FEDERAL ROAD REGION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	870(12)	1959	1	26

CODE 0192

THESE PLANS PREPARED BY
PACE ASSOCIATES
PLANNERS - ARCHITECTS - CONSULTING ENGINEERS

L D Farwell 3/18-59

~~INDEX~~

SHEET NO.	1	TITLE SHEET.
SHEET NO.		STANDARD CROSS SECTIONS. E-11-IR ADOPTED JULY 1953
SHEET NO.		STANDARD CROSS SECTIONS.
SHEET NO.	2-4	TYPICAL CROSS SECTIONS.
SHEET NO.	5	STD. PAVEMENT JOINTS. SHEET "A" ADOPTED APRIL 1957 REV. 7-11-60
SHEET NO.	6-24	PLAN AND PROFILE. WITH DETAILS
SHEET NO.	25-27	BRIDGE AND CULVERT DATA—ESTIMATE OF QUANTITIES. ~~5-26-59~~ 5-26-59
SHEET NO.	28-31	MISCELLANEOUS STANDARDS. SHT. "A" REV. ~~12/19/57~~, SHT. "B" REV. 9/3/57, SHT. "C" REV. ~~3/3/58~~, SHT. "D" REV. ~~2/1/54~~ 5-26-59
SHEET NO.	32-35	MISCELLANEOUS STANDARDS. SHT. "E" REV. 11/17/58, SHT. "H" REV. 1/6/54, SHT. "I" REV. ~~5/31/56~~, SHT. "J" REV. ~~9/3/57~~
SHEET NO.	36-38	MISCELLANEOUS STANDARDS. SHT. "N" REV. 1/23/58, SHT. "P" REV. ~~5/27/59~~, SHT. "Q" REV. ~~4/25/58~~ 1-11-60
SHEET NO.		STD. STRUCTURE CONNECTIONS FOR EXTENSIONS.
SHEET NO.		STD. REINF. CONC. BOX CULVERT.
SHEET NO.		STD. REINF. CONC. CULV.—SLAB TOP TYPE WITHOUT FILL (10'-0" TO 20'-0" SPAN)
SHEET NO.		STD. REINF. CONC. CULV.—SLAB TOP TYPE UNDER FILL 1'-0" TO 5'-0" (10'-0" TO 20'-0" SPAN)
SHEET NO.		STD. REINF. CONC. CULV.—SLAB AND GIRDER WITHOUT FILL (20'-0" SPAN)
SHEET NO.		STD. REINF. CONC. CULV.—SLAB TOP TYPE WITHOUT FILL (10'-0" TO 20'-0" SPAN) 15° SKEW.
SHEET NO.		STD. REINF. CONC. CULV.—SLAB TOP TYPE UNDER FILL 1'-0" TO 5'-0" (10'-0" TO 20'-0" SPAN) 15° SKEW.
SHEET NO.		STD. REINF. CONC. CULV.—SLAB TOP TYPE WITHOUT FILL (10'-0" TO 20'-0" SPAN) 30° SKEW.
SHEET NO.		STD. REINF. CONC. CULV.—SLAB TOP TYPE UNDER FILL 1'-0" TO 5'-0" (10'-0" TO 20'-0" SPAN) 30° SKEW.
SHEET NO.		STD. REINF. CONC. CULV.—SLAB TOP TYPE WITHOUT FILL (10'-0" TO 20'-0" SPAN) 45° SKEW.
SHEET NO.		STD. FLEXIBLE STEEL PLATE GUARD RAIL.
SHEET NO.	39	STD. GUARD RAIL. ADOPTED JULY 1956
SHEET NO.	40	STD. BEAM GUARD RAIL. REV. 1/10/57
SHEET NO.	41	STD. HEADWALLS. REV. 6/16/50
SHEET NO.		
SHEET NO.		
SHEET NO.	42	DATA FOR SUPER-ELEVATING AND WIDENING OF CURVES. ADOPTED SEPT. 1932
SHEET NO.	43-44	STD. DETOUR SIGNS. SHT. 1 REV. 2/11/54, SHT. 2 REV. 11/12/56
SHEET NO.	45-176	CROSS SECTIONS.

ALL OF THE ABOVE REQUIRED ROAD STANDARDS APPROVED BY B.P.R. 1-26-60 EXCEPT AS NOTED BELOW

SHEET NO.	DESIGNATION	APPROVED B.P.R.	DATE ADOPTED (A) or Latest Revision
~~5~~	Std. Pavement Joints Sheet ~~A~~	None	R 7-11-60
~~28~~	Misc. Standards Sheet ~~A~~	None	R 7-11-60
~~31~~	" " " ~~K~~	None	R 6-20-60
~~38~~	" " " ~~Q~~	3-17-60	R 1-11-60

R/W INDEX	
SHEET	DESIGNATION
1	TITLE SHEET
2	PARCEL LISTING
3-4	PLAT NO. 2
5-6	TYPICAL CROSS SECTIONS
7-18	PLAN & PROFILE SHEETS
19-22	DETAIL SHEETS
23	APPROACH TABLE
24	TABLE OF QUANTITIES
25-26	STRUCTURE DATA

STATE OF INDIANA

STATE HIGHWAY COMMISSION

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

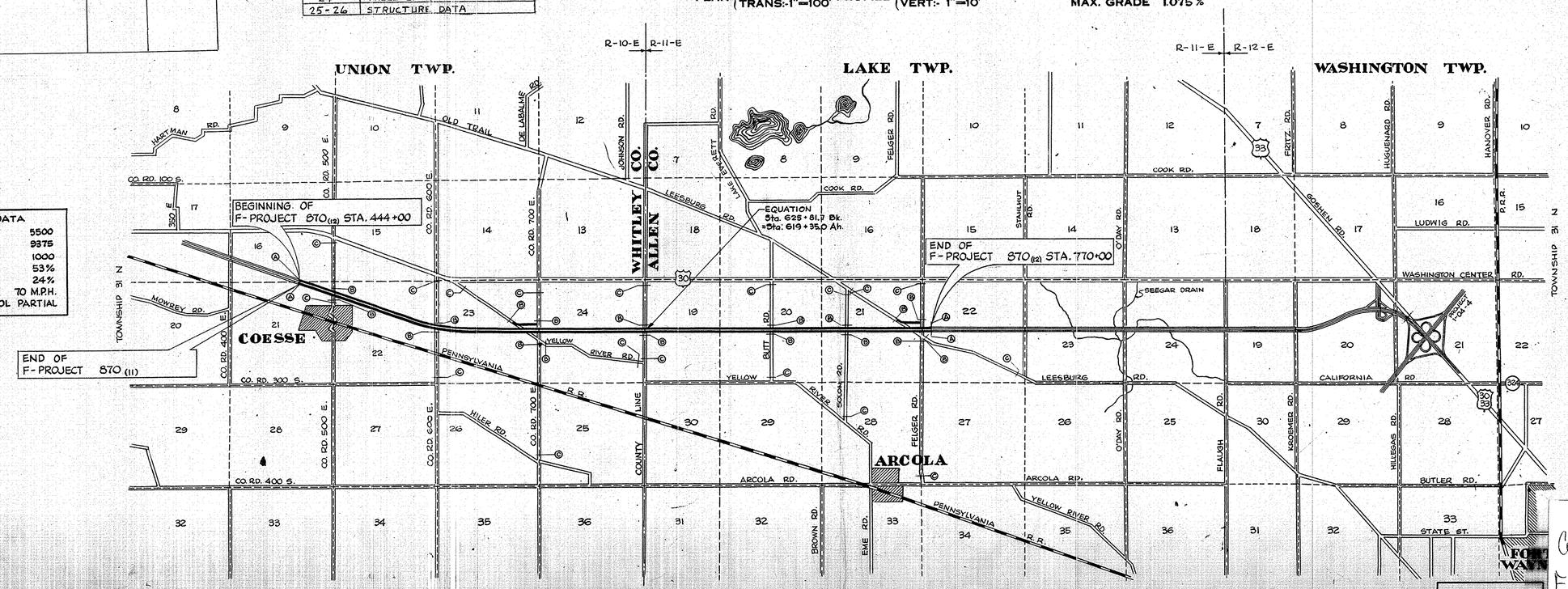
F. PROJECT NO. 870 ~~(2) P.E.~~ (12) R/W. ~~(12) CONSTR.~~

COLUMBIA CITY—FORT WAYNE RD.

BEGINNING AT A POINT APPROXIMATELY 30 FT. NORTH OF THE SOUTH LINE OF SEC. 16, T 31 N, R 10 E, WHITLEY COUNTY AND APPROXIMATELY 1076 FT. EAST OF THE 1/4 SEC. LINE OF SAID SEC. 16, AND RUNNING IN AN EASTERLY DIRECTION A DISTANCE OF 33,246.7 FT. TO A POINT APPROXIMATELY 507 FT. EAST OF THE WEST LINE OF SEC. 22, T 31 N, R 11 E, ALLEN COUNTY, AND APPROXIMATELY 78 FT. NORTH OF THE 1/4 SEC. LINE OF SEC. 22.

GROSS LENGTH:- 6.296 MI.
NET LENGTH:- ~~6.296 MI.~~
SCALES:-
PLAN { LONG:- 1"=100' TRANS:-1"=100' PROFILE { HORIZ:-1"=100' VERT:- 1"=10'
MAX. GRADE 1.075 %

REVISIONS		
DATE	SHEET NO.	DESCRIPTION
8-27-59	~~6~~	R/W
" " "	~~9~~	R/W
12-21-59	~~15, 22~~	Curve Data Added per Road Design
7-26-60	~~9, 10, 11, 12~~	Joint filler
7-29-60	~~1~~	First Sheet Note Added
7-29-60	~~24~~	Quantities
8-11-60	~~7, 18~~	Class IV Approach Sta. 488+10 Lt.



DESIGN DATA	
A.D.T.	5500
A.D.T.	9375
D.H.V.	1000
DIRECTION	53%
TRUCKS	24%
DESIGN SPEED	70 M.P.H.
ACCESS CONTROL	PARTIAL

Ⓐ STANDARD BARRICADE TYPE "A"
Ⓑ STANDARD BARRICADE TYPE "B"
Ⓒ TYPICAL SIGN STANDARDS

APPROVED AND ADOPTED 3/6/59
BY STATE HIGHWAY COMMISSION OF INDIANA.
CHAIRMAN - STATE HIGHWAY COMMISSION OF INDIANA
APPROVED 3-6-59
Carl E. Vogelgesang
CHIEF ENGINEER - STATE HIGHWAY COMMISSION OF INDIANA

RECOMMENDED FOR APPROVAL 3-5-59
W H Behrens
ENGINEER OF ROAD DESIGN, STATE HIGHWAY COMMISSION OF INDIANA

STATE HIGHWAY COMMISSION OF INDIANA.
STANDARD SPECIFICATIONS DATED 1957 TO BE USED WITH THESE PLANS.

Code 0192
F-870(12)
U.S. 30 Allen & Whitley County
26 sheets

TABULATION OF PARCEL LISTING
LAND ACQUISITION ELECTRONIC DATA PROCESSES
DIVISION OF LAND ACQUISITION
INDIANA STATE HIGHWAY COMMISSION

PARCEL NUMBER	GRANTOR	CENTER LINE	STATION TO STATION L+R	SHEET NUMBER	TOTAL AREA	R/W AREA	NATURE OF TITLE	RESIDUE LEFT	RESIDUE RIGHT
1	PARCEL 1 ON PROJECT F-870(12) AND PARCEL 17 ON PROJECT F-870(17) COVER THE SAME LAND, WITH								
1	ACQUISITION THEREOF ENTIRELY UNDER SAID PROJECT F-870(12)								
1	CAMPBELL, A. ET UX.	A			162.630AC	1.335AC	PE	0.020AC	161.275AC
2	EASTERDAY, G. S. ET UX.	A+S11A			76.550AC	5.913AC	PE	47.109AC	23.528AC
3	PALMER, OSSIE C.	A+S11A			34.900AC	6.261AC	PE	15.426AC	13.213AC
4	DIEBOLD,ROBERT A.ET UX.	A			42.000AC	4.531AC	PE	35.238AC	2.231AC
5	BRIGGS,ROBERT K. ET UX.	A			84.770AC	9.045AC	PE	9.330AC	66.395AC
6	SPRINGER,PAUL J. ET UX.	A+S12A			119.250AC	6.025AC	PE	23.797AC	10.178AC
6T		A				0.052AC	TE		
6A		A+S12A				5.430AC	PE	71.668AC	2.152AC
7	WOOD, ROY D. ET UX.	S12A			35.860AC	0.032AC	PE		35.828AC
8	STEELE, EULA BELLE V.	S12A			90.000AC	0.027AC	PE		89.973AC
8P		A				0.134AC	PV		
9	NEIDERMEYER,J.F. ET UX.	A			155.350AC	11.804AC	PE	143.422AC	0.124AC
9T		A				0.113AC	TE		
10	PETTIGREW, C. A. ET UX.	A			80.000AC	4.966AC	PE	73.266AC	
10T		A				0.091AC	TE		
10T1		A				0.153AC	TE		
10A		A+S14A				1.768AC	PE		
11	ULERICH, R. + FULK, J.	A+S14A			0.500AC	0.113AC	PE		0.387AC
12	WOOD, JAY J.,TRUSTEE	A+S14A			80.000AC	0.069AC	PE		79.931AC
12T		A				0.410AC	TE		
13	REEHLING, CLIFFORD G.	A+S14A			79.000AC	6.007AC	PE	72.993AC	
13T		A				0.429AC	TE		
13T1		A				0.673AC	TE		
14	CULBERTSON, ADELIA	A			44.000AC	6.347AC	PE	33.653AC	4.000AC
14T		A				0.101AC	TE		
14T1		A				3.049AC	TE		
15T	BEECHING, FREDERICK	A			84.500AC	3.442AC	TE		84.500AC
16	STRACK,ROBERT E. ET UX.	A+S15A			80.000AC	8.872AC	PE	71.128AC	
16T		A				3.372AC	TE		
16T1		A				0.749AC	TE		
17	WRIGHT,GRACE E. ET VIR.	A			73.230AC	0.215AC	PE		73.015AC
17T		A				2.359AC	TE		
17T1		A				0.736AC	TE		
18	LOPSHIRE, ARNEDA G.	A+S15A			77.770AC	2.748AC	PE		75.022AC
19	MESSMAN, H. H. ET UX.	A+S15A			49.230AC	6.042AC	PE	43.188AC	
19T		A				5.640AC	TE		
19T1		A				3.616AC	TE		
20	ROACH, JAMES L.	S15A			157.000AC	0.011AC	PE		156.989AC
20T		A				8.064AC	TE		
21	RUCKMAN,FLOYD A. ET UX.	A			79.000AC	6.194AC	PE	71.170AC	1.636AC
21T		A				5.417AC	TE		
21T1		A				1.298AC	TE		
22	FELGER,FOREST C. ET AL.	A			160.000AC	6.267AC	PE	73.729AC	80.004AC
22T		A				2.343AC	TE		
22T1		A				0.070AC	TE		
23T	CLIFFORD, CHARLES W.	A			80.000AC	2.209AC	TE		80.000AG
24	FICK, LOUIS ET UX.	A+S16A			159.440AC	12.669AC	PE	146.771AC	
25	KRAUSKOPF,H.,JR. ET UX.	A+S16A			80.000AC	0.054AC	PE		79.946AC
26	BUTTS, FRANK ET UX.	A+S16A			100.000AC	5.279AC	PE	12.340AC	82.381AC
27	WESSELS, FRANK ET AL.	A			140.000AC	5.892AC	PE	134.057AC	0.051AC
27T		A				0.655AC	TE		
28	SOLON,LILLIAN E. ET AL.	A+S17A			160.000AC	0.087AC	PE		159.913AC
28T		A				1.510AC	TE		

ROAD US-30 COUNTY-ALLEN-WHITLEY PROJECT F-870(12) L.A. CODE 0192 DATE 4/13/67

FED. RD. DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	F-870(12)	1959	2	26

TABULATION OF PARCEL LISTING
LAND ACQUISITION ELECTRONIC DATA PROCESSES
DIVISION OF LAND ACQUISITION
INDIANA STATE HIGHWAY COMMISSION

PARCEL NUMBER	GRANTOR	CENTER LINE	STATION TO STATION L+R	SHEET NUMBER	TOTAL AREA	R/W AREA	NATURE OF TITLE	RESIDUE LEFT	RESIDUE RIGHT
28T1		A				0.742AC	TE		
29	TRAHIN, PAUL ET UX.	A+S17A			77.000AC	5.792AC	PE	71.208AC	
29T		A				0.812AC	TE		
29T1		A				0.709AC	TE		
30	HEIDRICH, JULIAN ET UX.	S17A+A			80.000AC	0.089AC	PE		79.911AC
31	TRAHIN,C. + TRAHIN,C.J.	A+S17A			93.000AC	8.463AC	PE	84.537AC	
31T		A				0.253AC	TE		
31A	TRAHIN, CARRIE	A			30.000AC	2.828AC	PE	27.172AC	
32	ROBERTS, DEWEY ET UX.	A			13.110AC	2.853AC	PE	10.257AC	
33	ENGEMAN, W. J. ET UX.	A			10.000AC	4.160AC	PE	5.828AC	
33A		S1S18A				0.012AC	PE		
34	SCHNEIDER, DANIEL G.	A			165.000AC	0.018AC	PE		164.700AC
34A		S18A				0.069AC	PE		
34B		S18A				0.160AC	PE		
34C		S18A				0.053AC	PE		
35	PARCEL 35 ON PROJECT F-870(12) AND PARCEL 36 ON PROJECT F-870(13) COVER THE SAME LAND, WITH								
35	ACQUISITION THEREOF ENTIRELY UNDER SAID PROJECT F-870(12).								
35	STAHLHUT,CARL H. ET UX.	A			104.500AC	10.054AC	PE	94.446AC	
36	PARCEL 36 ON PROJECT F-870(12) AND PARCEL 16 ON PROJECT F-870(17) COVER THE SAME LAND, WITH								
36	ACQUISITION THEREOF ENTIRELY UNDER SAID PROJECT F-870(17).								

PE = Permanent R/W
TE = Tempory R/W
PV = Provisional R/W

FEDERAL ROAD REGION NO.	STATE	F PROJ. NO.	FISCAL YEAR	SHEET NO	TOTAL SHEETS
4	IND.	8TO(12)	1959	3	26

BEGINNING OF F PROJECT 8TO(12)
STA. 444+00

T 31 N - R 10 E
UNION TWP, WHITLEY CO.

T 31 N - R 11 E
LAKE TWP., ALLEN CO.

U.S. Rte. 30

CO. RD. 700 E.

COUNTY LINE RD.

BUTT RD.

LEESBURG RD.

YELLOW RIVER

PENNSYLVANIA R.R.

CO. RD. 500 E.

CO. RD. 600 E.

CO. RD. 300 S.

HILER RD.

SOLON RD.

YELLOW RIVER RD.

LINE "A"

Geo. & Thelma Wilson 31.93 Ac.
Wilson's Sub Div.
Carl E. Most
Geo. S. & Vera Easterday 40 Ac.
Harry G. & Oleta Mayne 160 Ac.
Ralph Widdefield 3.41 Ac.
ALEXANDER M. & RUBY T. CAMPBELL
Ossie C. Palmer 35.54 Ac.
Robt. A. & Beulah Diebold 42 Ac.
Ware A. & Blanche E. Cook 55.10 Ac.
Blanche Cook 21.30 Ac.
Paul J. & Viola M. Springer 78.35 Ac.
Small Tracts
Chas. A. Pettigrew 30 Ac.
Conda A. & Sarah Scott 21 Ac.
J. Frank Johnson 43 Ac.
Roland A. Thompson 34 Ac.
Justus P. & Nellie F. Preston 40 Ac.
Clifford G. Reehling 19 Ac.
Adella A. Culbertson 40 Ac.
Robt. E. Stack 20 Ac.
Floyd Ruckman 110 Ac.
H.H. Messmann 49.23 Ac.
FOREST FELGER 80 Ac.
Louis Fick 160 Ac.
Frank Wessels 140 Ac.
Paul Trahin 11.5 Ac.
CARRIE TRAHIN + CLIFFORD TRAHIN 122 Ac.
Kenneth Colahn 6.79 Ac.
John Gallagher Sub Div.
Dewey Roberts 15 Ac.
Robt. K. & Eloise E. Briggs 85.85 Ac.
Paul J. & Viola M. Springer 110 Ac.
John F. & Lura G. Neidermeyer
ULRICH, ROBERT + FULK, JOHN
Alverl O. & Wanda A. Pettigrew 148.42 Ac.
BUY FEE SIMPLE LANDLOCKED NO ACCESS PROVIDED Eula Belle Steele 90 Ac.
Roy D. & Dorothy M. Wood 36.11 Ac.
Elmer A. Lauer 120.55 Ac.
Victor Ditmer 119 Ac.
Jacob A. Freed
Archie D Blowers 20 Ac.
JAY J. WOOD 80 Ac.
Frederick Beeching 80 Ac.
Forrest S. & Grace E. Wright 79.28 Ac.
G. Lopshire 77.77 Ac.
Amedee
BUY FEE SIMPLE LANDLOCKED NO ACCESS PROVIDED James Roach 157.25 Ac.
STA. 625+81.7 BACK
STA. 619+35.0 AHEAD
Charles Clifford 80 Ac.
FOREST FELGER 80 Ac.
Henry Krauskopf 80 Ac.
Frank Butts 100 Ac.
BUY FEE SIMPLE LANDLOCKED NO ACCESS PROVIDED LILLIAN E. SOLON 80 Ac.
JULIAN HEIDRICH 80 Ac.
Daniel Schneider 80 Ac.
Wilbur Kuntz 80 Ac.
COESSE
S-11-A
S-12-A
S-13-A
S-14-A
S-15-A
S-16-A
S-17-A
MATCH LINE STA. 752+00

SCALE: 1" = 1000'

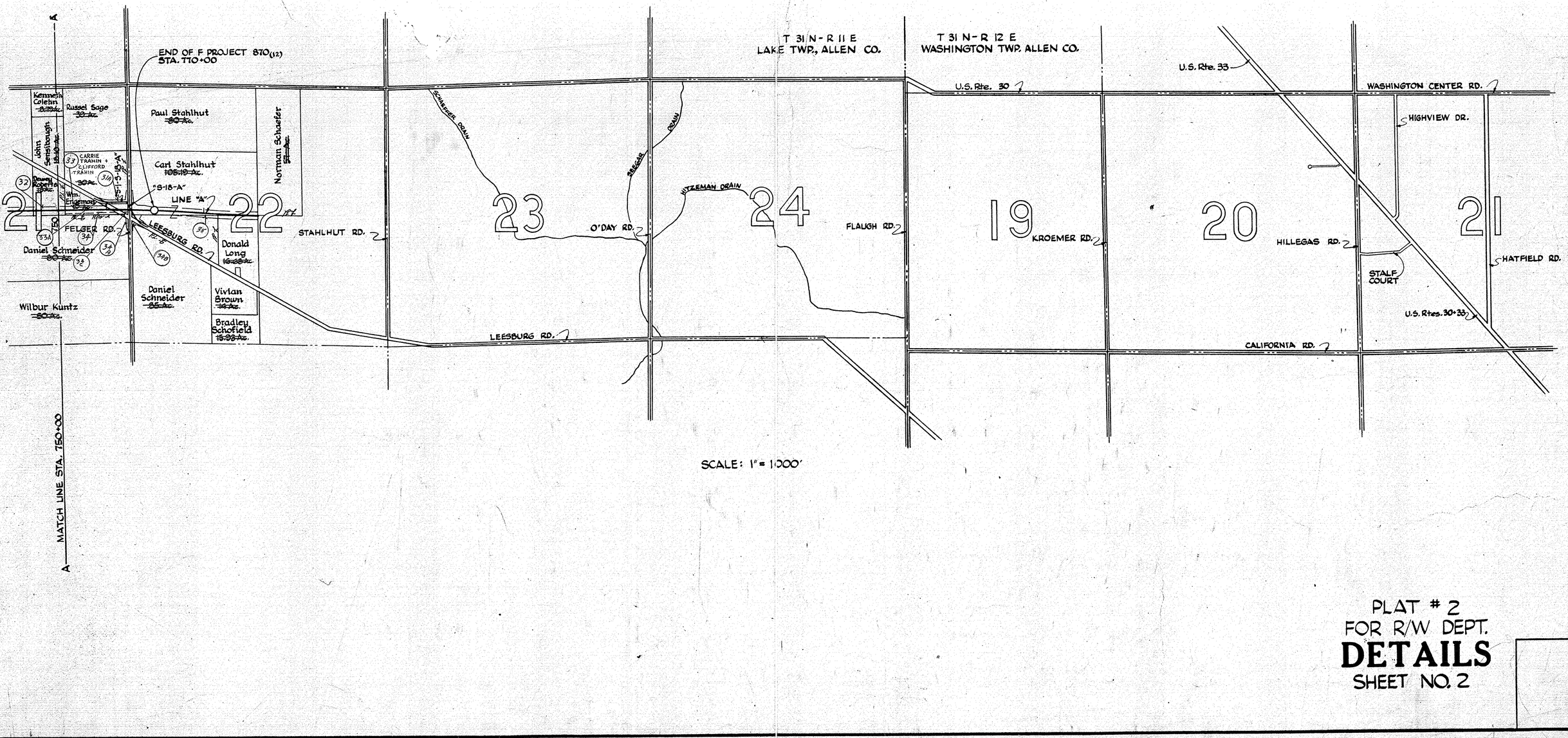
PLAT #2
FOR R/W DEPT.

