F 34-1(6)

COUNTY OF	FISCAL YEAR	SHEET NO	TOTAL SHEETS
GARRARD		1	108

COMMONWEALTH OF KENTUCKY

DEPARTMENT OF HIGHWAYS

PLANS OF PROPOSED PROJECT

GARRARD COUNTY

F 34-1(6)

THESE PLANS ARE FOR GRADE, DRAIN AND SURFACING

INDEX OF SHEETS

SHEET NO	DESCRIPTION
1	LAYOUT SHEET
2-2g	TYPICAL SECTIONS - SUMMARY OF QUANTITIES SHEETS
3-19	PLAN AND PROFILE SHEETS
	~~UTILITY PLAN SHEETS~~
19a	RIGHT OF WAY SUMMARY SHEETS
19b-19e	RIGHT OF WAY STRIP MAP SHEETS
20-24	DETAIL SHEETS
	~~REFERENCE SHEETS~~
25-31	SOIL PROFILE SHEETS
32-35	PIPE DRAINAGE SHEETS
36-108	CROSS SECTION SHEETS

SHEETS NOT INCLUDED IN TOTAL SHEETS

2a thru 2g , 19a thru 19e, 25a

TOTAL BRIDGE SHEETS N/A

STANDARD DRAWINGS

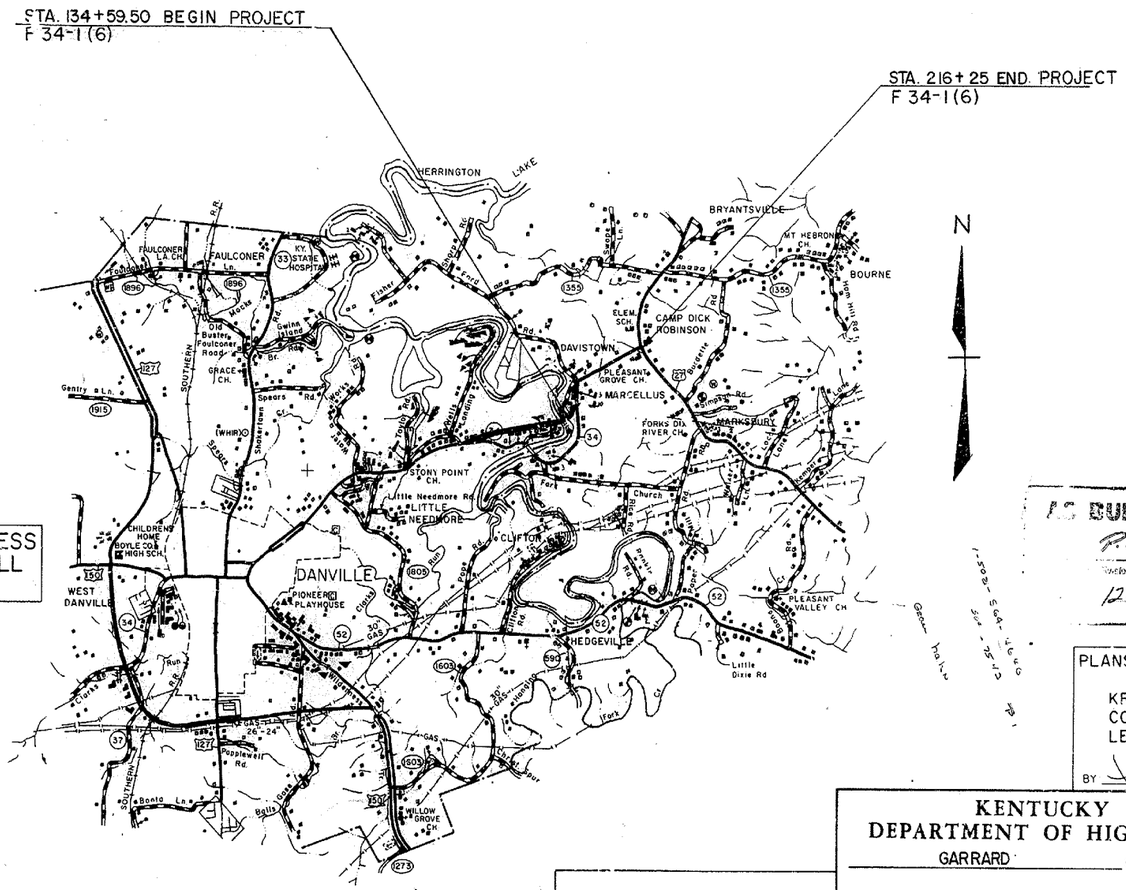
NUMBER

RBI-001-05
RBI-002-03
RBI-003-02
RBR-001-08
RBR-005-07
RBR-010-02
RBR-015-02
RBR-016-01
RBR-025-01
RBR-035-03
RDB-105-02
RDB-106-02
RDD-040-01
RDH-110
RDH-120
RDH-210
RDH-214
RDH-310-01
RDH-332
RDI-001-03
RDI-020-04
RDX-160-03
RDP-001-03
RDP-005-02
RDP-006-01
RDP-010-04
RDX-200
RDX-220-01
RGS-001-05
RGX-001-02
RGX-005-02
RPM-110-02
TSC-015
TSC-200-04
TSC-260-07
TSC-261-04
RBB 001-03
RBC 001-05
RDH 020
RDI 025

TOTAL STANDARD DRAWINGS 40

STA. 134+59.50 BEGIN PROJECT
F 34-1(6)

STA. 216+25 END PROJECT
F 34-1(6)



N

THE CONTROL OF ACCESS ON THIS PROJECT SHALL BE BY PERMIT.

GRAPHIC SCALE IN MILES

0 1 2 3

LAYOUT MAP

AS BUILT PLANS
R.D. Graves
Date of Construction
12-5-94

PLANS PREPARED & SUBMITTED BY:

KROBOTH ENGINEERS, INC.
CONSULTING ENGINEERS
LEXINGTON, KENTUCKY 40503

BY [signature] DATE 9/27/88

STATE OF KENTUCKY
FAUL A PATRICK
4446
REGISTERED
PROFESSIONAL ENGINEER

REVIEWED BY DIVISION OF CONSTRUCTION

NO	DATE
SENT FOR FEDERAL APPROVAL	
RECORD PLANS	
CONSTRUCTION PLANS	

PLANS CHECKED BY (L.H.)
FINAL CHECK BY E.W.W. 3-7-91

TELEDYNE POST
10-1-62
FORM NO. 1

DESIGN CRITERIA

CLASS OF HIGHWAY ARTERIAL
TYPE OF TERRAIN ROLLING
DESIGN SPEED 60
REQUIRED NPSD 525'
REQUIRED PSD 2100'
LEVEL OF SERVICE B
ADT PRESENT (1987) 4100
ADT FUTURE (2010) 6600
DHV 950
D % 55
T % 4

GEOGRAPHIC COORDINATES

LATITUDE 37°37'40" NORTH
LONGITUDE 84°41'30" WEST

DESIGNED

% RESTRICTED SD 60
LEVEL OF SERVICE C
MAX DISTANCE W/O PASSING

GROSS LENGTH ____ LIN FT ____ MILES
ADDED / DEDUCTED FOR EQUALITIES ____ LIN FT
NET LENGTH ____ LIN FT ____ MILES
NOT INCLUDED
RAILROAD CROSSINGS NO ____ LIN FT
BRIDGES ____ LIN FT

GROSS LENGTH ____ LIN FT ____ MILES
ADDED / ~~DEDUCTED~~ FOR EQUALITIES ____ LIN FT
NET LENGTH ____ LIN FT ____ MILES
NOT INCLUDED
RAILROAD CROSSINGS NO ____ LIN FT
BRIDGES ____ LIN FT

GROSS LENGTH ____ LIN FT ____ MILES
ADDED / DEDUCTED FOR EQUALITIES ____ LIN FT
NET LENGTH ____ LIN FT ____ MILES
NOT INCLUDED
RAILROAD CROSSINGS NO ____ LIN FT
BRIDGES ____ LIN FT

GROSS LENGTH ____ LIN FT ____ MILES
ADDED / DEDUCTED FOR EQUALITIES ____ LIN FT
NET LENGTH ____ LIN FT ____ MILES
NOT INCLUDED
RAILROAD CROSSINGS NO ____ LIN FT
BRIDGES ____ LIN FT

GROSS LENGTH ____ LIN FT ____ MILES
ADDED / DEDUCTED FOR EQUALITIES 0 LIN FT
NET LENGTH ____ LIN FT ____ MILES
NOT INCLUDED
RAILROAD CROSSINGS NO ____ LIN FT
BRIDGES ____ LIN FT

TOTAL PROJECT

GROSS LENGTH 8,165.5 LIN FT 1.546 MILES
ADDED / DEDUCTED FOR EQUALITIES ____ LIN FT
NET LENGTH 8,165.5 LIN FT 1.546 MILES
NOT INCLUDED
RAILROAD CROSSINGS NO ____ LIN FT
BRIDGES ____ LIN FT

KENTUCKY DEPARTMENT OF HIGHWAYS

GARRARD COUNTY

DANVILLE - CAMP DICK ROBINSON ROAD

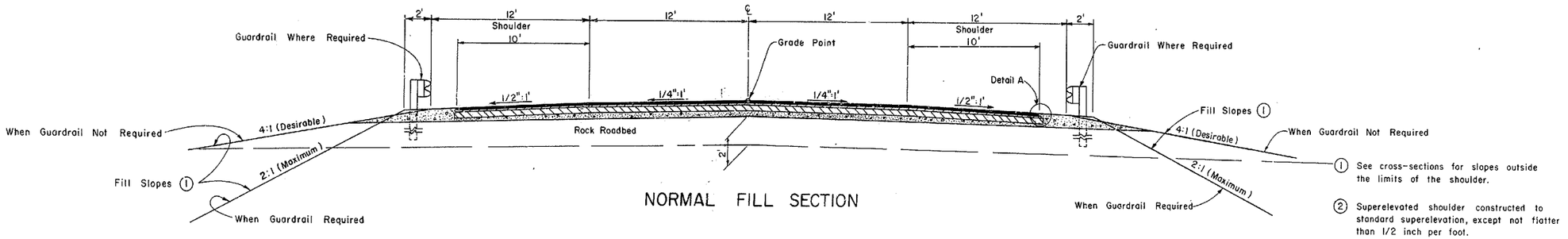
PROJECT F 34-1(6)
NUMBER FSP 040 0034 000-001 C
LETTING DATE 4-19-91

DESIGNED BY Nov. 10, 1989 BY A. B. Perkins
ABST. DISTRICT ENGINEER for PRE-CONSTRUCTION
APPROVED BY MARCH 6 1991 BY J. R. Cowett
DIRECTOR OF TRAFFIC
19 BY
PLAN CHECKED 3/7 1991 BY Eileen C. Dockery
CHIEF DRAFTSMAN
PLAN APPROVED 3/7 1991 BY Charles D. Lawmer
DIRECTOR OF DESIGN
PLAN APPROVED 3/8 1991 BY David L. Smith
STATE HIGHWAY ENGINEER

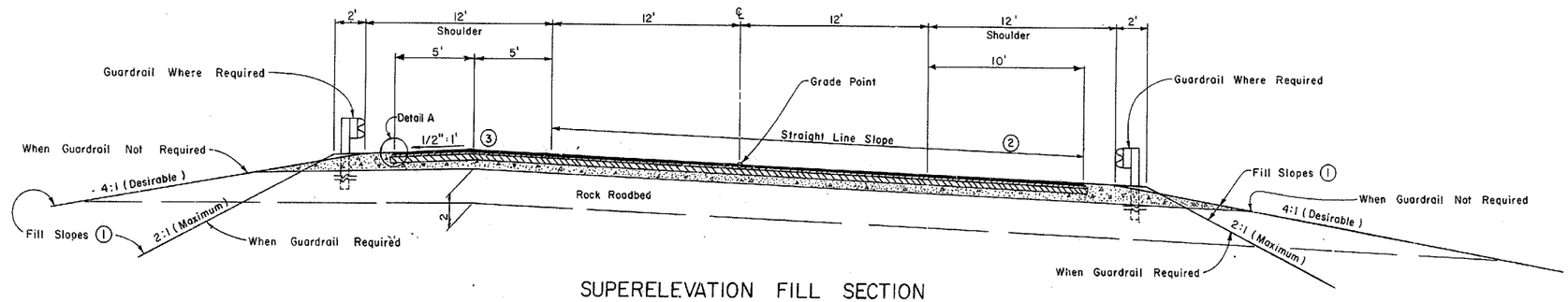
F 34-1(6)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
GARRARD		2	108

KY 34
TYPICAL SECTIONS



NORMAL FILL SECTION

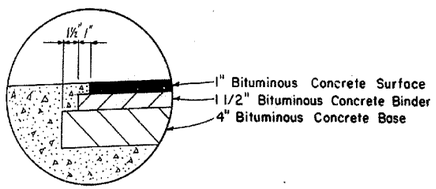


SUPERELEVATION FILL SECTION

(1) See cross-sections for slopes outside the limits of the shoulder.

(2) Superelevated shoulder constructed to standard superelevation, except not flatter than 1/2 inch per foot.

(3) The algebraic difference in rollover is not to exceed 8 %.



DETAIL "A"

NEW CONSTRUCTION
GRADE, DRAIN & FLEXIBLE PAVEMENT
—USING—

Approximately 8" Base —
- 4" ± Compacted Dense Graded Aggregate Base
- 4" ± Bituminous Concrete Base Class I

Approximately 1 1/2" Binder — Bituminous Concrete Binder Class I

Bituminous Tack Coat — (Apply as directed by the Engineer)

Approximate 1" Surface — Bituminous Concrete Surface Class I-20/30

AND WITH

Shoulder —
- Compacted Dense Graded Aggregate Base (as indicated)
- 4" Bituminous Concrete Base Class I
- 1 1/2" Bituminous Binder Class I
- Bituminous Tack Coat
- 1" Bituminous Concrete Surface Class I-0
- Bituminous Seal outside edge of paved Shoulder to 2' down the ditch or fill slope —
  - Emulsified Asphalt RS-2 (2.4 lb./s.y.) (2 Courses)
  - Bituminous Seal Aggregate (20 lb./s.y.) (2 Courses)

BRUNING 44-132 69827

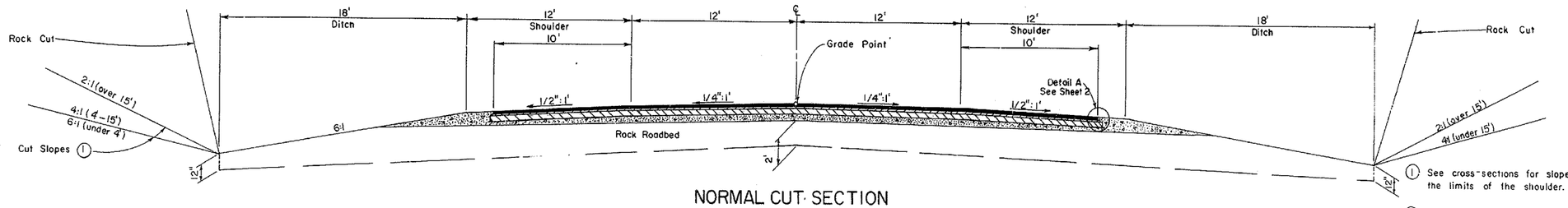
COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
GARRARD		2a	108

F 34-1(6)

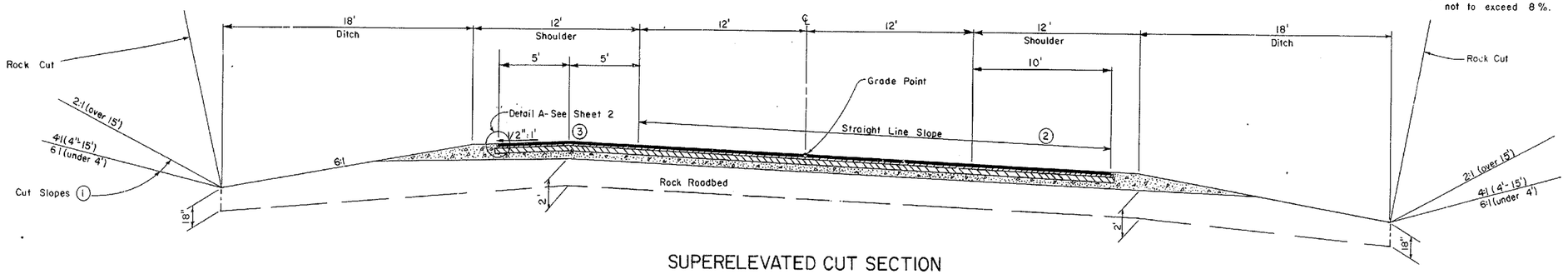
UPDATE DATE

LETTING DATE

KY 34
TYPICAL SECTIONS



NORMAL CUT SECTION



SUPERELEVATED CUT SECTION

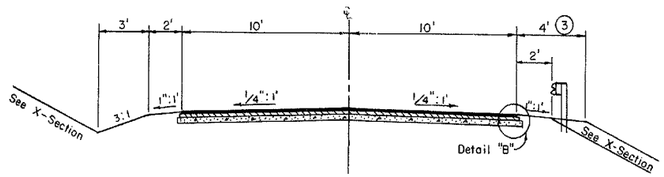
See Sheet 2 For Pavement Details

(1) See cross-sections for slopes outside the limits of the shoulder.

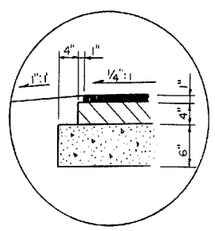
(2) Superelevated shoulder constructed to standard superelevation, except not flatter than 1/2 inch per foot.

(3) The algebraic difference in rollover is not to exceed 8 %.

TEMPORARY DETOUR



(3) When Guardrail required



DETAIL "B"

TEMPORARY CONSTRUCTION
- USING -

APPROXIMATELY 9" BASE — 6"+/- COMPACTED DEPTH DENSE GRADED AGGREGATED BASE
3"+/- COMPACTED DEPTH BITUMINOUS CONCRETE BASE CLASS I

BITUMINOUS TACK COAT — (APPLY AS DIRECTED BY THE ENGINEER)

APPROXIMATELY 1" SURFACE — 1"+/- COMPACTED DEPTH BITUMINOUS CONCRETE SURFACE CLASS I-O

DESIGNED BY ____ DATE ____ CHECKED BY ____ DATE ____ REVISED ____ DATE ____
DETAILED BY ____ DATE ____ CHECKED BY ____ DATE ____ REVISED ____ DATE ____
TRACED BY ____ DATE ____ CHECKED BY ____ DATE ____ REVISED ____ DATE ____

3

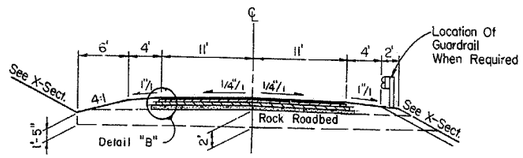
TYPICAL SECTIONS

F 34-1 (6)

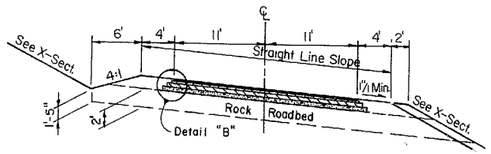
COUNTY OF	FISCAL YEAR	SHEET NO	TOTAL SHEETS
GARRARD		2b	108

TYPICAL SECTIONS

FISHER FORD ROAD

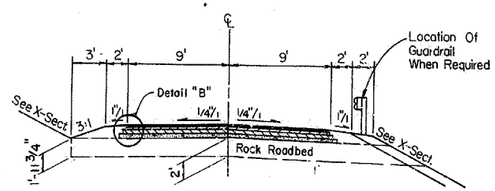


NORMAL

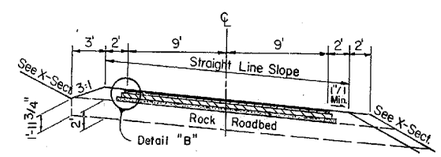


SUPERELEVATED

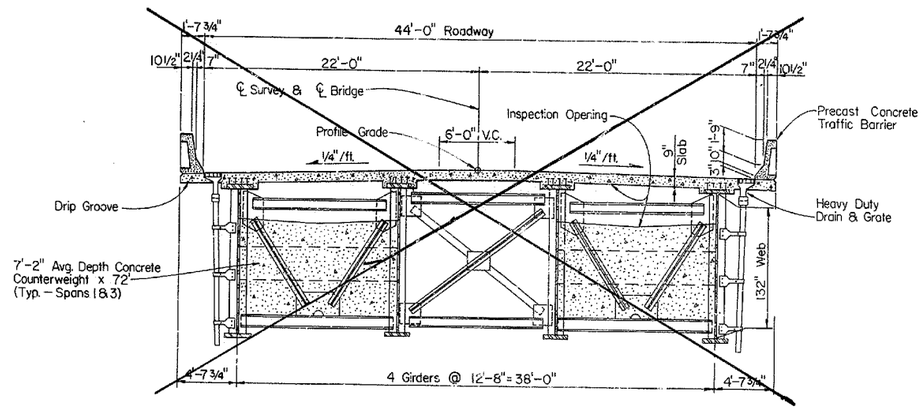
KINGS MILL ROAD



NORMAL

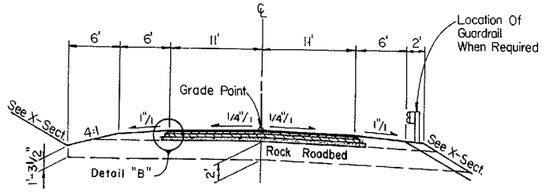


SUPERELEVATED

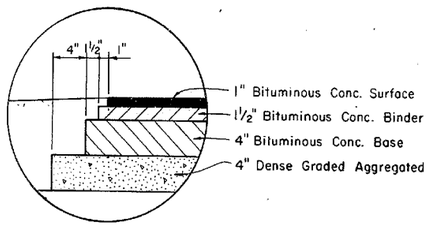


HERRINGTON LAKE BRIDGE

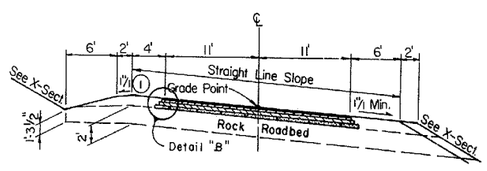
RELOCATED OLD KY. 34



NORMAL



DETAIL "B"



SUPERELEVATED

① The algebraic difference in rollover is not to exceed 8 %.

