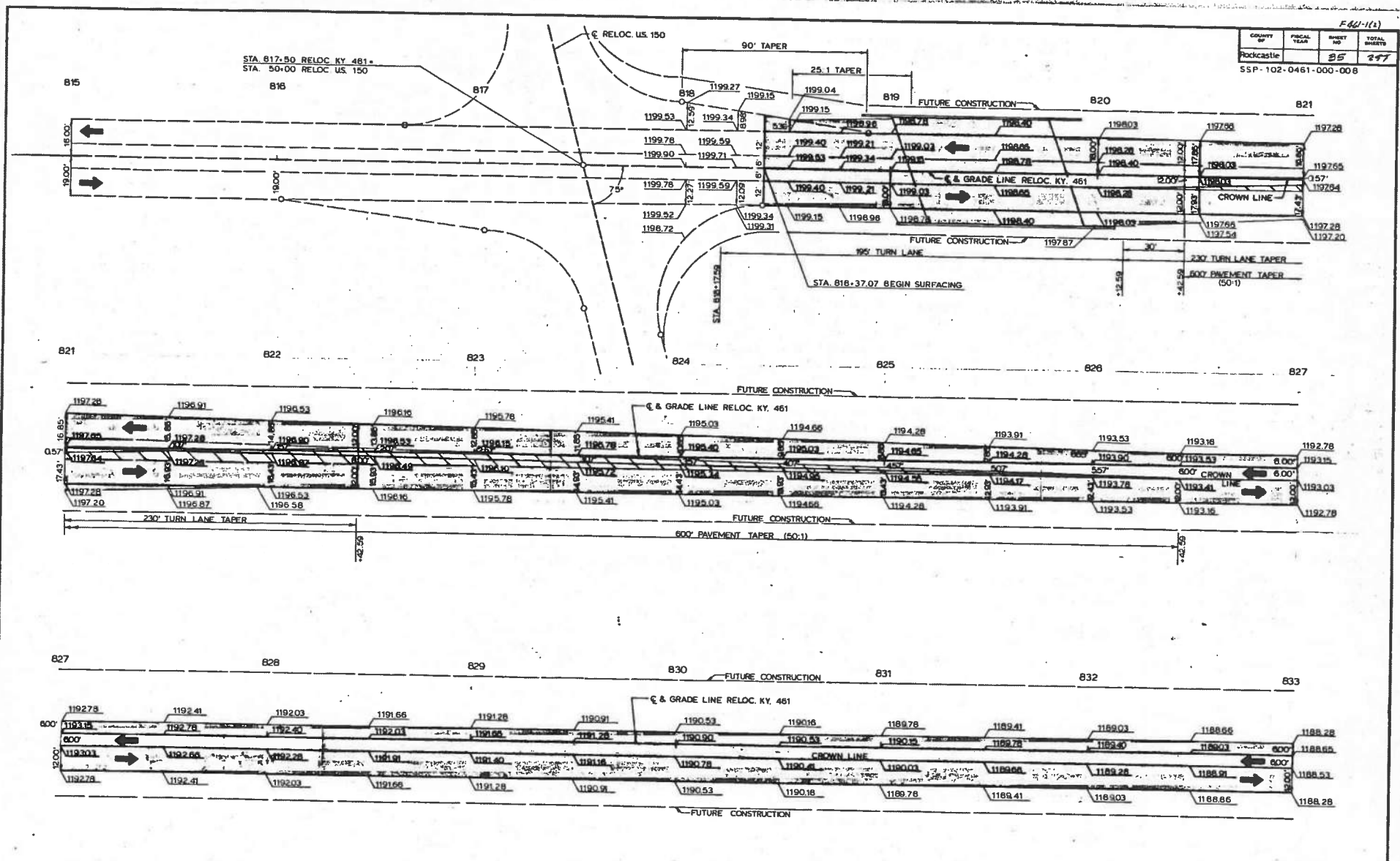
98	DOROTHY SANDLIN	0.9.120 Pg. 694
99	WILLIAM BOSTIC RUBY (WF)	0.8.83 Pg. 310-317 0.8.81 Pg. 425
100	ALBERT SWITZER "OLLY" (WF)	0.8.91 Pg. 59
103	RONNIE O. ALCORN (Sing.)	0.8.101 Pg. 97
106	WILLIE TYLER ANNA (WF)	0.8.62 Pg. 182
107	DAVID GREGORY EVELYN (WF)	2.8.84 Pg. 310

77	CITY OF MT VERNON KY	0.8.96 Pg. 314
78	JERRY J. COX VICKI C. (WF)	3.8.03 Pg. 81
	HAROLD C. JONES CLARA MAE (WF)	
80	CLARENCE CARTER LOUISE FORD (WF)	0.8.19 Pg. 243
81	FLOYD MINK (WF)	0.8.11 Pg. 33
	TONI MAE (WF)	0.8.20 Pg. 312
82	JERRY J. COX VICKI C. (WF)	0.2.94 Pg. 863
	HAROLD C. JONES CLARA MAE (WF)	
83	CLARENCE CARTER LOUISE (WF)	0.8.107 Pg. 257
84	J. W. LOGSDON (Heirs)	0.8.85 Pg. 289
	CLARENCE CARTER LOUISE (WF)	
85	JOHN A. LLEN JEAN (WF)	0.8.86 Pg. 428
86	DAVID W. HENDERSON BETTY F. (WF)	0.8.92 Pg. 635
	WILLIAM J. GREGORY MARY T. (WF)	
87	CLARENCE CARTER LOUISE (WF)	0.8.107 Pg. 217
88	DAVID W. HENDERSON BETTY F. (WF)	0.8.03 Pg. 373
	WILLIAM O. GREGORY MARY T. (WF)	
89	R. PAUL MCNEW MAGLE REPERT	0.8.105 Pg. 649
90	JAMES W. WEAVER ANNA (WF)	0.8.103 Pg. 249

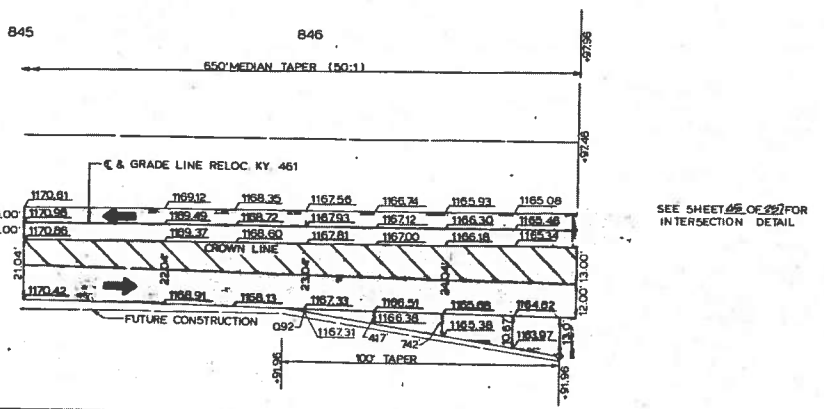
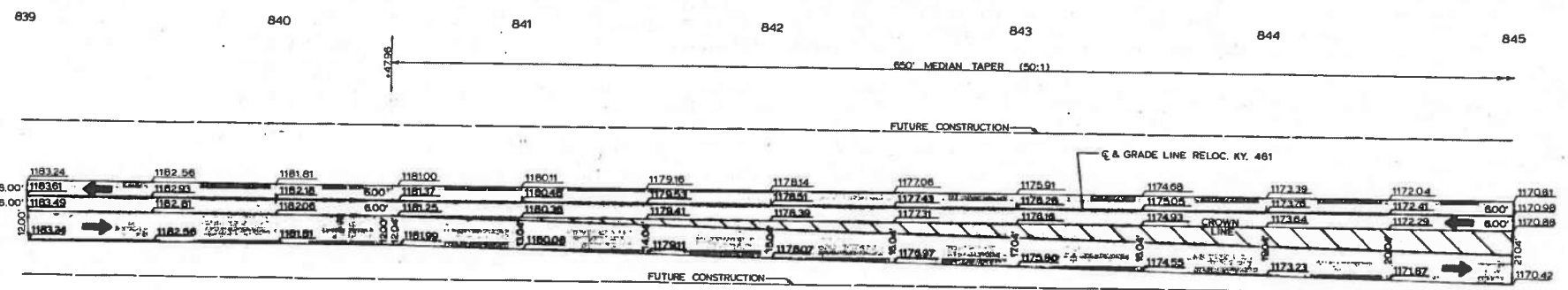
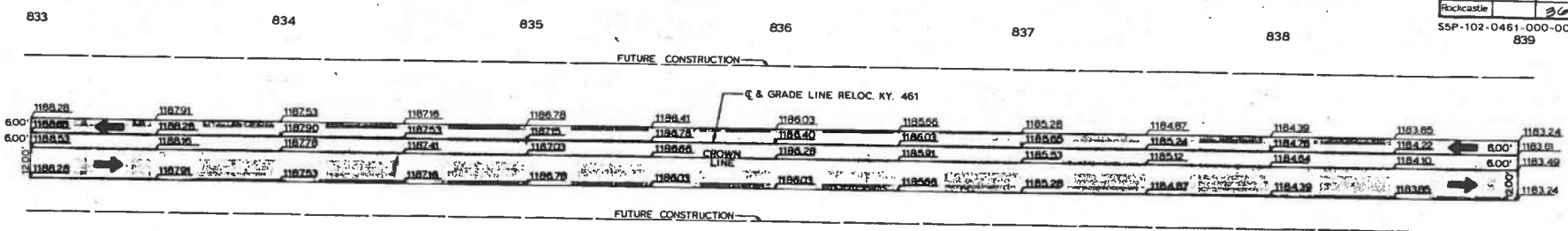
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COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle		95	297

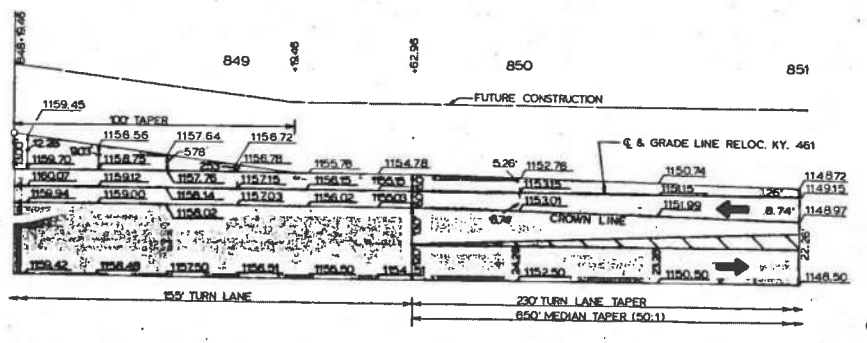
SSP-102-0461-000-008



F 461-1(3)		
COUNTY OF	FISCAL YEAR	TOTAL SHEETS
Rockcastle	20	257
S5P-102-0461-000-008		
839		



SEE SHEET 26 OF 257 FOR INTERSECTION DETAIL



PAVEMENT TRANSITION DETAILS
SCALE 1" = 20'

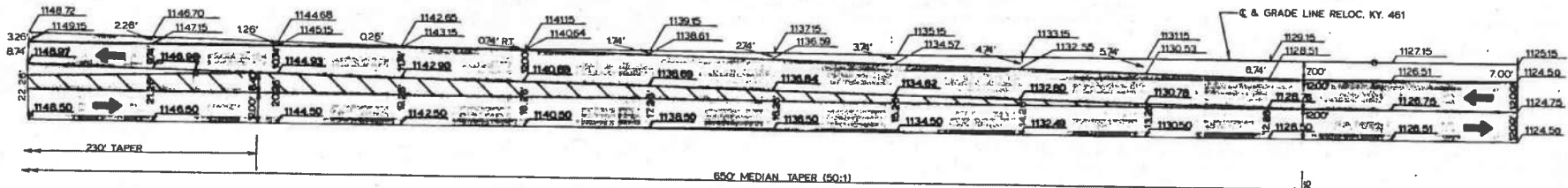
67

COUNTY	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle	07	257	257

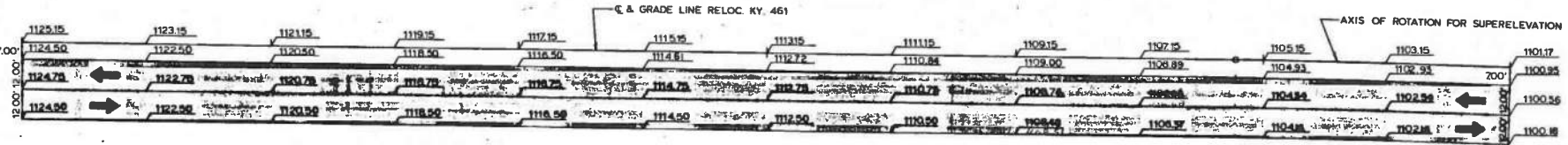
SSP-102-0461-000-0C8

+42.88

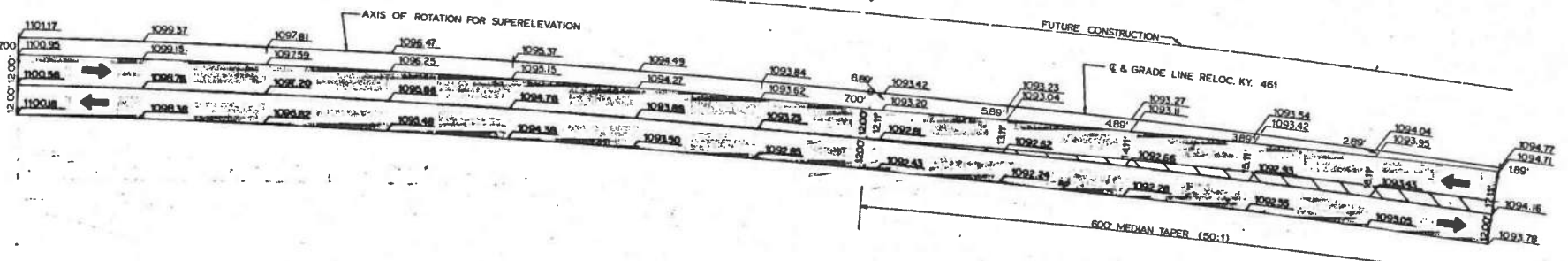
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857 858 859 860 861 862 863



863 864 865 866 867 868 869

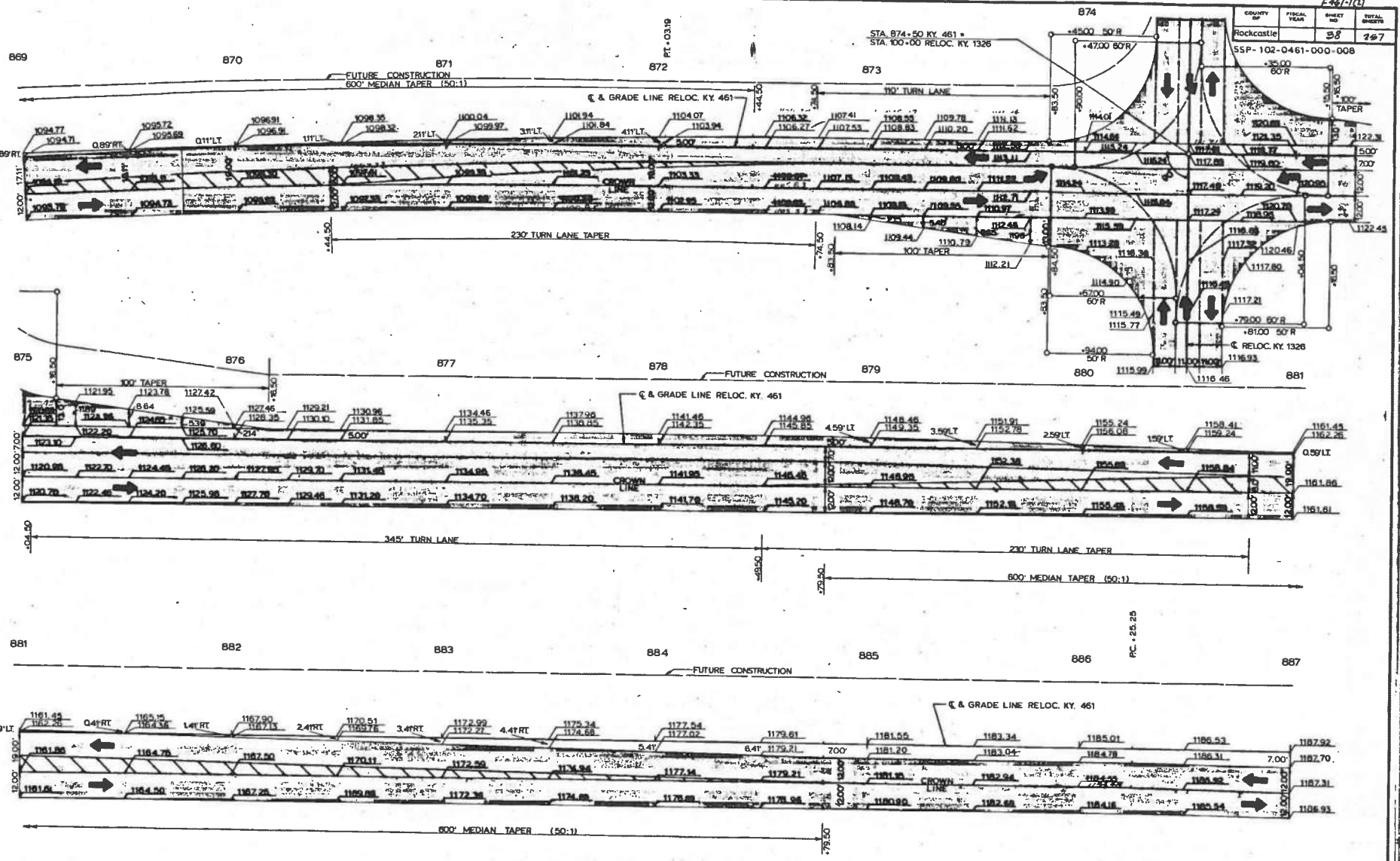


PAVEMENT TRANSITION DETAILS
SCALE 1" = 20'

