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SHEET NO.	DESIGNATION	B. P. R. APPROVAL	DATE ADOPTED A. OF LATEST REVISION "R"
1	TITLE SHEET		
2	STD. DIV. LANE (NEW/MAY 1967)	NONE	R-12/3/68
3	STD. CONT. REINF. CONC. PAVT. SHEET "CRC-A"	9/25/68	R-6/26/68
4	STD. CONT. REINF. CONC. PAVT. SHEET "CRC-B"	9/25/68	R-6/26/68
5	STD. CONT. REINF. CONC. PAVT. SHEET "CRC-C"	NONE	R-6/26/68
6	STD. CROSS SECTION		
6B7	TYPICAL CROSS SECTION		
7	STD. 8 INCH RAMP SECTION		
8	STD. 10 INCH RAMP SECTION		
9	PLAT NO. 1		
10-28	STD. PAVEMENT JOINTS SHEET "X"	7/1/68	R-3/8/68
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49	MISCELLANEOUS STANDARDS SHEET "MB"	12/19/67	R-11/10/67
50	MISCELLANEOUS STANDARDS SHEET "MC"	NONE	R-10/15/68
51	MISCELLANEOUS STANDARDS SHEET "MD"	7/1/68	R-9/6/68
52	MISCELLANEOUS STANDARDS SHEET "ME"	10/5/66	R-9/6/66
53	MISCELLANEOUS STANDARDS SHEET "MF"	8/2/68	R-7/26/68
54	MISCELLANEOUS STANDARDS SHEET "MG"	10/3/68	R-6/17/68
55	MISCELLANEOUS STANDARDS SHEET "MH"	6/2/68	R-4/11/68
56	MISCELLANEOUS STANDARDS SHEET "MI"	NONE	R-17/4/67
57	MISCELLANEOUS STANDARDS SHEET "MJ"	NONE	A-NOV. 1967
58	MISCELLANEOUS STANDARDS SHEET "MK"	2/8/68	A-JULY 1965
59	MISCELLANEOUS STANDARDS SHEET "ML"	4/1/68	R-3/8/68
60	MISCELLANEOUS STANDARDS SHEET "MM"	NONE	R-10/28/68
61	MISCELLANEOUS STANDARDS SHEET "MN"	NONE	R-12/3/68
62	MISCELLANEOUS STANDARDS SHEET "MO"	10/2/68	R-7/26/68
63	MISCELLANEOUS STANDARDS SHEET "MP"	6/13/68	R-4/11/68
64	MISCELLANEOUS STANDARDS SHEET "MQ"	NONE	R-10/28/68
65	MISCELLANEOUS STANDARDS SHEET "MR"	7/19/68	R-6/17/68
66	MISCELLANEOUS STANDARDS SHEET "MS"	NONE	R-10/3/68
67	MISCELLANEOUS STANDARDS SHEET "MT"	NONE	R-10/3/68
68	MISCELLANEOUS STANDARDS SHEET "MU"	12/1/67	R-3/16/67
69	MISCELLANEOUS STANDARDS SHEET "MV"	NONE	R-4/11/68
70A	GUARD RAIL SHEET "GR-1"	NONE	R-12/3/68
70B	GUARD RAIL SHEET "GR-2"	NONE	R-12/3/68
70C	GUARD RAIL SHEET "GR-3"	NONE	R-12/3/68
70D	BRIDGE STANDARD SHEET "M-2"	8/10/61	R-5/1/61
71	STD. FOR SUPERELEVATION	NONE	A-NOV. 1967
72	STD. DETOUR SIGNS SHEET 1	NONE	R-12/10/68
73	STD. DETOUR SIGNS SHEET 2	NONE	R-12/10/68
74	STD. DETOUR SIGNS SHEET 3	NONE	R-5/6/68
75	STD. DETOUR SIGNS SHEET 3A	NONE	R-10/28/68
76	STD. DETOUR SIGNS SHEET 3B	NONE	R-12/10/68
77	SPECIAL SIGNS	NONE	R-5/6/68
78	CONST. IDENTIFICATION SIGNS	6/13/68	R-4/5/68
79-151	CROSS SECTIONS		

SHEET NO. 22

SHEET NO.	DATE	REVISED
19227	4-12-71	R/W
ALL	8-2-71	Per R/W Dept.
18 & 20	8-18-71	Water Encase of Comb. Drive
8, 15, 16, 24, 35, 44, 45A	10-13-71	Access Road No. 4
8, 17, 44 & 45A	10-13-71	Access Road No. 4A
8 & 18	10-13-71	Spies St. Extended
18 & 44	8-21-72	Class II 11m Spies St. Rd.

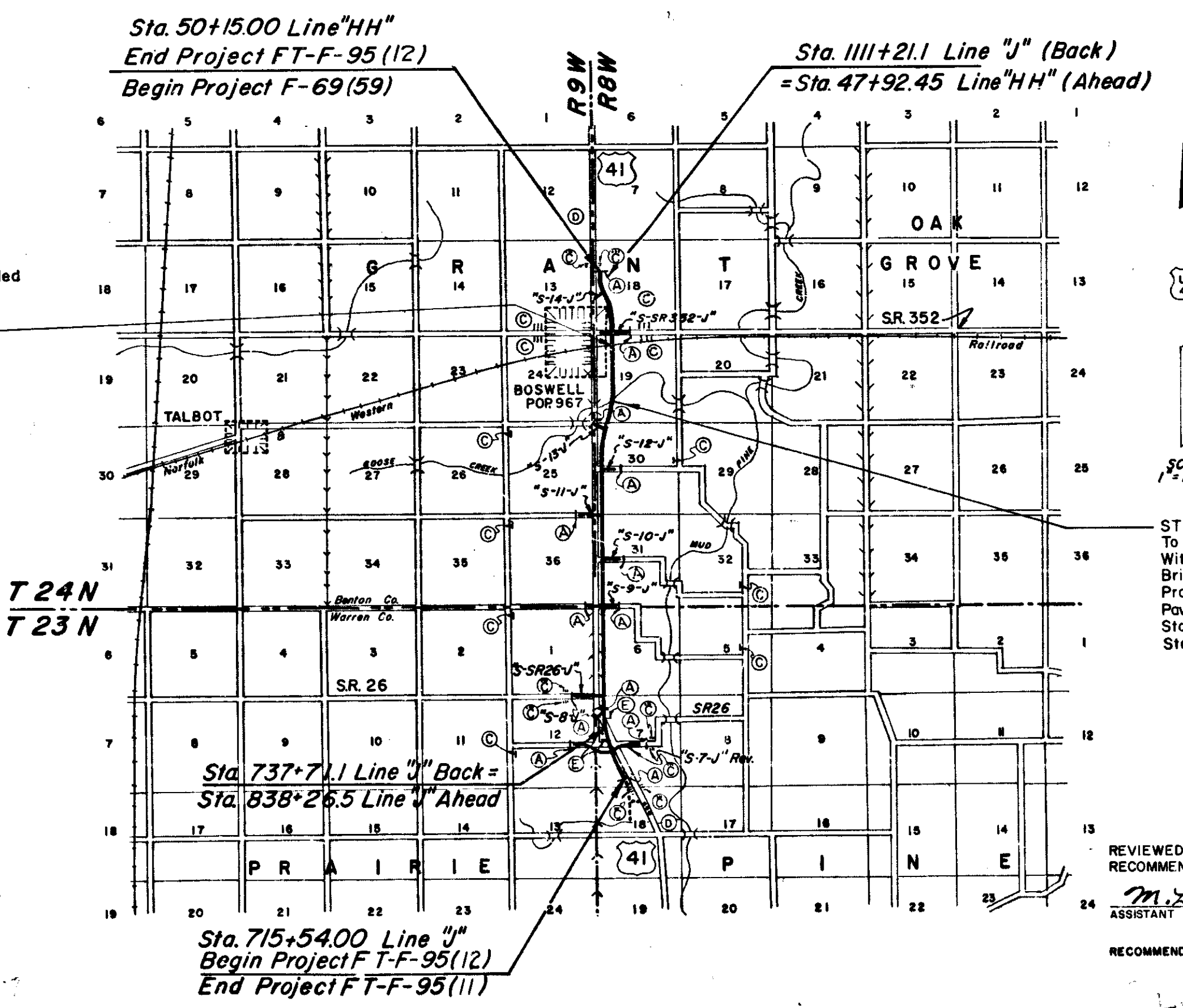
Flashing Lights To Be Installed Under Separate Contract — Sta. 1067+64.73 F-Project No. 95(13) Exception: Sta. 1067+53.22 to Sta. 1067+62.22 and Sta. 1067+67.25 to Sta. 1067+76.25

STATE OF INDIANA  
INDIANA STATE HIGHWAY COMMISSION

PLAN AND PROFILE OF PROPOSED  
**STATE HIGHWAY**  
ST-F PROJECT NO. 95 (8) P.E.  
FT-F PROJECT NO. 95 (10) R/W  
(12) Const.

Commencing At A Point Approximately 2,145 Feet East Of And 719 Feet North Of The Southwest Corner Of Section 7, Township 23 North, Range 8 West In Warren County And Running In A Northerly Direction For A Distance Of 29,734.23 Feet To A Point 4,015 Feet North Of And 42 Feet East Of The Southwest Corner Of Section 18, Township 24 North, Range 8 West In Benton County. All In Warren And Benton Counties.

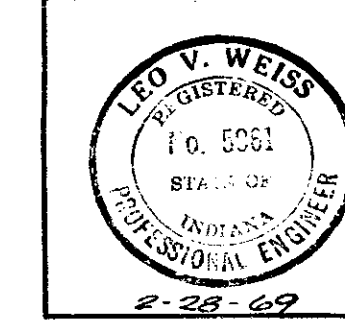
GROSS LENGTH: 5.63+ MI.  
NET LENGTH: 5.628 MI.  
SCALES:  
PLAN {LONG: 1"=100' PROFILE {HORIZ: 1"=100'  
{TRANS: 1"=100' {VERT: 1"=10'  
MAX. GRADE 1.00%  
MAX. CURVE 1°45'



- LEGEND
- (A) BARRICADE, TYPE III
  - (C) CONSTRUCTION SIGN TYPE "A"
  - (D) CONSTRUCTION IDENTIFICATION SIGN
  - (E) PERMANENT BARRICADE TYPE "

Plans Prepared By  
**Engineer Associates, Inc.**  
425 S. THIRD AVE. EVANSVILLE, IND.

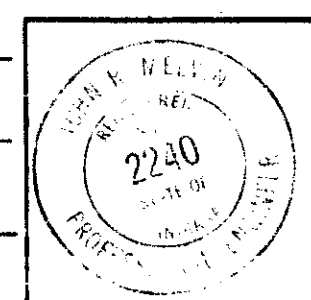
Leo V. Weiss  
RE. No. 5961



STRUCTURE NO. 1  
To Be Built In Combination With Road Contract Bridge File No. 41-04-5915 Project No. FT-F-95 (12) Paving Exception: Sta. 1041+14.50 To Sta. 1042+05.50 Line "J"

APPROVED 3-18-69  
*[Signature]*  
CHIEF ENGINEER - INDIANA STATE HIGHWAY COMMISSION

REVIEWED & RECOMMENDED FOR APPROVAL 3-17-69  
*[Signature]*  
ASSISTANT ENGINEER OF PLANS AND SPECIFICATIONS



FEDERAL HIGHWAY ADMINISTRATION  
DEPARTMENT OF TRANSPORTATION

APPROVED \_\_\_\_\_  
DIVISION ENGINEER DATE \_\_\_\_\_

ROAD FILE :-

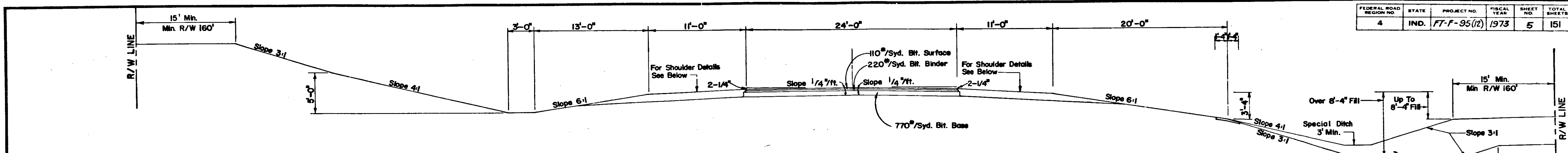
PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
FT-F-95(2)	J	1	151	

INDIANA STATE HIGHWAY COMMISSION  
STANDARD SPECIFICATIONS DATED 1971  
TO BE USED WITH THESE PLANS.

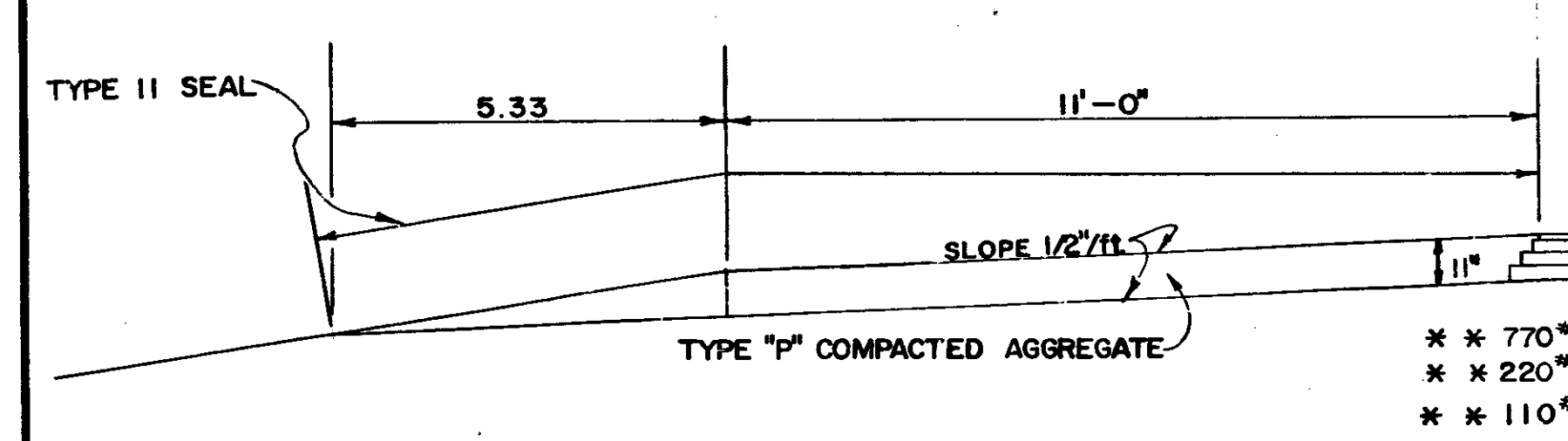




FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	FT-F-95(12)	1973	5	151

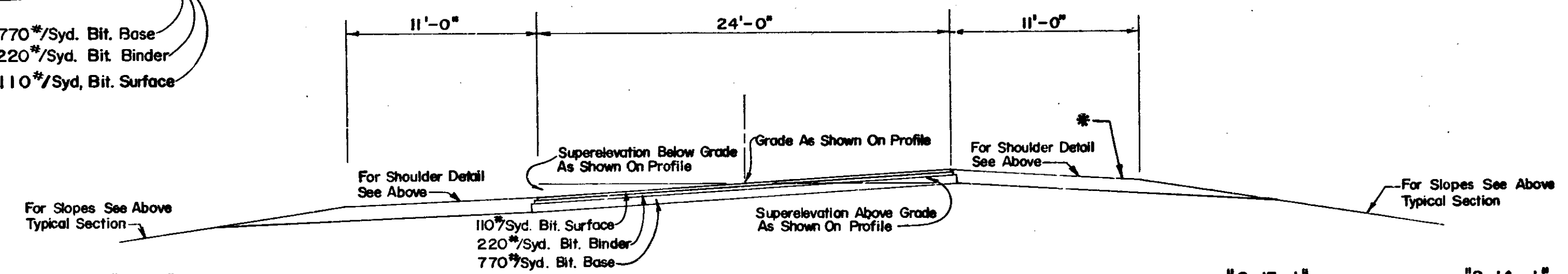


**ON TANGENTS AND ON CURVES OF 0° 29.99' OR LESS**

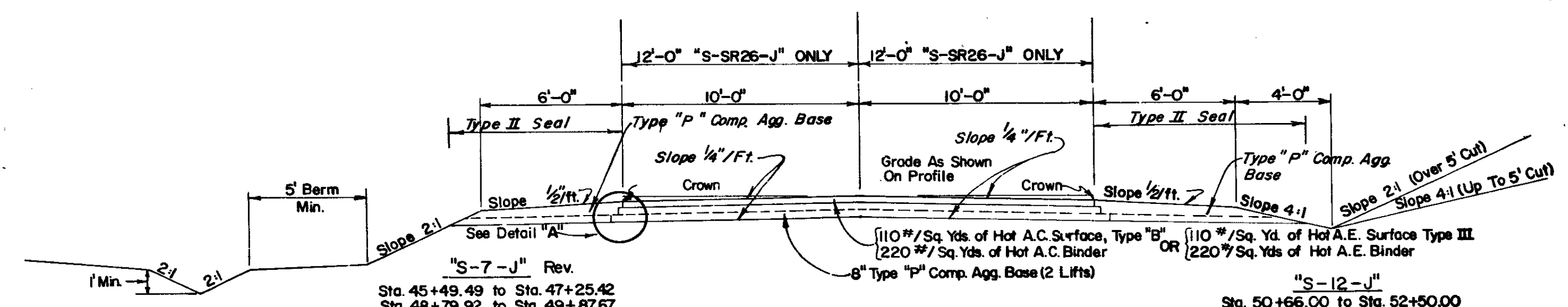


"S-7-J" Rev.	"S-SR26-J"	"S-13-J"	"S-SR352-J"	"S-14-J"
Sta. 51+28.15 to Sta. 52+62.41 Sta. 54+44.08 to Sta. 54+50.00	Sta. 13+00.00 to Sta. 15+74.25	Sta. 44+50.00 to Sta. 45+68.70 Sta. 48+51.10 to Sta. 49+42.53	Sta. 47+50.00 to Sta. 49+45.73 Sta. 50+54.27 to Sta. 53+00.00	Sta. 45+00.00 to Sta. 45+45.30 Sta. 48+27.80 to Sta. 49+42.53

- \*\* 110#/SYD. HAC SURFACE TYPE "B"
  - \*\* 220#/SYD. HAC BINDER
  - \*\* 770#/SYD. HAC BASE
- OR
- \*\* 110#/SYD. HAE SURFACE TYPE III
  - \*\* 220#/SYD. HAE BINDER
  - \*\* 770#/SYD. HAE BASE

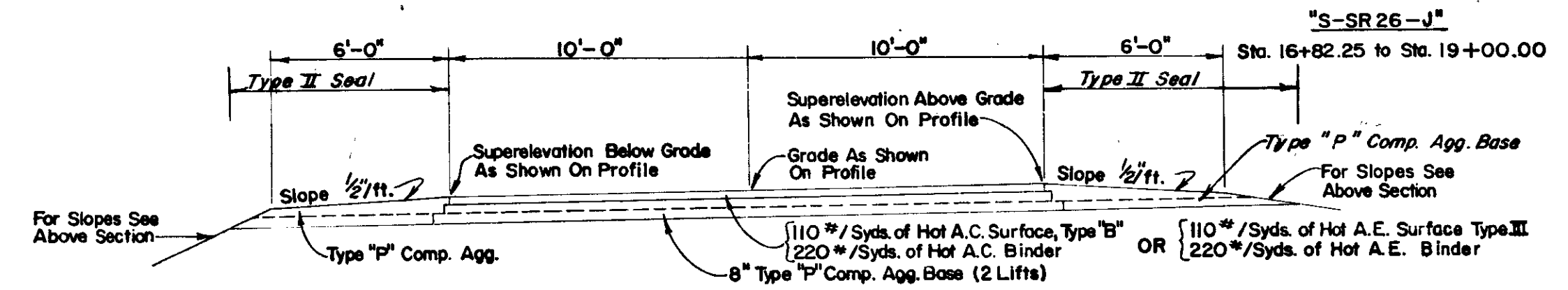
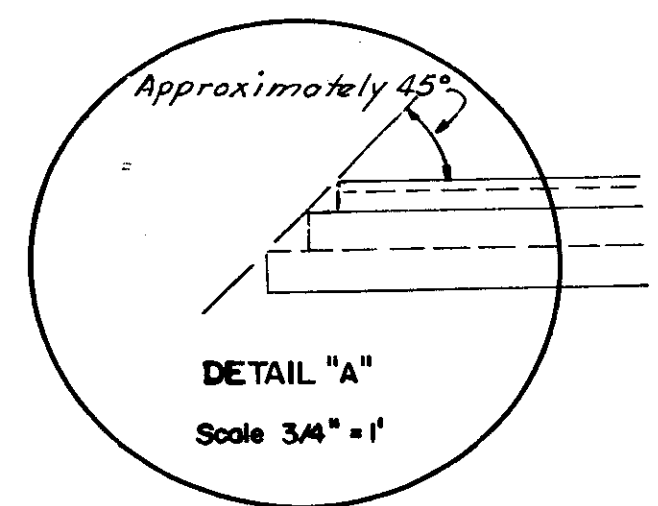


**ON CURVES TO LEFT OF MORE THAN 0° 30' (CURVES TO RIGHT REVERSED)**



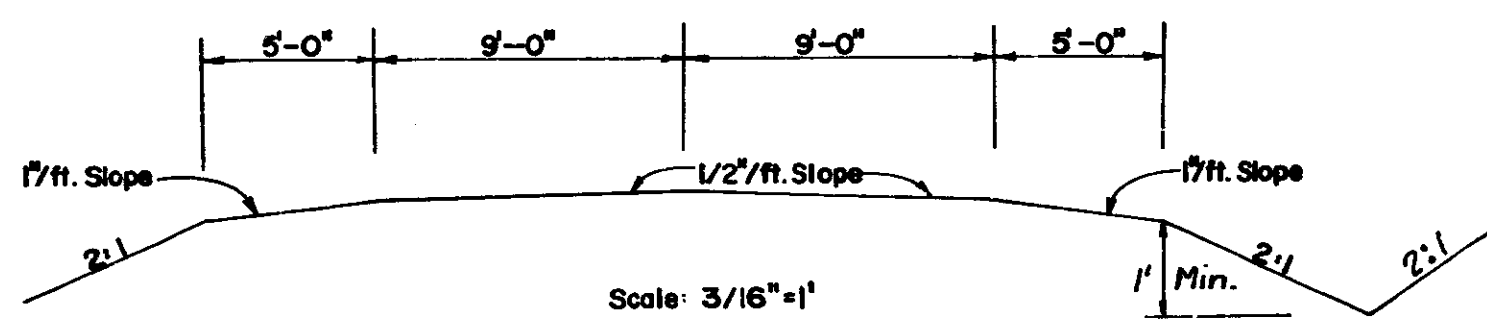
**TYPICAL TANGENT SECTION**

"S-7-J" Rev.	"S-8-J"	"S-9-J"	"S-10-J"	"S-11-J"	"S-12-J"
Sta. 45+49.49 to Sta. 47+25.42 Sta. 48+79.92 to Sta. 49+87.67	Sta. 46+00.00 to Sta. 46+05.50 Sta. 47+86.30 to Sta. 48+46.00	Sta. 47+40.00 to Sta. 49+46.00 Sta. 50+66.00 to Sta. 53+00.00	Sta. 50+66.00 to Sta. 53+00.00	Sta. 47+13.00 to Sta. 49+46.00	Sta. 50+66.00 to Sta. 52+50.00



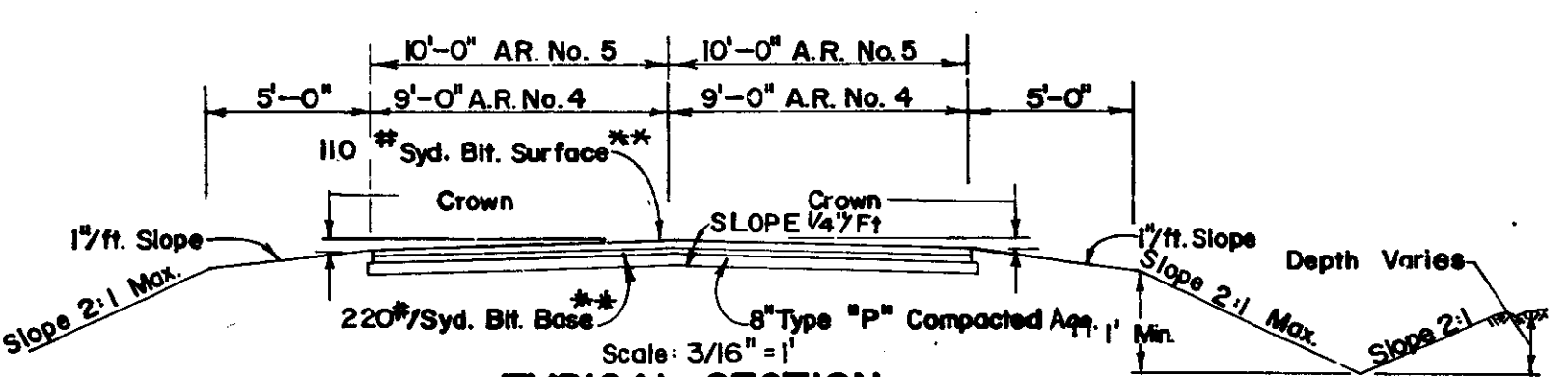
**TYPICAL SUPERELEVATED SECTION (CURVES TO RIGHT REVERSED)**

"S-7-J" Rev.	"S-8-J"
Sta. 44+49.49 to Sta. 45+49.49 Sta. 47+25.42 to Sta. 48+79.92	Sta. 46+05.50 to Sta. 48+79.92



**TYPICAL SECTION ACCESS ROAD NO. 4**

4 (STA. 2+09.50 TO STA. 13+95.33)  
4A (LT. STA. 1018+59.6 LINE "J")



**TYPICAL SECTION ACCESS ROAD NO. 5**

4 (STA. 0+69.17 TO 2+09.50)  
5 (LT. STA. 53+00.00 LINE "S-SR 352 J")

**TYPICAL CROSS SECTIONS**

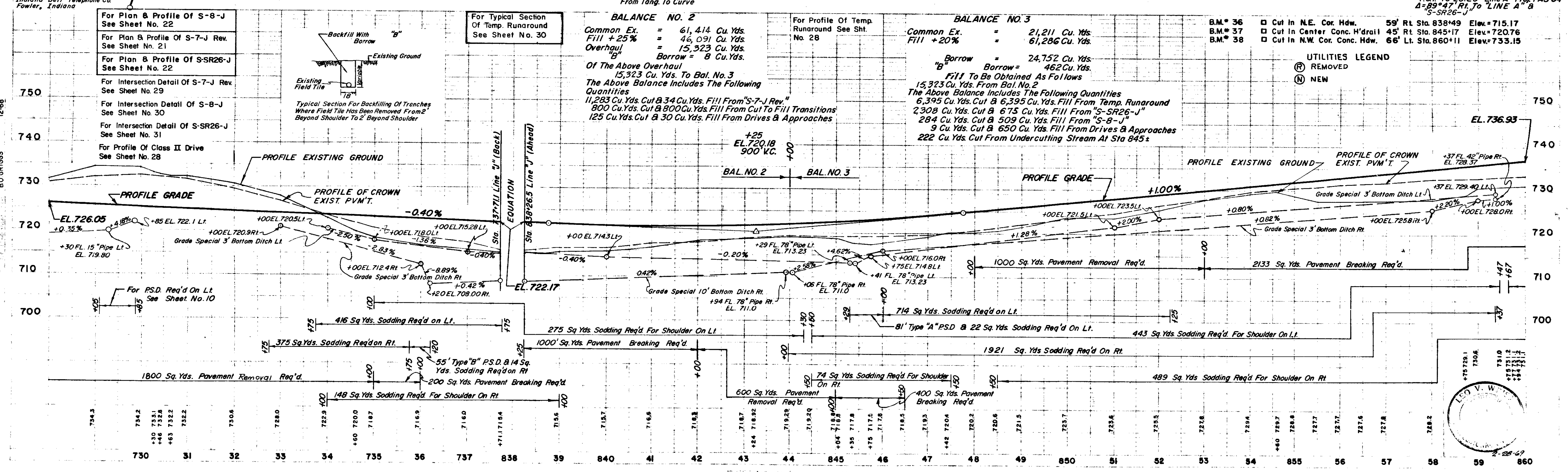
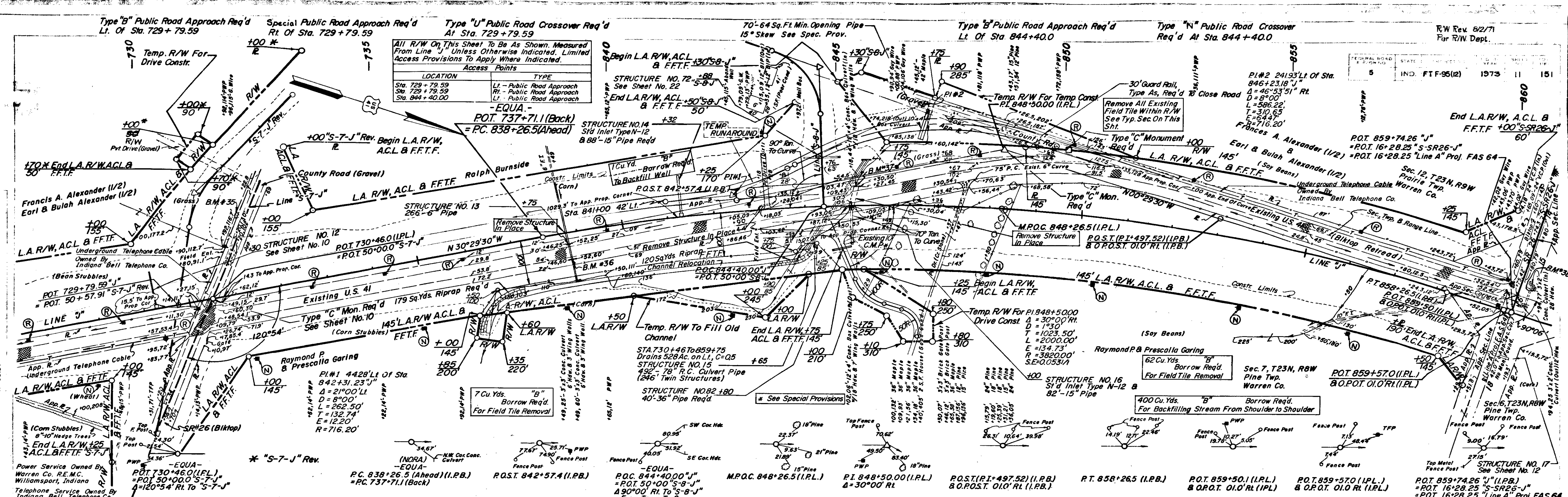
SCALE: AS SHOWN

RECOMMENDED FOR APPROVAL \_\_\_\_\_

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
FT-F-95(12)	"J"	5	151	







**BALANCE NO. 2**

Common Ex.	=	61,414 Cu. Yds.
Fill + 25%	=	46,091 Cu. Yds.
Overhaul	=	15,323 Cu. Yds.
Borrow	=	8 Cu. Yds.