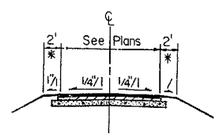
NEW CONSTRUCTION (GRADE, DRAIN & FLEXIBLE PAVEMENT)
–USING–

APPROXIMATELY 8" BASE — 4"± COMPACTED DENSE GRADED AGGREGATE BASE; 4"± BITUMINOUS CONCRETE BASE CLASS I

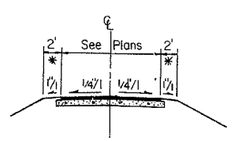
APPROXIMATELY 1 1/2" BINDER — BITUMINOUS CONCRETE BINDER CLASS I

BITUMINOUS TACK COAT — (APPLY AS DIRECTED BY THE ENGINEER)

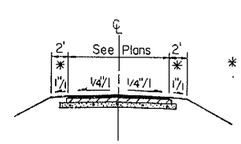
APPROXIMATELY 1" SURFACE — COMPACTED DEPTH BITUMINOUS CONCRETE SURFACE CLASS I-20/30



COMMERCIAL



RESIDENTIAL



* 4' with Guardrail

FIELD

NEW CONSTRUCTION (GRADE, DRAIN & FLEXIBLE PAVEMENT)
–USING–

APPROXIMATELY 8 1/2" BASE — 6" COMPACTED DEPTH DENSE GRADED AGGREGATE BASE; 2 1/2" COMPACTED DEPTH BITUMINOUS CONCRETE BASE CLASS I

APPROXIMATELY 1" SURFACE — COMPACTED DEPTH BITUMINOUS CONCRETE SURFACE CLASS I-O

APPROXIMATELY 4" BASE — COMPACTED DEPTH DENSE GRADED AGGREGATE BASE

APPROXIMATELY 2 1/2" SURFACE — COMPACTED DEPTH BITUMINOUS CONCRETE SURFACE CLASS I-O

APPROXIMATELY 6 1/2" BASE — 4" COMPACTED DEPTH DENSE GRADED AGGREGATE BASE; 2 1/2" COMPACTED DEPTH BITUMINOUS CONCRETE BASE CLASS I

APPROXIMATELY 1" SURFACE — COMPACTED DEPTH BITUMINOUS CONCRETE SURFACE CLASS I-O

TELEDYNE YOST 7-13-73 FORM NO. 2

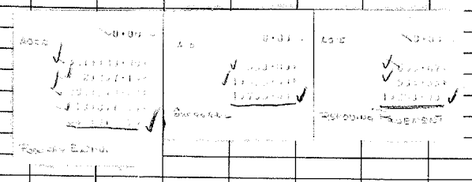
F 34-1(6)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
GARRARD		2c	108

GENERAL SUMMARY

ITEM CODE	ITEM	UNIT	STA. 134+59.50 TO STA. 147+09	UNDER CUT AREA STA 142+00 TO STA 146+25 SEE Misc Book Page 19		STA. 147+09 TO STA. 216+25		EXCESSIVE ROCK REMOVAL SEE MISC BOOK PAGE 44	TOTAL PROJECT	FINAL CORRECTIONS	
2091	REMOVING PAVEMENT	SQ. YD.		✓	A005	~~1,274~~			~~1,274~~	1250	✓
2200	ROADWAY EXCAVATION	CU. YD.	341,180	220719	A006	295,579 ②		10847.44	~~636,759~~	6688.14	(1) ✓
2351	GUARDRAIL STEEL W BEAM SINGLE FACE	LIN. FT.	~~425~~ 356		A010	~~2,150~~ 1705			~~2,575~~	1705	✓
2360	GUARDRAIL TERMINAL SECTION NO. 1	EACH			A011	7 5			7	5	✓
2369	GUARDRAIL END TREATMENT TYPE 2A	EACH	2		A012				2	✓	✓
2370	GUARDRAIL END TREATMENT TYPE 4	EACH			A013	1			1	✓	✓
2363	GUARDRAIL CONNECTOR TO BRIDGE END TYPE A	EACH	2		A014				2	✓	✓
2651	DETOUR CONSTRUCTION	L.P. SUM			A004				L.P. SUM	✓	✓
2434	RIGHT OF WAY MARKER RURAL TYPE I	EACH	8 ✓		A016	50 ✓			58	✓	✓
2483	CHANNEL LINING CLASS II	TON			A017	~~396~~ 267.1			~~396~~	267.1 ✓	✓
2545	CLEARING AND GRUBBING (1)	L.P. SUM			A001				L.P. SUM	✓	✓
2568	MOBILIZATION	L.P. SUM			A041				L.P. SUM	✓	✓
2569	DEMOBILIZATION	L.P. SUM			A045				L.P. SUM	✓	✓
2650	MAINTAIN AND CONTROL TRAFFIC	L.P. SUM			A007				L.P. SUM	✓	✓
2703	SILT TRAP TYPE A	EACH			A018	2			2	✓	✓
2705	SILT CHECK	EACH			A019	~~53~~ 16			53	~~70~~ 16 ✓	✓
2726	STAKING	L.P. SUM			A002				L.P. SUM	✓	✓
5960	FERTILIZER 10-20-20	TON			A026				~~12.5~~	6.5 ✓	✓
5966	FERTILIZER 20-10-10	TON			A027				5.1	N/A	✓
5986	SEEDING AND PROTECTION METHOD 2	SQ. YD.			A022				~~98,767~~	62 493 ✓	✓
5989	SPECIAL SEEDING CROWN VETCH	LB.			A023				~~87~~	69.0 ✓	✓
5990	SODDING	SQ. YD.			A024				~~1,317~~	NONE ✓	✓
5992	AGRICULTURAL LIMESTONE	TON			A025				~~68.2~~	42.2 ✓	✓
5956	CORRECTIVE SEEDING	LB.			A028				90	N/A	✓
5980	CORRECTIVE SEEDING STRAW	TON			A029				2.0	N/A	✓
5953	TEMPORARY EROSION CONTROL MULCH	TON			A030				2.0	N/A	✓
5954	TEMPORARY EROSION CONTROL SEED	LB.			A031				115	N/A	✓
5955	TEMPORARY EROSION CONTROL BITUMINOUS MATERIAL	GAL.			A032				205	N/A	✓

(1) Adjustment - Yardage [illegible] Sta. 134+00 to Sta. 147+09 Rt. & Lt. SEE Misc Book Page 19 + Approach + Aprons



NOTES:

(1) APPROXIMATELY 35.78 ACRES.

(2) INCLUDES 683 Cu. Yd. FOR SURFACE DITCH.

TOTAL PROJECT EARTHWORK CALCULATIONS

135892	CU. YD.	COMMON
500184	CU. YD.	SOLID ROCK
75028		15% SWELL ON 500184 CU. YD.
711104		
587100	CU. YD.	WASTE
124004		

48836	CU. YD.	EMBANKMENT
54501	CU. YD.	ROCK ROADBED
20667		20% SHR. ON 103337 CU. YD.
124004		

0.00 +

341,180.00 +

295,579.00 +

636,759.00 =

0.00 *

345 - 1980

DATE 5-10-72
FORM NO. 2B

5

GENERAL SUMMARY

F 34-1(6)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
GARRARD		2d	108

PIPE DRAINAGE SUMMARY

SHEET NO.		SKEW	CULVERT PIPE 18" RCP CLASS III OR 16 GAGE BCCSP or BCCAP	CULVERT PIPE 36" RCP CLASS III OR 12 GAGE BCCSP or BCCAP	CULVERT PIPE 48" RCP CLASS III OR 12 GAGE BCCSP or BCCAP	CULVERT PIPE 78" (1) RCP CLASS III OR 8 GAGE BCCSP or BCCAP	A020 18" SLOPED AND FLARED INLET-OUTLET	A021 36" SLOPED AND FLARED INLET-OUTLET	A024 CLASS A CONCRETE	A025 STEEL REINFORCEMENT	ENTRANCE PIPE 15" A033 RCP CLASS III or 16 GAGE CSP 14 GAGE CAP	PERFORATED PIPE 8" A038 SEE STD-DRWG RDP-001 FOR PERMISSABLE ALTERNATES	NON-PERF PIPE 8" A037 SAME AS PERFORATED	REMARKS
ITEM CODE			462	468	470	475	1450	1453	8100	8150	440	1002	1012	
UNIT TO BID ON			LINEAR FOOT				EACH		CU. YD.	LB.	LINEAR FOOT			
35	49+40 OLD KY 34	0°	~~60~~ 75				2							
35	50+60 FISHER RD.	0°	~~64~~ 63			~~96~~ 96	2							
32	180+50	0°		~~72~~ 72	~~96~~ 96				6.53	496				
33	195+00	0°						2						2-Culv. Headwalls
34	213+10	39° 31°LT				116			33.37	2,761				2-Culv. Headwalls
	SUB- TOTAL		~~135~~ 124	~~72~~ 72	~~96~~ 96	116	4	2	39.90	3,257	~~512~~ 456			
	SUB- TOTAL								0.43			80	10	1-8" Perf. Hdwl (2:1)
TOTAL PROJECT			~~195~~ 124	~~120~~ 72	~~96~~ 96	116	4	2	40.33	3257	~~512~~ 456	80	10	
			SEE PIPE pg. 28	SEE PIPE pg. 29	SEE PIPE pg. 30	SEE PIPE pg. 31	SEE PIPE pg. 26	SEE PIPE pg. 27	SEE PIPE pg. 21	SEE PIPE pg. 22	SEE PIPE pg. 27	SEE PIPE pg. 23	SEE PIPE pg. 24	

000 A020	0.00 *
	~~73.00+~~ 62.00+
002	135.00
000 A038	0.00 *
	70.00+
001	70.00
000 A036	0.00 *
	~~94.00+~~ 96
001	~~94.00~~ 96 *
000 A037	0.00 *
	116.00
001	116.00 *
000 A020	0.00 *
	2.00+
	2.00+
002	4.00
000 A021	0.00 *
	2.00+
001	2.00 *
000 A024	0.00 *
	6.53+
	33.37+
	0.43+
003	40.33 *
000 A025	0.00 *
	496.00+
	2,761.00+
002	3,257.00 *
000 A038	0.00 *
	456.00+
001	456.00 *
000 A039	0.00 *
	80.00+
001	80.00 *
000 A037	0.00 *
	10.00
001	10.00 *
000	0.00 *

(1) CORRUGATED STEEL AND ALUMINUM ALLOY PIPE FABRICATED WITH 5% VERTICAL ELONGATION.

DATE: 5-15-85
FORM NO. 2A

F 34-1 (6)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
GARRARD		2e	108

PAVING AREAS

ITEM			MAINLINE	OLD KY. 34	FISHER FORD RD.	KINGS MILL RD.	ENTRANCES	DETOUR										TOTAL PROJECT
			SQUARE YARDS															
4" D.G.A. BASE	A04		24682	2258	962	1136	2036											31074
6" D.G.A. BASE	A041						393	12806										13199
2 1/2" BITUMINOUS CONCRETE BASE CLASS I	A042						2177											2177
3" BITUMINOUS CONCRETE BASE CLASS I	A042							12496										12496
4" BITUMINOUS CONCRETE BASE CLASS I	A04-		43220①	2195	936	1113												47464
1 1/2" BITUMINOUS CONCRETE BINDER CLASS I	A043		42993①	2172	926	1099												47190
BITUMINOUS TACK COAT	A03-		86440①	4390	1872	2226	1925	12496										109349
1" BITUMINOUS CONCRETE SURFACE CLASS I-20/30	A044		24774	2156	920	1089												28939
2 1/2" BITUMINOUS CONCRETE SURFACE CLASS I-O	A045						252											252
BITUMINOUS SEAL	A040		4301															4301
1" BITUMINOUS CONCRETE SURFACE CLASS I-O	A045		18068②				2177	12393										32638

① Includes Paved Shoulders.

② For Shoulders

GEORGE MARR CO.
DATE: 7-15-86
FORM NO. 2D

VENDORS NAME
DATE: 7-15-86
FORM NO. 2C

PAVING SUMMARY

ITEM CODE	ITEM	UNIT					TOTAL PROJECT
251	~~BIT CONC SURFACE CLASS A~~	TON					
252	~~BIT CONC SURFACE CLASS K~~	TON					
154	BIT CONC SURFACE CLASS I-20/30	TON			✓	2588.2	~~1592~~
149	BIT CONC SURFACE CLASS I-0	TON			✓	1771.9 ⑤	~~1830~~
	~~- AND -~~						
	~~- EITHER -~~						
130	BIT CONC BINDER CLASS I	TON			✓	4231.4	~~3893~~ ✓
	~~- OR -~~						
133	~~BIT CONC BINDER CLASS S~~	TON					
190	~~BIT MIX FOR LEVELING & WEDGING~~	TON					
	~~- AND -~~						
	~~- EITHER -~~						
120	BIT CONC BASE CLASS I	TON					~~12,804~~ ✓
	~~- OR -~~						
202	~~BIT CONC BASE CLASS S~~	TON			8.17% ✓ 8.87% ✓	10340.31 12333.21	12,804.2
	~~- AND -~~						
	~~- EITHER -~~						
1	D G A BASE ① ④	TON				⑥	24,085 ✓ ~~23,520.40~~
	~~- OR -~~						
201	~~GR SAND/ST BASE PLT MIX CEM TR~~ ③	TON					
	~~- AND -~~						
2542	~~PORTLAND CEMENT~~	TON					
	~~- AND -~~						
358	~~BITUMINOUS CURING SEAL~~	TON					
	~~- AND -~~						
2702	~~SAND FOR BLOTTER~~	TON					
100	BITUMINOUS SEAL AGGREGATE	TON			✓	165.1	~~43~~ ✓
356	BITUMINOUS MATERIAL FOR TACK	TON			✓	~~215~~ 175.0	~~218~~ 21.5
291	EMULSIFIED ASPHALT RS-2	TON				✓	11.0 ~~52~~ ✓
296	~~CUTBACK ASPHALT EMUL PRIMER L~~	TON					
20	~~TRAFFIC BOUND BASE~~ ②	TON					
270	ANTI-STRIP ADD PER TON BIT MIX	EACH					

NOTES

ALL BITUMINOUS CONCRETE MIXTURES SHALL BE ESTIMATED AT 110 LBS. PER SQ. YD. PER INCH OF DEPTH, UNLESS NOTED OTHERWISE.

① ESTIMATED AT 115 LBS. PER SQ. YD. PER INCH OF DEPTH.

② ESTIMATED AT 100 LBS. PER SQ. YD. PER INCH OF DEPTH.

③ ESTIMATED AT 110 LBS. PER SQ. YD. PER INCH OF DEPTH.

④ INCLUDES 10% ADDITIONAL MATERIAL IN THE BOTTOM 4" OF THE PAVEMENT DESIGN AS A CONSTRUCTION TOLERANCE ON ROCK SUBGRADE.

⑤ INCLUDES 994 TONS FOR SHOULDERS

⑥ INCLUDES 12384 TONS FOR SHOULDERS

22522.42

PAVING SUMMARY

F 34-1 (6)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
GARRARD		2f	108

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
GARRARD		28	108

F 34-1 (6)

GENERAL NOTES

PROPOSAL ATTACHMENTS

SPECIAL NOTE FOR CORRUGATED POLYETHYLENE ENTRANCE PIPE (9-16-88)

SPECIAL NOTES FOR GARRARD COUNTY F 34-1 (6)

SPECIAL NOTE FOR PORTLAND CEMENT CONCRETE WITH FLY ASH (12-11-87)

SPECIAL NOTE FOR SIGN AND DELINEATOR POSTS (7-6-88)

SPECIAL NOTE FOR ROCK ROADBED (8-30-89)

SPECIAL NOTE FOR AGRICULTURAL LIMESTONE (5-21-90)

SPECIAL NOTE FOR POLISH RESISTANT AGGREGATE REQUIREMENTS (1-22-91)

SPECIAL NOTE FOR ASPHALT CEMENT QUANTITY WHEN LABORATORY MIX DESIGN IS NOT REQUIRED (12-5-90)

SPECIAL NOTE FOR CRUSHED STONE BASE (2-2-89)

SPECIAL PROVISIONS

38J	(88)	BUY AMERICA
39E	(88)	GEOTEXTILE FABRICS
46J	(88)	PRICE ADJUSTMENT FOR PETROLEUM PRODUCTS
58A	(88)	HISTORIC PRESERVATION -- BORROW SITES
67D	(88)	ACCEPTANCE OF NON-SPECIFICATION BITUMINOUS MATERIALS AND MIXTURES
81A	(88)	PORTLAND CEMENT CONCRETE AND STRUCTURES
86	(88)	WEIGHING MATERIALS

THE CONTROL OF ACCESS ON THIS PROJECT SHALL BE BY PERMIT.

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.G.S. BENCH MARKS

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

BEFORE YOU DIG

THE CONTRACTOR IS ADVISED THAT HE CAN CALL 1-800-752-6007 TOLL FREE A MINIMUM OF 24 HOURS PRIOR TO EXCAVATION FOR INFORMATION ON THE LOCATION OF EXISTING UNDERGROUND UTILITIES, EXCEPT FOR THE COUNTIES OF GALLATIN, GRANT, PENDLETON, BOONE, KENTON AND CAMPBELL. FOR THESE COUNTIES, THE NUMBER TO CALL COLLECT IS (606) 397-4664.

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.

TRAFFIC NOTE

SEE PROPOSAL FOR MAINTENANCE OF TRAFFIC NOTES.

TRAFFIC CONTROL ITEMS

UNLESS OTHERWISE DIRECTED, ALL SALVAGABLE 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 NATIONWIDE PERMIT). THE PERMITS ARE ASSEMBLED IN THE CONTRACT BID PROPOSAL DOCUMENT. THE CONTRACTOR SHALL PERFORM THE APPLICABLE WORK IN COMPLIANCE WITH THESE PERMITS. HE SHALL POST 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 USED 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, COFFERDAMS AND SIMILAR PURPOSES.

NOTICE - CAUTION - CLASSIFICATION

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 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 EXCAVATION OR THE QUANTITY OF EITHER ROCK, EARTH OR ANY OTHER MATERIAL INVOLVED. THE BIDDER MUST DRAW 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 ROADBED NOTE

THE ENTIRE ROADBED INDICATED ON THE TYPICAL SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 204.10.01 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 MATERIAL

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

BITUMINOUS MATERIAL FOR TACK

BITUMINOUS MATERIAL FOR TACK IS ESTIMATED AT 0.4 LB./SQ. YD. FOR EACH COURSE. SEE SECTION 407 OF THE STANDARD SPECIFICATIONS FOR RATES OF APPLICATION.

PAVED SHOULDERS AT INTERSECTING ROADS

THE SHOULDERS ON THIS PROJECT WITHIN THE LIMITS SHOWN ON THE CURRENT EDITION OF STANDARD DRAWING RPM-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.

STANDARD DRAWINGS FOR HEADWALLS

STANDARD DRAWINGS FOR HEADWALLS (RDH . 'RIES) ARE NOT ATTACHED TO THESE PLANS BUT ARE AVAILABLE IN THE SUPPLEMENT . THE STANDARD DRAWING 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 TYPE 4

THE WIDENING OF THE EMBANKMENT TO ACCOMMODATE TYPE 4 END TREATMENTS CONSTRUCTED IN ACCORDANCE WITH APPLICABLE PLANS AND STANDARD DRAWINGS SHALL BE COMPLETED WITH ROADWAY EXCAVATION AS SHOWN IN PLANS AND/OR PROPOSAL.

