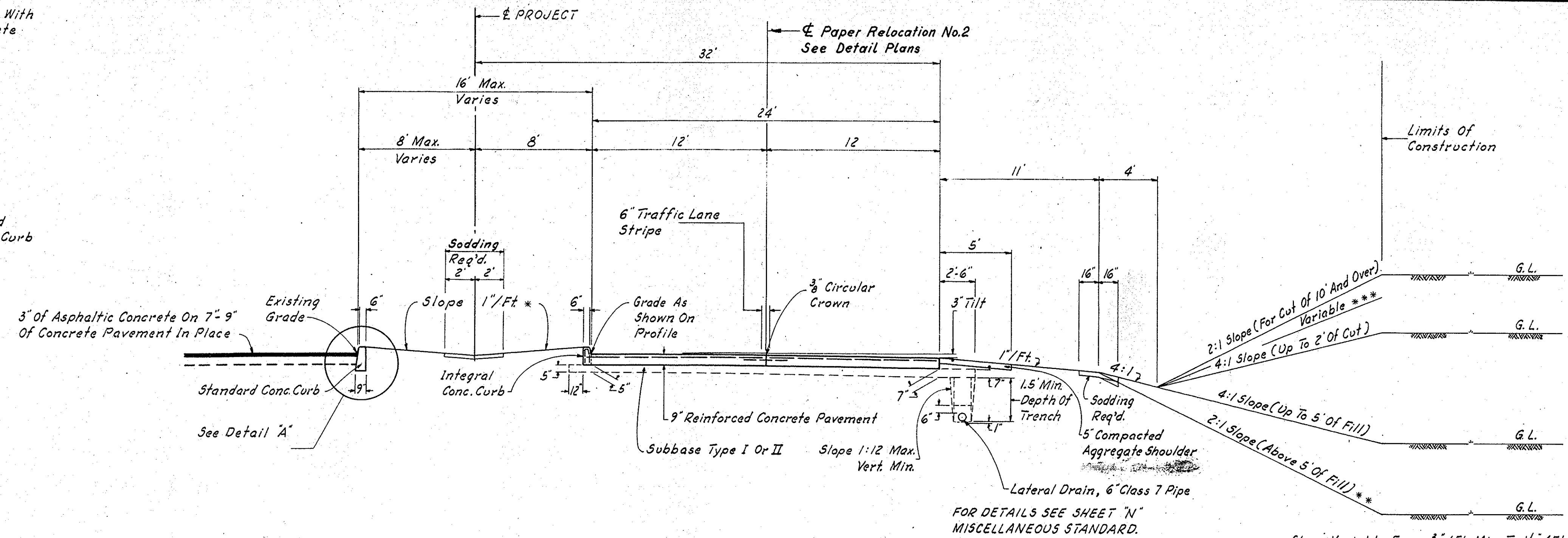
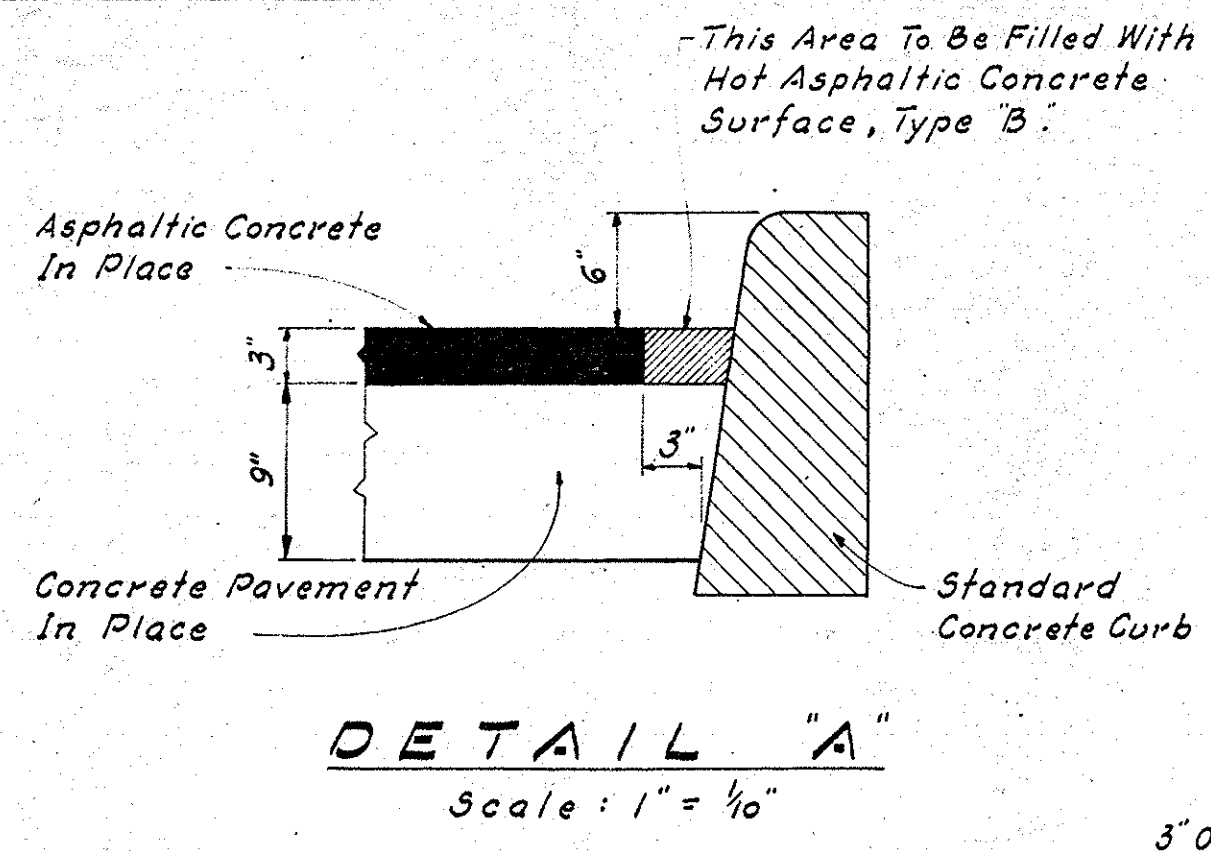