**BALANCE NO. 3**

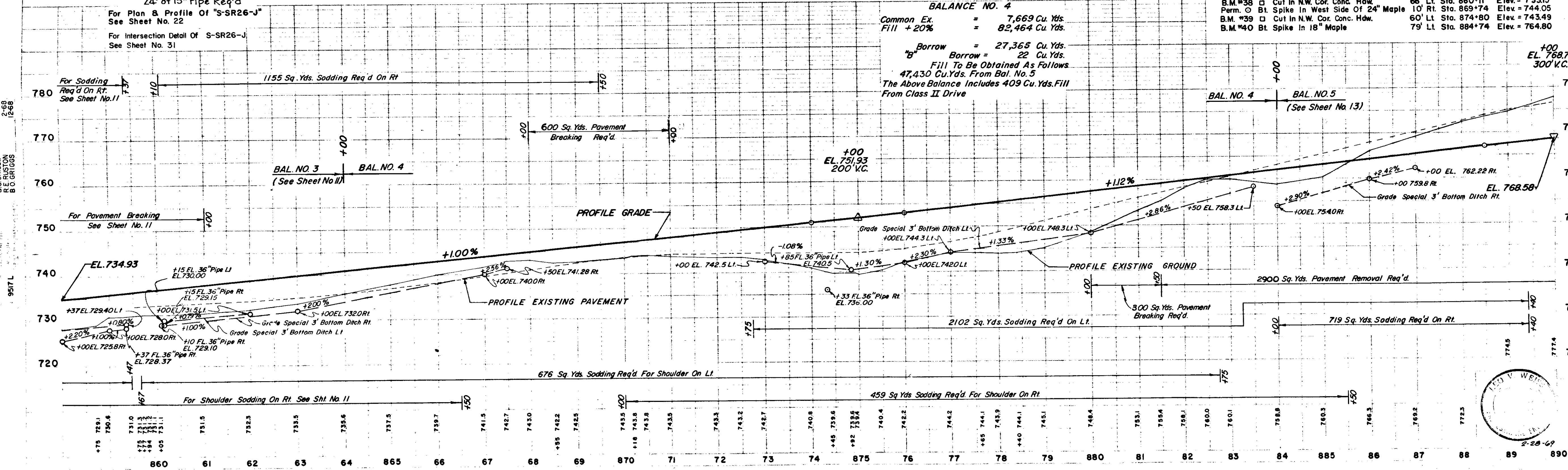
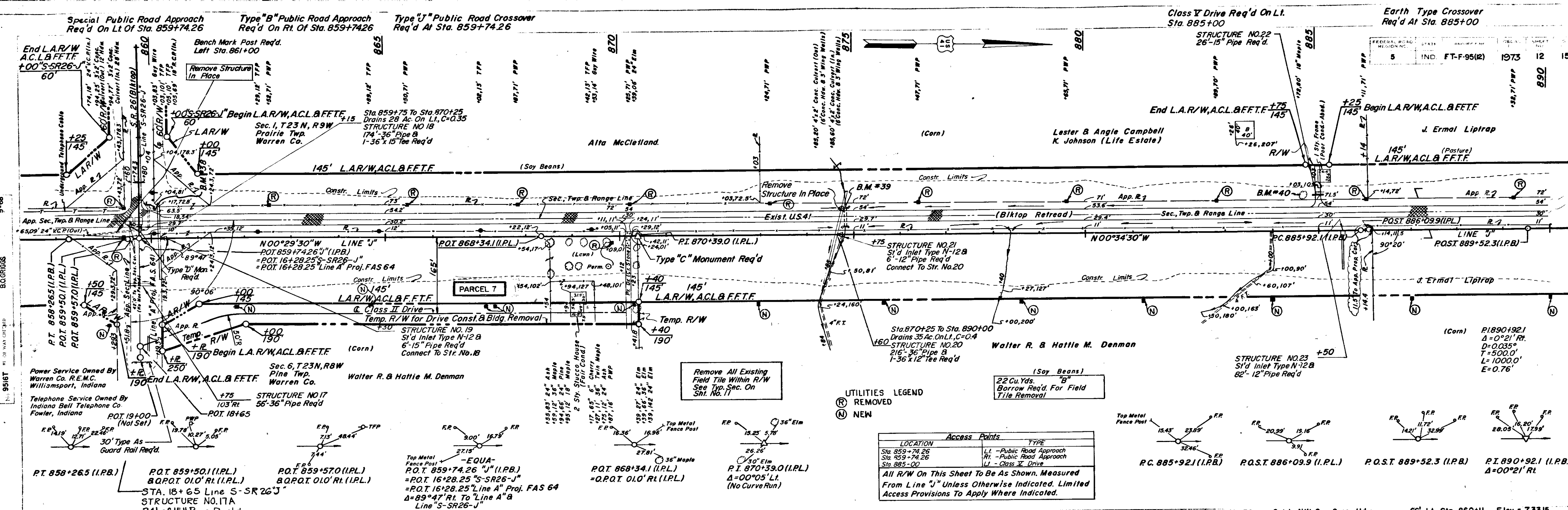
Common Ex.	=	21,211 Cu. Yds.
Fill + 20%	=	61,286 Cu. Yds.
Borrow	=	24,752 Cu. Yds.
Fill To Be Obtained As Follows	=	462 Cu. Yds.

For Plan & Profile Of S-8-J See Sheet No. 22  
 For Plan & Profile Of S-7-J Rev. See Sheet No. 21  
 For Plan & Profile Of S-SR26-J See Sheet No. 22  
 For Intersection Detail Of S-7-J Rev. See Sheet No. 29  
 For Intersection Detail Of S-8-J See Sheet No. 30  
 For Intersection Detail Of S-SR26-J See Sheet No. 31  
 For Profile Of Class II Drive See Sheet No. 28

For Profile Of Temp. Runaround See Sht. No. 28  
 For Profile Of Temp. Runaround See Sht. No. 28  
 For Profile Of Temp. Runaround See Sht. No. 28

**UTILITIES LEGEND**

REMOVED  
 NEW



**BALANCE NO. 4**

Common Ex. = 7,669 Cu. Yds.  
 Fill +20% = 82,464 Cu. Yds.  
 Borrow = 27,365 Cu. Yds.  
 Borrow = 22 Cu. Yds.  
 Fill To Be Obtained As Follows  
 47,430 Cu. Yds. From Bal. No. 5  
 The Above Balance Includes 409 Cu. Yds. Fill  
 From Class II Drive

**Access Points**

LOCATION	TYPE
Sta. 859+74.26	LI - Public Road Approach
Sta. 859+74.26	RI - Public Road Approach
Sta. 885+00	LI - Class II Drive

All R/W On This Sheet To Be As Shown, Measured From Line "J" Unless Otherwise Indicated. Limited Access Provisions To Apply Where Indicated.

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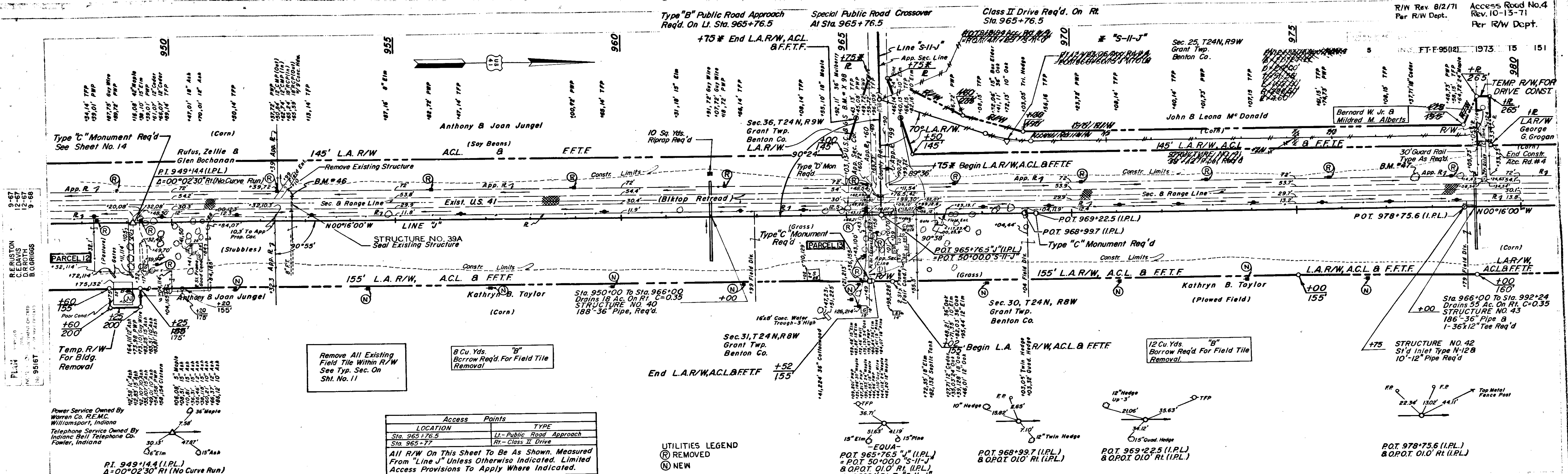


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R/W Rev. 6/2/71  
Per R/W Dept.

Access Road No. 4  
Rev. 10-13-71  
Per R/W Dept.



LOCATION	TYPE
Sta. 965+76.5	LI - Public Road Approach
Sta. 965+77	RI - Class II Drive

All R/W On This Sheet To Be As Shown. Measured From "Line J" Unless Otherwise Indicated. Limited Access Provisions To Apply Where Indicated.

UTILITIES LEGEND  
 (R) REMOVED  
 (N) NEW

For Plan & Profile of "S-II-J"  
See Sheet No. 24

For Profile of Access  
Road No. 4 See Sheet No. 28

For Intersection Detail Of "S-II-J"  
See Sheet No. 34

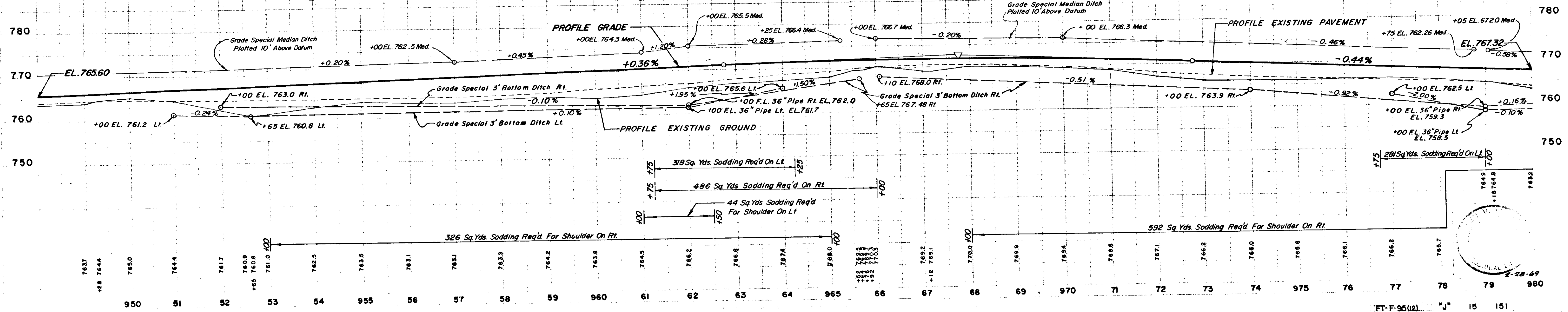
**BALANCE NO. 8**

Common Ex. = 9,217 Cu. Yds.  
 Fill + 25% = 24,630 Cu. Yds.  
 Borrow = 15,413 Cu. Yds.

**BALANCE NO. 9**

Common Ex. = 11,011 Cu. Yds.  
 Fill + 25% = 28,969 Cu. Yds.  
 Borrow = 14,976 Cu. Yds.  
 Borrow = 12 Cu. Yds.

The Above Balance Includes 313 Cu. Yds.  
 3763 Cu. Yds. Fill From Acc. Rd. No. 4B  
 30 Cu. Yds. Fill From Drives & Approaches



9-67  
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12-67  
9-68

REURSTON  
C. DAVIS  
B. BRIGGS

9-67  
1-68  
12-67  
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REURSTON  
C. DAVIS  
B. BRIGGS

FT-F-95(12) "J" 15 151

Access Road No. 4  
 Rev. 10-13-71  
 Per. R/W Dept.

P.I. 1012+58.9  
 Δ = 18°10'30" Rt.  
 D = 1°30"  
 T = 611.0'  
 L = 1211.7'  
 E = 48.57'  
 R = 3820.00'  
 SE = .053 1/2

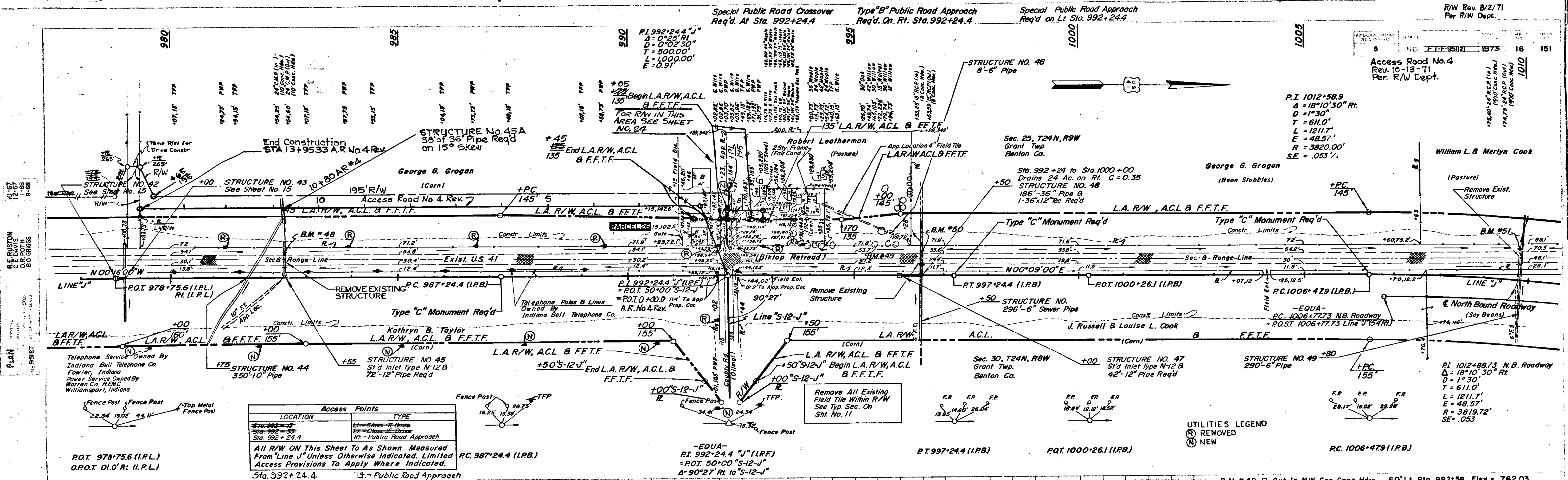
William L. & Marilyn Cook  
 (Pasture)  
 Remove Exist. Structure

George G. Grogan  
 (Bean Stubbles)

Remove Existing Structure

North Bound Roadway  
 (Soy Beans)

P.I. 1012+98.73 N.B. Roadway  
 Δ = 18°10'30" Rt.  
 D = 1°30"  
 T = 611.0'  
 L = 1211.7'  
 E = 48.57'  
 R = 3819.72'  
 SE = .053

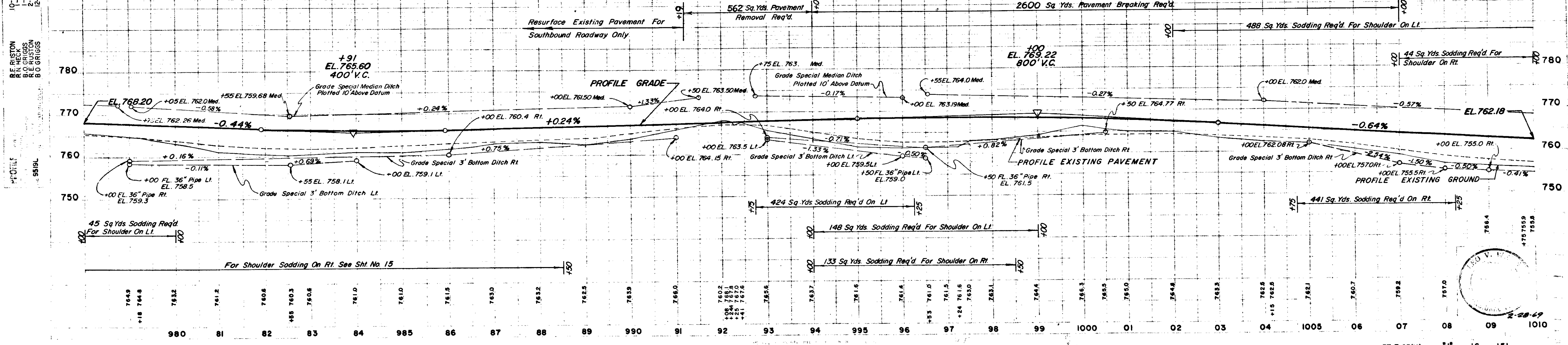


LOCATION	Access Points	TYPE
Sta. 992+24.4	RT - Public Road Approach	RT
Sta. 992+24.4	LT - Public Road Approach	LT

All R/W ON This Sheet To As Shown. Measured From Line J Unless Otherwise Indicated. Limited Access Provisions To Apply Where Indicated.

For Plan & Profile of "S-12-J" # Acc. Rd No. 4. Rev. See Sheet No. 24 & 28  
 For Intersection Detail Of "S-12-J" See Sheet No. 35  
 For Profile Of S.B. Roadway From Sta. 991+19 To 993+19 See Sheet No. 28

**BALANCE NO. 10**  
 Common Ex. = 11,953 Cu. Yds.  
 Fill + 25% = 35,237 Cu. Yds.  
 Borrow = 23,284 Cu. Yds.  
 The Above Balance Includes The Following Quantities  
 376 Cu. Yds. Cut & 78 Cu. Yds. Fill From "S-12-J"  
 20 Cu. Yds. Cut & 50 Cu. Yds. Fill From Drives & Approaches



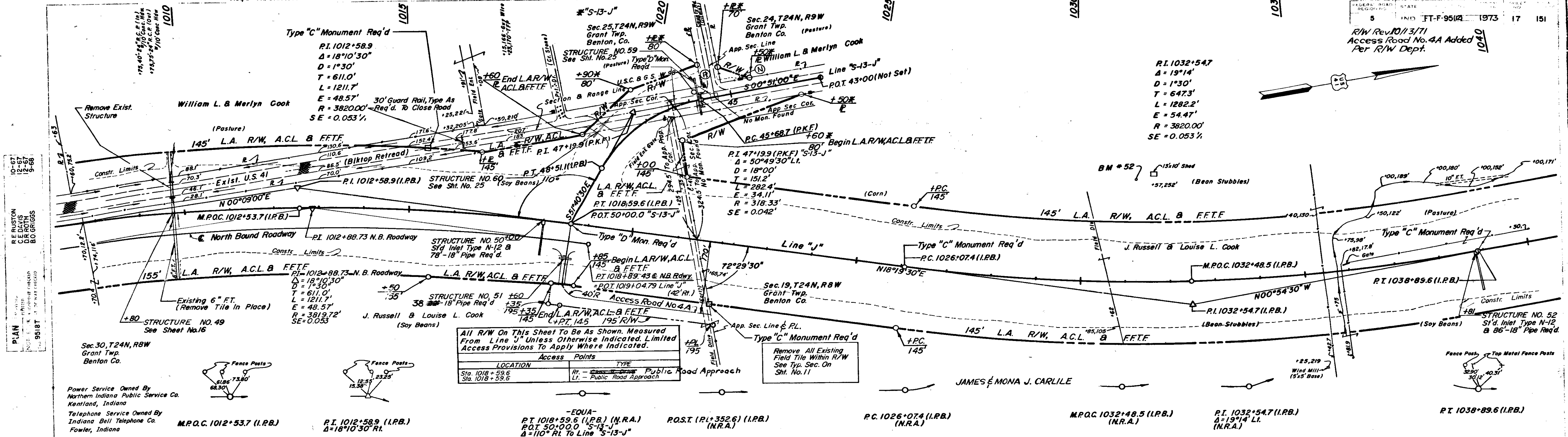
Special Public Road Approach  
Req'd Rt Sta. 1018+53.6

Public Road Approach  
Req'd On Lt. Sta. 1018+53.6, See Det. On Sht. No. 36

Type "S" Public Road Crossover  
Req'd At Sta. 1018+53.6

PLANNED STATE HIGHWAY  
IND. FT-F-95(2) 1973 17 151

R/W Rev. 10/3/71  
Access Road No. 4A Added  
Per R/W Dept.



LOCATION	RT	TYPE
Sta. 1018+53.6	—	Public Road Approach
Sta. 1018+53.6	—	Public Road Approach

For Plan & Profile "Of S-13-J"  
See Sheet No. 25

For Intersection Detail Of "S-13-J"  
See Sheet No. 36

BALANCE NO. 11

Common Ex.	=	21,996 Cu. Yds.
Fill + 25%	=	47,888 Cu. Yds.
Borrow	=	25,892 Cu. Yds.

The Above Balance Includes The Following Quantities  
459 Cu. Yds. Cut & 2,018 Cu. Yds. Fill From "S-13-J"  
160 Cu. Yds. Fill From Drives & Approaches  
584 Cu. Yds. Fill From A.R. No. 4A

BALANCE NO. 12

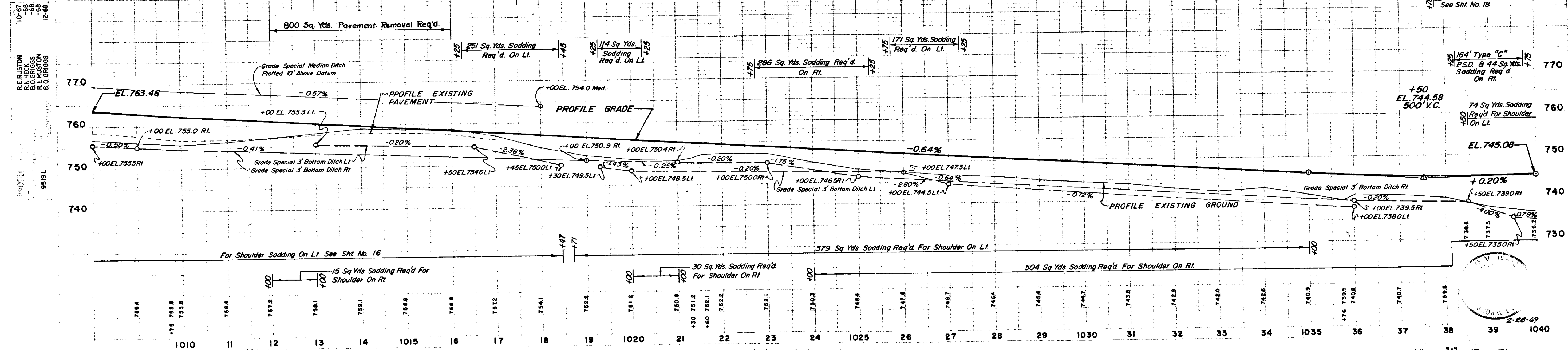
Common Ex.	=	7,109 Cu. Yds.
Fill + 20%	=	58,871 Cu. Yds.
Borrow	=	51,762 Cu. Yds.

The Above Balance Includes 1377 Cu. Yds. Cut From Relocation Of Goose Creek.

UTILITIES LEGEND

(R) REMOVED  
(N) NEW

Guard Rail Req'd Median Side N.B. Rwy. See Sht. No. 18



For Shoulder Sodding On Lt See Sht. No. 16

15 Sq. Yds. Sodding Req'd For Shoulder On Rt

30 Sq. Yds. Sodding Req'd For Shoulder On Rt

379 Sq. Yds. Sodding Req'd For Shoulder On Lt

504 Sq. Yds. Sodding Req'd For Shoulder On Rt

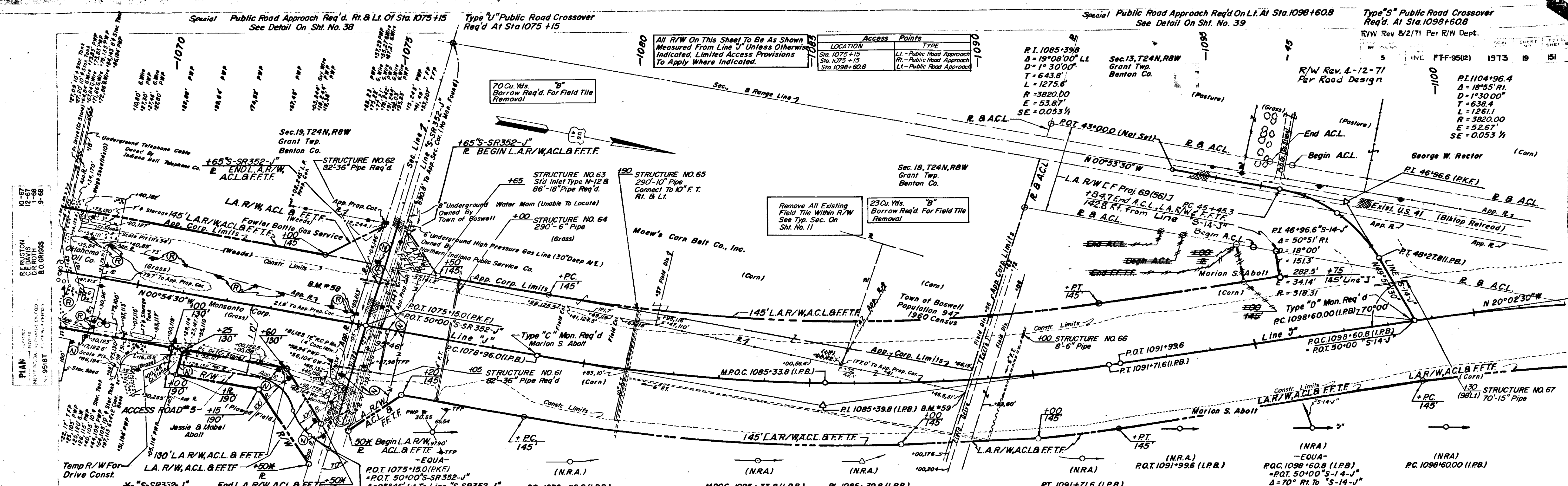
November 6, 1961

FT-F-95(2) "J" 17 151



Special Public Road Approach Req'd. Rt. & Lt. Of Sta. 1075+15 See Detail On Sht. No. 38  
 Type "U" Public Road Crossover Req'd At Sta. 1075+15  
 Special Public Road Approach Req'd On Lt. At Sta. 1098+60.8 See Detail On Sht. No. 39  
 Type "S" Public Road Crossover Req'd At Sta. 1098+60.8 R/W Rev. 4-12-71 Per Road Design.