DETAILS

SHEET NO. 1

INDIANAPOLIS BLUE PRINT & LITHO CO

FEDERAL ROAD REGION NO.	STATE	F PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	870(12)	1969	4	26



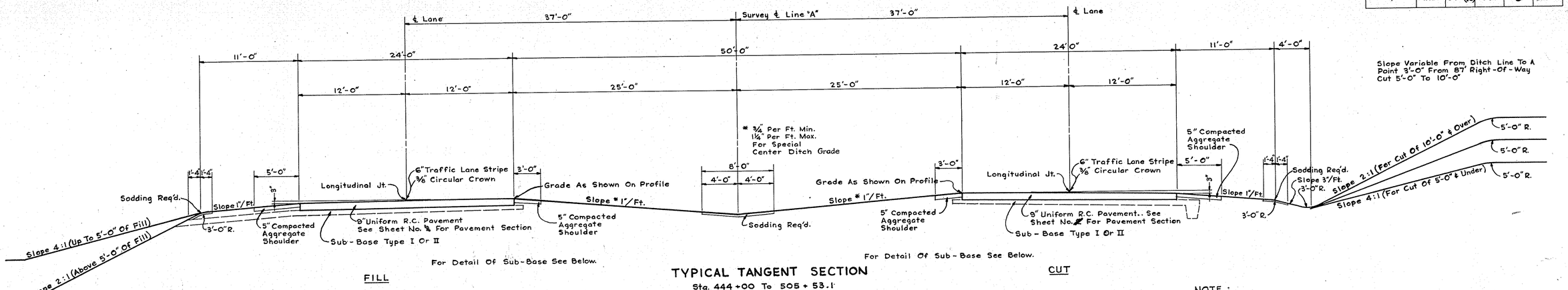
SCALE: 1" = 1000'

PLAT # 2
FOR R/W DEPT.

DETAILS

SHEET NO. 2

FEDERAL ROAD REGION NO.	STATE	F PROJ NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
4	IND.	870(12)	1959	5	26



FILL

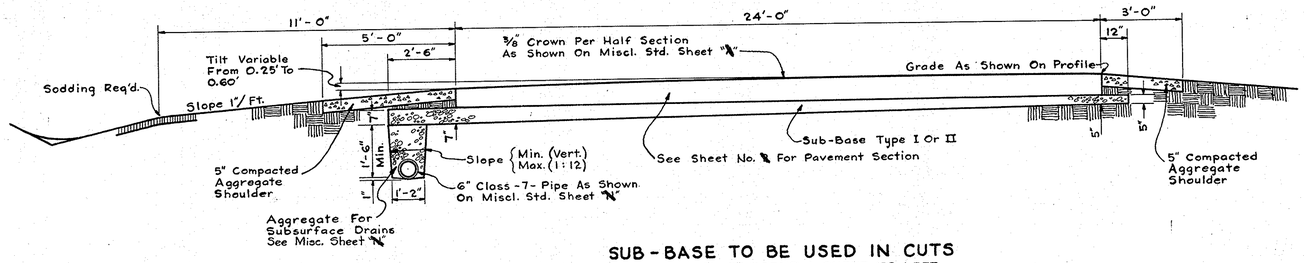
CUT

NOTE :
When Any Part Of A Fill Requires A 2:1 Slope, That Slope Shall Be Continued Thru Out The Fill On That Side.

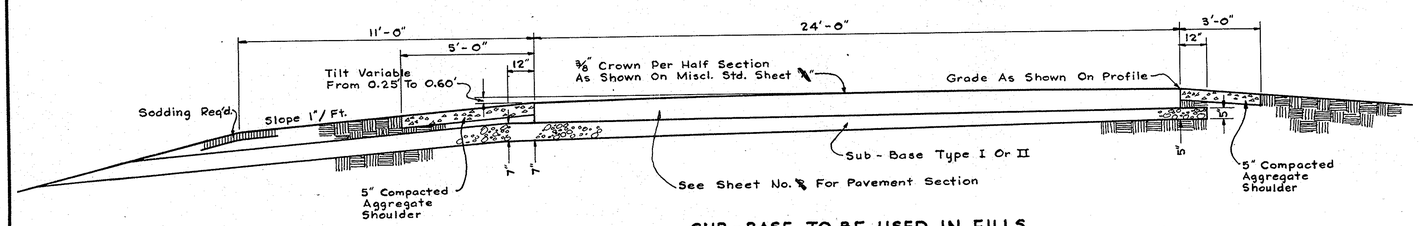
TYPICAL TANGENT SECTION

Sta. 444+00 To 505+53.1
Sta. 537+97.1 To 590+74.9
Sta. 590+74.9 To 610+08.2 (0°15' Curve Rt.)
Sta. 610+08.2 To 639+17.4
Sta. 652+07.2 To 758+25.0

NOTE :
Cut To Be Difference In Elevation Between Ditch Line And Original Ground Line At A Point 3'-0" From 87' Right-Of-Way Line.



SUB-BASE TO BE USED IN CUTS
DRAWN FOR TANGENT ℄ CURVE TO LEFT SECTIONS - SUBSURFACE DRAIN TO BE ON RIGHT FOR CUTS ℄ FILLS IN CURVE TO RIGHT SECTIONS.



SUB-BASE TO BE USED IN FILLS
DRAWN FOR TANGENT ℄ CURVE TO LEFT SECTIONS.

TYPICAL CROSS SECTIONS

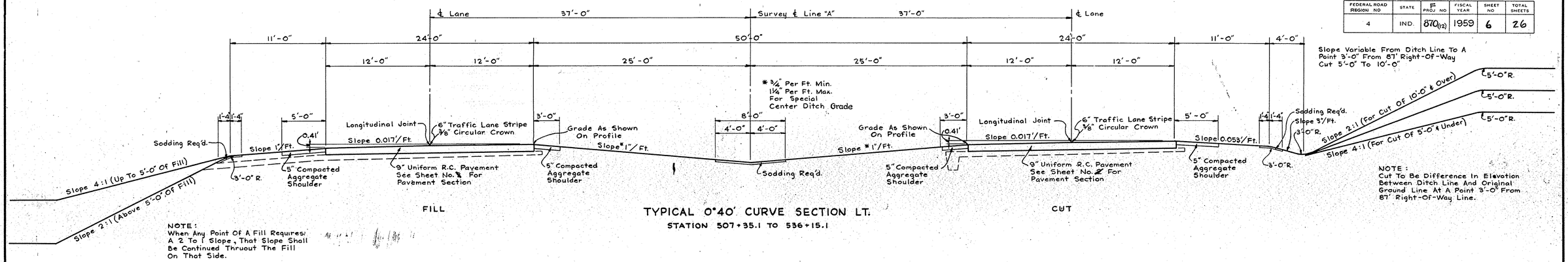
SCALE:- 3/8" = 1'-0"
3/16" = 1'-0"

APPROVED _____ CHIEF ENGINEER - STATE HIGHWAY DEPARTMENT OF INDIANA

RECOMMENDED FOR APPROVAL _____ ENGINEER OF ROAD DESIGN, STATE HIGHWAY DEPARTMENT OF INDIANA

APPROVED _____ CHAIRMAN - STATE HIGHWAY DEPARTMENT OF INDIANA

FEDERAL ROAD REGION NO	STATE	PROJ NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
4	IND.	870(12)	1959	6	26

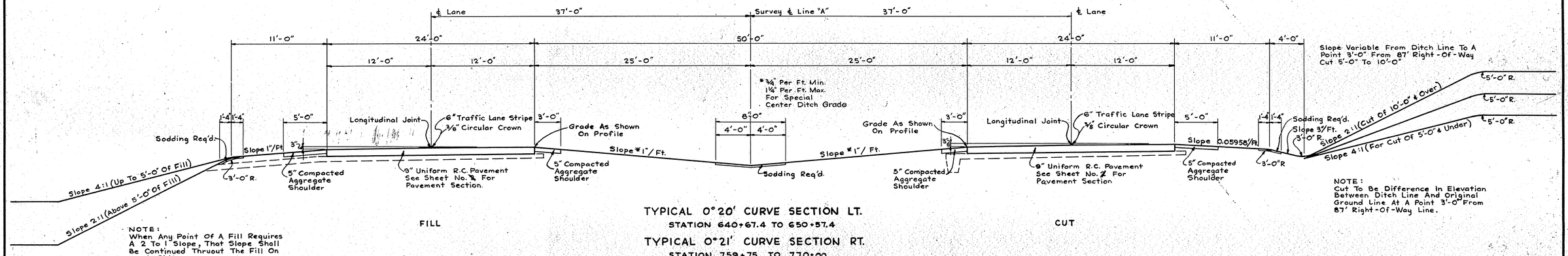


NOTE:
When Any Point Of A Fill Requires
A 2 To 1 Slope, That Slope Shall
Be Continued Thruout The Fill
On That Side.

NOTE:
Cut To Be Difference In Elevation
Between Ditch Line And Original
Ground Line At A Point 3'-0" From
87' Right-Of-Way Line.

TYPICAL 0°40' CURVE SECTION LT.

STATION 507+35.1 TO 536+15.1



NOTE:
When Any Point Of A Fill Requires
A 2 To 1 Slope, That Slope Shall
Be Continued Thruout The Fill On
That Side.

NOTE:
Cut To Be Difference In Elevation
Between Ditch Line And Original
Ground Line At A Point 3'-0" From
87' Right-Of-Way Line.

TYPICAL 0°20' CURVE SECTION LT.

STATION 640+67.4 TO 650+57.4

TYPICAL 0°21' CURVE SECTION RT.

STATION 759+75 TO 770+00

TYPICAL CROSS SECTIONS

SCALE:-

APPROVED Carl E. Vogelgesang
CHIEF ENGINEER - STATE HIGHWAY DEPARTMENT OF INDIANA

RECOMMENDED FOR APPROVAL 3-5-59
ENGINEER OF ROAD DESIGN, STATE HIGHWAY DEPARTMENT OF INDIANA

APPROVED
CHAIRMAN - STATE HIGHWAY DEPARTMENT OF INDIANA

STATE HIGHWAY
DEPARTMENT OF INDIANA

Rev. 1-29-60 First Sheet Note Added.

REG. F
4 IND 870(12) 1959 7 26
R/W Rev. 8-27-59

SECTION 16
T31N - R10E
Union Twp.
WHITLEY CO.

SECTION 21
T31N - R10E
Union Twp.
WHITLEY CO.

SECTION 22
T31N - R10E
Union Twp.
WHITLEY CO.

GEORGE S. & VERA ESTERDAY

PARCEL 36 ON PROJECT F-870(12) AND PARCEL 16 ON PROJECT F-870(17) COVER THE SAME LAND, WITH ACQUISITION THEREOF ENTIRELY UNDER SAID PROJECT F-870(17).

PARCEL 1 ON PROJECT F-870(12) AND PARCEL 17 ON PROJECT F-870(17) COVER THE SAME LAND, WITH ACQUISITION THEREOF ENTIRELY UNDER SAID PROJECT F-870(12)

HARRY G. & OLETA MAYNE

CAMPBELL, ALEXANDER M. & RUBY T.

OSSIE C. PALMER

COESSE LUTHERAN CHURCH

End Of F Project N° 870(17) Sta. 444+00
GEO. S. & VERA ESTERDAY
Begin Work Sta. 444+00

BEGINNING OF F PROJECT N° 870(12) STA. 444+00

Public Road Crossover Required At Sta. 462+44.7

For Detail Of Intersection At Sta. 462+44.7 See Sheet N° 13

Private Road Approach Class V Reqd. On Lt. Opp. Sta. 8+25 "S-11-A"

Private Road Approach Class V Reqd. On Rt. Opp. Sta. 15+85 "S-11-A"

All R/W On This Sheet To Be As Shown Limited Access Provisions To Apply Where Indicated. Access Will Be Permitted At The Following Locations:

Station	Public Type
462+44.7 Lt.	"D"
462+44.7 Rt.	"D"

STRUCTURE N° 11
186' Of 6" ~~Conc. Or V.C.~~ Sewer Pipe Reqd. Remove 186' Of 6" F. Tile In Place. Connect To 6" F. Tile In Place.

STRUCTURE N° 13
Standard Inlet Type E-7 & 69' Of 12" Class 1 Pipe With Headwall Reqd. Construct Outlet Ditch.

STRUCTURE N° 14
Standard Inlet Type E-7 & 63' Of 12" Class 1 Pipe With Headwall Reqd. Construct Outlet Ditch.

STRUCTURE N° 15
21' Of 12" Class 5 Pipe With Headwalls Reqd.

STRUCTURE N° 16
45' Of 24" Class 5 Pipe With Headwalls Reqd. Constr. Inlet & Outlet Ditches

STRUCTURE N° 17
64' Of 30" Class 5 Pipe With Headwalls Reqd. Constr. Inlet & Outlet Ditches.

STRUCTURE N° 18
126' Of 10" ~~Conc. Or V.C.~~ Sewer Pipe Reqd. Remove 126' Of 10" F. Tile & 2 Pipe Catch Basins In Place. Conn. To 10" F. Tile In Place.

STRUCTURE N° 19
24" Pipe Catch Basin With 6"-12° Conc. Or V.C. Sewer Pipe Reqd. With "T" Conn. To Struct. N° 18

STRUCTURE N° 20
24" Pipe Catch Basin With 6"-12" Conc. Or V.C. Sewer Pipe Reqd. With "T" Conn. To Struct. N° 18

STRUCTURE N° 21
21' Of 15" Class 5 Pipe With Headwalls Reqd.

STRUCTURE N° 22
Standard Inlet Type E-7 & 81' Of 12" Class 1 Pipe With Headwall Reqd. Construct Outlet Ditch.

Drains 18 Ac. C = 0.35
STRUCTURE N° 12
153' Of 24" Class 1 Pipe On 15° Skew With Headwalls Reqd. Construct Inlet & Outlet Ditches.

Drains 87 Ac. C = 0.5
STRUCTURE N° 23
180' Of 54" Class 1 Pipe On 12° Skew With Pipe Anchors Reqd. Constr. Inlet & Outlet Ditches.

453+50 To 454+90
42-8" To 18" Wil. & Elm In Water Poc.

Approx. Sec. Line 986' To Approx. ¼ Sec. Cor.

Approx. Sec. Line 1553' Lt. To Approx. Sec. Cor.

Approx. Loc.

Heavy Draw

Light Draw

Farm Lane (Earth)

Approx. Loc. F.F.T.

Approx. R/W

Approx. Loc. of Cemetery

Begin Work Sta. 8+00

Begin Limited Access & R/W Fence

End Limited Access & R/W Fence

Begin Limited Access R/W Fence Constr. Limits

Construction Limits

Access Control Line

F.F.T. Fence

Line "A" S 71° 47' E

P.O.T. 444+86.4 (I.P.L.)
P.O.T. 448+48.2 (I.P.L.)
P.O.T. 452+18.2 (I.P.B.) (N.R.A.)
P.O.T. 455+37.8 (I.P.B.) (N.R.A.)
P.O.T. 462+44.7 (I.P.F.) = P.O.T. 12+00.0 "S-11-A"
P.O.T. 468+45.9 (I.P.L.)

(Wheat) (Corn) (Garden) (Barn Lot) (Pasture) (Grass & Weeds) (Woods) (Soy Bean Stubble)

BARN 48'

Note: Woods Consist Mostly Of 2" To 4" Oak Saplings & Approx. 93-8" To 24" Trees Lt. & Rt. Of ℄ 150

Standard Cross Section E-11-IR adopted (or revised) July 1953 as shown on Sheet No. 2 to be used on this project.

1A Typical Cross Sections as Shown on Sheets No. 3+4 to be Used on This Project.

2. State Highway Department of Indiana Specifications Dated 1957 to be Used on this Project.

3. Standards Under Dates Listed in Index on Title Sheet to be Used on this Project.

4. Grade Line as Shown on Profile Represents Top of Finished Surface or Pavement

5. All Ditches of 1% and Over Shall Be Sodded Except Where Ditch is in Rock or Where Paved Side Ditch is to be Constructed

6. Entire Width of R/W Not Paved or Sodded Shall Be Plain or Mulch Seeded.

7. Excavation Quantities as Shown on Plan and Profile Sheets Include Estimated Excavation and Fill for Private and Public Approaches (See Table on Sheet No. 18)

8. Paper Relocations to be Cross Sectioned By the Project Engineer Before Construction.

9. Quantities for Headwalls are Based on Using Standard Headwalls for Retaining Slopes Steeper Than 4:1 and Private Drive Headwalls for Retaining 4:1 Slopes.

10. All Corrugated Metal Pipe Used on the Project Shall Be Bituminous Coated.

11. One Guide Post Type "A" To Be Placed on R/W Line Opposite the Outlet End of Sub-Surface Drains.

12. Where Existing Surface is Located Outside the Limits of New Construction as Shown on Plan and Profile Sheets, the Contractor Will Be Required to Remove the Present Roadway Surface and Base as Directed by the Engineer.

13. For Details of Superelevation Transitions See Sheet No. 24

14. County Roads to be Turned Back to County Beyond Limited Access R/W as Show on Plans.

15. All Limited Access Right-of-Way (L.A. R/W) to be Fenced with Chain Link Type Fence (C.L.T. Fence) or Farm Field Type Fence (F.F.T. Fence) as Specified in the Plans.

16. For Kinds of Pipe Permitted for Each Size and Classification as Shown in Structure Notes, See Miscellaneous Standard Sheet, "P".

UTILITIES

1. Telephone Poles Owned by United Telephone Co. Inc.
2. Power Poles Owned by Whitley Co. R.E.M.C. or Indiana and Michigan Electric Co.

B.M. 55 El. 852.35 Boat Spike N.E. Side 20" W Chy 210' Lt. Sta 447 + 66
B.M. 56 El. 857.04 Boat Spike S. Side 14" Willow 97' Lt. Sta. 454 + 00
B.M. 57 El. 849.44 Boat Spike S. Side Tfp. 106' Lt. Sta. 461 + 85
B.M. 58 El. 863.23 Boat Spike S. Side 20" Hick 54" Lt. Sta. 468 + 45
B.M. 1 "S-11-A" El. 855.14 X-Cut S.W. Cor. S. End Conc. Walk 46' Lt. Sta. 6 + 77
B.M. 2 "S-11-A" El. 870.45 X-Cut S.E. Cor. S. E. Cor. 1rst Step 93' Rt. Sta. 20 + 39

Balance N° 1
Excavation 7042 C.Y.
Fill + 20% 7042 C.Y.

Balance N° 2
Excavation 69,123 C.Y.
Fill + 20% 13,783 C.Y.
Overhaul 55,340 C.Y.
Above Overhaul To Be Used In Balance N° 3

126' S.Y. Sodding Required Lt.

101 S.Y. Sodding Reqd. Lt.
105 S.Y. Sodding Reqd. Rt.

48 S.Y. Sodding Required Lt.
170 L.F. Paved S. Ditch Type "B" Reqd Lt.
69 S.Y. Sodding Required Lt.
243 L.F. Paved S. Ditch Type "B" Reqd. Lt.
5 Guide Posts Type "A" Reqd Lt. @ 64' Spacing

30 S.Y. Sodding Reqd Lt.

37 S.Y. Sodding Reqd. Rt.
135 L.F. Paved S. Ditch Type "A" Reqd. Rt.
5 Guide Posts Type "A" Reqd Rt. @ 64' Spacing

147 L.F. P.S. Ditch Type "B" Reqd. Rt.
36 S.Y. Sodding Req'd Rt.

3 Guide Posts Type "A" Reqd Rt. @ 64' Spacing

Grade Special Center Ditch
Grade 3' Bottom Ditch Lt.
Grade Special Ditch Rt.
Grade 3' Bottom Ditch Rt.
Grade Special Ditch Lt.

WBR 3-5-59

F 870(12) A 7

STATE HIGHWAY
DEPARTMENT OF INDIANA

FED. ROAD REG. NO.	STATE	F PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	870(12)	1959	6	26

Rev. 8-11-60 Class V Drive Sta. 488+10

PLAN
SURVEYED
PLOTTED
NOTE BOOK
No. 7609.1

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
NOTE BOOK
No. 7611.1
STRUCTURE NOTATIONS CHECKED

DATE
BY

470 475 480 485 490 495 500

Drains 21 Ac. C=0.4
STRUCTURE N° 25
184' Of 30" Class I Pipe On 15° Skew With Headwalls Req'd.
Construct Inlet & Outlet Ditches.

STRUCTURE N° 24
Standard Inlet Type E-7 & 69' Of 12" Class I Pipe With Headwall Req'd.
Construct Outlet Ditch.

OSSIE C. PALMER
(Corn)

(Weeds)

(Weeds)

ROBT. A. & BEULAH DIEBOLD

STRUCTURE N° 26
Standard Inlet Type E-7 & 90' Of 12" Class I Pipe With Headwall Req'd.
Construct Outlet Ditch.

~~Private~~ Drive Crossover Required At Sta. 488+10 W=18'

~~Private~~ Road Approach Class V Req'd On Left Opposite Sta. 467+94

~~Private~~ Road Approach Class V Req'd. On Left Opposite Sta. 488+50

Common ~~Field~~ Dr. Approach Class V to Mainline on Left opposite Sta. 488+10

SECTION 22
T31N - R10E
Union Twp.
WHITLEY CO.

WARE A. & BLANCHE E. COOK
(Pasture)

ROBT. K. & ELOISE E. BRIGGS

(Soybean Stubble)

(Grass & Weeds)

(Corn)

+92.08 12" Elm

+90.38 12" Walnut
+06.02 8" Elm

+40.15 10" Twin Oak

F.F.T. Fence
100' L.A. R/W & Access Control Line
Light Draw
Constr. Limits
F. Ent. Earth
Log Gate
F.L.
Construction Limits
110' L.A. R/W & Access Control Line
106' L.A. R/W & Access Control Line
Construction Limits
F. Div.
Line "A"
S 71° 47' E
P.O.T. 468+45.9
P.O.T. 471+24.3
P.O.T. 485+57.4
P.O.T. 498+20.5
95' L.A. R/W & Access Control Line
87' L.A. R/W & Access Control Line
95' L.A. R/W
Edge Of Woods
Prop. Cen.
1809' Lt. To
Remove
Fen. Cor.
Start Drain
16' Frontage Road (Unpaved)
R/W For Frontage Road
Windmill (Remove)
Grass & Weeds
Access Control Line

Note: Woods Consist Mostly Of 2" To 4" Oak Saplings & Approx. 93-8" To 24" Trees Lt. & Rt. Of ℄ 150'.