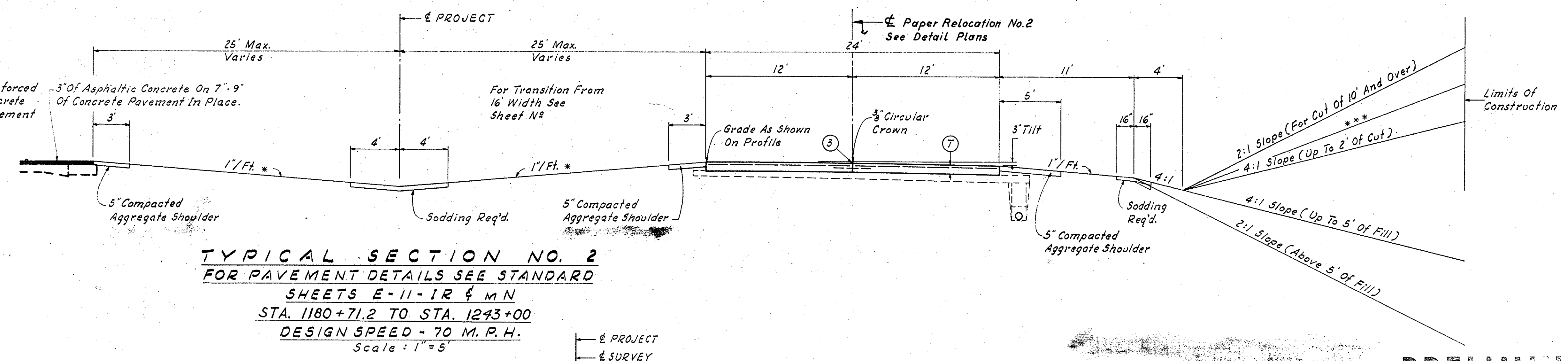
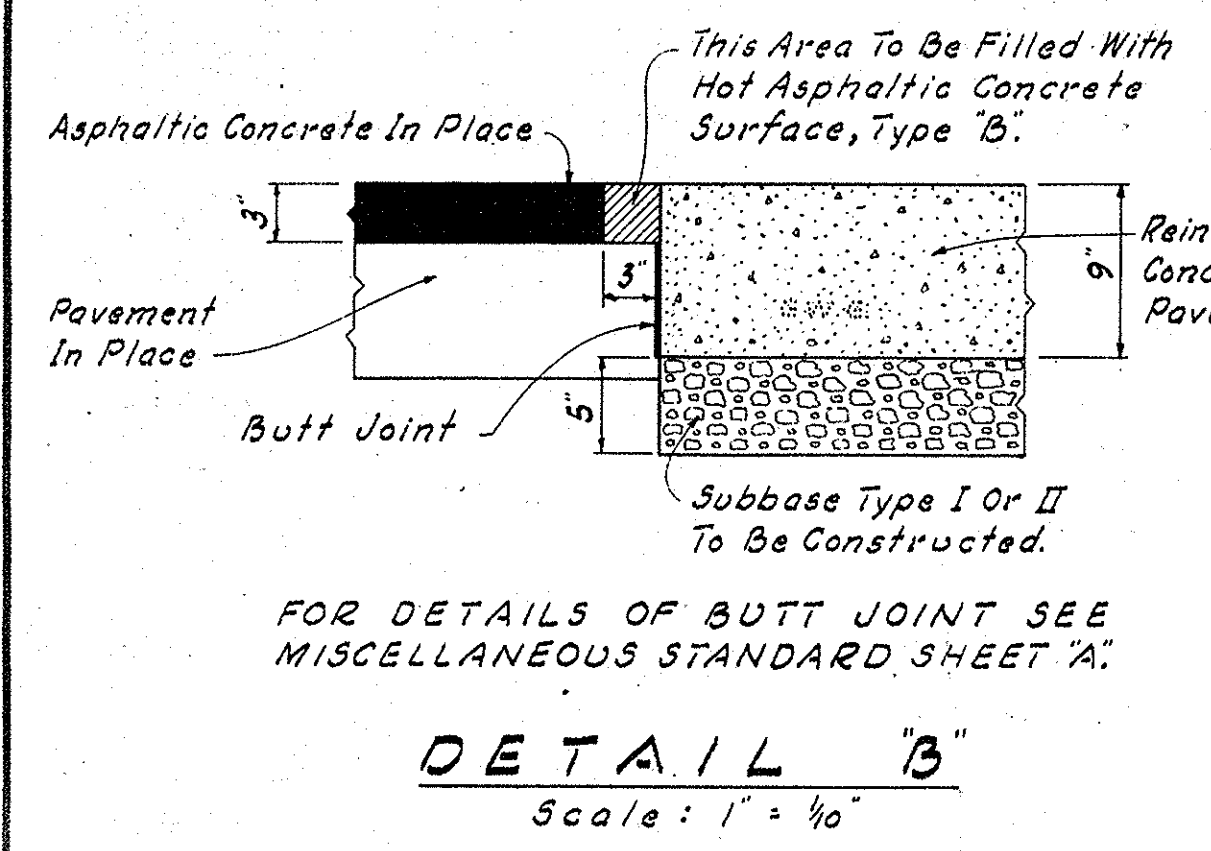