LOCATION	TYPE
Sta. 1075+15	LI - Public Road Approach
Sta. 1075+15	RI - Public Road Approach
Sta. 1098+60.8	LI - Public Road Approach



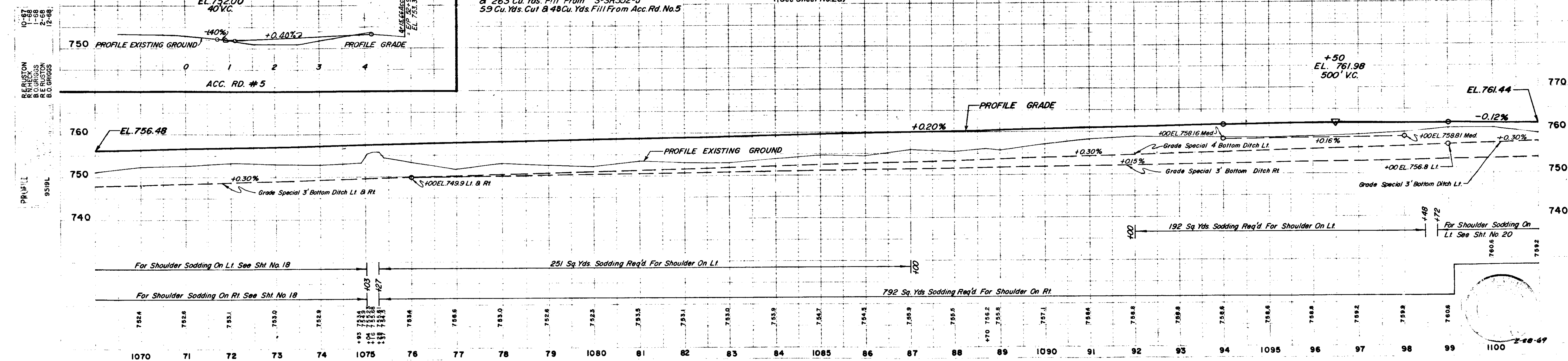
REVISIONS  
 10-67  
 1-68  
 2-68  
 12-68

For Plan & Profile Of "S-SR352-J" See Sheet No. 26  
 For Intersection Detail Of "S-SR352-J" See Sheet No. 38  
 For Plan & Profile Of "S-14-J" See Sheet No. 27  
 For Intersection Detail Of "S-14-J" See Sheet No. 39

BALANCE NO. 14  
 Common Ex. = 7,756 Cu. Yds.  
 Fill + 20% = 52,368 Cu. Yds.  
 Borrow = 44,612 Cu. Yds.  
 "B" Borrow = 70 Cu. Yds.  
 Above Balance Includes 148 Cu. Yds. Cut & 263 Cu. Yds. Fill From "S-SR352-J"  
 59 Cu. Yds. Cut & 48 Cu. Yds. Fill From Acc. Rd. No. 5

UTILITIES LEGEND  
 (R) REMOVED  
 (N) NEW

Power Service Owned By Northern Indiana Public Service Co. Kentland, Indiana  
 Telephone Service Owned By Indiana Bell Telephone Co. Fowler, Indiana  
 8" Water Line Owned By Town Of Boswell  
 6" Gas Line Owned By Northern Indiana P.S.C.  
 B.M. #58 Bt. Spike In PWP 22' Lt. Sta. 1074+95 Elev = 754.76  
 B.M. #59 Bt. Spike In Cor. Fence Post 31' Rt. Sta. 1088+47 Elev = 756.48



Station	Elevation	Notes
1070	756.48	EL. 756.48
71		
72		
73		
74		
1075		
76		
77		
78		
79		
1080		
81		
82		
83		
84		
1085		
86		
87		
88		
89		
1090		
91		
92		
93		
94		
1095		
96		
97		
98		
99		
1100	761.44	EL. 761.44

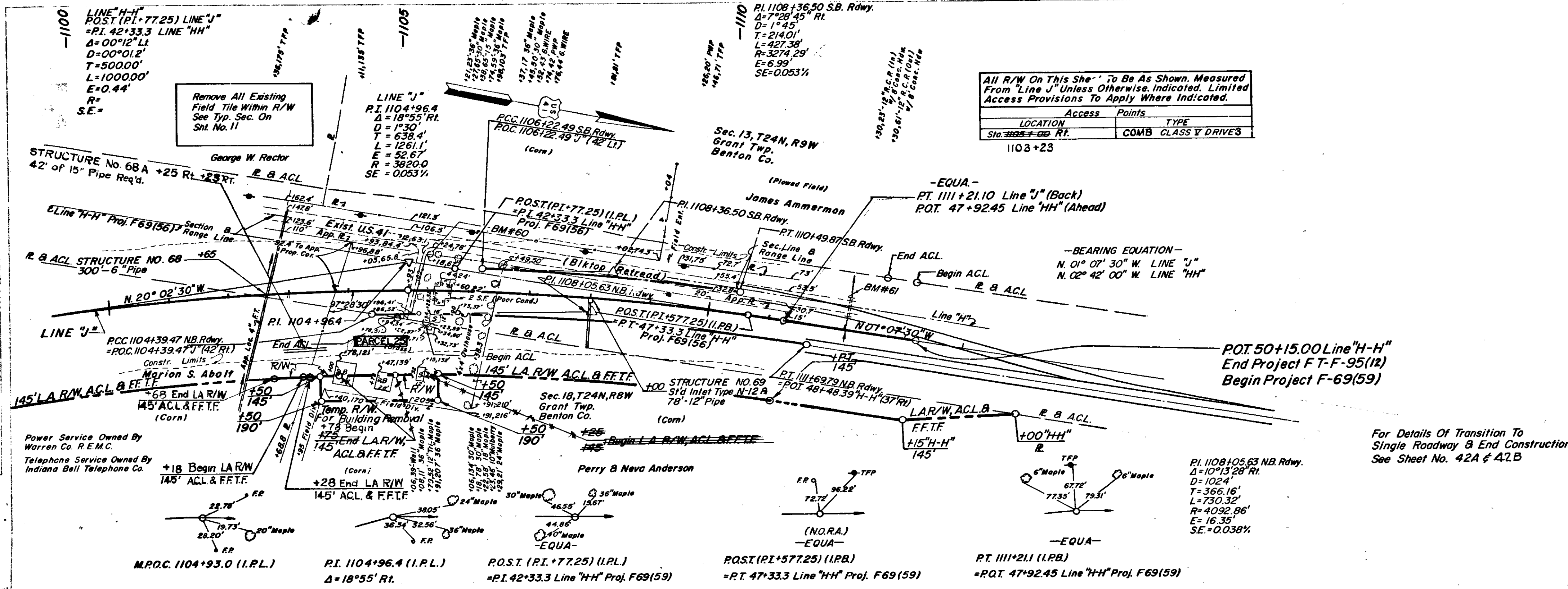
November 6, 1961

FT-F-95(2) 19 151

Revised 8-18-71  
 Combined Class V Drive  
 added Rt Sta. 1103+23  
 Per R/W Dept.

All R/W On This Sheet To Be As Shown. Measured From Line J Unless Otherwise Indicated. Limited Access Provisions To Apply Where Indicated.

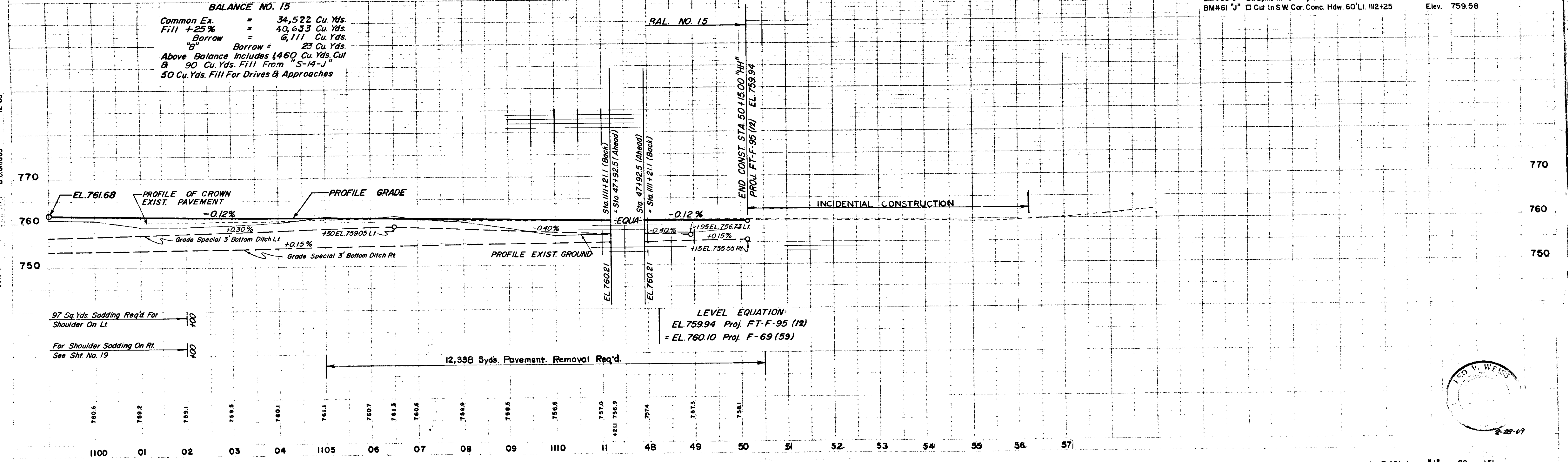
LOCATION	Access Points	TYPE
Sta. 1103+23	COMB	CLASS V DRIVES



For Details Of Transition To Single Roadway & End Construction See Sheet No. 42A & 42B

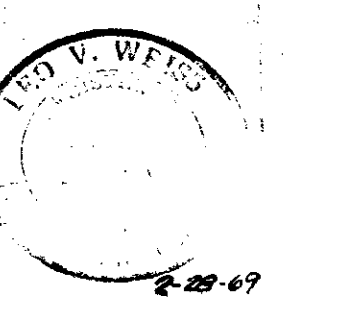
**BALANCE NO. 15**  
 Common Ex. = 34,522 Cu. Yds.  
 Fill +25% = 40,633 Cu. Yds.  
 Borrow = 6,111 Cu. Yds.  
 Borrow = 23 Cu. Yds.  
 Above Balance Includes 1460 Cu. Yds. Cut & 90 Cu. Yds. Fill From "S-14-J"  
 50 Cu. Yds. Fill For Drives & Approaches

BM#60 "J" Bl. Spike In 18" Maple 64' Lt. Sta. 1105+25 Elev. 762.00  
 BM#61 "J" Bl. Cut In SW Cor. Conc. Hdw. 60' Lt. 1102+25 Elev. 759.58



97 Sq. Yds. Sodding Req'd. For Shoulder On Lt.  
 For Shoulder Sodding On Rt. See SHI No. 19

12,936 Syds. Pavement Removal Req'd.



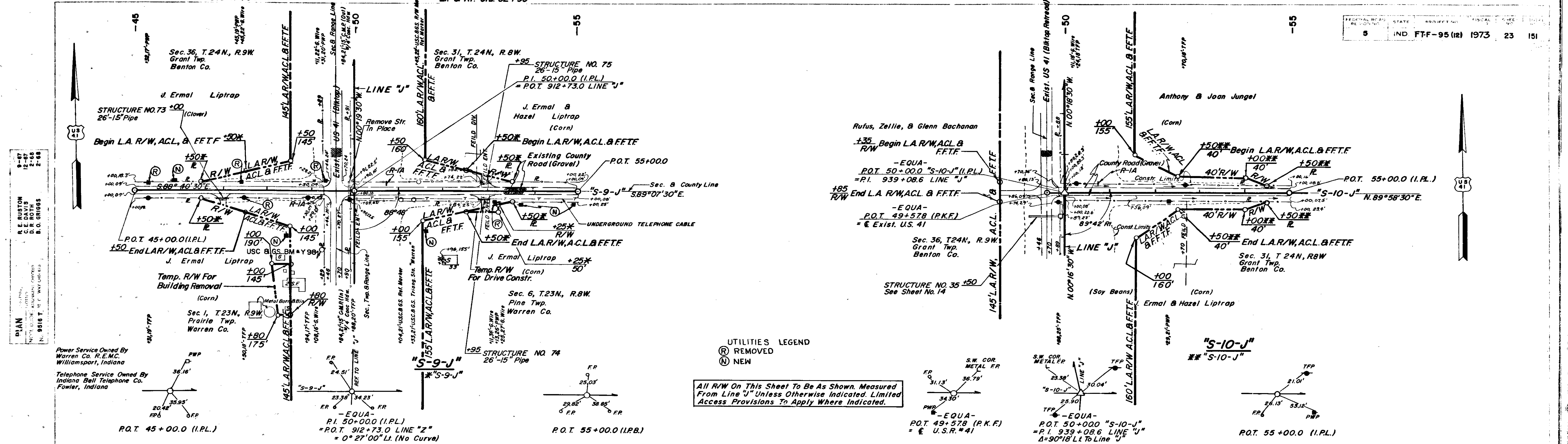






Class II Drive Req'd  
Sta 47+00

Class II Drive Req'd  
L. & R. Sta. 52+95



UTILITIES LEGEND  
 (R) REMOVED  
 (N) NEW

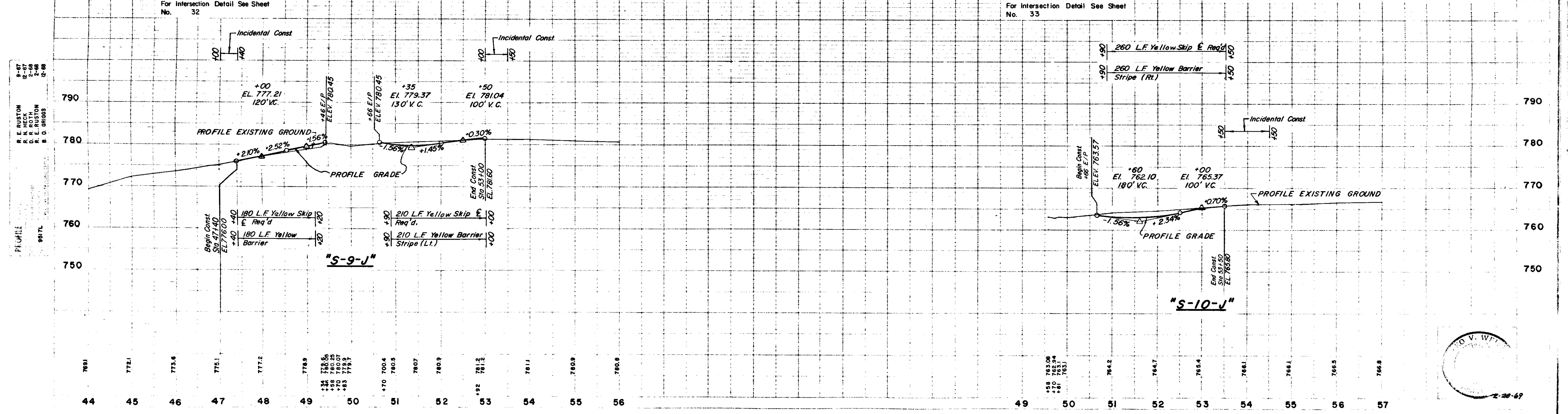
All R/W On This Sheet To Be As Shown. Measured From Line "J" Unless Otherwise Indicated. Limited Access Provisions To Apply Where Indicated.

For Plan & Profile Of Line "J"  
See Sheet No. 13

USC. & G.S. BM #Y 98 Std. Bronze Disc In Conc. Mon. 70' Lt. Sta. 911+42 Line "J" Elev. 781.17

For Plan & Profile Of Line "J"  
See Sheet No. 14

BM #44 "J" Cut In NE Cor. Conc. Walk 83' Lt. Sta. 933+06 Line "J" Elev. 766.26  
BM #45 "J" Cut In NW Cor. Conc. Hdw. 60' Lt. Sta. 943+29 Line "J" Elev. 760.68



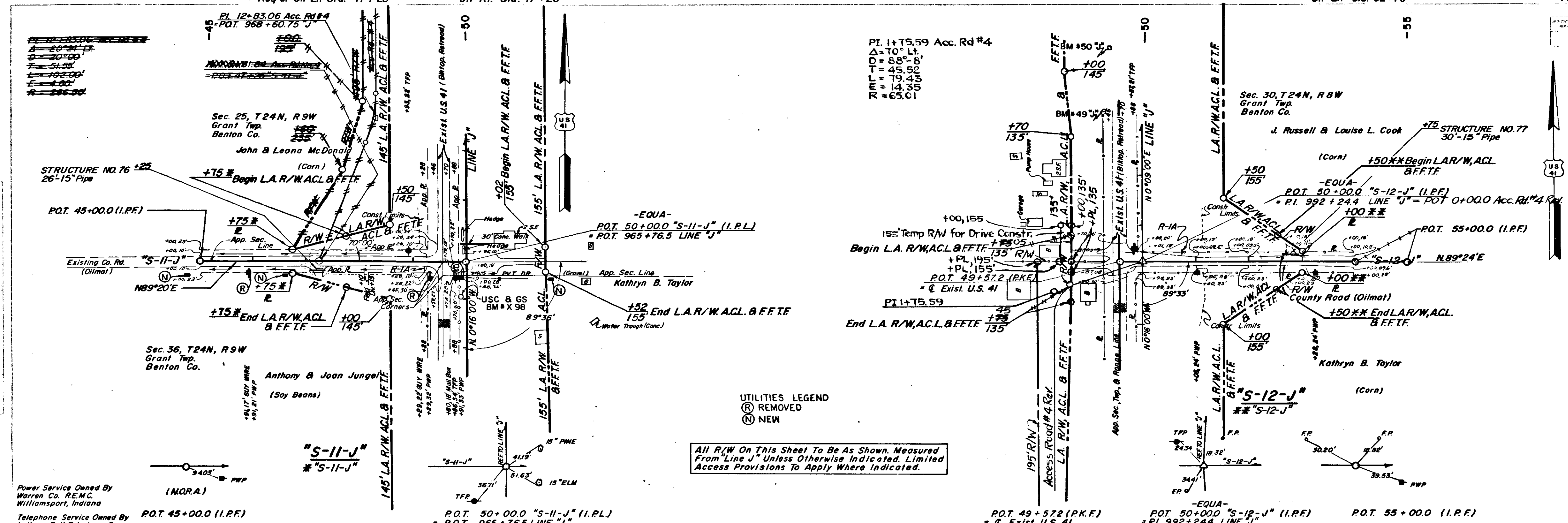
November 6, 1961

FT-F-95 (R) 1973 23 151

Type "D" Public Road Approach  
 Req'd On Lt. Sta. 47+25  
 Class V Drive Req'd  
 On Rt. Sta. 47+25  
 Class V Drive Req'd  
 On Lt. Sta. 52+75  
 R/W Rev. 8/2/71  
 Per R/W Dept.

INC FTF-95 (2) 1973 24 151

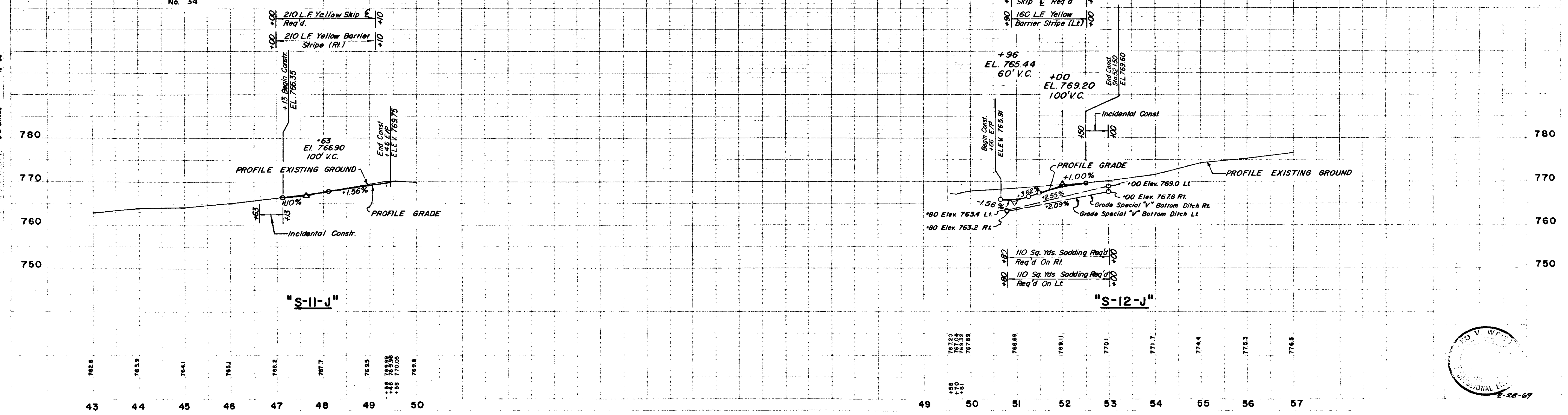
Access Road No 4  
 Rev. 10-1-71  
 Per R/W Dept.



UTILITIES LEGEND  
 (R) REMOVED  
 (N) NEW

All R/W On This Sheet To Be As Shown, Measured From Line "J" Unless Otherwise Indicated. Limited Access Provisions To Apply Where Indicated.

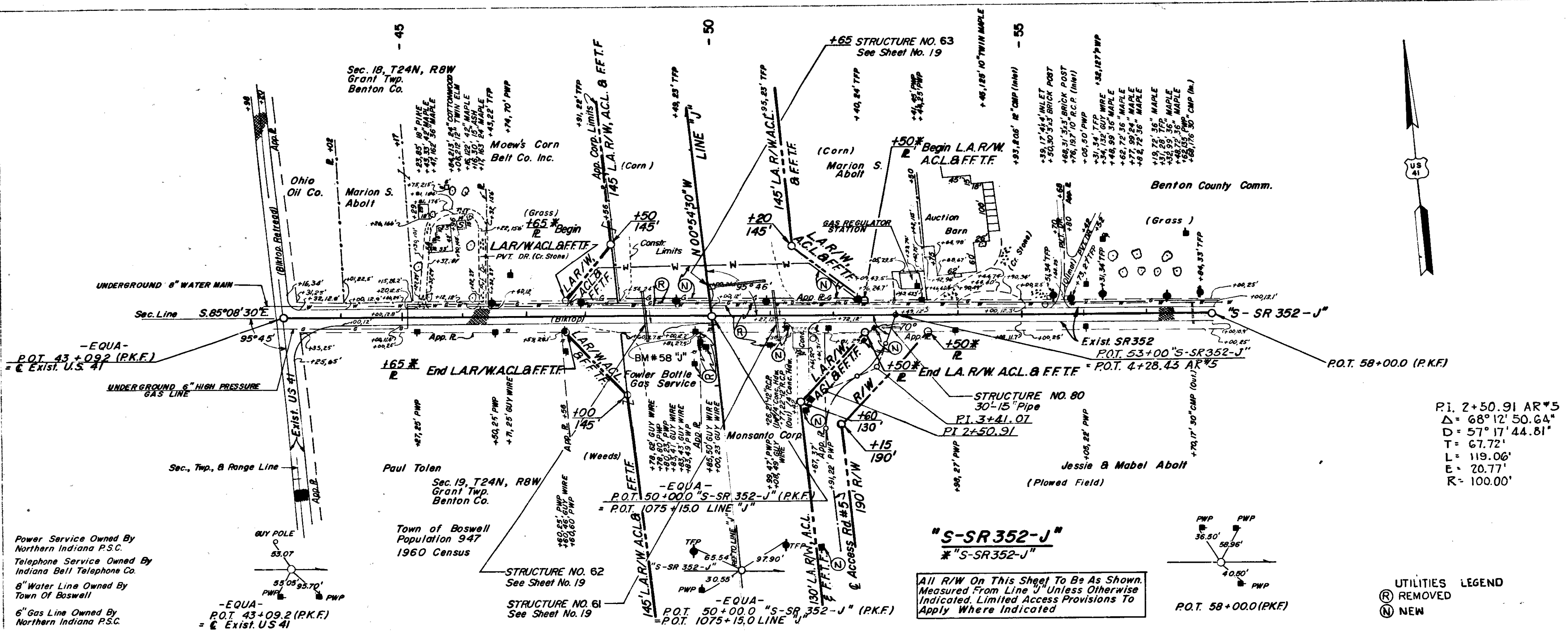
For Plan & Profile Of Line "J" See Sheet No. 15  
 For Intersection Detail See Sheet No. 34  
 USC & GS BM # X98 Std. Bronze Disc In Conc. Mon. 13' Lt. Sta. 965+03 Line "J" Elev. 768.60  
 For Intersection Detail See Sheet No. 35  
 For Plan & Profile Of Line "J" See Sheet No. 16  
 BM # 49 "J" Bt Spike In 30" Oak 70' Lt. Sta. 995+26 Line "J" Elev. 765.50  
 BM # 50 "J" Cut In NW Cor. Conc. Hdwr. 60' Lt. Sta. 996+57 Line "J" Elev. 761.81





**PLAN**  
 R. E. RUSTON  
 D. J. ROUTH  
 B. C. GRIGGS

**PROFILE**  
 R. E. RUSTON  
 D. J. ROUTH  
 B. C. GRIGGS



PI. 2+50.91 AR\*5  
 $\Delta = 68^{\circ}12'50.64''$   
 $D = 57^{\circ}17'44.81''$   
 $T = 38.84'$   
 $L = 74.09'$   
 $E = 7.28'$   
 $R = 100.00'$

PI. 3+41.07 AR\*5  
 $\Delta = 42^{\circ}26'50.64''$   
 $D = 57^{\circ}17'44.81''$   
 $T = 38.84'$   
 $L = 74.09'$   
 $E = 7.28'$   
 $R = 100.00'$

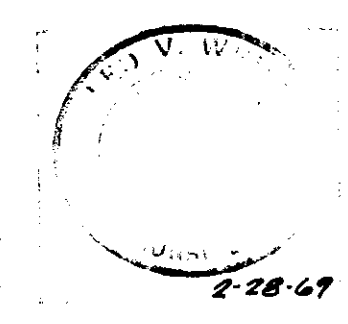
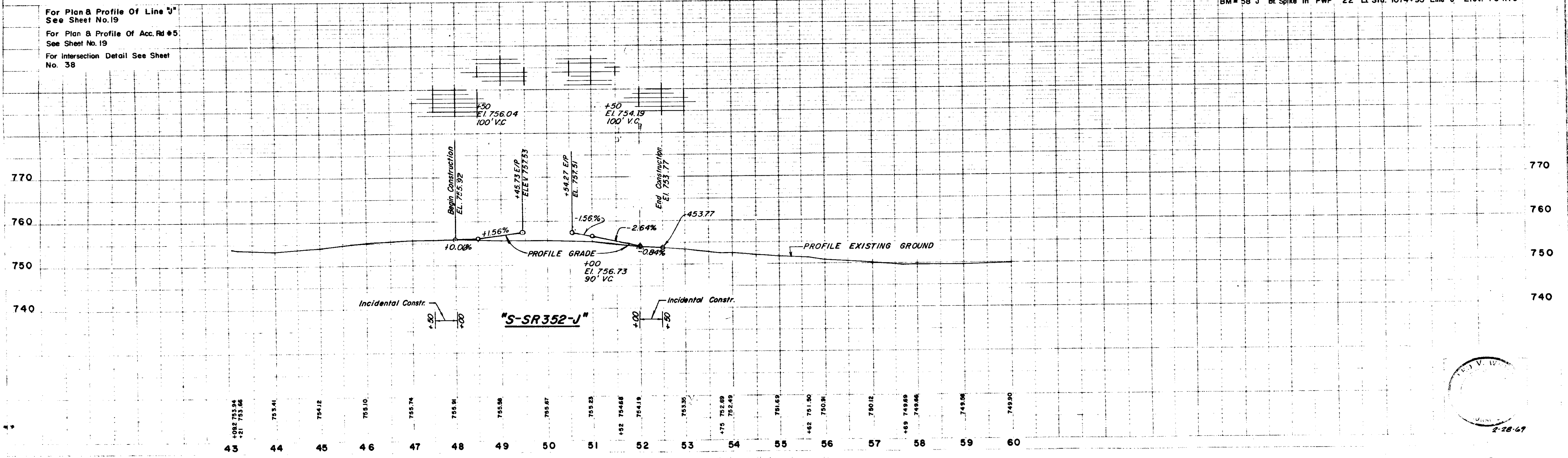
**"S-SR352-J"**  
**"S-SR352-J"**

All R/W On This Sheet To Be As Shown. Measured From Line J Unless Otherwise Indicated. Limited Access Provisions To Apply Where Indicated.