DETOUR CONSTRUCTION

CONTRARY TO SUBSECTION 104.04.01 OF THE STANDARD SPECIFICATIONS, THE LUMP SUM BID FOR "DETOUR CONSTRUCTION" SHALL INCLUDE ALL GRADING AND NECESSARY DRAINAGE FOR THE TEMPORARY ROADWAY AND REMOVAL THEREOF WHEN IT IS NO LONGER NEEDED.

F 34-1(6)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
GARRARD		3	108

STANDARD SYMBOLS

Survey Line	
Grade Line	400'VC
Ground Line	
Corporate Limits	
Property Line	PL
Proposed Right Of Way	R/W
Right Of Way Markers	
Bench Mark	BM ⊗ No 4
Existing Road	
Railroad	
Fence (Controlled Access)	
Fence (Except Stone and Hedge)	
Stone Fence	
Hedge Fence	
Trees	
Pipe Culvert	
Culvert	
Bridge	

Buildings	1-S FRAME, 1-S BRICK, SHED, 2-S BRICK
Guardrail	
Stream	
Intermittent Stream	
Lakes or Ponds	
North Point	
Swamp or Marsh	
Springs	
Sink Hole	
Quarry Site	
Silt Check	©
Silt Trap (Show Type A or B)	Ⓐ

	EXISTING	PROPOSED
Lighting Pole		
Power Pole		
Joint Power and Telephone Pole		
Telephone or Telegraph Pole		
Anchor, Power or Telephone		
Stub Power		
Stub Telephone		
Water Main	6"WM	6"WM
Gas Main	6"GM	6"GM
Telephone Duct	TP4MTD	TP4MTD
Electric Duct	EL4MTD	EL4MTD
Telephone Manhole	TMH	TMH
Electric Manhole	EMH	EMH
Sanitary Sewer	54"SAN	54"SAN
Storm Sewer	54"STORM	54"STORM
Sewer Manhole		
Direct Burial Electric Cable	E	E
Direct Burial Telephone Cable	T	T
Tower		

F 34-1(6)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
GARRARD		4	108

Lt. Sta. 123+50 - 124+00 Constr. Special "V" Ditch & 29 Tons Class II Channel Lining at 1' Depth

Lt. Sta. 125+00 Constr. 12' Field Entrance & 52 L.F. 15" Entrance Pipe (28.2 Tons DGA, 16.8 Tons Bit. Conc. Base, 6.7 Tons Bit. Conc. Surface)

Lt. Sta. 125 + 65 Const. 6 Tons Class II Channel Lining at Pipe Outlet

Lt. Sta. 124+00 - 128+75 Constr. 2' F.B. Surface Ditch

Lt. Sta. 125+20 - 128+03 Constr. 300 L.F. Steel "W" Beam Guardrail (Single Face), 1 - Guardrail Terminal Section No. 1 & 1 - Guardrail Connector to Bridge End Type A

Sta. 124+00 Constr. 80 L.F. 8" Perf. Pipe, 10 L.F. 8" Non. Perf. Pipe & 1 - Perf. Pipe Headwall (3:1)

Lt. Sta. 128+75 - 129+40 Constr. 2' F.B. Surface Ditch & 46 Tons Class II Channel Lining at 1' Depth

Sta. 131 + 41.0 Construct 125'-380'-125' Cont. Welded Plate Girder Bridge (BY OTHERS)

Lt. Sta. 134+78.50 - 135+00 Constr. 21.5 L.F. Steel "W" Beam Guardrail (Single Face) & 1 - Guardrail Connector to Bridge End Type A

STA. 134+59.50 BEGIN CONSTRUCTION

Lt. Sta. 133+95 - 135+00 Constr. 2' F.B. Surface Ditch & 97 Tons Class IV Channel Lining at 1' Depth

EUGENE POLLARD
NORMA POLLARD (WF.)

KENTUCKY UTILITIES COMPANY

EDWARD J. CAMPBELL
NELLIE P. CAMPBELL (WF.)

ESTATE OF FREEMAN KEYES

HERRINGTON LAKE

ROBERT C. RUSSELL
KATHLEEN C. RUSSELL

ORIGIN OF LEVELS

BRASS DISK SET IN CONCRETE AT CORNER WATERWORKS ROAD AND KY 34 38' N.W. OF INTERSECTION ELEV. 877.06

UTILITY OWNERS

KENTUCKY UTILITIES COMPANY
ONE QUALITY STREET
LEXINGTON, KY. 40507

INTER COUNTY RURAL ELECTRIC (606/236-4561)
COOPERATIVE CORPORATION
BOX 87
HOUSTONVILLE ROAD
DANVILLE, KY. 40422

GENERAL TELEPHONE
3725 NICHOLASVILLE ROAD
LEXINGTON, KY. 40503

GARRARD COUNTY WATER ASSOCIATION
210 STANFORD STREET
LANCASTER, KY. 40444
PH.(606/792-4501)

BM NO. 12
RR SPIKE IN PP
41' RT. STA. 120+46
ELEV. 819.65

Rt. Sta. 120+00 - 121+50 Constr. Special "V" Ditch Rt.

Rt. Sta. 124+00 - 124+80 Constr. 2' F.B. Surface Ditch

Rt. Sta. 124 + 80 - 125 + 50 Constr. Special "V" Ditch & 35 S.Y. Sodding at 1' Depth

Rt. Sta. 125+00 Constr. 12' Field Entrance & 28 L.F. 15" Entrance Pipe (28.2 Tons DGA, 16.8 Tons Bit. Conc. Base, 6.7 Tons Bit. Conc. Surface)

Rt. Sta. 123+50 - 124+00 Constr. Special "V" Ditch & 29 Tons Class II Channel Lining at 1' Depth

Rt. Sta. 125+20 - 128+03 Constr. 300 L.F. Steel "W" Beam Guardrail (Single Face), 1 - Guardrail Terminal Section No. 1 & 1 - Guardrail Connector to Bridge End Type A

Rt. Sta. 124 + 80 Constr. 6 Tons Class II Channel Lining at pipe inlet

Rt. Sta. 126+50 - 126+50 Constr. Special "V" Ditch

Rt. Sta. 133 + 60 - 135 + 00 Constr. 4' F.B. Surface Ditch & 160 Tons Class IV Channel Lining at 1' Depth

BM NO. 15
RR SPIKE IN 10" TREE
12' LT STA. 128+70
ELEV. 784.43

BM NO. 17
CHISLED ON CONCRETE PULLEY STAND
75' LT. STA. 133+20
ELEV. 735.21

SHEET TOTALS
BRIDGE REPLACEMENT
STA. 134+59.5 to STA. 135+00
Rock Rdbd 236

Scale 1" = 50'

Rt. Sta. 134+78.5 - 135+00 Constr. 21.5 L.F. Steel "W" Beam Guardrail (Single Face), & 1 - Guardrail Connector to Bridge End Type A

Sta. 135 + 00 Constr. 80 L.F. 8" Perf. Pipe, 10 L.F. 8" Non Perf. Pipe & 1 - Perf. Pipe Headwall (2:1)

KENTUCKY DEPARTMENT OF HIGHWAYS

COUNTY OF GARRARD

PROJECT NUMBERS F 34-1(6) FSP 040 0034 000-001

April 10 1990 BY A. L. Perkins
Asst. Dist. Engineer For Pre. Const.

STA. 120+00 TO STA. 135+00

DIETZGEN 7-13-73 FORM NO. 2

AF 3572BD

COUNTY OF	FISCAL YEAR	SHEET NO	TOTAL SHEETS
GARRARD		5	10?

F 34-1(6)

STA. 134+59.50
BEGIN CONSTRUCTION

Low wire Elev. 831.0

Sta. 129+33.60 Begin Construction (Bridge Replacement Section)

Sta. 123+60 End Full Depth Excavation

Sta. 130+43.60 Begin Full Depth Excavation

Sta. 131+11 Center 125' Radii 425' W.S.P. Spoke (By Others)

Existing Ground

Rock Grade

Rvt. Sta. 134+50 ELEV. 806.59

Design Flood Elevation
Design Flood Discharge (cfs)
Design Flood Frequency (yrs)
Basic Flood Elevation
Basic Flood Discharge (cfs)
Basic Flood Frequency (yrs)

Equation St. 126+43.2 Back = Equation St. 126+00 Ahead

8" Perf. Pipe

Winter Rail Elev. 715.0

Maximum Pool Elev. 760.0

Summer Rail Elev. 745.0

Superelevation Transition

KENTUCKY
DEPARTMENT OF HIGHWAYS
COUNTY OF
BOYLE-GARRARD

PROJECT NUMBERS: F 34 1(6); FSP 040 0034 000-001

April 10, 1990 BY C. L. Perkins
Asst. Dist. Engineer For Pre-Const.

SCALE: 1"=50' HOR.
1"=5' VERT.

FINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS CHECKED, NOTE BOOK, NO., BY, DATE

ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS CHECKED, NOTE BOOK, NO., BY, DATE

DIETZGEN 8-77 FORM NO. 6

12

F 34-1(6)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
GARRARD		6	108

135 140 145 150

Lt. Sta. 135+00 - 136+91 Constr.
191 L.F. Steel "W" Beam Guardrail
(Sincle Face) & 1-Guardrail End
Treatment Type 2A (W= 18', L= 212.5')

CURVE DATA
P.I. 139+87.35
Δ 35°53'20" LT.
C 5°15'
Ts 504.45'
Ls 300.00'
Lc 383.60'
θs 7°52'30"
L.T. 200.20'
S.T. 100.18'
R 1091.35'
Es 59.41'
e 0.10%
R off 300'
R out 62.40'

N

T.S. 134+82.90

Sta. 135+50 Begin Grade, Drain & Surfacing

14' Shoulder (10' Paved)

20.3% 12'

+00 75

WIRE FENCE

PROP R/W

S.C. 137+82.90

25:1

+00 95

WOODS

N 31° 37' 27" E 322.77'

N 35° 46' 51" E

BOARD FENCE

Prop. R/W

Rt. Sta. 135+50-141+00 Constr.
Sp. 4' F.B. Roadway Ditch

153.5 Lt. Sta. 135+00 - 136+91 Constr.
~~191~~ L.F. Steel "W" Beam Guardrail
(Single Face) & 1-Guardrail End
Treatment Type 2A (W= 18', L= 212.5')

+00 110

TREE LINE

N 32° 54' 10" E 223.53'

+00 135

N 22° 32' 57" E 108.57'

+50 150

N 03° 33' 46" E 312.52'

+50 110

N 10° 22' 10" E 600.02' Prop. R/W

+00 175

24" Ø 15" Elm

24" Elm

Ø 12" 114.60' Cedar

Ø 12" Cedar Ø 24" Cedar

Ø 36" Elm

BM No. 17A2

15" Elm

Ø 12" Cedar

24" Ø Cedar

24" Cedar

OPEN FIELD

N 30° 37' 36" E

C.S. 141+66.50

+50 110

N 14° 27' 27" E 722.96'

S.T. 144+66.50

+65 110

OPEN FIELD

+00 80

N 6° 04' 40" E 300.67' Prop. R/W

BOARD FENCE

APPROX. THROAT OF VERY LARGE SINK HOLE

N 9° 53' 31" E

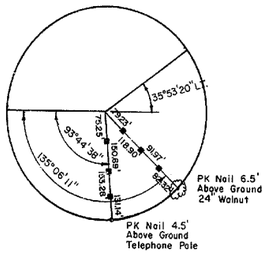
WOODS

OPEN FIELD

P.I. 139+87.35

P 10

ESTATE OF FREEMAN KEYES



P.I. 139+87.35

BM No. 17A2
PK NAIL IN ROOT NORTH SIDE
20' TREE 7' RT. STA. 139+27
ELEV. 882.47

BM No. 17A3

BM NO. 17A3
R.R. SPIKE IN TELEPHONE POLE
500' RT. STA. 145+40
ELEV. 923.02

SHEET TOTALS
BRIDGE REPLACEMENT
STA. 135+00 to STA. 147+09

Com	34,650
S R	306,530
Rock Rdbd	7,685

SHEET TOTALS
WIDENING
Sta. 147+09 to Sta. 150+00

Com	9,343	C.Y.
S R	45,168	C.Y.
Emb	0	C.Y.
Rock Roadbed	1,958	C.Y.

Scale: 1" = 50'

13

DIETZGEN 7-13-73 FORM NO. 2

STA. 135+00 TO STA. 150+00

F 34-1(6)

GARRARD		7	108

900
890
880
870
860
850
840
830
820
810

+49.90
+12.30
+49.90
+66.50
+04.10
+66.50
+28.90
+87.50
.0208'/'
10'/'
Rt. Edge Pvmt.
Profile Grade
Lt. Edge Pvmt.
Existing Ground
Superelevation Transition

600' V.C.
714' N.P.S.D.
+400%
Profile Grade
+0.49983
P.V.I. Sta. 138+00
ELEV. 813.50

812.00 812.32 | 825.5 812.79 | 836.3 812.41 | 839.8 812.17 | 850.6 815.07 | 861.1 816.13 | 871.0 817.32 | 879.5 818.87 | 885 820.86 | 890.3 821.79 | 895.4 823.57 | 899.3 825.50 | 902.2 827.50 | 904.9 829.50 | 905.0 831.50 | 906.4 833.50 | 906.6 835.50 | 905.4 837.50 | 903.0 839.50 | 898.3 841.50 | 895.2 843.50 | 890.1 845.50 | 885.2 847.50 | 876.7 849.50 | 864.8 851.50

890.5 853.50 | 894.4 855.50 | 897.5 857.50 | 900.3 859.50 | 902.9 861.50

SCALE: 1"=50' HOR.
1"=5' VERT.

135 6 7 8 9 140 1 2 3 4 145 6 7 8 9 150

14

F 34-1(6)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
GARRARD		8	108

150

155

165

PK Nail 4.5' Above Ground 42" Sycamore

152°42'56"

66°16'34"

53°46'18"

PK Nail 3.5' Above Ground 12" Quintuple Birch

P.I. 161+5

Lt. Sta. 152+55 – 154+55 Transition Pavement 12' to 16'

Lt. Sta. 154+55 – 158+55 Transition Pavement 16' to 20'

KINGSMILL ROAD CURVE DATA

P.I.=52+19.62
Δ = 2°16'24" LT.
C = 2°00'
T = 56.84'
L = 113.67'
R = 2864.79
E = 0.56'
e = N.C.
Runout = 50'
Runoff = 50'

Lt. Sta. 52+00 King Mill Road Constr. 12' Field Entrance & 28 L.F. 15" Entrance Pipe (27.7 Tons DGA, 16.5 Tons Bit. Conc. Base, 6.6 Tons Bit. Conc. Surface)

FISHER FORD ROAD CURVE DATA

P.I. = 51+00.00
Δ = 12°02'24" LT.
C = 10°00'
T = 60.42'
L = 120.40'
R = 572.96'
E = 3.18'
e = R.C.

STA. 55+00 KINGS MILL ROAD-END CONSTR.

ROBERT L. RANKIN

P 12

1 1/2 STORY FRAME RES.

OVERHEAD ELEC.

WOOD SHED

UNDERGROUND CELLAR

P.I. 161+58.78

1-STORY WOOD BARN

℄ FISHER FORD ROAD (Design Speed 35 MPH)

BOARD FENCE

STONE WALL

℄ KINGS MILL ROAD (Design Speed 35 MPH)

Arc=332.81' Rad=736.20' Chord N46°26'01"E 329.98'

CONC. STEPS

PROPANE TANK

GRAVEL DRIVE

OVERHEAD ELEC. Prop. R/W

N33°01'14"E 351.27'

APPROX. THROAT OF SINKHOLE

WIRE FENCE

CORN SILO

CONC. WATER PUMP

STA. 53+00 FISHER FORD ROAD-END CONSTRUCTION

N66°16'45"W 50.99'

OVERHEAD ELEC.

OVERHEAD TELE.

STA. 52+33.68 FISHER FORD RD. = STA. 50+00 KINGS MILL RD.

P 11

NELL POINDEXTER

Temporary Easement For Building Removal

FRAME SHED

1 1/2 STORY FRAME RES.

CONC. STEP

CONC. BASIN

6" MAT DRIVE

Exist. R/W

Prop. R/W

N18°58'27"E 154.03'

N18°58'27"E 268.44'

OPEN FIELD

12' Shoulder (10' Paved)

N9°53'31"E

N32°08'26"E 299.76'

GRAVEL DRIVE

TREE LINE

Flush Median

Painted Median By Others

WIRE FENCE

N11°20'59"E 400.88'

N4°10'53"E 301.43'

N11°25'45"E 198.83'

Prop. R/W

Rt. Sta. 154+55 – 158+55 Transition Pavement 12' to 20'

T.S. 154+26.2

N86°14'59"W 169.70'

N23°11'36"E 202.16'

N26°16'31"E 28.47'

N1°48'39"E 10.13'

N86°14'59"W 11.16'

S.C. 157+28.21

Construction Easement For Entrance

WOODS

N29°02'25"E 169.74'

N11°17'20"E 108.86'

WIRE FENCE

Exist. R/W

SCB #6

SCB #7

SCB #8

N5°05'49"E 207.64'

87°15'39"

F.L. 898.52

Remove Pavement (629 S.Y.)

N5°05'49"E 427.89'

15" Mulberry

18" R.C.P. (REMOVE)

F.L. 900.44

18" R.C.P.

36" Mulberry

GWA

Chord N3°28'28"W 79.52'

Arc=348.64' Rad=341.07' Chord N3°28'28"W 333.66'

N43°32'53"E 169.06' Prop. R/W

N42°55'45"W

N11°49'52"W 102.79'

STA. 162+65 STA. 50+00 OLD KY. 34 & FISHER FORD RD.

C.S. 165+01.64

P 13

TRADEWAY, INC.

1 STORY FRAME SHED

BM No. 18

GTE #20

GTE #19

Hackberry

BOARD FENCE

WOODEN GUARDRAIL

6" WM

N5°05'49"E 194.66'

N1°46'39"E 194.72'

N5°05'49"E 195.31'

N13°06'03"E 201.18'

N13°06'03" 85.91'

N30°23'41"E 143.90'

N27°56'58"E

N21°35'23"E 147.56'

P.C. 43+14.14

N87°09'51"E 28.28'

P.T. 45+69.67

P.C. 47+65.54

WIRE FENCE

WOODEN FENCE POSTS

36" Locust

36" Mulberry

10" Pine

12" Oak

15" Oak

15" Cedar

ASPHALT DRIVE

STA. 42+00 OLD KY 34 BEGIN CONSTRUCTION

1 STORY BRICK RES.

J.W. BROGLI
BARBARA BROGLI (WF)

P 23

P 14

THOMAS L. BARNETT
PATTY A. BARNETT (WF.)

44+00 Lt. Sta. ~~44+50~~ Old KY. 34 Constr. 12' Field Entrance ~~8-28 L.F. 15" Entrance Pipe~~ (13.4 Tons D.G.A., 8.3 Tons Bit. Conc. Base, 3.3 Tons Bit. Conc. Surface) ~~Moved~~ at Request of owner

~~Pipe omitted~~

P 10

ESTATE OF FREEMAN KEYES

BM No. 17A4

80 DHV FISHER FORD RD.

To Danville

To Camp Dick-Robinson

820 DHV KY 34

870 DHV KY 34

110 DHV OLD KY 34

TRAFFIC FLOW DIAGRAM 2010 DHV

OLD KY. 34 CURVE DATA

P.I.= 44+56.94
Δ = 22°51'09" Rt.
C = 10°
T = 115.80'
L = 228.53'
R = 572.96
E = 11.59'
e = .068%
Runoff = 60.71'
Runout = 18.60'

P.I.= 48+22.19
Δ = 70°52'43" Lt.
C = 38°11'50"
T = 106.75'
L = 185.56'
R = 150.00'
E = 34.11'
e = 0.10%
Runoff = 89.29'
Runout = 18.60'

CURVE DATA

P.I. = 161+58.78
Δ = 53°46'18" RT.
C = 5°00'
T_s = 732.57'
L_s = 300'
L_c = 775.43'
θ_s = 7°30'
L.T.= 200.18'
S.T.= 100.16'
R = 1145.92'
E = 142.54'
e = .098%
Runoff = 300'
Runout = 63.67'

NOTE: Maintenance of Existing KY 34 will be assumed by Garrard County.

SCALE: 1" = 50'

BM NO. 17A4
RR SPIKE IN TELEPHONE POLE
250' RT. STA. 152+75
ELEV. 929.93

OLD KY 34
20 MPH Design Speed
See Sheet 30 for Profile

BM NO. 18
RR SPIKE IN TELEPHONE POLE
INTERSECTION KINGS MILL RD. & KY 34
40' LT. OF STA. 163+12
ELEV. 916.01

SHEET TOTALS

Sta. 150+00 to Sta. 165+00

Com	36,052 C.Y.
SR	119,454 C.Y.
Rock Roadbed	10,640 C.Y.

OLD KY 34

Com	8,339 C.Y.
SR	15,997 C.Y.
Emb	283 C.Y.
Rock Roadbed	2,513 C.Y.

FISHER FORD ROAD

Com	1,604 C.Y.
SR	52 C.Y.
Emb	99 C.Y.
Rock Roadbed	768 C.Y.