FEDERAL ROAD DIVISION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	F83(21)	1960	2	44

1250

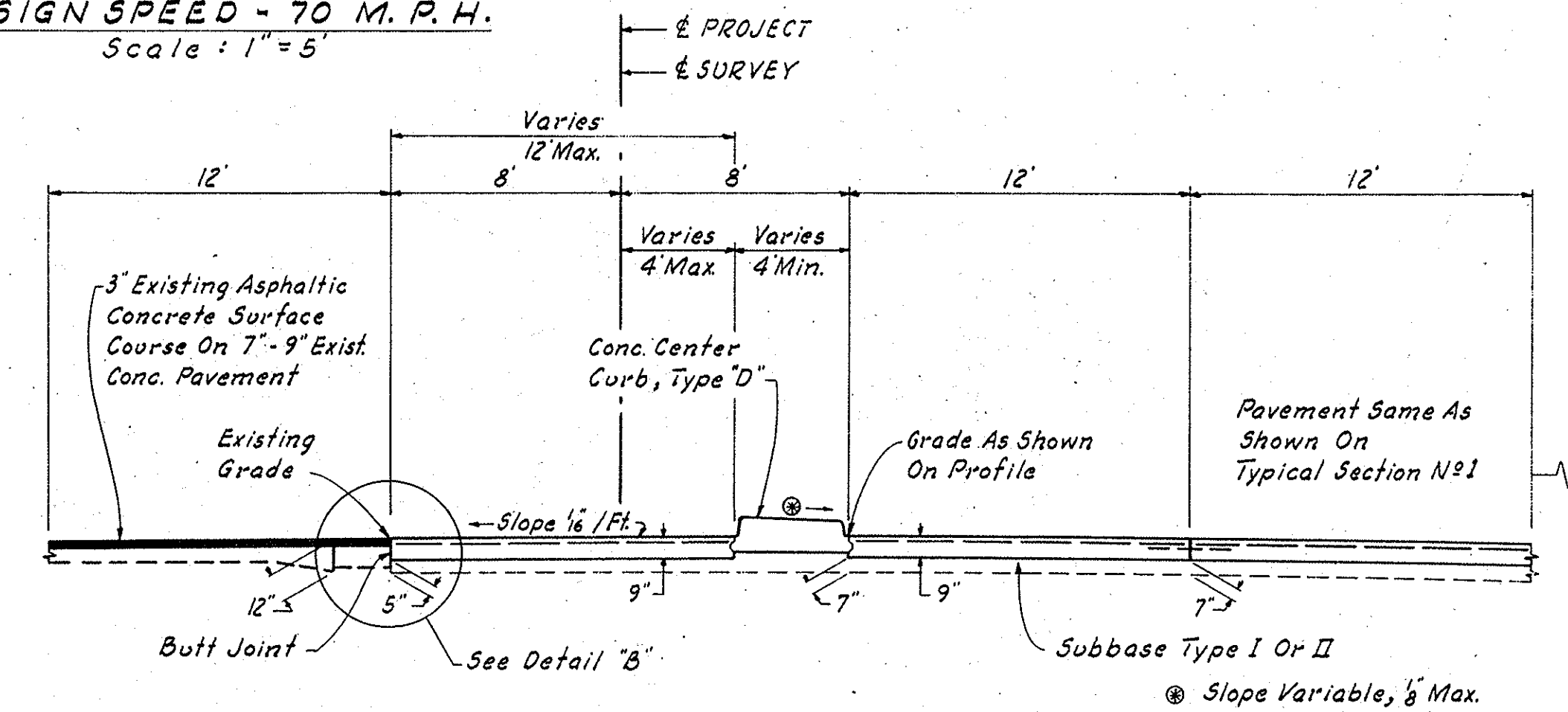
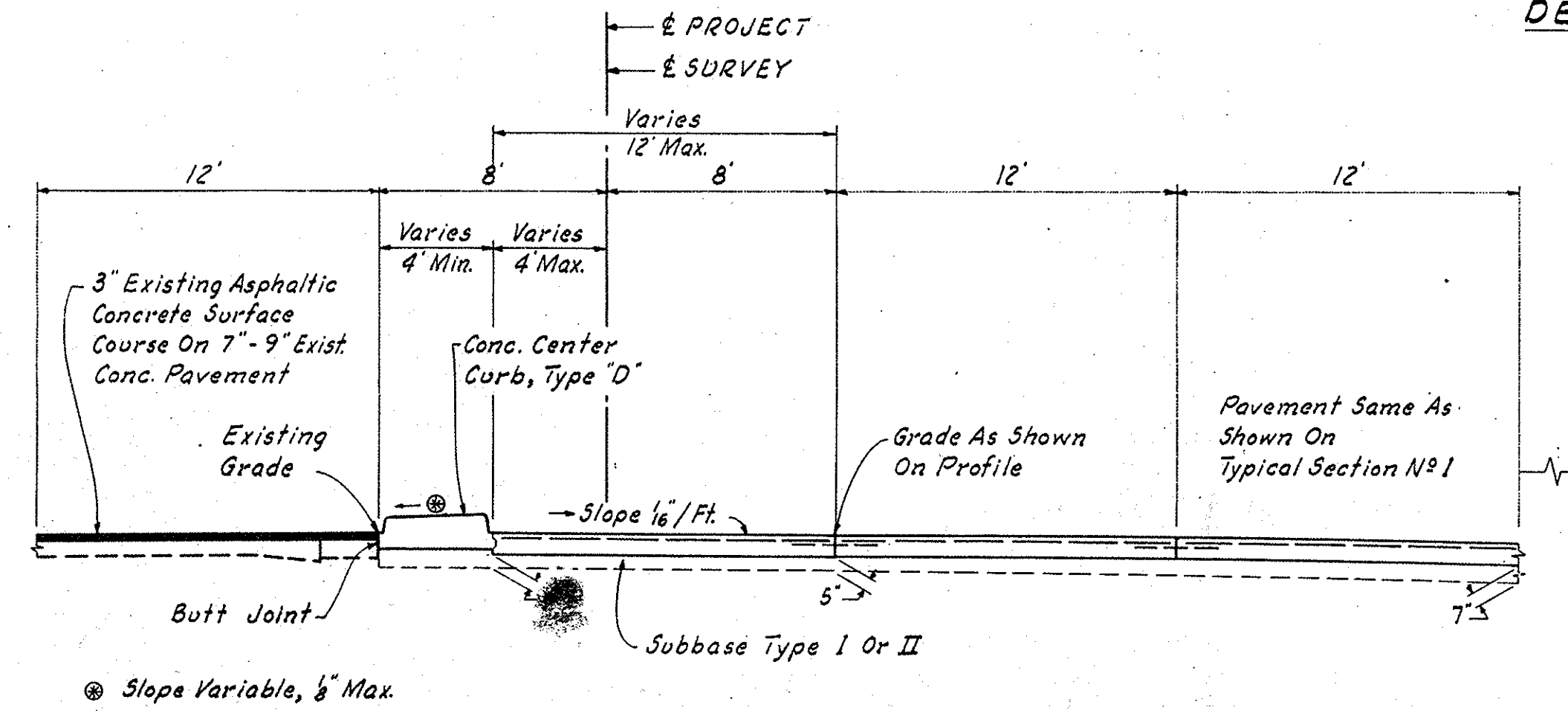


- * Slope Variable From 3/4" / Ft. Min. To 1 1/2" / Ft. Max. Where Center Ditch Grades Are Shown On Profile.
 - ** Where 2:1 Slope Is Required, That Slope Should Be Continued Throughout The Fill.
 - *** Variable From Ditch Line To A Point 3' From 9/16" Line (Cut 2' To 10')
- Cut To Be Difference In Elevation Between Ditch Line And Original Ground Line.



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MACCABE, CAMPBELL & ACCOR
73 W. MADISON ST. CHICAGO 2, ILL.

- LEGEND**
- ⊙ Longitudinal Joint.
 - ⊙ Normal Pavement Depth, 9".