(Woods)

(Pasture)

ROBT. A. & BEULAH DIEBOLD

STRUCTURE N° 27
24' Of 12" Class 5 Pipe With Headwalls Req'd.
Construct Inlet & Outlet Ditches.

STRUCTURE N° 28
24' Of 18"x11" B.C.C.M. Pipe Arch With Headwalls Req'd.

℄ 18' Frontage Road (Unpaved) 115' Rt. Of Line "A"

STRUCTURE N° 29
24' Of 18"x11" B.C.C.M. Pipe Arch With Headwalls Required.

STRUCTURE N° 30
Standard Inlet Type E-7 & 72' Of 12" Class I Pipe With Headwall Req'd.
Construct Outlet Ditch.

STRUCTURE N° 31
Standard Inlet Type E-7 & 78' Of 12" Class I Pipe On 30° Skew With Headwl. Req'd.
Construct Outlet Ditch.

ROBT. K. & ELOISE E. BRIGGS
(Soybean Stubble)

Note: There Are 6 10" To 40" Trs. Within Constr. Limits Fr. Sta. 498 To 500

~~Private~~ Road Approach Class V Req'd. On Rt. Opposite Sta. 488+10 W=18'

All R/W On This Sheet To Be As Shown. Limited Access Provisions To Apply Where Indicated. Access Will Be Permitted At The Following Locations:

Station	~~Private~~ Class
~~467+94 Lt.~~	
~~488+50 Lt.~~	
488+10 Rt.	V
488+10 Lt.	V
498+10 Lt.	V

14" Elm 5' Up
10" Hick. 5' Up
12" Iron Wood 5' Up
89.30°
85.30°
85.45°

+04.22' 18" Birch
+10.12' 8" Elm
+20.32' 6" Elm

P.O.T. 498+20.5 (I.P.B.)

15" Oak
12" Oak
15.25'
35.76'
25.67°
12" Oak
P.O.T. 468+45.9 (I.P.L.)

10" Oak
18.52'
27.18'
25.59'
10" Oak
20" Oak
P.O.T. 471+24.3 (I.P.L.)

OSSIE C. PALMER

+07, 109.1 33" 40" Elms
+15, 109.5 Center 16" Corn Crib (Remove)

ROBT. K. & ELOISE E. BRIGGS
(Pasture)

+53, 45' 15" Apple
+91, 67' 18" Apple
+03, 35' 15" Apple
+90, 35' 15" Apple

Top F.P. 49.78
74.01
43.9½
Steel F.P.
40" Willow
P.O.T. 485+57.4 (I.P.L.)

1½ Sty. Fr. Barn Earth Floor (Remove)
-04, 23' 10" Elm

B.M. 59 El. 840.28 Boat Spike N. Side 6" Box Elder 85' Rt. Sta. 474+93
B.M. 60 El. 845.68 X-Cut N.E. Side Base of Conc.
B.M. 61 El. 859.44 X-Cut S.E. Side Conc. Base Steel Corner Post 56' Rt. Sta. 481+75
B.M. 62 El. 879.79 Boat Spike N.E. Side 8" Walnut 152' Rt. Sta. 498+47

PROFILE OF FRONTAGE ROAD 115' RT. OF LINE "A"
Profile Of Ground
Profile To Follow Existing Ground Sta. 485 To 488+35
96 S.Y. Sodding Req'd. Lt.

17 Guide Posts Type "A" Req'd. Left @ 64' Spacing

Grade Special Center Ditch

Grade 3' Bottom Ditch Rt.

Grade Special Ditch Rt.

Grade 3' Bottom Ditch

199 L.F. Pvd. S. Ditch Type "A" Req'd Rt.

48 S.Y. Sodding Req'd. Right

332 L.F. Paved Side Ditch Type "A" Required Rt.

96 S.Y. Sodding Required Rt.

164 S.Y. Sodding Required Rt.

17 Guide Posts Type "A" Required Rt. @ 64' Spacing

Grade Special Center Ditch

Grade 3' Bottom Ditch Lt.

Grade Special Ditch Rt.

119 S.Y. Sodding Required Lt.

176 S.Y. Sodding Required Rt.

Balance N° 3

Excavation	12,894 C.Y.
Fill + 20%	84,714 C.Y.
Borrow	70,763 C.Y.
Spec. Borrow	1,057 C.Y.

55,340 CY Of Above Borrow To Be Obtained From Balance N° 2; 7,986 CY Of Above Borrow To Be Obtained From Balance N° 4; 7,437 C.Y. Of Above Borrow To Be Obtained From Balance N° 5

F PROJ	LINE	SHEET	FILE
870 (12)	A	6	

PLATE 1 - PLAN - PROFILE U. S. R. STANDARD

DEPARTMENT OF INDIANA

FED ROAD REG. NO	STATE	F PROJ NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
4	IND.	870(12)	1959	9	26

R/W REV. 8-27-59

PLAN — SURVEYED — PLOTTED — GRADES CHECKED — QUANTITIES CHECKED — R/W PLAT CHECKED — NOTE BOOK No. 769B-1 — BY — DATE

Public Road Crossover Required At Sta. 518+40.8

For Detail Of Intersection At Sta. 518+40.8 See Sheet No ~~13~~

SECTION 22 T31N - R10E Union Twp. WHITLEY CO.

SECTION 23 T31N - R10E Union Twp. WHITLEY CO.

TEMP. R/W FOR BUILDING REMOVAL

STRUCTURE No. 33 Standard Inlet Type E-7 & 87' Of 12" Class I Pipe With Headwall Req'd. Construct Outlet Ditch.

STRUCTURE No. 36 26' Of 18"x11" B.C.C.M. Pipe Arch With Headwalls Req'd.

STRUCTURE No. 37 40' Of 18"x11" B.C.C.M. Pipe Arch With Headwalls Req'd.

STRUCTURE No. 38 24' Of 6" V.C. Or Conc Sew. Pipe Req'd. Remove 24' Of 6" F.T. Field Tile In Place. Conn. To 6" Field Tile In Place.

STRUCTURE No. 39 24' Of 18" Class V Pipe With Headwalls Req'd.

STRUCTURE No. 40 21' Of 12" Class V Pipe With Headwalls Req'd.

STRUCTURE No. 41 39' Of 24" Class 5 Pipe With Headwalls Req'd. Construct Inlet & Outlet Ditches.

STRUCTURE No. 42 141' Of 24" Class I Pipe With Headwalls Req'd. Constr. Inlet & Outlet Ditches.

STRUCTURE No. 43 Standard Inlet Type E-7 & 21' Of 12" Class I Pipe Req'd. With Tee Connection To Structure No. 42

STRUCTURE No. 34 141' Of 15" Class I Pipe On 5° Skew With Headwalls Req'd. Construct Inlet & Outlet Ditches.

STRUCTURE No. 35 Standard Inlet Type F-7 Req'd. Connect To Structure No. 34

Drains 16 Ac. C=0.4 STRUCTURE No. 32 153' Of 24" Class I Pipe With Headwalls Req'd. Construct Inlet & Outlet Ditches.

Drains 2 Ac. C=0.4 STRUCTURE No. 34 141' Of 15" Class I Pipe On 5° Skew With Headwalls Req'd. Construct Inlet & Outlet Ditches.

Drains 11 Ac. C=0.4 STRUCTURE No. 42 141' Of 24" Class I Pipe With Headwalls Req'd. Constr. Inlet & Outlet Ditches.

Drains 14 Ac. C=0.4 STRUCTURE No. 41 39' Of 24" Class 5 Pipe With Headwalls Req'd. Construct Inlet & Outlet Ditches.

ROBT. K. & ELOISE E. BRIGGS (Corn)

PAUL & VIOLA M. SPRINGER (Corn)

PAUL & VIOLA M. SPRINGER (Pasture)

PAUL J. & VIOLA M. SPRINGER (Pasture)

ROBT. K. & ELOISE E. BRIGGS (Woods)

PAUL J. & VIOLA M. SPRINGER (Woods)

EULA BELLE STEELE (Pasture)

ROY D. & DOR. M. WOOD

~~Private~~ Road Approach Class II Req'd. On Rt. Opposite Sta. 4+67 "S-12-A"

~~Private~~ Road Approach Class V Req'd. On Lt. Opp. Sta. 4+67 "S-12-A" W = 34'

~~Private~~ Road Approach Class V Req'd. On Rt. Opp. Sta. 9+89 "S-12-A"

~~Private~~ Road Approach Class V Req'd. On Lt. Opposite Sta. 9+89 "S-12-A"

CURVE DATA
Δ = 19° 52' Lt.
D = 0° 40'
E = 130.80'
T = 1505.2'
L = 2980.0'

All R/W On This Sheet To Be As Shown. Limited Access Provisions To Apply Where Indicated. Access Will Be Permitted At The Following Locations:

Station	Public Type
518+40.8 Lt.	"B"
518+40.8 Rt.	"B"

Note: There Are 6-10" To 40" Trs. Within Constr. Limits From Sta. 498 To 500

Note: There Are 73-8" To 40" Trs. Rt. & Lt. & Within Constr. Limits From Sta. 500 To 506

Note: 42 Trees 8" & Above Within Constr. Limits From Sta. 506 To 512

14" Elm 5' Up; 10" Hick. 5' Up; 12" Iron Wood 5' Up; 18" Birch; 16" Elm; 24" Maple Up 6'; 18" Oak; 20" Beech; 24" Ash; 30" Oak

P.O.T. 498+20.5 (I.P.B.)

P.O.T. 505+15.3 (I.P.L.)

P.C. 506+85.1 (I.P.L.)

P.O.S.T. 515+31.9 (I.P.L.)

P.O.C. 518+40.8 (I.P.F.) = P.O.T. 7+00.0 Line "S-12-A"

P.O.C. 521+75.1 (I.P.B.) N.R.A. (Mid Point)

End Work Sta. 12+00

B.M. 62 El. 879.79 Boat Spike N.E. Side 8" Walnut 152' Rt. Sta. 498+47
B.M. 63 El. 854.98 Boat Spike S. Side 14" Elm 97' Lt. Sta. 501+29
B.M. 64 El. 858.29 Boat Spike S.W. Side 22" Maple 282' Lt. Sta. 511+45
B.M. 65 El. 871.47 Boat Spike S.W. Side Telephone Pole 142' Lt. Sta. 518+41
B.M. 66 El. 863.03 Boat Spike N. Side 8" Elm 156' Rt. Sta. 527+53

Balance N° 4
Excavation 42,878 C.Y.
Fill + 20% 34,642 C.Y.
Overhaul 7,986 C.Y.
Above Overhaul To Be Used In Balance N° 3

Balance N° 5
Excavation 37,573 C.Y.
Fill + 20% 15,418 C.Y.
Overhaul 22,155 C.Y.
Added Haul 7,437 C.Y.
7,437 C.Y. Of Above Overhaul To Be Used In Balance N° 3; 14,718 C.Y. Of Above Overhaul To Be Used In Bal. N° 6

Grade Special Center Ditch

Grade Special Ditch Rt.

Grade 3' Bottom Ditch Rt.

Grade 3' Bottom Ditch Lt.

160 L.F. P.S. Ditch Type "A" Req'd. Rt.

44 S.Y. Sodding Req'd. Rt.

95 S.Y. Sodding Req'd. Rt.

120 S.Y. Sodding Req'd. Left

346 S.Y. Sodding Req'd. Lt.

139 S.Y. Sodding Req'd. Rt.

16 Guide Posts Type "A" Required Left @ 66' Spacing

PLATE 1 - PLAN - PROFILE & R. R. STANDARD
INDIANAPOLIS BLUE PRINT AND LITHOGRAPH COMPANY

F PROJ	LINE	SHEET	FILE
870(12)	A	9	

STATE HIGHWAY
DEPARTMENT OF INDIANA

FED. ROAD REQ. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	F 870(12)	1959	10	26

R/W Rev. 8-27-'59

PLAN
SURVEYED
PLOTTED
NOTE BOOK
No. 7809 T

DATE | BY
COMPUTED
GRADES CHECKED
R. OF WAY CHECKED
R. W.'s NOTED
STRUCTURE NOTATIONS CHECKED

PAUL J. & VIOLA M. SPRINGER
(Pasture)

JOHN F. & LURA G. NEIDERMEYER
(Pasture)

SECTION 23
T31N - R10E
UNION TWP.
WHITLEY CO.

JOHN F. & LURA G. NEIDERMEYER

CHAS. A. PETTIGREW
(Pasture)

STRUCTURE N° 44
Standard Inlet Type E-7 & 76' Of 12" Class 1 Pipe On 30° Skew With Headwl. Reqd. Construct Outlet Ditch.

STRUCTURE N° 45
486' Of 12" Drain Tile, 1-45° Bend & 1-12"x12" Tee (East End Plugged) Reqd. Remove 570' Of 12" F. Tile & Hdwl. In Place. Connect Inlet To 12" F. Tile In Place & Outlet To Structure N° 46.

STRUCTURE N° 46
198' Of 12" R.C., V.C., C.I. Or Concrete Pipe With Headwall Reqd. Connect To Structure N° 45 On Left.

Drains 51 Ac. C=0.4
STRUCTURE N° 48
196' Of 42" Class 1 Pipe On 30° Skew With Pipe Anchor at Inlet & Std. Headwall with W. Wings at Outlet Req'd. Construct Inlet & Outlet Ditches.

STRUCTURE N° 49
Standard Inlet Type E-7 & 69' Of 12" Class 1 Pipe With Headwall Reqd. Construct Outlet Ditch.

Drains 6 Ac. C=0.4
STRUCTURE N° 50
141' Of 18" Class 1 Pipe With Headwalls Req'd. Construct Inlet & Outlet Ditches.

Drains 15" Ac. C=0.35
STRUCTURE N° 52
141' Of 24" Class 1 Pipe On 10° Skew With Hdwls. Reqd. Constr. Inlet & Outlet Ditches.

STRUCTURE N° 54
Standard Inlet Type E-7 & 68' Of 12" Class 1 Pipe With Headwall Req'd. Construct Outlet Ditch.

(Wheat)
(Clover)
(Grass & Weeds)
(Woods)
(Cultivated)
(Grass & Weeds)

87' L.A. R/W & Access Control Line
100' L.A. R/W & Access Control Line
L.A. R/W & Access Control Line
F.F.T. Fence
LINE "A"
Construction Limits
Temporary R/W For Drain Pipe
Approx. Edge of Woods
Edge of Woods
Light Drain
Lt. Draw
Approx. Top 6' F.T.
Approx. Toe 5' F.T.

N 88°21' E
N 68°21' E

P.O.S.T. P.I. + 1033.3
P.T. 536+65.1
P.O.T. 544+18.4
P.O.T. 558+49.0

STRUCTURE N° 47
Standard Inlet Type E-7 & 84' Of 12" Class 1 Pipe With Headwall Reqd. Construct Outlet Ditch.

STRUCTURE N° 51
201' Of 6" Conc. Or V.C. Sewer Pipe Req'd. Remove 201' Of 5" F. Tile In Place. Connect To 5" F. Tile In Place.

STRUCTURE N° 53
192' Of 6" Conc. Or V.C. Sewer Pipe Req'd. Remove 192' Of 6" F. Tile In Place. Connect To 6" F. Tile In Place.

LANDLOCKED
No Access Provided

PROVISIONAL
Temporary R/W For Outlet Ditch

There are 37-8" to 40" Trs. Rt. & Within Constr. Limits From 540 to 545

EULA BELLE STEELE
(Pasture)

ALVERL O. & WANDA A. PETTIGREW
(Pasture)

All R/W On This Sheet To Be As Shown. Limited Access Provisions To Apply Where Indicated.

B.M. 67 El. 862.98 Boat Spike S.W. Side 40" Oak 173' Lt. Sta. 531+86
B.M. 66 El. 852.29 Boat Spike N. Side 40" Oak 107' Rt. Sta. 541+98
B.M. 69 El. 858.14 Boat Spike N.E. Side 50" Wal. 95' Rt. Sta. 552+08

13 Guide Posts Type "A" Reqd. Lt. @ 64' Spacing
356 L.F. Paved Side Ditch Type "B" Reqd. Lt.
103 S.Y. Sodding Req'd. Lt.
221 S.Y. Sodding Req'd. Lt.
196 L.F. Paved S. Dit. Type "A" Req'd. Rt.
55 S.Y. Sodding Req'd. Rt.
57 S.Y. Sodding Req'd. Rt.
177 S.Y. Sodding Req'd. Rt.
13 Guide Posts Type "A" Req'd. Rt. @ 64' Spacing

Grade Special Center Ditch
Grade Special Ditch Rt.
Grade 3' Bottom Ditch Rt.
Grade 3' Bottom Ditch Lt.
Grade Special Ditch Lt.
Grade 3' Bottom Ditch Lt.
Grade 3' Bottom Ditch Rt.

Balance N° 6
Excavation 30,399
Fill + 20% 45,117
Borrow 14,718
Above Borrow To Be Obtained From Bal. N° 5

PROFILE
SURVEYED
PLOTTED
NOTE BOOK
No. 7811 L

DATE | BY
COMPUTED
GRADES CHECKED
R. W.'s NOTED
STRUCTURE NOTATIONS CHECKED

PLATE 1 - PLAN - PROFILE U. R. P. STANDARD

F PROJ	LINE	SHEET	FILE
870 (12)	A	10	

DEPARTMENT OF INDIANA

FED ROAD REG. NO	STATE	F PROJ NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
4	IND.	870(12)	1959	11	26

PLAN — SURVEYED ___ DATE ___ PLOTTED ___ BY ___ NOTE BOOK ___ PAGE ___ ASSIGNMENT CHECKED ___ No. 7893 T R.T. OF WAY CHECKED ___ STRUCTURE NOTATIONS CHECKED ___

PROFILE — SURVEYED ___ DATE ___ PLOTTED ___ BY ___ NOTE BOOK ___ GRADE CHECKED ___ No. 7811 L STRUCTURE NOTATIONS CHECKED ___

JOHN F. & LURA G. NEIDERMEYER

CHAS. A. PETTIGREW (Pasture)

Private Road Approach Class IV Reqd. On Rt. Opp. Sta. 3+29 "S-13A-A" W = 30'

TEMP R/W FOR BUILDING REMOVAL

STRUCTURE N° 55 42' Of 12" Class 5 Pipe With Headwalls Reqd.

STRUCTURE N° 54 Standard Inlet Type E-7 & 69' Of 12" Class I Pipe With Headwall Reqd. Construct Outlet Ditch.

SECTION 23 T 31N - R 10E Union Twp. WHITLEY CO.

ALVERL O. & WANDA A. PETTIGREW (Cultivated)

CURVE DATA
Δ = 35°40'
D = 10°
T = 184.3'
L = 356.7'
E = 28.9'

CHARLES A. PETTIGREW (Pasture)

STRUCTURE N° 62 Standard Inlet Type E-7 & 69' Of 12" Class I Pipe With Headwall Reqd. Construct Outlet Ditch.

Private Road Approach Class V Reqd. On Lt. Opp. Sta. 3+80 "S-13A-A" W = 34'

Drains 16 Ac. C=0.4 STRUCTURE N° 58 32' Of 30" Class 5 Pipe On 20° Skew With Hdwls. Reqd. Constr. Inlet & Outlet Ditches.

STRUCTURE N° 61 24" Pipe Catch Basin With 6'-12" V.C. Or Conc. Sewer Pipe Reqd. With Tee Conn. To Struct. N° 59

For Details Of Intersections At 571+75.6 & 4+60.99 "S-14-A" See Sheet N° 20

Public Road Crossover Required At Sta. 571+75.6

STRUCTURE N° 60 24" Pipe C.B. With 6'-12" V.C. Or Concrete Sewer Pipe Reqd With Tee Conn. To Structure N° 61

STRUCTURE N° 59 312' Of 24" R.C.,V.C.,C.I. Or Concrete Pipe Reqd Remove 312' Of 24" F.Tile In Place Connect To 24" F. Tile In Place.

STRUCTURE N° 56 Standard Inlet Type E-7 & 66' Of 12" Class I Pipe With Headwall Reqd. Construct Outlet Ditch.

Drains 13 Ac. C=0.4 STRUCTURE N° 57 150' Of 24" Class I Pipe On 20° Skew With Hdwls. Reqd. Construct Inlet And Outlet Ditches.

ULERICH, ROBERT + FULK, JOHN SOLD ON CONTRACT TO JOHN FULK (PARCEL 11)

STRUCTURE N° 63 136' Of 18"x11" B.C.C.M. Pipe Arch. With Hdwls. Reqd. Construct Inlet & Outlet Ditches.

Temp R/W For Peat Disposal (P.O.T. 571+75.6 (I.P.L.) = P.I. 6+000 LINE "S-14-A")

CLIFFORD G. REEHLING (Clover)

STRUCTURE N° 64 Standard Inlet Type E-7 & 81' Of 12" Class I Pipe On 30° Skew With Headwall Reqd. Construct Outlet Ditch.

GEORGE WOOD (Corn Stalks)

All R/W On This Sheet To Be As Shown. Limited Access Provisions To Apply Where Indicated. Access Will Be Permitted At The Following Locations:

Station	Private Class	Public Type
4+61 Rt. "S-14-A"		"D"
571+75.6 Rt.		"D"
571+75.6 Lt.		"B"
585+23 Rt.	V	
585+23 Lt.	V	

Drains 11 Ac. C=0.4 STRUCTURE N° 68 134' Of 24" B.C.C.M. Pipe With Headwalls Reqd. Constr. Inlet & Outlet Ditches.

Private Road Crossover Reqd. At Sta. 585+23

Private Road Approach Class V Reqd. On Left Opp. Station 585+23

ADELIA A. CULBERTSON (Corn)

STRUCTURE N° 65 Replace With 78' Of 6" Field Tile To Exist. Alignment & Grade. Conn. To Struc. N° 66 On Right.

STRUCTURE N° 66 250' Of 6" B.C.C.M. Pipe Reqd. Remove 250' Of 5" F. Tile In Place Connect To Structure N° 65 On Lt. & Structure N° 67 On Rt.

WOOD, JAY J. TRUSTEE

Private Road Approach Class V Reqd. On Right Opposite Sta. 585+23

STRUCTURE N° 67 Replace With 42' Of 6" Field Tile To Existing Alignment & Grade. Conn. To Str. N° 66 On Lt.

STRUCTURE N° 69 Standard Inlet Type E-7 & 69' Of 12" Class I Pipe With Headwall Reqd. Construct Outlet Ditch.

STRUCTURE N° 70 20' Of 12" B.C.C.M. Pipe With Headwalls Reqd.

STRUCTURE N° 71 33' Of 12" Class 5 Pipe With Headwalls Reqd.

STRUCTURE N° 72 21' Of 12" Class 5 Pipe With Headwalls Reqd.

FREDERICK BEECHING (Wheat)

Temp. R/W For Peat Disposal

SECTION 24 T 31 N - R 10 E Union Twp. WHITLEY CO.