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle	88	197	

SSP-102-0461-000-008

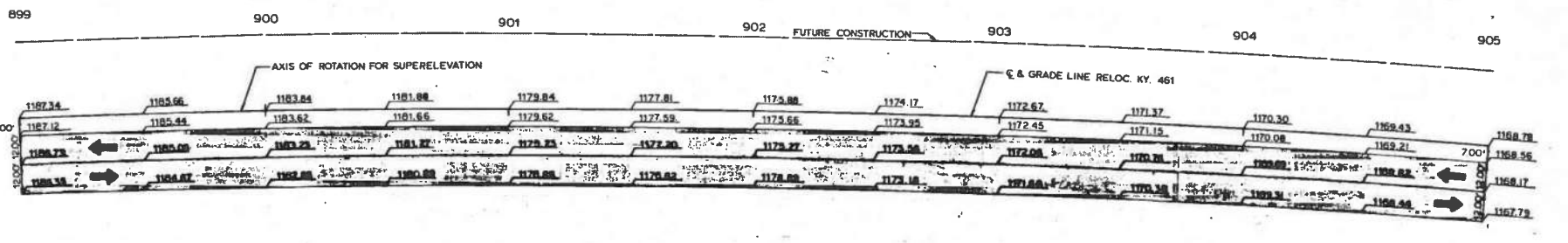
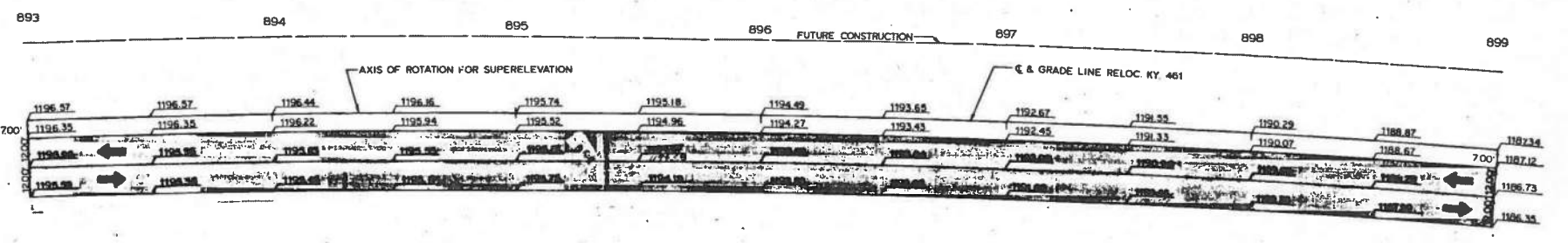
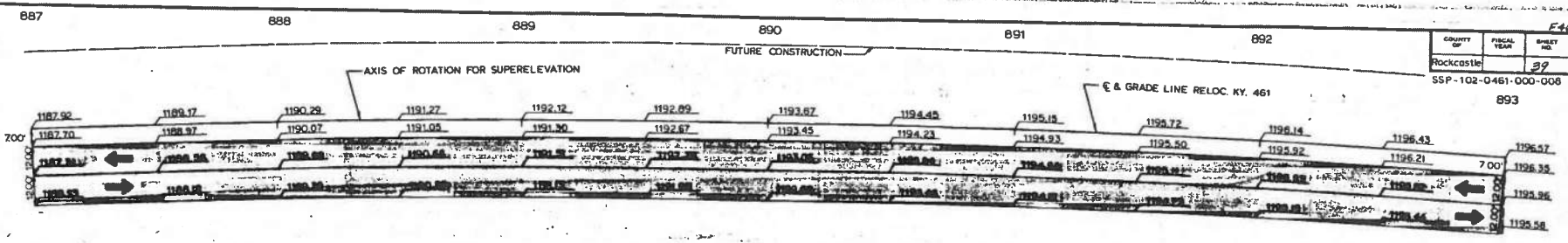
STA. 874+50 KY. 461
STA. 100+00 RELOC. KY. 1326



PAVEMENT TRANSITION DETAIL
SCALE 1" = 20'

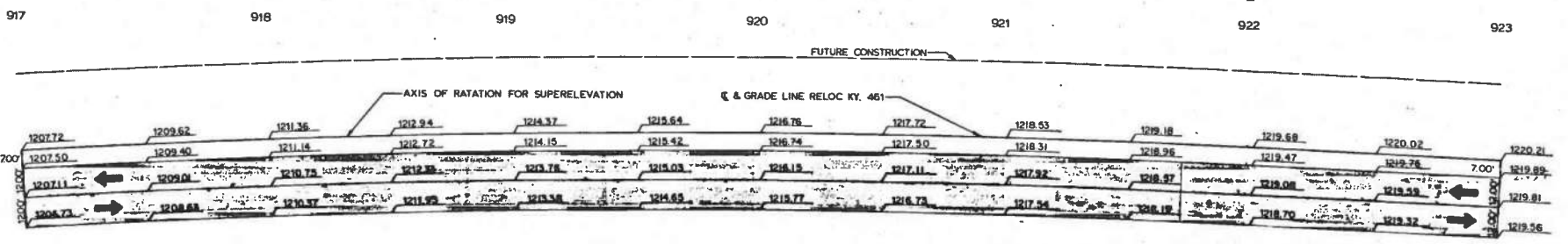
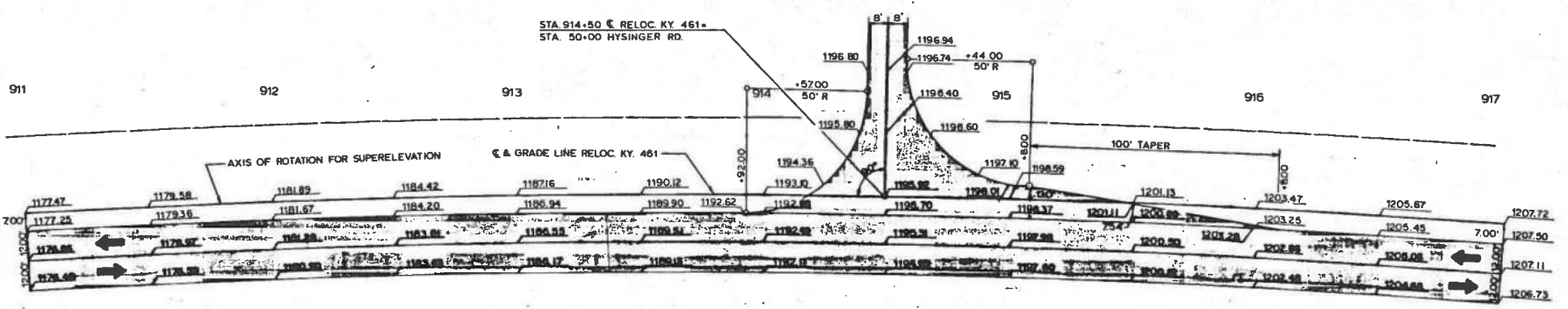
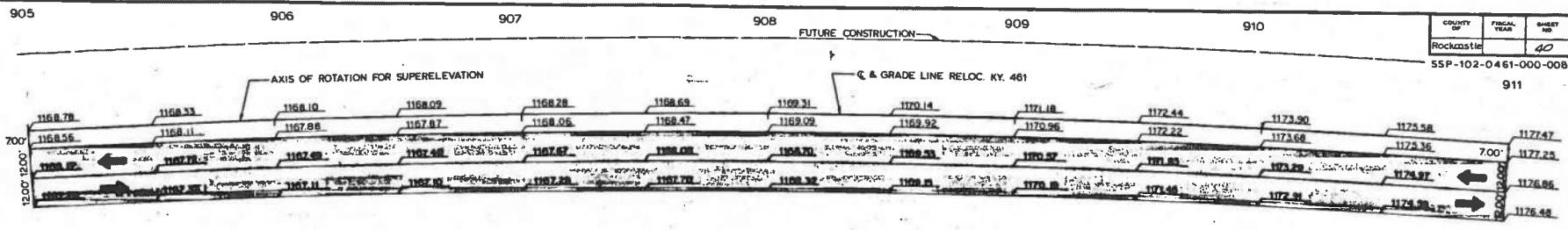
COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle		39	267

SSP-102-0461-000-008
893



COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle		40	227

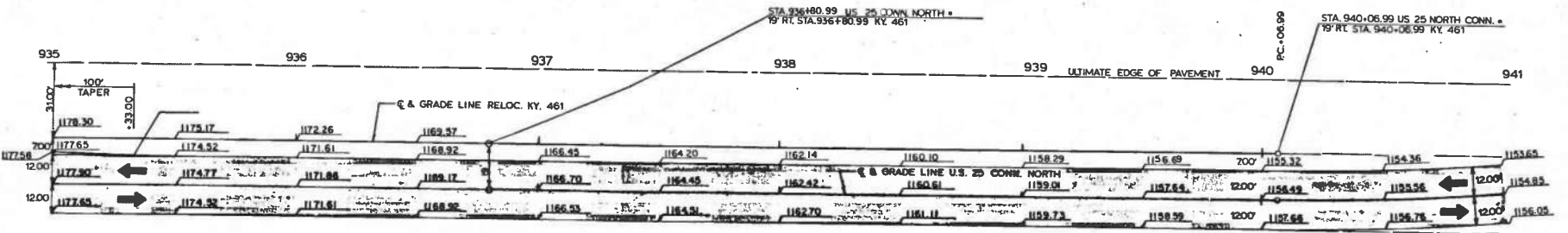
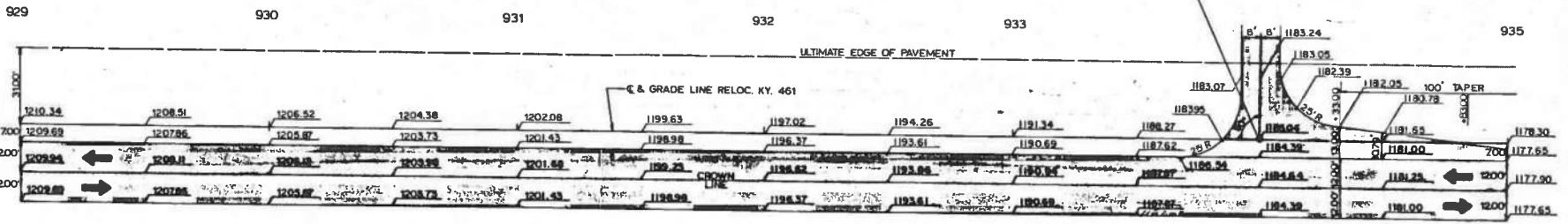
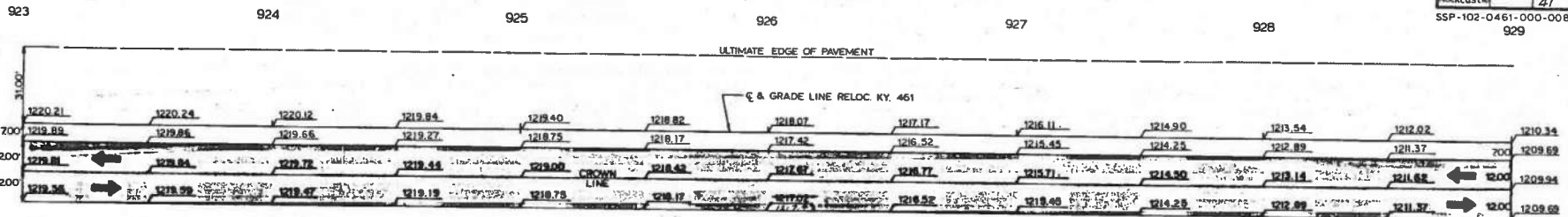
SSP-102-0461-000-008
911



PT +9786

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle	41	267	

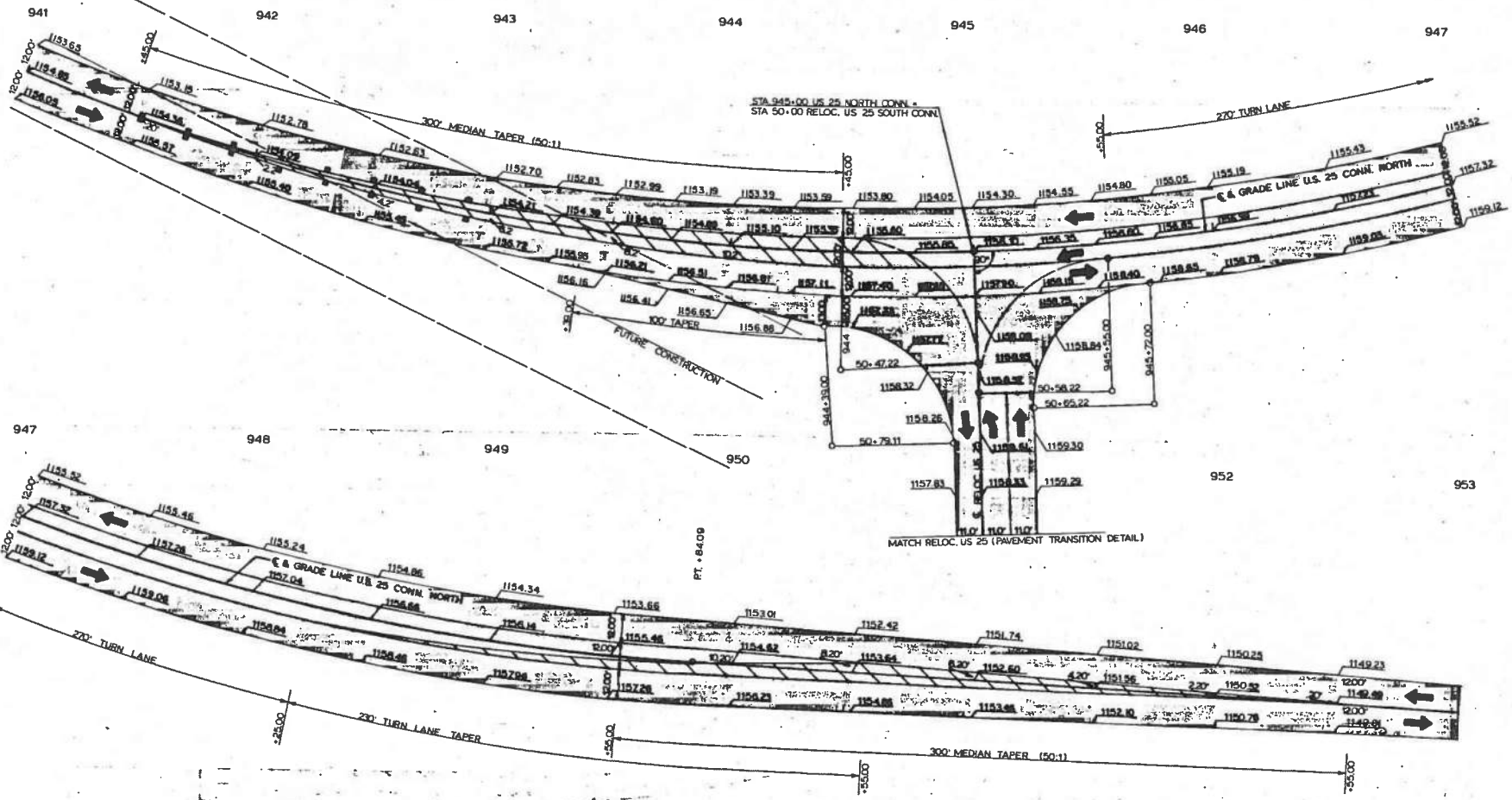
SSP-102-0461-000-008
929



PAVEMENT TRANSITION DETAILS
SCALE 1" = 20'