UTILITIES LEGEND  
 (R) REMOVED  
 (N) NEW

For Plan & Profile Of Line J  
 See Sheet No. 19  
 For Plan & Profile Of Acc. Rd #5  
 See Sheet No. 19  
 For Intersection Detail See Sheet  
 No. 38

BM # 58 "J" Bt Spike In PWP 22' Lt Sta. 1074+95 Line "J" Elev. 754.76

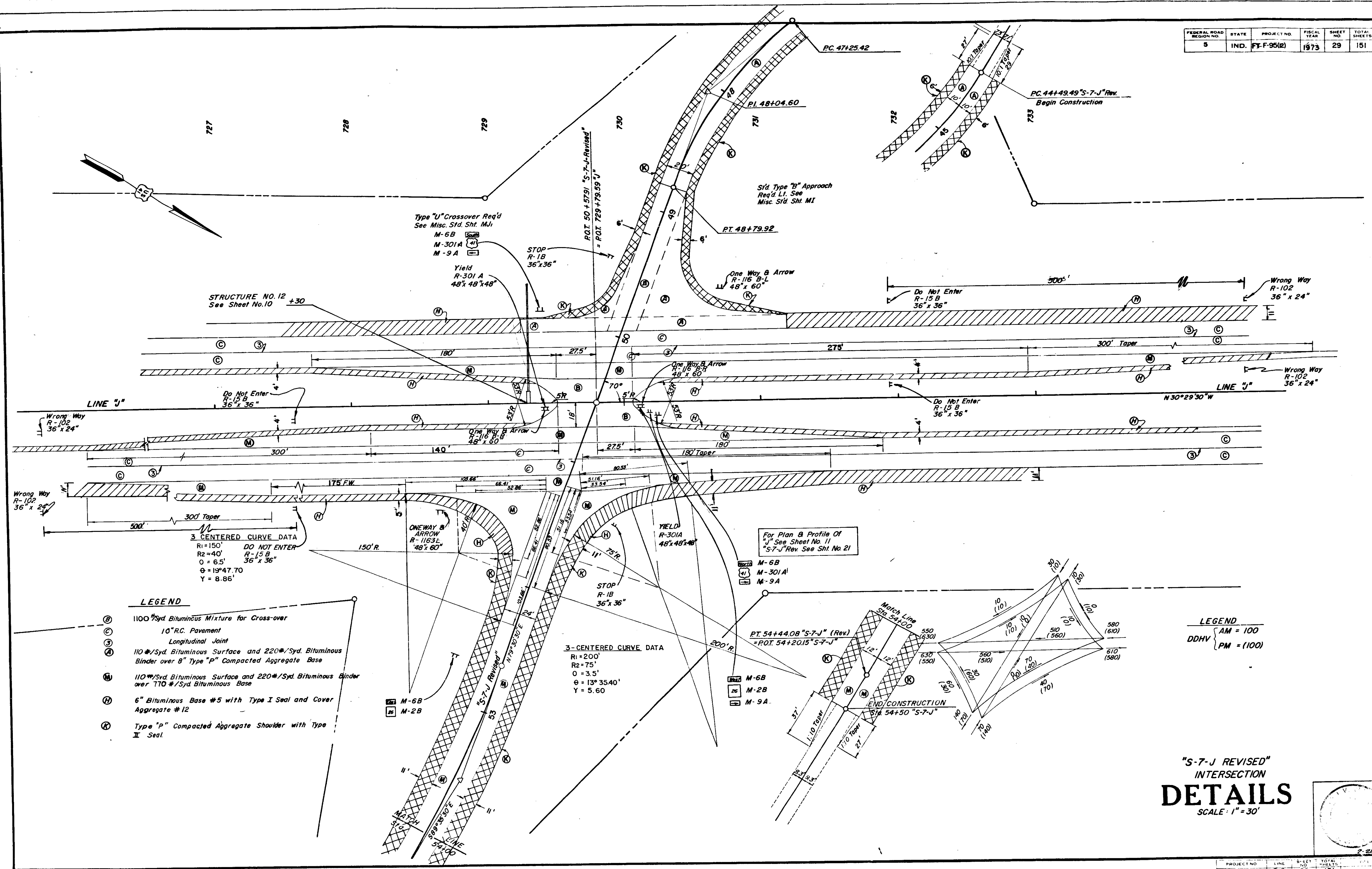








FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
8	IND.	FF-F-95(2)	1973	29	151



**LEGEND**

- ⊙ 1100#/Syd Bituminous Mixture for Cross-over
- ⊙ 10" R.C. Pavement
- ⊙ Longitudinal Joint
- ⊙ 110#/Syd Bituminous Surface and 220#/Syd Bituminous Binder over 8" Type "P" Compacted Aggregate Base
- ⊙ 110#/Syd Bituminous Surface and 220#/Syd Bituminous Binder over 110#/Syd Bituminous Base
- ⊙ 6" Bituminous Base #5 with Type I Seal and Cover Aggregate #12
- ⊙ Type "P" Compacted Aggregate Shoulder with Type I Seal

- LEGEND**
- AM = 100
  - DDHV { PM = (100)

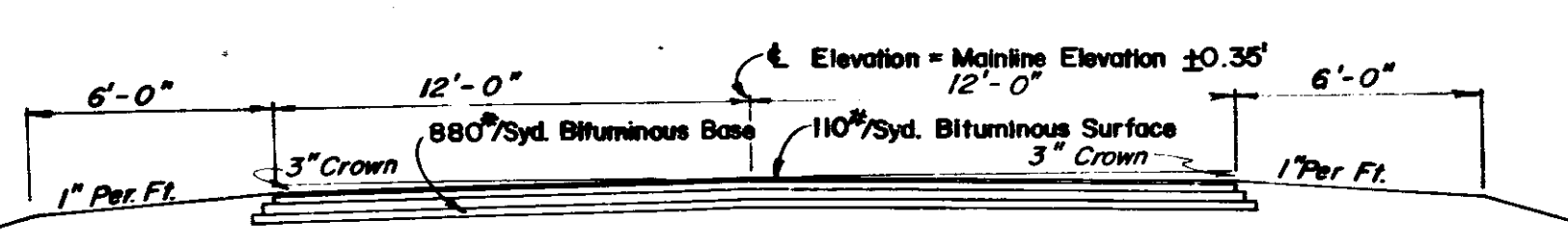
**"S-7-J REVISED" INTERSECTION DETAILS**  
SCALE: 1" = 30'

November 6, 1964

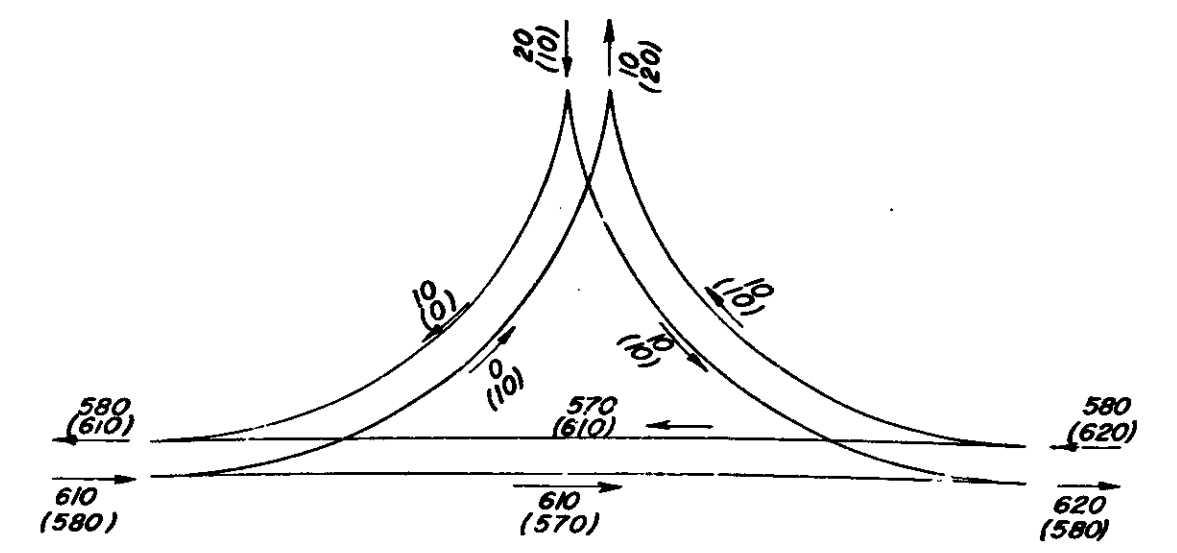
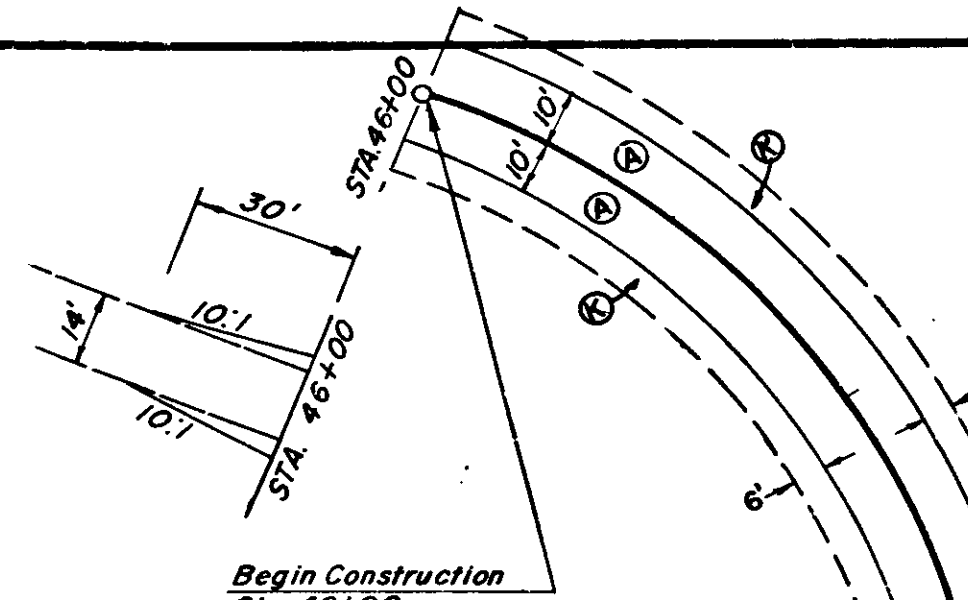
PROJECT NO.	LINE	SHEET	TOTAL SHEETS
FF-F-95(2)	J	29	151

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	FF-F-95(12)	1973	30	151

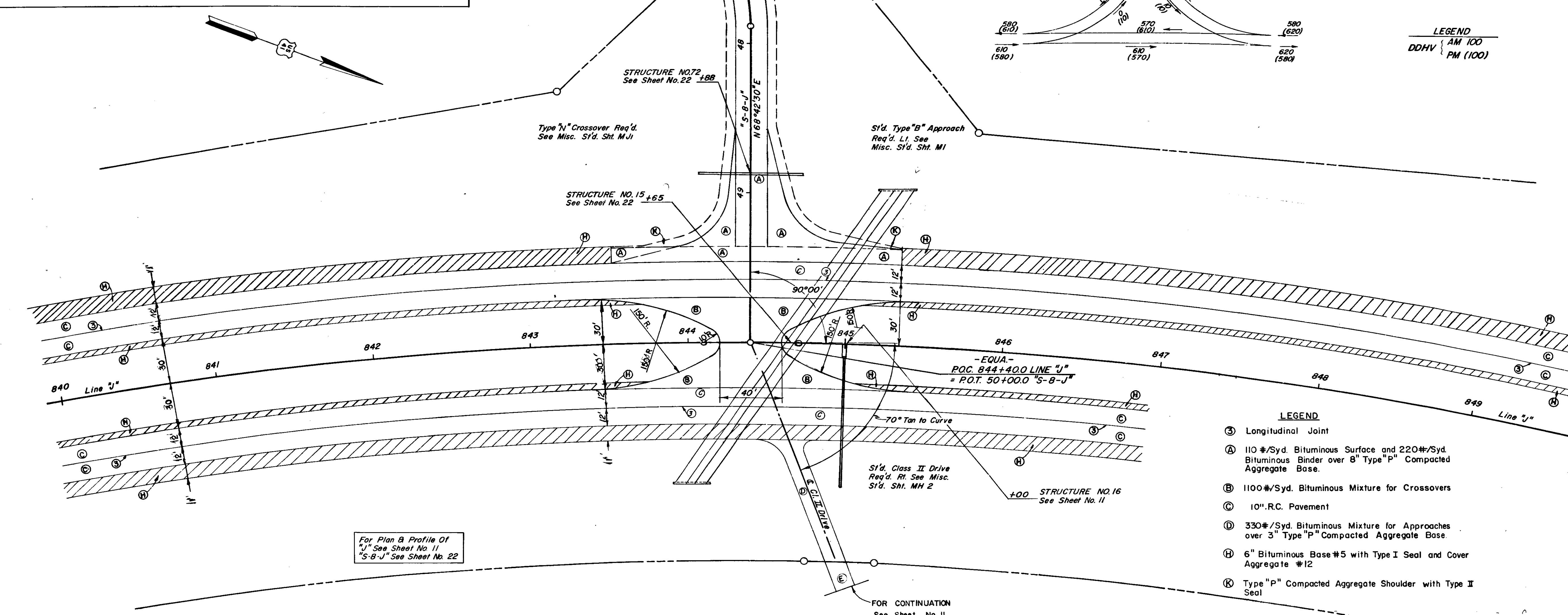
**TYPICAL TANGENT SECTION**



TEMPORARY RUNAROUND FROM STA. 841+00 LINE "J" TO EXISTING U.S. 41  
SCALE 1/4" = 1'-0"



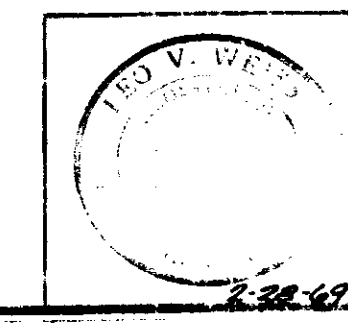
LEGEND  
AM 100  
PM (100)



For Plan & Profile Of  
"J" See Sheet No. 11  
"S-B-J" See Sheet No. 22

- LEGEND**
- (S) Longitudinal Joint
  - (A) 110 #/Syd. Bituminous Surface and 220#/Syd. Bituminous Binder over 8" Type "P" Compacted Aggregate Base.
  - (B) 1100 #/Syd. Bituminous Mixture for Crossovers
  - (C) 10" R.C. Pavement
  - (D) 330 #/Syd. Bituminous Mixture for Approaches over 3" Type "P" Compacted Aggregate Base.
  - (H) 6" Bituminous Base #5 with Type I Seal and Cover Aggregate #12
  - (K) Type "P" Compacted Aggregate Shoulder with Type II Seal
  - (E) 6" Type "P" Compacted Aggregate Surface "S-B-J"

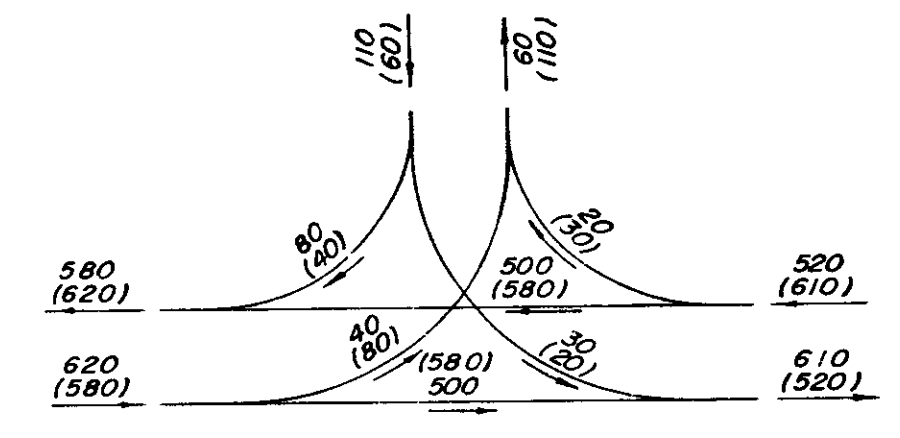
**INTERSECTION  
DETAILS**  
SCALE 1" = 30'



FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	FF-9502	1973	31	151

3-CENTERED CURVE DATA  
 R<sub>1</sub> = 150'  
 R<sub>2</sub> = 50'  
 O = 5.0  
 φ = 18° 11.70'  
 Y = 7.50'

3-CENTERED CURVE DATA  
 R<sub>1</sub> = 150'  
 R<sub>2</sub> = 50'  
 O = 5.0  
 φ = 18° 11.70'  
 Y = 7.50'



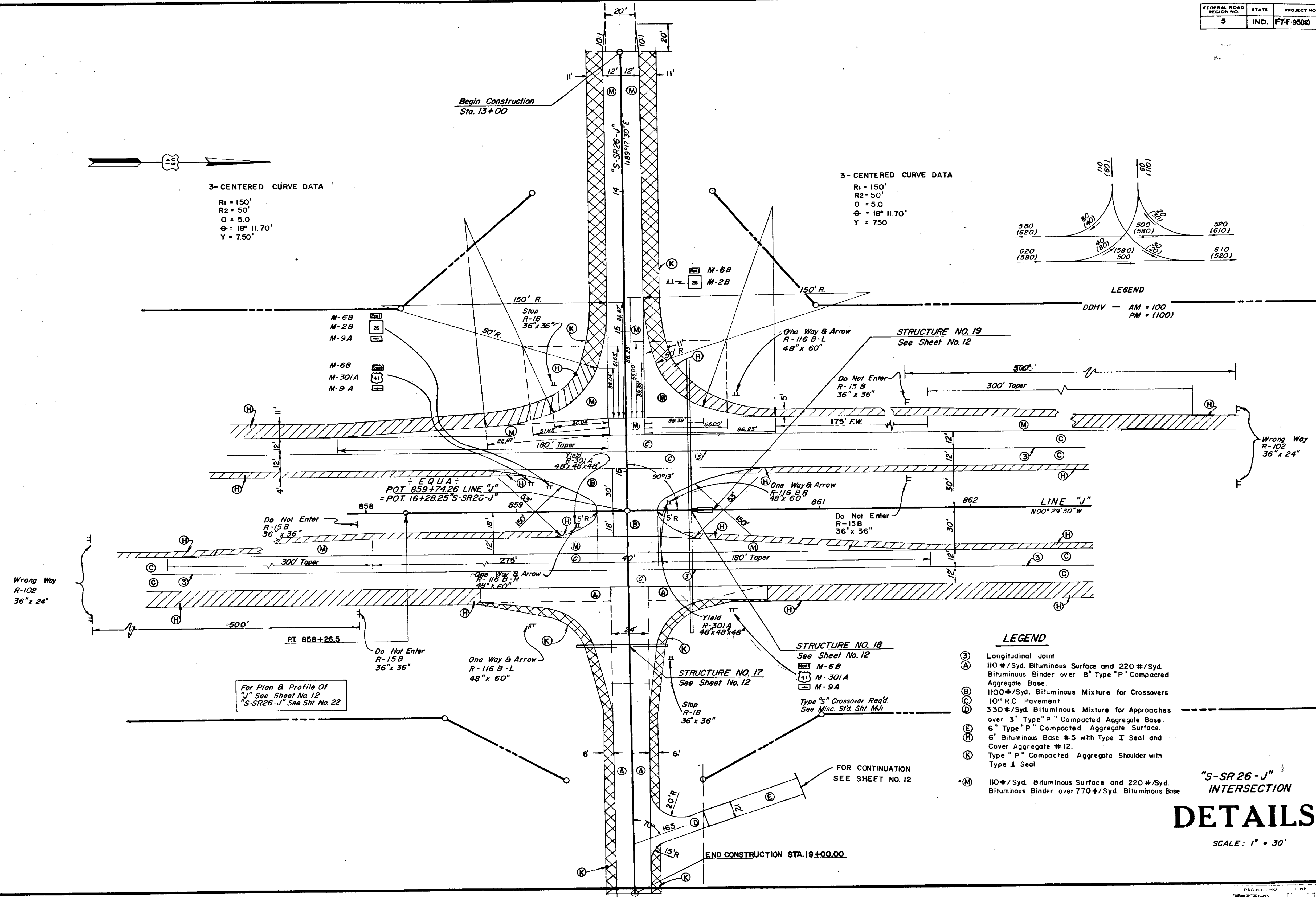
LEGEND  
 DDHV — AM = 100  
 PM = (100)

LEGEND

- (3) Longitudinal Joint
- (A) 110 #/Syd. Bituminous Surface and 220 #/Syd. Bituminous Binder over 8" Type "P" Compacted Aggregate Base.
- (B) 1100 #/Syd. Bituminous Mixture for Crossovers
- (C) 10" R.C. Pavement
- (D) 330 #/Syd. Bituminous Mixture for Approaches over 3" Type "P" Compacted Aggregate Base.
- (E) 6" Type "P" Compacted Aggregate Surface.
- (H) 6" Bituminous Base #5 with Type I Seal and Cover Aggregate #12.
- (K) Type "P" Compacted Aggregate Shoulder with Type I Seal
- (M) 110 #/Syd. Bituminous Surface and 220 #/Syd. Bituminous Binder over 770 #/Syd. Bituminous Base

"S-SR26-J"  
 INTERSECTION  
**DETAILS**

SCALE: 1" = 30'



For Plan & Profile Of  
 "J" See Sheet No. 12  
 "S-SR26-J" See Sht. No. 22

November 6, 1964

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS
FF-9(12)		31	151

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
8	IND.	FT-F-95(12)	1973	32	151

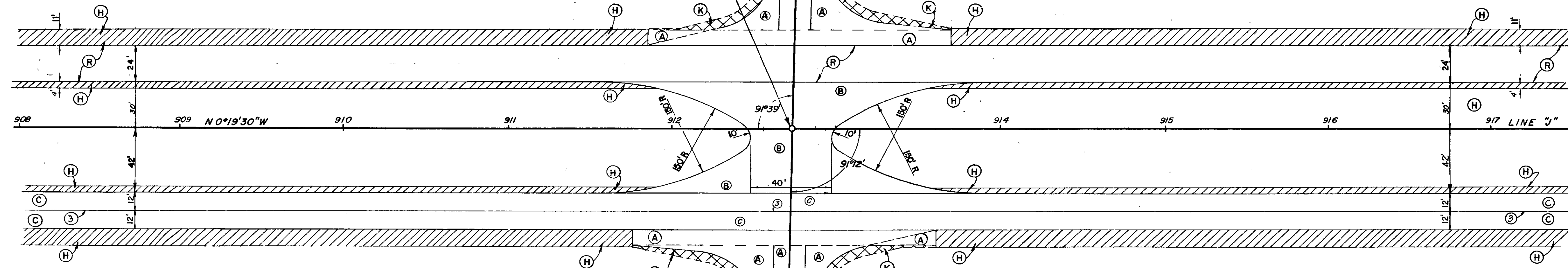
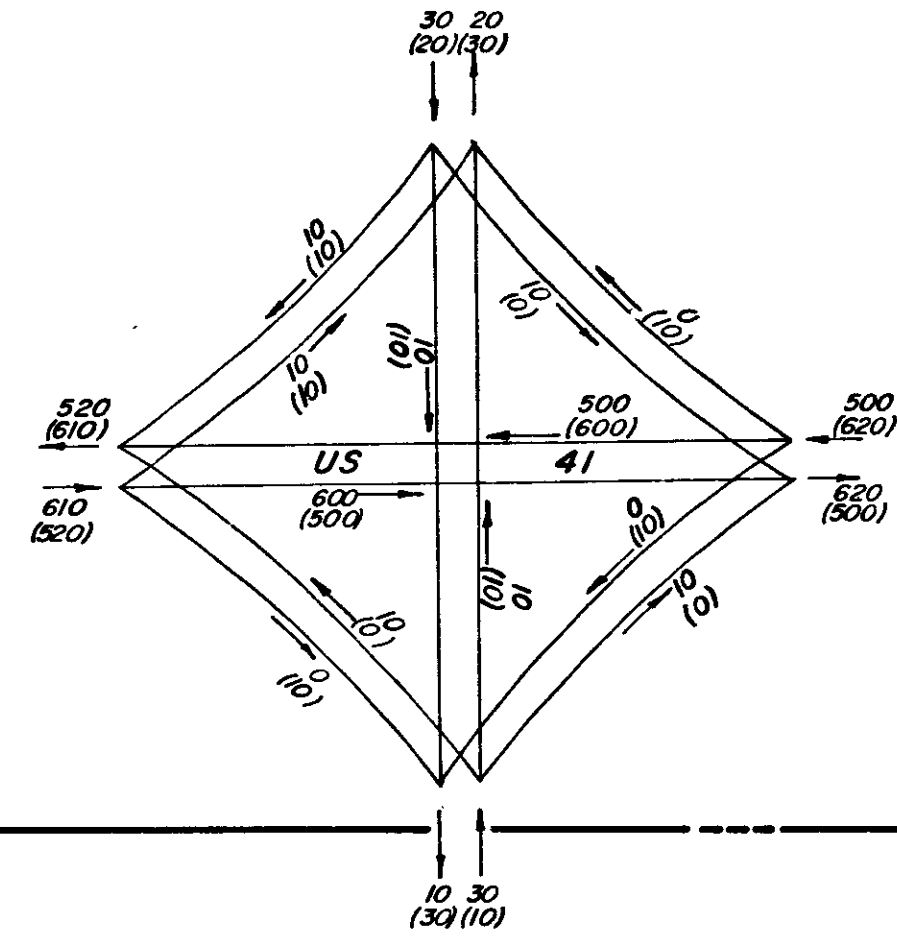


P.O.T. 912+73.0 "J"  
=P.I. 50+00.0 "S-9-J"

Special Crossover Req'd.  
Sta. 912+73.0 Line "L"

Begin Construction  
Sta. 47+40

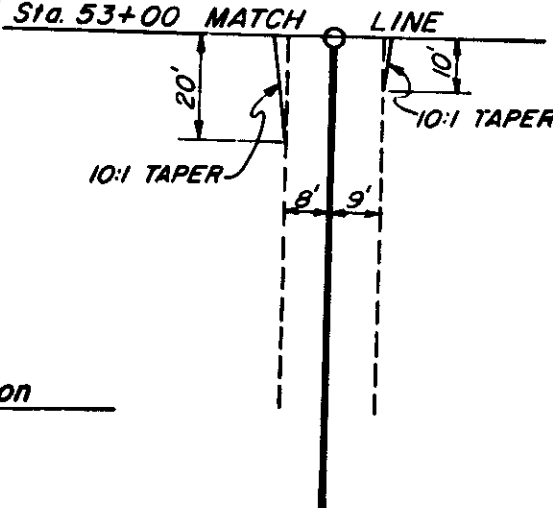
LEGEND  
AM=100  
DDHV (PM=100)



ST'D TYPE "B" APPROACH  
REQ'D RT. & LT. SEE MISC.  
ST'D SH'T. M.

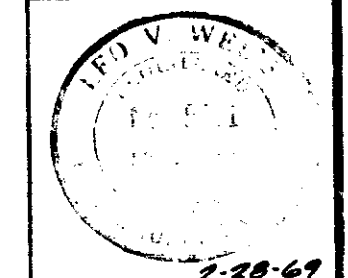
For Plan & Profile Of  
"J" See Sheet No. 13  
"S-9-J" See Sheet No. 23

- Legend**
- (3) Longitudinal Joint
  - (A) 110#/Syd. Bituminous Surface and 220#/Syd. Bituminous Binder over 8" Type "P" Compacted Aggregate Base.
  - (B) 1100#/Syd. Bituminous Mixture for Crossover
  - (C) 10" R.C. Pavement
  - (H) 6" Bituminous Base #5 with Type I Seal and Cover Aggregate #12
  - (K) Type "P" Compacted Aggregate Shoulder with Type II Seal
  - (R) 110#/Syd. Bituminous Surface over 220 #/Syd. Bituminous Binder.