P.O.T. 0+00.0

+92.18' T.F.P.
+78.15' Out. 12" C.G.M.P.
+78.15' Rt. Int. 12"C.G.M.P. 15° Out. Flos.
+79.12.5' 20° Conc. D.I. 15" F.T. Int.
+81.16.5' Rt. 20° Conc. D.I. 24" Int. From Lt. 24" Out. Flos. Rt.
+19.15' Out. 12" C.G.M.P.
+19.15' Rt. Int. 12" C.G.M.P.
+24.19' T.F.P.
+18.179' - Begin Limited Access And R/W Fence
+64.14' T.F.P.
+64.14' Rt. Pw.P.
+07.18' T.F.P.
+82.19' T.F.P.
+06.39' Rt. 8" Cherry
+06.50' Rt. 6" Cherry
+21.69' Rt. 14" Elm
+36.18' T.F.P.
+40.75' Rt. T.F.P.
+81.19' T.F.P.
+66.10' Rt. Pt. on Flare
+97.39' Rt. Pt. on Flare
+10.30' T.F.P.
+20.30' Pt. on Flare
+46.10' Rt. Pt. on Flare
+80.40' Pt. on Flare
+66.12' Int. 10" C.G.M.P.W.G. 12" Conc. Hdw.
+65.13' Rt. Out. 10" C.G.M.P. W.G. 12" Conc. Hdw.
+67.10' Pt. on Flare
+23.19' T.F.P.
+50.19' T.F.P.
+78.19' Rt. Pw.P.
+15.165' - Begin Limited Access And R/W Fence
End Work Sta. 9+00
+35.165' - End Limited Access And R/W Fence
B.M. Reqd. 110' Rt. Of Sta. 571+00
+76.60 Int. 12" C.G.M.P.(Removal)
+80.82 - 24" C.G.M.P.D.I. (Removal) with 24" F.T. Int. & Out. Flos Rt.
+95.21 Out. 12" C.G.M.P. (Removal)
+76.80' T.F.P.
+69.21 Rt. T.F.P.
+95.18' T.F.P.
+27.16' Pw.P.
+46.96 36" Elm
P.O.T. 571+75.6 (I.P.L.) = P.I. 6+000 LINE "S-14-A"
P.O.T. 0+00 (I.P.L.) LINE "S-14-A"
P.O.T. 4+75.0 (I.P.L.) = P.O.T. 11+00.0 LINE "S-13-A" LINE "S-14-A"
P.O.T. 12+00.0 (I.P.L.) LINE "S-14-A"
P.O.T. 585+29.9 (I.P.L.)
P.O.T. 587+24.0 (I.P.L.)
P.O.T. 558+49.0 (I.P.L.)
P.O.T. 0+00 (I.P.L.) LINE "S-13-A"
P.C. 3+11.7 (I.P.L.) LINE "S-13-A"
P.I. 4+96.0 (I.P.L.) LINE "S-13-A"
P.T. 6+68.4 (I.P.B.) LINE "S-13-A"

B.M. 70 Elev. 843.88 Boat Spike N.Side 46" Elm 98" Rt Sta. 567+50
B.M. 71 Elev. 848.24 Boat Spike N.E. Side 14" Elm 123" Rt Sta. 571+07
B.M. 72 Elev. 839.59 X-Cut S.E. Side Conc. Base of Steel Gd. Post 102' Lt. Sta. 585+35
B.M. 73 Elev. 851.14 Boat Spike N.Side 18" W.Ghy (in Root) 110 Rt. Sta. 589+57

Grade 3' Bottom Ditch Lt.
Grade 3' Bottom Ditch Rt.
Grade Special Center Ditch
Grade Special Ditch Lt.
Grade Special Ditch Rt.
Peat Profile 100' Lt.
Peat Profile 75' Rt.
Peat Profile 75' Lt.
Peat Profile ℄

Balance N° 7
Excavation 11,122 C.Y.
Fill + 20% 11,122 C.Y.

Balance N° 8
Excavation 12,717 C.Y.
Peat Excav. 5,876 C.Y.
Fill + 20% 17,217 C.Y.
Peat Backfill + 5% 9,454 C.Y.
Borrow 4,467 C.Y.
Special Borrow 33 C.Y.
Grade "B" Spec. Bor. 9,454 C.Y.
Above Borrow To Be Obtained From Balance N° 10

PLATE 1 - PLAN - PROFILE U. S. R. R. STANDARD
INDIANAPOLIS BLUE PRINT AND LITHOGRAPH COMPANY

F. PROJ	LINE	SHEET	FILE
870(12)	A	11	

STATE HIGHWAY
DEPARTMENT OF INDIANA

FED ROAD REG. NO	STATE	F PROJ. NO.	FISCAL YEAR	SHEET NO	TOTAL SHEETS
4	IND	870(12)	1959	12	26

PLAN — SURVEYED, PLOTTED, NOTE BOOK, GRADES CHECKED, R/W PLOTTED, No. 7893 T, ALIGNMENT CHECKED, R/W OK'D, R. OF WAY CHECKED, STRUCTURE NOTATIONS CHECKED, DATE, BY

ADELIA A. CULBERTSON (Corn)

Drains 29 Ac. C=0.3
STRUCTURE N° 74
140' OF 36"x 22" B.C.C.M. Pipe Arch With Headwalls Req'd.
Constr. Inlet & Outlet Ditches.

Note: Approx. Depth of Muck - 6' to 12'

Note: 35 Trees 8" & Larger Within Const. Limits from Sta. 598+58 To 602

ROBT. E. STRACK

Note: 12 Trees Within Const. Limits from Sta. 602 To 605+80

Note: 14 Trees 12" & Larger from Sta. 605+80 to Sta. 608

STRUCTURE N° 78
Replace In Kind 96' OF 8" Field Tile To Existing Alignment & Grade. Conn. To Structure N° 79 On Right.

+78.56' 20" W. Chy.
+86.16' 24" W. Chy.

Drains 25 Ac. C=0.4
STRUCTURE N° 77
144' OF 30" B.C.C.M. Pipe With Headwalls Req'd.
Constr. Inlet & Outlet Ditch.

SECTION 24
T 31 N - R 10 E
Union Twp.
WHITLEY CO.

(Pasture)

STRUCTURE N° 75
Standard Inlet Type E-7 & 66' OF 12" Class 1 Pipe With Headwall Req'd. Construct Outlet Ditch.

STRUCTURE N° 81
Standard Inlet Type E-7 & 69' Of 12" Class 1 Pipe With Headwall Req'd. Construct Outlet Ditch.

(Water Stands No Outlet Willow Thicket)

STRUCTURE N° 74
Standard Inlet Type E-7 & 69' Of 12" Class 1 Pipe With Headwall Req'd. Construct Outlet Ditch.

(Barn Lot)

(Brush & Weeds)

(Woods & Pasture)

(Muck)

(Pasture & Thorn Bushes)

(Pasture)

(Woods)

(Corn)

(Wheat)

(Weeds)

(Pasture)

(Pasture)

STRUCTURE N° 76
Standard Inlet Type E-7 & 69' Of 12" Class 1 Pipe With Headwall Req'd. Construct Outlet Ditch

STRUCTURE N° 79
196' Of 8" B.C.C.M. Pipe Req'd. Remove 196' Of 8" F. Tile In Place Connect To Str. N° 78 On Lt. & Str. N° 80 On Right.

STRUCTURE N° 80
Replace In Kind 93' Of 8" F. Tile To Exist. Alignment & Grade. Connect To Structure N° 79 On Left.

FREDERICK ~~FREDRICK~~ BEECHING

FORREST S. & GRACE E. WRIGHT

RALPH E. & ARNEDA G. LOPSHIRE

Note: 46 Trees 8" & Above Within Const. Limits from Sta. 616+25 To Sta. 620

+95.52' 12" Apple

P.C. 590+74.9 (I.P.B.)

P.I. 600+42.1 (I.P.L.)

P.O.S.T. P.I. + 639.3' (I. P. L.) & O.P.O.S.T. 0.5' Lt. (I. P. L.)

P.T. 610+08.2 (P.I.L.)

P.O.T. 615+71.9 (I.P.B.) & O.P.O.T. 0.5' Lt. (I.P.B.)

CURVE DATA
Δ = 4° 50' Rt.
D = 0° 15'
E = 20' 40"
T = 967.2'
L = 1933.3'

All R/W On This Sheet To Be As Shown. Limited Access Provisions To Apply Where Indicated

SECTION 24
T 31 N - R 10 E
Union Twp.
WHITLEY CO.

B.M. 73	El. 851.14	Boat Spike	N. Side 18" W Chy (in root) 110' Rt.	Sta. 589 + 57
B.M. 74	El. 838.39	Boat Spike	N. Side 14" Oak 122' Lt.	Sta. 597 + 64
B.M. 75	El. 843.66	Boat Spike	N.W. Side 28" Elm (in root) 94' Rt.	Sta. 605 + 73
B.M. 76	El. 866.78	Boat Spike	N. Side 30" Oak 242" Rt.	Sta. 616 + 66

Grade Special Center Ditch
Grade Special Ditch Lt.
Grade Special Ditch Rt. Slope
Grade 3' Bottom Ditch Lt.
Grade 3' Bottom Ditch Rt.
Grade Special Ditch Rt.
Peat Profile 75' Lt.
Peat Profile ℄
Peat Profile 75' Rt.

Balance N° 9

Excavation	6,395 C.Y.
Peat Excav.	40,717 C.Y.
Fill + 20%	29,447 C.Y.
Peat Backfill + 5%	73,561 C.Y.
Borrow	23,052 C.Y.
Grade "B" Spec. Bor.	73,561 C.Y.

Above Borrow To Be Obtained From Balance N° 10

Balance N° 10

Excavation	66,024 C.Y.
Peat Excav.	4,886 C.Y.
Fill + 20%	27,031 C.Y.
Peat Backfill + 5%	8,101 C.Y.
Grade "B" Spec. Bor.	8,101 C.Y.
Overhaul	58,393 C.Y.
Added Haul	4,467 C.Y.

4,467 C.Y. Of Above Overhl. To Be Used In Bal N° 8
23,052 C.Y. Of Above Overhl. To Be Used In Bal N° 9
11,474 C.Y. Of Above Overhl. To Be Used In Bal N° 11

PROFILE — SURVEYED, PLOTTED, NOTE BOOK, GRADES CHECKED, R/W PLOTTED, No. 7811 L, STRUCTURE NOTATIONS CHECKED, DATE, BY

PLATE 1 - PLAN - PROFILE B. F. R. STANDARD
INDIANAPOLIS BLUE PRINT AND LITHOGRAPH COMPANY

F. PROJ	LINE	SHEET	FILE
870(12)	A	12	

DEPARTMENT OF INDIANA

FED. ROAD REG. NO	STATE	F PROJ. NO.	FISCAL YEAR	SHEET NO	TOTAL SHEETS
4	IND.	870(12)	1959	13	26

PLAN — SURVEYED — PLOTTED — NOTE BOOK — ALIGNMENT CHECKED — No. 761 L T — R/W & RT. OF WAY CHECKED

Public Road Crossover Reqd. At Sta. 619+35.0

SECTION 24
T31N - R10E
Union Twp.
WHITLEY CO.

ROBT. E. STRACK
(Pasture)

For Detail Of Intersection At Sta 619+35.0 See Sheet No ~~47~~

Drains 9 Ac. C=0.4
STRUCTURE No. 83
63' Of 18" Class 5 Pipe With Headwalls Reqd.
Constr. Inlet & Outlet Ditches.

625+30,161' - End Limited Access & R/W Fence

619+64,157' Begin Limited Access & R/W Fence

87' L.A.R/W & Access Control Line

100' L.A. R/W & Access Control Line

STRUCTURE No. 82
Standard Inlet Type E-7 & 69' Of 12" Class 1 Pipe With Headwall Reqd.
Conetruct Outlet Ditch.

625+54,167' - End Limited Access & R/W Fence

Note:
46 Trees 8" And Above Within Constr. Limits From Sta. 616+25 To Sta. 620

Drains 15 Ac. C=0.3
STRUCTURE No. 84
54' Of 24" Class 5 Pipe With Headwalls Reqd.
Constr. Inlet & Outlet Ditches.

RALPH E. & ARNEDA G. LOPSHIRE

Public Road Approach Class 'A' Reqd. On Left Opp. Sta. 619+35.0

Begin Work Sta. 2+00

STRUCTURE No. 85
21' Of 12" Class 5 Pipe With Headwalls Required.

End Work Sta. 8+61

Temp. R/W For Peat Disposal

+31,12' 12" C.G.M.P. Out.
+31.09 Rt. 12" C.G.M.P. In.
+34.25' Rt. 36" Wal.
+70.16' 14" Hick.

+16,20' Rt. 30" Oak

+76,15' T.F.P.

+45,25' 14" Oak
+65,25' Rt. 30" Ash

+80,21' Rt. 12" Oak
+90,20' Rt. 12" Twin Hick.

+55,15' T.F.P.

+82,16' 12" C.G.M.P. Out. Remove
+84.11' Rt. 12" C.G.M.P. In.
+52,16' T.F.P.

+13,16' 12" Hick.

+35,17' T.F.P.

Drains 24 Ac. C=0.3
STRUCTURE No. 87
134' Of 30" B.C.C.M. Pipe With Headwalls Reqd.
Constr. Inlet & Outlet Ditches.

Reverse Road Approach Class 'A' Reqd. On Left Opp. Sta. 8+46 "S-15-A"

SECTION 19
T31N - R11E
Lake Twp.
ALLEN CO.

STRUCTURE No. 86
Standard Inlet Type E-7 & 69' Of 12" Class 1 Pipe With Headwall Reqd.
Construct Outlet Ditch.

H. H. MESSMAN
(Weeds & Brush)

Drains 215 Ac. C=0.2
STRUCTURE No. 89
162' Of 58" x 36" B.C.C.M. Pipe Arch With Pipe Anchors Reqd.
Constr. Inlet & Outlet Ditches.

Temporary R/W For Peat Disposal

FLOYD RUCHMAN

(Thick Woods)
Mostly 6" To 14" Maples & A Few Elms

(Wheat)

(Muck)

(Few Trees)

100' L.A. R/W & Access Control Line

(Weeds & Brush Muck)

JAMES ROACH
(Thick Woods)
Mostly 6" To 14" Hickory & Oaks

STRUCTURE No. 88
Standard Inlet Type E-7 & 69' Of 12" Class 1 Pipe With Headwall Reqd.
Construct Outlet Ditch.

(Weeds)

STRUCTURE No. 90
Standard Inlet Type E-7 & 69' Of 12" Class 1 Pipe With Headwall Reqd.
Construct Outlet Ditch.

LANDLOCKED
No Access Provided

JAMES ROACH
(Meadow)

STRUCTURE No. 91
Standard Inlet Type E-7 & 69' Of 12" Class 1 Pipe With Headwall Reqd.
Construct Outlet Ditch.

(Woods)
Mostly 6" To 14" Hickory & Oaks

(Approx. End Of Muck)

100' L.A. R/W & Access Control Line

L.A. R/W & Access Control Line

All R/W On This Sheet To Be As Shown.
Limited Access Provisions To Apply Where Indicated. Access Will Be Permitted At The Following Locations:

Station	Public Type
625+81.7 Lt.	"B"
625+81.7 Rt.	"B"

P.O.T. 621+54.9 (I.P.L.) & O.P.O.T. 0.5' Lt. (I.P.L.)
P.O.T. 621+71.9 (I.P.L.) & O.P.O.T. 0.5' Lt. (I.P.L.)
P.O.T. 0+00.0 (I.P.L.) LINE "S-15-A"
P.O.T. 619+35.0 LINE "A" (Ahead) = P.O.T. 5+00.0 LINE "S-15-A"
P.O.T. 625+81.7 (I.P.L.) LINE "A" (Back)
P.O.T. 10+00.0 (I.P.F.) LINE "S-15-A"
P.O.T. 624+70.9 (I.P.L.)
P.O.T. 627+41.7 (Nail In Stump)
P.O.T. 631+87.2 (Nail In Stump)
P.O.T. 637+01.7 (I.P.L.)
P.C. 639+92.4 (I.P.L.)
P.O.S.T. 642+24.9 (I.P.F.)

DATE	BY

PROFILE — SURVEYED — PLOTTED — NOTE BOOK — CROSS SECTIONS CHECKED — No. 761 L T — QUANTITIES & M.'s NOTED — STRUCTURE NOTATIONS CHECKED

B.M. 77 El. 846.31 Boat Spike S. Side 10" Hick 196' Lt. Sta 626 + 70 Line A back
B.M. 77 El. 846.44 Boat Spike S. Side 10" Hick 196' Lt. Sta 619 + 70 Line A ahead
Perm. 0 El. 844.49 Boat Spike in stump ℄ Sta 625 + 73 Line A
B.M. 78 El. 840.49 Boat Spike 20" Elm 128' Lt. Sta 630 + 45
B.M. 79 El. 840.24 Boat Spike 10" Maple 118' Lt. Sta 636 + 45
B.M. 80 El. 855.22 Boat Spike 10" Oak tree 12" Lt. Sta 639 + 80

94 S.Y. Sodding Reqd. Lt.
325 L.F. Paved S. Ditch Type "B" Reqd. Lt.
12 Guide Posts Type "A" Reqd. Lt. @ 64' Spacing
12 Guide Posts Type "A" Reqd. Rt. @ 64' Spacing
1152 L.F. of Std. Guard Rail Reqd. Lt.
1168 L.F. of Std. Guard Rail Reqd. Rt.
Grade Special Center Ditch
Grade 3' Bottom Ditch Rt.
Grade Special Ditch Lt.
Grade Special Ditch Rt.
Grade 3' Bottom Ditch Lt.
Peat Profile 75' Rt.
Peat Profile ℄
Peat Profile 75' Lt.
185 L.F. Pvd. S. Ditch Type "A" Reqd. Rt.
52 S.Y. Sodding Reqd. Rt.
114 S.Y. Sodding Reqd. Rt.
101 S.Y. Sodding Reqd. Lt.
78 S.Y. Sodding Reqd. Rt.
98 S.Y. Sodding Reqd. Lt.
45 S.Y. Sodding Reqd. Rt.
162 L.F. P.S. Ditch Type "A" Reqd. Rt.
1 Guide Post Type "A" Reqd. Lt.
1 Guide Post Type "A" Reqd. Rt.
Grade 3' Bottom Ditches Lt. & Rt.

Balance No. 11	
Excavation	8,167 C.Y.
Peat Excav.	55,248 C.Y.
Fill + 20%	51,023 C.Y.
Peat Backfill + 5%	169,266 C.Y.
Borrow	47,862 C.Y.
Grade "B" Spec. Bor.	169,266 C.Y.

11,474 C.Y. Of Above Borrow To Be Obtained From Bal. #10; 16,070 C.Y. Of Above Borrow To Be Obtained From Balance #12; 13,518 C.Y. Of Above Borrow To Be Obtained From Bal. #13.

PLATE 1 - PLAN - PROFILE B. R. R. STANDARD
INDIANAPOLIS BLUE PRINT AND LITHOGRAPH COMPANY

F PROJ	LINE	SHEET	FILE
870(12)	A	13	

DEPARTMENT OF INDIANA

FED. ROAD PROJ. NO	STATE	PROJ. NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
4	IND.	F 870(12)	1959	14	26

645 650 655 660 665 670

FLOYD RUCHMAN

(Woods)
Mostly 6" to 14"
Hickory & Oaks

CURVE DATA
Δ = 3°48' Lt.
D = 0°20'
E = 9.45'
T = 570.2'
L = 1140.0'

FELGER, FOREST C. ET AL.
~~JOHN FELGER~~

SECTION 19
T 31 N - R 11 E
Lake Twp.
ALLEN CO.

SECTION 20
T 31 N - R 11 E
Lake Twp.
ALLEN CO.

LOUIS FICK
(Clover)

(Bean Stubble)

(Clover)

(Corn Stubble)

(Muck)

(Corn)

(Meadow)

JAMES ROACH

CHARLES CLIFFORD

HENRY KRAUSKOPL

(Corn)

(Clover)

(Corn)

Temp. R/W For Peat Disposal

87' L.A. R/W & Access Control Line

L.A. R/W & Access Control Line

F.F.T. Fence

Construction Limits

LINE "A"

P.O.S.T. 642+24.9

S 86° 49' E

P.I. 645+62.6

P.T. 651+32.4

P.O.T. 658+96.8

P.O.T. 672+23.4

N 89° 23' E

STRUCTURE N° 93
Standard Inlet Type F-7 Req'd.
Connects To Structure N° 92

STRUCTURE N° 96
Standard Inlet Type E-7
& 69' Of 12" Class I Pipe
With Headwall Req'd.
Construct Outlet Ditch.

STRUCTURE N° 98
Standard Inlet Type F-7 Req'd.
Connects To Structure N° 97

STRUCTURE N° 97
147' Of 15" Class I Pipe On
20° Skew With Headwalls Req'd.
Construct Inlet & Outlet Ditches.

STRUCTURE N° 99
Standard Inlet Type E-7
& 69' Of 12" Class I Pipe
With Headwall Req'd.
Construct Outlet Ditch.

STRUCTURE N° 94
320' Of 12" B.C.C.M. Pipe Req'd.
Remove 325' Of 12" F. Tile In Place,
Connect To 12" F. Tile In Place On Lt.
& To Str. N° 95 On Right.

STRUCTURE N° 95
Replace In Kind 495' Of
12" F. Tile To Existing
Alignment & Grade. Conn.
To "Str. N° 94 On Left.

Drains 20 Ac. C=0.3
STRUCTURE N° 92
152' Of 24" B.C.C.M. Pipe On
20° Skew With Headwalls Req'd.
Construct Inlet & Outlet Ditchee.

LANDLOCKED
No Access Provided

LANDLOCKED
No Access Provided

EASEMENT FOR
INGRESS AND EGRESS

+93.125 Conc. Post 1/4 Sec. Cor.

All R/W On This Sheet To Be As Shown.
Limited Access Provisions To Apply Where
Indicated.

14" Hick 55.8 28.4 35.2 10" Hick 12" Hick

24" Ash 25.0 25.8 14.35 4" Trip. App. 4" Oak

+93.06 16" Walnut

B.M. 81 El. 857.38 Boat Spike 14" Hick 79' Lt. Sta. 645 + 39
B.M. 82 El. 850.31 Boat Spike 16" Walnut tree 103' Rt. Sta. 653 + 90
B.M. 83 El. 865.70 Boat Spike Fence Post 105' Rt. Sta. 658 + 92

12 Guide Posts Type "A" Req'd. Lt. @ 64' Spacing

For Sadding Req'd. Lt. See Preceding Sheet

163 S.Y. Sadding Req'd. Lt.

129 S.Y. Sadding Req'd. Lt.

221 S.Y. Sadding Req'd. Rt.

14 Guide Posts Type "A" Req'd. Rt. @ 64' Spacing

For Sadding Req'd. Rt. See Following Sheet

Grade Special Center Ditch

Grade 3' Bottom Ditch Lt.

Grade 3' Bottom Ditch Rt.

Peat Profile Lt.

Peat Profile 75' Lt.

Peat Profile 75' Rt.

+0.30%

-2.47% Lt.

-1.72% Lt.

+1.663% Rt.

+0.300% Rt.

+2.38%

+1.734% Lt.

-2.50% Lt.

+2.36% Rt.

Balance N° 12

Excavation	45,635 C.Y.
Peat Excav.	15,474 C.Y.
Fill + 20%	27,565 C.Y.
Peat Backfill + 5%	32,765 C.Y.
Grade "B" Spec. Bor.	32,765 C.Y.
Overhaul	18,070 C.Y.

Above Overhaul To Be Used In Balance N° 11

Balance N° 13

Excavation	38,196 C.Y.
Fill + 20%	14,904 C.Y.
Overhaul	23,292 C.Y.
Added Haul	8,985 C.Y.

13,318 C.Y. Of Above Overhaul To Be Used In Bal. N° 11
9,974 C.Y. Of Above Overhaul To Be Used In Bal. N° 14

PLAN — SURVEYED — PLOTTED — NOTE BOOK — GRADES CHECKED — No. 78/3 L — R. W.'S NOTED — STRUCTURE LOCATIONS CHECKED — BY — DATE

PROFILE — SURVEYED — PLOTTED — NOTE BOOK — GRADES CHECKED — No. 78/3 L — R. W.'S NOTED — STRUCTURE LOCATIONS CHECKED — BY — DATE

PLATE 1 - PLAN - PROFILE B. R. E. STANDARD

F PROJ	LINE	SHEET	FILE

STATE HIGHWAY
DEPARTMENT OF INDIANA

FED ROAD REG. NO	STATE	PROJ NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
4	IND.	F 870(12)	1959	15	26

PLAN — SURVEYED — PLOTTED — NOTE BOOK — No. 7812 — CROSS CHECKED — RT. OF WAY CHECKED — BY — DATE

PROFILE — SURVEYED — PLOTTED — NOTE BOOK — No. 7819 — GRADES CHECKED — R. R.'s NOTED — STRUCTURE NOTATIONS CHECKED — BY — DATE

Public Road Crossover Required At Sta. 685+69.9

For Detail Of Intersection At Sta. 685+69.9 See Sheet N° ~~--~~

SECTION 20
T 31 N - R 11 E
Lake Twp.
ALLEN CO.