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle		42	257

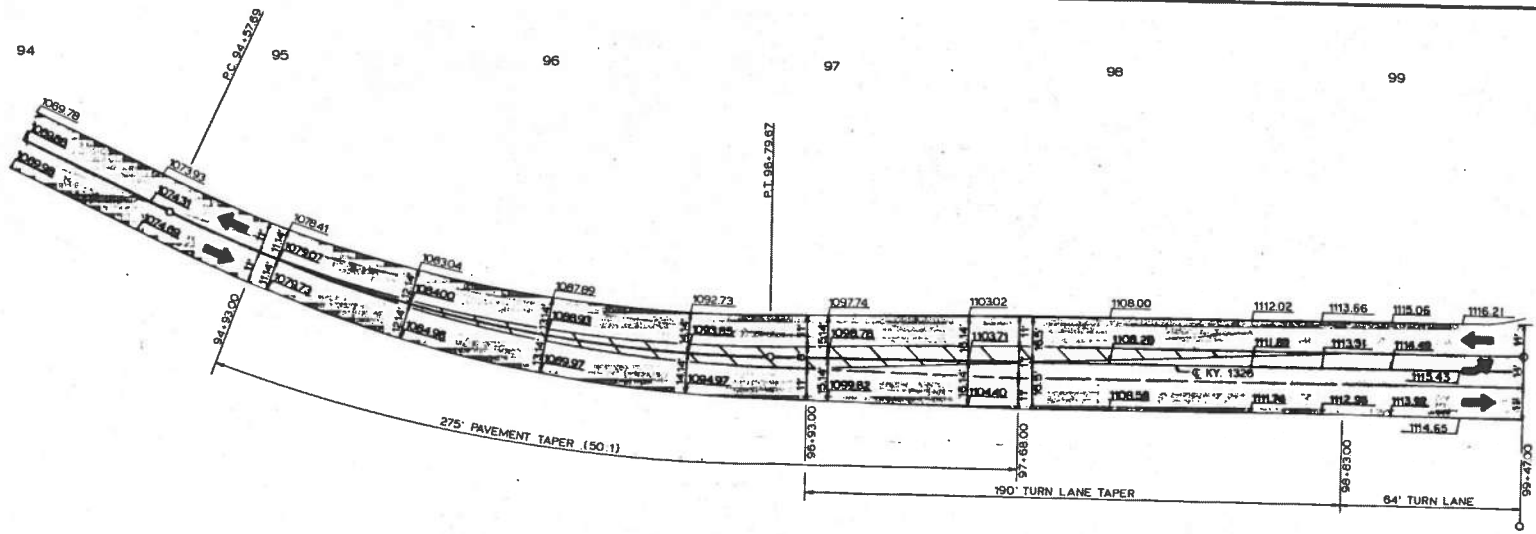
SSP-102-0461-000-008



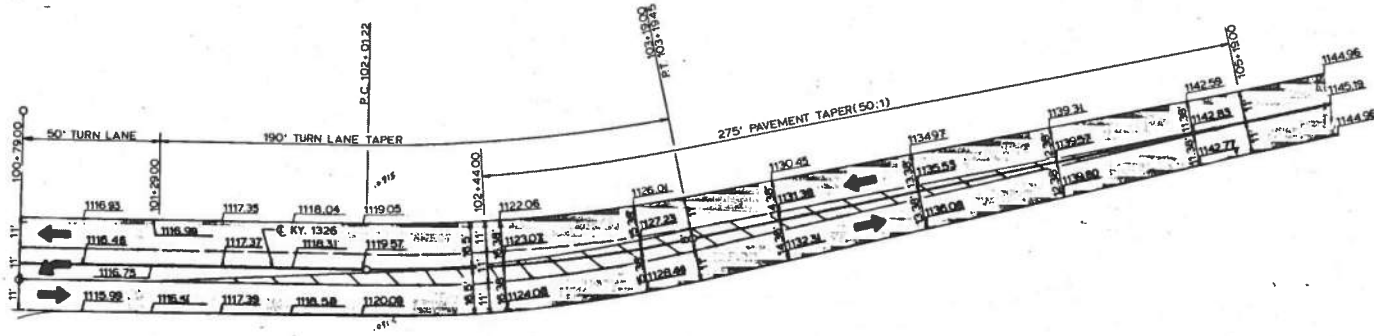
PAVEMENT TRANSITION DETAILS
SCALE 1" = 20'

23

E-61-100			
COUNTY	FISCAL	SHEET	TOTAL
NO.	YEAR	NO.	SHEETS
Rockcastle		43	257
SSP-102-0461-000-008			
100			



SEE SHEET 42 OF 257 FOR INTERSECTION DETAIL

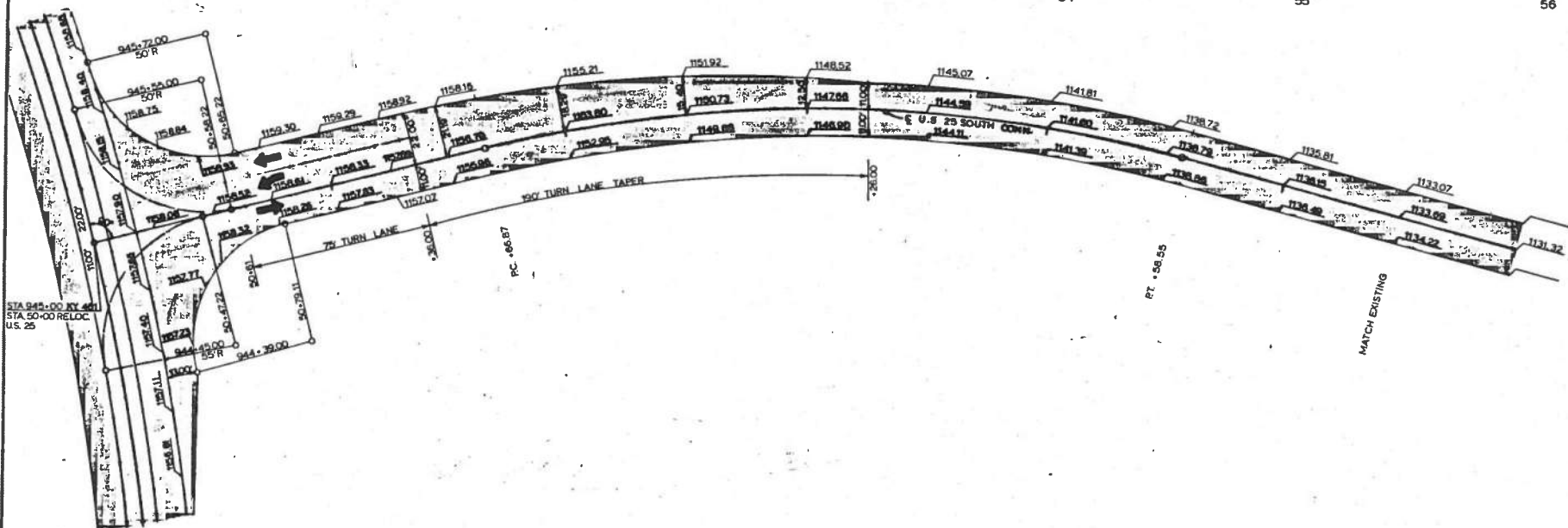


RELOCATED KY. 1326 PAVEMENT DETAILS
SCALE: 1" = 20"

74

P. 401-1(3)			
COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle		44	257

SSP-102-0461-000-008



STA 945+00 TO 941+00
 STA 50+00 RELOC.
 U.S. 25

PAVEMENT TRANSITION DETAILS
 U.S. 25 SOUTH CONN.
 SCALE: 1" = 20'

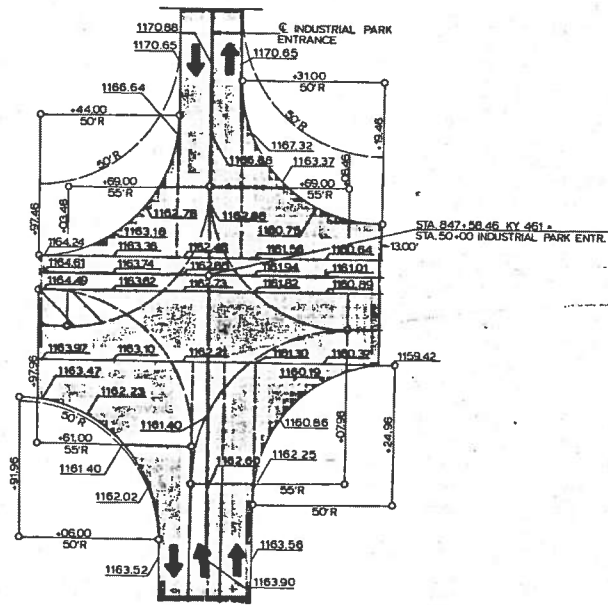
75

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle		45	257

F 461-1(2)

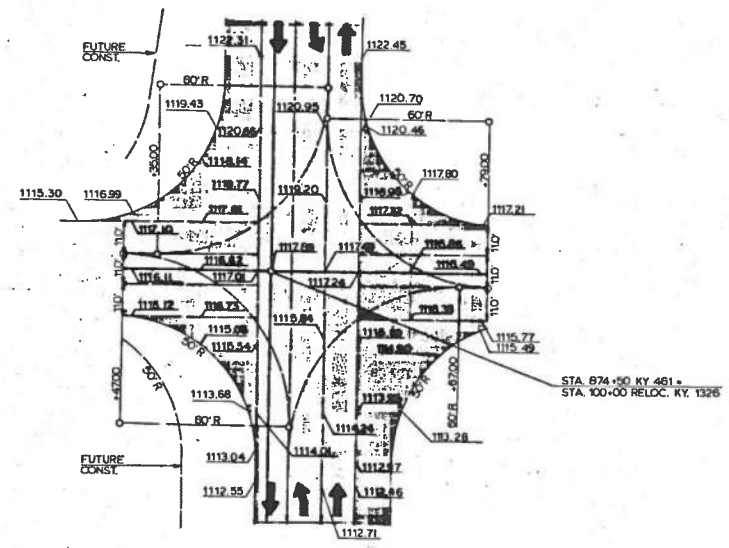
847

848



INDUSTRIAL PARK ENTRANCE

100

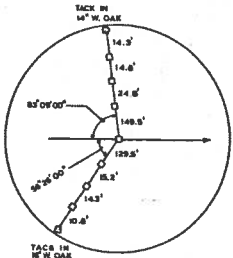


KY. 1326

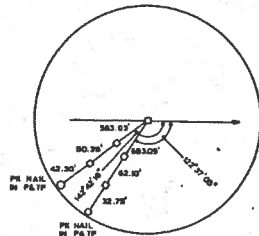
PAVEMENT TRANSITION DETAILS
 INDUSTRIAL PARK & KY. 1326 INTERSECTIONS
 SCALE: 1" = 20'

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle		46	257

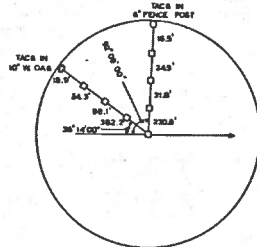
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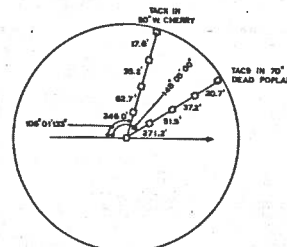
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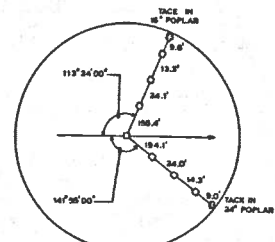
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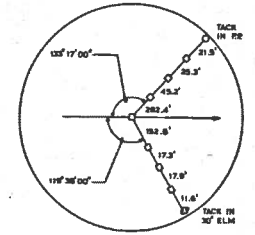
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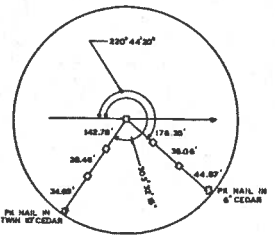
P.C. 861+88.77



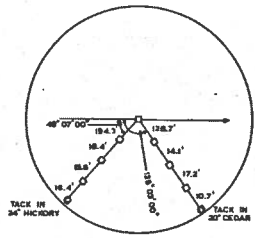
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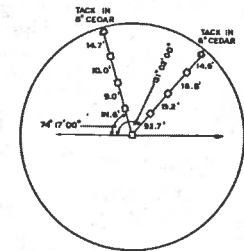
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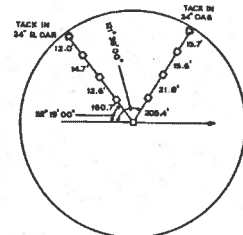
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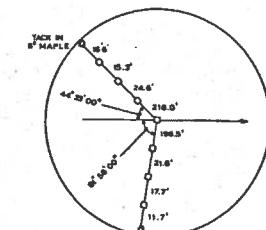
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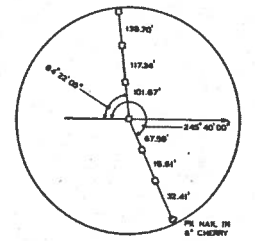
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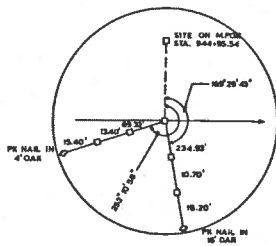
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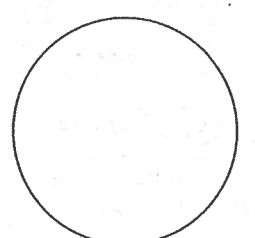
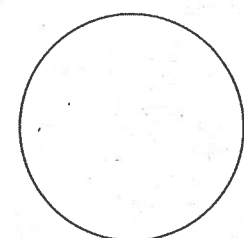
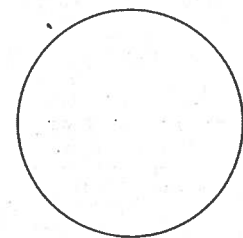
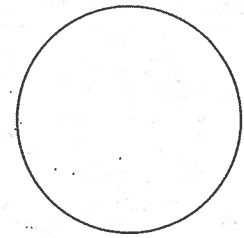
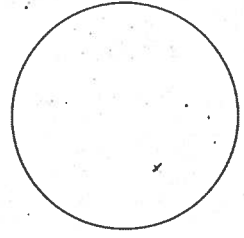
P.O.T. 929+02.07



P.C. 940+06.99 U.S. 25 CONN NORTH -
19' RT STA 940+06.99 KY. 461

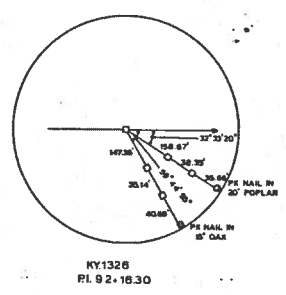


P.I. 945+43.15 U.S. 25 CONN. NORTH

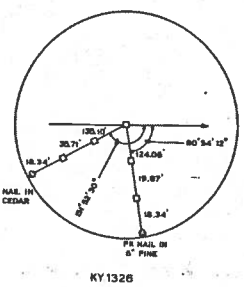


COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle		41	257

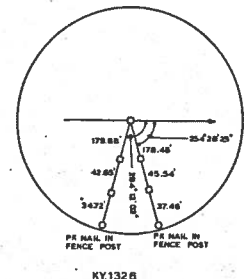
REFERENCE POINTS



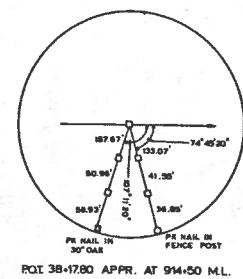
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PI 92+16.30



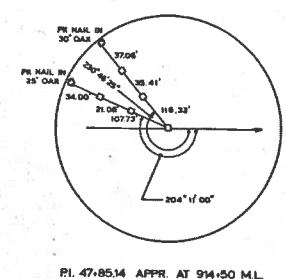
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PI 95+20.34



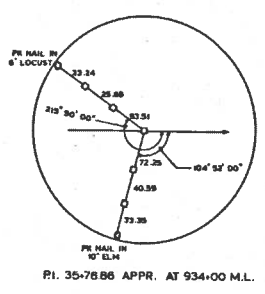
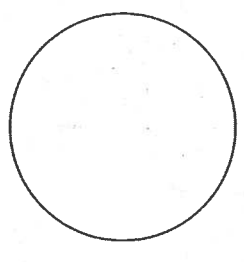
KY1326
PI 102+60.59



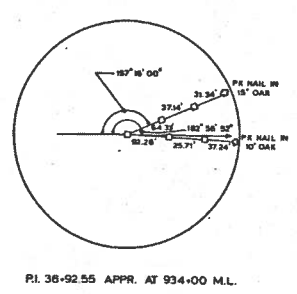
ROT 38+17.80 APPR. AT 94+50 M.L.



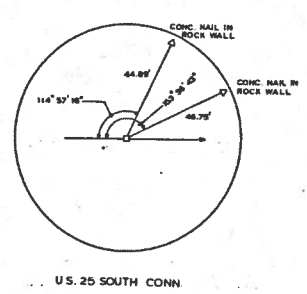
PI 47+85.14 APPR. AT 94+50 M.L.