KINGS MILL ROAD

Com	1,288 C.Y.
Emb	250 C.Y.
Rock Roadbed	1,005 C.Y.

DIETZGEN 7-13-73 FORM NO. 2

STA. 150+00 TO STA. 165+00

F 34-1 (6)

GARRARD		9	108

Low Wire Elev. 936.9 — +62 — +07 — Low Wire Elev. 948.8

+50 — Low Wire Elev. 937.6

P.V.I. Sta. 164+00
ELEV. 917.50

920
910
900
890
880
870
860

-0.50%

Existing Ground

910

Profile Grade

+4.00%

1400' V.C.
643' N.P.S.D.

+63.50
+27.17
+90.84
+27.17
Lt. Edge Pvmt.
.098 ft/ft
Profile Grade
.020 ft/ft
.098 ft/ft
Rt. Edge Pvmt.

Superelevation Transition

SCALE: 1"=50' HOR.
1"=5' VERT.

| | | |

F 34-1(6)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
GARRARD		10	108

Lt. Sta. 165 + 10 - 171 + 50 Constr.
Special "V" Ditch

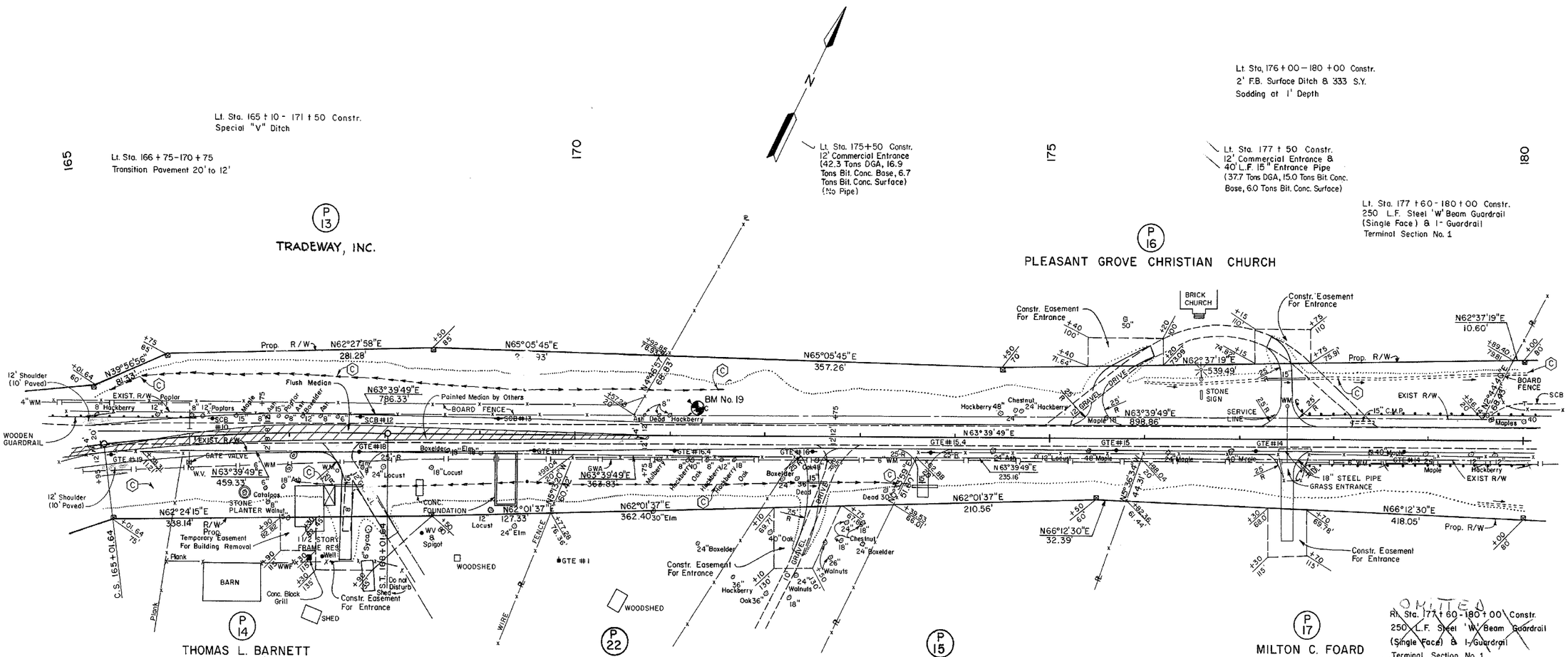
Lt. Sta. 166 + 75 - 170 + 75
Transition Pavement 20' to 12'

Lt. Sta. 175+50 Constr.
12' Commercial Entrance
(42.3 Tons DGA, 16.9 Tons Bit. Conc. Base, 6.7 Tons Bit. Conc. Surface)
(No Pipe)

Lt. Sta. 176 + 00 - 180 + 00 Constr.
2' F.B. Surface Ditch & 333 S.Y.
Sodding at 1' Depth

Lt. Sta. 177 + 50 Constr.
12' Commercial Entrance &
40' L.F. 15" Entrance Pipe
(37.7 Tons DGA, 15.0 Tons Bit. Conc. Base, 6.0 Tons Bit. Conc. Surface)

Lt. Sta. 177 + 60 - 180 + 00 Constr.
250 L.F. Steel 'W' Beam Guardrail
(Single Face) & 1- Guardrail
Terminal Section No. 1



Rt. Sta. 167 + 70 Constr. Dbl.
12' Field Entrance
44 L.F. 15" Entrance Pipe
(57.4 Tons DGA, 34.2 Tons Bit. Conc. Base, 13.7 Tons Bit. Conc. Surface)

Rt. Sta. 166 + 75 - 170 + 75
Transition Pavement 20' to 16'

Rt. Sta. 167+00 - 173+75 Constr.
Special "V" Ditch

Rt. Sta. 170 + 75 - 172 + 75
Transition Pavement 16' to 12'

Rt. Sta. 172+50 Constr.
12' Field Entrance &
28 L.F. 15" Entrance Pipe
(29.7 Tons DGA, 17.7 Tons Bit. Concrete Base, 7.1 Tons Bit. Conc. Surface)

Rt. Sta. 173 + 67 Constr.
12' Field Entrance &
28 L.F 15" Entrance Pipe
(12.9 Tons D.G.A., 7.7 Tons Bit. Conc. Base, 3.1 Tons Bit. Conc. Surface)

Rt. Sta. 177 + 50 Constr.
12' Field Entrance
(25.1 Tons DGA, 15.0 Tons Bit. Conc. Base, 6.0 Tons Bit. Conc. Surface)

RT. Sta. 179 + 50 - 180+00 Constr.
2' F.B. Surface Ditch

BM NO. 19
RR. SPIKE IN POWER & TELEPHONE POLE
24' Lt. STA. 171 + 30
ELEV. 914.15

SHEET TOTALS
Sta. 165 + 00 to Sta. 180 + 00

Com	16,672 C.Y.
SR	10,075 C.Y.
Emb	8,259 C.Y.
Rock Roadbed	9,243 C.Y.
Surf. Dt. Lt.	118 C.Y.
Surf. Dt. Rt.	6 C.Y.

SCALE: 1"=50'

DIETZGEN 7-13-73 FORM NO. 2

STA. 165+00 TO STA. 180+00

12

F 34-1(6)

GARRARD | 11 | 108

+16

Low Wire Elev. 936.8

930

920

910

900

890

Existing Ground

908.39

+0.50%

909.28

+0.50%

Special "V" Ditch Lt.

910.59

910.53

Special "V" Ditch Rt.

-0.50%

909.59

-0.50%

2.56%

-0.50%

Profile Grade

906.0

-2.5%

901.0

-6.0%

898.0

-3.0%

-0.5%

2' F.B. Surface Dt. Lt.

894.50

894.25

893.5

2' F.B. Surface Dt. Rt.

+02.61

Lt. Edge Pvmt.

.098 ft/ft

+38.94

+02.61

+66.28

Profile Grade

.098 ft/ft

.0208 ft/ft

Rt. Edge Pvmt.

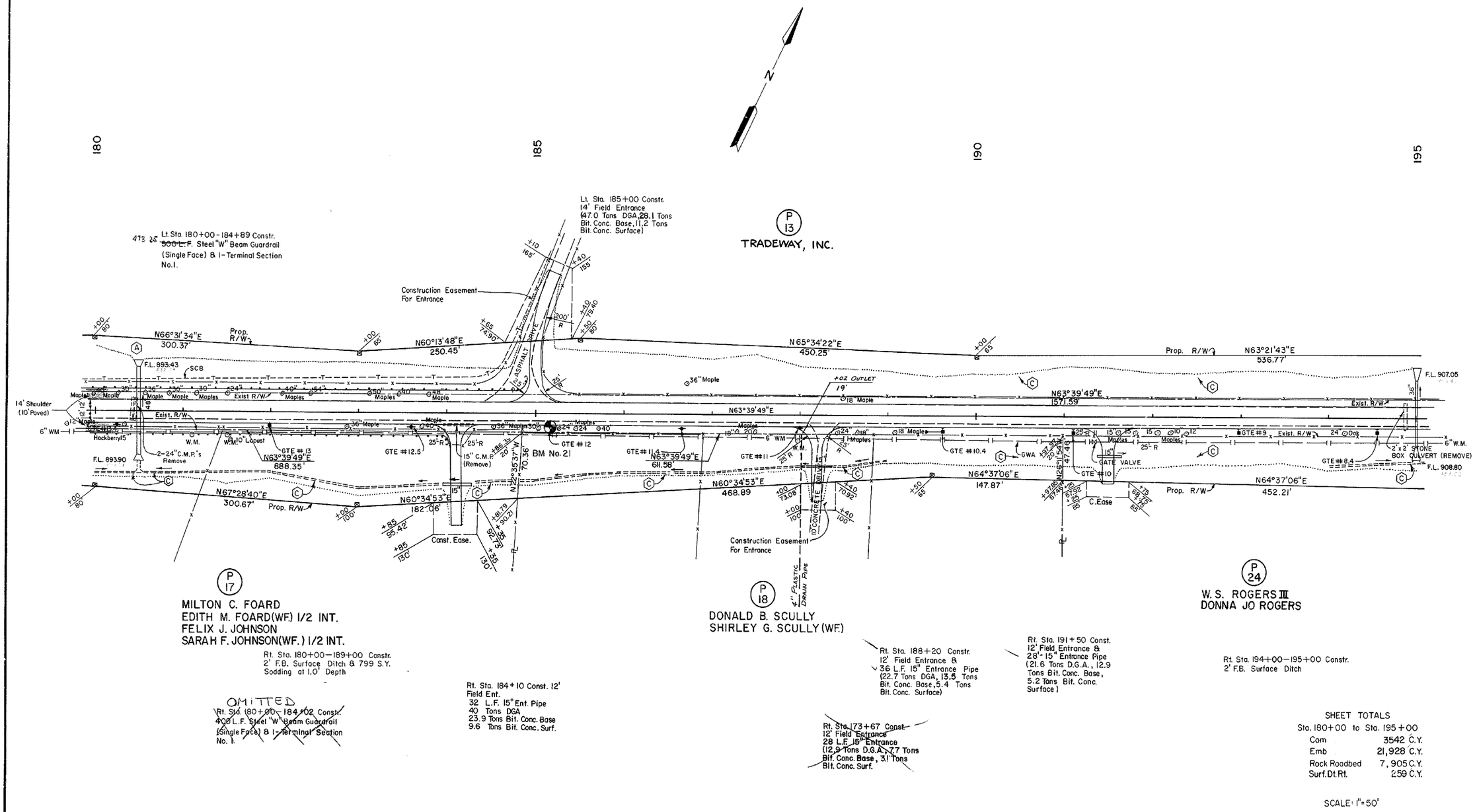
Superelevation Transition

SCALE: 1"=50' HOR.
1"=5' VERT.

| | | |

F 34-1(6)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
GARRARD		12	108



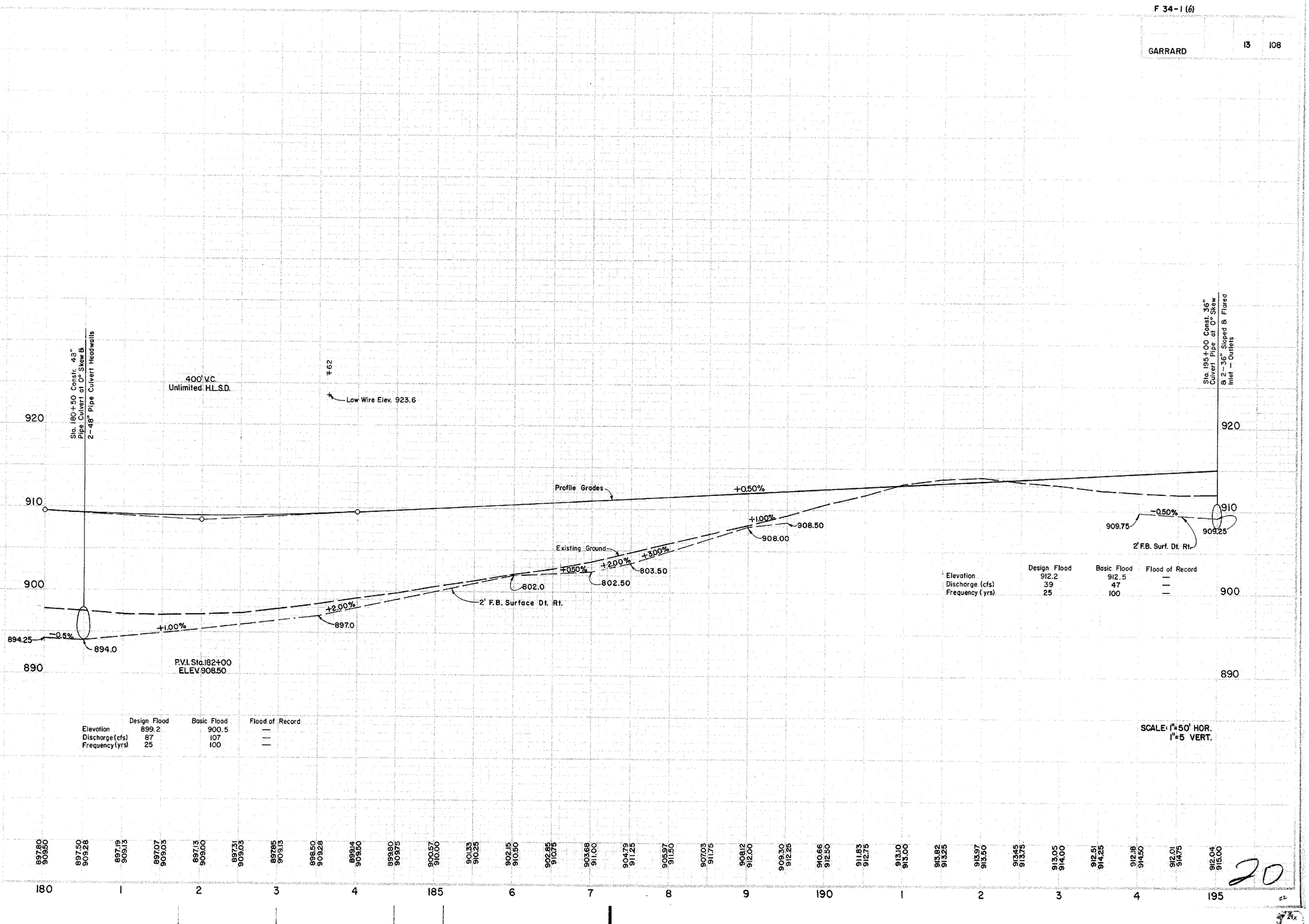
19

DIETZGEN 7-13-73 FORM NO. 2

STA. 180+00 TO STA. 195+00

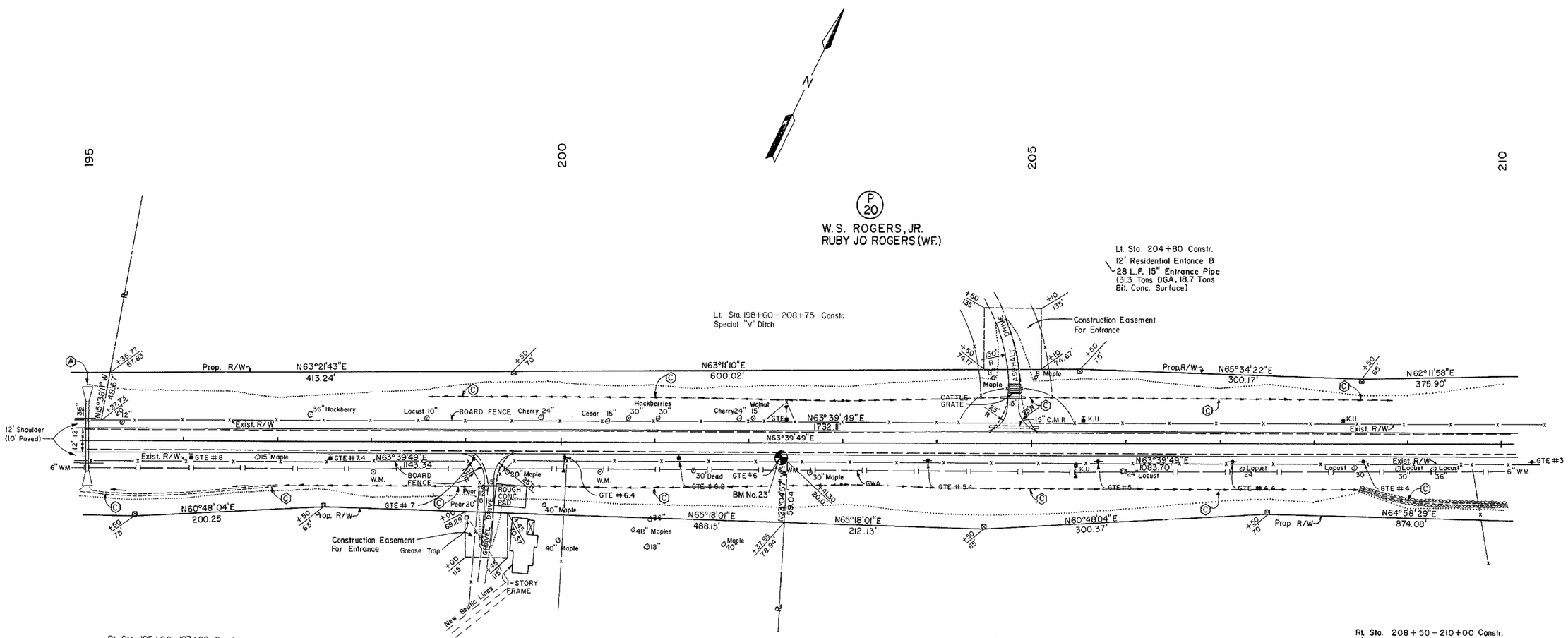
F 34-1 (6)

GARRARD | 13 | 108



F 34-1(6)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
GARRARD		14	108



Rt. Sta. 195+00 – 197+00 Constr.
2' F.B. Surface Ditch & 185 S.Y.
Sodding at 1' Depth

Rt. Sta. 199+25 Constr.
12' Residential Entrance
8"28 L.F. 15" Entrance Pipe
(21.4 Tons DGA, 12.8 Tons
Bit. Conc. Surface)

P 24
W.S. ROGERS III
DONNA JO ROGERS

Rt. Sta. 197+00 – 208+50 Constr.
Special "V" Ditch

P 19
W.S. ROGERS, JR.
RUBY JO ROGERS (W.F.)
W. SCOTT ROGERS III
DONNA JO FAUST

Rt. Sta. 208+50 – 210+00 Constr.
2' F.B. Surface Ditch & 87 Tons
Class II Channel Lining at 1' Depth

SHEET TOTALS
Sta. 195+00 to Sta. 210+00

Com	24,204 C.Y.
SR	2,908 C.Y.
Emb	2,186 C.Y.
Rock Roadbed	9,397 C.Y.
Surf. Dt. Rt.	79 C.Y.