LOUIS FICK
(Corn)

STRUCTURE N° 100
138' Of 18" B.C.C.M. Pipe
With Headwalls Req'd.
Constr. Inlet & Outlet Ditches.

STRUCTURE N° 101
Standard Inlet Type E-7
& 66' Of 12" Class I Pipe
With Headwall Req'd.
Construct Outlet Ditch.

(Corn) (Clover) F.Div. F.Div.

F.F.T. Fence — 87' L.A. R/W & Access Control Line

LINE "A"
N 89° 23' E

P.O.T. 672+23.4

P.O.T. 679+92.9

Construction Limits — Approx. ℄

L.A. R/W & Access Control Line

STRUCTURE N° 99
Standard Inlet Type E-7
& 69' Of 12" Class I Pipe
With Headwall Req'd.
Construct Outlet Ditch.

~~JOHN~~ ~~FELGER~~
(Corn)
FELGER, FOREST ET AL.

(Weeds)

(Corn) HENRY KRAUSKOPF

~~Private~~ Road Approach
Class V Req'd. Right
Opp. Sta. 6+80 "S-16-A"

(Alfalfa)

All R/W On This Sheet To Be As Shown.
Limited Access Provisions To Apply Where Indicated Access Will Be Permitted At The Following Locations :

Station	Public Type
685+69.9 Lt.	"B"
685+69.9 Rt.	"B"

P.O.T. 0+00.0

(Bean Stubble)

~~Private~~ Road Approach
Class V Req'd. Left
Opp. Sta. 3+20 "S-16-A"

Begin Work Sta. 3+00

STRUCTURE N° 102
Standard Inlet Type E-7
& 63' Of 12" Class I Pipe
With Headwall Req'd.
Construct Outlet Ditch.

FRANK BUTTS
(Wheat)

+26,164 - End Limited Access & R/W Fence

+08,166' - Begin Limited Access & R/W Fence

P.O.T. 685+69.9 = P.O.T. 5+00.0 LINE "S-16-A"

+13,164' - Begin Limited Access & R/W Fence

+33,166' - End Limited Access & R/W Fence

End Work Sta. 7+33

~~Private~~ Road Approach
Class V Req'd. Left
Opp. Sta. 6+80 "S-16-A"

FRANK BUTTS
(Woods & Pasture)

SECTION 20
T 31 N - R 11 E
Lake Twp.
ALLEN CO.

Note: Mosty 4" To 14" Oak & Hickory

FRANK WESSELS

STRUCTURE N° 103
Standard Inlet Type E-7
& 63' Of 12" Class I Pipe
With Headwall Req'd.
Construct Outlet Ditch.

(Woods)

F.F.T. Fence — L.A. R/W & Access Control Line — LINE "A" N 89° 23' E — Constr. Limits

P.O.T. 698+77.9

106' Landlocked No Access Provided

SOLON, LILLIAN E. ET AL.

~~MICHAEL SOLON~~
(Weeds & Brush)

P.O.T. 672+23.4 (I.P.B.)(N.R.A.)

P.O.T. 679+92.9 (I.P.B.)(N.R.A.)

P.O.T. 685+69.9 (I.P.F.) = P.O.T. 5+00.0 LINE "S-16-A"

P.O.T. 0+00.0 (I.P.F.) LINE "S-16-A"

P.O.T. 10+00.0 (I.P.L.) LINE "S-16-A"

P.O.T. 698+77.9 (I.P.L.)

B.M. 84 El. 861.82 Boat Spike 10" Walnut Tree 35' Rt. Sta. 672 + 29
B.M. 85 El. 859.27 Boat Spike 10" Maple 131' Lt. Sta. 689 + 72
Perm. 0 El. 859.03 Boat Spike Ttp 148" Rt. Sta. 643 + 72
B.M. 86 El. 854.72 Boat Spike 8" Oak 100' Rt. Sta. 699 + 15

Grade Special Center Ditch
Grade 3' Bottom Ditch Rt.
Grade 3' Bottom Ditch Lt.
102 S.Y. Sodding Reqd. Rt.
Balance N° 14
Excavation 9,610 C.Y.
Fill + 20% 23,817 C.Y.
Borrow 14,307 C.Y.
9,974 C.Y. Of Above Borrow To Be Obtained From Bal. N° 13
4,333 C.Y. Of Above Borrow To Be Obtained From Bal. N° 15
3 Guide Posts Type "A" Reqd Lt. @ 64' Spacing
160 L.F.P.S. Ditch Type "A" Reqd Rt.
45 S.Y. Sodding Reqd. Rt.
3 Guide Posts Type "A" Reqd. Rt. @ 64' Spacing

PLATE 1 - PLAN - PROFILE B. R. R. STANDARD

STATE HIGHWAY
DEPARTMENT OF INDIANA

FED ROAD REQ. NO	STATE	PROJ NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
4	IND.	870(12)	1959	16	26

SECTION 20
T31N - R11E
Lake Twp.
ALLEN CO.

FRANK WESSELS
(Corn)

SECTION 21
T31N - R11E
Lake Twp.
ALLEN CO.

PAUL TRAHIN
(Woods)

Note:
Mostly 6" To 18"
Oak & Hickory

(Woods)
Note:
Mostly 4" To 14"
Oak & Hickory

Public Road Crossover
Required At Sta. 725+30.7

For Detail Of Intersection At Sta. 725+30.7
See Sheet No. ~~27~~

~~JOHN TRAHIN~~
(Pasture)

TRAHIN, CARRIE + TRAHIN, CLIFFORD J.

Drains 5.9 Ac. C=0.3
STRUCTURE N° 108
168' Of 15" B.C.C.M. Pipe On
30° Skew With Headwls. Req'd.
Constr. Inlet & Outlet Ditches.

Drains 24 Ac. C=0.3
STRUCTURE N° 110
154' Of 30" B.C.C.M. Pipe
With Headwalls Req'd.
Constr. Inlet & Outlet Ditches.

Drains 27 Ac. C=0.3
STRUCTURE N° 113
142' Of 30" Class I Pipe On
15° Skew. With Headwalls Req'd.
Constr. Inlet & Outlet Ditches.

STRUCTURE N° 106
444' Of 6" B.C.C.M. Pipe Req'd.
Remove 444' Of 6" F. Tile In Place.
Connect To 6" F. Tile In Place On Lt.
& To Str. N° 107 On Rt.

STRUCTURE N° 104
Standard Inlet Type E-7
& 68' Of 12" Class I Pipe
With Headwall Req'd.
Construct Outlet Ditch.

STRUCTURE N° 105
Standard Inlet Type E-7
& 69' Of 12" Class I Pipe
With Headwall Req'd.
Construct Outlet Ditch.

STRUCTURE N° 107
Replace In Kind 76' Of
6" Field Tile To Exist.
Alignment & Grade. Conn.
To Str. N° 106 On Lt.

STRUCTURE N° 111
Replace In Kind 111' Of
10" Field Tile To Exist.
Alignment & Grade.

STRUCTURE N° 109
Standard Inlet Type E-7
& 69' Of 12" Class I Pipe
With Headwall Req'd.
Construct Outlet Ditch.

STRUCTURE N° 112
225' Of 8" Concrete Or V.C.
Sewer Pipe Req'd. Remove 350'
Of 6" & 8" F. Tile In Place. Connect
To 6" F.T. On Rt. & 8" F.T. On Lt.

SOLON, LILLIAN E. ET AL.

~~MICHAEL SOLON~~
(Weeds & Brush)

~~MICHAEL SOLON~~
(Corn)

SOLON, LILLIAN E. ET AL.

~~AUGUST BOAEAF~~
(Weeds)

HEIDRICH, JULIAN ET UX.

(Weeds)

(Wheat)

(Muck)

(Pond)

L.A. R/W & Access Control Line
F.F.T. Fence
Construction Limits
Temp. R/W For Peat Disposal
Line "A"
N 89° 23' E
P.O.T. 705+80.9
P.O.T. 716+24.3
P.O.T. 719+72.2
P.O.T. 725+30.7
P.O.T. 0+00.0 "S-17-A"
P.O.T. 3+00.0 "S-17-A"
P.O.T. 6+00.0 "S-17-A"
Begin Work Sta. 0+35
End Work Sta. 5+50
SOLD ON CONTRACT TO CLIFFORD A. TRAHIN (Parcel 31)
Light Draw
Remove
Deep
Sec. Line
F. Div.
Str. Line
+92,166' - End Limited Access & R/W Fence
+72,164' Begin Limited Access & R/W Fence
+89,164' - End Limited Access & R/W Fence
+89,166'-Begin Limited Access & R/W Fence
+88,16' Lt. 12" C.G.M.P. Out
+88,16' 12" C.G.M.P. In (Remove)
+01,104' ¼ Sec. Cor. No Stone
+30,96' Staff Tile Exposed
Temp. R/W For Peat Disposal
Peat Disposal
Peat Profile ℄
Peat Profile 75' Rt.
Peat Profile 75' Lt.
Grade 3' Bottom Ditch Rt.
Grade 3' Bottom Ditch Lt.
Grade Special Center Ditch
6" F.F.T. 1' Deep
87' L.A. R/W & Access Control Line
Control Line
Access Control Line

All R/W On This Sheet To Be As Shown.
Limited Access Provisions To Apply Where
Indicated. Access Will Be Permitted At
The Following Locations :

Station	Public Type
725+30.7 Lt.	"B"
725+30.7 Rt.	"B"

P.O.T. 705+80.9 (I.P.L.)
P.O.T. 716+24.3 (I.P.L.) & O.P.O.T. 20' Lt.
P.O.T. 719+72.2 (I.P.L.) N.R. & O.P.O.T. 20' Lt.
P.O.T. 0+00.0 (I.P.F.) LINE "S-17-A"
P.O.T. 725+30.7 (I.P.F.) = P.O.T. 3+00.0 "S-17-A"
P.O.T. 6+00.0 (I.P.L.) LINE "S-17-A"

B.M. 87 El. 858.18 Boat Spike 10" Elm 123' Rt. Sta. 708 + 30
B.M. 88 El. 850.49 Boat Spike 15" Hick. 125' Lt. Sta. 715 + 48
B.M. 89 El. 857.88 Boat Spike 18" Hick. 195' Lt. Sta. 724 + 05
B.M. 90 El. 850.46 Boat Spike 4" Elm 135' Rt. Sta. 732 + 60

Balance N° 15

Excavation	43,535 C.Y.
Peat Excav.	12,533 C.Y.
Fill + 20%	18,808 C.Y.
Peat Backfill + 5%	15,504 C.Y.
Grade "B" Spec. Bor.	15,504 C.Y.
Overhaul	24,727 C.Y.

4,353 C.Y. Of Above Overhaul To Be Used In Balance N° 14
20,394 C.Y. Of Above Overhaul To Be Used In Balance N° 16

Balance N° 16

Excavation	4,457 C.Y.
Fill + 20%	24,851 C.Y.
Borrow	20,394 C.Y.

Above Borrow To Be Obtained From Balance N° 15

4 Guide Posts Type "A" Req'd. Lt. @ 64' Spacing
5 Guide Posts Type "A" Req'd. Lt. @ 64' Spacing
3 Guide Posts Type "A" Req'd. Rt @ 64' Spacing
126 S.Y. Sodding Req'd. Lt.
95 S.Y. Sodding Req'd. Rt.
142 S.Y. Sodding Req'd. Rt.
See Following Sheet For Guide Posts Req'd. Rt.

PLAN — SURVEYED — PLOTTED — GRADES CHECKED — R/W MONUMENTS CHECKED — RT. OF WAY CHECKED — NOTE BOOK No. 781 2.1 — BY — DATE

PROFILE — STRUCTURE NOTATIONS CHECKED — NOTE BOOK No. 781 2.1 — BY — DATE

PLATE 1 - PLAN - PROFILE B. R. R. STANDARD
INDIANAPOLIS BLUE PRINT AND LITHOGRAPH COMPANY

F PROJ	LINE	SHEET	FILE
870(12)	A	16	

STATE HIGHWAY
DEPARTMENT OF INDIANA

FED. ROAD REG. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	870(18)	1959	17	26

For Detail Of Line "S-1-5-18-A" See Sheet No. 25

SECTION 21
T 31 N - R 11 E
Lake Twp.
ALLEN CO.

TRAHIN, CARRIE + TRAHIN, CLIFFORD J.

~~JOHN TRAHIN~~

SOLD ON CONTRACT TO CLIFFORD J. TRAHIN (PARCEL 31)

(Pasture)

STRUCTURE N° 112
See Preceding Sheet.

STRUCTURE N° 113
See Preceding Sheet.

STRUCTURE N° 114
Standard Inlet Type E-7
& 66' Of 12" Class 1 Pipe
With Headwall Req'd.
Construct Outlet Ditch.

STRUCTURE N° 115
492' Of 24" R.C., V.C., C.I., Or Concrete Pipe, 1-24" x 8" Tee, 1-24" x 15" Tee, 2-24" x 10" Tees, 1-24" x 24" Tee, 1-24" To 6" Reducer With Hdwl. Req'd. Remove 20' Of 8", 20' Of 15", 40' Of 10" F. Tiles & Concrete Hdwl. In Place, Connect To Existing In Place 8", 10", 15" F. Tiles On Left & Construct Headwall In Combination With Pipe Anchor Of Structure N° 117 On Right.

STRUCTURE N° 116
207' Of 6" Drain Tile, 1-45° Bend Req'd.
Remove 280' Of 6" F. Tile In Place.
Connect To 6" F. Tile In Place On Left And To Structure N° 115

~~JOHN TRAHIN~~

(Corn)

DEWEY ROBERTS

(Wheat)

(Weeds)

(Clover)

Temp. R/W For Constr. Of Drain Tile

87' L.A. R/W & Access Control Line

F.F.T. Fence

Construction Limits

Approx. Lac 6" F.T.

Approx. ℄ Z

STRUCTURE N° 118
Standard Inlet Type E-7
& 78' Of 12" Class 1 Pipe
With Headwall Req'd.
Construct Outlet Ditch.

Drains 150 Ac. C=0.2
STRUCTURE N° 117
160' Of 42" Class 1 Pipe
With Pipe Anchors Req'd.
Constr. Inlet & Outlet Ditches.

DANIEL SCHNEIDER

(Pasture)

STRUCTURE N° 119
Standard Inlet Type E-7
& 69' Of 12" Class 1 Pipe
With Headwall Req'd.
Construct Outlet Ditch.

Private Road Approach
Class II Req'd Right
Opp. Sta. 10+66 "S-1-5-18-A"

WM. J. ENGEMAN

(Corn)

STRUCTURE N° 121
21' Of 12" Class 5 Pipe
With Hdwls. Req'd.

STRUCTURE N° 120
Standard Inlet Type E-7
& 69' Of 12" Class 1 Pipe
With Headwall Req'd.
Construct Outlet Ditch.

TRAHIN, CARRIE + TRAHIN, CLIFFORD J.

~~JOHN TRAHIN~~

(Rye Grass)

CURVE DATA
Δ = 28° 39' Lt.
D = 12° 00'
E = 15.31'
T = 121.94'
L = 238.75'

SOLD ON CONTRACT TO CLIFFORD J. TRAHIN (Parcel 31)

40' R/W

P.I. 12+71.96 Back
12+72.99 Ahead

Line "S-1-5-18-A"

S 89° 18' E

F.F.T. Fence

L.A. R/W & Access Control Line

Leesburg Rd. (Macadam)

Approx. ℄

STRUCTURE N° 122
141' Of 15" Class 1 Pipe
With Headwalls Req'd.
Constr. Inlet & Outlet Ditches.

DANIEL SCHNEIDER

(Pasture)

HEIDRICH, JULIAN ET UX.

~~AUGUST BOAEAF~~

P.O.T. 735+19.5 (I.P.L.)
& O.P.O.T. 20.0 Lt.

P.O.T. 750+20.0 (I.P.L.)
& O.P.O.T. 20.0 Lt. (I.P.L.)

P.O.T. 756+62.4 (I.P.L.)
& O.P.O.T. 20.0 Lt. (I.P.L.)

P.O.T. 757+28.3 (I.P.L.)
& O.P.O.T. 20.0 Lt. (I.P.L.)

P.C. 759+00.0 (I.P.B.) N.R.A.

P.O.S.T. 761+41.0 (I.P.L.)
& O.P.O.S.T. 20.0 Lt.

P.O.T. 10+00.0 (Rd. N.F.)
Line "S-1-5-18-A"

P.I. 11+55.15
Line "S-1-5-18-A"

All R/W On This Sheet To Be As Shown. Limited Access Provisions To Apply Where Indicated.

B.M. 90 El. 850.46 Boat Spike 14" Elm 35' Rt Sta 732 + 60
B.M. 91 El. 849.91 Boat Spike 16" Elm 30' Rt Sta 741 + 75
Perm O El. 850.62 Boat Spike 18" Oak 00' Rt Sta 745 + 20
B.M. 92 El. 858.06 Boat Spike 16" Oak 00' Rt Sta 755 + 19

Balance N° 17

Excavation	25,080 C.Y.
Fill + 20%	12,186 C.Y.
Overhaul	12,944 C.Y.

Above Overhaul To Be Used In Balance N° 18

247 S.Y. Sodding Req'd. Rt.

For Sodding Req'd. Rt. See Preceding Sheet

For Sodding Req'd. Rt. See Following Sheet.

3 Guide Posts Type "A" Req'd. Rt @ 64' Spacing

See Preceding Sheet For Guide Posts Req'd. Lt.

Grade Special Center Ditch

Grade 3' Bottom Ditch Lt.

Grade 3' Bottom Ditch Rt.

PLATE 1 - PLAN - PROFILE B. R. R. STANDARD
INDIANAPOLIS BLUE PRINT AND LITHOGRAPH COMPANY

PROJ	LINE	SHEET	FILE
870(18)	A	17	

STATE HIGHWAY
DEPARTMENT OF INDIANA
FED ROAD REG. NO. 4 | STATE IND. | F PROJ NO 870(12) | FISCAL YEAR 1959 | SHEET NO. 17 | TOTAL SHEETS 26
735
740
745
750
755
760
SECTION 21
T 31N - R 11E
Lake Twp.
ALLEN CO.
TRAHIN, CARRIE + TRAHIN, CLIFFORD J.
JOHN TRAHIN
SOLD ON CONTRACT TO CLIFFORD J. TRAHIN (PARCEL 31)
(Pasture)
STRUCTURE N° 112
See Preceding Sheet.
STRUCTURE N° 113
See Preceding Sheet.
STRUCTURE N° 114
Standard Inlet Type E-7
& 66' Of 12" Class I Pipe
With Headwall Req'd.
Construct Outlet Ditch.
STRUCTURE N° 115
492' Of 24" R.C., V.C., C.I., Or Concrete Pipe, 1-24" x 8" Tee, 1-24" x 15" Tee, 2-24" x 10" Tees, 1-24" x 24" Tee, 1-24" To 6" Reducer With Hdwl. Req'd. Remove 20' Of 8", 20' Of 15", 40' Of 10" F. Tiles & Concrete Hdwl. In Place. Connect To Existing In Place 8", 10", 15" F. Tiles On Left & Construct Headwall In Combination With Pipe Anchor Of Structure N° 117 On Right.
+40,80-15" R.C.P.(Out) 18" Conc. Hdwl. +40,77-8" R.C.P.(Out) (Remove Hdwl.)
(Corn)
STRUCTURE N° 116
207' Of 6" Drain Tile, 1-45° Bend Req'd. Remove 280' Of 6" F. Tile In Place. Connect To 6" F. Tile In Place On Left And To Structure N° 115
STRUCTURE N° 117
Drains 150 Ac. C=0.2
160' Of 42" Class I Pipe
With Pipe Anchors Req'd.
Constr. Inlet & Outlet Ditches.
STRUCTURE N° 118
Standard Inlet Type E-7
& 78' Of 12" Class I Pipe
With Headwall Req'd.
Construct Outlet Ditch.
STRUCTURE N° 119
Standard Inlet Type E-7
& 69' Of 12" Class I Pipe
With Headwall Req'd.
Construct Outlet Ditch.
STRUCTURE N° 120
Standard Inlet Type E-7
& 69' Of 12" Class I Pipe
With Headwall Req'd.
Construct Outlet Ditch.
STRUCTURE N° 121
21' Of 12" Class 5 Pipe
With Hdwls. Req'd.
STRUCTURE N° 122
141' Of 15" Class I Pipe
With Headwalls Req'd.
Constr. Inlet & Outlet Ditches.
Temp. R/W For Constr. Of Drain Tile
Approx. Loc. 6" F.T.
87' L.A. R/W & Access Control Line
F.F.T. Fence
L.A. R/W & Access Control Line
Construction Limits
Line "A"
N 89° 23' E
P.O.T. 735+19.5
P.O.T. 750+20.0
P.O.T. 756+62.4
P.O.T. 757+28.3
P.C. 759+00.0
P.O.S.T. 761+41.0
Felger Drain
DEWEY ROBERTS
(Wheat)
(Weeds)
(Clover)
WM. J. ENGEMAN
(Corn)
Private Road Approach Class II Req'd Right Opp. Sta. 10+86 "S-1-5-18-A"
Begin Work Sta. 9+63
For Detail Of Line "S-1-5-18-A" See Sheet N° 22
1½ S.F.G.C.
+21,42' 4" Peach
+21,82' 4" Peach
+65,42' 6" Apple
+04,42' 6" Apple
+04,82' 6" Apple
+63,80' 12" Wal.
+67,27' 36" Elm
(Yard)
(Chicken Lot)
(Barn Lot)
(Garden)
(Hog Lot)
Low Ground
Leesburg Rd. (Macadam)
P.T. 12+71.96 Back
12+72.99 Ahead
P.I. 11+55.15
P.O.T. 10+00
P.C. 10+33.21
Line "S-1-5-18-A"
S 89° 18' E
40' R/W
100' L.A. R/W & Access Control Line
TRAHIN, CARRIE + TRAHIN, CLIFFORD J.
CURVE DATA
Δ = 28° 39' Lt.
D = 12° 00'
E = 15.31'
T = 121.94'
L = 238.75'
JOHN TRAHIN
(Rye Grass)
SOLD ON CONTRACT TO CLIFFORD J. TRAHIN (Parcel 31)
DANIEL SCHNEIDER
(Pasture)
AUGUST BOAEAF
HEIDRICH, JULIAN ET UX.
P.O.T. 735+19.5 (I.P.L.)
& O.P.O.T. 20.0 Lt.
+51,105 6" F. Tile Out. (Remove)
All R/W On This Sheet To Be As Shown. Limited Access Provisions To Apply Where Indicated.
P.O.T. 750+20.0 (I.P.L.)
& O.P.O.T. 20.0 Lt. (I.P.L.)
+21,01' 8" Pear
+21,42' 4" Apple
+21,62' 4" Pear
+21,80' 6" Apple
+65,01' 8" Plum
P.O.T. 756+62.4 (I.P.L.)
& O.P.O.T. 20.0 Lt. (I.P.L.)
P.O.T. 757+28.3 (I.P.L.)
& O.P.O.T. 20.0 Lt. (I.P.L.)
P.C. 759+00.0 (I.P.B.) N.R.A.
P.O.S.T. 761+41.0 (I.P.L.)
& O.P.O.S.T. 20.0 Lt.
P.O.T. 10+00.0 (Rd. N.F.)
Line "S-1-5-18-A"
P.I. 11+55.15
Line "S-1-5-18-A"
B.M. 90 El. 850.46 Boat Spike 14" Elm 35' Rt. Sta. 732+60
B.M. 91 El. 849.91 Boat Spike 16" Elm 30' Rt. Sta. 741+75
Perm. ⊙ El. 850.62 Boat Spike 18" Oak 100' Rt. Sta. 745+20
B.M. 92 El. 858.06 Boat Spike 16" Oak 100' Rt. Sta. 755+19
See Preceding Sheet For Guide Posts Req'd. Lt.
+00 El. 850.56 1000' V.C.
Grade Special Center Ditch
Grade 3' Bottom Ditch Lt.
Grade 3' Bottom Ditch Rt.
-0.40%
+0.34%
+2.40%
+2.400%
For Sodding Req'd. Rt. See Preceding Sheet
3 Guide Posts Type "A" Req'd. Rt. @ 64' Spacing
247 S.Y. Sodding Req'd. Rt.
For Sodding Req'd. Rt. See Following Sheet.
Balance N° 17
Excavation 25,080 C.Y.
Fill + 20% 12,186 C.Y.
Overhaul 12,944 C.Y.
Above Overhaul To Be Used In Balance N° 18
870
860
850
840
31 32 33 34 735 36 37 38 39 740 41 42 43 44 745 46 47 48 49 750 51 52 53 54 755 56 57 58 59 760 61 62 63
PLAN
NOTE BOOK 8090T L No. 7812 T
SURVEYED PLOTTED ALIGNMENT CHECKED RT. OF WAY CHECKED
PROFILE
NOTE BOOK 8090T L No. 7813 L
SURVEYED PLOTTED GRADES CHECKED B. M.'s NOTED STRUCTURE NOTATIONS CHECKED
PLATE 1 - PLAN - PROFILE B. R. R. STANDARD
INDIANAPOLIS BLUE PRINT AND LITHOGRAPH COMPANY
F PROJ 870(12) | LINE A | SHEET 17 | FILE

STATE HIGHWAY
DEPARTMENT OF INDIANA

F.A.P. ROAD FED. NO.	STATE NO.	F PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
A	IND.	870(12)	1959	18	26

Rev. 12-21-59 Curve Data S-18S-A

TRAHIN, CARRIE + TRAHIN, CLIFFORD J.
SECTION 21
T 31 N - R 11 E
Lake Twp.
ALLEN CO.