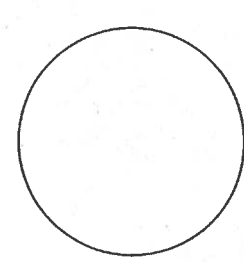
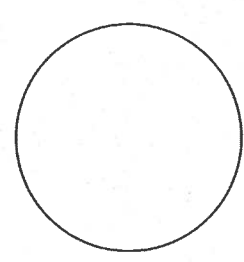
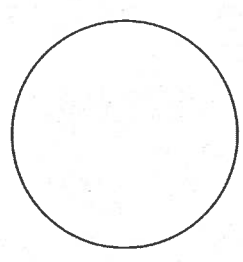
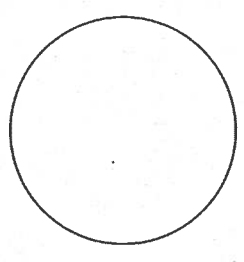
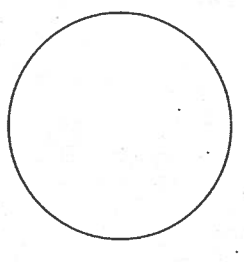
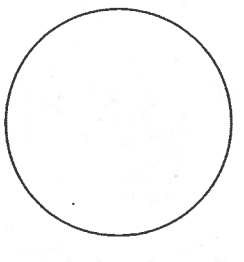
PI 35+76.86 APPR. AT 934+00 M.L.



PI 36+92.55 APPR. AT 934+00 M.L.



U.S. 25 SOUTH CONN
PI 53+15.94



COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
ROCKCASTLE		48	267

SSP 102-0461-000-006-1000

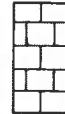
Description of Soil Compactness or Consistency

SOIL TYPE	COMPACTNESS OR CONSISTENCY	RANGE OF PENETRATION RESISTANCE	RANGE OF UNCONFINED COMPRESSIVE STRENGTH
Coarse grained soils (More than half of material is larger than No. 200 sieve size.)	Very loose Loose Medium compact Compact Very compact	Less than 4 blows per foot, 4 to 10 10 to 30 30 to 50 Greater than 50	Not applicable
Fine grained soils (More than half of material is smaller than No. 200 sieve size.)	Very soft Soft Medium stiff Stiff Very stiff Hard	Not applicable	Less than 0.25 to 0.25 to 0.5 0.5 to 1.0 1.0 to 2.0 2.0 to 4.0 Greater than 4.0

Unified Soil Classifications

MAJOR DIVISIONS	SYMBOL	NAME		
COARSE-GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	GW Well-graded gravels or gravel-sand mixtures, little or no fines.		
		GP Poorly graded gravels or gravel-sand mixtures, little or no fines.		
		GM Silty gravels, gravel-sand-silt mixtures.		
		GC Clayey gravels, gravel-sand-clay mixtures.		
	SAND AND SANDY SOILS	SW Well-graded sands or gravelly, little or no fines.		
		SP Poorly graded sands or gravelly sands, little or no fines.		
		SM Silty sands, sand-silt mixtures.		
		SC Clayey sands, sand-clay mixtures.		
		FINE GRAINED SOILS	SILTS AND CLAYS LL IS LESS THAN 50	ML Inorganic silts and very fine sands, rock, flour, silty or clayey fine sands or clayey silts with slight plasticity.
				CL Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
SILTS AND CLAYS LL IS LESS THAN 50	MH Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts.			
	CH Inorganic clays of high plasticity, fat clays.			
UNCLASSIFIED MATERIAL	NONE	Non-classified material (i.e. overburden, pavement, coal mine waste, slag, rubble, talus, etc.). Include visual description.		

- N Penetration Resistance
- S+C(%) Material finer than No. 200 sieve
- Rockline Sounding
- ⊕ Disturbed Sample Boring
- ⊙ Undisturbed Sample Boring
- ⊗ Undisturbed Sample Boring and Rock Core
- Rock Core
- ⊙ Slope inclinometer installation
- typical applications: ○ ⊕ ⊙ ⊗ ●
- ▲ Approximate Footing Elevation
- ▽ Water Elevation
- Thin-walled Tube Sample
- < Standard Penetration Test Sample
- Q_u Unconfined Compressive Strength
- w(%) Moisture Content
- RQD(%) Rock Quality Designation
- SDI(%) Slake Durability Index
- Rec(%) Core Recovery
- φ Angle of Internal Friction
- φ Effective Angle of Internal Friction
- c Cohesion
- τ Effective Cohesion
- γ Total Unit Weight
- RDZ Rock Disintegration Zone
- OB Overburden Bench
- IB Intermediate Bench
- R Refusal
- NR Refusal Not Encountered
- LI Liquidity Index
- AI Activity Index



LIMESTONE



SANDSTONE



COAL



SHALE, SOIL-LIKE (SDI ≤ 50)



SHALE, INTERMEDIATE (50 < SDI < 95)



SHALE, ROCK-LIKE (SDI < 95)

Relation of RQD and in situ Rock Quality

RQD (%)	Rock Quality
90 - 100	Excellent
75 - 90	Good
50 - 75	Fair
25 - 50	Poor
0 - 25	Very Poor

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle	49	267	

SSP 102-0461-000-008-001-30
SECT. II

GEOTECHNICAL NOTES

1. ALL WELLS, CAVES AND SINKHOLES WITHIN THE CONSTRUCTION LIMITS WHETHER SHOWN ON THE PLANS OR NOT, SHALL BE FILLED AND/OR CAPPED AS SPECIFIED IN SECTION 711 OF THE 1985 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
2. NATURAL MOISTURE CONTENT AT THE TIME OF SOILS INVESTIGATION INDICATED THE SOILS IN THE CUT SECTIONS WERE OVER OPTIMUM MOISTURE, THEREFORE, THESE SOILS SHALL BE ALLOWED TO DRY BEFORE BEING COMPACTED TO THE EMBANKMENT SECTIONS AS SPECIFIED IN THE 1985 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. NO DIRECT PAYMENT WILL BE PERMITTED FOR THIS OPERATION.
3. EXCAVATE AND WASTE THE SOFT AND/OR SATURATED FOUNDATION MATERIAL TO ROCK BETWEEN APPROXIMATE STATIONS 866+00 TO 870+50 IN THE AREA OF THE EXISTING LAKE AND BACKFILL WITH ROCK FROM ROADWAY EXCAVATION AS SHOWN ON CROSS-SECTIONS.
4. LIMESTONE ROCK FROM ROADWAY EXCAVATION SHALL BE UTILIZED FROM GROUND LINE TO A POINT 25 FEET BELOW GRADE LINE AS SHOWN ON CROSS-SECTIONS BETWEEN THE FOLLOWING STATIONS:
 STATION 863+25 TO 875+25
 STATION 901+00 TO 918+25
 STATION 933+75 TO 942+50
 STATION 91+50 TO 50+00 APPROACH LT. 934+00
 STATION 94+25 TO 28+75 KENTUCKY 1326

5. FOUNDATION EMBANKMENT BENCHES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DRAWING 60X-013-01 BETWEEN THE FOLLOWING STATIONS. A MINIMUM OF ONE FOOT OF LIMESTONE ROCK FROM ROADWAY EXCAVATION SHALL BE PLACED ON ALL EMBANKMENT BENCHES FOR DRAINAGE PURPOSES.
 STATION 863+25 TO 865+75
 STATION 869+75 TO 874+75
 STATION 932+75 TO 943+75
 STATION 940+25 TO 943+75

 STATION 43+00 TO 47+75, APPROACH LT. 934+00
 STATION 51+00 TO 52+25, APPROACH RT. OF 934+00
 STATION 94+25 TO 98+75, KENTUCKY 1326
6. ALL EMBANKMENTS REQUIRING LIFTS OF LIMESTONE ROCK IN SPECIFIED PORTIONS SHALL BE CONSTRUCTED SIMULTANEOUSLY WITH OTHER PORTIONS OF THE EMBANKMENT AS SHOWN ON CROSS-SECTIONS.
7. THE CONTRACTOR SHALL CONDUCT GRADING OPERATIONS IN SUCH A MANNER THE LIMESTONE ROCK FROM ROADWAY EXCAVATION SHALL BE STOCKPILED OR OTHERWISE MANIPULATED SO THAT AMPLE QUANTITIES ARE AVAILABLE FOR THOSE AREAS REQUIRING SAID MATERIAL. NO DIRECT PAYMENT WILL BE ALLOWED FOR SUCH NECESSARY MANIPULATION AS STOCKPILING AND/OR HANDLING THE MATERIAL.

1230
1220
1210
1200
1190
1180
1170
1160

1230
1220
1210
1200
1190
1180
1170
1160

END SECTION BELOW SECTION II
STATION 814+00.50

Refer to Cut Stability Section for Sta. 826+00

1160 NOTICE - Without regard to the materials encountered, all roadway and drainage excavation shall be unclassified and shall be designated as Roadway Excavation. It shall be distinctly understood that any reference to rock, earth or any other materials on the plans or cross sections, whether in numbers, words, letters, or lines, is solely for the Bureau's information and is not to be taken as an indication of classified excavation or the quality of either rock, earth, or any other material involved.
 The bidder must draw his own conclusions as to the conditions to be encountered. The Bureau does not give any guarantee as to the accuracy of the data and no claim will be considered for additional compensation when the materials encountered are not in accord with the classification shown.

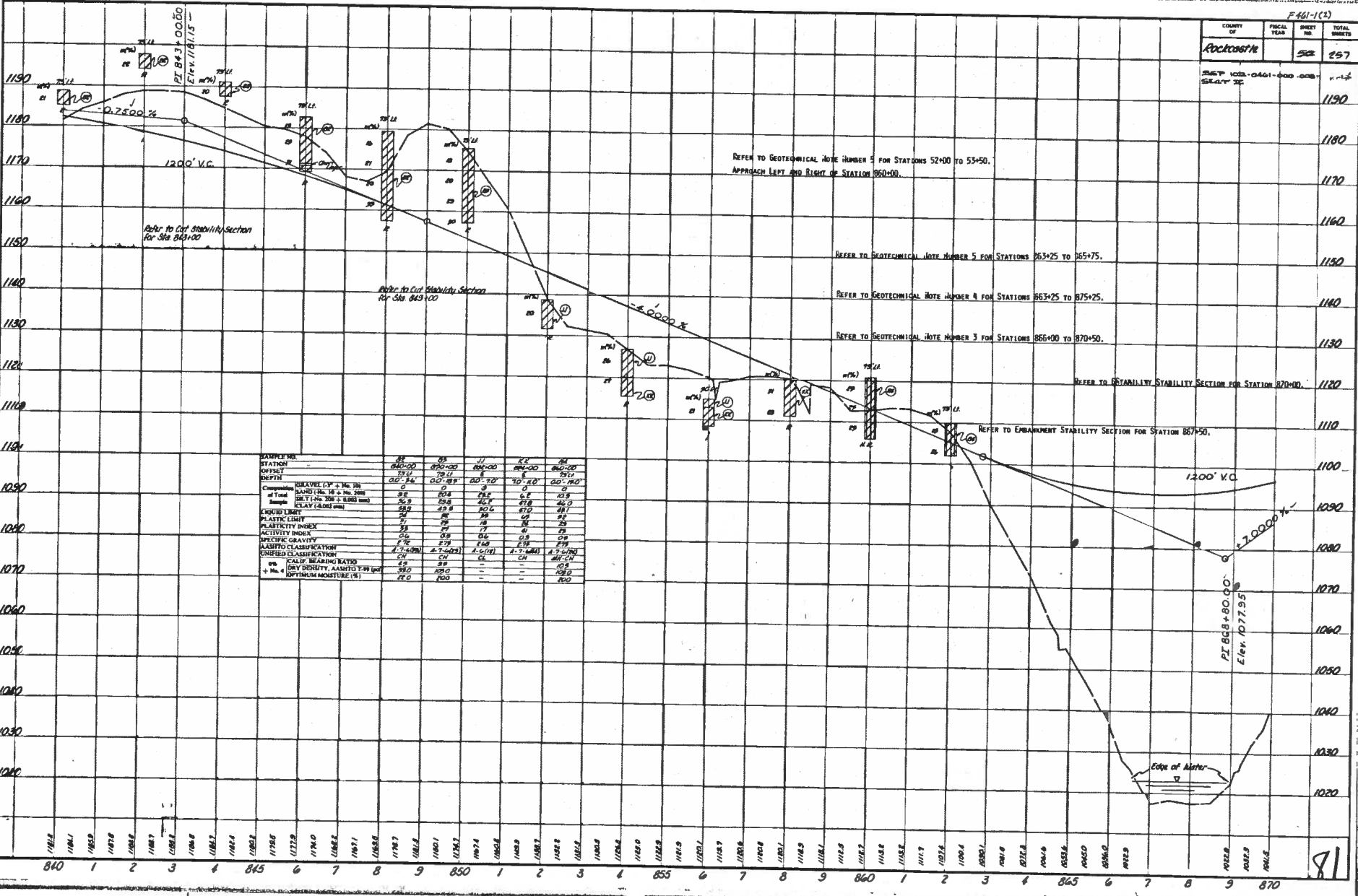
Sample No.	80	81	HH	82
Station	816+00	826+00	874+00	840+00
Depth	74 FT.	79 FT.	6'	79 FT.
	0-33'	0-103'	0-32'	0-30'
Composition of Total Sample	10.4	10.6	13.9	9.2
Sand (No. 10 - No. 20)	3.2	3.7	5.9	26.9
SR (No. 20 - 60) (mm)	37.4	51.7	26.2	29.3
(Say 1.0% max)	60	64	33	34
Liquid Limit	23	25	19	21
Plastic Limit	37	42	14	33
Activity Index	0.6	0.7	4.5	0.6
Specific Gravity	2.72	2.71	2.68	2.73
UNCLASSIFIED	CH	CH	CL	CH
Unified Classification	CH	CH	CL	CH
95	25	40	-	45
• No. 4	58.0	48.0	-	49.0
(Dry Density - AASHTO T-99) (pcf)	110.0	110.0	-	110.0
(Dry Density - ASTM D-1557)	110.0	110.0	-	110.0

1180A
1181A
1182A
1183A
1184A
1185A
1186A
1187A
1188A
1189A
1190A
1191A
1192A
1193A
1194A
1195A
1196A
1197A
1198A
1199A
1200A
1201A
1202A
1203A
1204A
1205A
1206A
1207A
1208A
1209A
1210A
1211A
1212A
1213A
1214A
1215A
1216A
1217A
1218A
1219A
1220A
1221A
1222A
1223A
1224A
1225A
1226A
1227A
1228A
1229A
1230A

KENTUCKY DEPARTMENT OF HIGHWAYS
 COUNTY OF
ROCKCASTLE
 MT. VERNON BY-PASS KY. 461
 PROJECT NUMBER: SSP 102-0461-000-008-001-D
 SECTION II
 DRAWN BY _____

COUNTY OF	SHEET NO.	TOTAL SHEETS
Rockcastle	52	297

SCALE: 1" = 40' HORIZ. 1" = 10' VERT.