End Construction  
Sta. 53+00

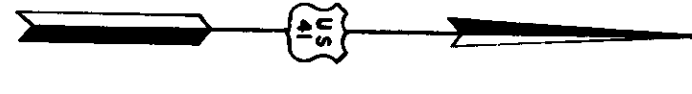
"S-9-J"  
INTERSECTION  
**DETAILS**  
SCALE 1"=30'



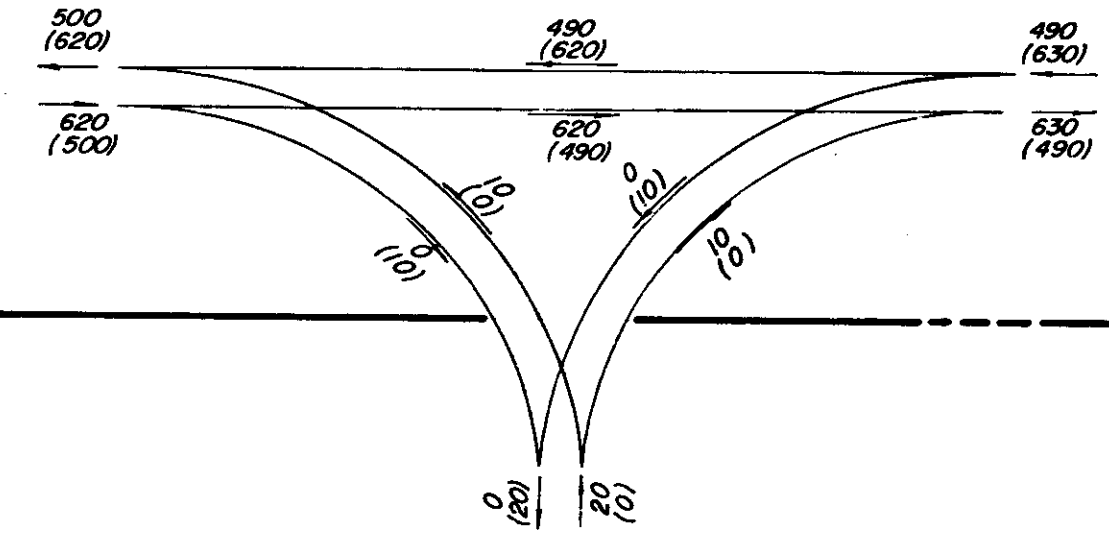
November 6, 1964

PROJECT NO.	SHEET NO.	TOTAL SHEETS
FT-F-95(12)	32	151

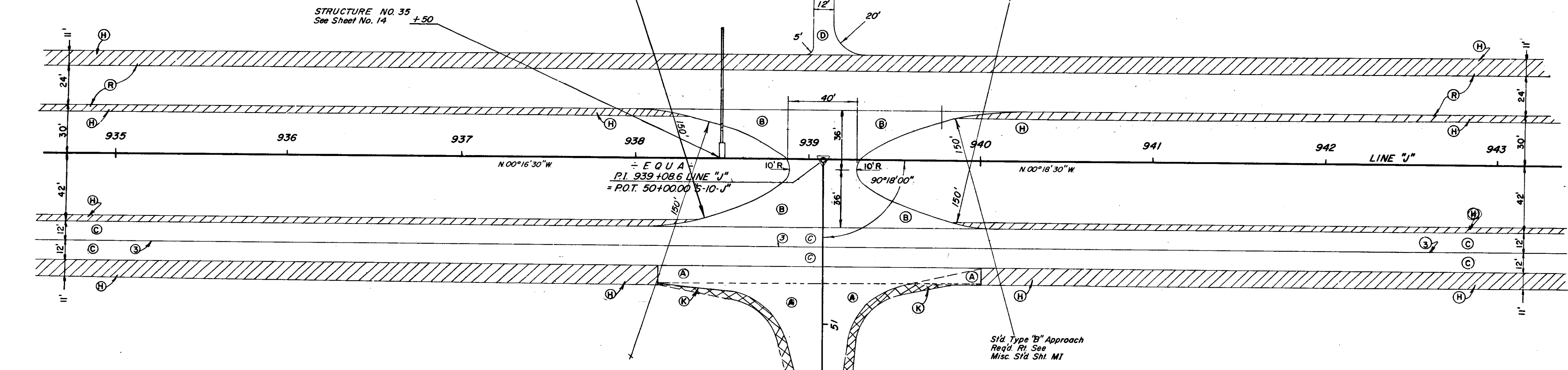
FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	FT F-95(12)	1973	33	151



Special Crossover Req'd.  
Sta. 939+08.6 Line "J"



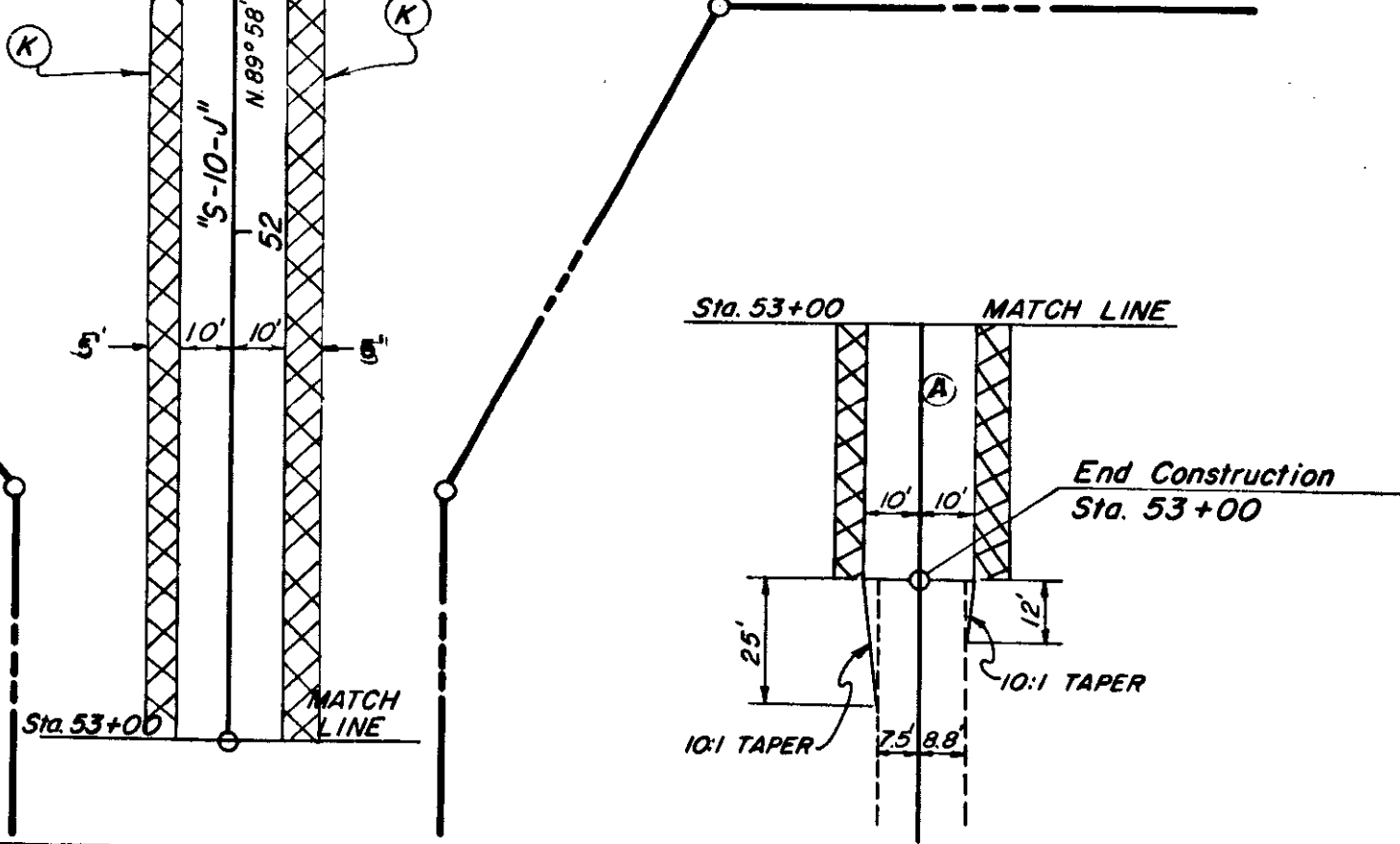
LEGEND  
DDHV AM 100  
PM (100)



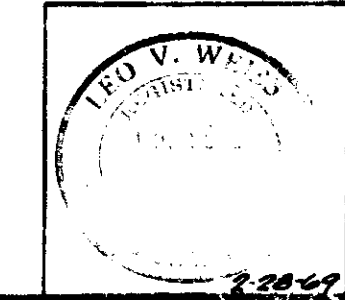
For Plan & Profile Of  
"J" See Sheet No. 14  
"S-10-J" See Sht. No. 23

- Legend**
- ③ Longitudinal Joint
  - Ⓐ 110#/Syd. Bituminous Surface and 220#/Syd. Bituminous Binder over 8" Type "P" Compacted Aggregate Base
  - Ⓑ 1100#/Syd. Bituminous Mixture for Crossover
  - Ⓒ 10" R.C. Pavement
  - Ⓓ 330#/Syd. Bituminous Mixture for Approaches over 3" Type "P" Compacted Aggregate Base
  - Ⓗ 6" Bituminous Base #5 with Type I Seal and Cover Aggregate #12.
  - Ⓚ Type "P" Compacted Aggregate Base with Type I Seal.
  - Ⓡ 110#/Syd. Bituminous Surface over 220#/Syd. Bituminous Binder

Std. Type "B" Approach  
Req'd. R.I. See  
Misc. Sht. Sht. M1



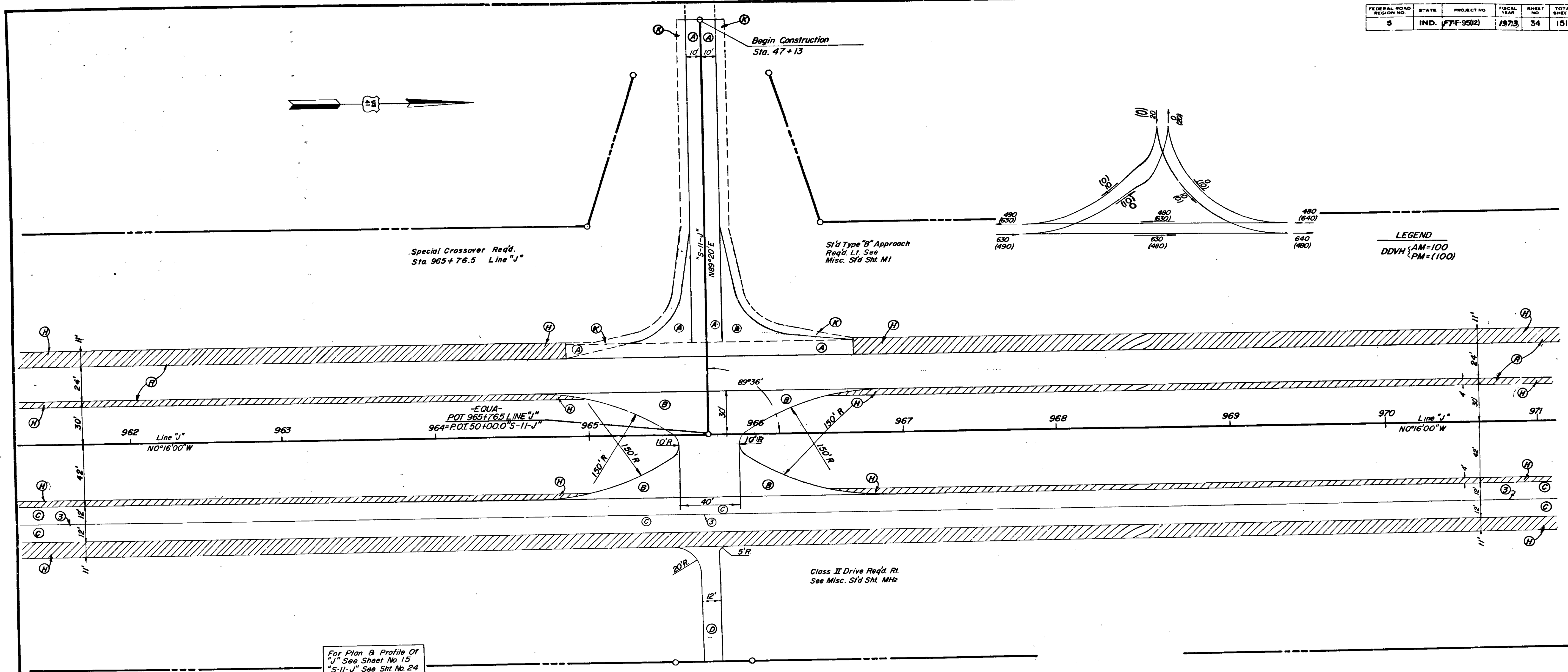
"S-10-J"  
INTERSECTION  
**DETAILS**  
SCALE 1" = 30'



November 6, 1964

PROJECT NO.	SHEET NO.	TOTAL SHEETS
FT F-95(12)	33	151

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	FF-F-95(2)	1973	34	151

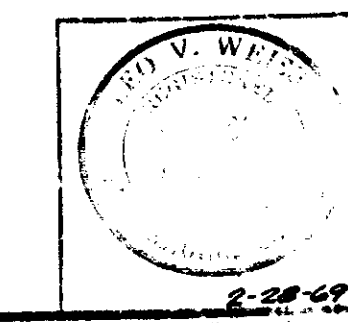


LEGEND  
 DDVH (AM=100)  
 PM=(100)

For Plan & Profile Of  
 "J" See Sheet No. 15  
 "S-11-J" See Sht. No. 24

- LEGEND**
- ① Longitudinal Joint
  - ② 110#/Syd. Bituminous Surface and 220#/Syd. Bituminous Binder over 8" Type "P" Compacted Aggregate Base.
  - ③ 10" R.C. Pavement
  - ④ 110#/Syd. Bituminous Mixture for Crossover
  - ⑤ 330#/Syd. Bituminous Mixture for Approaches over 3" Type "P" Compacted Aggregate Base.
  - ⑥ 6" Bituminous Base #5 with Type I Seal and Cover Aggregate #12
  - ⑦ Type "P" Compacted Aggregate Base.
  - ⑧ 110#/Syd. Bituminous Surface over 220#/Syd. Bituminous Binder

"S-11-J"  
 INTERSECTION  
**DETAILS**  
 SCALE 1"=30'

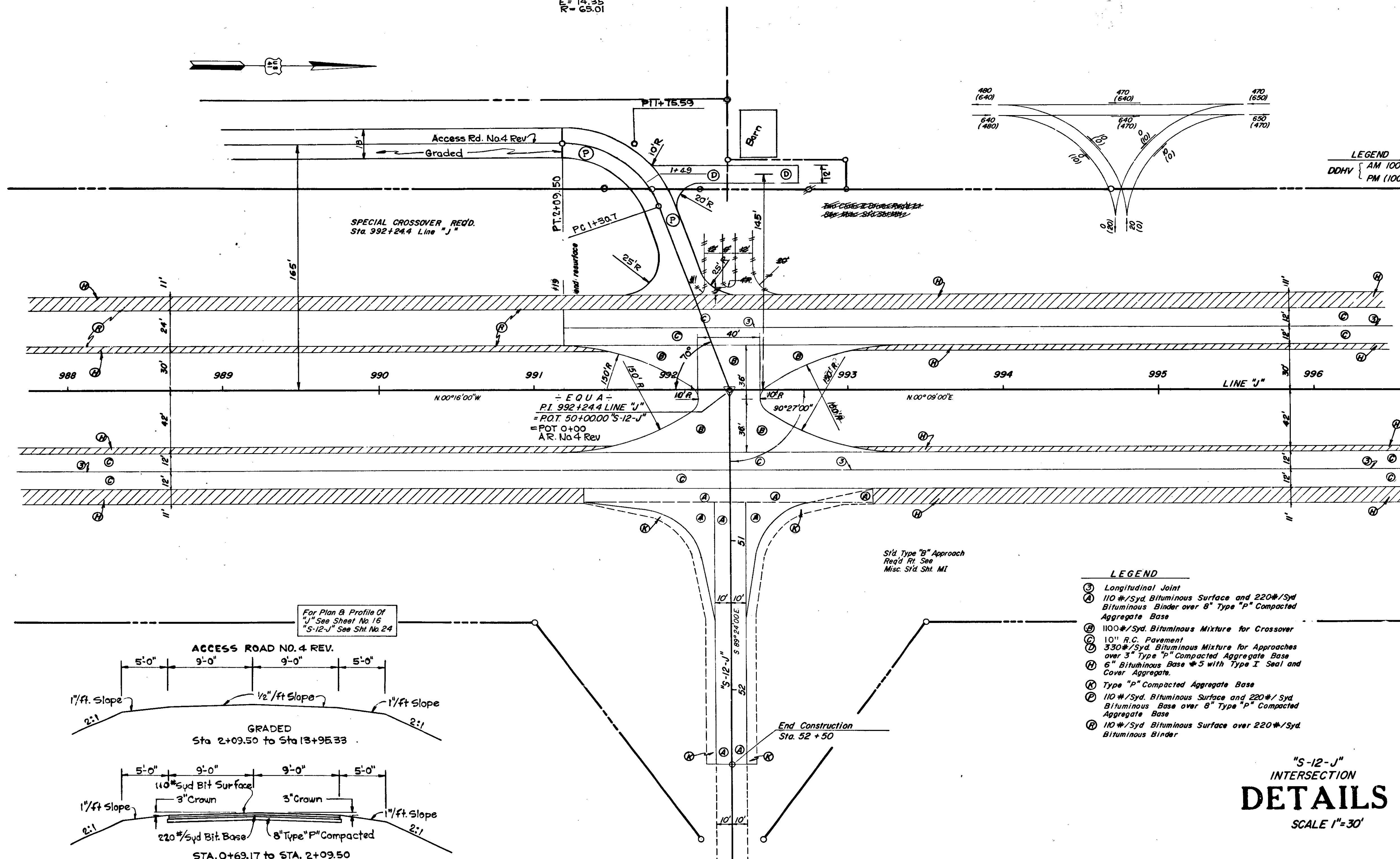


PROJECT NO.	SHEET NO.	TOTAL SHEETS
FF-F-95(2)	34	151

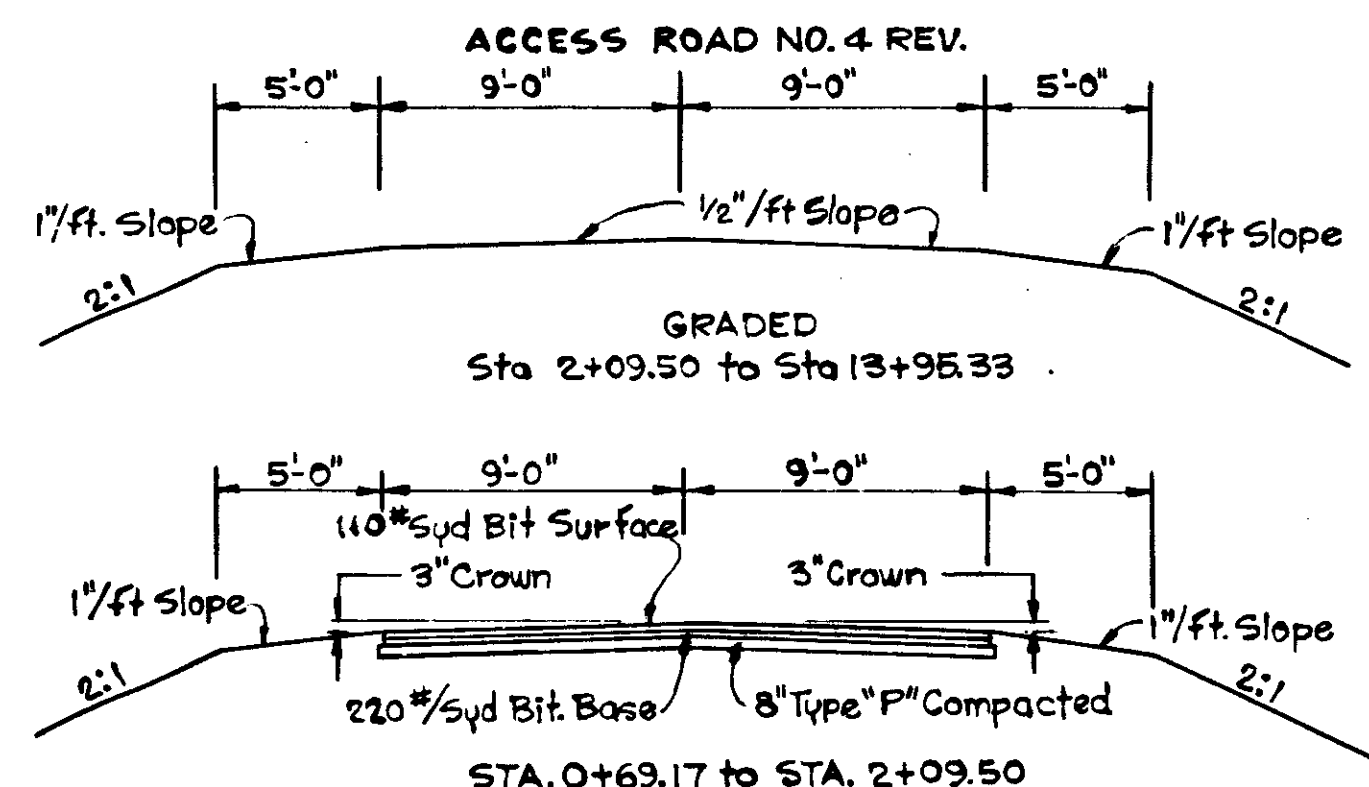
CURVE DATA  
 ACCESS ROAD No. 4 Rev  
 $\Delta = 70^\circ$  Lt.  
 $D = 88' 8"$   
 $T = 45.52'$   
 $L = 79.43'$   
 $M = 14.35'$   
 $PR = 65.01'$

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	FT-F-95(12)	1973	35	151

Access Rd No. 4  
 Rev. 10-13-71  
 Per R/W Dept.

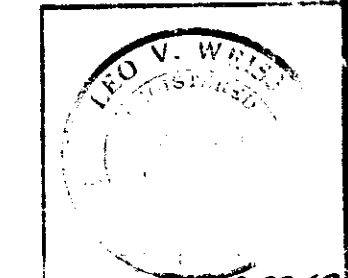


For Plan & Profile Of  
 "J" See Sheet No. 16  
 "S-12-J" See Sht. No. 24



- LEGEND**
- (3) Longitudinal Joint
  - (A) 110 #/Syd. Bituminous Surface and 220 #/Syd. Bituminous Binder over 8" Type "P" Compacted Aggregate Base
  - (B) 110 #/Syd. Bituminous Mixture for Crossover
  - (C) 10" R.C. Pavement
  - (D) 330 #/Syd. Bituminous Mixture for Approaches over 3" Type "P" Compacted Aggregate Base
  - (E) 6" Bituminous Base #5 with Type I Seal and Cover Aggregate
  - (F) Type "P" Compacted Aggregate Base
  - (G) 110 #/Syd. Bituminous Surface and 220 #/Syd. Bituminous Base over 8" Type "P" Compacted Aggregate Base
  - (H) 110 #/Syd. Bituminous Surface over 220 #/Syd. Bituminous Binder

"S-12-J"  
 INTERSECTION  
**DETAILS**  
 SCALE 1"=30'



November 6, 1964

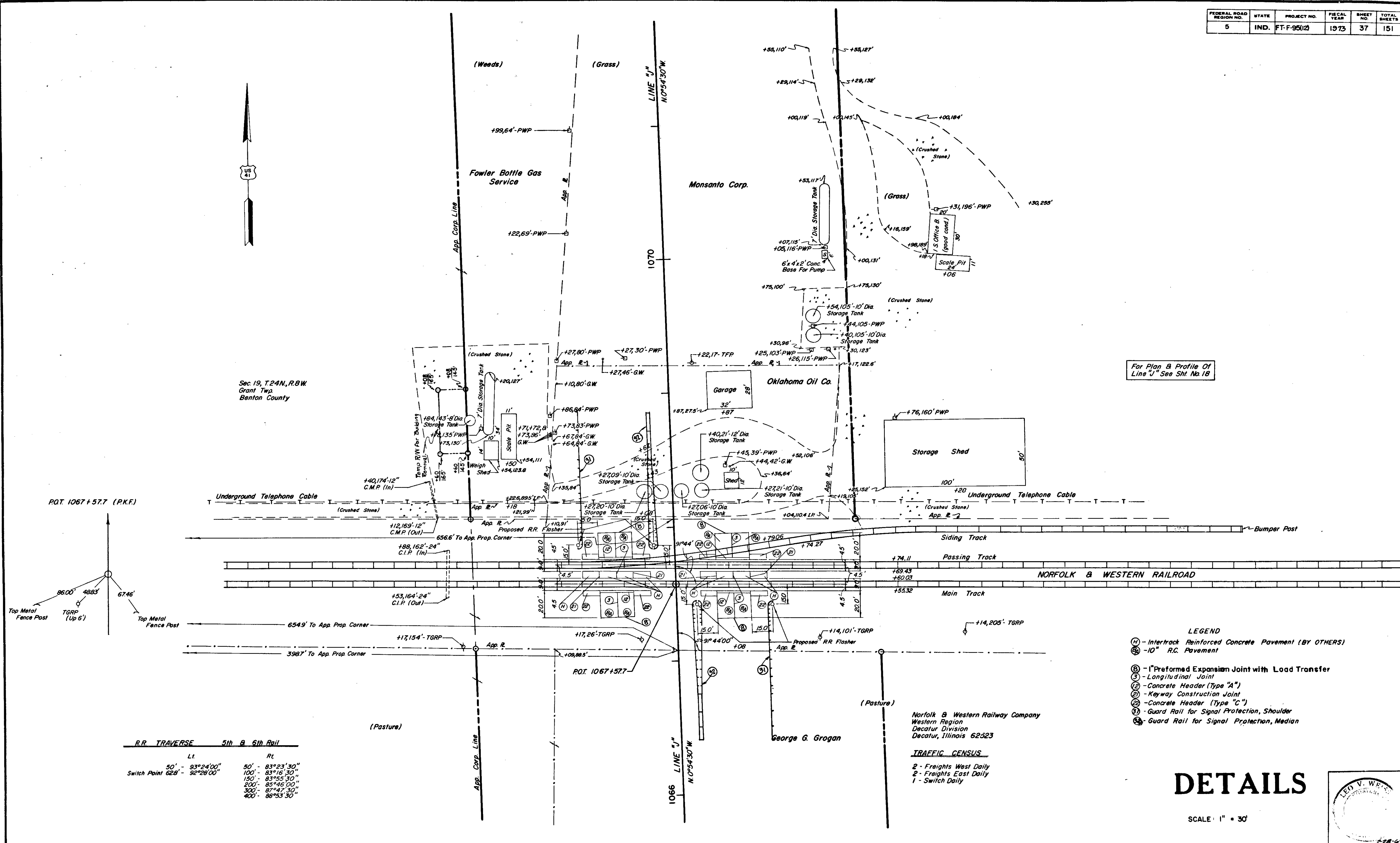
PROJECT NO.	LINE	SHEET	TOTAL SHEETS
FT-F-95(12)		35	151





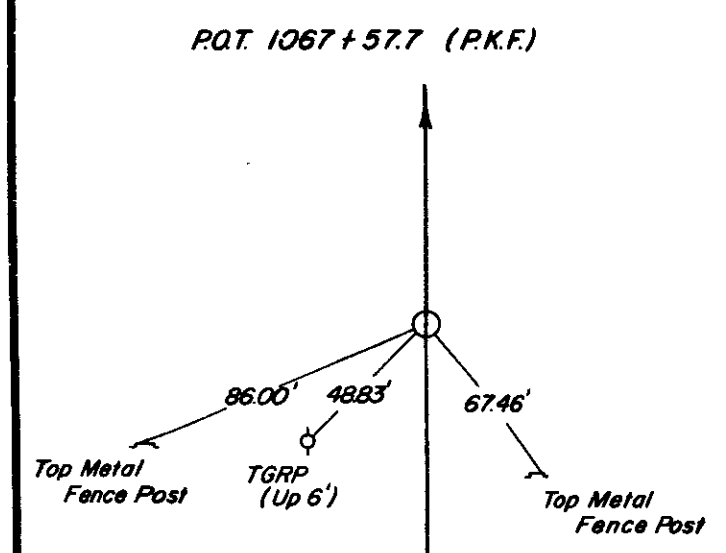
R/W Rev 8/2/71  
Per R/W Dept.