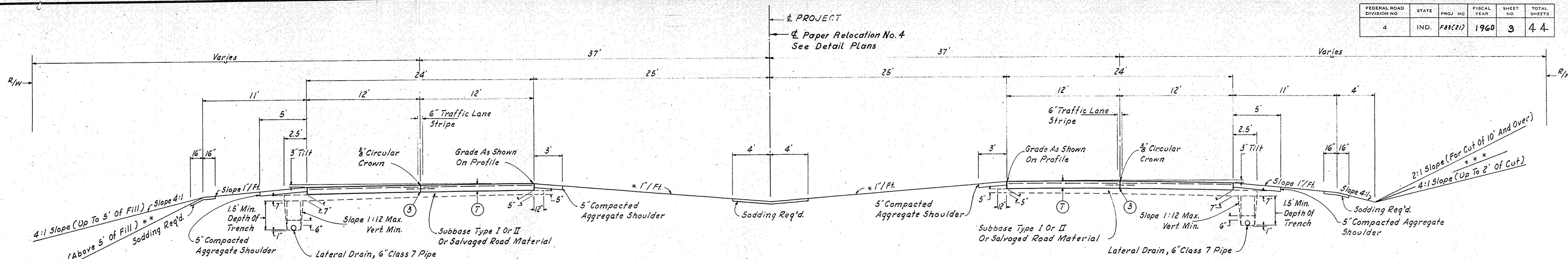


TYPICAL CROSS SECTIONS

SCALE: As Shown

APPROVED _____ CHIEF ENGINEER - STATE HIGHWAY DEPARTMENT OF INDIANA
RECOMMENDED FOR APPROVAL _____
APPROVED _____ CHAIRMAN - STATE HIGHWAY DEPARTMENT OF INDIANA
ENGINEER OF ROAD DESIGN, STATE HIGHWAY DEPARTMENT OF INDIANA

FEDERAL ROAD DIVISION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	F81(21)	1960	3	44

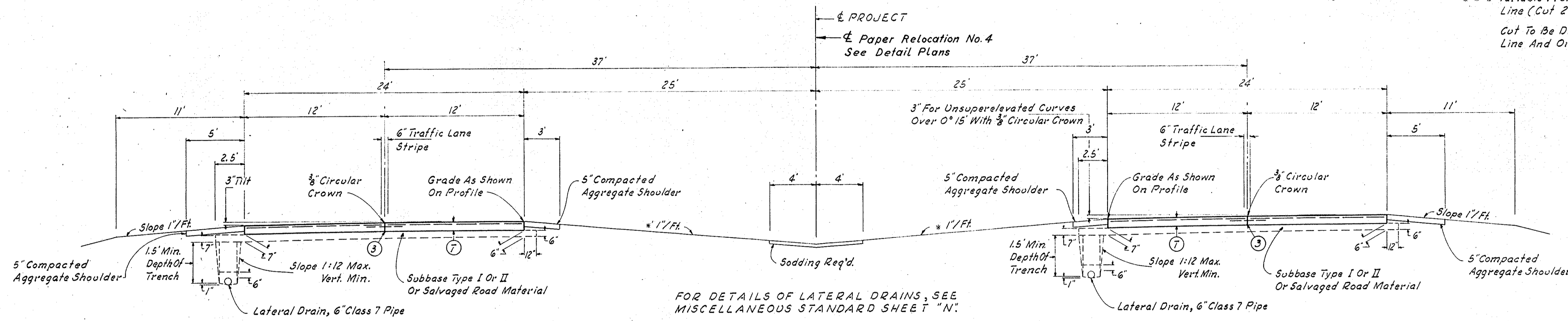


TYPICAL SECTION NO. 3
 FOR PAVEMENT DETAILS SEE STANDARD SHEETS E-11-1R & MN
 STA. 1243 + 00 TO STA. 1336 + 50
 DESIGN SPEED - 70 M. P. H.
 Scale: 1" = 5'

FOR DETAILS OF LATERAL DRAIN, SEE MISCELLANEOUS STANDARD SHEET "N".

FOR DETAILS OF LATERAL DRAIN, SEE MISCELLANEOUS STANDARD SHEET "N".

- * Slope Variable From 3/4" / Ft. Min. To 1 1/2" / Ft. Max. Where Center Ditch Grades Are Shown On Profile.
- ** Where Any Part Of A Fill Requires A 2:1 Slope That Slope Shall Be Continued Throughout The Fill On That Side.
- *** Variable From Ditch Line To A Point 3' From R/W Line (Cut 2' To 10')
 Cut To Be Difference In Elevation Between Ditch Line And Original Ground Line