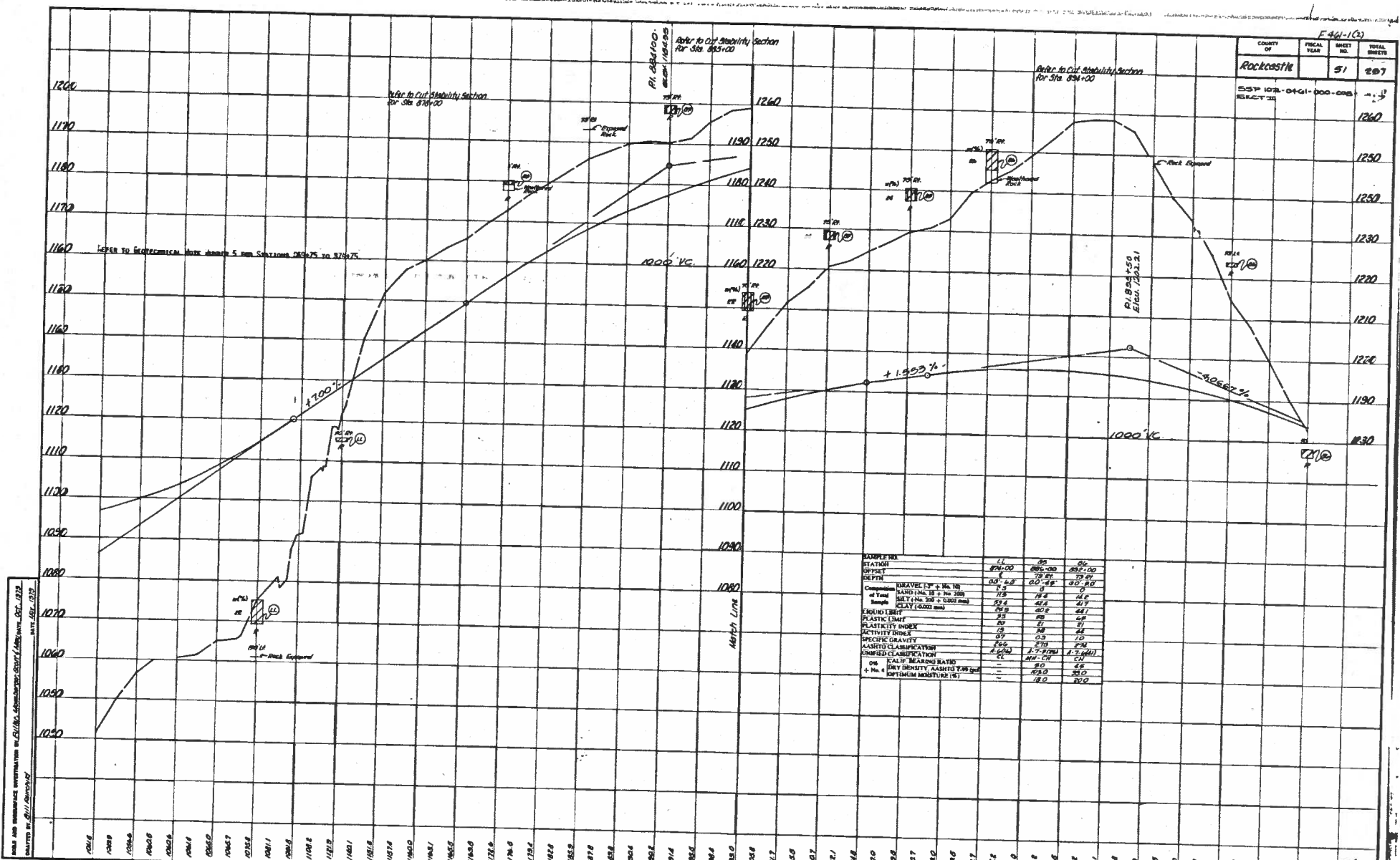


STATION	843+00	849+00	855+00	861+00	867+00
DEPTH	0.0' - 8.0'	0.0' - 8.0'	0.0' - 8.0'	0.0' - 8.0'	0.0' - 8.0'
DESCRIPTION	MAVELLY + No. 10	MAVELLY + No. 10	MAVELLY + No. 10	MAVELLY + No. 10	MAVELLY + No. 10
PLASTIC LIMIT	27	27	27	27	27
LIQUID LIMIT	58	58	58	58	58
PLASTICITY INDEX	31	31	31	31	31
SPECIFIC GRAVITY	2.65	2.65	2.65	2.65	2.65
UNIFIED CLASSIFICATION	A-7(5)	A-7(5)	A-7(5)	A-7(5)	A-7(5)
SOIL BEARING RATIO	200	200	200	200	200
DRY DENSITY (AMTD) (pcf)	120	120	120	120	120
OPTIMUM MOISTURE (%)	12.0	12.0	12.0	12.0	12.0

SHEETS 6-78
 FORM NO. 6
 LOCAL AND SURFACE IMPROVEMENTS IN CLAY COUNTY, KENTUCKY
 DRAWN BY G. H. BENTLEY
 DATE FEB. 1939

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle		51	207

SSP 1078-04-G1-000-008
SECTION 33



Refer to Cut Stability Section for Sta 878+00

Refer to Cut Stability Section for Sta 883+00

Refer to Cut Stability Section for Sta 894+00

REFER TO GEOLOGICAL NOTE ABOVE 5 FEET SECTIONS 878+75 TO 879+75

+7.00%

+1.553%

1000' VC

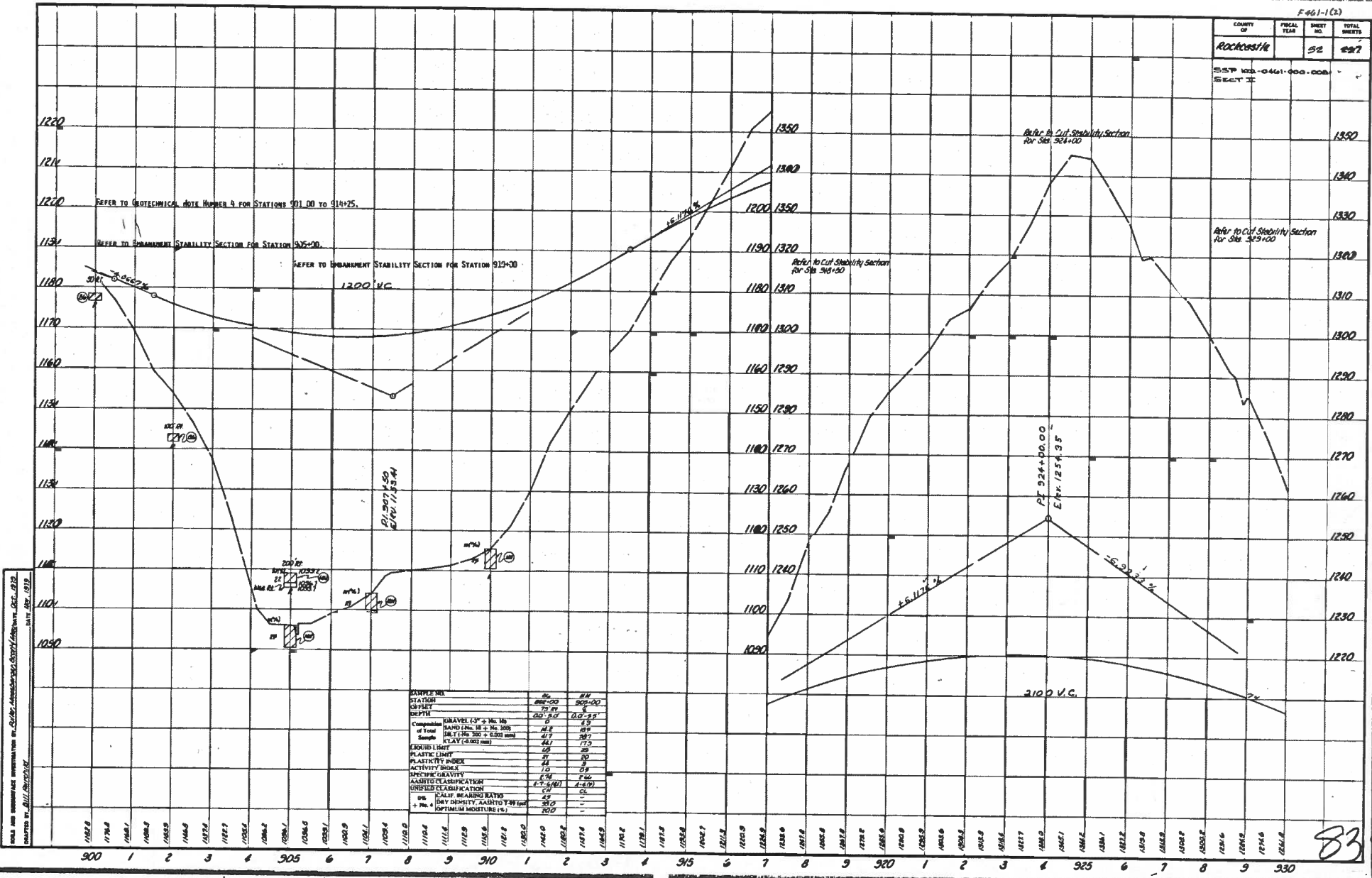
-3.0662%

COMPLETION	LL	PS	OL
STATION	874+00	885+00	894+00
DEPTH	4	29	29
DEPTH	0.0' - 6.0'	0.0' - 28'	0.0' - 30'
Composition	GRAVELLY CLAY	CLAY	CLAY
at 100g	11.5	15.5	16.5
at 20g	25.5	41.5	41.7
at 4.75mm	76.5	62.5	64.7
LIQUID LIMIT	23	28	28
PLASTICITY INDEX	15	18	18
SPECIFIC GRAVITY	2.65	2.65	2.65
UNIFIED CLASSIFICATION	CL (20)	CL (20)	CL (20)
CALIF. BEARING RATIO	150	150	150
DRY DENSITY (AMSD)	120	120	120
OPTIMUM MOISTURE (%)	12.0	12.0	12.0

ROAD AND EMBANKMENT SURVEYING IN ROCKCASTLE COUNTY, KY. 1937
 DRAWN BY: B. J. BROWN
 DATE: 10/1/37

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle		52	227

SSFP 100-0461-000-000
SECT 3C

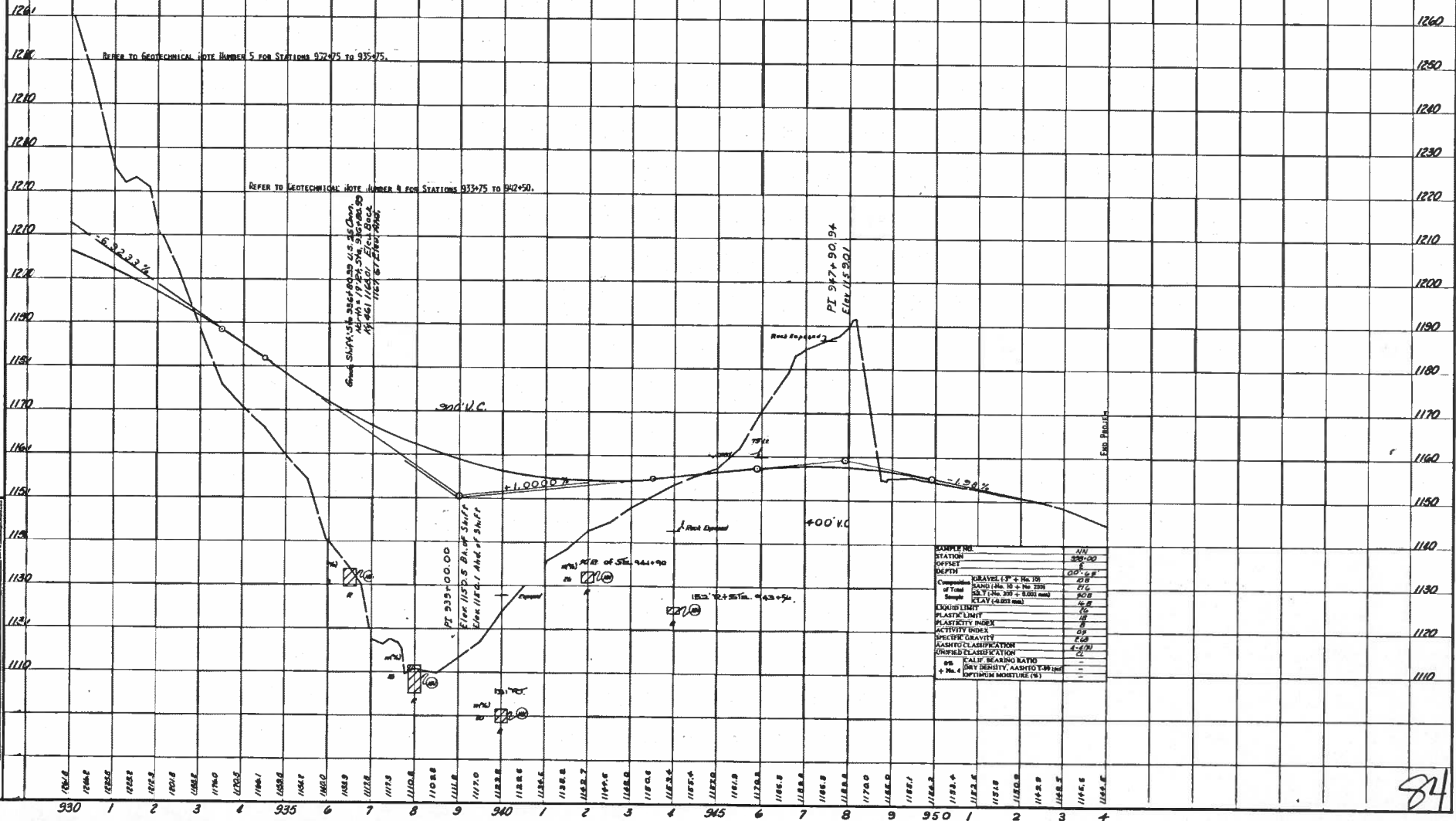


STATION	900+00	900+00
OFFSET	75 FT	8
DEPTH	60" ± 3"	10' ± 3"
COMPOSITION	GRAVEL (3" ± No. 10)	CLAY (No. 20)
WATER CONTENT (%)	22.8	28.8
LIQUIDITY INDEX	46.7	68.2
PLASTICITY INDEX	28	30
ACTIVITY INDEX	1.0	0.9
SPECIFIC GRAVITY	2.68	2.66
UNSATURATED WATER CONTENT (%)	47.5 (40)	43.7 (37)
SHRINKAGE (%)	15	15
SHRINKAGE RATIO	1.0	1.0
SHRINKAGE RATIO (OPTIMUM MOISTURE)	1.0	1.0

BETWEEN 4-73
 POINT NO. 5
 THIS AND SUBSEQUENT INFORMATION IS BASED ON THE DATA AND INFORMATION SUPPLIED BY THE CLIENT.
 DRAWN BY: JLL/SCH/2018

83

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle		53	262
SSP 102.0401.000-006			
SLC03E			



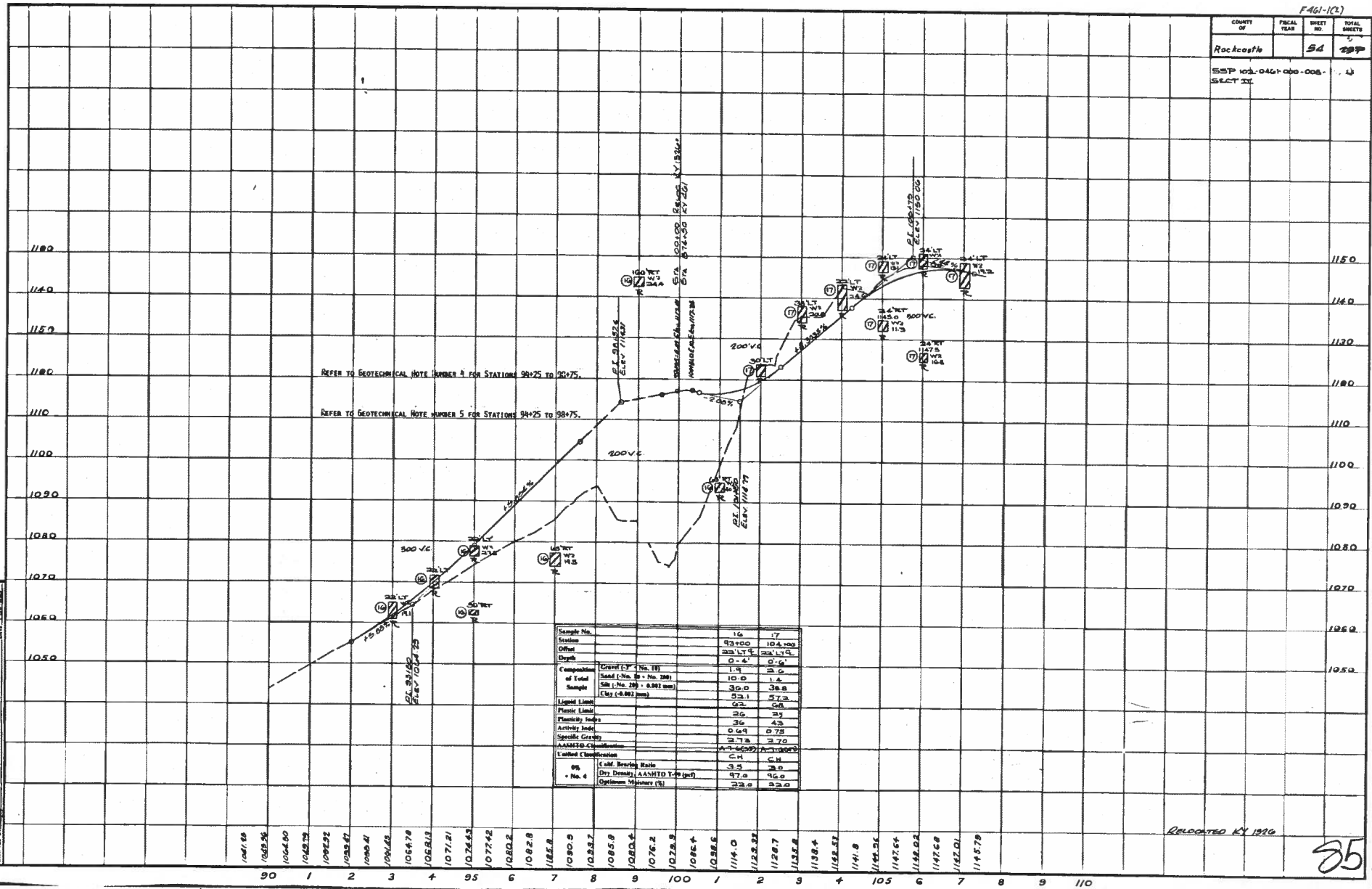
ROAD AND SURFACE INFORMATION BY DATE: **11/20/52** BY: **W. J. BRYAN**
 COUNTY OF: **Rockcastle** SHEET NO.: **53**
 DRAWN BY: **W. J. BRYAN**

DIVISION 12
 FORM NO. 1

84

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle		54	227

ESP 103.0461 000-008-1
SHEET 54



REFER TO GEOTECHNICAL NOTE NUMBER 4 FOR STATIONS 90+25 TO 92+75.