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	FT-F-95(12)	1973	37	151



Sec. 19, T24N, R8W  
Grant Two  
Benton County

For Plan & Profile Of  
Line 'J' See Sht. No. 18



LI	RI
50' - 83°24'00"	50' - 83°23'30"
100' - 83°16'30"	100' - 83°16'30"
150' - 83°25'30"	150' - 83°25'30"
200' - 83°46'00"	200' - 83°46'00"
300' - 87°47'30"	300' - 87°47'30"
400' - 88°53'30"	400' - 88°53'30"

- LEGEND**
- (1) - Intertrack Reinforced Concrete Pavement (BY OTHERS)
  - (2) - 10" R.C. Pavement
  - (3) - 1" Preformed Expansion Joint with Load Transfer
  - (4) - Longitudinal Joint
  - (5) - Concrete Header (Type "A")
  - (6) - Keyway Construction Joint
  - (7) - Concrete Header (Type "C")
  - (8) - Guard Rail for Signal Protection, Shoulder
  - (9) - Guard Rail for Signal Protection, Median

Norfolk & Western Railway Company  
Western Region  
Decatur Division  
Decatur, Illinois 62523

**TRAFFIC CENSUS**  
2 - Freights West Daily  
2 - Freights East Daily  
1 - Switch Daily

# DETAILS

SCALE: 1" = 30'

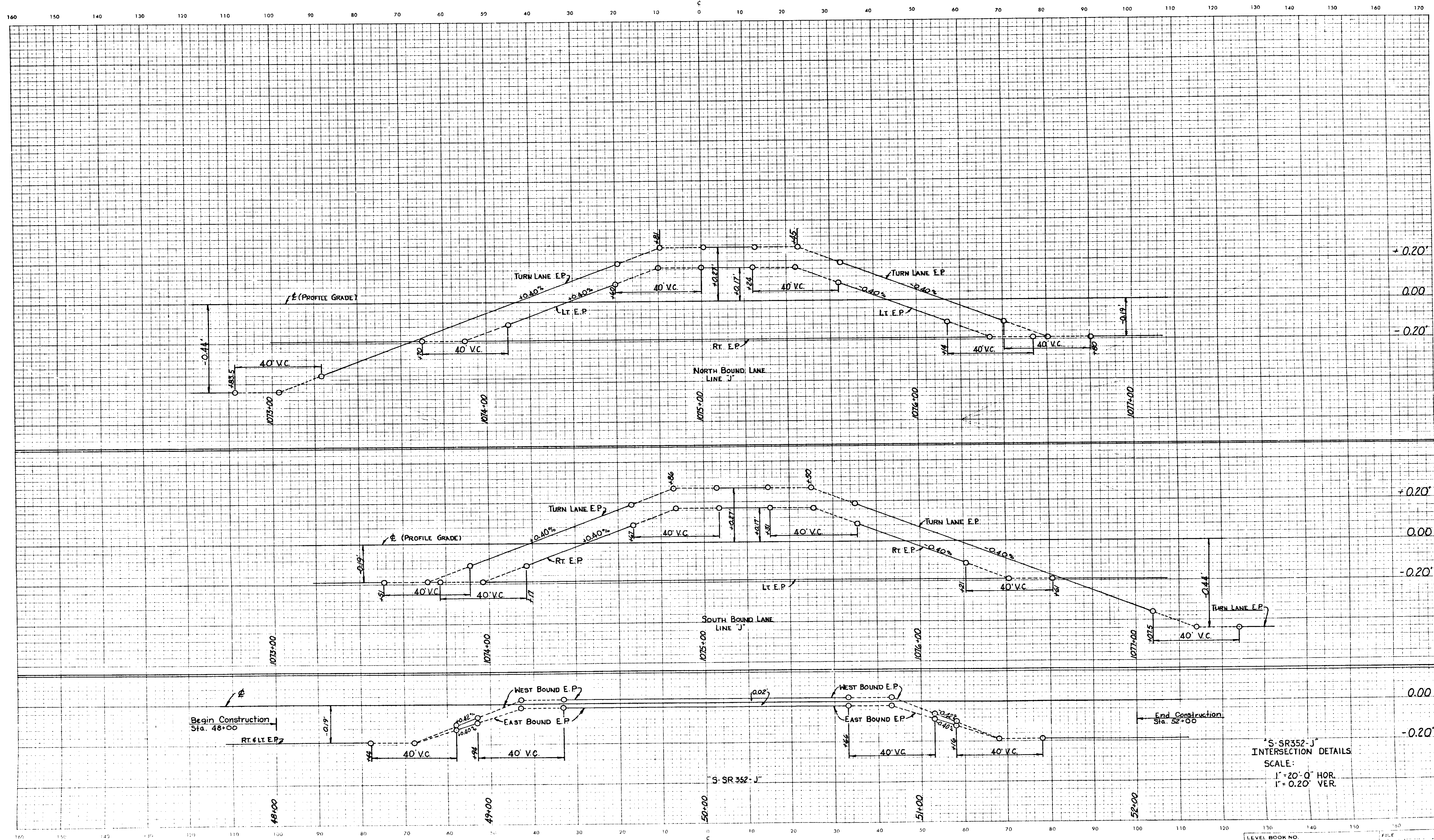


November 6, 1964

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS
FT-F-95(12)	J	37	151



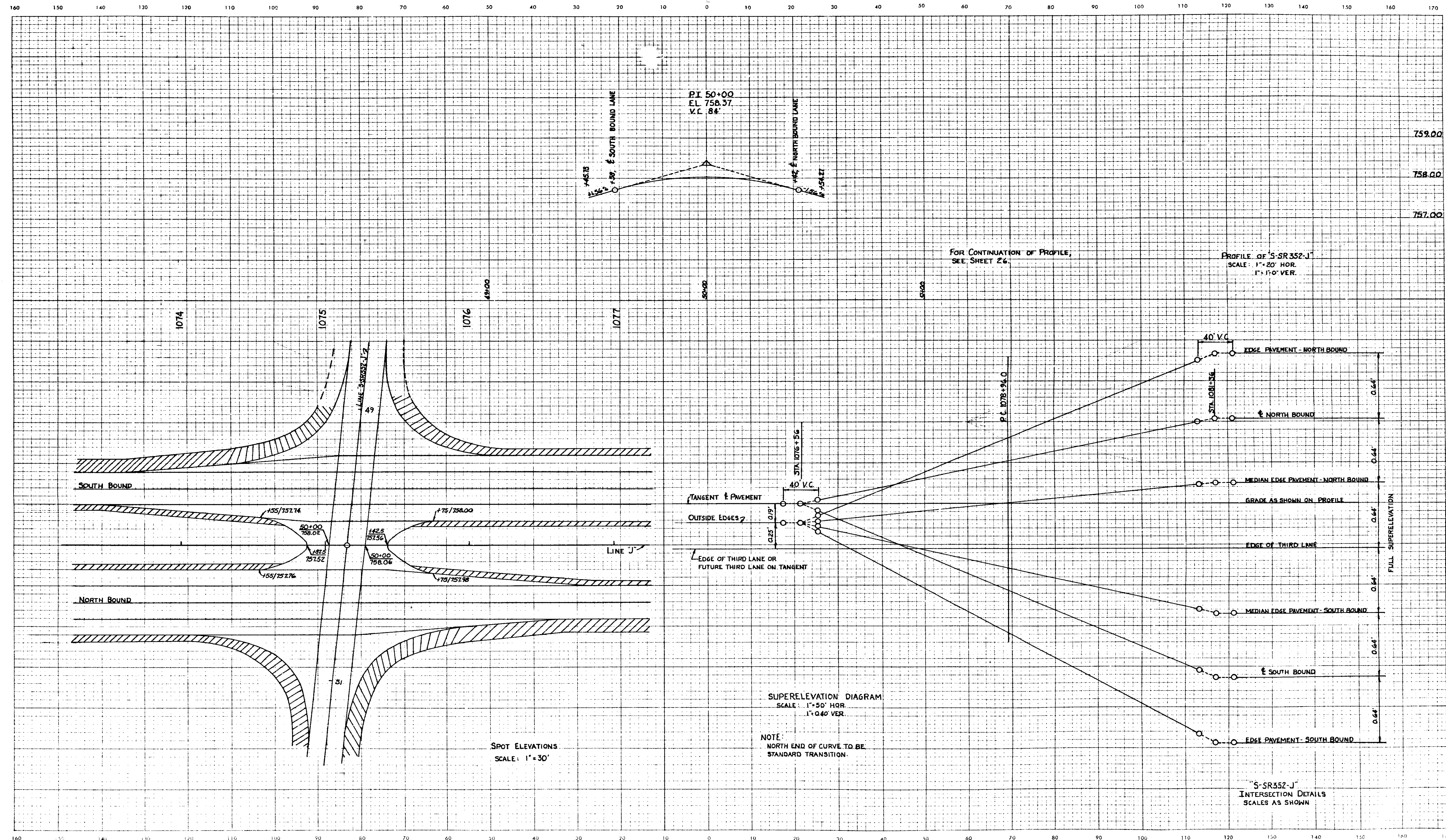
CUT      CROSS SECTIONS      FILL  
Scale 1 inch = 10 feet



S-SR352-J  
INTERSECTION DETAILS  
SCALE:  
1" = 20'-0" HOR.  
1" = 0.20' VER.

LEVEL BOOK NO.	STATE	PROJECT NO.	SHEET NO.
5	IND.	FF95 (12)	151
LINE			38A

CUT CROSS SECTIONS FILL  
Scale 1 inch = 10 feet



MAY, 1969

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
5	IND.	FT-F95 (2)	1973 38B	151

LINE

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	FT-F-95(2)	1975	39	151

Begin Construction  
Sta. 45+00

3-CENTERED CURVE DATA  
 $R_1 = 150'$   
 $R_2 = 40'$   
 $\phi = 19^\circ 47' 70''$   
 $Y = 8.86'$

3-CENTERED CURVE DATA  
 $R_1 = 150'$   
 $R_2 = 50'$   
 $\phi = 19^\circ 05' 46''$   
 $Y = 8.25'$

LEGEND  
 D.D.V. AM=100  
 PM=(100)

- LEGEND
- (3) Longitudinal Joint
  - (B) 1100# / Syd. Bituminous Mixture for Cross over
  - (C) 10" RC Pavement
  - (H) 6" Bituminous Base #5 with Type I Seal and Cover Aggregate #12
  - (K) Type "P" Compacted Aggregate Base with Type II Seal
  - (M) 110# / Syd. Bituminous Surface and 220# / Syd. Bituminous Binder over 770# / Syd. Bituminous Base

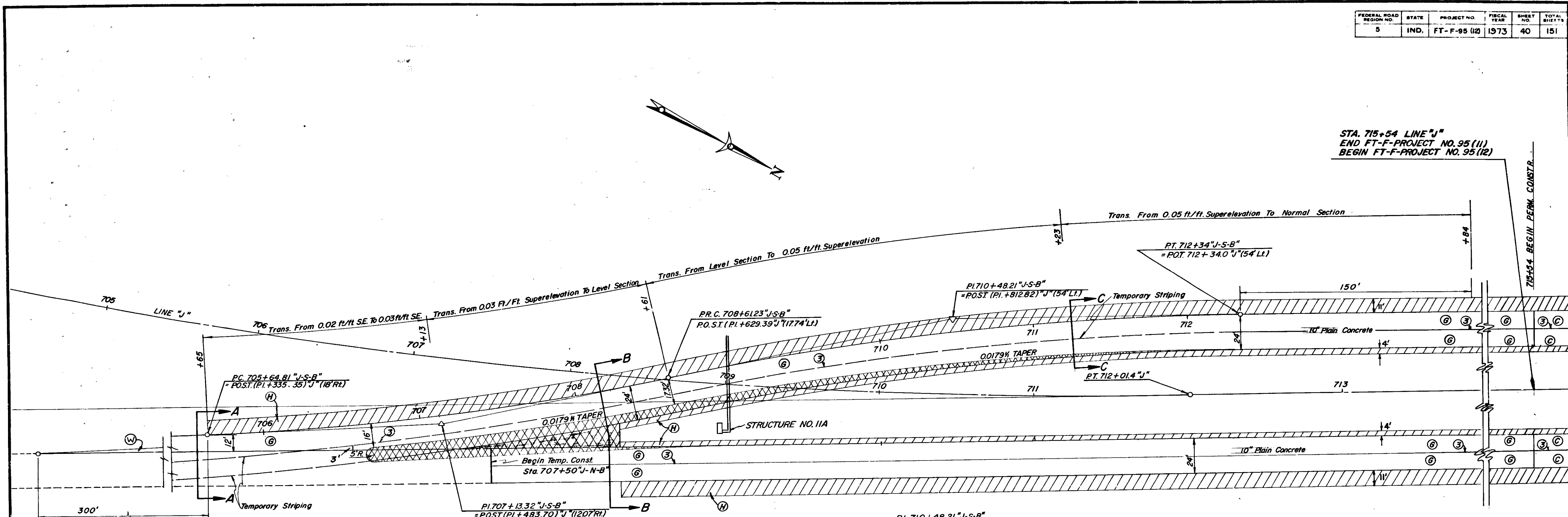
For Plan & Profile Of  
 "J" See Sheet No. 19  
 "S-14-J" See Sht. No. 27

TYPE "S" CROSSOVER REQ'D  
 SEE MISC. ST'D. SHT. MJI

"S-14-J"  
 INTERSECTION  
**DETAILS**  
 SCALE 1"=30'

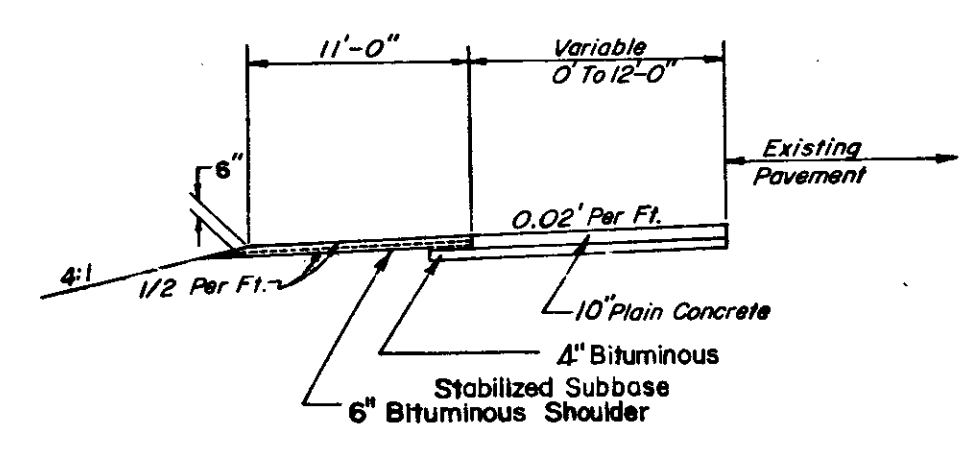
FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	FT-F-95 (12)	1973	40	151

STA. 715+54 LINE "J"  
 END FT-F-PROJECT NO. 95 (11)  
 BEGIN FT-F-PROJECT NO. 95 (12)

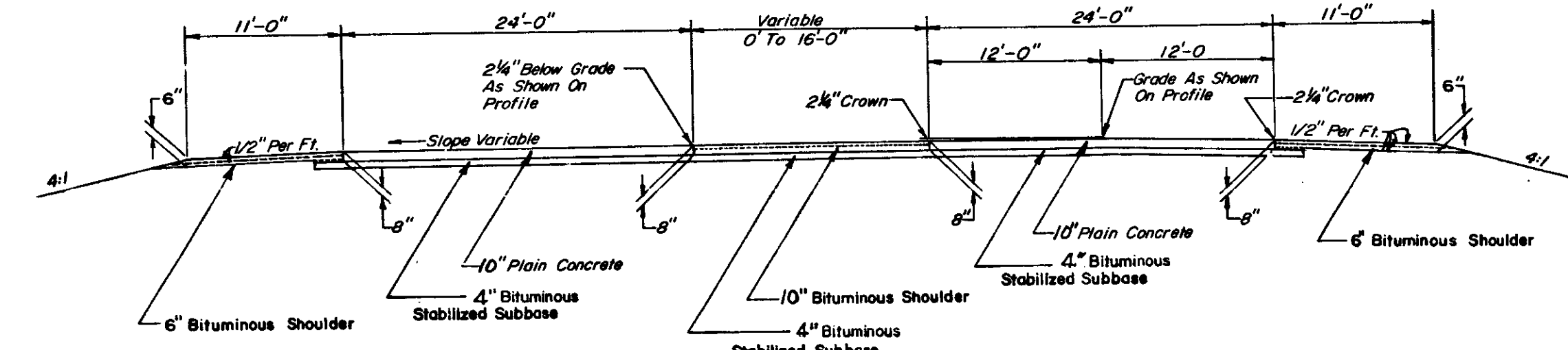


PI. 707+13.32 "J-S-B"  
 $\Delta = 8^{\circ} 53' 33''$  LI  
 $D = 3^{\circ} 00'$   
 $T = 148.51'$   
 $L = 296.42'$   
 $R = 1909.86'$   
 $E = 5.77'$

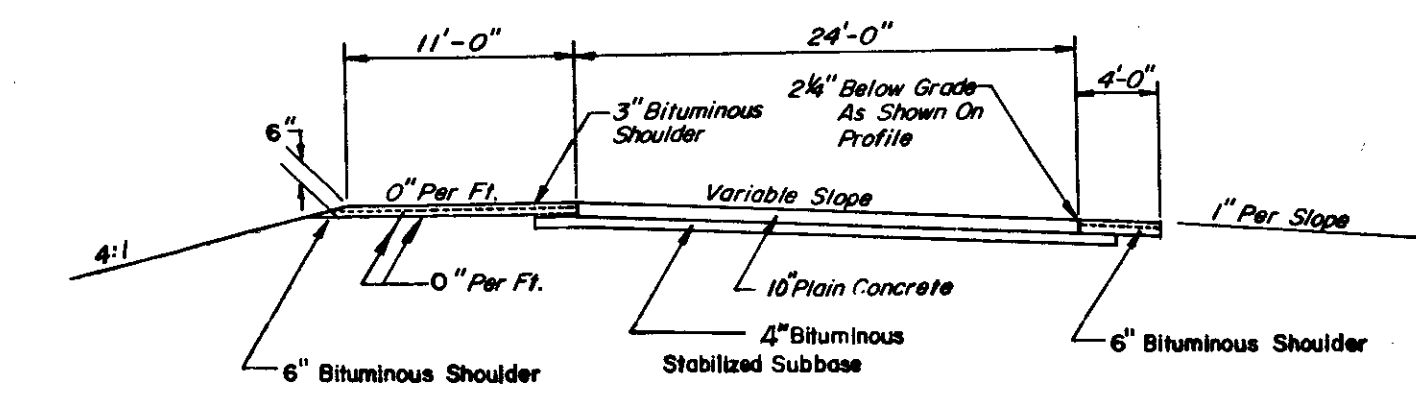
PI. 710+48.21 "J-S-B"  
 $\Delta = 11^{\circ} 10' 59''$  RI  
 $D = 3^{\circ} 00'$   
 $T = 186.98'$   
 $L = 372.77'$   
 $R = 1909.86'$   
 $E = 9.13'$



SECTION A-A  
 SCALE: 1/8" = 1'-0"



SECTION B-B  
 SCALE: 1/8" = 1'-0"



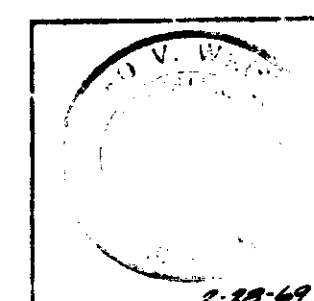
SECTION C-C  
 SCALE: 1/8" = 1'-0"

- LEGEND**
- Bituminous Shoulder
  - Bituminous Shoulder & Pvm't Striping
  - Pavement Striping
  - Longitudinal Joint
  - 10" R.C. Pavement
  - Ear Construction Type 'A' #5 Bars Lapped 2'-0" Min.
  - 10" Plain Cement Concrete Pavement
  - 6" Bituminous Base #5 with Type I Seal @ Cover Agg. #12

TRANSITION  
 SINGLE LANE TO DUAL LANE ROADWAY

# DETAILS

SCALE 1" = 30'



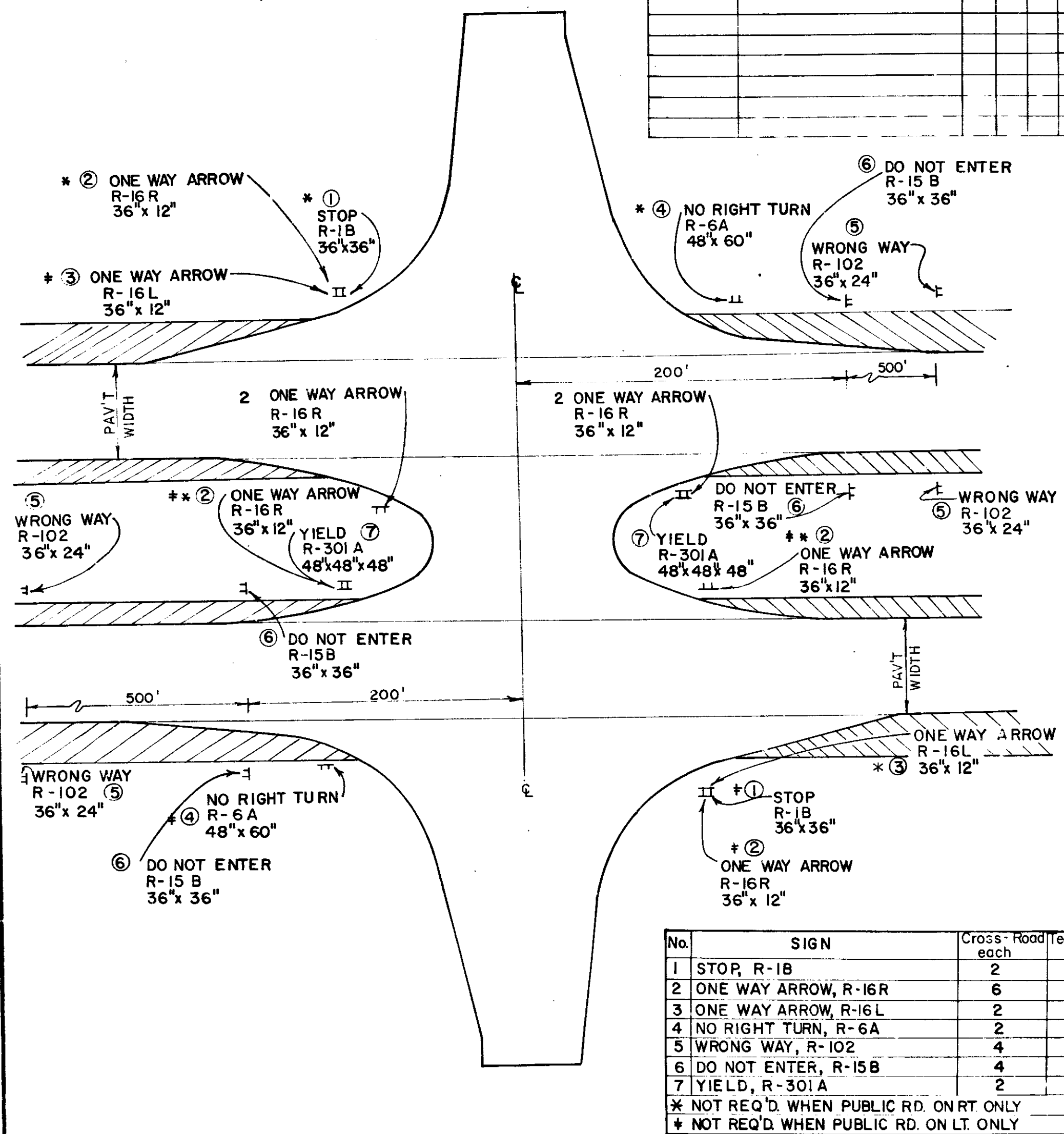
PROJECT NO.	LINE NO.	SHEET NO.	TOTAL SHEETS
FT-F-95 (12)		40	151



STA.	DESCRIPTION OF INTERSECTION	TYPE OF SIGNS EACH						
		1	2	3	4	5	6	7
		844+00	County Rd.	Lt	1	1	1	4
912+73.0	County Rd.	Rt. BLI	2	6	2	2	4	4
339+08.6	County Rd.	Rt.	1	1	1	1	4	4
965+76.5	County Rd.	Lt	1	1	1	1	4	4
992+24.4	County Rd.	Rt	1	1	1	1	4	4
1018+59.6	County Rd.	Lt	1	1	1	1	4	4
1098+0.8	County Rd.	Lt	1	1	1	1	4	4

STA.	DESCRIPTION OF INTERSECTION	TYPE OF SIGNS EACH						
		1	2	3	4	5	6	7

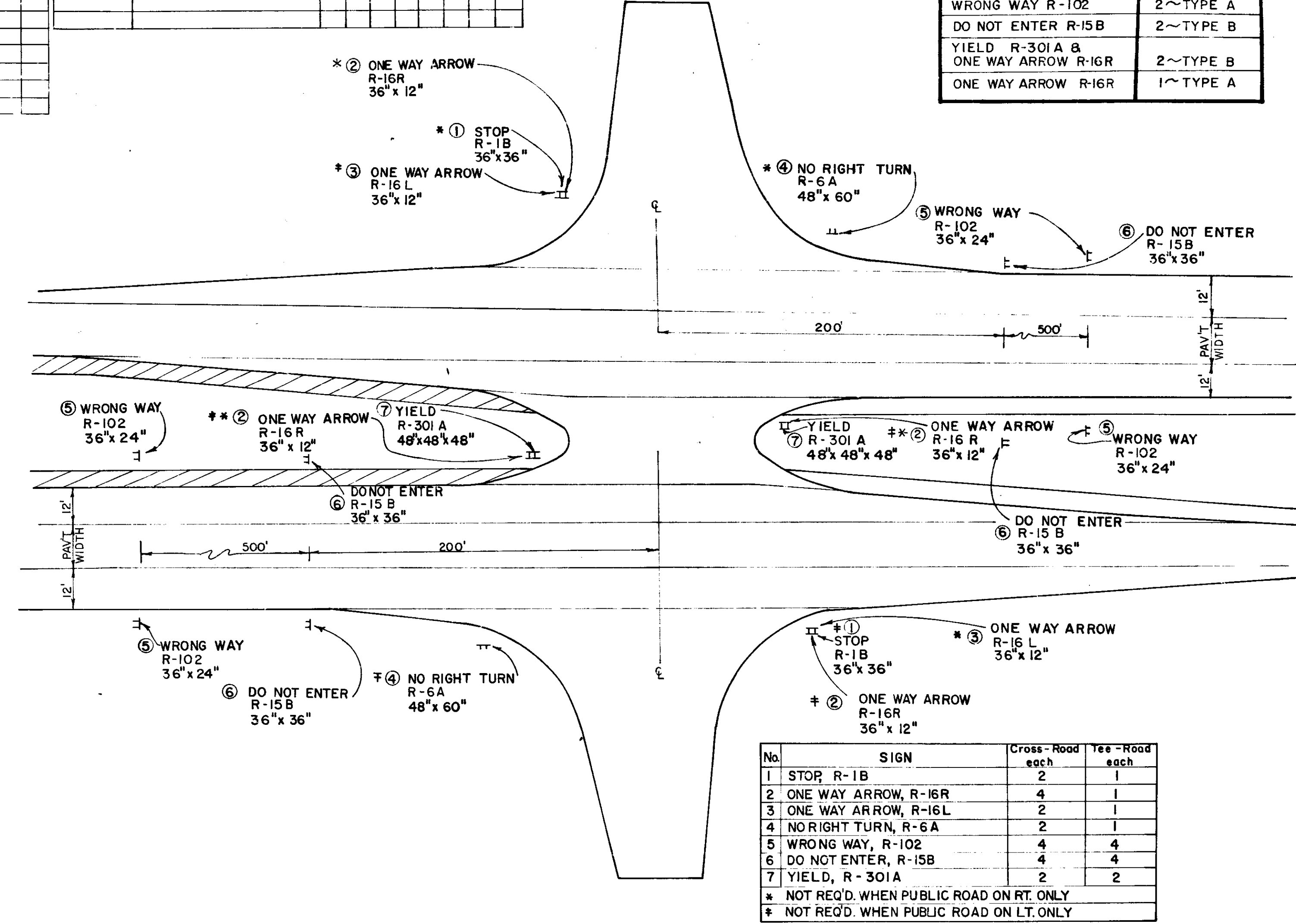
SIGN	POST SIZE
ONE WAY ARROW R-16R, STOP R-1B & ONE WAY ARROW R-16L	2~TYPE B
NO RIGHT TURN R-6A	2~TYPE Bbb
WRONG WAY R-102	2~TYPE A
DO NOT ENTER R-15B	2~TYPE B
YIELD R-301A & ONE WAY ARROW R-16R	2~TYPE B
ONE WAY ARROW R-16R	1~TYPE A



No.	SIGN	Cross-Road each	Tea-Road each
1	STOP, R-1B	2	1
2	ONE WAY ARROW, R-16R	6	1
3	ONE WAY ARROW, R-16L	2	1
4	NO RIGHT TURN, R-6A	2	1
5	WRONG WAY, R-102	4	4
6	DO NOT ENTER, R-15B	4	4
7	YIELD, R-301A	2	2

\* NOT REQ'D. WHEN PUBLIC RD. ON RT. ONLY  
 † NOT REQ'D. WHEN PUBLIC RD. ON LT. ONLY

County Road and Crossover without Turn Lanes



No.	SIGN	Cross-Road each	Tea-Road each
1	STOP R-1B	2	1
2	ONE WAY ARROW, R-16R	4	1
3	ONE WAY ARROW, R-16L	2	1
4	NO RIGHT TURN, R-6A	2	1
5	WRONG WAY, R-102	4	4
6	DO NOT ENTER, R-15B	4	4
7	YIELD, R-301A	2	2

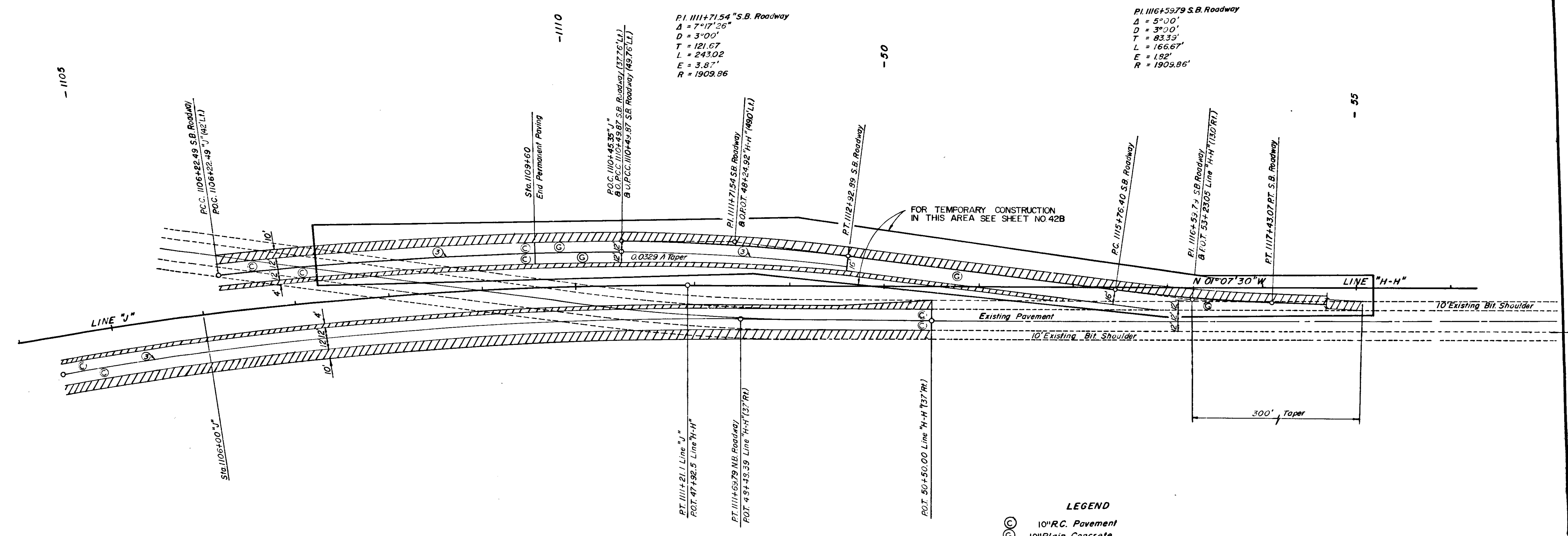
\* NOT REQ'D. WHEN PUBLIC ROAD ON RT. ONLY  
 † NOT REQ'D. WHEN PUBLIC ROAD ON LT. ONLY