Public Road Crossover Required At Sta. 765+22.8

For Details Of Intersection At 765+22.8 See Sheet No. 25

Drains 38 Ac. C=0.3
STRUCTURE N°. 123
42" Of 36"x22" B.C.C.M. Pipe Arch With Headwalls Req'd.
Constr. Inlet & Outlet Ditches.

~~JOHN TRAHIN~~

(Rye Grass)

SOLD ON CONTRACT TO CLIFFORD J. TRAHIN (Parcel 31)

40' R/W

L.A. R/W & Access Control Line

B.M. Reqd. 100' Rt. Of Sta. 764+30

764+08.132' - End Limited Access & R/W Fence

P.I. 764+92.7
=P.O.T. 4+89.8

N 89° 23' E

LINE "W-1"
P.O.C. 764+32.8
=P.O.T. 5+00

WM. J. ENGEMAN

Constr. Limits

DANIEL SCHNEIDER

100' L.A. R/W

CURVE DATA
Δ = 3°57' Rt.
D = 0°20'
E = 10.22'
T = 592.7'
L = 1185.0'

P.I. 6+76.3

P.C. 20+85.80
=6+27 "S-18S-A"

Begin Work Sta. 1+00

1+00, Rt

P.C. 1+70

1+70.30' Line "S-18N-A" Paper Location To Be Constructed

P.T. 29+83

+17,165' - Begin Limited Access & R/W Fence

+49.15' Rt. Pw.P.
+71.14 T.F.P.

+24.15' T.F.P.
+71.14 Rt. Pw.P.

+34.14' T.F.P.

STRUCTURE N°. 125
Standard Inlet Type E-7 & 75' Of 12" Class 1 Pipe With Headwall Req'd.
Construct Outlet Ditch.

Drains 42 Ac. C=0.3
STRUCTURE N°. 126
140' Of 36" Class 1 Pipe With Headwalls Req'd.
Constr. Inl. & Out. Ditches.

END WORK STA. 770+00

End Paving Under This Contract.

CURVE DATA
Line S-18N-A
Δ = 11°-58'
D = 20°-00'
T = 30.03'
L = 59.83'
E = 1.37'

+00,87' - End R/W Fence Under This Contract

+85,87

87' L.A. R/W & Access Control Line

P.T. 770+85.0

P.O.T. 784+04.9

LINE "A"

P.O.T. 789+65.3

+97.1

+57.25'

+97.15

+04.24'

+65.42'

+10.130'-S

+00,87' - End R/W Fence Under This Contract

CURVE DATA
Line S-18S-A
Δ = 41°26' Lt.
D = 20°00'
E = 19.84'
T = 108.45'
L = 207.33'

Line "S-18S-A" Paper Location To Be Constructed

End Work Sta. 23+98

END OF F PROJECT N° 870(12) STA. 770+00

STRUCTURE N°. 124
21' Of 12" Class 5 Pipe With Hdwls. Req'd.

~~Existing~~ Road Approach Class X Reqd. Right Opp. Sta. 8+16 "S-18S-A"

8+50,30'

End Work Sta. 9+21

9+21, Rt

+31,17' T.F.P.

+95,15' Rt. Pw.P.

+28.12' Rt. 6" C.I.P. Out. (Remove)

+08.12' Rt. 6" C.I.P. In.

+23.98 Rt

+21,76,74'

All R/W On This Sheet To Be As Shown. Limited Access Provisions To Apply Where Indicated. Access Will Be Permitted At The Following Locations:

Station	Public Type
765+22.8 Lt.	—
765+22.8 Rt.	—

CARL STAHLHUT

(Pasture)

(Corn)

(Wheat)

(Low Ground)

(Pasture Brush)

(Pasture Clear)

(Soybeans)

(Pasture)

NORMAN SCHAEFER

EMIL BERCOT

DONALD LONG

PARCEL 35 ON PROJECT F-870(12) AND PARCEL 36 ON PROJECT F-870(13) COVER THE SAME LAND, WITH ACQUISITION THEREOF ENTIRELY UNDER SAID PROJECT F-870(12)

P.I. 17+56.0 (I.P.B.) LINE "S-1-S-18-A"
+39.54 12" C.M.P. Out.
+54.28 12" C.M.P. In. (Remove)

P.I. 764+92.7 (I.P.F.) =P.O.T. 4+89.8 "S-18-A"

P.O.C. 764+92.8 (I.P.L.) =P.O.T. 5+00.0 "S-18-A"

P.O.C. 765+22.8 (I.P.B.) =P.O.T. 19+40.0 "S-1-S-18-A"

P.O.T. 0+00.0 (I.P.F.) LINE "S-18-A"

P.I. 6+78.3 (I.P.F.) LINE "S-18-A"

P.O.T. 10+00.0 (I.P.F.) LINE "S-18-A"

P.T. 770+85.0 (I.P.B.)

P.C. 20+85.6 (I.P.B.) LINE "S-1-S-18-A"

P.I. 21+94.25 (R.N.F.) LINE "S-1-S-18-A"

P.T. 22+93.13 (R.N.F.) LINE "S-1-S-18-A"

P.O.T. 784+04.9 (I.P.L.)

P.O.T. 789+65.3 (I.P.L.)

B.M. 93	El. 860.22	Boat Spike	Tfp. 175' Rt. Sta. 765 + 35
B.M. 94	El. 857.19	Boat Spike	20" Pear 331' Lt. Sta. 769 + 70
B.M. 95	El. 856.79	Boat Spike	8" Elm 170' Lt. Sta. 784 + 84
B.M. 96	El. 851.17	Boat Spike	20" Oak 300' Rt. Sta. 792 + 28

769+00
El. 860.08
800' V.C.

END OF F PROJECT N° 870(12) STA. 770+00

Grade Special Center Ditch

192 S.Y. Sodding Req'd. Rt.

74 S.Y. Sodding Req'd. Rt.

142 S.Y. Sodding Req'd. Lt.

Grade 3' Bottom Ditch Lt.

Grade 3' Bottom Ditch Rt.

END WORK THIS PROJECT

Balance N° 18

Excavation	2,475 C.Y.
Fill + 20%	18,919 C.Y.
Borrow	12,944 C.Y.
Spec. Borrow	3,500 C.Y.

Above Borrow To Be Obtained From Balance N° 17

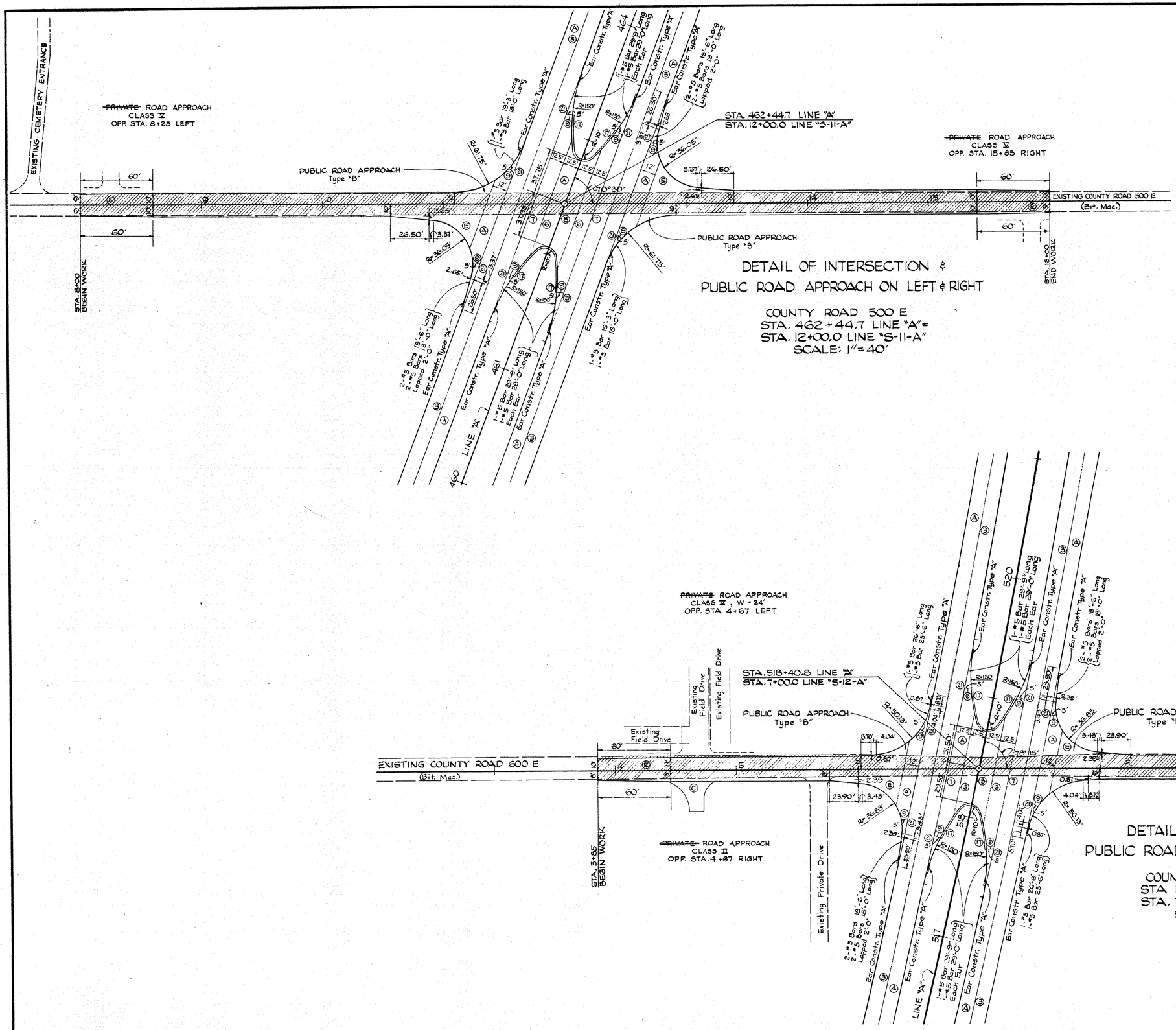
PLATE 1 PLAN PROFILE U. S. STANDARD
CONSOLIDATED LITHOGRAPHING COMPANY

F. PROJ.	LINE	SHEET	FILE
870	A	18	

WMB 3-5-59

FEDERAL ROAD REGION NO.	STATE	F PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	870(12)	1959	19	26

Rev. 7-26-60. Joint Filler



DETAIL OF INTERSECTION &
PUBLIC ROAD APPROACH ON LEFT & RIGHT

COUNTY ROAD 500 E
STA. 462+44.7 LINE "A" =
STA. 12+00.0 LINE "S-11-A"
SCALE: 1"=40'

LEGEND

- ③ Longitudinal Joint
- ⑥ Construction Joint
- ⑦ Keyway Joint
- ⑧ 1" Preformed Expansion Joint with Load Transfer
- ⑨ 1" Preformed Joint Filler for Expansion Joint
- ⑰ Integral Concrete Curb Type "B"
- ㉑ Keyway Construction Joint

- Ⓐ Reinforced Concrete Pavement-9"
- Ⓒ 6" Compacted Aggregate
- Ⓔ 3" Hot Asphaltic Concrete Binder and 5" Compacted Aggregate Base or 5" Salvaged Road Material Base

Existing Bituminous Surfacing to be Removed

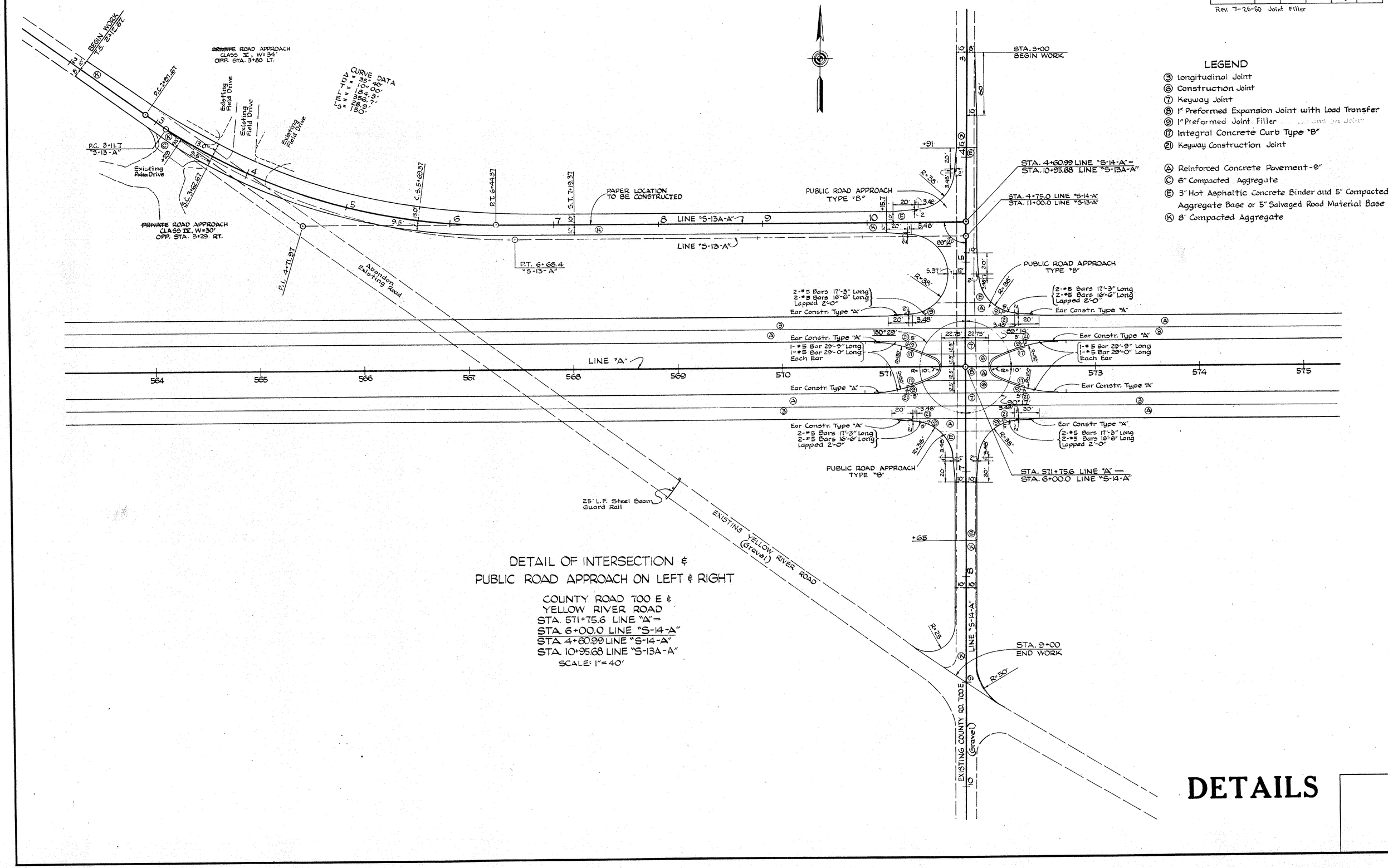
DETAIL OF INTERSECTION &
PUBLIC ROAD APPROACH ON LEFT & RIGHT

COUNTY ROAD 600 E
STA 518+40.8 LINE "A" =
STA. 7+00.0 LINE "S-12-A"
SCALE: 1"=40'

DETAILS

FEDERAL ROAD REGION NO.	STATE	F PROJ. NO	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	870(12)	1959	20	26

Rev. 7-26-60 Joint Filler



LEGEND

- ③ Longitudinal Joint
- ⑥ Construction Joint
- ⑦ Keyway Joint
- ⑧ 1" Preformed Expansion Joint with Load Transfer
- ⑨ 1" Preformed Joint Filler [illegible] Joint
- ⑰ Integral Concrete Curb Type "B"
- ㉑ Keyway Construction Joint

- Ⓐ Reinforced Concrete Pavement - 9"
- Ⓒ 6" Compacted Aggregate
- Ⓔ 3" Hot Asphaltic Concrete Binder and 5" Compacted Aggregate Base or 5" Salvaged Road Material Base
- Ⓚ 8" Compacted Aggregate

DETAIL OF INTERSECTION & PUBLIC ROAD APPROACH ON LEFT & RIGHT

COUNTY ROAD 700 E & YELLOW RIVER ROAD
STA. 571+75.6 LINE "A" =
STA. 6+00.0 LINE "S-14-A"
STA. 4+60.99 LINE "S-14-A"
STA. 10+95.68 LINE "S-13A-A"
SCALE: 1" = 40'

DETAILS

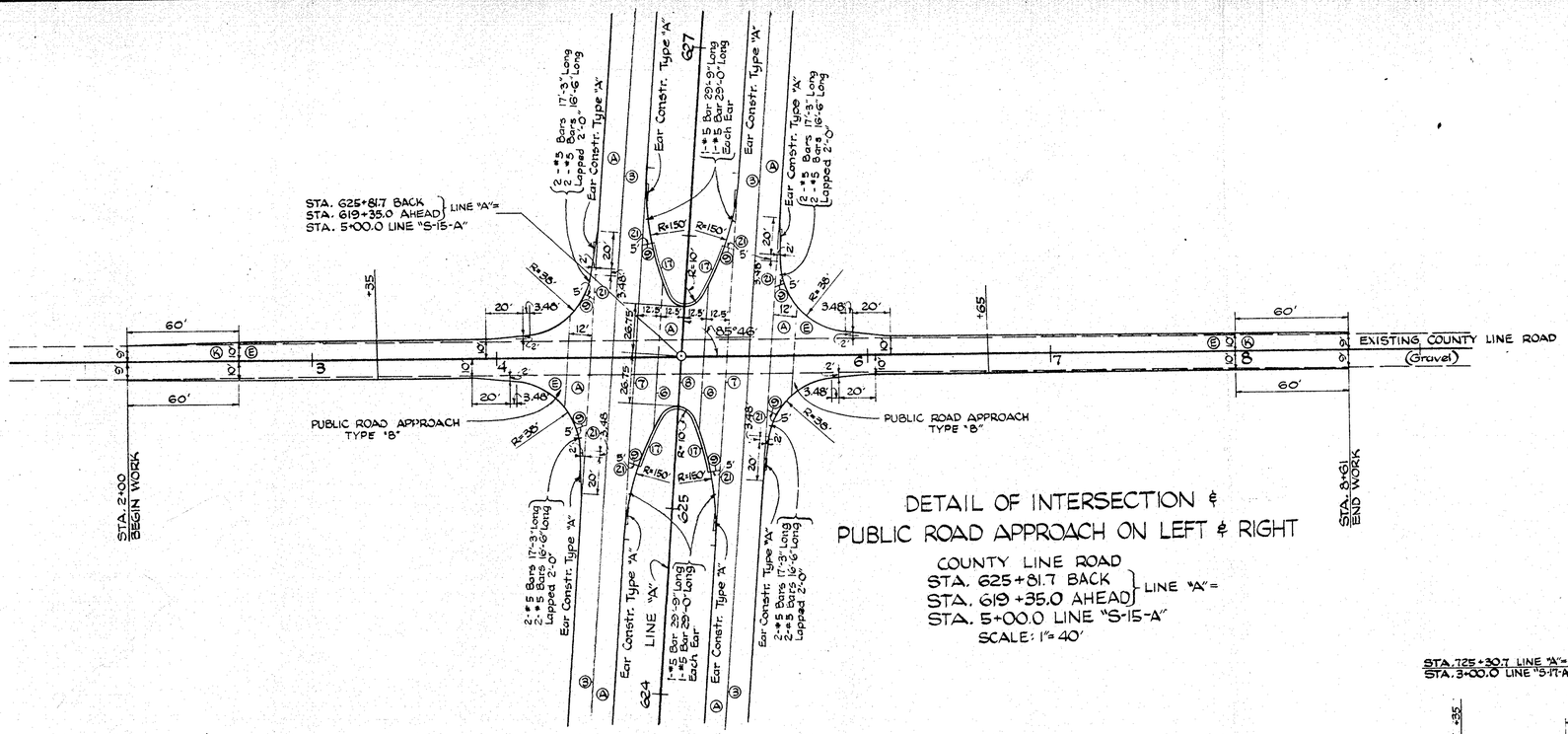
FEDERAL ROAD REGION NO.	STATE	PROJ NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
4	IND.	870(12)	1959	21	26