REFER TO GEOTECHNICAL NOTE NUMBER 5 FOR STATIONS 94+25 TO 98+75.

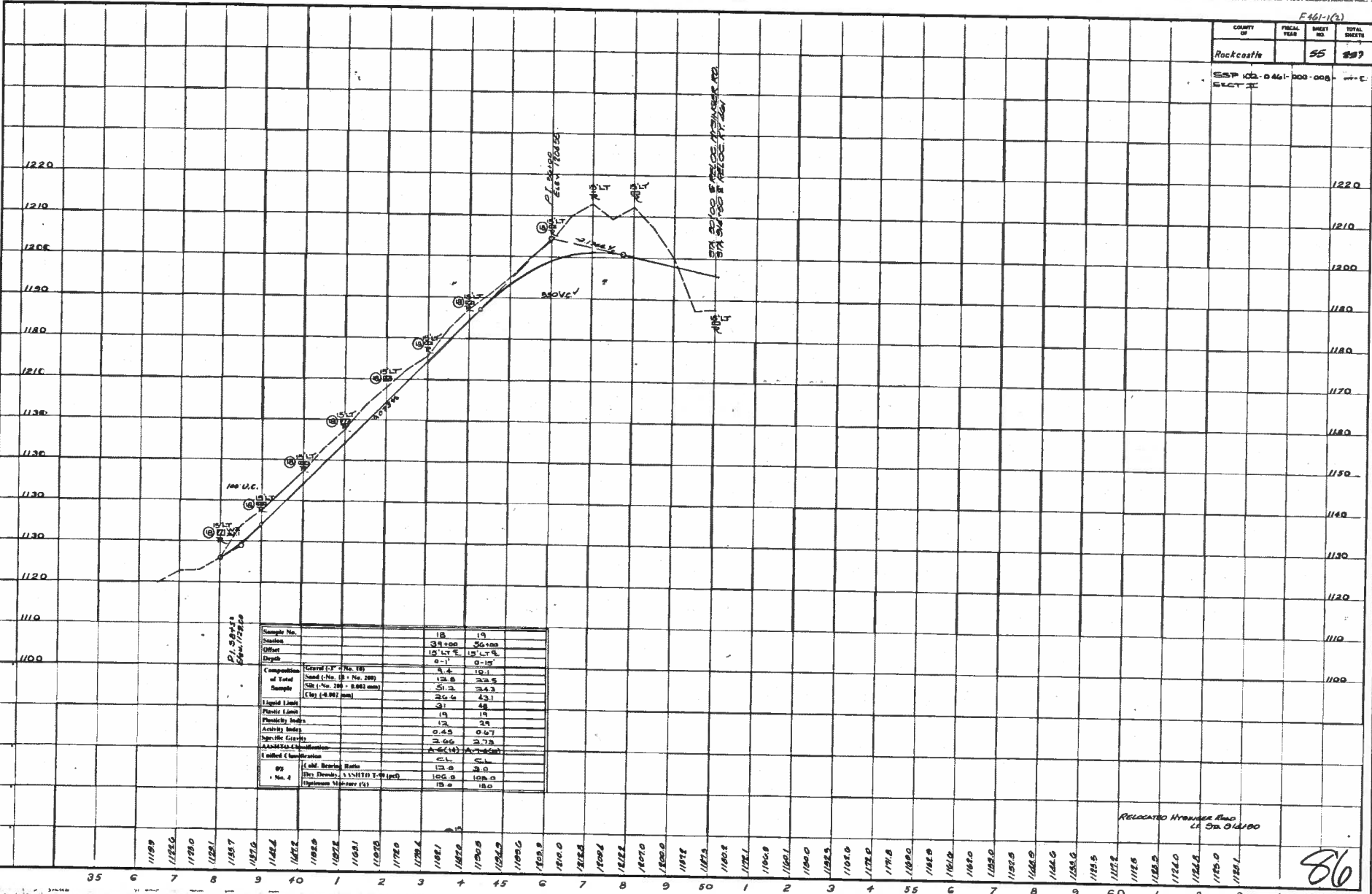
Sample No.	16	17
Station	93+00	104+00
Offset	23' LT	23' LT
Depth	0-4'	0-6'
Composition of Total Sample	Gravel (No. 10)	1.9
	Sand (No. 60 - No. 200)	10.0
	Silt (No. 200 - 0.0075 mm)	30.0
	Clay (<0.0075 mm)	58.1
Liquid Limit	63	57.3
Plastic Limit	26	23
Plasticity Index	36	33
Specific Gravity	2.73	2.73
AASHTO Classification	A-7.5 (5)	A-7.5 (5)
Unified Classification	CH	CH
% Calc. Shrinkage Ratio	3.2	3.9
Dry Density (AASHTO T-99) (pcf)	117.8	116.8
Optimum Moisture (%)	23.0	23.0

Replotted by 1990

85

DETECTOR 11-78
 FORM NO. 5
 SOILS AND SUBSURFACE INVESTIGATION BY
 SURVEYED BY
 DATE 5-22-83

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle		56	209
ESP 102-0 461-200-000			44-C
SHEET II			



Sample No.	18	19
Location	39+00	36+00
Offset	12' Lt	12' Lt
Depth	0-1'	0-15'
Composition of Total Sample	Gravel (No. 10) 4.4	10.1
	Sand (No. 20 - No. 200) 12.8	23.5
	Silt (No. 200 - 2.000 mm) 51.2	34.3
	Clay (< 0.002 mm) 30.6	43.1
Liquid Limit	31	48
Plastic Limit	19	19
Plastic Index	12	29
Acidity Index	0.53	0.67
Specific Gravity	2.66	2.73
AASHTO Classification	A-6(14)	A-7(5)
1 mil. C. Unit	51	51
By (Salt) Resin Ratio	13.0	2.0
No. 4 (Dry Density) 1.140 (pcf)	100.0	100.0
Hygrometricity (%)	15.0	18.0

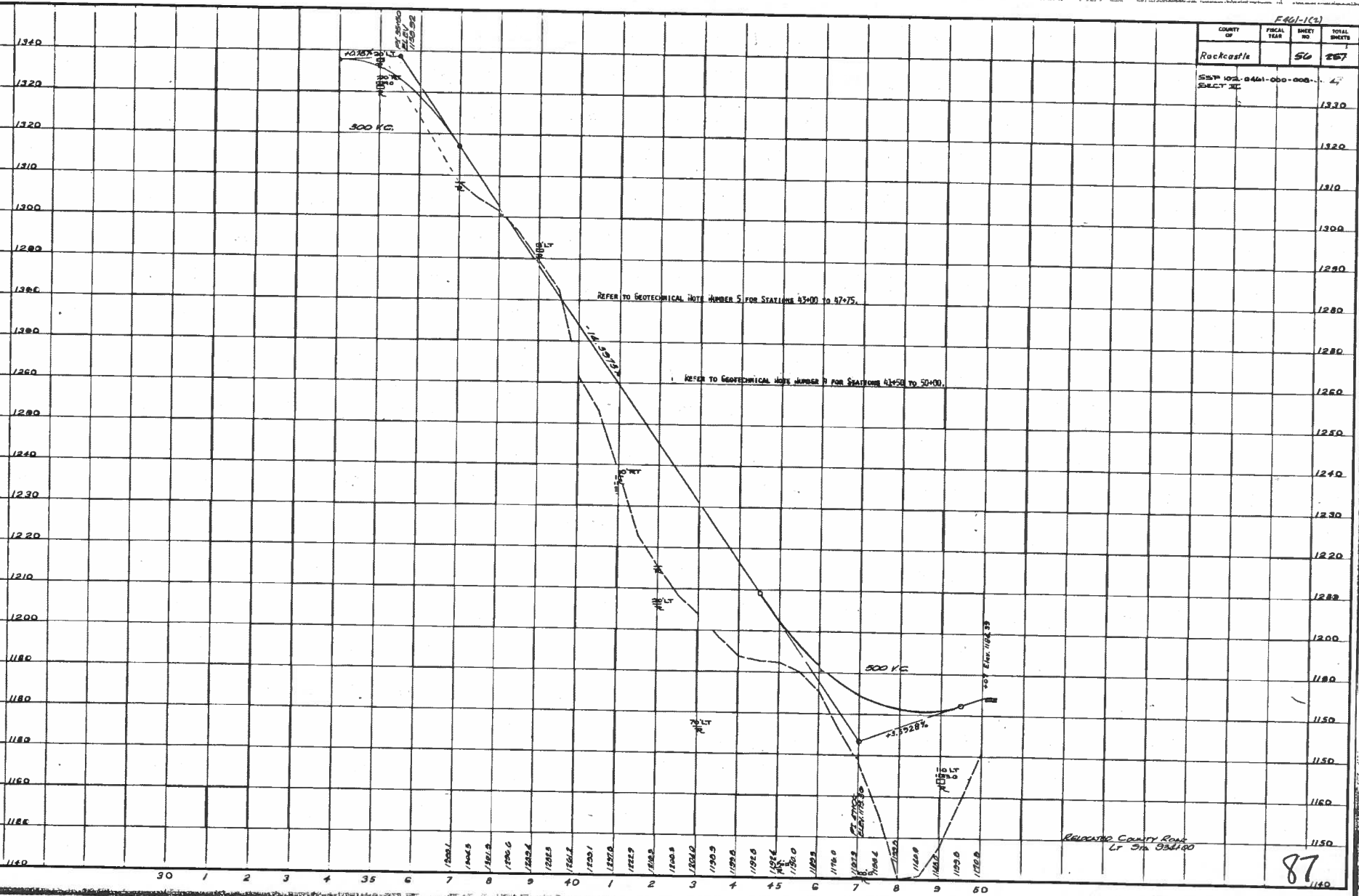
RELOCATED HYUNDAI ROAD
LA STA 0+100

86

SHEET 11-78
 POINT NO. 9
 MADE AND SURVEYED BY
 DRAWN BY
 DATE

SECTION 11-75
FORM NO. 9

DATE: _____ DATE: _____
 NAME AND ADDRESS OF CONTRACTOR: _____
 NAME AND ADDRESS OF ENGINEER: _____

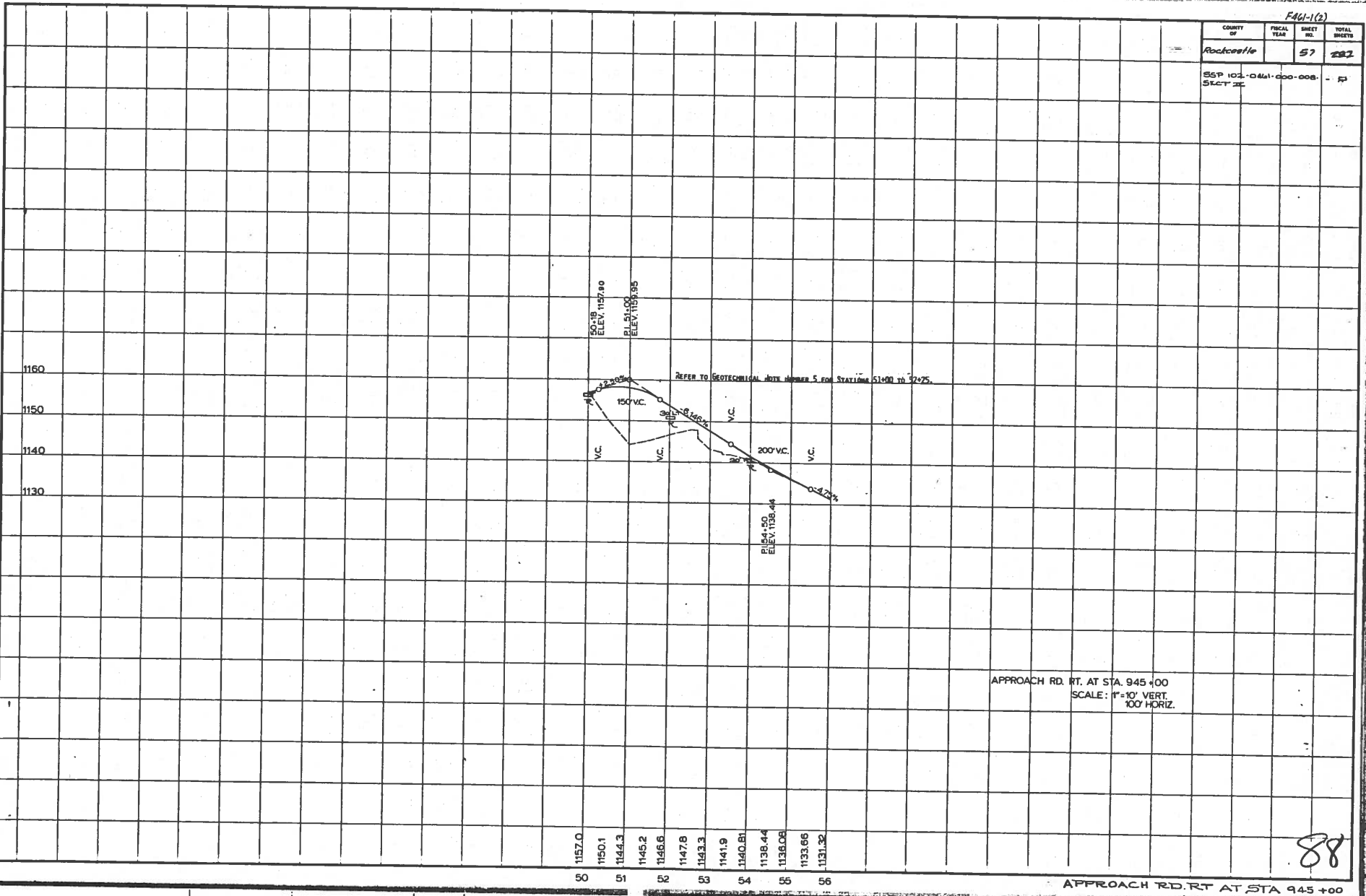


E-60-1(C)			
COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle		56	267
SHEET NO. 8461-000-000			4
SHEET NO.			1330
			1320
			1310
			1300
			1290
			1280
			1270
			1260
			1250
			1240
			1230
			1220
			1200
			1180
			1150
			1160
			1150
			1140

87

F461-1(2)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle		57	282
SSP 101-0461-000-008			53
SHEET 2C			



APPROACH RD. RT. AT STA. 945+00
 SCALE: 1"=10' VERT.
 100' HORIZ.

88

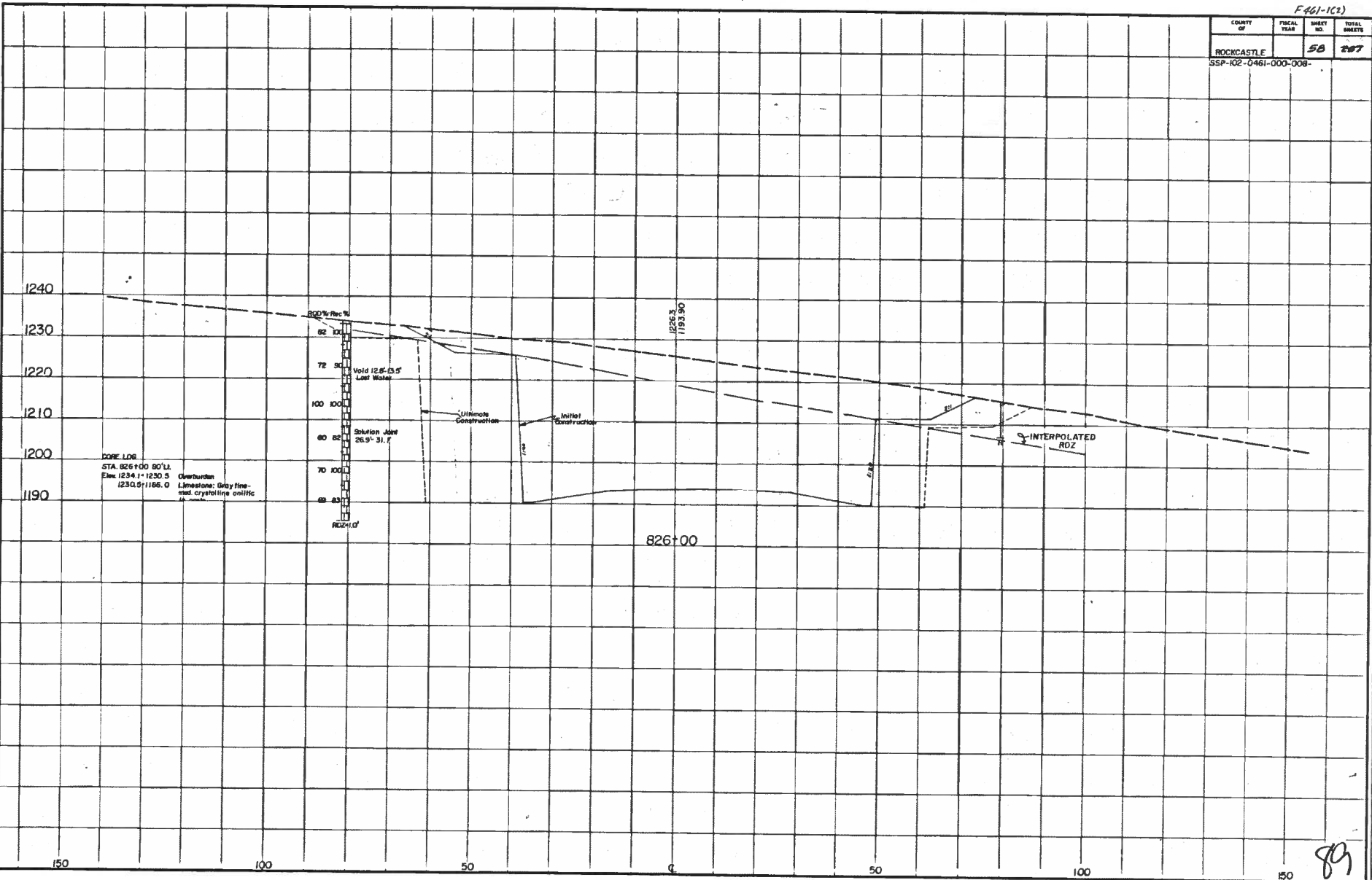
APPROACH RD. RT. AT STA 945+00

DICTIONARY 11-78
 FORM NO. 8

DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
ROCKCASTLE		58	207

SSP-102-0461-000-008-



CORE LOG
 STA. 826+00 80' L.
 Elev. 1234.1-1230.5
 1230.5/1186.0
 Overburden: Limestone; Gray fine-med. crystalline calc.