County Road and Crossover with Turn Lanes

**DETAILS**  
 SIGNS AT PUBLIC ROAD CROSSINGS



FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	FT-F-95(12)	1973	42A	151



**OFFSETS**  
60'-50' MEDIAN

LEFT SIDE		RIGHT SIDE	
STATION	OFFSET	STATION	OFFSET
1098+50	30.00	1104+75	26.35
1098+75	29.99	1105+00	26.25
1099+00	29.99	1105+25	26.15
1099+25	29.99	1105+50	26.06
1099+50	29.97	1105+75	25.97
1099+75	29.96	1106+00	25.88
1100+00	29.94	1106+25	25.80
1100+25	29.91	1106+50	25.72
1100+50	29.88	1106+75	25.65
1100+75	29.85	1107+00	25.58
1101+00	29.81	1107+25	25.51
1101+25	29.77	1107+50	25.45
1101+50	29.73	1107+75	25.34
1101+75	29.68	1108+00	25.34
1102+00	29.62	1108+25	25.29
1102+25	29.57	1108+50	25.24
1102+50	29.51	1108+75	25.20
1102+75	29.44	1109+00	25.16
1103+00	29.37	1109+25	25.13
1103+25	29.30	1109+50	25.10
1103+50	29.22	1109+75	25.07
1103+75	29.14	1110+00	25.05
1104+00	29.05	1110+25	25.03
1104+25	28.96	1110+50	25.02
1104+50	28.87	1110+75	25.01
		1111+00	25.00

- LEGEND**
- ⊙ 10" R.C. Pavement
  - ⊙ 10" Plain Concrete
  - ▨ 6" Bituminous Shoulder
  - ① Terminal Joint
  - ③ Longitudinal Joint

**DETAILS**  
SCALE 1" = 50'

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
FT-F-95(12)	"J"	42-A	151	

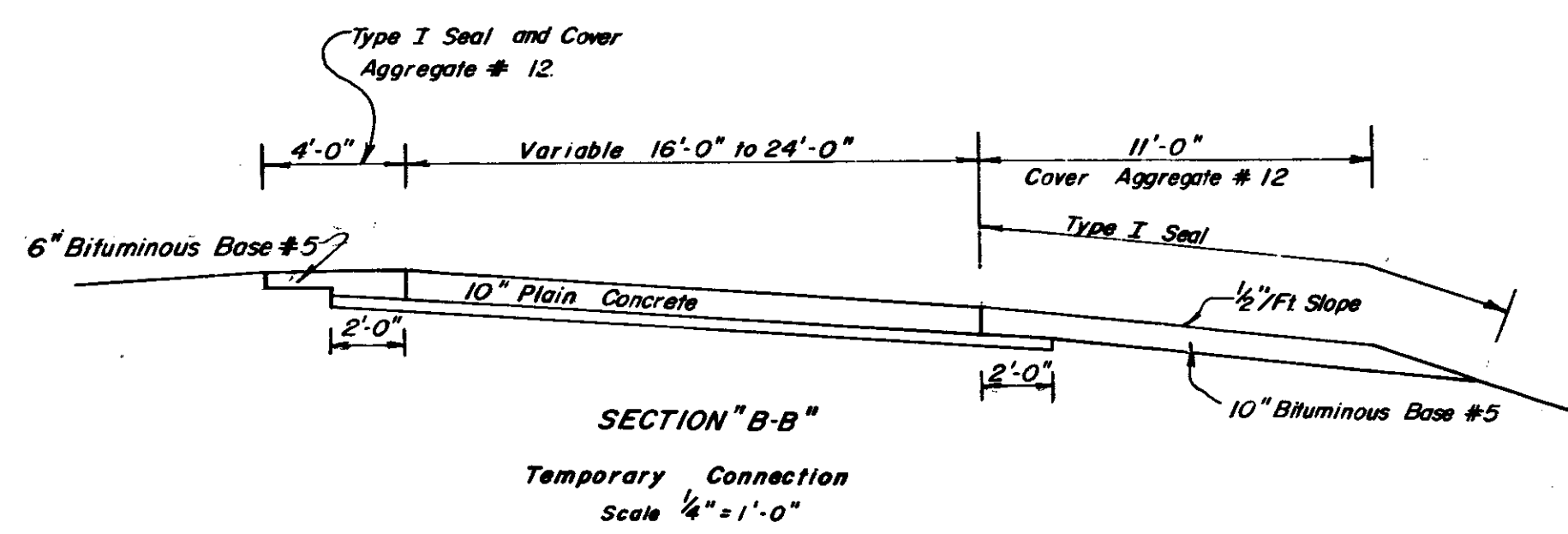
October, 1968

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	FT-F-95(12)	1973	42 B	151

**LEGEND**

- ③ Longitudinal Joint
- ④ Double Yellow Line (Paint) 4"
- ⑤ Double Yellow Line (Tape) 4"
- ⑥ White Edge Line - 8"
- ⑦ White Edge Line - 4"
- ⑧ 10" Plain Concrete
- ⑨ 6" Bituminous Base #5 with Type I Seal and Cover Aggregate #12.
- ⑩ 110#/Syd. Bituminous Surface over 880#/Syd. Bituminous Base
- ⑪ 10" Bituminous Base #5 with Type I Seal and Cover Aggregate #12.
- ⑫ Ear Construction Type "A" #5 Bars Lapped 2'-0" Min.

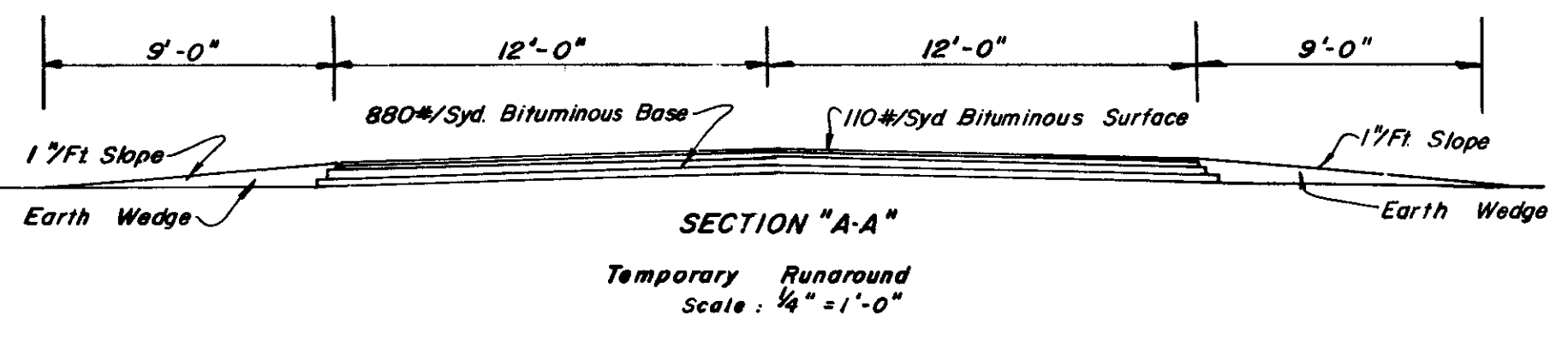
PR. No. 1 Curve Data  
 A = 7° 30'  
 D = 3° 00'  
 T = 125.18'  
 L = 250.00'  
 E = 4.07'



PR. No. 1 Curve Data  
 A = 7° 30'  
 D = 3° 00'  
 T = 125.18'  
 L = 250.00'  
 E = 4.07'

P.I. 1111+71.54  
 A = 7° 17' 26"  
 D = 3° 00'  
 T = 121.67'  
 L = 243.02'  
 E = 3.87'

P.I. 1116+59.79  
 A = 5° 00'  
 D = 3° 00'  
 T = 83.39'  
 L = 166.67'  
 E = 1.82'



**DETAILS**  
 Scale: 1" = 50'



### PAVED SIDE DITCH & SODDING SUMMARY TABLE

STATION TO STATION	PAVED SIDE DITCH (LINEAL FT.)						SODDING (SQ. YARDS)				
	TYPE	PAY LENGTH	NO. OF LUGS	PAY LENGTH	CUT OFF WALLS	PAY LENGTH	TOTAL PAY LENGTH	FOR PAVED SIDE DITCH	FOR DITCHES	OTHER	TOTAL SYS SOD
707+00 - 709+25	LT										
709+00 - 710+25	RT										
708+00 - 708+50	RT							293		293	
712+25 - 714+75	LT									45	
715+25 - 716+75	LT	B	150	3	12	2	10	172	45		220
712+75 - 714+25	RT									220	
714+25 - 718+50	RT	A	425	6	24	2	10	459	126		269
718+50 - 721+09	RT									326	326
714+00 - 725+00	RT								474	474	
714+50 - 730+00	LT									570	570
719+75 - 725+25	LT										
725+25 - 726+75	LT	A	150	2	8	2	10	168	45		45
722+25 - 725+25	RT	A	300	5	20	2	10	330	90		90
725+25 - 726+00	RT									110	110
729+65 - 779+85	LT	A	80	1	4	2	10	94	24		24
732+75 - 735+75	RT									375	375
735+75 - 736+20	RT	B	45			2	10	55	14		14
733+75 - 737+75	LT									416	416
734+00 - 839+00	RT									148	148
735+00 - 844+30	LT									275	275
844+50 - 847+50	RT									74	74
844+00 - 859+37	RT									1921	1921
844+50 - 859+47	LT									443	443
845+29 - 846+00	LT	A	71			2	10	81	22		22
846+00 - 852+25	LT									714	714
848+50 - 866+50	RT									489	489
859+67 - 882+75	LT									676	676
860+10 - 869+50	RT									1155	1155
820+00 - 885+50	RT									459	459
872+75 - 889+40	LT									2102	2102
884+00 - 889+40	RT									719	719
895+00 - 898+25	RT									413	413
895+00 - 899+25	LT									543	543
896+00 - 896+50	LT									15	15
901+00 - 905+25	RT									532	532
901+00 - 902+50	LT									182	182
902+00 - 903+50	RT									44	44
905+25 - 908+25	LT									340	340
909+00 - 909+50	LT									7	7
912+75 - 922+00	RT									1197	1197
912+75 - 914+25	LT									207	207
918+50 - 925+00	RT									193	193
919+75 - 922+25	LT									311	311
926+00 - 927+00	LT									147	147
929+75 - 933+00	RT									422	422
930+75 - 933+00	LT									341	341
932+00 - 938+00	RT									178	178
939+75 - 941+25	LT									221	221
940+00 - 948+00	RT									237	237
946+00 - 948+00	LT									30	30
947+00 - 950+25	RT									477	477
947+00 - 949+25	LT									309	309
953+00 - 965+00	RT									326	326
961+00 - 962+50	LT									44	44
961+75 - 966+00	RT									486	486
961+75 - 964+00	LT									318	318
968+00 - 988+50	RT									592	592
976+75 - 979+00	LT									281	281
978+00 - 980+00	LT									45	45
992+75 - 966+25	LT									424	424
994+00 - 990+00	LT									148	148
994+00 - 998+50	RT									133	133
1002+00 - 1018+47	LT									488	488
1064+75 - 1008+25	RT									441	441
1007+00 - 1010+00	RT									44	44
1012+00 - 1013+00	RT									15	15
1016+25 - 1018+45	LT									251	251

### PAVED SIDE DITCH & SODDING SUMMARY TABLE

STATION TO STATION	PAVED SIDE DITCH (LINEAL FT.)						SODDING (SQ. YARDS)				
	TYPE	PAY LENGTH	NO. OF LUGS	PAY LENGTH	CUT OFF WALLS	PAY LENGTH	TOTAL PAY LENGTH	FOR PAVED SIDE DITCH	FOR DITCHES	OTHER	TOTAL SYS SOD
1018+71 - 1035+00	LT										379
1019+25 - 1020+25	LT								114		114
1020+00 - 1021+00	RT									30	30
1022+75 - 1025+25	RT								286		286
1025+75 - 1027+25	LT								171		171
1024+00 - 1041+00	RT									504	504
1038+50 - 1041+00	LT									74	74
1038+25 - 1039+75	RT	C	150	1	4	2	10	164	44		44
1042+00 - 1049+00	LT									207	207
1042+00 - 1067+50	RT									681	681
1046+75 - 1050+25	LT									400	400
1046+75 - 1051+25	RT									515	515
1051+00 - 1067+50	LT									467	467
1068+00 - 1075+03	RT									208	208
1068+00 - 1075+03	RT									208	208
1075+27 - 1087+00	LT									251	251
1075+27 - 1102+00	RT									792	792
1092+00 - 1098+48	LT									192	192
1098+72 - 1102+00	LT									97	97
"S-7-J"											
45+50 - 49+65	LT									354	354
45+25 - 49+25	RT									325	325
49+25 - 49+70	RT	A	45			2	10	55	13		13
"S-8-J"											
45+00 - 46+50	LT									135	135
45+00 - 46+75	RT									160	160
46+75 - 48+88	RT	A	213	5	20	2	10	243	34		34
"S-SR26-J"											
12+00 - 15+25	RT									162	162
12+00 - 15+25	LT									162	162
17+31 - 19+00	RT									85	85
17+31 - 19+00	LT									85	85
"S-12-J"											
50+80 - 53+00	RT									110	110
50+80 - 53+00	LT									110	110
"S-13-J"											
44+50 - 45+70	LT									176	176
45+70 - 47+25	RT	A	155	1	4	2	10	169	37		37



# STRUCTURE DATA

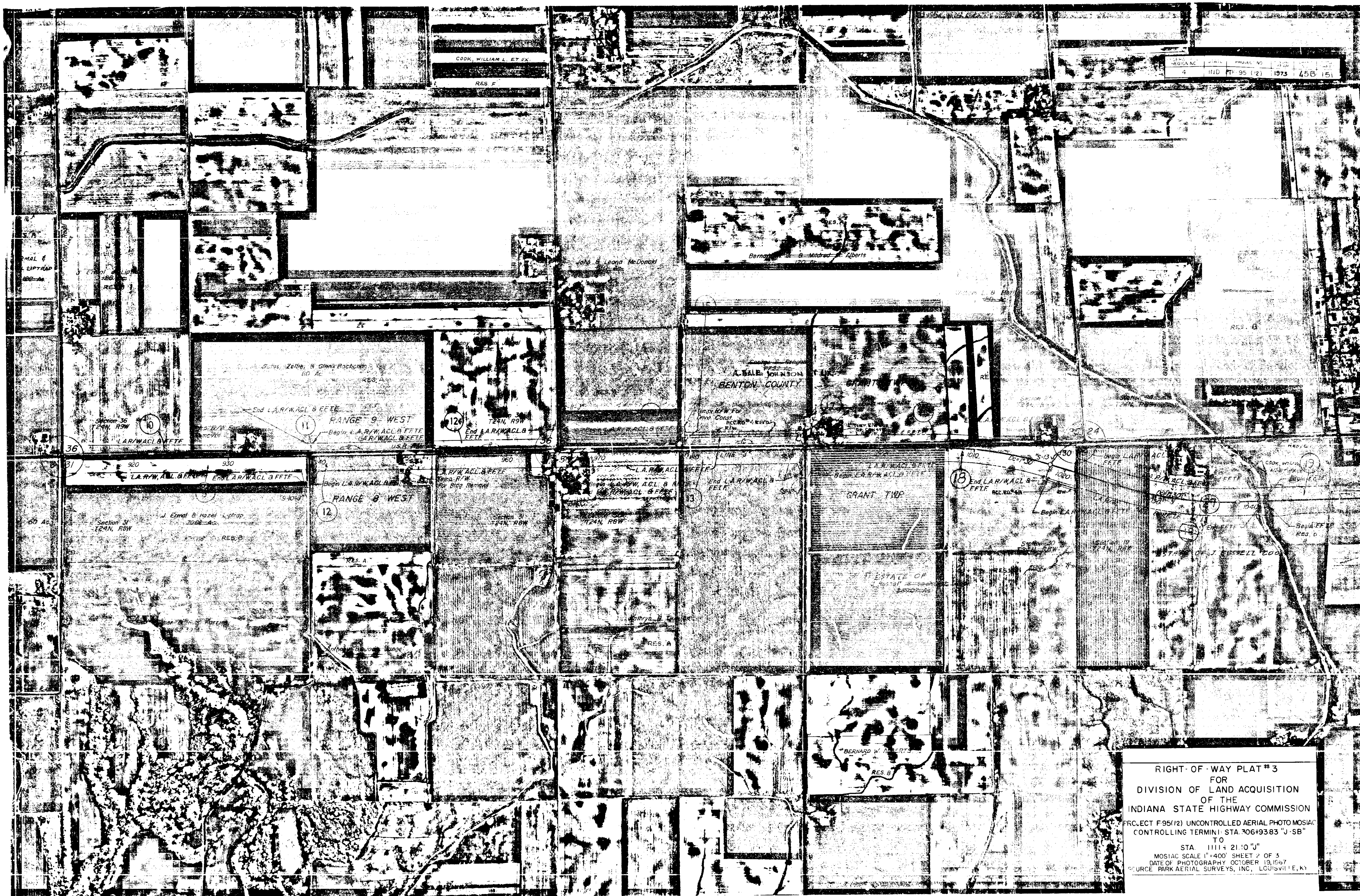
FEDERAL ROAD DISTRICT NO. 5 STATE INDIANA PROJECT NO. FT-F-95(8) FISCAL YEAR 1973 SHEET NO. 45 TOTAL SHEETS 151

STRUCTURE NUMBER	LOCATION	SIZE INCHES	DESCRIPTION	LENGTH FEET	SKEW	COVER	FLOW LINE		CONCRETE CLASS 'A'	"B" BORROW	METHOD OF BACKFILL	GAGES OR THICKNESS		REMARKS	VELOCITY	CULVERT END SECTION	SHEET NO.	
							UP STREAM ELEV.	DOWN STREAM ELEV.				STEEL	ALUMINUM					
11	721+65	126	S.P.S. OR R.C. CULVERT PIPE	296	22	18	705.50	704.00	6.79	300	A	12/108		CONST. INLET & OUTLET DITCHES 40 Sq. Yds. Reprap To Be Included In Cost Of Conc. Pipe	8.3	0	10	
11A	709+00	12	STD INLET TYPE N-12 & 1-90° BEND REQ'D	70	0	2	726.95	725.70			A	16		CONST. OUTLET DITCH			10	
12	729+30	15	STD INLET TYPE N-12	80	0	4	720.63	719.80	0	30	A	16		CONST. OUTLET DITCH			10	
13	838+75	6	L	266	9					42	A			CONNECT TO EXIST 6" FT.			11	
14	841+32	15	STD INLET TYPE N-12	88	0	5	716.42	715.00	0	30	A	16		CONST. OUTLET DITCH			11	
15	844+65	78	24" TWIN R.C. CULVERT PIPE	492	34	6	713.23	711.00	8.06	300	A		13.4	CONST. INLET & OUTLET DITCHES, SPECIAL ANCHOR SEE SHEET NO. 41 STAGE CONST. REQ'D.			11	
16	845+00	15	STD INLET TYPE N-12	82	0	4	717.58	713.50		30	A	16		16 L.F. TYPE "B" PSD REQ'D. AT OUTLET			11	
17	859+75	36	A	56	0	3	729.10	728.37	0	30	A	16		CONST. INLET & OUTLET DITCHES			12	
17A	859+75	103 R																12
18	860+15	36	A	174	0	5	730.00	729.15	0	30	A	16		CONST. INLET & OUTLET DITCHES			12	
19	860+30	15	STD INLET TYPE N-12	6	0	3	732.31	730.50	0	30	A	16		CONNECT TO STR. NO. 18			12	
20	871+60	36	A	216	14	12	740.50	736.00	0	30	A	16		CONST. INLET & OUTLET DITCHES			12	
21	874+75	12	A	6	0	12	746.78	739.00	0	30	A	16		CONNECT TO STR. NO. 20			12	
22	885+00	15	D	26	0	3	760.05	759.80	0	30	B	16	16	CONST. INLET & OUTLET DITCHES			12	
23	885+50	12	A	82	0	5	758.77	758.35	0	30	A	16		CONST. OUTLET DITCH			12	
24	891+95	6	L	290	0	5				46	A			CONNECT TO EXIST 6" FT.			13	
25	896+00	36	A	168	0	3	767.50	766.90	0	30	A	16		CONST. INLET & OUTLET DITCHES			13	
26	896+15	15	A	6	0	2	768.48	768.00	0	30	A	16		CONNECT TO STR. NO. 25			13	
27	902+50	36	A	178	0	5	770.70	770.00	0	30	A	16		CONST. INLET & OUTLET DITCHES			13	
28	902+53	5	L	296	0	8				47	4A			CONNECT TO EXIST 4" FT.			13	
29	921+85	12	A	6	0	1	766.27	766.00	0	30	4A	16		CONNECT TO STR. NO. 30			14	
30	922+00	36	A	190	0	6	765.00	764.50	0	30	4A	16		CONST. INLET & OUTLET DITCHES			14	
31	926+00	6	L	306	0	7				49	A			CONNECT TO EXIST 6" FT.			14	
32	932+85	12	A	6	0	2	761.39	761.00	0	30	A	16		CONNECT TO STR. NO. 33			14	
33	933+00	36	A	186	0	5	760.20	759.80	0	30	A	16		CONST. INLET & OUTLET DITCHES			14	
34	936+05	8	L	306	9					35	A			CONNECT TO EXIST 8" FT.			14	
35	938+50	12	A	72	0	3	759.80	759.80	0	30	A	16		CONST. OUTLET DITCH			14	
36	943+24	12	A	78	0	3	758.10	757.70	0	30	A	16		CONST. OUTLET DITCH			14	
37	943+24	8	L	290	0	9				33	A			CONNECT TO EXIST 8" FT.			14	
38	947+00	36	A	180	0	4	758.80	758.00	0	30	A	16		CONST. INLET & OUTLET DITCHES			14	
39	947+15	19	A	6	0	2	759.04	759.00	0	30	A	16		CONNECT TO STR. NO. 38			14	
39A	952+65 LT		REMOVE STRUCT IN PLACE						0.4									
40	962+00	36	A	188	0	4	762.00	761.70	0	30	A	16		CONST. INLET & OUTLET DITCHES			15	
40	Acc Rd #4																	
41	101+80	36	A	30	15	1.5	758.1	758.0	0	30	B	12		CONST. INLET & OUTLET DITCHES			16	
42	975+75	12	A	16	0	1	760.65	760.00	0	30	A	16		CONNECT TO STR. NO. 43			15	
43	979+00	36	A	186	0	6	759.30	758.50	0	30	A	16		CONST. INLET & OUTLET DITCHES			15	
44	981+75	10	L	350	30	10				51	A			CONNECT TO EXIST 10" FT.			16	
45	982+55	12	A	72	0	4	758.32	758.10	0	30	A	16		CONST. OUTLET DITCH			16	
46	995+50	6	F.B.C.C.S.	8	1					30	B	16		CONNECT TO EXIST 4" FT & OUTLET IN SIDE DITCH LT.			16	
47	996+00	12	A	42	0	2	761.65	761.00	0	30	A	16		CONNECT TO STR. NO. 48			16	
48	996+50	36	A	186	0	4	761.50	759.00	0	30	A	16		CONST. INLET & OUTLET DITCHES			16	
49	1009+80	6	L	290	0	10				46	A			CONNECT TO EXIST 6" FT.			16	
50	1018+00	18	A	78	0	3	752.00	751.30	0	30	A	16		CONST. OUTLET DITCH			17	
51	1018+60	18	D	30	0	1	751.11	751.02	0	30	B	12	10	CONST. INLET & OUTLET DITCHES			17	
52	1038+18	18	A	86	0	4	740.43	737.75	0	30	A	16		CONST. OUTLET DITCH			17	
53	1042+32	12	A	92	0	4	740.62	735.90	0	30	A	16		16 L.F. TYPE "B" PSD REQ'D. AT OUTLET			18	
54	1043+00	42	P	156	0	3			125	21	B			CONST. OUTLET DITCH			18	

STRUCTURE NUMBER	LOCATION	SIZE INCHES	DESCRIPTION	LENGTH FEET	SKEW	COVER	FLOW LINE		CONCRETE CLASS 'A'	"B" BORROW	METHOD OF BACKFILL	GAGES OR THICKNESS		REMARKS	VELOCITY	CULVERT END SECTION	SHEET NO.
							UP STREAM ELEV.	DOWN STREAM ELEV.				STEEL	ALUMINUM				
57	1059+50	15	A	80	0	3	742.21	740.60	0	30	A	16		CONST. OUTLET DITCH			18
58	1067+55	36	A	82	0	5	747.5	747.3	0	30	B			CONST. INLET & OUTLET DITCHES, PIPE TO BE JACKED UNDER RAILROAD, SEE SPECIAL PROVISIONS			18
59	1068+25	36	A	182	0	5	747.58	747.48	0	30	A	16		CONST. INLET & OUTLET DITCHES			18
60	1068+40	12	A	6	0	4	751.06	748.50	0	30	A	16		CONNECT TO STR. NO. 59			18
61	1075+05	36	A	82	0	3	749.74	749.49	0	30	A	16		CONST. INLET & OUTLET DITCHES			19
62	1075+25	36	A	82	0	3	749.80	749.55	0	30	A	16		CONST. INLET & OUTLET DITCHES			19
63	1075+65	18	A	86	0	5	752.89	750.00	0	30	A	16		17 L.F. TYPE "B" PSD REQ'D. AT OUTLET			19
64	1077+00	6	L	290	0	10				46	A			CONNECT TO EXIST 4" FT.			19
65	1080+90	10	L	290	0	11				25	A			CONNECT TO EXIST 10" FT.			19
66	1090+00	6	F.B.C.C.S.	8	1					30	A	16		CONNECT TO EXIST 6" FT & OUTLET IN SIDE DITCH LT.			19
67	1098+30	15	A	70	2		756.70	756.40		30	A	16		CONST. INLET & OUTLET DITCHES			19
68	1102+45	6	L	300	10	6				48	A			CONNECT TO EXIST 4" FT.			20
69	1108+00	12	A	78	0	4	755.17	754.70	0	30	A	16		CONST. OUTLET DITCH			20
70	471+30	15	D	24	0	1	726.00	725.70		30	B	16	12	CONST. INLET & OUTLET DITCHES			21
71	54+50	15	D	18	0	1	721.88	721.66		30	B	16	12	CONST. INLET & OUTLET DITCHES			21
72	48+88	36	D	66	0	6	713.49	713.36	0	30	B	16	16	CONST. INLET & OUTLET DITCHES			22
73	47+00 Rt.	15	D	26	0	1	774.6	773.6	0	30	B	16	12	CONST. INLET & OUTLET DITCHES			23
74	52+95 Rt	15	D	26	0	1	779.5	779.4	0	30	B	16	12	CONST. INLET & OUTLET DITCHES			23
75	52+95 Lt	15	D	26	0	1	779.5	779.4	0	30	B	16	12	CONST. INLET & OUTLET DITCHES			23
76	47+25	15	D	26	0	1	764.9	764.6	0	30	B	16	12	CONST. INLET & OUTLET DITCHES			24
77	52+75	15	D	30	0	1	768.7	768.0	0	30	B	16	12	CONST. INLET & OUTLET DITCHES			24
78	45+70	15	A	94	0	5	747.20	746.00	0	30	A	16		CONST. INLET & OUTLET DITCHES			25
79	47+80	15	D	50	0	4	749.75	749.63	0	30	B	16	16	CONST. INLET & OUTLET DITCHES			25
80	53+00	15	D	30	0	1	751.3	751.1	0	30	B	16	12	CONST. INLET & OUTLET DITCHES			26
81	45+35 Lt	15	D	24	0	1	757.35	757.33	0	30	B	16	12	CONST. INLET & OUTLET DITCHES			27
82	844+80	36	D	40	10	3	713.48	712.44	0	30	B	16	14	CONST. INLET & OUTLET DITCHES			11
57A	1058+80	10	L	290	3						A			Water Line Encasement			18
88A	1103+23Rt	15	D	42	3						B	16	16				20