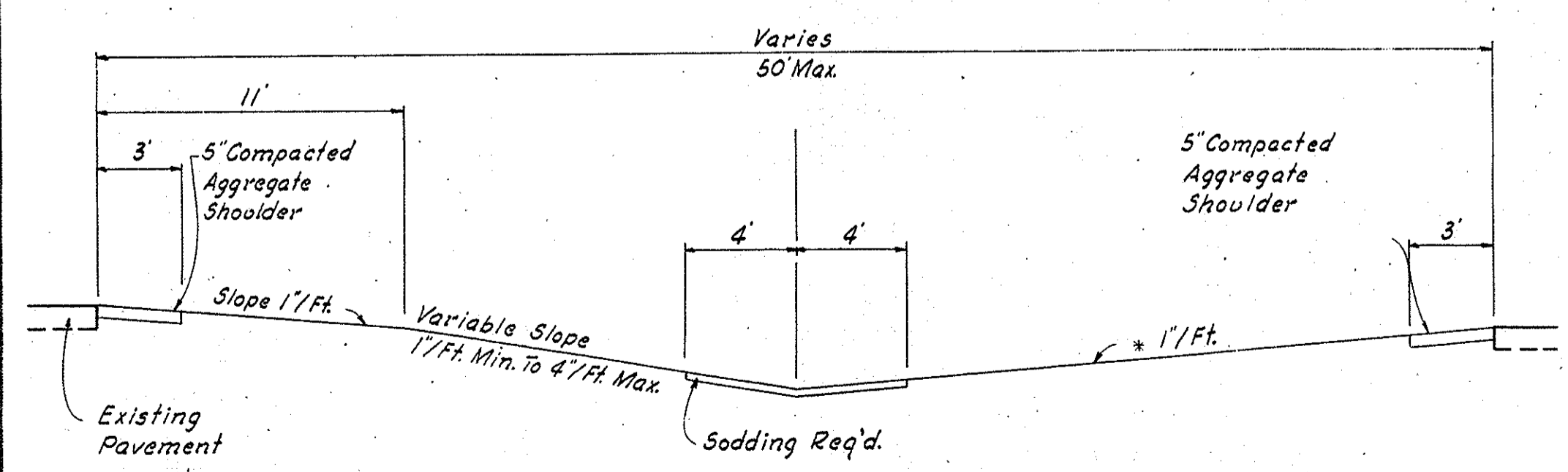


TYPICAL SECTION FOR SUPERELEVATED RIGHT ROADWAY - LEFT CURVE
 REVERSE TILT ON LEFT ROADWAY FOR RIGHT CURVE SUPERELEVATION
 FOR PAVEMENT DETAILS SEE TYPICAL SECTION NO. 4
 STA. 1271 + 83.8 TO STA. 1279 + 94.7
 STA. 1284 + 36.6 TO STA. 1293 + 63.7
 STA. 1302 + 05.47 TO STA. 1324 + 45.47
 Scale: 1" = 5'

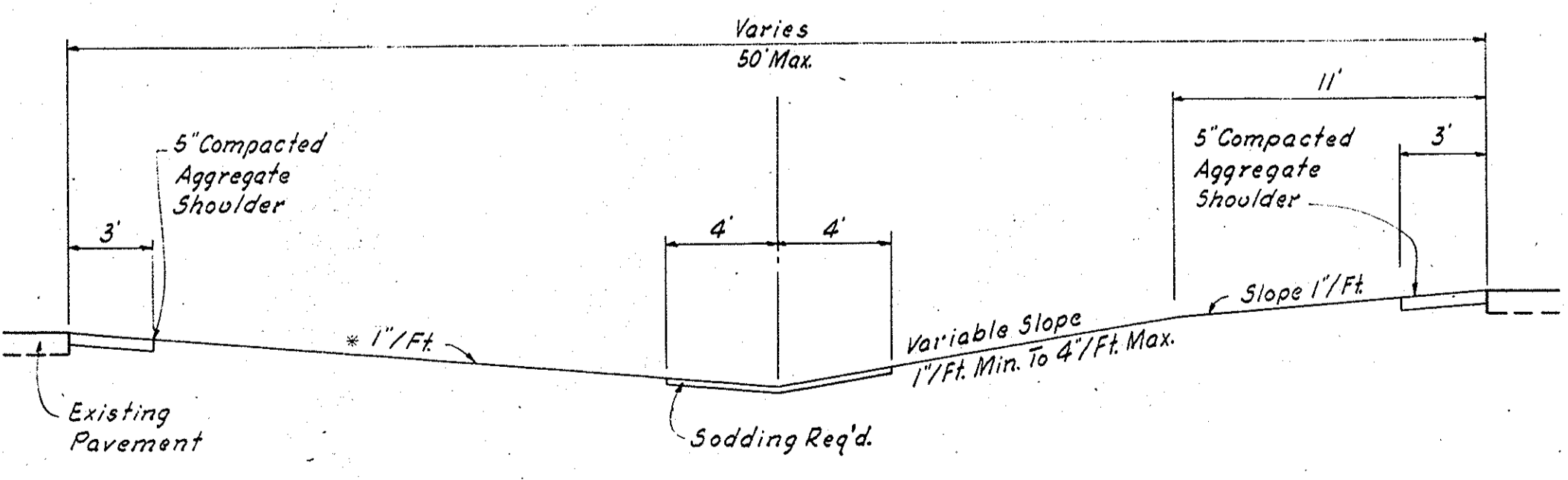
FOR DETAILS OF LATERAL DRAINS, SEE MISCELLANEOUS STANDARD SHEET "N".

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 73 W. MADISON ST. CHICAGO 2, ILL.

- LEGEND**
- (3) Longitudinal Joint
 - (T) Normal Pavement Depth, 9".



CENTER DITCH DETAIL FOR TYPICAL SECTION NO. 2
 HIGH PAVEMENT ON LEFT
 Scale: 1" = 5'



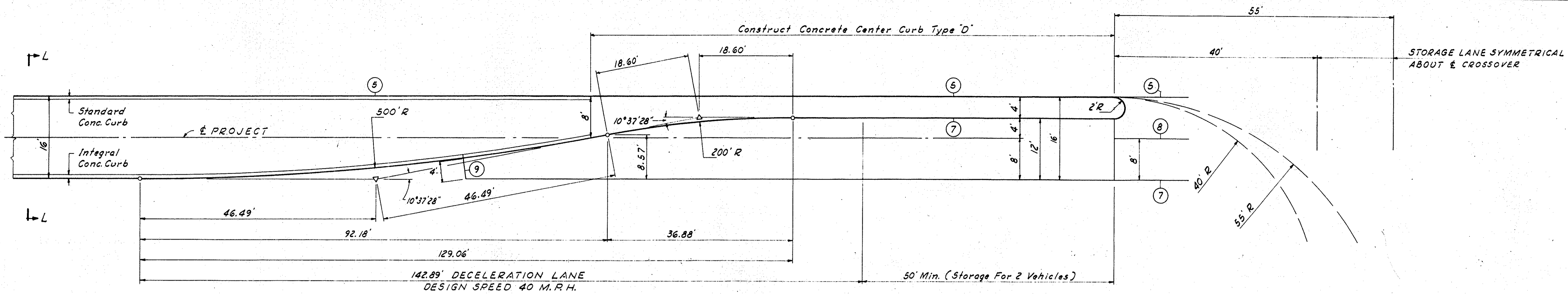
CENTER DITCH DETAIL FOR TYPICAL SECTION NO. 2
 HIGH PAVEMENT ON RIGHT
 Scale: 1" = 5'

TYPICAL CROSS SECTIONS

SCALE: 1" = 5'

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

FEDERAL ROAD DIVISION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	F 83 (20)	1960	4	44