SCALE: 1"=50'

BM NO. 23
RR. SPIKE IN POWER POLE
18' RT. STA. 202 + 35
ELEV. 923.24

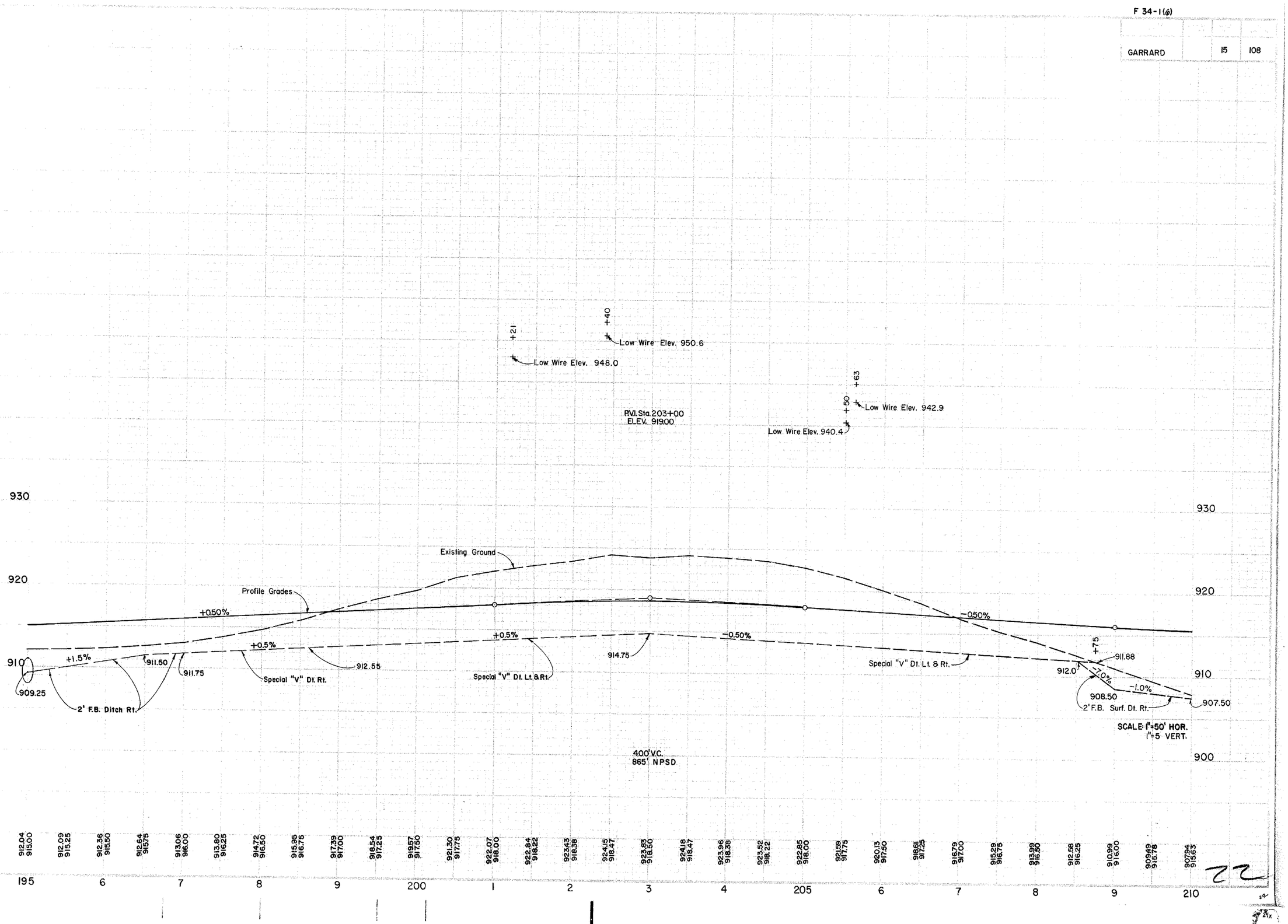
21

DIETZGEN 7-13-73 FORM NO. 2

STA. 195+00 TO STA. 210+00

F 34-1(6)

GARRARD		15	108



F 34-1(6)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
GARRARD		16	108

Lt. Sta. 211+00 Const.
12' Field Entrance (56.4 Tons D.G.A., 33.7 Tons Bit. Conc. Base, 13.5 Tons Bit. Conc. Surface)

Lt. Sta. 211+08 – 214+27 Const.
~~350~~ 336.25 L.F. Steel "W" Beam Guardrail (Single Face) & 2 - Guardrail Terminal Section No. 1

Lt. Sta. 212+70 – 216+00 Constr.
2' F.B. Surface & 168 Tons Class II Channel Lining at 1' Depth

Lt. Sta. 214+35 Constr.
20 ~~12'~~ Field Entrance & 40 L.F. 15" Entrance Pipe (25.1 Tons DGA, 15.0 Tons Bit. Conc. Base, 6.0 Tons Bit. Conc. Surface)

210

215

ROT 216+27.42

To Nicholasville

S 2°59'40" E

15" C.M.P.

TS 340+95.22

GRAVEL

N

15" C.M.P.

SC 342+45.22

40" GTE #67

GRAVEL

15" C.M.P.

STA. 216+25 END PROJECT

P.I. = 344+47.80
Δ = 37° 50' LT.
C = 6° 00'
T_s = 402.58
L_s = 150.00
L_c = 480.56
Θ = 4° 30'
L.T. = 100.03
S.T. = 50.03
R = 954.93
E_s = 55.56

P 20

W.S. ROGERS, JR.
RUBY JO " (WF.)

210+75 200'

211+25 200'

+75 150'

+25 150'

+25 69.47'

Const. Edge

STA. 50+00 Rt.
STA. 213+00 M.L.
Prop. R/W

N63°39'49"E 65.16' +50 72.67'

+25.19 74.61

53

52

P 13

TRADEWAY, INC.

5'x6' STONE CULVERT (REMOVE)

N62°11'58"E 193.20'

FL. 895.96

Constr. Basement For Entrance

+24.32 115

+18.91 79.52

+60 80.39

N62°11'58"E 213.57'

Arc=50.32 R=1004.93
Chord N1°58'03"W 50.31

+32.41 85

W.S. ROGERS, JR.
RUBY JO ROGERS (WF.)
W. SCOTT ROGERS III
DONNA JO ROGERS

P 19

14' Shoulder (10' Paved)

+36/24' 2-WM's

30" Locust

25'-R

GTE

Exist. R/W

25'-R K.U.

+59.84 20

N26°20'11"W 10.0' GTE #1

N63°39'49"E 86.49'

W.M.

BM No.24

N63°39'49"E 188.51' Exist. R/W

GTE #68

Maples

Maples

30" Maple

CONC. W.L.K.

2-STORY FRAME RES.

30" Maple

W.M.

15" C.M.P.

40" Maple

GRAVEL

15" 40" Maples

ASPH. ISLAND

N63°39'49"E 26.83

86°54'44"
75°30'31"

GRAVEL

15" C.M.P.

6" GATE VALVES

GATE

DIRT DRIVE

STA. 216+74.49 KY 34 =
STA. 345+07.79 US 27

+51

15" C.M.P.

15" R.C.P.

15" R.C.P.

N63°39'49"E

Exist. R/W

6"WM

12' Shoulder (10' Paved)

GTE #3

Fire Plug +57.41'

W.V.

GTE #2

Hackberry 24"

Hackberry

GTE #24

Locust

EL. 897.0 W.M.

6" WM 10.0'

N26°20'11"W

N63°39'49"E 23.24'

Exist. R/W 5.0'

N26°20'11"W

Maple 24"

Maples

Wood Sign

Prop. R/W

Maple

N64°58'23"E 874.08'

Maple

(REMOV.) CONC. SLAB

Arc=55.01' R=1004.93'
Chord N26°58'02"W 55.0'

GTE #69

54" R.C.P.

K.U.

CS. 347+25.78

GTE #70

Construction Easement For Entrance

ASPHALT DRIVE

+75 77.44'

+25 78.58'

+75 79.73'

+25 80.87'

+75 110

+25 110

+75 135

+25 135

P 19

W.S. ROGERS, JR.
RUBY JO ROGERS (WF.)
W. SCOTT ROGERS III
DONNA JO FAUST

48

47

Exist. R/W

S 40°49'40" E 3,402.49'

To Lancaster

ST. 348+75.78

Rt. Sta. 211+00 Constr.
18' Commercial Entrance
48' L.F. 15" Entrance Pipe (55.7 Tons DGA, 22.2 Tons Bit. Conc. Base, 8.9 Tons Bit. Conc. Surface)

212+90

Rt. Sta. ~~212+11~~ – 215+87.5 Constr.
295.0 ~~400~~ L.F. Steel 'W' Beam Guardrail (Single Face), 1 - Guardrail Terminal No.1 & 1 - Guardrail End Treatment Type 4. (W=4')

212+75

Rt. Sta. ~~212+00~~ Constr.
20 ~~12'~~ Field Entrance & 48' L.F. 15" Entrance Pipe (31.3 Tons DGA, 18.7 Tons Bit. Conc. Base, 7.5 Tons Bit. Conc. Surface)

Rt. Sta. 212+75 – 213+75
Transition Pavement 12' to 24'

Rt. Sta. 210+00 – 213+40 Constr.
2' F.B. Surface Ditch & 141 Tons Class II Channel Lining at 1' Depth

BM NO. 24
RR SPIKE IN POWER & TELEPHONE POLE 25' LT. STA. 215+75
ELEV. 913.35

SHEET TOTALS
Sta. 210+00 to Sta. 216+25

Com	198 C.Y.
Emb	15,831 C.Y.
Rock Roadbed	3,151 C.Y.
Surf. Dt. Lt.	96 C.Y.
Surf. Dt. Rt.	125 C.Y.

U.S. 27
1700
2010 DHV

← To Danville

KY 34
870
2010 DHV

480
480
920
920
370
370
110
110
550
550
660
660

To Nicholasville

To Lancaster

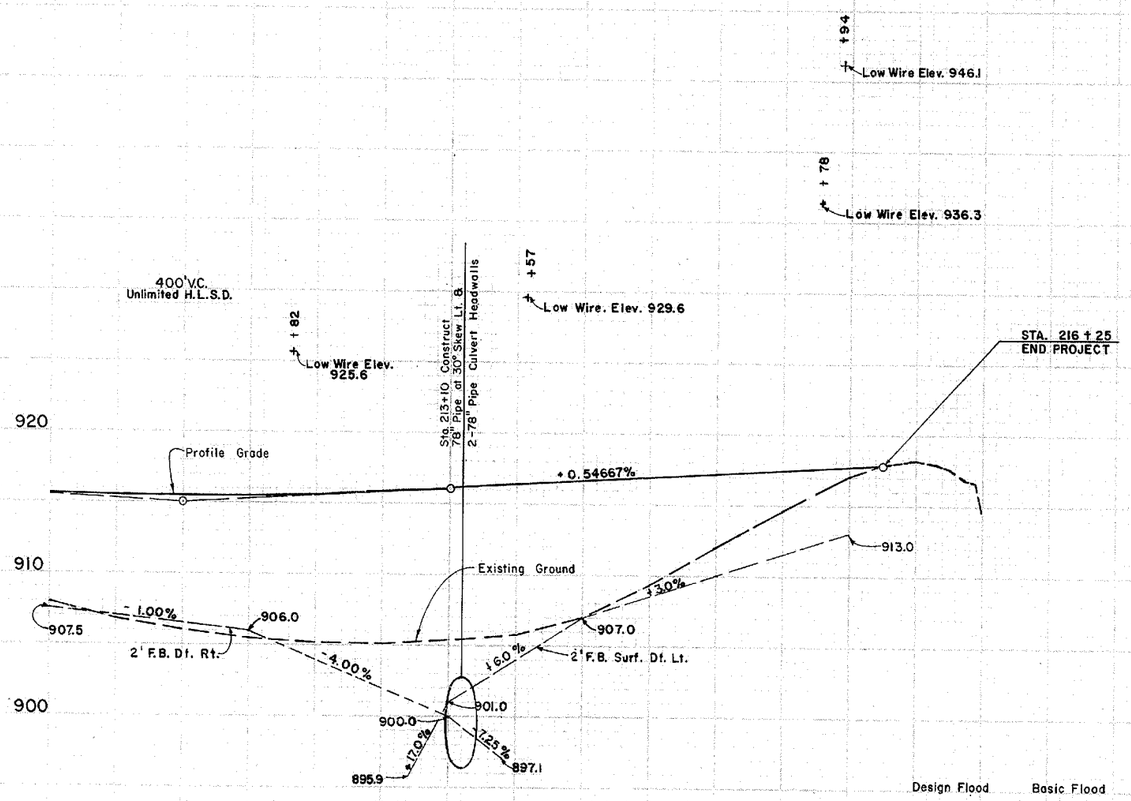
1200
2010 DHV
U.S. 27

TRAFFIC FLOW DIAGRAM
2010 DHV

SCALE: 1"=50'

DIETZGEN 7-13-73 FORM NO. 2

STA. 210+00 TO STA. 216+74.49

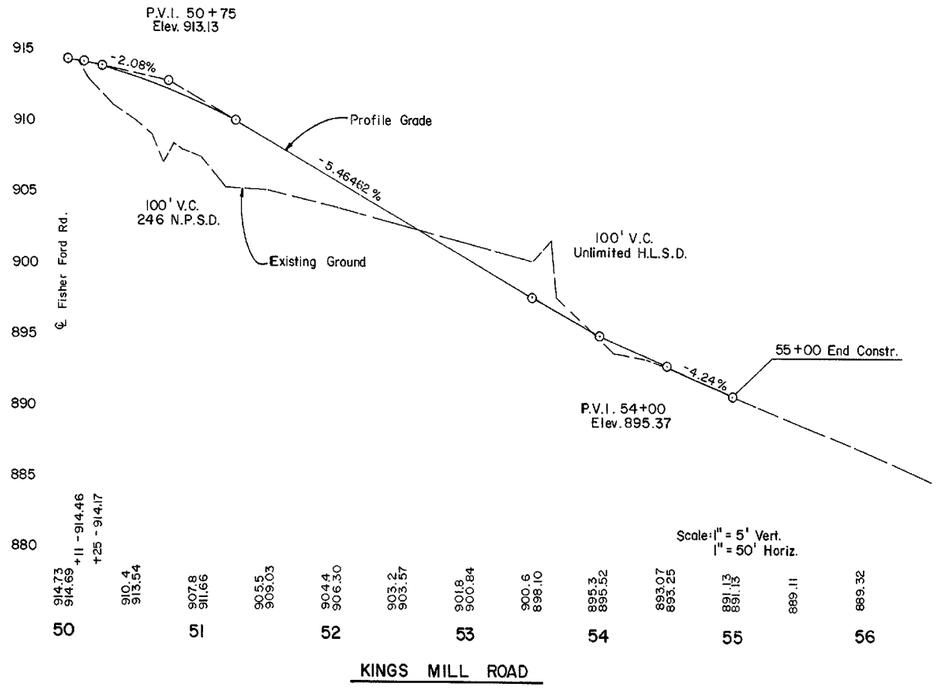


P.V.I. Sta. 211+00
ELEV. 915.00

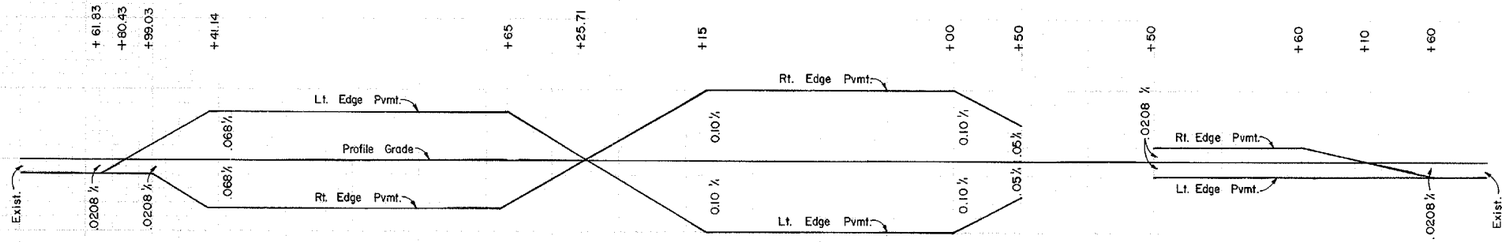
	Design Flood	Basic Flood	Flood of Record
Elevation	905.0	906.1	—
Discharge (cfs)	262	321	—
Frequency (yrs)	25	100	—

SCALE: 1"=50' HOR.
1"=5' VERT.

907.94 / 915.63	906.76 / 916.54	906.03 / 915.52	905.47 / 915.57	905.13 / 915.68	905.09 / 915.85	905.40 / 916.09	905.77 / 916.37	907.00 / 916.64	909.38 / 916.91	912.06 / 917.19	914.60 / 917.46	917.06 / 917.73	917.87 / 917.87	918.24
210	1	2	3	4	215	6	7	8						


P.V.I. 50+75
Elev. 913.13
-2.08%
Profile Grade
-5.46462%
100' V.C.
246 N.P.S.D.
Existing Ground
100' V.C.
Unlimited H.L.S.D.
55+00 End Constr.
-4.24%
P.V.I. 54+00
Elev. 895.37
℄ Fisher Ford Rd.
915
910
905
900
895
890
885
880
Scale: 1" = 5' Vert.
1" = 50' Horiz.
914.73
914.69
+11 - 914.46
+25 - 914.17
910.4
913.54
907.8
911.66
905.5
909.03
904.4
906.30
903.2
903.57
901.8
900.84
900.6
898.10
895.3
895.52
893.07
893.25
891.13
891.13
889.11
889.32
50
51
52
53
54
55
56
KINGS MILL ROAD

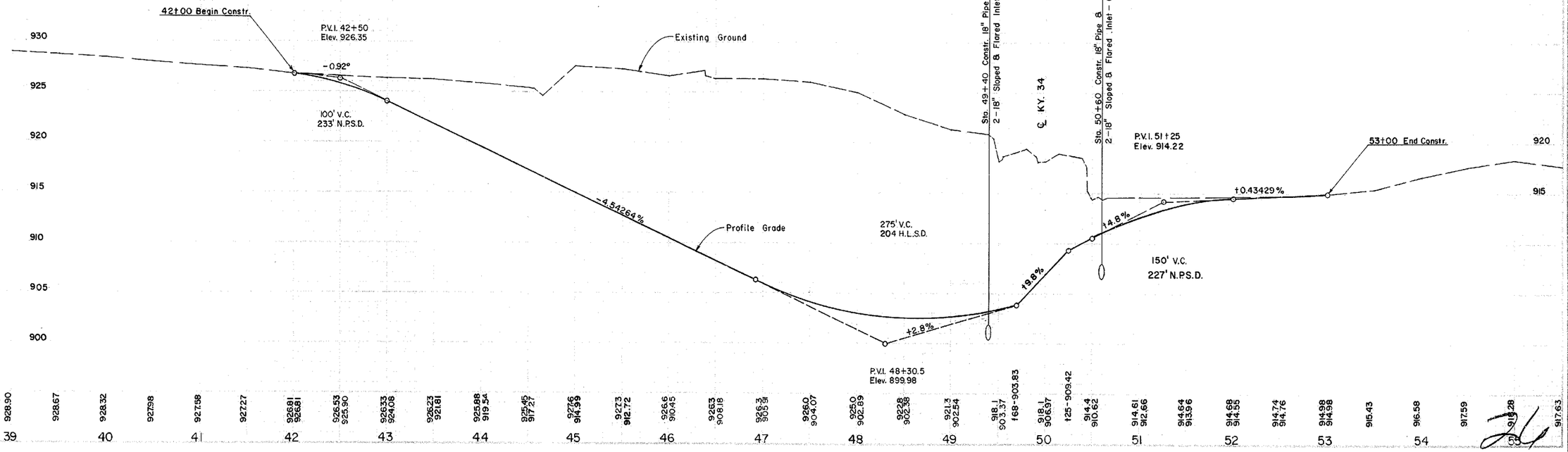
25



Superelevation Transition

	Design Flood	Basic Flood	Flood of Record
Elevation	902.04	902.24	—
Discharge (cfs)	7	8	—
Frequency (yrs.)	25	100	—

	Design Flood	Basic Flood	Flood of Record
Elevation	907.46	907.66	—
Discharge (cfs)	1	2	—
Frequency (yrs.)	25	100	—