RIGHT-OF-WAY PLAT #3  
 FOR  
 DIVISION OF LAND ACQUISITION  
 OF THE  
 INDIANA STATE HIGHWAY COMMISSION  
 PROJECT: F95(12) UNCONTROLLED AERIAL PH. TO MOSIAC  
 CONTROLING TERMINI: STA. 306+93.83' TO 35'  
 TO  
 STA. 11' +21.10' J'  
 MOSIAC SCALE 1"=40' SHEET 1 OF 3  
 DATE OF PHOTOGRAPHY: OCTOBER 1967  
 SOURCE OF AERIAL SURVEY: INC. LOUISVILLE, KY

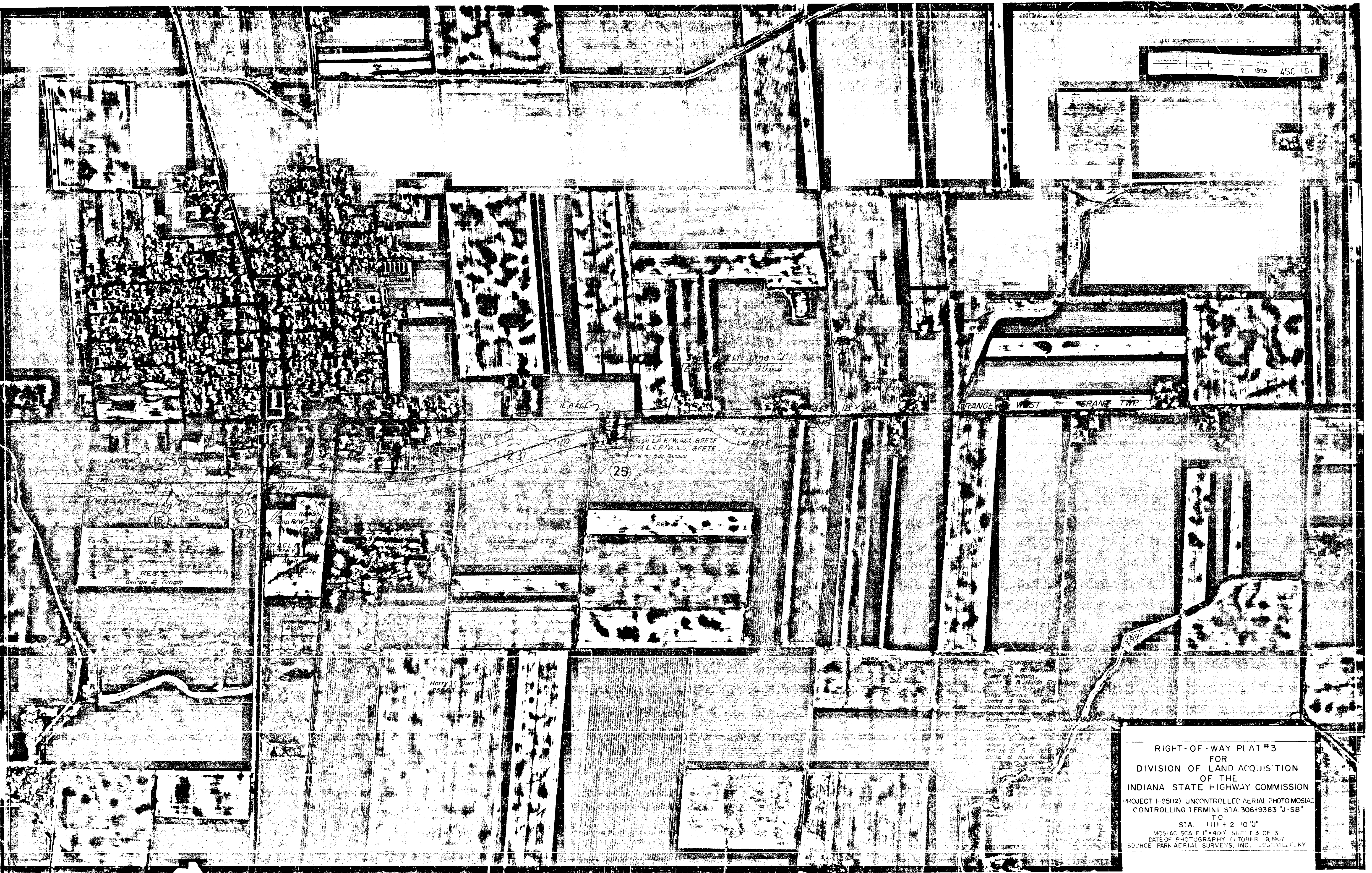


REGIONAL	LOCAL	STATE	FEDERAL
4	IND	IN 95 (2)	1973 456 151

RIGHT-OF-WAY PLAT #3  
 FOR  
 DIVISION OF LAND ACQUISITION  
 OF THE  
 INDIANA STATE HIGHWAY COMMISSION  
 PROJECT F95(12) UNCONTROLLED AERIAL PHOTO MOSAIC  
 CONTROLLING TERMINI: STA 306+93.83 "J-SB"  
 TO  
 STA 1111+21.0 "J"  
 MOSAIC SCALE 1"=400' SHEET 2 OF 3  
 DATE OF PHOTOGRAPHY OCTOBER 13, 1967  
 SOURCE: PARK AERIAL SURVEYS, INC., LOUISVILLE, KY



1975 45C 151



RIGHT-OF-WAY PLAT #3  
FOR  
DIVISION OF LAND ACQUISITION  
OF THE  
INDIANA STATE HIGHWAY COMMISSION  
PROJECT F-95(12) UNCONTROLLED AERIAL PHOTOMOSIAC  
CONTROLLING TERMINI STA 306+9383 "J-SB"  
T.C.  
STA 1111+2' 10" J"  
MOSIAC SCALE 1"=400' SHEET 3 OF 3  
DATE OF PHOTOGRAPHY OCTOBER 19 1967  
SOUTHCE PARK AERIAL SURVEYS, INC., LOUISVILLE, KY

# ESTIMATE OF QUANTITIES

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	FT-F-95(12)	1973	46	151

GRADING			
CODE NO.	DESCRIPTION	UNIT	QUANTITY
01001	MOBILIZATION	L.S.	1
01002	CLEARING RIGHT-OF-WAY	L.S.	1
01005	CLEARING	L.S.	1
01010	GRUBBING	L.S.	1
01015	CLEARING & GRUBBING	L.S.	1
02245	TREE REMOVAL 6 INCH	EA.	
02250	TREE REMOVAL 10 INCH	EA.	
02255	TREE REMOVAL 18 INCH	EA.	
02260	TREE REMOVAL 30 INCH	EA.	
02265	TREE REMOVAL 48 INCH	EA.	
02270	TREE REMOVAL 60 INCH	EA.	
02285	REMOVAL OF PRESENT STRUCTURE	L.S.	
03000	REMOVAL OF HOUSES AND BUILDINGS FROM PARCEL (7)	L.S.	1
03000	REMOVAL OF HOUSES AND BUILDINGS FROM PARCEL (9)	L.S.	1
03000	REMOVAL OF HOUSES AND BUILDINGS FROM PARCEL (11)	L.S.	1
03000	REMOVAL OF HOUSES AND BUILDINGS FROM PARCEL (12)	L.S.	1
03000	REMOVAL OF HOUSES AND BUILDINGS FROM PARCEL (13)	L.S.	1
03000	REMOVAL OF HOUSES AND BUILDINGS FROM PARCEL (16)	L.S.	1
03000	REMOVAL OF HOUSES AND BUILDINGS FROM PARCEL (21)	L.S.	1
03000	REMOVAL OF HOUSES AND BUILDINGS FROM PARCEL (25)	L.S.	1
03000	REMOVAL OF HOUSES AND BUILDINGS FROM PARCEL (24)	L.S.	1
03000	REMOVAL OF HOUSES AND BUILDINGS FROM PARCEL ( )	L.S.	1
02235	BREAKING PAVEMENT	SYS.	6,650
02240	REMOVAL OF PAVEMENT	SYS.	12,338
02080	LINEAR GRADING	MILE	
02000	COMMON EXCAVATION	CYS.	331,495
02010	ROCK EXCAVATION	CYS.	
02020	UNCLASSIFIED EXCAVATION	CYS.	
02100	PEAT EXCAVATION	CYS.	
02215	CASED TEST HOLE	LFT.	
02220	HOLE FOR TESTING OR FOR DYNAMIC 2 INCH	LFT.	
02225	HOLE FOR TESTING OR FOR DYNAMIC 4 INCH	LFT.	
02290	SETTLEMENT PLATES	EA.	
02295	PIEZOMETERS	EA.	
02300	SAND DRAINS	LFT.	
02070	BORROW	CYS.	347,664
02050	B BORROW	CYS.	1,469

PAVEMENT			
CODE NO.	DESCRIPTION	UNIT	QUANTITY
04000	REPAIRING	MILE	
04010	PORTLAND CEMENT CONCRETE FOR PATCHING	SYS.	
04015	COMPACTED AGGREGATE FOR PATCHING	TON	
04020	BITUMINOUS MIXTURE FOR PATCHING	TON	
04025	WIDENING WITH BITUMINOUS MIXTURE	TON	
04030	WIDENING WITH CEMENT CONCRETE	SYS.	
04035	WIDENING WITH COMPACTED AGGREGATE	TON	
04040	PORTLAND CEMENT CONCRETE BASE	SYS.	
04045	TYPE P COMPACTED AGGREGATE FOR BASE (SIZE NO. 53) (1)	TON	10,210
04055	TYPE O COMPACTED AGGREGATE FOR BASE (SIZE NO. 53)	TON	
04065	TYPE P COMPACTED AGGREGATE FOR SURFACE (SIZE NO. 73)	TON	570
04075	TYPE O COMPACTED AGGREGATE FOR SURFACE (SIZE NO. 73)	TON	
04085	TYPE P COMPACTED AGGREGATE FOR SHOULDER (SIZE NO. 73)	TON	
04095	TYPE O COMPACTED AGGREGATE FOR SHOULDER (SIZE NO. 73)	TON	
04105	PURE CALCIUM CHLORIDE	TON	2
04115	PURE CALCIUM CHLORIDE FOR SHOULDERS	TON	
04125	HOT ASPHALT EMULSION (AE) BASE	TON	
04135	HOT ASPHALT EMULSION (AE) BINDER	TON	
04145	HOT ASPHALT EMULSION (AE) SURFACE	TON	
04155	HOT ASPHALT CONCRETE BASE	TON	
04165	HOT ASPHALT CONCRETE BINDER	TON	
04175	HOT ASPHALT CONCRETE SURFACE	TON	
04255	BITUMINOUS BASE	TON	8,011
04256	BITUMINOUS BASE NO. 5	TON	41,557
04265	BITUMINOUS BINDER	TON	5,381
04275	BITUMINOUS SURFACE	TON	78,972
04285	BITUMINOUS MIXTURE FOR SHOULDERS	TON	
04295	BITUMINOUS MIXTURE FOR APPROACHES	TON	162
04300	BITUMINOUS MIXTURE FOR CROSSEDRAINS	TON	3,192
04335	FILLING CRACKS & JOINTS IN CONCRETE PAVEMENT OR BASE	TON	
04345	SEALING CRACKS & JOINTS IN BITUMINOUS PAVEMENT	TON	
04355	BITUMINOUS MATERIAL FOR SEAL COAT	TON	292
04365	BITUMINOUS MATERIAL FOR PRIME COAT	TON	102
04375	BITUMINOUS MATERIAL FOR TACK COAT	TON	8.6
	BIT MATERIAL FOR UNDERSEAL	TON	50
	DRILLING HOLES	EA.	475
04385	COVER AGGREGATE	TON	79
04386	COVER AGGREGATE NO. 12	TON	2,149
04395	AGGREGATES FOR SHOULDER DRAINS	TON	
	(1) INCLUDES FOR ROAD APPROACHES	TON	4,253
	(1) INCLUDES FOR FRONTAGE ROADS	TON	609
	(1) INCLUDES FOR PRIVATE DRIVES	TON	164
	( ) INCLUDES FOR COMMERCIAL DRIVES		

MISCELLANEOUS			
CODE NO.	DESCRIPTION	UNIT	QUANTITY
05000	GUARD RAIL, TYPE A	LFT.	60
05005	GUARD RAIL, TYPE B	LFT.	
05010	GUARD RAIL, TYPE C	LFT.	
05015	GUARD RAIL, TYPE D	LFT.	
05020	GUARD RAIL, TYPE E	LFT.	
05025	GUARD RAIL, TYPE F	LFT.	
05030	GUARD RAIL, TYPE G	LFT.	840
05035	GUARD RAIL FOR SIGNAL PROTECTION, SHOULDER	LFT.	2
05040	GUARD RAIL FOR SIGNAL PROTECTION, MEDIAN	EACH	2
05045	47 IN FENCE, FARM FIELD	LFT.	59,150
05050	48 IN FENCE, CHAIN LINK	LFT.	500
05055	GATE, FARM FIELD	EACH	
05060	GATE, CHAIN LINK	EACH	
05065	RESETTING FENCE, FARM FIELD	LFT.	
05070	RESETTING FENCE, CHAIN LINK	LFT.	
05075	CLASS A CONCRETE FOR GUARD RAIL	CYS.	35
05080	CONCRETE SIDEWALK	SYS.	
05085	BIRMINGHAM SIDEWALK	TON	
05090	RE-ESTABLISHED SIDEWALK	SYS.	
05095	RE-LAID SIDEWALK	SYS.	
05100	CURB, INTEGRAL	LFT.	
05105	CURB, INTEGRAL CONCRETE, TYPE B	LFT.	
05110	CURB, INTEGRAL CONCRETE, TYPE C	LFT.	
05115	CURB, CONCRETE	LFT.	
05120	CURB, CONCRETE, TYPE B	LFT.	
05125	CURB, BITUMINOUS	LFT.	
05130	CURB & GUTTER, COMBINED	LFT.	
05135	CURB & GUTTER, COMBINED, TYPE B	LFT.	
05140	CURB & GUTTER, COMBINED, TYPE C	LFT.	
05145	GUTTER, STANDARD LIP	LFT.	
05150	CONCRETE GUTTER	LFT.	
05155	CEMENT CONCRETE GUTTER	CYS.	
05160	CONCRETE GUTTER, REINFORCED	LFT.	
05165	RESIST CURB	LFT.	
05170	CENTER CURB, CONCRETE, TYPE A	LFT.	
05175	CENTER CURB, CONCRETE, TYPE B	LFT.	
05180	CENTER CURB, CONCRETE, TYPE C	LFT.	
05185	CENTER CURB, CONCRETE, TYPE D	LFT.	
05190	CENTER CURB, CONCRETE, TYPE E	LFT.	
05195	CENTER CURB, CONCRETE, TYPE F	LFT.	
05200	CENTER CURB, CONCRETE, TYPE G	LFT.	
05205	CENTER CURB, CONCRETE, TYPE H	LFT.	
05210	CENTER CURB, CONCRETE, TYPE I	LFT.	
05215	CENTER CURB, CONCRETE, TYPE J	LFT.	
05220	CENTER CURB, CONCRETE, TYPE K	LFT.	
05225	CENTER CURB, CONCRETE, TYPE L	LFT.	
05230	CENTER CURB, CONCRETE, TYPE M	LFT.	
05235	CENTER CURB, CONCRETE, TYPE N	LFT.	
05240	CENTER CURB, CONCRETE, TYPE O	LFT.	
05245	CENTER CURB, CONCRETE, TYPE P	LFT.	
05250	CENTER CURB, CONCRETE, TYPE Q	LFT.	
05255	CENTER CURB, CONCRETE, TYPE R	LFT.	
05260	CENTER CURB, CONCRETE, TYPE S	LFT.	
05265	CENTER CURB, CONCRETE, TYPE T	LFT.	
05270	CENTER CURB, CONCRETE, TYPE U	LFT.	
05275	CENTER CURB, CONCRETE, TYPE V	LFT.	
05280	CENTER CURB, CONCRETE, TYPE W	LFT.	
05285	CENTER CURB, CONCRETE, TYPE X	LFT.	
05290	CENTER CURB, CONCRETE, TYPE Y	LFT.	
05295	CENTER CURB, CONCRETE, TYPE Z	LFT.	
05300	CENTER CURB, CONCRETE, TYPE AA	LFT.	
05305	CENTER CURB, CONCRETE, TYPE AB	LFT.	
05310	CENTER CURB, CONCRETE, TYPE AC	LFT.	
05315	CENTER CURB, CONCRETE, TYPE AD	LFT.	
05320	CENTER CURB, CONCRETE, TYPE AE	LFT.	
05325	CENTER CURB, CONCRETE, TYPE AF	LFT.	
05330	CENTER CURB, CONCRETE, TYPE AG	LFT.	
05335	CENTER CURB, CONCRETE, TYPE AH	LFT.	
05340	CENTER CURB, CONCRETE, TYPE AI	LFT.	
05345	CENTER CURB, CONCRETE, TYPE AJ	LFT.	
05350	CENTER CURB, CONCRETE, TYPE AK	LFT.	
05355	CENTER CURB, CONCRETE, TYPE AL	LFT.	
05360	CENTER CURB, CONCRETE, TYPE AM	LFT.	
05365	CENTER CURB, CONCRETE, TYPE AN	LFT.	
05370	CENTER CURB, CONCRETE, TYPE AO	LFT.	
05375	CENTER CURB, CONCRETE, TYPE AP	LFT.	
05380	CENTER CURB, CONCRETE, TYPE AQ	LFT.	
05385	CENTER CURB, CONCRETE, TYPE AR	LFT.	
05390	CENTER CURB, CONCRETE, TYPE AS	LFT.	
05395	CENTER CURB, CONCRETE, TYPE AT	LFT.	
05400	CENTER CURB, CONCRETE, TYPE AU	LFT.	
05405	CENTER CURB, CONCRETE, TYPE AV	LFT.	
05410	CENTER CURB, CONCRETE, TYPE AW	LFT.	
05415	CENTER CURB, CONCRETE, TYPE AX	LFT.	
05420	CENTER CURB, CONCRETE, TYPE AY	LFT.	
05425	CENTER CURB, CONCRETE, TYPE AZ	LFT.	
05430	CENTER CURB, CONCRETE, TYPE BA	LFT.	
05435	CENTER CURB, CONCRETE, TYPE BB	LFT.	
05440	CENTER CURB, CONCRETE, TYPE BC	LFT.	
05445	CENTER CURB, CONCRETE, TYPE BD	LFT.	
05450	CENTER CURB, CONCRETE, TYPE BE	LFT.	
05455	CENTER CURB, CONCRETE, TYPE BF	LFT.	
05460	CENTER CURB, CONCRETE, TYPE BG	LFT.	
05465	CENTER CURB, CONCRETE, TYPE BH	LFT.	
05470	CENTER CURB, CONCRETE, TYPE BI	LFT.	
05475	CENTER CURB, CONCRETE, TYPE BJ	LFT.	
05480	CENTER CURB, CONCRETE, TYPE BK	LFT.	
05485	CENTER CURB, CONCRETE, TYPE BL	LFT.	
05490	CENTER CURB, CONCRETE, TYPE BM	LFT.	
05495	CENTER CURB, CONCRETE, TYPE BN	LFT.	
05500	CENTER CURB, CONCRETE, TYPE BO	LFT.	
05505	CENTER CURB, CONCRETE, TYPE BP	LFT.	
05510	CENTER CURB, CONCRETE, TYPE BQ	LFT.	
05515	CENTER CURB, CONCRETE, TYPE BR	LFT.	
05520	CENTER CURB, CONCRETE, TYPE BS	LFT.	
05525	CENTER CURB, CONCRETE, TYPE BT	LFT.	
05530	CENTER CURB, CONCRETE, TYPE BU	LFT.	
05535	CENTER CURB, CONCRETE, TYPE BV	LFT.	
05540	CENTER CURB, CONCRETE, TYPE BW	LFT.	
05545	CENTER CURB, CONCRETE, TYPE BX	LFT.	
05550	CENTER CURB, CONCRETE, TYPE BY	LFT.	
05555	CENTER CURB, CONCRETE, TYPE BZ	LFT.	
05560	CENTER CURB, CONCRETE, TYPE CA	LFT.	
05565	CENTER CURB, CONCRETE, TYPE CB	LFT.	
05570	CENTER CURB, CONCRETE, TYPE CC	LFT.	
05575	CENTER CURB, CONCRETE, TYPE CD	LFT.	
05580	CENTER CURB, CONCRETE, TYPE CE	LFT.	
05585	CENTER CURB, CONCRETE, TYPE CF	LFT.	
05590	CENTER CURB, CONCRETE, TYPE CG	LFT.	
05595	CENTER CURB, CONCRETE, TYPE CH	LFT.	
05600	CENTER CURB, CONCRETE, TYPE CI	LFT.	
05605	CENTER CURB, CONCRETE, TYPE CJ	LFT.	
05610	CENTER CURB, CONCRETE, TYPE CK	LFT.	
05615	CENTER CURB, CONCRETE, TYPE CL	LFT.	
05620	CENTER CURB, CONCRETE, TYPE CM	LFT.	
05625	CENTER CURB, CONCRETE, TYPE CN	LFT.	
05630	CENTER CURB, CONCRETE, TYPE CO	LFT.	
05635	CENTER CURB, CONCRETE, TYPE CP	LFT.	
05640	CENTER CURB, CONCRETE, TYPE CQ	LFT.	
05645	CENTER CURB, CONCRETE, TYPE CR	LFT.	
05650	CENTER CURB, CONCRETE, TYPE CS	LFT.	
05655	CENTER CURB, CONCRETE, TYPE CT	LFT.	
05660	CENTER CURB, CONCRETE, TYPE CU	LFT.	
05665	CENTER CURB, CONCRETE, TYPE CV	LFT.	
05670	CENTER CURB, CONCRETE, TYPE CW	LFT.	
05675	CENTER CURB, CONCRETE, TYPE CX	LFT.	
05680	CENTER CURB, CONCRETE, TYPE CY	LFT.	
05685	CENTER CURB, CONCRETE, TYPE CZ	LFT.	
05690	CENTER CURB, CONCRETE, TYPE DA	LFT.	
05695	CENTER CURB, CONCRETE, TYPE DB	LFT.	
05700	CENTER CURB, CONCRETE, TYPE DC	LFT.	
05705	CENTER CURB, CONCRETE, TYPE DD	LFT.	
05710	CENTER CURB, CONCRETE, TYPE DE	LFT.	
05715	CENTER CURB, CONCRETE, TYPE DF	LFT.	
05720	CENTER CURB, CONCRETE, TYPE DG	LFT.	
05725	CENTER CURB, CONCRETE, TYPE DH	LFT.	
05730	CENTER CURB, CONCRETE, TYPE DI	LFT.	
05735	CENTER CURB, CONCRETE, TYPE DJ	LFT.	
05740	CENTER CURB, CONCRETE, TYPE DK	LFT.	
05745	CENTER CURB, CONCRETE, TYPE DL	LFT.	
05750	CENTER CURB, CONCRETE, TYPE DM	LFT.	
05755	CENTER CURB, CONCRETE, TYPE DN	LFT.	
05760	CENTER CURB, CONCRETE, TYPE DO	LFT.	
05765	CENTER CURB, CONCRETE, TYPE DP	LFT.	
05770	CENTER CURB, CONCRETE, TYPE DQ	LFT.	
05775	CENTER CURB, CONCRETE, TYPE DR	LFT.	
05780	CENTER CURB, CONCRETE, TYPE DS	LFT.	
05785	CENTER CURB, CONCRETE, TYPE DT	LFT.	
05790	CENTER CURB, CONCRETE, TYPE DU	LFT.	
05795	CENTER CURB, CONCRETE, TYPE DV	LFT.	
05800	CENTER CURB, CONCRETE, TYPE DW	LFT.	
05805	CENTER CURB, CONCRETE, TYPE DX	LFT.	
05810	CENTER CURB, CONCRETE, TYPE DY	LFT.	
05815	CENTER CURB, CONCRETE, TYPE DZ	LFT.	
05820	CENTER CURB, CONCRETE, TYPE EA	LFT.	
05825	CENTER CURB, CONCRETE, TYPE EB	LFT.	
05830	CENTER CURB, CONCRETE, TYPE EC	LFT.	
05835	CENTER CURB, CONCRETE, TYPE ED	LFT.	
05840	CENTER CURB, CONCRETE, TYPE EE	LFT.	
05845	CENTER CURB, CONCRETE, TYPE EF	LFT.	
05850	CENTER CURB, CONCRETE, TYPE EG	LFT.	

# ESTIMATE OF QUANTITIES (CON'T.)

## STRUCTURE SUMMARY

CIRCULAR PIPE LINEAL FEET

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	FT-F-95(12)	1973	47	151

KIND	SIZE	CIRCULAR PIPE LINEAL FEET																	
		4"	6"	8"	10"	12"	15"	18"	18"	36"	42"	78"	126" STEEL CONG.	36"	36"				
GAGE	STEEL					16	16	16	12	16				12					
GAGE STRUCT. PLATES STEEL	TOP & SIDES													10					
	BOTTOM													10					
GROUP "A"	TOP & SIDES					643'	504'	258'		2254'				82'					
	BOTTOM																		
GROUP "D"							390'		22	106'				38'					
GROUP "L"																			
GROUP "P"											156'								
REINFORCED CONCRETE														492'					
EXTRA STRENGTH REINF. CONC.																			
HEAVY DUTY REINF. CONC.																			
VITRIFIED CLAY CULVERT																			
CORR. STEEL																			
FULLY BITUM. COATED CORR. STEEL																			
STRUCTURAL PLATE STEEL OR REINF. CONCRETE CULVERT PIPE																		296'	
FULLY BITUM. COATED CORR. STEEL																			
FULLY BITUM. COATED CORR. STEEL WITH PAVED INVERT																			
DRAINTILE CLASS STANDARD						4000'	2000'	2000'											
FULLY BITUMINOUS COATED PERFORATED CORR. STEEL																			
DRAINTILE CLASS STANDARD																			
DRAINTILE CLASS EXTRA																			
DRAINTILE CLASS HEAVY DUTY																			

\*STRUTTED  
 1 INCLUDES 17' FOR TEES & BENDS  
 2 INCLUDES 4' FOR TEES  
 3 INCLUDES 2' FOR TEES  
 4 INCLUDES 6000' UNDISTRIBUTED  
 5 INCLUDES 2500' UNDISTRIBUTED  
 6 INCLUDES 1200' UNDISTRIBUTED  
 7 INCLUDES 4000' UNDISTRIBUTED  
 8 INCLUDES 2000' UNDISTRIBUTED  
 9 INCLUDES 1000' UNDISTRIBUTED

### STRUCTURE SUMMARY (CON'T.)

PIPE ARCHES LINEAL FEET

KIND	MIN. AREA SQ. FT. *	PIPE ARCHES LINEAL FEET																	
		STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	
GAGE STRUCT. PLATES STEEL	TOP & SIDES																		
	BOTTOM																		
	TOP & SIDES																		
	BOTTOM																		
GROUP G-																			
GROUP G-																			
GROUP G-																			
GROUP H-																			
GROUP H-																			
GROUP H-																			
GROUP H-																			
CORR. STEEL PIPE ARCH																			
STRUCY. PLATE STEEL PIPE ARCH																			
BIT. COAT. CORR. STEEL PIPE ARCH																			
BIT. COAT. CORR. STEEL PIPE ARCH WITH PAVED INVERT																			
REINF. ELLIPTICAL CONCRETE																			
F. BIT. COAT. CORR. STEEL PIPE ARCH																			

(\*): SPAN AND "RISE" WHEN OTHER THAN GROUP "G" OR GROUP "H" IS SPECIFIED.

PIPE GROUP "K" FOR UNDERDRAINS	6"	79,615 LIN. FT.
PIPE FULLY BIT. COATED NON PERFORATED CORR. STEEL FOR UNDERDRAINS (GA. 18)	6"	1,855 LIN. FT.
AGGREGATE FOR UNDERDRAINS		7,165 CYS

AUTO DRAINAGE GATES		
SIZE	HEAD	EACH

CASTINGS ADJUSTED TO GRADE	REINF. CONCRETE SPRING BOXES
EACH	EACH

ITEM	UNIT	QUANTITY
CONCRETE CLASS "A" IN STRUCTURES	CYS	16.5
REINFORCING STEEL FOR STRUCTURES	LB	
	CYS	
CONCRETE CLASS "A" FOR INTEGRAL CURB WALK	CYS	

CASTINGS FURNISHED AND ADJUSTED TO GRADE		
TYPE		EACH
TYPE		EACH

INLETS				CATCH BASIN	
TYPE	EACH	TYPE	EACH	TYPE	EACH
N-12	23				

INLETS USING CASTING IN PLACE	CATCH BASINS USING CASTING IN PLACE
TYPE	TYPE
EACH	EACH

MANHOLES		PIPE CATCH BASINS		RECONSTRUCTED STRUCTURE	
TYPE	EACH	SIZE	EACH		LIN. FT.
D-4	1			MANHOLE	
				CATCH BASIN	
				INLET	

PIPE END SECTION			
SIZE	EACH	SIZE	EACH
12"	8	18" X 11"	
15"	34	22" X 13"	
18"	5	25" X 16"	
24"		24" X 16"	
30"		36" X 22"	
36"	32	43" X 27"	