62 100
 72 50
 80 50
 84 50
 RDZ=10'

826+00

INTERPOLATED RDZ

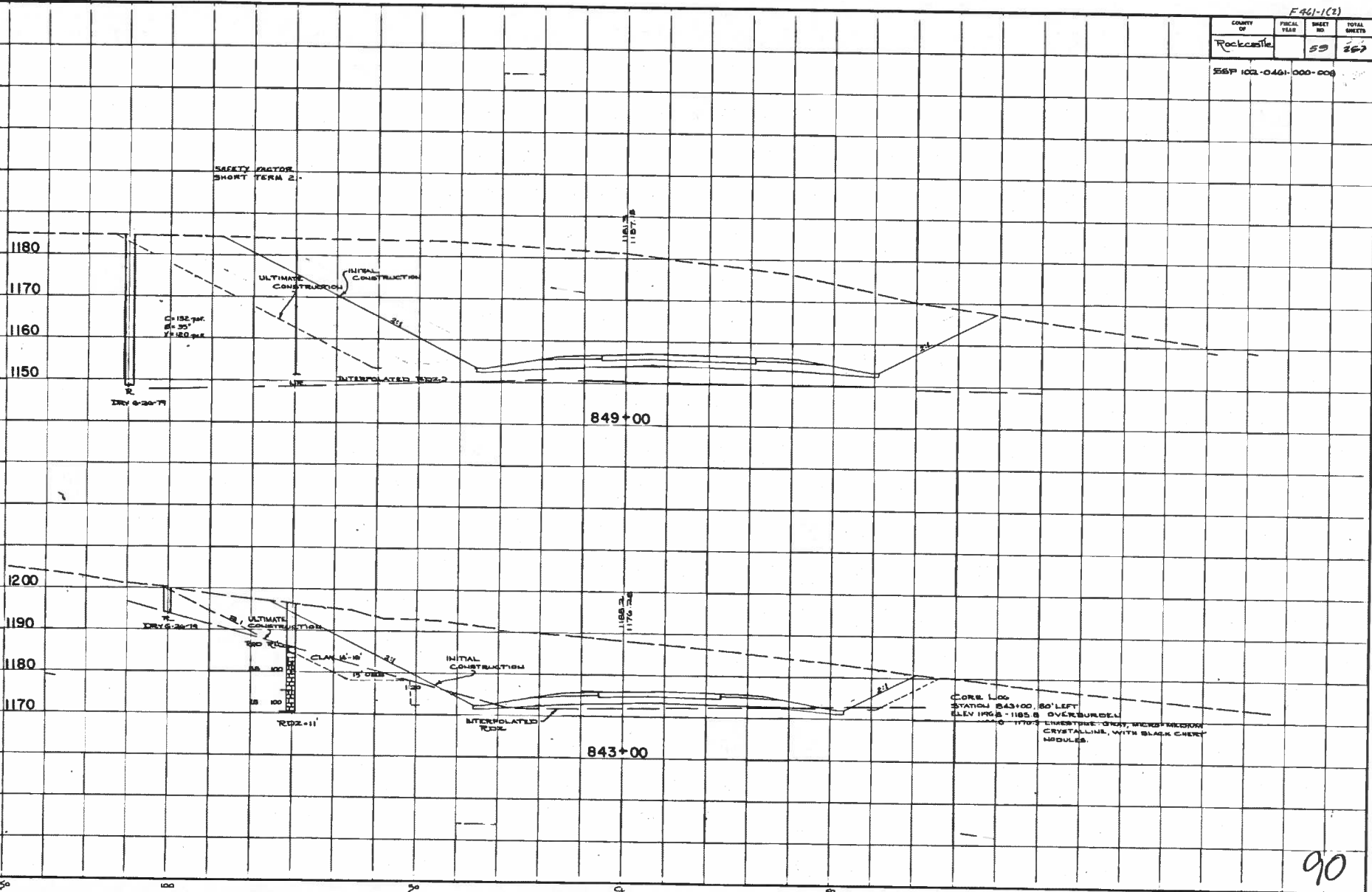
809

CUT STABILITY SECTION 826+00

SETZER 11-78
 FORM NO. 3
 SOIL AND SURFACE INVESTIGATION (Geotechnical Section)
 DRAWN BY: JJA-97
 DATE:

F461-1(2)		
COUNTY OF	FISCAL YEAR	TOTAL SHEETS
Rockcastle	59	66

SEP 102-0461-000-000



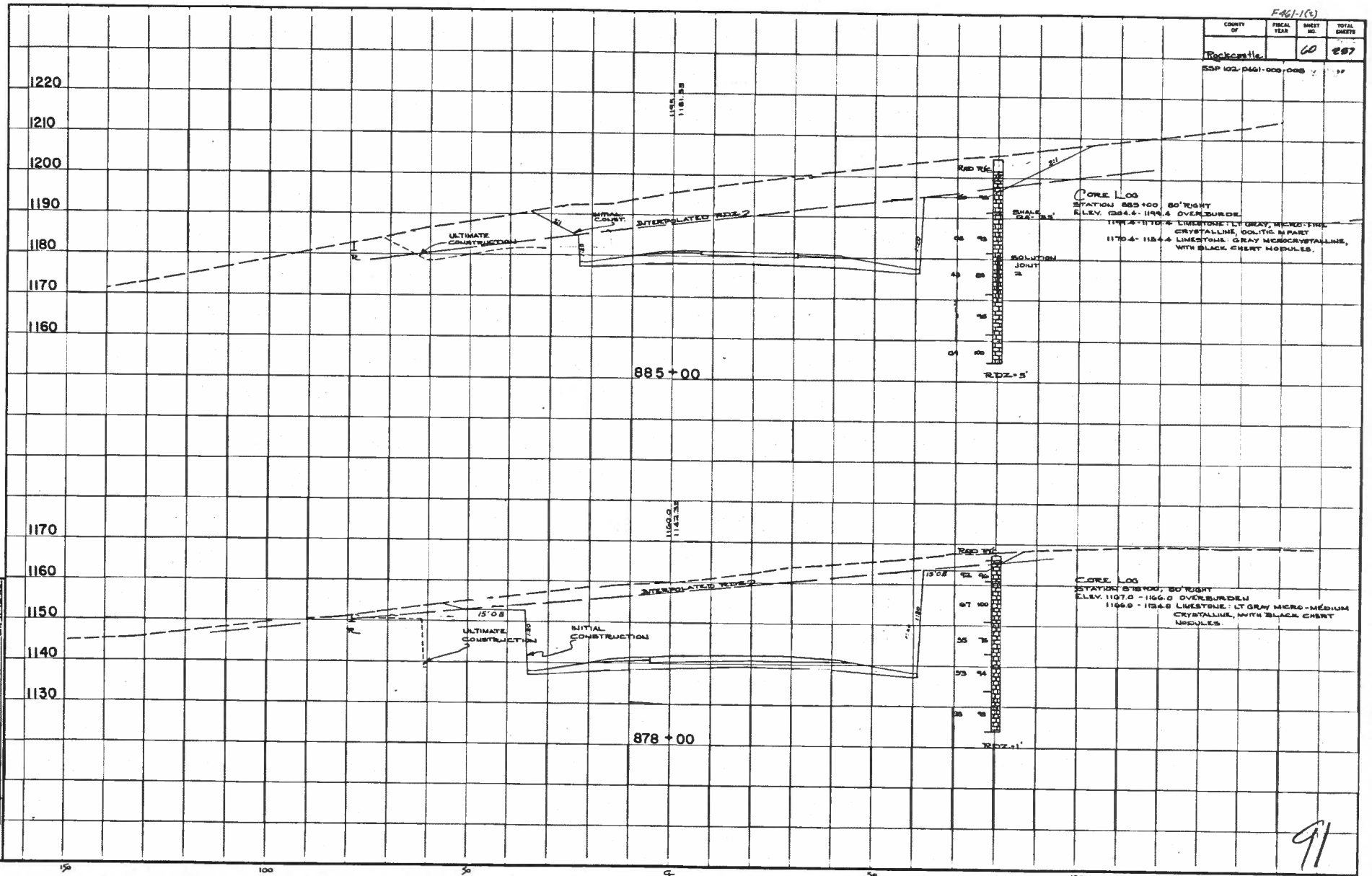
DATE: 11-78
 SCALE: 1" = 10'-0"
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]

90

F461-1(3)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle		60	87

RSP 102-0461-000-008



DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 DATE: _____

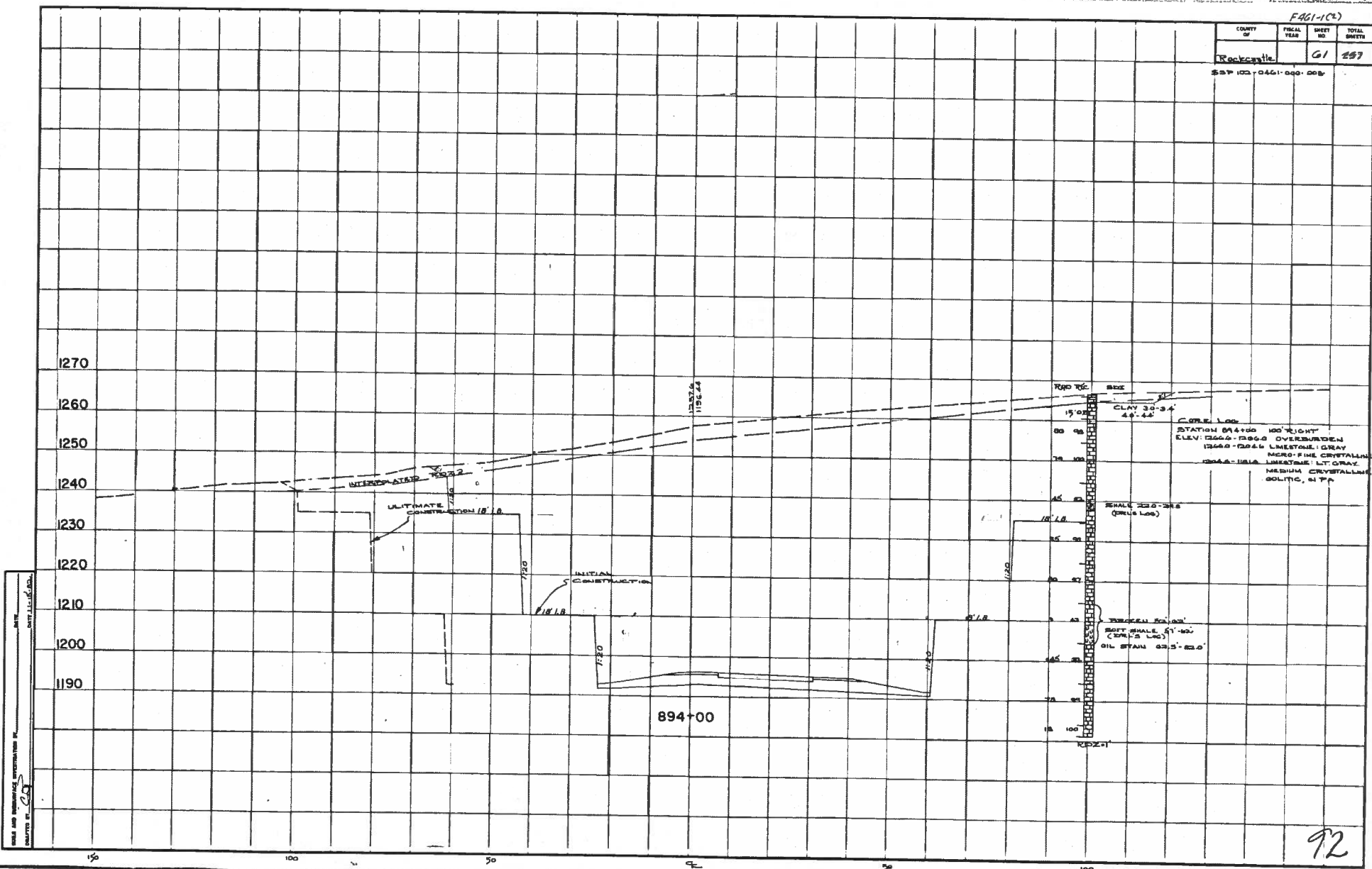
SECTION 11-78
 FORM NO. 8

91

CUT STABILITY SECTION 878+00/885+00

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle		61	257

SSP 102-0461-000-008



STATION 894+00 100' RIGHT
 ELEV: 1266-1268 OVERBURDEN
 1268-1268 LIMESTONE GRAY
 MEDIUM FINE CRYSTALLINE
 1268-1268 LIMESTONE LT GRAY
 MEDIUM CRYSTALLINE
 SOLTIC, 41%

SHALE 252-288
(Core Log)

TRUCKED SOIL
 SOFT SHALE 41'-50'
 (CORE LOG)
 OIL STAIN 32.5'-33.0'

SHEET AND SUBSECTION INFORMATION FROM SHEET F461-102
 SHEET NO. 61
 DATE 11/15/04

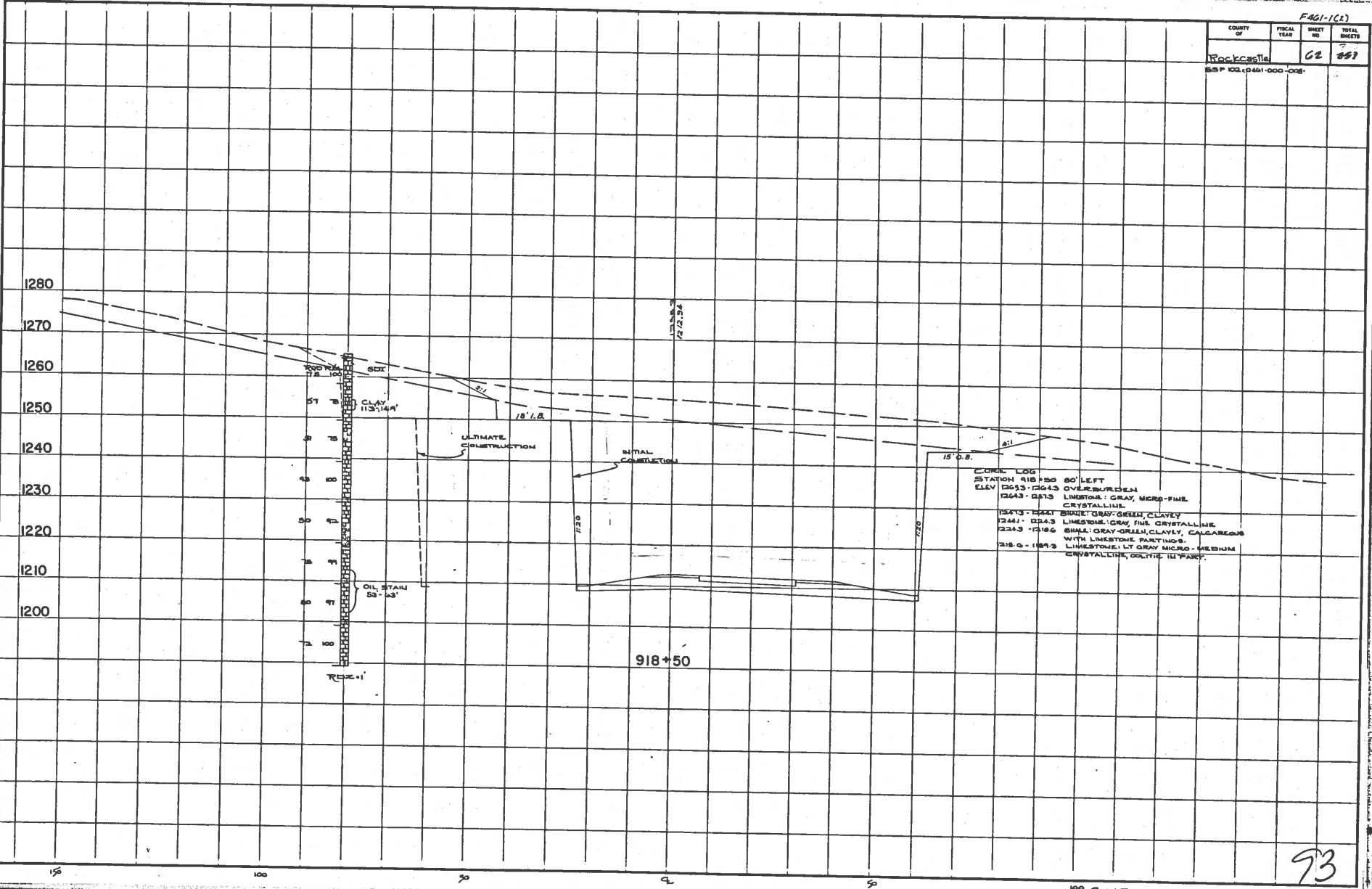
SECTION 1178
 POINT NO. 5

92

CUT STABILITY SECTION 894+00

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle		02	05

SSP 102 (0401-000-008)