Rev. 7-26-60 Joint Filler

LEGEND

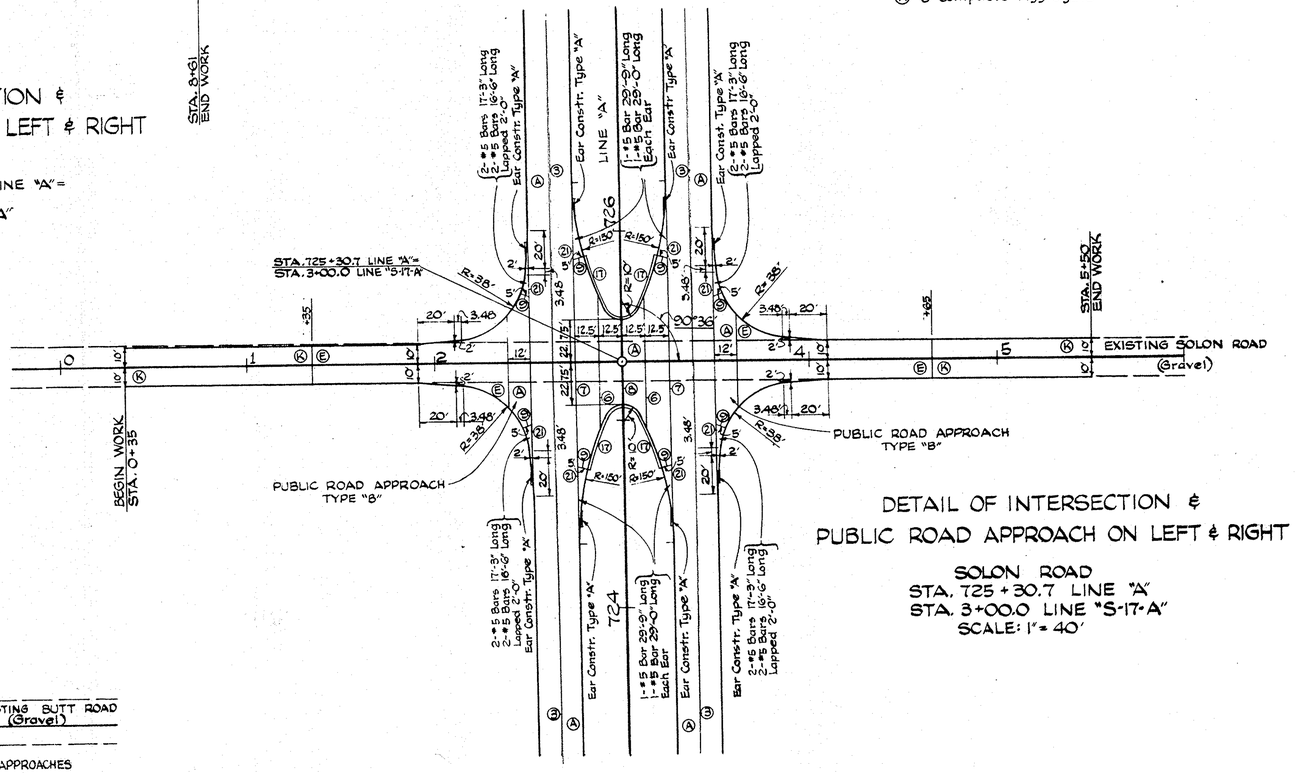
- (3) Longitudinal Joint
- (6) Construction Joint
- (7) Keyway Joint
- (8) 1" Preformed Expansion Joint with Load Transfer
- (9) 1" Preformed Joint Filler Fibre Expansion Joint
- (17) Integral Concrete Curb Type "B"
- (21) Keyway Construction Joint

- (A) Reinforced Concrete Pavement - 9"
- (E) 3" Hot Asphaltic Concrete Binder and 5" Compacted Aggregate Base or 5" Salvaged Road Material Base
- (K) 8" Compacte Aggregate



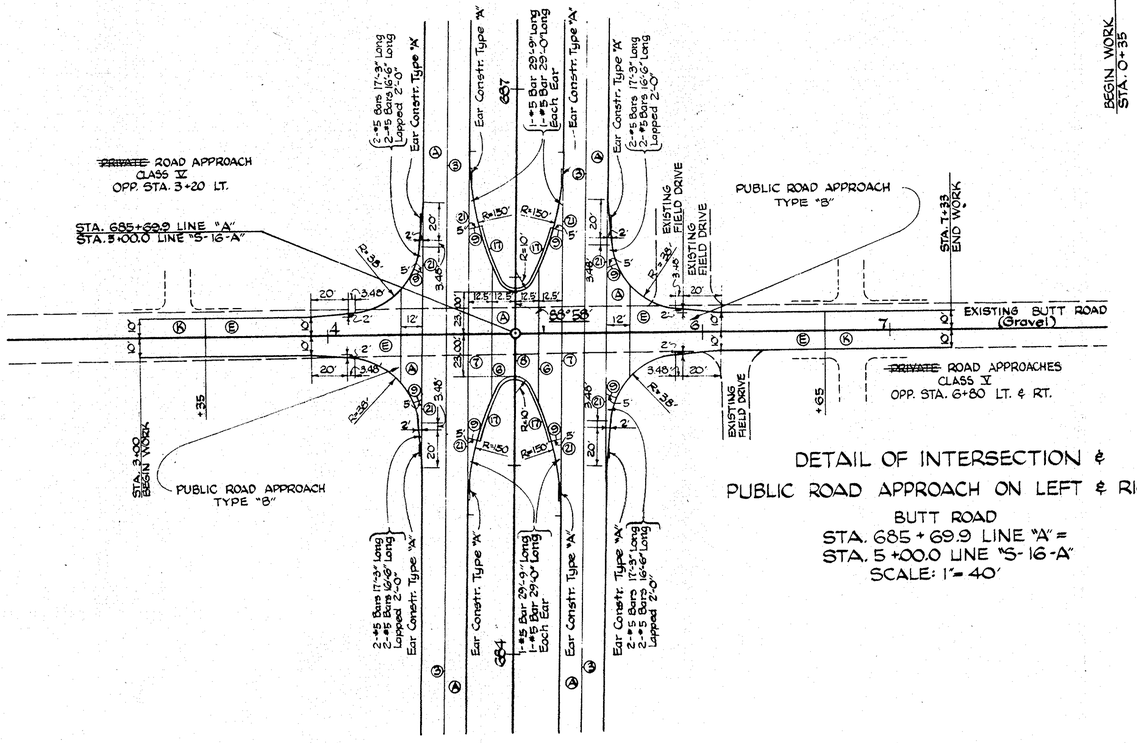
DETAIL OF INTERSECTION & PUBLIC ROAD APPROACH ON LEFT & RIGHT

COUNTY LINE ROAD
STA. 625+81.7 BACK } LINE "A" =
STA. 619+35.0 AHEAD
STA. 5+00.0 LINE "S-15-A"
SCALE: 1" = 40'



DETAIL OF INTERSECTION & PUBLIC ROAD APPROACH ON LEFT & RIGHT

SOLON ROAD
STA. 725 + 30.7 LINE "A"
STA. 3+00.0 LINE "S-17-A"
SCALE: 1" = 40'



DETAIL OF INTERSECTION & PUBLIC ROAD APPROACH ON LEFT & RIGHT

BUTT ROAD
STA. 685 + 69.9 LINE "A" =
STA. 5 +00.0 LINE "S- 16 -A"
SCALE: 1" = 40'

DETAILS

FEDERAL ROAD REGION NO.	STATE	F PROJ. NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
4	IND.	870(12)	1959	22	26

Rev. 12-21-59 Curve Data
Rev. 7-26-60 Joint Filler

BEGIN WORK
STA. 9+63

CURVE DATA
Δ = 28° 39' LT.
D = 4°
T = 12.00'
L = 21.94'
R = 286.75'
E = 0.31'
S.E. = 0.0417

PAPER LOCATION OF CURVE TO BE CONSTRUCTED

P.C. 10+33.2

P.T. 12+71.96 BACK =
12+72.39 AHEAD

EXISTING PRIVATE DR.

PRIVATE ROAD APPROACH
CLASS II
OPP. STA. 10+86 RT.

P.I. 11+55.15

LINE "S-1-S-18-A"

ABANDON EXISTING LEESBURG ROAD

Line S-18N-A
CURVE DATA
Δ = 1° 58'
D = 2° 00'
T = 30.03'
L = 59.83'
E = 1.57'

BEGIN WORK
STA. 1+00 "S-18-A"
= S-18N-A

1+70
P.C.

PAPER LOCATION TO BE CONSTRUCTED

D = 20°
S.E. = 0.0417

P.T. 2+29.83

STA. 17+56 LINE "S-1-S-18-A" =
STA. 3+29 LINE "S-18N-A"

LINE "S-1-S-18-A"

R=250'
R=120'
R=45'
R=10'

P.O.T. 19+40.0 LINE "S-1-S-18-A" =
P.O.C. 765+22.8 LINE "A"

LINE "A"

1-#5 Bar 26'-9" Long
1-#5 Bar 25'-9" Long
Ear Constr. Type "A"

1-#5 Bars 26'-3" Long
Lapped 2'-0"

6-#5 Bars 29'-6" Long
Lapped 2'-0"

CURVE DATA
Δ = 3° 56' 41.87"
D = 4° 00'
T = 49.75'
L = 99.42'
E = 0.86'

P.C. 759+00

CURVE DATA
Δ = 3° 12' 08.90"
D = 12° 00'
T = 13.35'
L = 26.69'
E = 0.19'

STA. 764+92.8 LINE "A"
STA. 5+00 LINE "S-18-A"

(Macadam)

EXISTING FELGER ROAD (Macadam)

LINE "S-1-S-18-A"

CURVE DATA
Δ = 3° 38' 56.68"
D = 12° 00'
T = 15.21'
L = 30.41'
E = 0.24'

CURVE DATA
Δ = 2° 43' 23.71"
D = 4° 00'
T = 34.05'
L = 68.08'
E = 0.40'

To Be Constructed As Incidental Construction Under Adjacent Project.

49.56'
On ℄

4-#5 Bars 26'-8" Long
Lapped 2'-0"

6-#5 Bars 29'-3" Long
Lapped 2'-0"

25.66'

Ear Constr. Type "A"

Line S-1-S-18-A
CURVE DATA
Δ = 41° 28'
D = 20° 00' LT.
T = 108.45'
L = 207.33'
E = 19.84'
L.E. = 0
S.E. = 0.0417

R=120'
P.C. 20+85.80 LINE "S-1-S-18-A" =
STA. 6+27.0 LINE "S-18S-A"

P.C. Sta. 7+01

770+00

END OF
F PROJECT 870(12)
STA. 770+00

PAPER LOCATION TO BE CONSTRUCTED

PRIVATE ROAD APPROACH
CLASS II
OPP. STA. 8+16 RT.

PRIVATE DR.

D = 20'
S.E. = 0.0417

P.T. 8+51

Line S-18S-A
CURVE DATA
Δ = 30° 00'
D = 20° 00'
T = 76.76'
L = 150.00'
E = 10.11'

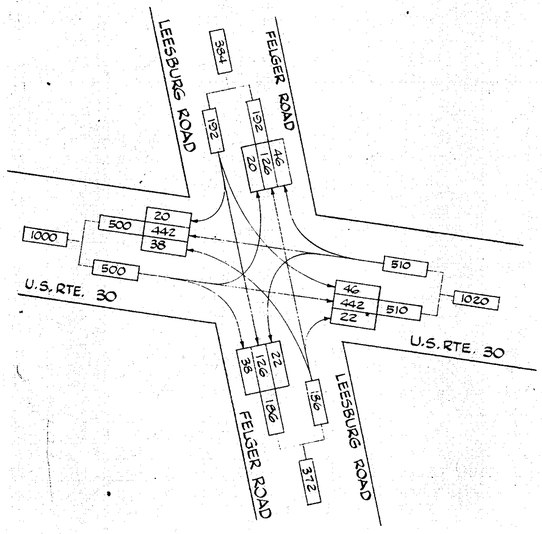
P.T. 22+93.13

END WORK
STA. 23+89

END WORK
STA. 9+21
"S-18S-A" = "S-18-A"

DETAIL OF INTERSECTION &
PUBLIC ROAD APPROACH ON LEFT & RIGHT

LEESBURG ROAD &
FELGER ROAD
STA. 17+56.0 LINE "S-1-S-18-A"
STA. 3+29.0 LINE "S-18N-A"
STA. 765+22.8 LINE "A" =
STA. 19+40.0 LINE "S-1-S-18-A"
STA. 20+85.8 LINE "S-1-S-18-A" =
STA. 6+27.0 LINE "S-18S-A"
SCALE: 1" = 40'



MOTOR VEHICLE TRAFFIC
D.H.V. 1979

LEGEND

- (3) Longitudinal Joint
- (6) Construction Joint
- (7) Keyway Joint
- (8) 1" Preformed Expansion Joint with Load Transfer
- (9) 1" Preformed Joint Filler
- (17) Integral Concrete Curb Type "B"
- (21) Keyway Construction Joint

- (A) Reinforced Concrete Pavement - 9"
- (C) 6" Compacted Aggregate
- (E) 3" Hot Asphaltic Concrete Binder and 5" Compacted Aggregate Base or 5" Salvaged Road Material Base

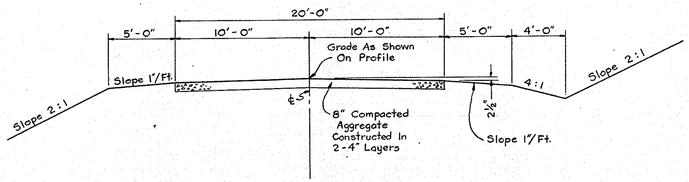
Existing Bituminous Surface to be Removed
Incidental Construction Under Adjacent Project.

DETAILS

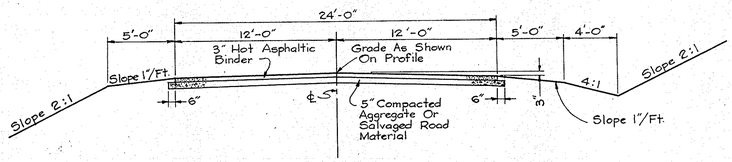
WKD 3-5-59

FEDERAL ROAD REGION NO.	STATE	F PROJ NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
4	IND.	870(12)	1959	23	26

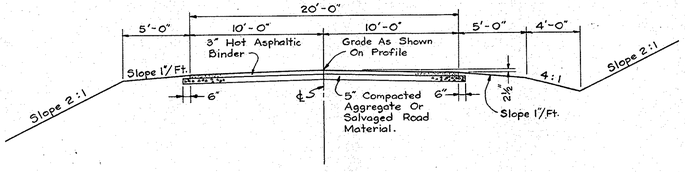
Rev. 8-11-60 Note Added



Line "S-13A-A"
Line "S-14-A"
Line "S-15-A"
Line "S-16-A"
Line "S-17-A"



Line "S-1-S-18-A"
Line "S-18N-A"
Line "S-18S-A"



Line "S-11-A"
Line "S-12-A"

PUBLIC ROAD APPROACHES

LOCATION	TYPE	EXCAVATION C.Y. CUT	EXCAVATION C.Y. FILL	9" R.C. PVM'T. S.Y.	3" HOT ASPHALTIC BINDER S.Y.	5" COMPACTED AGGREGATE TONS	8" COMPACTED AGGREGATE TONS	1" PREFORMED JT. FILLER L.F.	REINF. STEEL LBS.	DETAILS ON SHEET
462 + 44.7 Lt.	B	2258	19	113	791	231		10	120	~~19~~
462 + 44.7 Rt.	B	65	764	113	791	231		10	120	~~19~~
518 + 40.8 Lt.	B	1045	13	106	590	172		10	131	~~19~~
518 + 40.8 Rt.	B	60	2406	106	978	285		10	131	~~19~~
Opp. 563 + 80	Road									
to 571 + 75.6 Lt.	Reloc.	340	2140		220	63	835			~~20~~
571 + 75.6 Lt.	B	72	433	106	460	132	87	10	141	~~20~~
571 + 75.6 Rt.	B	470	255	99	231	68	165	10	141	~~20~~
625+81.7 (Bk)Lt.	B	190	1080	101	271	79	131	10	141	~~21~~
625+81.7 (Bk)Rt.	B	72	1256	101	271	79	191	10	141	~~21~~
685+69.9 Lt.	B	27	182	99	269	78	34	10	141	~~21~~
685+69.9 Rt.	B	48	186	99	269	78	67	10	141	~~21~~
725+30.7 Lt.	B	409	18	99	269	78	99	10	141	~~21~~
725+30.7 Rt.	B	201	59	99	269	78	84	10	141	~~21~~
Opp. 756+95	Road									
to 765+22.8 Lt.	Reloc.	286	3854	658	3442	991		5	55	~~22~~
Opp. 765+22.8	Road									
to 767+76 Rt.	Reloc.	1065	104	671	2084	600		9	222	~~22~~

CROSSOVERS

LOCATION	DESCRIPTION	CONCRETE PVM'T. 9 REINF. S.Y.	CONCRETE PVM'T. 6" PLAIN S.Y.	INTEGRAL CON. CURB TYPE "B" L.F.	1" PREFORMED JOINT FILLER L.F.	1" PREFORMED EXP. JT. W/LOAD TRANSFER L.F.	REINF. STEEL LBS.	DETAILS ON SHEET
462+44.7	Pub. Rd. X'Over	624		150	20	76	246	~~19~~
488+10	Prvt. Dr. X'Over		163		20	18	96	~~35~~
518+40.8	Pub. Rd. X'Over	543		150	20	61	246	~~19~~
571+75.6	Pub. Rd. X'Over	457		150	20	46	246	~~20~~
585+23	Prvt. Dr. X'Over		130		20	12	96	~~35~~
619+35(Ah)	Pub. Rd. X'Over	501		150	20	54	246	~~21~~
685+69.9	Pub. Rd. X'Over	460		150	20	46	246	~~21~~
725+30.7	Pub. Rd. X'Over	457		150	20	46	246	~~21~~
765+22.8	Pub. Rd. X'Over	818		104	20	90	438	~~22~~

~~PRIVATE~~ DRIVE APPROACHES

LOCATION	CLASS	EXCAVATION C.Y. CUT	EXCAVATION C.Y. FILL	6" COMPACTED AGGREGATE TONS	DETAILS ON SHEET
8+25 Lt. "S-11-A"	V				~~19~~ ~~33~~
15+85 Rt. "S-11-A"	V				~~19~~ ~~33~~
487+94 Lt.	V				~~7~~ ~~33~~
488+50 Lt.	V				~~7~~ ~~33~~
488+10 Rt.	V	292	177		~~7~~ ~~33~~
4+67 Lt. "S-12-A"	V				~~19~~ ~~33~~
4+67 Rt. "S-12-A"	IV			18	~~19~~ ~~33~~
9+89 Lt. "S-12-A"	V				~~19~~ ~~33~~
9+89 Rt. "S-12-A"	V				~~19~~ ~~33~~
3+29 Rt. "S-13A-A"	IV			15	~~20~~ ~~33~~
3+80 Lt. "S-13A-A"	V				~~20~~ ~~33~~
585+23 Lt.	V	22			~~33~~
585+23 Rt.	V	20			~~33~~
8+46 Lt. "S-15-A"	V				~~21~~ ~~33~~
3+20 Lt. "S-16-A"	V				~~21~~ ~~33~~
6+80 Lt. "S-16-A"	V				~~21~~ ~~33~~
6+80 Rt. "S-16-A"	V				~~21~~ ~~33~~
10+86 Rt. "S-1-S-18-A"	II			10	~~22~~ ~~33~~
9+16 Rt. "S-18S-A"	II			11	~~22~~ ~~33~~

Common ~~Pvt.~~ Dr. Approach Class V at Sta. 488+10 Lt.

DETAILS

Scale 3/16" = 1'-0"

FEDERAL ROAD REGION NO.	STATE	F PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	870(12)	1959	24	26

REQUIRED SUBSURFACE DRAINS

STATION	LOCATION	CONNECTION	CONNECTS TO STR. Nº	SODDING SQ. YDS.	GUIDE POSTS EA.	LENGTH LIN. FT.
444+00 – 445+12	Lt. Shoulder	To F-Proj. Nº 870(4)				112
447+00 – 457+02	Lt. Shoulder	2 - 30° Bends	–	4	2	1002
447+14 – 460+70	Rt. Shoulder	2 - 30° Bends	–	4	2	1356
466+50 – 471+52	Lt. Shoulder	1 - 30° Bend	–	2	1	502
466+34 – 473+30	Rt. Shoulder	1 - 30° Bend	–	2	1	696
482+00 – 488+00	Lt. Shoulder	1 - 30° Bend	–	2	1	600
483+50 – 489+50	Rt. Shoulder	1 - 30° Bend	–	2	1	600
489+52 – 501+00	Rt. Shoulder	1 - 30° Bend	–	2	1	1148
492+00 – 493+50	Lt. Shoulder	1 - 30° Bend	–	2	1	150
497+50 – 499+42	Lt. Shoulder	1 - 30° Bend	–	2	1	192
504+35 – 517+63	Rt. Median	1-6"On 12" Tee	33			1326
		1-6"On 15" Tee	34			
517+63 – 524+50	Rt. Median	1-6"On 24" Tee	42			687
524+50 – 537+05	Rt. Median	1-6"On 12" Tee	47			1255
510+91 – 517+63	Lt. Shoulder	1- 30° Bend	–	2	1	672
		1-6"On 15" Tee	34			
517+63 – 520+51	Lt. Shoulder	1-30° Bend	–	2	1	288
525+50 – 533+24	Lt. Shoulder	1-30° Bend	–	2	1	774
540+12 – 547+50	Lt. Shoulder	1-30° Bend	–	2	1	738
543+30 – 547+38	Rt. Shoulder	1-30° Bend	–	2	1	408
549+64 – 556+00	Lt. Shoulder	2-30° Bends	–	4	2	636
549+85 – 551+35	Rt. Shoulder	2- 30° Bends	–	4	2	150
553+02 – 555+00	Rt. Shoulder	1 - 30° Bend	–	2	1	198
556+40 – 565+76	Lt. Shoulder	1 - 30° Bend	–	2	1	936
558+66 – 566+10	Rt. Shoulder	1 - 30° Bend	–	2	1	744
574+52 – 581+00	Rt. Shoulder	1 - 30° Bend	–	2	1	648
575+00 – 577+70	Lt. Shoulder	1 - 30° Bend	–	2	1	270
585+64 – 590+50	Lt. Shoulder	1 - 30° Bend	–	2	1	486
585+40 – 590+50	Rt. Shoulder	1 - 30° Bend	–	2	1	510
595+50 – 596+70	Rt. Shoulder	2 - 30° Bends	–	4	2	120
610+90 – 624+22(B)	Lt. Shoulder	2 - 30° Bends	–	4	2	1332
611+50 – 623+74(B)	Rt. Shoulder	2 - 30° Bends	–	4	2	1224
639+30 – 640+20	Rt. Shoulder	1 - 30° Bend	–	2	1	90
640+20 – 648+20	Rt. Median	1-6"On 12" Tee	91			800
648+20 – 651+50	Rt. Median	1-6"On 24" Tee	92			330
640+20 – 646+98	Lt. Shoulder	1-30° Bend	–	2	1	678
654+84 – 664+20	Lt. Shoulder	1- 30° Bend	–	2	1	936
664+20 – 676+02	Lt. Shoulder	1-6"On 15" Tee	97			1182
685+00 – 689+74	Lt. Shoulder	1-30° Bend	–	2	1	474
685+50 – 695+28	Rt. Shoulder	1-30° Bend	–	2	1	978
690+50 – 693+44	Lt. Shoulder	1-30° Bend	–	2	1	294
696+40 – 706+72	Lt. Shoulder	1-6"On 12" Tee	104			1032
706+72 – 711+46	Lt. Shoulder	1-30° Bend	–	2	1	474
698+22 – 706+50	Rt. Shoulder	1-30° Bend	–	2	1	828
714+00 – 717+00	Rt. Shoulder	1-30° Bend	–	2	1	300
715+70 – 717+14	Lt. Shoulder	1-30° Bend	–	2	1	144
723+50 – 726+68	Rt. Shoulder	1-30° Bend	–	2	1	318
724+52 – 725+90	Lt. Shoulder	1-30° Bend	–	2	1	138
733+20 – 736+02	Rt. Shoulder	1-30° Bend	–	2	1	282
735+12 – 739+00	Lt. Shoulder	1-30° Bend	–	2	1	388
746+98 – 760+00	Lt. Shoulder	1-30° Bend	–	2	1	1302
760+00 – 768+00	Lt. Median	1-6"On 15" Tee	122			800
768+00 – 770+00	Lt. Median	1-6"On 36" Tee	126			200
763+30 – 767+02	Rt. Shoulder	1-30° Bend	–	2	1	372
768+98 – 770+00	Rt. Shoulder	1-30° Bend	–	2	1	102

PAVED SIDE DITCHES

LOCATION	DITCH TYPE	STATION LENGTH L.F.	ADJUSTED PAYMENT LENGTH L.F.	SODDING S.Y.	REMARKS
Rt. 459+95 To 461+20	"A"	125	135	37	
Lt. 463+57 To 465+18	"B"	156	170	48	Adjusted For Skew & Slope & Includes 5 Prs. Lugs @ 5'
					Spacing 464+93 To 465+13. Deform Opp 465+00
					To Form Outlt. Apron For Str. Nº 22. Deform Opp.
					465+13 To Form Outlt. Apron For Str. Nº 23
Lt. 465+13 To 467+40	"B"	227	243	69	Adjusted For Skew And Slope And Includes
					6 Prs. Lugs @ 5' Spacing 465+13 To
					465+45. Deform Opp. 465+13 To Form
					Outlet Apron For Str. Nº 23.
Rt. 465+48 To 466+65	"B"	117	147	36	Adjusted For Skew And Slope And Includes
					18 Prs. Lugs @ 5' Spacing 465+59 To
					466+40. Deform Opp. 465+51 To Form
					Inlet Apron For Str. Nº 23.
Rt. 473+15 To 474+75	"A"	160	199	48	Adjusted For Skew And Slope And Includes
					27 Prs. Lugs @ 5' Spacing 473+40 To
					474+70. Deform Opp. 474+70 To Form
					Inlet Apron For Str. Nº 25.
Rt. 481+05 To 484+25	"A"	320	332	96	Adjusted For Skew And Slope.
Rt. 505+75 To 507+25	"A"	150	160	44	
Rt. 533+50 To 535+55	"A"	185	196	55	Adjusted For Skew And Slope.
Lt. 537+80 To 541+25	"B"	345	356	103	Adjusted For Skew And Slope. Deform
					Opp. 537+85 To Form Inlet Apron For
					Str. Nº 48.
Lt. 564+85 To 567+05	"A"	220	231	66	Adjusted For Skew And Slope. Deform
					Opp. 566+15 To Form Outlet Apron For
					Str. Nº 56.
Rt. 565+25 To 567+70	"A"	245	256	73	Adjusted For Skew And Slope. Deform
					Opp. 567+65 To Form Inlet Apron
					For Str. Nº 57.
Rt. 609+65 To 611+95	"A"	230	242	69	Adjusted For Skew And Slope.
Rt. Slope Opp. 617+90	"B"	26	41	8	5 Prs. Lugs @ 5' Spacing On Slope.
					Deform Opp. 617+90 To Form Discharge
					Apron Into Special Ditch Right.
Lt. 623+00 (Back) To 620+25 (Ahead)	"B"	309	325	94	Adjusted For Skew And Slope. Deform
					Opp. 625+00 (Back) To Form Outlet
					Apron For Str. Nº. 82. Deform To Form
					Inlet And Outlet Aprons For Str. Nº. 83
Rt. 623+16 (Back) To 624+90 (Back)	"A"	174	185	52	Adjusted For Skew And Slope.
Rt. 638+25 To 639+75	"A"	150	162	45	Adjusted For Skew And Slope.
Rt. 694+65 To 696+15	"A"	150	160	45	
Lt. 609+65 To 611+65	"A"	200	212	60	Adjusted For Skew And Slope. Deform
					Opp. 610+42 To Form Outlet Apron
					For Str. Nº 81.