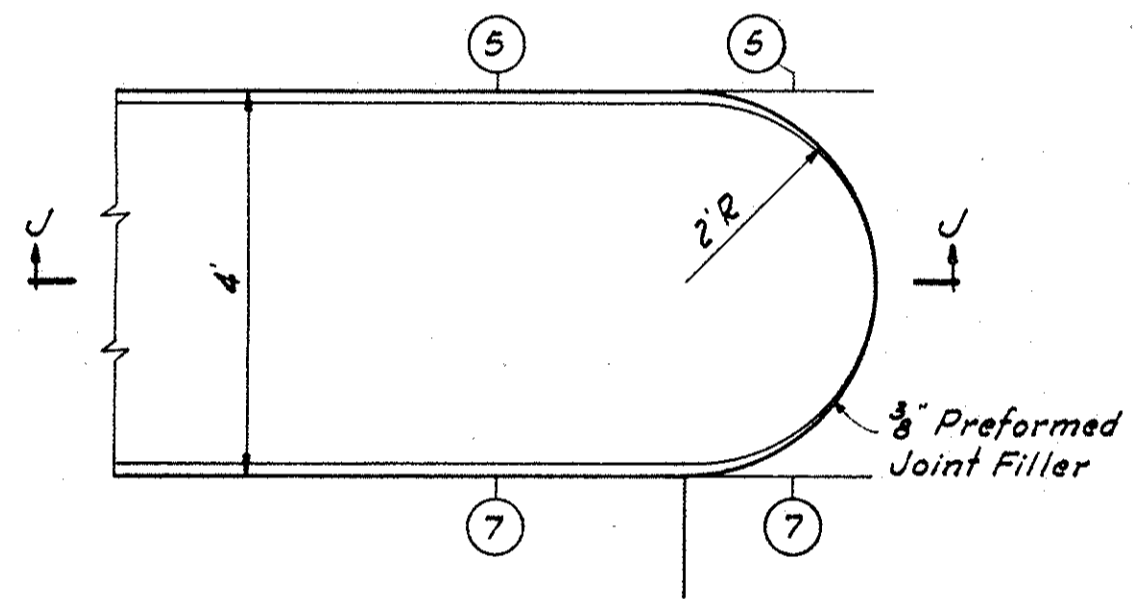


MEDIAN STORAGE LANE TO BE USED AT DESIGNATED CROSSOVER

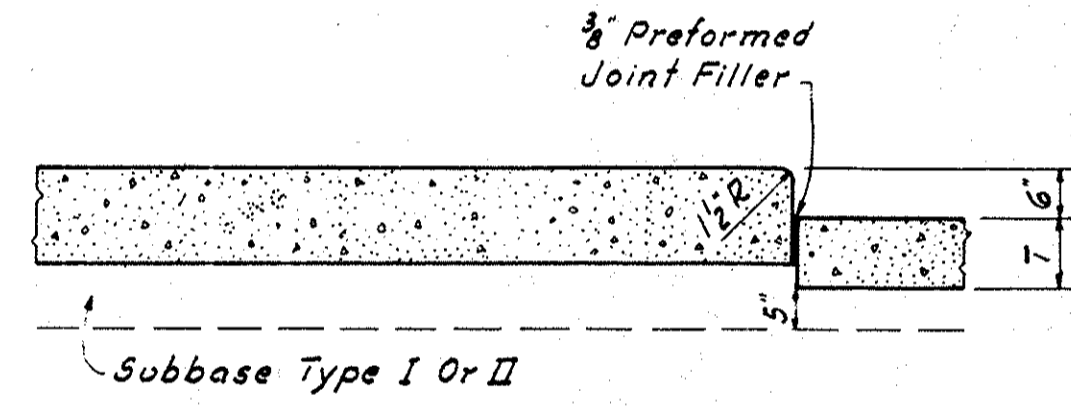
SEE DETAIL SHEETS FOR LOCATION AND STORAGE LENGTH
SCALE: 1" = 10'

LEGEND

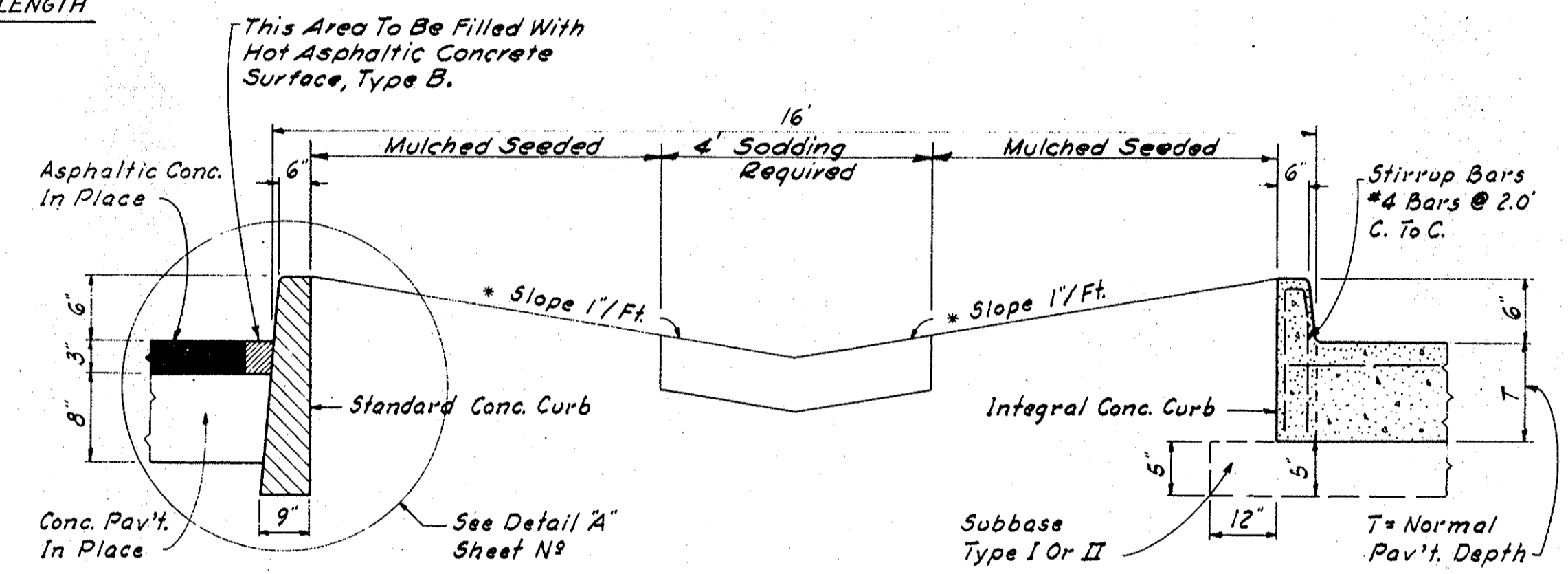
- ③ Longitudinal Joint
- ⑤ Butt Joint
- ⑦ Keyway Joint
- ⑧ 1" Preformed Expansion Joint With Load Transfer
- ⑨ 1" Preformed Joint Filler
- ⑦ Normal Pavement Depth