APPROACHES STA. 162+65 - OLD KY. 34 & FISHER FORD ROAD

F 34-1(6)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
GARRARD		19a	108

RIGHT OF WAY SUMMARY SHEET

PARCEL NO.	NAME	TOTAL AREA OF TRACT		PERMANENT R/W ACQUIRED		EASEMENTS			AREA SEVERED				EXCESS PURCHASED		PORTION REMAINING		BUILDINGS ACQUIRED NUMBER				SEWER SYSTEM TYPE	SEWER SYSTEM AFFECTED BY PROJECT		REMARKS
						PERMANENT	TEMPORARY	CONSTRUCTION	LEFT		RIGHT						C	R	F	S		YES	NO	
		ACRES	SQ. FT.	ACRES	SQ. FT.	SQ. FT.	SQ. FT.	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.								
1	MAYO H. WARREN	43.59		0.47	20,418			1,486	4.75		38.37				43.12						5			D.B. 84, P. 491
2	M.C. WEBB, INC.	13.57			31,417			7,960	12.849						12.849						5			D.B. 252, P. 448
3	EDWARDS & WEBB CONST., INC.	138.54		3.719				1,204	16.087		118.734				134.821						5			D.B. 192, P. 378 D.B. 161, P. 475
4	HUBERT R. PRESTON ANNA MAE PRESTON (WF.)	1.32			21,233		727		0.83						0.83			1			1			D.B. 143, P. 262
5	GODBEY WHITEHOUSE BEATRICE WHITEHOUSE (WF.)	0.45			6866				0.29						0.29						5			D.B. 178, P. 303
6	MARION C. WEBB	0.59			9713			525	0.37						0.37			1			1			D.B. 241, P. 130
7	OLD BRIDGE, INC.	403.679		19.219				110,197	309.150		75.310				384.460						5			D.B. 273, P. 484
8	JOHN H. WALKUP IVEENE J. WALKUP (WF.)	74.10		4.671				17,875	51.929		17.500				69.429						5			D.B. 113, P. 166
9	EUGENE POLLARD NORMA POLLARD (WF.)	20.0		1.906				3163	6.500		11.594				18.094						5			D.B. 106, P. 181
10	ESTATE OF FREEMAN KEYES	75.094		11.032					21.800		42.262				64.062						5			D.B. 140, P. 310
11	NELL POINDEXTER	4.00		2.146			2957	1,219	1.311		0.543				1.854					2	1			D.B. 54, P. 83
12	ROBERT L. RANKIN	6.00			30,902				5.291						5.291						1			D.B. 53, P. 69
13	TRADEWAY, INC.	1274.711		2.958				4411	1271.753						1271.753						5			D.B. 151, P. 420
14	THOMAS L. BARNETT PATTY A. BARNETT (WF.)	10.53		2.052			1260	4755			8.478				8.478			1			1			D.B. 92, P. 377 D.B. 100, P. 47
15	RALPH R. GAFFNEY GENEVA GAFFNEY (WF.)	8.34			10,157						8.107				8.107						5			D.B. 100, P. 662
16	PLEASANT GROVE CHRISTIAN CHURCH	7.50		1.128				4289	6.372						6.372						5			D.B. T, P. 274
17	MILTON C. FOARD; EDITH M. FOARD (WF.) 1/2 INT. FELIX J. JOHNSON; SARAH F. JOHNSON (WF.) 1/2 Int.	40.00		1.278				3640			38.772				38.772						5			D.B. 125, P. 182
18	DONALD B. SCULLY SHIRLEY G. SCULLY (WF.)	97.284			33,648			1120			96.512				96.512						5			D.B. 100, P. 679
19	W.S. ROGERS, JR.; RUBY JO ROGERS (WF.) W. SCOTT ROGERS III DONNA JO FAUST	76.34		2.080				5675	0.807		73.453				74.260						5			D.B. 111, P. 102
20	W.S. ROGERS, JR. RUBY JO ROGERS (WF.)	38.77		1.987				13021	36.783						36.783						5			D.B. 84, P. 107; D.B. 108, P. 697 D.B. 88, P. 398; D.B. 108, P. 701
21	EDWARD J. CAMPBELL NELLIE P. CAMPBELL (WF.)	0.92			24,754						0.352				0.352						5			D.B. 242, P. 421
22	THOMAS W. KIMMERER ROBIN W. KIMMERER (WF.)	7.06			18,467			3202			6.636				6.636						5			D.B. 137, P. 335 D.B. 138, P. 816
23	J.W. BROGLI BARBARA BROGLI (WF.)	102.7		0.063	2,736						102.637				102.637						5			D.B. 83, P. 292
24	W.S. ROGERS III DONNA JO ROGERS	35.33		1.346				2861			33.984				33.984						5			D.B. 108, P. 705 D.B. 108, P. 717
25	KENTUCKY UTILITIES CO.					21,025		65,317																
26	KENTUCKY UTILITIES CO.					28,813		75,215																
27	BLANCHE J. POLLARD (WIDOW)	22.50		0.085	3720				22.415						22.415						5			D.B. 97, P. 195

PREPARED BY
CHECKED BY
APPROVED BY

DIETZGEN 138M3
DATE 4-9-75
FORM NO. 7

Note: Permanent R/W acquired + permanent assement + area severed = Total area of tract.

Note: Total area of Track, Permanent R/W Acquired, Easements, Area Severed, excess purchased and portion remaining do not include existing Right of Way.

THE CONTROL OF ACCESS ON THIS PROJECT SHALL BE BY PERMIT.

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

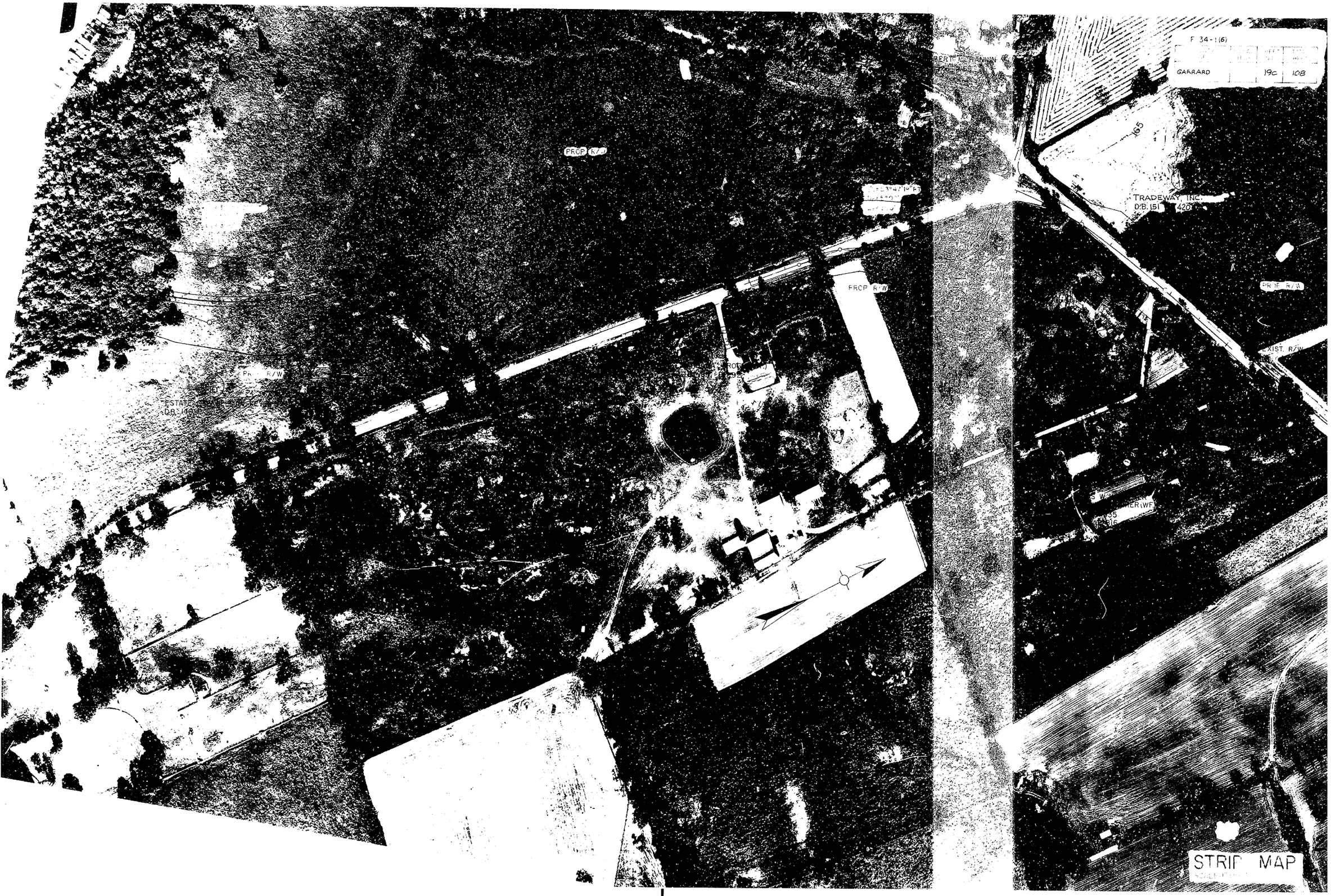
BUILDINGS ACQUIRED CODE
C – COMMERCIAL
R – RESIDENTIAL
F – FARM
S – STORAGE

14 6 28

RARD 196 108

Entrance

28


PROP R/W
PROP R/W
EXIST R/W
TRADEWAY, INC.
D.B. 151 420
F 34 - 1(6)
GARRARD
19c
108
165
STRIP MAP

GARRARD	SHEET NO.	TOTAL SHEETS
	19	108

TRADEWAY, INC.
151 426

CHRISTIAN CHURCH

Construction Easement For Entrance

EXIST. R/W

Construction Easement For Entrance

Construction Easement For Entrance

Construction Easement For Entrance

Construction Easement For Entrance

P 17

MILTON C. FOARD
EDITH M. FOARD (W.F.) 1/2 INT.
ELIX J. JOHNSON
SARAH F. JOHNSON (W.F.) 1/2 INT.
D.B. 125, P. 16

P 24

W.S. ROGERS III
DONNA JO ROGERS
D.B. 108, P. 705
D.B. 108, P. 717

3

STRIP MAP

SCALE 1" = 100'

F 34 1(6)

COUNTY OF	ISSAC MAP	SHEET NO.	TOTAL SHEETS
GARRARD		19e	108

W.S. ROGERS, JR.
RUBY JO ROGERS (WF)
D.B. 84, P. 106

TRADEWAY, INC.
D.B. 151, P. 420

END PROJECT
STA. 216+25

EXISTING

PROP R/W

P 19

W.S. ROGERS, JR.
RUBY JO ROGERS (WF)
W. SCOTT ROGERS, III
DONNA JO FAUST
D.B. 111, P. 102

200

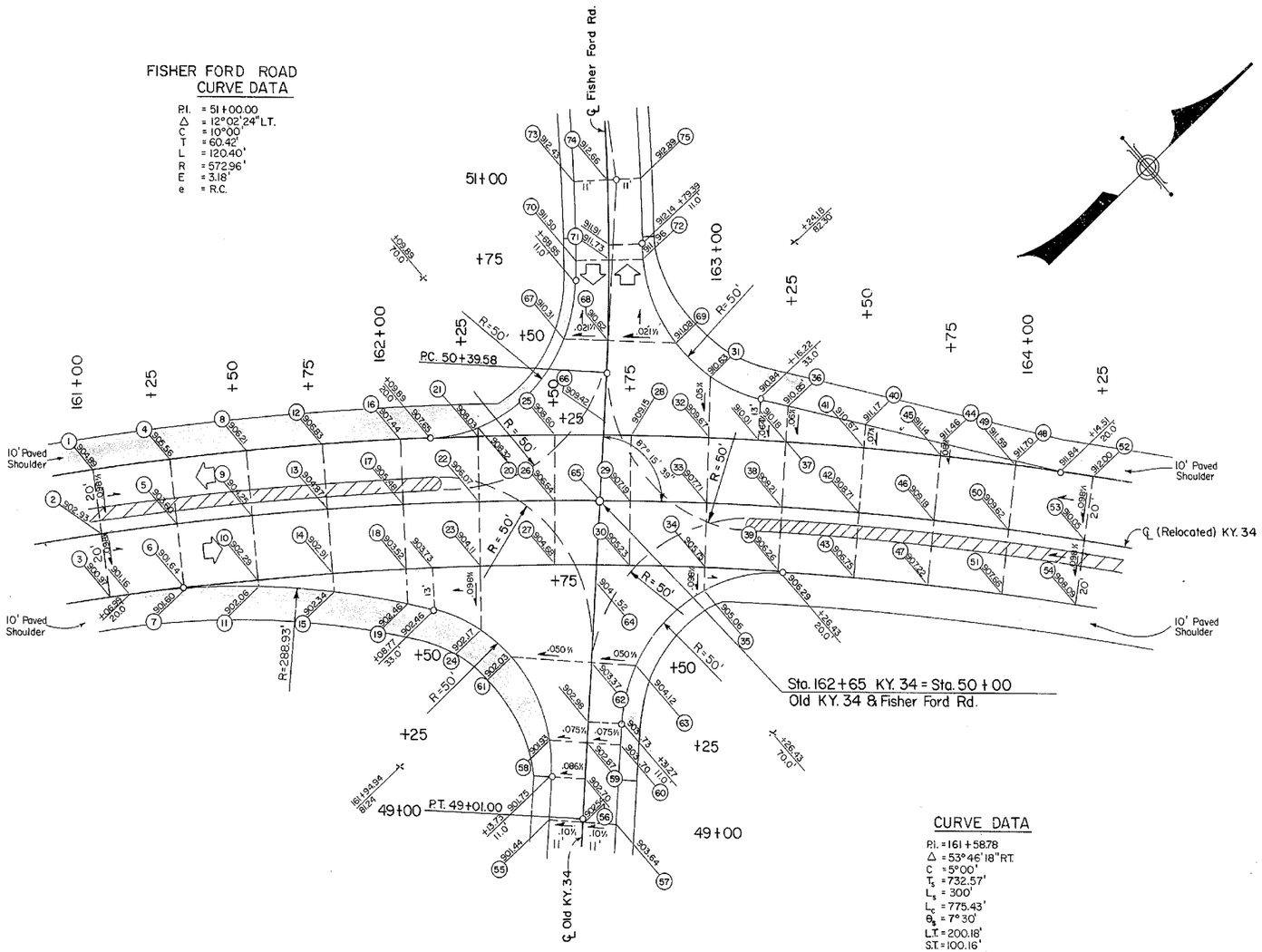
STRIP MAP 3
SCALE 1" = 100'

F 34-1(6)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
GARRARD		20	108

FISHER FORD ROAD CURVE DATA

P.I. = 51+00.00
Δ = 12°02'24" LT.
C = 10°00'
T = 60.42'
L = 120.40'
R = 572.96'
E = 3.18'
e = R.C.



CURVE DATA

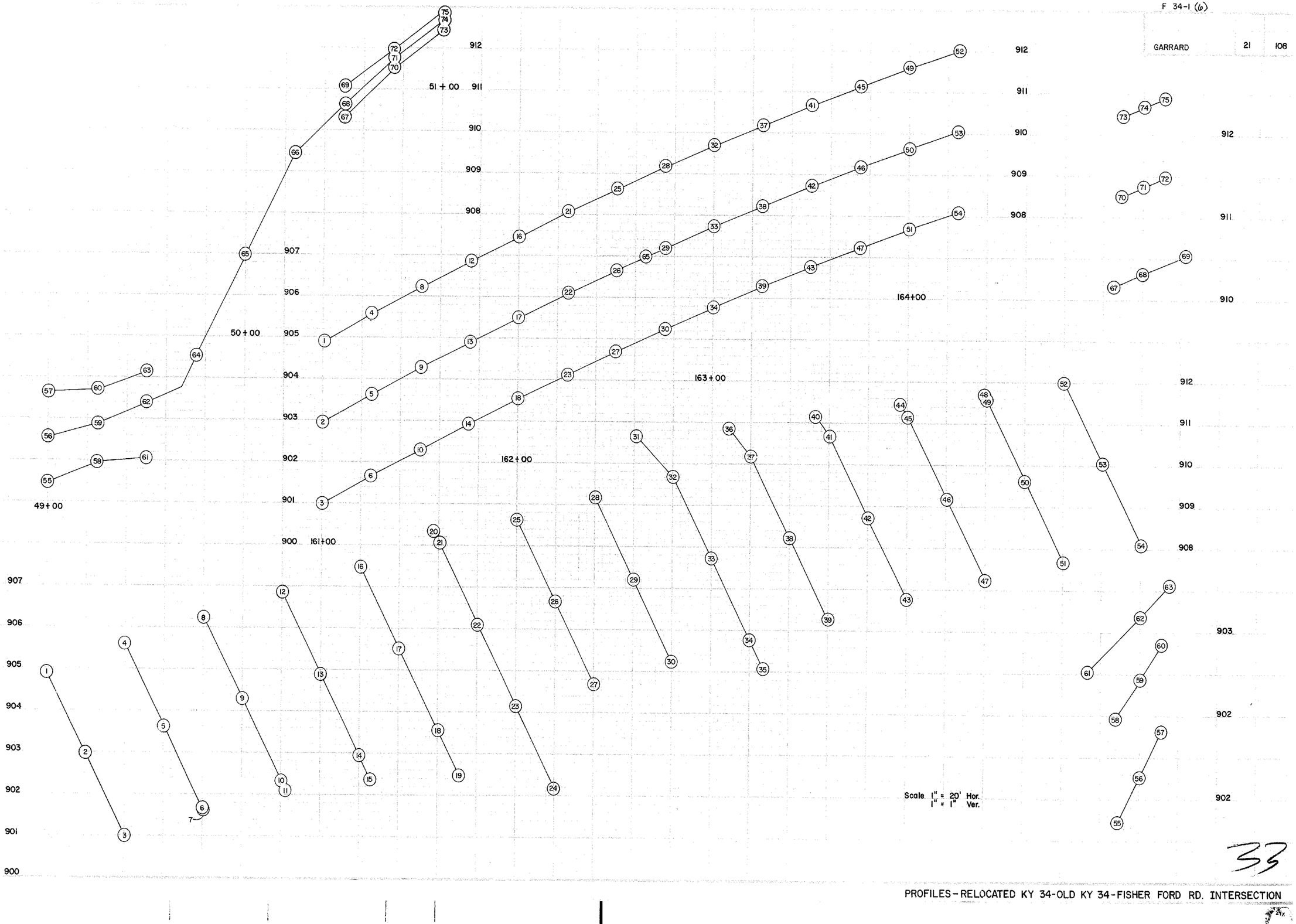
P.I. = 161+58.78
Δ = 53°46'18" RT.
C = 5°00'
T_s = 732.57'
L_s = 300'
L_c = 775.43'
θ_s = 7°30'
L.T. = 200.18'
S.T. = 100.16'
R = 1145.92'
E = 142.54'
e = 098'/'
Runoff = 300'
Runout = 63.67'

Scale 1" = 20'

32

F 34-1 (6)

GARRARD	21	108



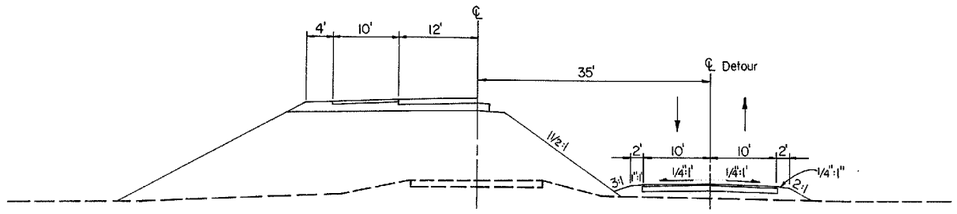
33

PROFILES - RELOCATED KY 34-OLD KY 34-FISHER FORD RD. INTERSECTION

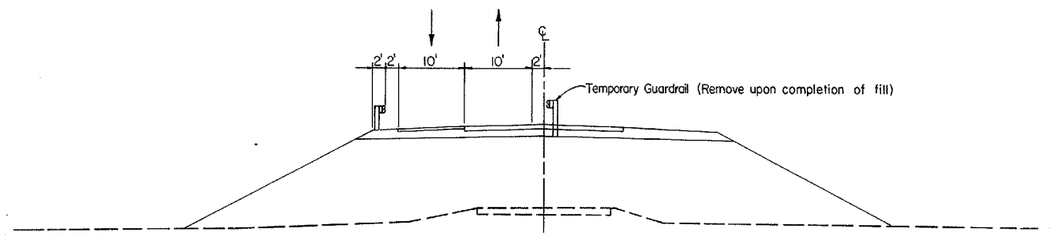
F 34 - 11(6)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
GARRARD		22	108

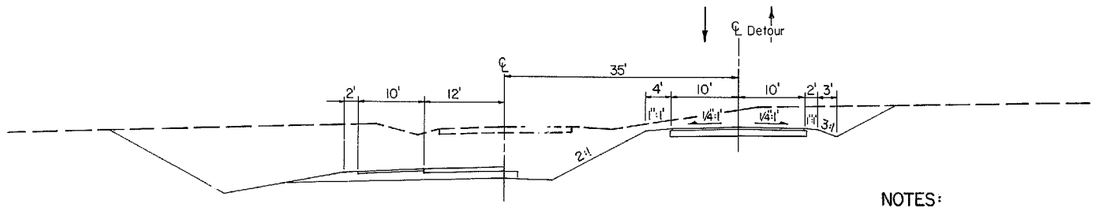
MAINTENANCE OF TRAFFIC



TYPICAL FILL SECTION



TYPICAL FILL SECTION



TYPICAL CUT SECTION

PHASE I

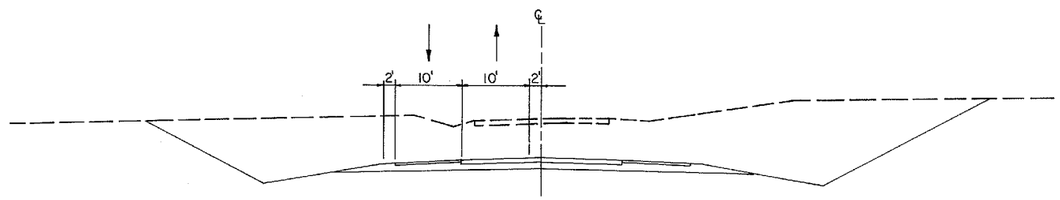
NOTES:

PHASE I: Construct temporary pavement 35 feet right of existing pavement, maintaining same profile grade as existing pavement. Direct traffic to temporary pavement. Construct new roadway and pavement left of center line as shown in typical sections above.

PHASE II: Direct traffic to new roadway and shoulder pavement left of center line. Complete construction of new roadway and pavement right of center line.

Posted advisory speed 25 MPH.