DETAILS

WRB 3-5-59

STRUCTURE DATA

FEDERAL ROAD REGION NO.	STATE	F. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	870(12)	1959	25	26

STRUCTURE NUMBER	LOCATION	DESCRIPTION: SIZE	DESCRIPTION	SKEW	LENGTH "L"	HEIGHT "H"	WINGS "W"	FLOW LINE: UP STREAM ELEV.	FLOW LINE: DOWN STREAM ELEV.	CONCRETE CLASS "D" CU.YDS.	SPECIAL BORROW GRADE "B" CU.YDS.	REINFORCING STEEL LBS.	REMARKS	PLANS ON SHEET NO.
11	445+60	8"	~~Conc. or V.C.~~ Sewer Pipe		186						10		Remove 186' of 8" F. Tile in Place. Connect to 8" F. Tile in Place.	
12	445+65	24"	Class 1 Pipe	15°	153			848.60	846.75	2.5	26		Construct Inlet & Outlet Ditches.	
13	457+50		Std. Inlet Type E-7 &										Construct Outlet Ditch.	
		12"	Class 1 Pipe		69			848.08	847.80	0.29				
14	461+30		Std. Inlet Type E-7 &										Construct Outlet Ditch.	
		12"	Class 1 Pipe		69			844.89	844.61	0.29				
15	8+25 Lt.													
	S-11-A	12"	Class 5 Pipe		21					0.58				
16	10+60												Construct Inlet & Outlet Ditches.	
	S-11-A	24"	Class 5 Pipe		45			843.45	843.33	1.24				
17	13+49												Remove 15" C.M.P. with Headwall in Place. Construct Outlet	
	S-11-A	30"	Class 5 Pipe		64			839.99	839.04	4.14	10		Ditches.	
18	13+54												Remove 126' of 10" F. Tile & 2 Pipe Catch Basins in Place.	
	S-11-A	10"	~~Conc. or V.C.~~ Sewer Pipe,										Connect to 10" F. Tile in Place.	
			2-12" on 10" "T's		126									
19	13+54 Rt.		24" Pipe Catch Basin &										Connect to Str. No. 18.	
	S-11-A	12"	~~Conc. or V.C.~~ Sewer Pipe		6									
20	13+54 Lt.		24" Pipe Catch Basin &										Connect to Str. No. 18.	
	S-11-A	12"	~~Conc. or V.C.~~ Sewer Pipe											
21	15+85 Rt.													
	S-11-A	15"	Class 5 Pipe		21					0.58				
22	465+00		Std. Inlet Type E-7 &										Deform Adjacent Paved Ditch to Form Outlet Apron.	
		12"	Class 1 Pipe		81			843.26	835.66	0.64			Construct Outlet Ditch.	
23	465+32	54"	Class 1 Pipe	12°	180			832.60	832.10	3.18	73		Deform Adjacent Paved Ditches to form Inlet & Outlet Aprons.	
													Construct Outlet Ditches.	
24	472+00		Std. Inlet Type E-7 &										Construct Inlet & Outlet Ditches.	
		12"	Class 1 Pipe		69			846.28	843.88	0.64				
25	474+50	30"	Class 1 Pipe	15°	184			835.71	832.89	5.78	35		Deform Adjacent Paved Ditch to Form Inlet Apron. Construct	
													Inlet & Outlet Ditches.	
26	480+00		Std. Inlet Type E-7 &										Construct Outlet Ditch.	
		12"	Class 1 Pipe		90			851.43	838.41	0.64				
27	484+35 Rt.	12"	Class 5 Pipe		24					0.58			Construct Inlet & Outlet Ditches.	
28	486+10 Lt.	18"×11"	B.C.C.M. Pipe Arch		24					0.45				
29	486+10 Rt.	18"×11"	B.C.C.M. Pipe Arch		24					0.45				
30	489+50		Std. Inlet Type E-7 &										Construct Outlet Ditch.	
		12"	Class 1 Pipe		72			851.54	856.56	0.29				
31	497+50		Std. Inlet Type E-7 &										Construct Outlet Ditch.	
		12"	Class 1 Pipe	30°	78			862.09	862.41	0.29				
32	501+00	24"	Class 1 Pipe		153			864.52	852.96	2.5	26		Construct Inlet & Outlet Ditches.	
33	504+35		Std. Inlet Type E-7 &											
		12"	Class 1 Pipe, 1-6"on 12" "T"		87			867.10	855.16	0.64			Construct Outlet Ditch.	
34	517+63	15"	Class 1 Pipe, 2-6"on 15" "T's	5°	141			867.92	867.23	0.69	16		Construct Inlet & Outlet Ditches.	
35	517+63		Std. Inlet Type F-7										Connect to Str. No. 34.	
36	4+67 Rt.													
	S-12-A	18"×11"	B.C.C.M. Pipe Arch		30					0.45				
37	4+67 Lt.												Remove 47' of 12" C.I. Pipe in Place.	
	S-12-A	18"×11"	B.C.C.M. Pipe Arch		42					0.45				
38	4+80	6"	~~Conc. or V.C.~~ Sewer Pipe		24								Remove 24' of 6" F. Tile in Place. Connect to 6" F. Tile in Place.	
39	9+89 Rt.													
	S-12-A	18"	Class 5 Pipe		24					0.58				
40	9+89 Lt.													
	S-12-A	12"	Class 5 Pipe		21					0.80				
41	10+53												Remove 30' of 12" C.M.P. in Place. Construct Inlet & Outlet	
	S-12-A	24"	Class 5 Pipe		39			860.01	859.10	3.75			Ditches.	
42	524+50	24"	Class 1 Pipe, 1-12"on 24"										Construct Inlet & Outlet Ditches.	
			"T", 1-6"on 24" "T"		141			860.43	859.02	2.50	25			
43	524+72		Std. Inlet Type E-7 &										Connect to Str. No. 42.	
		12"	Class 1 Pipe		21			861.44	860.24					
44	532+72		Std. Inlet Type E-7 &										Construct Outlet Ditch	
		12"	Class 1 Pipe	30°	76			854.30	854.02	0.29				
45	535+10 to	12"	Drain Tile, 1-45° Bend &										Remove 570' of 12" F. Tile & Headwall in Place. Connect to 12" F.	
	538+90 Lt.		1-12" on 12" "T"		486								Tile in Place on Lt. & to Str. No. 46.	
46	538+90	12"	R.C.,V.C.,C.I. or Conc. Pipe		198						16		Connect to Str. No. 45 on Left.	
47	537+05		Std. Inlet Type E-7 &										Construct Outlet Ditch.	
		12"	Class 1 Pipe, 1-6"on 12" "T"		84			852.43	841.98	0.64				
48	538+32	42"	Class 1 Pipe	30°	196			845.00	838.00	6.81	62	362	Deform Adjacent Paved Ditch to Form Inlet Apron. Constr. P. Anchor Lt. &	
													Std. Headwall - W, Wings Rt. Construct Inlet & Outlet Ditches.	
49	543+00		Std. Inlet Type E-7 &										Construct Outlet Ditch.	
		12"	Class 1 Pipe		69			855.39	855.11	0.29				
50	547+97	18"	Class 1 Pipe		141			857.95	856.85	0.58	19		Construct Inlet & Outlet Ditches	
51	548+10	6"	~~Conc. or V.C.~~ Sewer Pipe		201						10		Remove 201' of 5" F. Tile in Place. Connect to 5" F. Tile in Place.	
52	556+13	24"	Class 1 Pipe	10°	141			855.84	853.22	1.74	25		Construct Inlet & Outlet Ditches.	
53	556+20	6"	~~Conc. or V.C.~~ Sewer Pipe		192						9		Remove 192' of 6" F. Tile in Place. Connect to 6" F. Tile in Place.	
54	558+15		Std. Inlet Type E-7 &											
		12"	Class 1 Pipe		69			853.92	853.64	0.29			Construct Outlet Ditch.	
55	3+29 Rt.													
	S-13A-A	12"	Class 5 Pipe		42									
56	566+15		Std. Inlet Type E-7 &										Deform Adjacent Paved Ditch to Form Outlet Apron. Construct	
		12"	Class 5 Pipe		66			845.92	844.13	0.64			Outlet Ditch.	
57	567+90	24"	Class 1 Pipe	20°	150			840.99	840.64	3.75	26		Deform Adjacent Paved Ditch to Form Inlet Apron. Remove 12"	
													C.M.P. in Place on Rt. Construct Inlet & Outlet Ditches.	
58	7+59												Construct Inlet & Outlet Ditches.	
	S-13A-A	30"	Class 5 Pipe	20°	32			840.51	840.43	2.49	5			
59	568+10	24"	R.C.,V.C., C.I. or Conc. Pipe,										Remove 312' of 24" F. Tile & 1 Pipe Catch Basin in Place.	
			2-12" on 24" "T"s		312						37		Connect to 24" F. Tile in Place.	
60	568+10 Rt.		24" Pipe Catch Basin &										Connect to Str. No. 59.	
		12"	~~Conc. or V.C.~~ Sewer Pipe		6									
61	568+10 Lt.		24" Pipe Catch Basin &										Connect to Str. No. 59.	
		12"	~~Conc. or V.C.~~ Sewer Pipe		6									

STRUCTURE NUMBER	LOCATION	DESCRIPTION: SIZE	DESCRIPTION	SKEW	LENGTH "L"	HEIGHT "H"	WINGS "W"	FLOW LINE: UP STREAM ELEV.	FLOW LINE: DOWN STREAM ELEV.	CONCRETE CLASS "D" CU.YDS.	SPECIAL BORROW GRADE "B" CU.YDS.	REINFORCING STEEL LBS.	REMARKS	PLANS ON SHEET NO.
62	571+00		Std. Inlet Type E-7 &										Construct Outlet Ditch.	
		12"	Class 1 Pipe		63			841.58	841.30	0.64				
63	574+00	18"×11"	B.C.C.M. Pipe Arch		138			840.65	839.97	0.45			Construct Inlet & Outlet Ditches.	
64	577+50		Std. Inlet Type E-7 &										Construct Outlet Ditch.	
		12"	Class 1 Pipe	30°	81			839.52	839.24	0.29				
65	583+70 Lt.	6"	Drain Tile		78								Remove 78' of 5" F. Tile in Place. Connect to 5" F. Tile in Place	
													on Left. & Str. No. 66.	
66	583+70	6"	B.C.C.M. Pipe		250								Remove 250' of 5" F. Tile in Place. Connect to Strs. No. 65 & 67.	
67	583+70 Rt.	6"	Drain Tile		42								Remove 42' of 5" F. Tile in Place. Connect to 5" F. Tile in Place on	
													Right & to Str. No. 66.	
68	584+15	24	Class 1 Pipe		135			838.23	837.82	1.24			Construct Inlet & Outlet Ditches.	
69	584+92		Std. Inlet Type E-7 &										Construct Outlet Ditch.	
		12"	Class 1 Pipe		69			838.78	838.53	0.29				
70	585+23 Lt.	12"	B.C.C.M. Pipe		21					0.58				
71	585+23 &	12"	Class 5 Pipe		33									
72	585+23 Rt.	12"	Class 5 Pipe		21					0.58				
73	591+65		Std. Inlet Type E-7 &										Construct Outlet Ditch.	
		12"	Class 1 Pipe		69			838.38	838.10	0.29				
74	593+71	36"×22"	B.C.C.M. Pipe Arch		144			837.14	837.00	2.16			Construct Inlet & Outlet Ditches.	
75	595+86		Std. Inlet Type E-7 &										Construct Outlet Ditch.	
		12"	Class 1 Pipe		66			838.38	837.66	0.64				
76	602+42		Std. Inlet Type E-7 &										Construct Outlet Ditch.	
		12"	Class 1 Pipe		69			840.94	838.38	0.64				
77	609+38	30"	B.C.C.M. Pipe		144			840.55	839.25	5.78			Construct Inlet & Outlet Ditches.	
78	609+40 Lt.	8"	Drain Tile		96								Remove 96' of 8" F. Tile in Place. Connect to 8" F. Tile in Place	
													on Lt. & to Str. No. 79.	
79	609+40	8"	B.C.C.M. Pipe		196								Remove 196' of 8" F. Tile in Place. Connect to Strs. No. 78 & 80.	
80	609+40 Rt.	8"	Drain Tile		93								Remove 93' of 8" F. Tile in Place. Connect to 8" F. Tile in Place	
													on Rt. & to Str. No. 79.	
81	610+42		Std. Inlet Type E-7 &										Deform Adjacent Paved Ditch to Form Outlet Apron.	
		12"	Class 1 Pipe		72			849.03	844.92	0.64			Construct Outlet Ditch.	
82	625+00		Std. Inlet Type E-7										Deform Adjacent Paved Ditch to Form Outlet Apron. Construct	
		12"	Class 1 Pipe		69			849.25	847.12	0.29			Outlet Ditch.	
83	3+86												Construct Inlet & Outlet Ditches	
	S-15-A	18"	Class 5 Pipe		63			845.42	842.33	2.29				
84	6+14												Remove 27' of 12" C.M.P. in Place at Sta. 5+03. Construct Inlet	
	S-15-A	24"	Class 5 Pipe		54			845.02	844.76	3.75			& Outlet Ditches.	
85	7+46 Lt.													
	S-15-A	12"	Class 5 Pipe		21									
86	624+00	12"	Std. Inlet Type E-7 & Class 1 Pipe		69			844.47	841.11	0.64			Construct Outlet Ditch.	
87	625+00	30"	B.C.C.M. Pipe		134			840.90	840.56	5.78			Construct Inlet & Outlet Ditches.	
88	629+25		Std. Inlet Type E-7 &										Construct Outlet Ditch.	
		12"	Class 1 Pipe		69			842.75	840.08	0.64				
89	632+04	58"×36"	B.C.C.M. Pipe Arch		162			836.30	835.70	2.44			Construct Inlet & Outlet Ditches.	
90	632+40		Std. Inlet Type E-7 &										Construct Outlet Ditches.	
		12"	Class 1 Pipe		69			843.34	841.07	0.64				
91	640+20		Std. Inlet Type E-7 &										Construct Outlet Ditch.	
		12"	Class 1 Pipe, 1-6"on 12" "T"		69			845.68	845.40	0.29				
92	648+20	24"	B.C.C.M. Pipe, 1-6"on 24" "T"	20°	152			843.60	843.44	3.75			Construct Inlet & Outlet Ditches.	
93	648+20		Std. Inlet Type F-7 &										Connect to Str. No. 92.	
94	652+87	12"	B.C.C.M. Pipe		320								Remove 325' of 12" F. Tile in Place. Connect to 12" F. Tile in Place	
													on Lt. & to Str. No. 95.	
95	646+95 to												Remove 495' of 12" F. Tile in Place Connect to 12" F. Tile in Place on Rt.	
	651+37 Rt.	12"	Drain Tile		495								& to Str. No. 94.	
96	656+20		Std. Inlet Type E-7 &										Construct Outlet Ditch.	
		12"	Class 1 Pipe		69			850.48	850.07	0.29				
97	664+20	15"	Class 1 Pipe, 1-6"on 15" "T"	20°	147			852.74	852.35	0.69	16		Construct Inlet & Outlet Ditches.	
98	664+20		Std. Inlet Type F-7										Connect to Str. No. 97.	
99	672+20		Std. Inlet Type E-7 &										Construct Outlet Ditch	
		12"	Class 1 Pipe		69			855.28	855.00	0.29				
100	679+00	18"	B.C.C.M. Pipe		138			854.34	854.00	2.29	20		Construct Inlet & Outlet Ditches	
101	682+92		Std. Inlet Type E-7 &										Construct Outlet Ditch.	
		12"	Class 1 Pipe		66			857.81	856.29	0.29				
102	693+78		Std. Inlet Type E-7 &										Construct Outlet Ditch.	
		12"	Class 1 Pipe		63			853.99	853.70	0.29				
103	698+00		Std. Inlet Type E-7 &										Construct Outlet Ditch.	
		12"	Class 1 Pipe		63			852.22	851.72	0.29				
104	706+72		Std. Inlet Type E-7 &										Construct Outlet Ditch.	
		12"	Class 1 Pipe, 1-6"on 12" "T"		69			848.58	848.30	0.29				
105	710+50		Std. Inlet Type E-7 &										Construct Outlet Ditch.	
		12"	Class 1 Pipe		69			847.91	847.19	0.29				
106	711+80	6"	B.C.C.M. Pipe		444								Remove 444' of 6" F. Tile in Place. Connect to 6" F. Tile in	
													Place on Lt. & to Str. No. 107	
107	714+00 Rt.	6"	Drain Tile		76								Remove 76' of 6" F. Tile in Place. Connect to 6" F. Tile in Place on	
													Rt. & to Str. No. 106	
108	713+40	15"	B.C.C.M. Pipe		168			844.99	844.61	1.71			Construct Inlet & Outlet Ditches.	
109	717+65		Std. Inlet Type E-7 &										Construct Outlet Ditch.	
		12"	Class 1 Pipe		69			849.67	846.60	0.64				
110	718+40	30"	B.C.C.M. Pipe		154			842.19	841.81	5.78			Remove 32' of 12" C.M.P. in Place on Rt. Opp. Sta. 725+31. Construct	
													Inlet & Outlet Ditches.	
111	718+05 Rt.	10"	Drain Tile		111								Remove 111' of 10" F. Tile in Place. Connect to 10" F. Tile in Place.	
													on Rt.	
112	731+35	8"	~~Conc. or V.C.~~ Sewer Pipe		225						12		Remove 350' of 6" & 8" F. Tile in Place. Connect to 6" F. Tile on Rt.	
													& 8" F. Tile on Lt.	
113	731+81	30"	Class 1 Pipe	15°	142			846.69	846.34	5.78	32		Construct Inlet & Outlet Ditches.	
114	733+80		Std. Inlet Type E-7 &										Construct Outlet Ditch.	
		12"	Class 1 Pipe		66			849.28	848.17	0.64				
115	741+30	24"	R.C., V.C., C.I. or Conc. Pipe,										Remove 20' of 8", 20' of 15", 40' of 10" F. Tiles & Conc. Headwalls in	
			1-8"on 24" "T", 1-15"on 24" "T",										Place. Connect to Existing in Place 8", 10", 15" F. Tiles on Lt. &	
			2-10 on 24" "T"s, 1-24" on 24"										Construct Headwall in Combination with Pipe Anchor of Str.	
			"T", 1-24" to 6" Reducer		492					1.88	50		No. 117 on Rt.	
116	741+30 Lt.												Remove 280' of 6" F. Tile in Place. Connect to 6" F. Tile in Place	
	743+30 Rt.	6"	Drain Tile, 1-45° Bend		207								on Lt. & to Str. No. 115.	
117	741+35	42"	Class 1 Pipe		160			846.56	844.00	2.5	51		Construct Inlet & Outlet Ditches.	
118	741+80		Std. Inlet Type E-7 &										Construct Outlet Ditch.	
		12"	Class 1 Pipe		78			847.30	844.61	0.29				

MAY 1957

F. PROJ.	LINE	SHEET	FILE
870(12)	A	25	

STRUCTURE DATA

FEDERAL ROAD REGION NO.	STATE	F PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	870(12)	1959	26	26

STRUCTURE NUMBER	LOCATION	DESCRIPTION SIZE	DESCRIPTION	SKEW	LENGTH "L"	HEIGHT "H"	WINGS "W"	FLOW LINE UP STREAM ELEV.	FLOW LINE DOWN STREAM ELEV.	CONCRETE CLASS "D" CU.YDS.	SPECIAL BORROW GRADE "B" CU.YDS.	REINFORCING STEEL LBS.	REMARKS	PLANS ON SHEET NO.
119	748+85		Std. Inlet Type E-7 &										Construct Outlet Ditch.	
		12"	Class 1 Pipe		69			849.05	848.67	0.29				
120	756+85		Std. Inlet Type E-7 &										Construct Outlet Ditch.	
		12"	Class 1 Pipe		69			851.77	851.09	0.29				
121	10+86 Rt.												Remove 4" F. Tile in Place.	
	S-1-S-18-A	12"	Class 5 Pipe		21					0.58				
122	760+00	15"	Class 1 Pipe, 1-6"on 15""T"		141			853.11	852.03	0.69	16		Remove 12" C.M.P. in Place on Rt. Opp. Sta. 762+46. Construct Inlet & Outlet Ditches.	
123	2+78												Construct Inlet & Outlet Ditches.	
	S-18N-A	36"x22"	B.C.C.M. Pipe Arch		42			853.90	853.80	1.71	5			
124	6+16 Rt.												Remove 20' of 6" C.I.P. in Place on Rt.	
	S-18S-A	12"	Class 5 Pipe		21					0.58				
125	767+33		Std. Inlet Type E-7 &										Construct Outlet Ditch.	
		12"	Class 1 Pipe		75			855.14	853.28	0.29				
126	768+00	36"	Class 1 Pipe, 1-6"on 36""T"		140			852.97	852.60	4.12	39		Construct Inlet & Outlet Ditches.	

STRUCTURE NUMBER	LOCATION	DESCRIPTION SIZE	DESCRIPTION	SKEW	LENGTH "L"	HEIGHT "H"	WINGS "W"	FLOW LINE UP STREAM ELEV.	FLOW LINE DOWN STREAM ELEV.	CONCRETE CLASS "D" CU.YDS.	SPECIAL BORROW GRADE "B" CU.YDS.	REINFORCING STEEL LBS.	REMARKS	PLANS ON SHEET NO.

MAY 1957

F PROJ.	LINE	SHEET	FILE
870(12)	A	26	