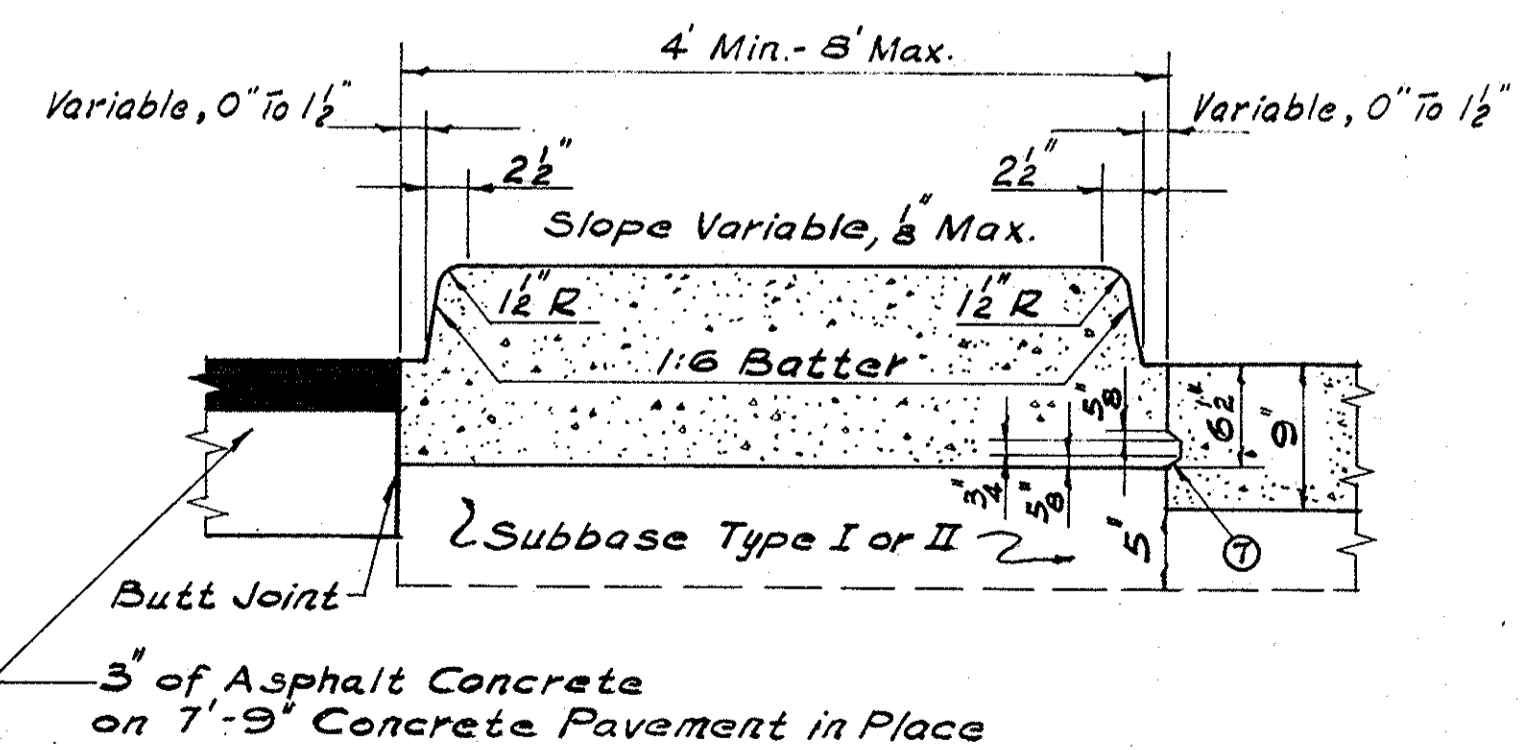
PLAN OF CENTER CURB TYPE "D"
Scale: 1/2" = 1'



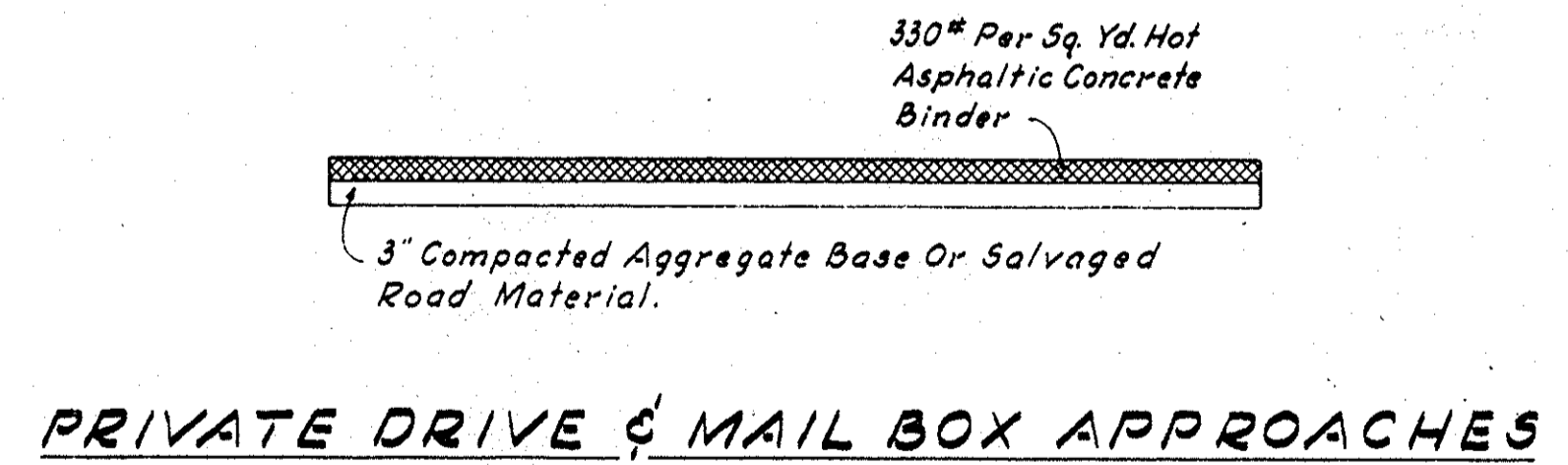
SECTION J - J
Scale: 1/2" = 1'