CORE LOG
 STATION 918+50 80' LEFT
 ELEV 1263 - 1263 OVERBURDEN
 1263 - 1273 LIMESTONE: GRAY, MICRO-FINE, CRYSTALLINE
 1273 - 1281 BRN: GRAY-GREEN, CLAYEY
 1281 - 1283 LIMESTONE: GRAY, FINE, CRYSTALLINE
 1283 - 1286 SHALE: GRAY-GREEN, CLAYEY, CALCAREOUS
 WITH LIMESTONE PARTINGS
 1286 - 1293 LIMESTONE: LT GRAY MICRO-MEDIUM CRYSTALLINE, SOLITE IN PART.

918+50

93

100 CUT STABILITY SECTION 918+50

SHEET 11-78
 POND NO. 6
 DATE: 11/14/83
 DRAWN BY: J.P.

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle		68	82
S.D.P. 102-0461-000-000			

CORE LOG
 STA. 924+00, 200' LEFT
 ELEV. 1337.0 - 1349.0 OVERBURDEN
 1349.0 - 1353.0 SHALE - LIGHT GRAY TO RED, CLAYEY, RETURNED TO CLAY
 1353.0 - 1353.9 SHALE - DARK GRAY CLAYEY
 1353.9 - 1351.0 LIMESTONE - LT GRAY, FINE GRAINED

1380
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CORE LOG
 STA. 924+00, 200' RIGHT
 ELEV. 1323.2 - 1323.3 OVERBURDEN
 1323.3 - 1323.3 SHALE - DK GRAY, CLAYEY

CORE LOG
 STA. 924+00, 80' LEFT
 ELEV. 1328.0 - 1330.0 OVERBURDEN
 1330.0 - 1319.8 SHALE - GRAY, CLAYEY TO SILTY, CALCAREOUS
 1319.8 - 1319.4 LIMESTONE & SHALE INTERBEDDED, LS (COR)
 1319.4 - 1318.8 LIMESTONE, GRADING INTO SANDSTONE, SH (COR) GRAY SILTY TO CLAYEY, CALCAREOUS IN PART.
 1318.8 - 1316.0 SHALE - GRAY, CLAYEY TO SANDY WITH THIN LIMESTONE BEDS
 1316.0 - 1314.0 LIMESTONE - GRAY, FINE CRYSTALLINE
 1314.0 - 1313.0 SHALE - DARK GRAY, CLAYEY
 1313.0 - 1312.9 LIMESTONE - LIGHT GRAY, MEDIUM TO MEDIUM CRYSTALLINE

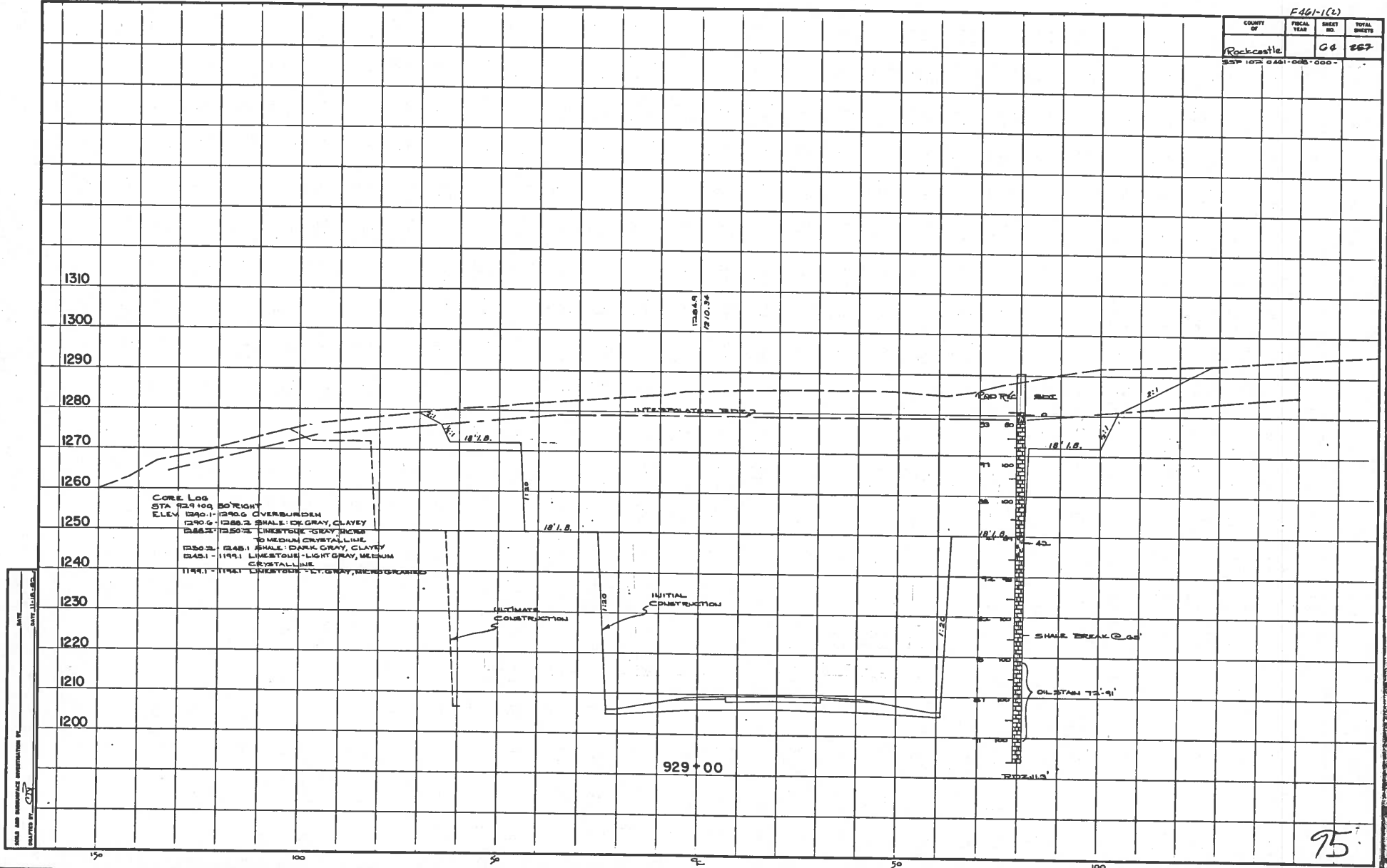
924+00

94

DRAWN BY: [Signature]
 DATE: 11/28/78
 SHEET NO. 9

F461-1(2)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Rockcastle		06	227
ESP 1073 0401 000 000			



DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 DESIGNED BY: _____
 SCALE AND DIMENSIONS: _____
 SHEET NO. 9

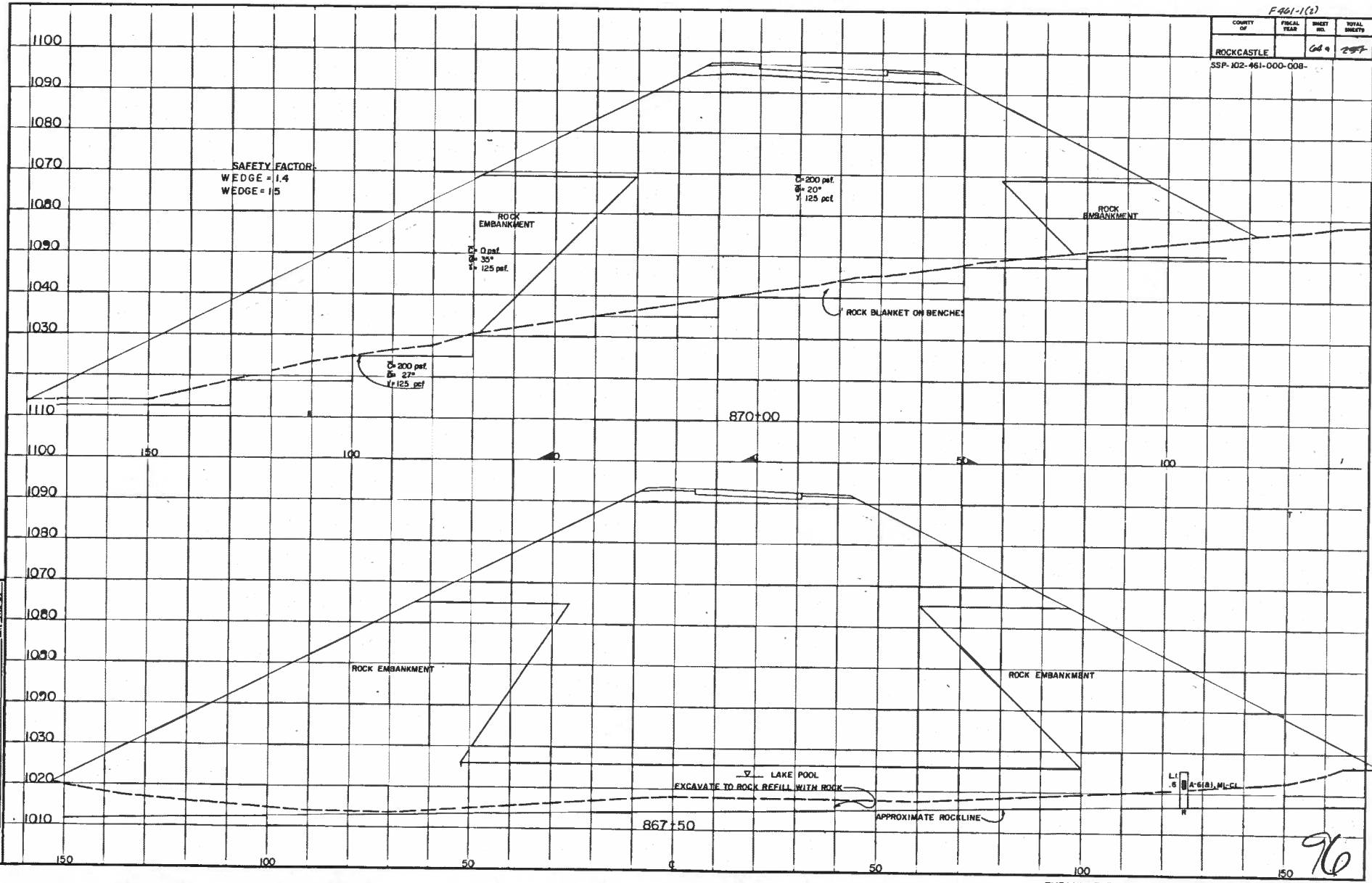
CUT STABILITY SECTION 929+00

75

F 461-1(2)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
ROCKCASTLE		68	257

SSP-102-461-000-008-



DRAWN BY: J. J. A. 77
 CHECKED BY: J. J. A. 77
 DATE: 11-78
 SCALE: 1"=20'

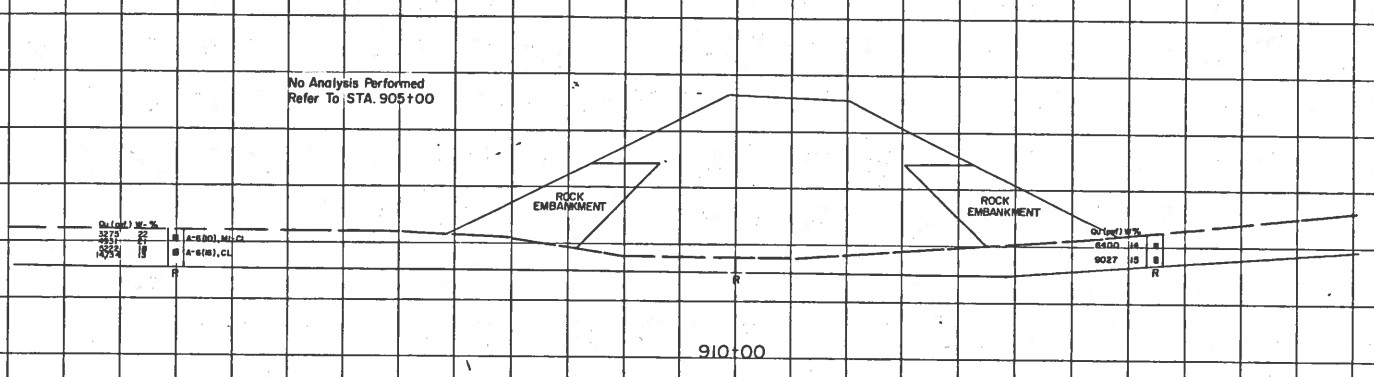
EMBANKMENT STABILITY SECTION STA. 867+50, 870+00

96

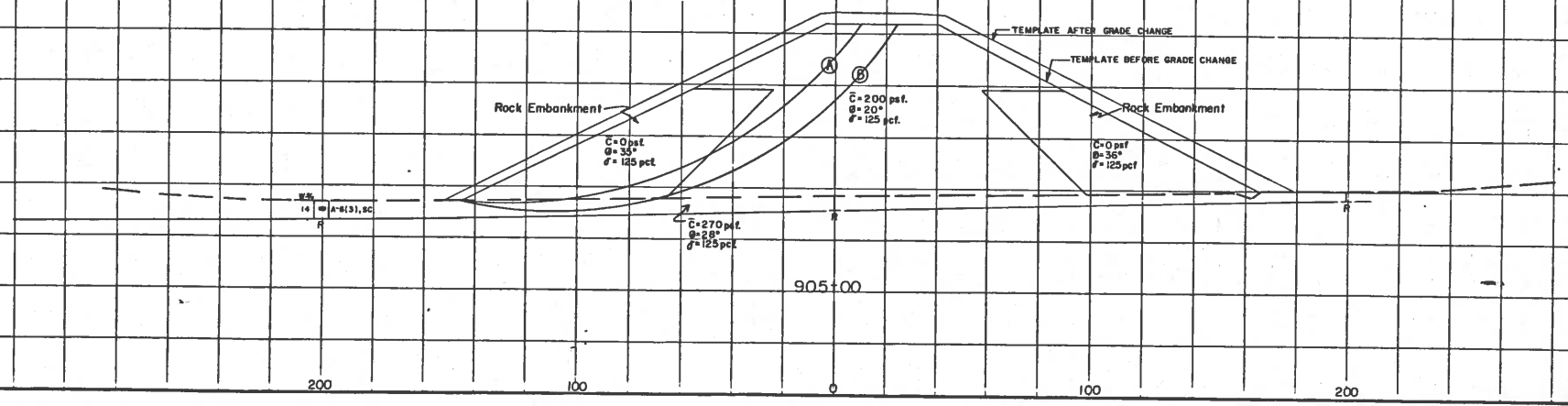
F461-1(2)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
ROCKCASTLE		666	857

SSP-102-461-000-008- ...



FACTOR SAFETY
 A. Long Term 1.1 Without Rock Berms
 B. Long Term 1.4 With Rock Berms



DESIGNER: H-78
 FORM NO. 9
 THIS IS A STANDARD INVESTIGATION OF EMBANKMENT STABILITY. DATE: 11-21-62
 DRAFTED BY: [Signature]

EMBANKMENT STABILITY SECTION STA 905+00, 910+00

97