STA. 162+75-STA. 216+25



TYPICAL CUT SECTION

PHASE II

TYPICAL SECTION

PHASE I

DIETZGEN 7-13-7 FORM NO. 2

F 34-1(6)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
GARRARD		23	108

Fisher Ford Road

Kings Mill Road

To Danville

Relocated KY 34

OLD KY 34

PI 49+28.28

PC 47+00.20

PC. 51+25.75

PC. 51+32.47

PI. 52+26.22

PT. 53+19.97

25'

35'

50' R

160

165

170

55

50

45

210

215

100

DETOUR CURVE DATA

P.I. = 49+28.28	P.I. = 52+26.22
Δ = 51° 04' Rt.	Δ = 7° 30' Rt.
C = 12°	C = 4°
T = 228.17'	T = 93.88'
L = 425.56'	L = 187.50'
R = 477.46'	R = 1432.39'
E = 51.72'	E = 3.07'

To Nicholasville

℄ U.S. 27

To Lancaster

Sta. 102+97.80 Detour =
Sta. 345+42.82 U.S. 27

LEGEND

Construction

Traffic

Scale 1" = 50'

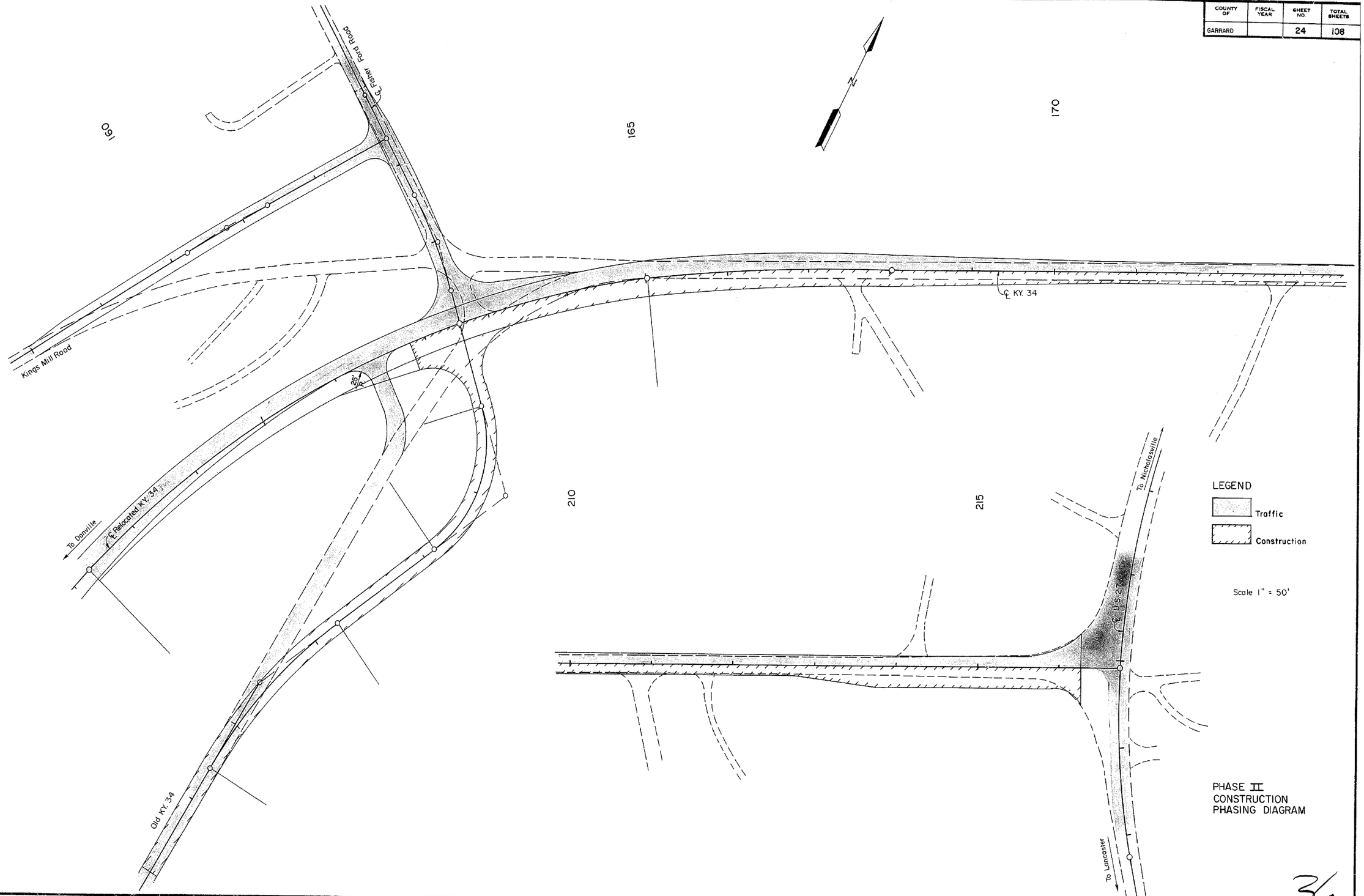
PHASE I
CONSTRUCTION
PHASING DIAGRAM

35

TELLOSYNE POST 7-13-73 FORM NO. 2

F 34-1(6)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
GARRARD		24	108



PHASE II
CONSTRUCTION
PHASING DIAGRAM

36

F 34-1(6)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
BOYLE-GARRARD		25	108

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 tsf 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 sands, little or no fines
		SP		Poorly graded sands or gravelly sands, little or no fines.
		SM		Silty sands, sand-silt mixture
		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 GREATER 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 (ie overburden, pavement, coal mine waste, slag, rubble, talus, etc) Include visual description

N	Penetration Resistance
S+C(%)	Material finer than No. 200 seive
○	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
$\bar{\Phi}$	Effective Angle of Internal Friction
c	Cohesion
$\bar{c}$	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

F 34-1(6)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
GARRARD		25a	101

FSP 040 0034 000-001

DANVILLE-
CAMP DICK ROBINSON RD.
KY. 34

GEOTECHNICAL NOTES

1. EXCAVATION OF SURFACE DITCHES AND CHANNEL CHANGES ADJACENT TO EMBANKMENT AREAS SHALL BE PERFORMED PRIOR TO THE PLACEMENT OF THE ADJACENT EMBANKMENTS. THE MATERIAL EXCAVATED FOR THE CHANNEL CHANGES AND SURFACE DITCHES IS SUITABLE FOR EMBANKMENT CONSTRUCTION IF DRIED TO PROPER MOISTURE CONTENT IN ACCORDANCE WITH SECTION 207.03 OF THE CURRENT STANDARD SPECIFICATIONS. NO EXTRA PAYMENT SHALL BE PERMITTED FOR THE REHANDLING, HAULING, STOCKPILING, AND/OR MANIPULATING THESE MATERIALS.
2. IN ACCORDANCE WITH SECTION 207.05 OF THE CURRENT STANDARD SPECIFICATIONS, THE MOISTURE CONTENT OF EMBANKMENT MATERIAL SHALL NOT VARY FROM THE OPTIMUM MOISTURE CONTENT AS DETERMINED BY KM-64-511 BY MORE THAN +2 PERCENT OR LESS THAN -4 PERCENT. THIS MOISTURE CONTENT REQUIREMENT SHALL HAVE EQUAL WEIGHT WITH THE DENSITY REQUIREMENT WHEN DETERMINING THE ACCEPTABILITY OF EMBANKMENT CONSTRUCTION.
3. SINKHOLE DEPRESSIONS UNDER PROPOSED EMBANKMENTS SHALL, AT THE DIRECTION OF THE ENGINEER, BE CLEANED BY REMOVING ALL DEBRIS, WET UNSTABLE SOIL OR ORGANIC MATERIAL. ANY OPENINGS FOUND IN ROCK SHALL BE BACKFILLED WITH LIMESTONE ROCK FROM ROADWAY EXCAVATION AND COVERED WITH GEOTEXTILE FABRIC IN ACCORDANCE WITH SPECIAL PROVISION #39, 88, TABLE IV. THE FABRIC MAY BE OMITTED IF THE EMBANKMENTS ARE CONSTRUCTED OF LIMESTONE ROCK. POSITIVE DRAINAGE SHALL BE MAINTAINED IN EMBANKMENT SECTIONS TO AVOID PONDING OF SURFACE WATER IN THE SINKHOLE BASINS BY GRADING THE SURFACE TO SLOPE AWAY FROM THE BASINS, OR BY UTILIZING SURFACE DITCHES TO SPAN THE DEPRESSIONS. THESE AREAS INCLUDE BUT NOT LIMITED TO THE FOLLOWING STATIONS:
   - STATION 74+00 LEFT SIDE
   - STATION 116+15 RIGHT & LEFT SIDE
   - STATION 118+90 RIGHT SIDE
   - STATION 124+50 RIGHT & LEFT SIDE
4. WHEN SINKHOLES ARE ENCOUNTERED IN CUT SECTIONS, AT THE DIRECTION OF THE ENGINEER, CLEAN OUT ALL DEBRIS, WET UNSTABLE SOIL OR ORGANIC MATERIAL AND BACKFILL WITH RECOMPACTED SOIL IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. ANY OPENINGS IN BEDROCK BELOW GRADE SHALL BE BACKFILLED WITH LIMESTONE ROCK FROM ROADWAY EXCAVATION TO CHOKE OFF THE OPENINGS. SINKHOLES WITH OPENINGS THAT MAY PENETRATE SUBGRADE INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING STATIONS:
   - STATION 147+00 CENTERLINE
   - STATION 159+70 20' LEFT
5. POSITIVE DRAINAGE SHALL BE MAINTAINED THROUGHOUT THE CUT SECTIONS IN SINKHOLE BASINS BY UTILIZING PAVED DITCHES INCLUDE BUT NOT LIMITED TO THE FOLLOWING STATIONS:
   - STATIONS 60+00 TO 66+00
   - STATIONS 80+50 TO 85+00
   - STATIONS 105+25 TO 115+25
6. FOUNDATION EMBANKMENT BENCHES AND LONGITUDINAL PERFORATED PIPE UNDERDRAINS SHALL BE PLACED IN ACCORDANCE WITH STANDARD DRAWING RDX-010-01 AND RDP-006-01 RESPECTIVELY AT THE LOCATIONS LISTED BELOW:
   - STATION 52+25 TO 53+75, LEFT SIDE
   - STATIONS 57+25 TO 58+25, LEFT SIDE
7. THE CONTRACTOR IS RESPONSIBLE FOR CONDUCTING ANY OPERATIONS NECESSARY (SUCH AS CONSTRUCTION OF TEMPORARY DRAINAGE DITCHES, ETC.) IN ORDER TO EXCAVATE THE CUT AREAS TO THE REQUIRED TYPICAL SECTION. THESE OPERATIONS SHALL BE INCIDENTAL TO THE ROADWAY PRICE.
8. THE CONTRACTOR SHALL CONDUCT GRADING OPERATIONS IN SUCH A MANNER THAT LIMESTONE ROCK FROM ROADWAY EXCAVATION SHALL BE STOCKPILED SEPARATELY 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 DOUBLE HANDLING THE MATERIAL.

Field Drilling and Sampling were performed in the period of October / 19 87 To October / 19 87

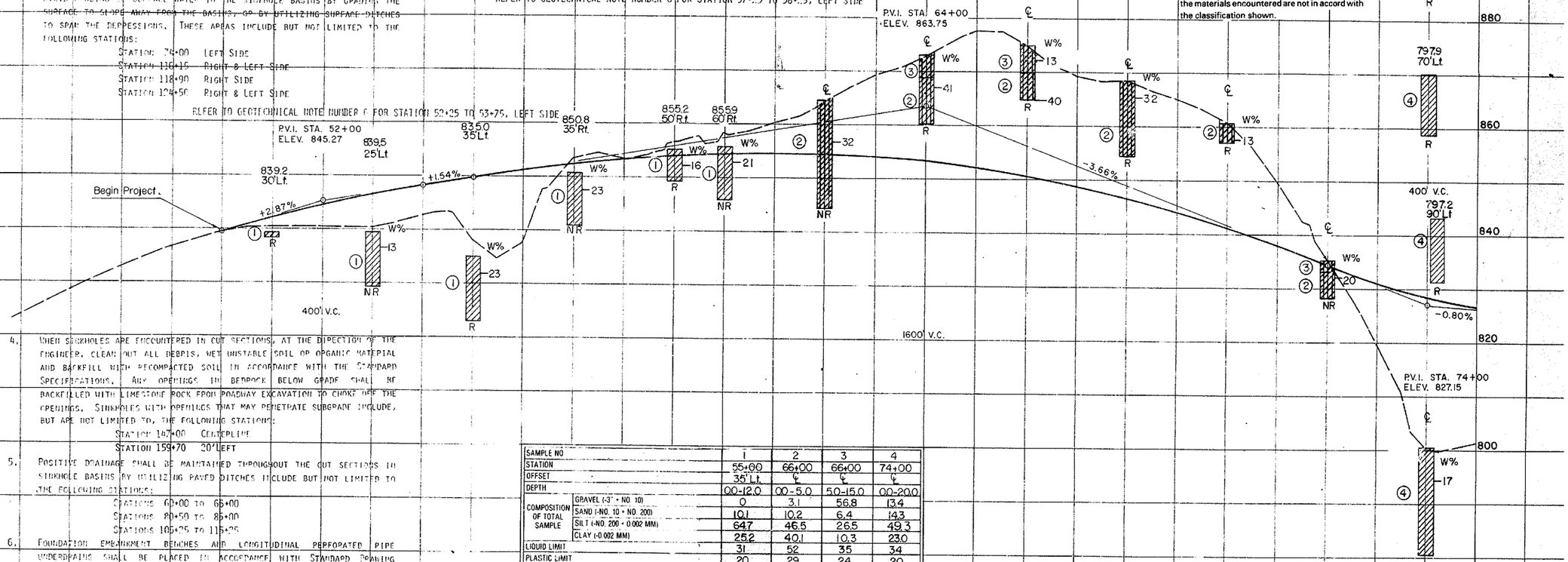
Detailed data and interpretation of subsurface conditions encountered in individual borings are shown on the soil profile. Soil and rock strata discriptions and indicated boundaries are based on engineering interpretation of available subsurface information obtained at selected locations, and may not necessarily reflect the actual variation in subsurface conditions between borings and samples.

The observed water levels and/or subsurface conditions indicated on the soil profile are as recorded at the time of exploration. These water levels and/or subsurface conditions may very considerably with time, according to the prevailing climate, rainfall or other factors and are otherwise dependent on the duration of and methods used in the exploration program.

Selected rock cores and core logs, if applicable, are stored at the Division of Materials in Frankfort and are available for inspection on request. Contact the Division of Materials, Geotechnical Branch for availability information and to schedule an inspection.

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 Department's information and is not to be taken as an indication of classified excavation or the quantity of either rock, earth, or any other material involved.

The bidder must draw his own conclusions 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 when the materials encountered are not in accord with the classification shown.



SAMPLE NO		1	2	3	4
STATION		55+00	66+00	66+00	74+00
OFFSET		35' Lt.	℄	℄	℄
DEPTH		00-12.0	00-5.0	5.0-15.0	00-20.0
COMPOSITION OF TOTAL SAMPLE	GRAVEL (-3" + NO. 10)	0	3.1	56.8	13.4
	SAND (-NO. 10 + NO. 200)	10.1	10.2	6.4	14.3
	SILT (-NO. 200 + 0.002 MM)	64.7	46.5	26.5	49.3
	CLAY (-0.002 MM)	25.2	40.1	10.3	23.0
LIQUID LIMIT		31	52	35	34
PLASTIC LIMIT		20	29	24	20
PLASTICITY INDEX		11	23	11	14
ACTIVITY INDEX		.43	.57	1.06	0.60
SPECIFIC GRAVITY		2.72	2.77	2.72	2.72
AASHTO CLASSIFICATION		A-6(9)	A-7-6(23)	A-6(1)	A-6(9)
UNIFIED CLASSIFICATION		CL	MH-CH	GM-GC	CL
0% + NO 4	CALIF. BEARING RATIO	16.4	6.	11.3	
	DRY DENSITY, AASHTO T-99 (LB/CU FT)	113	100	111	
	OPTIMUM MOISTURE (%)	15	24	15	

REFER TO GEOTECHNICAL NOTE NUMBER 3 FOR STATION 74+00, LEFT SIDE

Soil Profile Sta. 45+00 - Sta. 75+00

45 6 7 8 9 50 1 2 3 4 55 6 7 8 9 60 1 2 3 4 65 6 8 9 70 1 2 3 4 75

839.53 840.48 840.53 840.45 842.70 838.2 837.7 853.4 853.6 856.6 858.5 860.3 864.5 869.5 873.0 877.8 875.1 869.5 867.7 863.3 860.9 849.6 835.3 819.7 800.1 801.2

SOILS AND SUBSURFACE INVESTIGATION BY [illegible] DATE 1987
DRAFTED BY [illegible] DATE 1987

DIETZGEN 11-76
FORM NO. 9

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F 34-1(6)

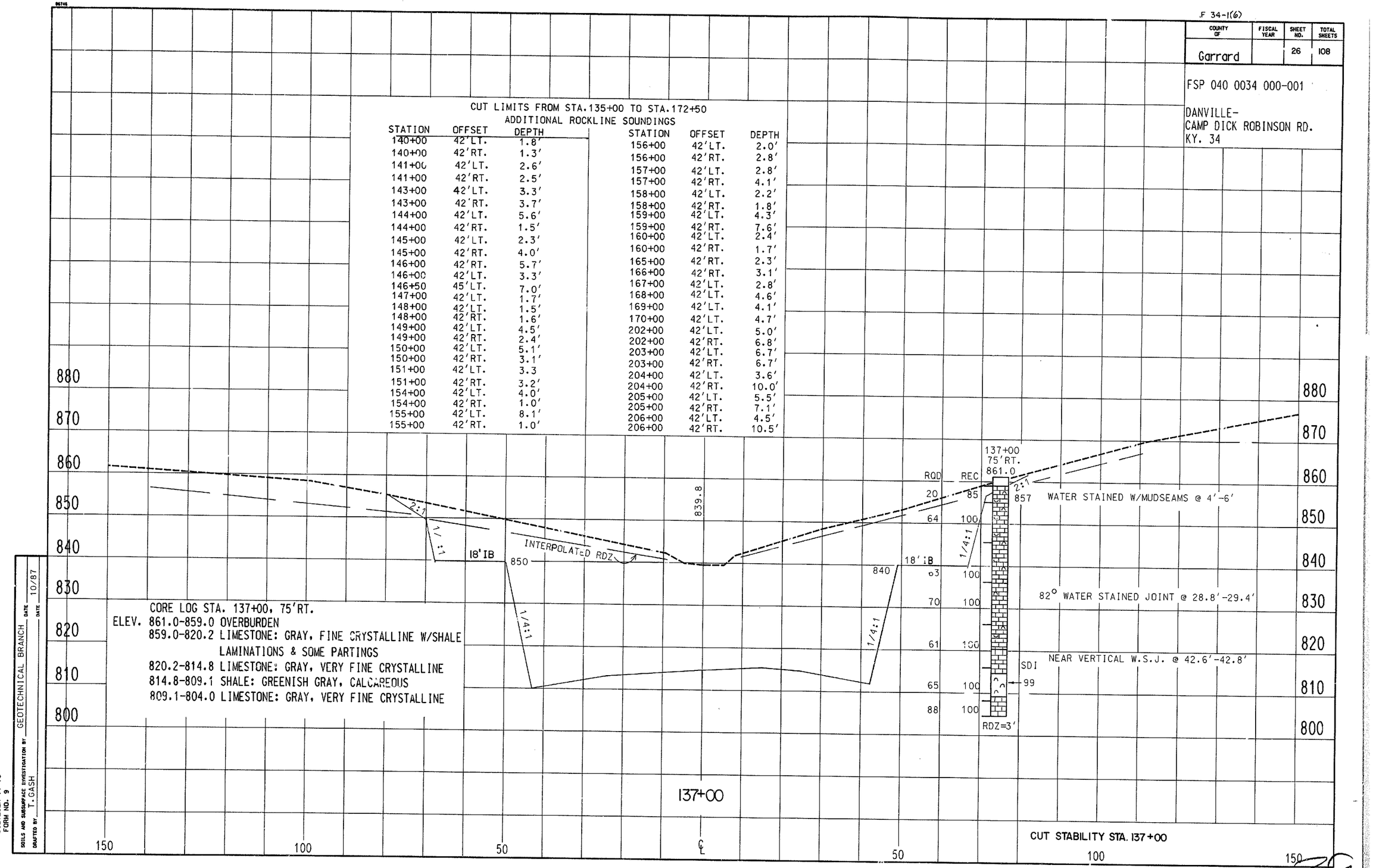
COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Garrard		26	108

FSP 040 0034 000-001

DANVILLE-
CAMP DICK ROBINSON RD.
KY. 34

CUT LIMITS FROM STA.135+00 TO STA.172+50
ADDITIONAL ROCKLINE SOUNDINGS

STATION	OFFSET	DEPTH
140+00	42'LT.	1.8'
140+00	42'RT.	1.3'
141+00	42'LT.	2.6'
141+00	42'RT.	2.5'
143+00	42'LT.	3.3'
143+00	42'RT.	3.7'
144+00	42'LT.	5.6'
144+00	42'RT.	1.5'
145+00	42'LT.	2.3'
145+00	42'RT.	4.0'
146+00	42'RT.	5.7'
146+00	42'LT.	3.3'
146+50	45'LT.	7.0'
147+00	42'LT.	1.7'
148+00	42'LT.	1.5'
148+00	42'RT.	1.6'
149+00	42'LT.	4.5'
149+00	42'RT.	2.4'
150+00	42'LT.	5.1'
150+00	42'RT.	3.1'
151+00	42'LT.	3.3
151+00	42'RT.	3.2'
154+00	42'LT.	4.0'
154+00	42'RT.	1.0'
155+00	42'LT.	8.1'
155+00	42'RT.	1.0'
156+00	42'LT.	2.0'
156+00	42'RT.	2.8'
157+00	42'LT.	2.8'
157+00	42'RT.	4.1'
158+00	42'LT.	2.2'
158+00	42'RT.	1.8'
159+00	42'LT.	4.3'
159+00	42'RT.	7.6'
160+00	42'LT.	2.4'
160+00	42'RT.	1.7'
165+00	42'RT.	2.3'
166+00	42'RT.	3.1'
167+00	42'LT.	2.8'
168+00	42'LT.	4.6'
169+00	42'LT.	4.1'
170+00	42'LT.	4.7'
202+00	42'LT.	5.0'
202+00	42'RT.	6.8'
203+00	42'LT.	6.7'
203+00	42'RT.	6.7'
204+00	42'LT.	3.6'
204+00	42'RT.	10.0'
205+00	42'LT.	5.5'
205+00	42'RT.	7.1'
206+00	42'LT.	4.5'
206+00	42'RT.	10.5'



CORE LOG STA. 137+00, 75'RT.
ELEV. 861.0-859.0 OVERBURDEN
859.0-820.2 LIMESTONE: GRAY, FINE CRYSTALLINE W/SHALE LAMINATIONS & SOME PARTINGS
820.2-814.8 LIMESTONE: GRAY, VERY FINE CRYSTALLINE
814.8-809.1 SHALE: GREENISH GRAY, CALCAREOUS
809.1-804.0 LIMESTONE: GRAY, VERY FINE CRYSTALLINE

SOILS AND SUBSURFACE INVESTIGATION BY GEOTECHNICAL BRANCH DATE 10/87
DRAFTED BY T. GASH DATE

DIETZGEN 11-76
FORM NO. 9

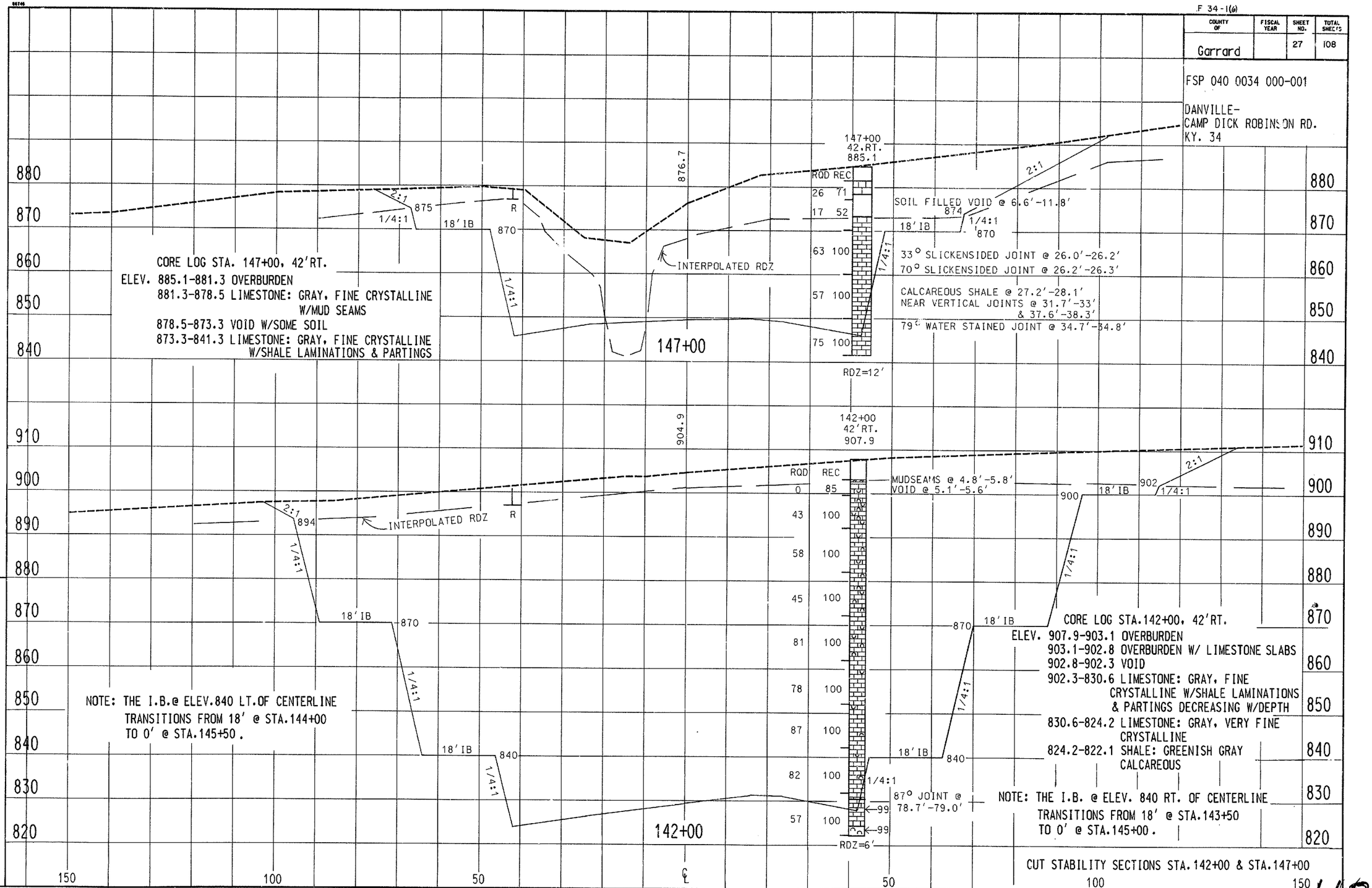
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F 34-1(6)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Garrard		27	108

FSP 040 0034 000-001

DANVILLE-
CAMP DICK ROBINSON RD.
KY. 34



DIETZGEN 11-76
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SOILS AND SUBSURFACE INVESTIGATION BY GEOTECHNICAL BRANCH DATE 10/87

DR T.GASH CO BY DATE

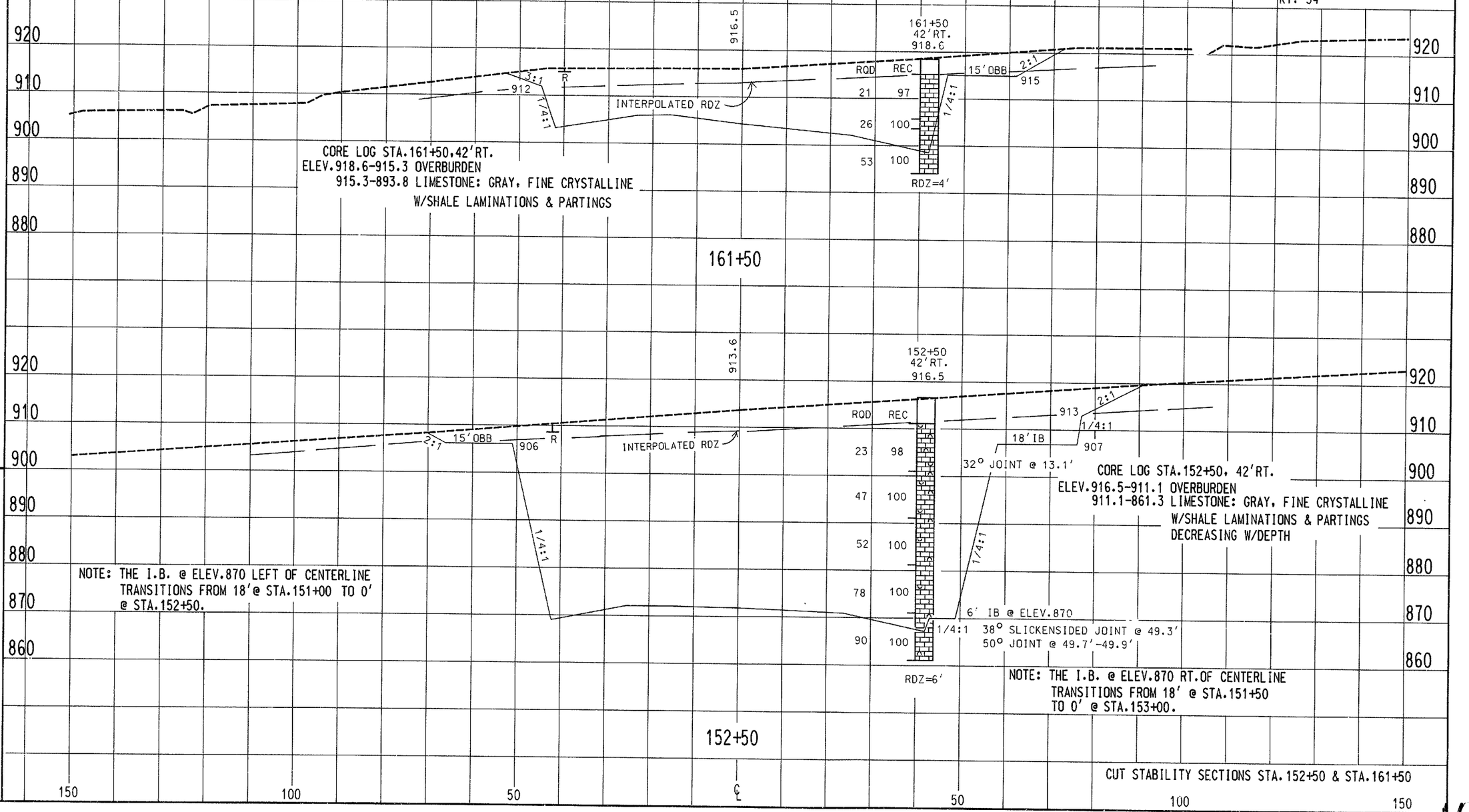
40

F 34-1(6)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Garrard		28	108

FSP 040 0034 000-001

DANVILLE-
CAMP DICK ROBINSON RD.
KY. 34



CORE LOG STA.161+50, 42'RT.
ELEV.918.6-915.3 OVERBURDEN
915.3-893.8 LIMESTONE: GRAY, FINE CRYSTALLINE
W/SHALE LAMINATIONS & PARTINGS

NOTE: THE I.B. @ ELEV.870 LEFT OF CENTERLINE TRANSITIONS FROM 18'@ STA.151+00 TO 0' @ STA.152+50.

CORE LOG STA.152+50, 42'RT.
ELEV.916.5-911.1 OVERBURDEN
911.1-861.3 LIMESTONE: GRAY, FINE CRYSTALLINE
W/SHALE LAMINATIONS & PARTINGS
DECREASING W/DEPTH

NOTE: THE I.B. @ ELEV.870 RT.OF CENTERLINE TRANSITIONS FROM 18' @ STA.151+50 TO 0' @ STA.153+00.

CUT STABILITY SECTIONS STA. 152+50 & STA. 161+50

SOILS AND SUBSURFACE INVESTIGATION BY GEOTECHNICAL BRANCH DATE 10/87
DRAFTED BY T. GASH

DIETZGEN 11-76
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F 34 - 1(6)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOT SHE
GARRARD		29	106

FSP 040 0034 000-001

DANVILLE-
CAMP DICK ROBINSON RD.
KY. 34

REFER TO GEOTECHNICAL NOTE NUMBER 4 FOR STATION 159+70, 20' LEFT

P.V.I. STA. 164+00
ELEV. 917.50

Sinkhole
159+70, 120' Lt.

920.0
50' Rt.

912.0
50' Rt.

W% 12

-0.50%

W% 13

W% 17

W% 20

Sinkhole, ℄

REFER TO GEOTECHNICAL NOTE NUMBER 4 FOR STATION 147+00, CENTERLINE

+4.00%

1400' V.C.

600' V.C.

+0.49983%

Sta. 147+09 End Bridge Replacement
Begin Widening
FSP 040 0034 000-001
BRF-F 34-1(1)

Sta. 135+50 Begin Bridge Replacement
Grade, Drain And Surfacing

P.V.I. STA. 138+00
ELEV. 813.50

SAMPLE NO.		18	19	20
STATION		144+00	154+00	162+00
OFFSET		℄	℄	50Rt
DEPTH		0.0 - 0.3	00 - 5.0	00 - 6.5
COMPOSITION OF TOTAL SAMPLE	GRAVEL (-3" + NO. 10)	0.0	0.0	7.7
	SAND (-NO. 10 + NO. 200)	7.4	6.1	9.5
	SILT (-NO. 200 + 0.002 MM)	68.6	54.3	37.9
	CLAY (-0.002 MM)	24	39.6	44.9
LIQUID LIMIT		34	42	54
PLASTIC LIMIT		23	22	25
PLASTICITY INDEX		11	20	29
ACTIVITY INDEX		0.45	0.50	0.64
SPECIFIC GRAVITY		2.74	2.75	2.78
AASHTO CLASSIFICATION		A-6 (11)	A-7-6(20)	A-7-6(28)
UNIFIED CLASSIFICATION		ML-CL	CL	CH
0% + NO. 4	CALIF. BEARING RATIO	14.6	6.8	4.9
	DRY DENSITY, AASHTO T-99 (pcf)	106	104	105
	OPTIMUM MOISTURE (%)	19	20	21

Soil Profile Sta. 135+00 - Sta. 165+00

SOILS AND SUBSURFACE INVESTIGATION BY Geotechnical Branch DATE 1987
DRAFTED BY B. Evans DATE 1987

DIETZGEN 11-76
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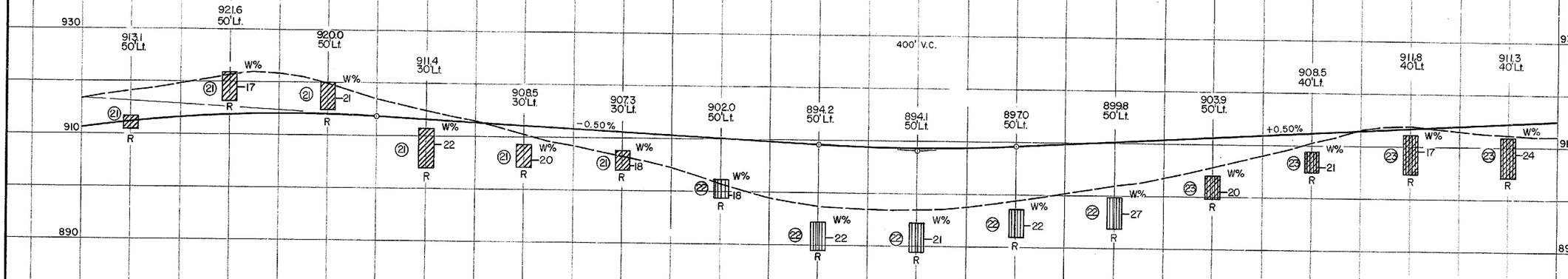
42

F 34-1(6)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
GARRARD		30	108

FSP 040 0034 000-001

DANVILLE-
CAMP DICK ROBINSON RD.
KY. 34



SAMPLE NO.		21	22	23
STATION		168+00	180+00	190+00
OFFSET		50'Lt.	50'Lt.	40'Lt.
DEPTH		0.0-5.5	0.0-5.5	0.0-4.0
COMPOSITION OF TOTAL SAMPLE	GRAVEL (-3" + NO. 10)	0.0	0.0	0.0
	SAND (-NO. 10 + NO. 200)	43	11.7	10.2
	SILT (-NO. 200 + 0.002 MM)	33.6	72	54.9
	CLAY (-0.002 MM)	62.1	16.3	34.9
LIQUID LIMIT		70	38	49
PLASTIC LIMIT		28	27	26
PLASTICITY INDEX		42	11	23
ACTIVITY INDEX		0.67	0.67	0.65
SPECIFIC GRAVITY		2.83	2.71	2.77
AASHTO CLASSIFICATION		A-7-6(47)	A-6 (11)	A-7-6 (23)
UNIFIED CLASSIFICATION		CH	ML	ML-CL
0% + NO. 4	CALIF. BEARING RATIO	3.3	14.7	10
	DRY DENSITY, AASHTO T-99 (pcf)	99	103	100
	OPTIMUM MOISTURE (%)	24	20	22

P.V.I. Sta. 182+00
ELEV. 908.50

Soil Profile Sta. 165+00 - Sta. 195+00

165	6	7	8	9	170	1	2	3	4	175	6	7	8	9	180	1	2	3	4	185	6	7	8	9	190	1	2	3	4	195
916.83	918.22	919.80	921.50	921.95	920.01	917.17	915.03	913.26	910.86	909.68	906.90	904.81	901.88	899.22	897.80	897.19	897.13	897.85	899.14	900.57	902.15	903.68	905.97	908.12	910.66	913.10	913.97	913.05	912.18	912.04

SOILS AND SUBSURFACE INVESTIGATION BY Semonkoski Bossard DATE 1987
DRAFTED BY S Scott DATE 1987

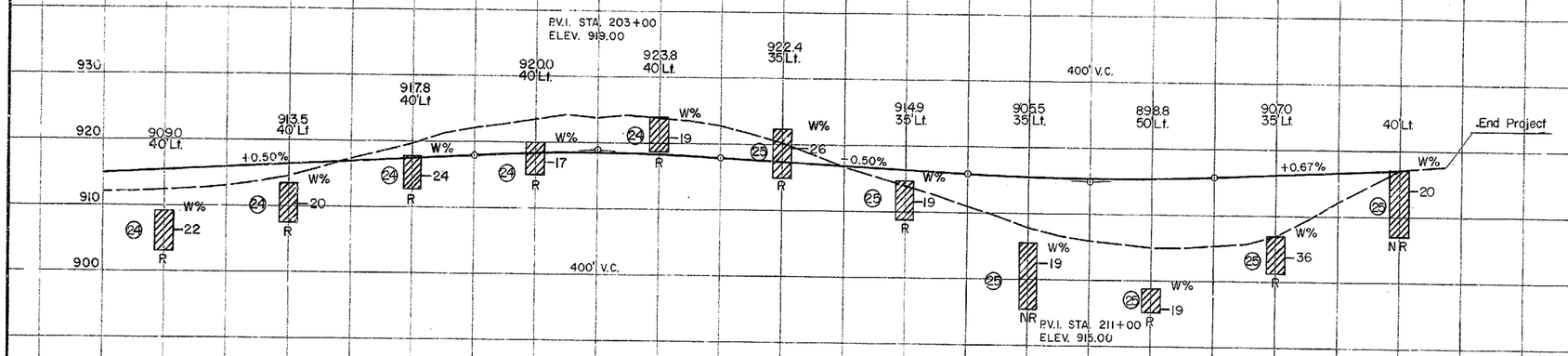
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F 34-1(6)

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
GARRARD		31	108

FSP 040 0034 000-001

DANVILLE-
CAMP DICK ROBINSON RD.
KY. 34



SAMPLE NO.		24	25
STATION		196+00	208+00
OFFSET		40' Lt	35' Lt
DEPTH		0.0 - 6.0	0.0 -6.0
COMPOSITION OF TOTAL SAMPLE	GRAVEL (-3" + NO. 10)	0.0	0.0
	SAND (-NO. 10 + NO. 200)	10.1	14.7
	SILT (-NO. 200 + 0.002 MM)	41.5	31.3
	CLAY (-0.002 MM)	48.4	54
LIQUID LIMIT		58	62
PLASTIC LIMIT		25	27
PLASTICITY INDEX		33	35
ACTIVITY INDEX		0.68	0.64
SPECIFIC GRAVITY		2.81	2.81
AASHTO CLASSIFICATION		A-7-6 (33)	A-7-6 (33)
UNIFIED CLASSIFICATION		CH	CH
0% + NO. 4	CALIF. BEARING RATIO	6.5	56
	DRY DENSITY, AASHTO T-99 (pcf)	100	95
	OPTIMUM MOISTURE (%)	23	26

SOILS AND SUBSURFACE INVESTIGATION BY Geotechnical Branch DATE 1987

DRAFTED BY S. Evans DATE 1987

DIETZGEN 11-76
FORM NO. 9

212.04 912.36 913.06 914.72 917.39 919.57 922.07 923.43 923.83 923.96 922.85 920.13 916.79 913.99 910.98 907.94 906.03 905.13 905.40 907.00 912.06

195 6 7 8 9 200 1 2 3 4 205 6 7 8 9 210 1 2 3 4 215 6 7 8

Soil Profile Sta.195+00 - Sta.218+00.