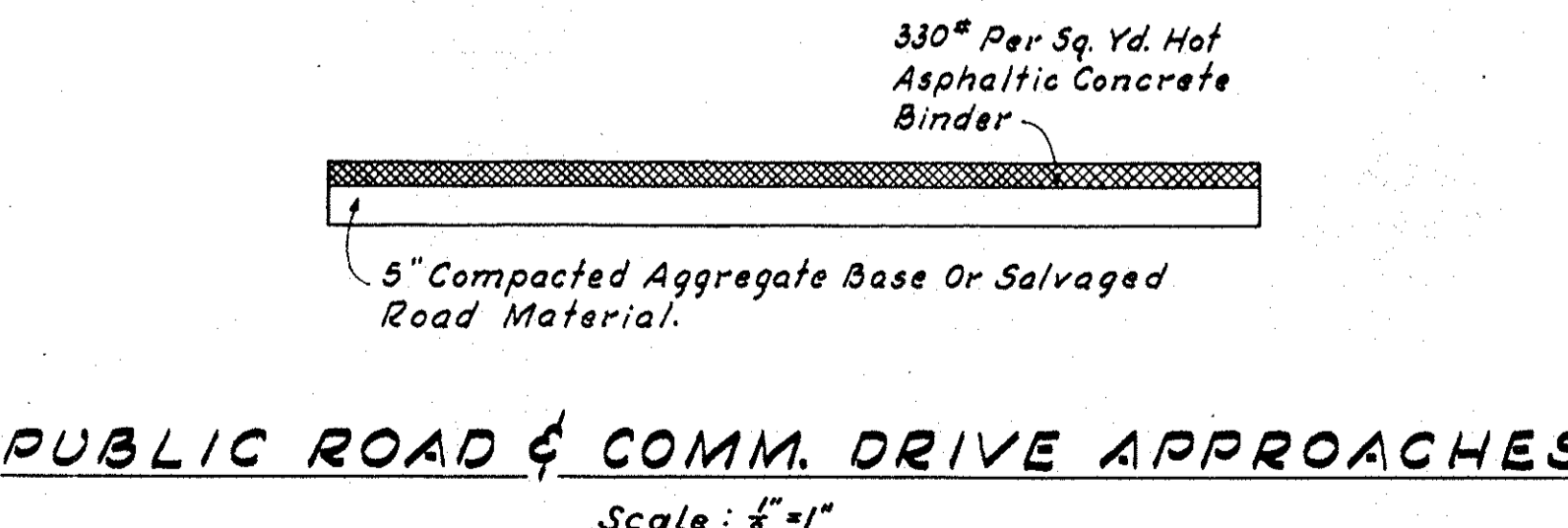
SECTION L - L
Scale: 1" = 2" Horiz., 1" = 1" Vert.



CONCRETE CENTER CURB TYPE "D"
Scale: 1" = 1'



PRIVATE DRIVE & MAIL BOX APPROACHES
Scale: 1/2" = 1'



PUBLIC ROAD & COMM. DRIVE APPROACHES
Scale: 1/2" = 1'

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MACCABEE, CAMPBELL & ASSOC.
173 W. MADISON ST. CHICAGO 2, ILL.

TYPICAL CROSS SECTIONS

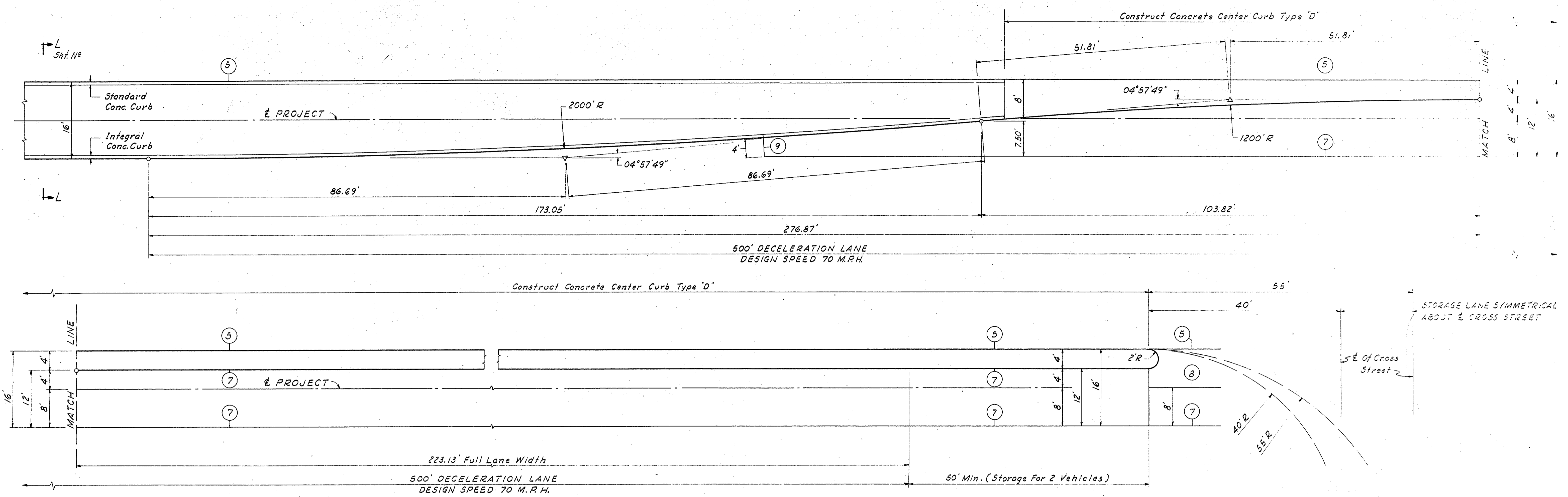
SCALE: As Shown

APPROVED _____
CHIEF ENGINEER, STATE HIGHWAY DEPARTMENT OF INDIANA

RECOMMENDED FOR APPROVAL _____

APPROVED _____
CHAIRMAN, STATE HIGHWAY DEPARTMENT OF INDIANA

ENGINEER OF ROAD DESIGN, STATE HIGHWAY DEPARTMENT OF INDIANA



MEDIAN STORAGE LANE TO BE USED AT DESIGNATED INTERSECTION

SEE DETAIL SHEETS FOR LOCATION AND STORAGE LENGTH
SCALE: 1"=10'

LEGEND

- 5 Butt Joint
- 7 Keyway Joint
- 8 1" Preformed Expansion Joint With Load Transfer
- 9 1" Preformed Joint Filler
- 7 Normal Pavement Depth

Where Any Part Of A Fill Requires A 2:1 Slope That Slope Shall Be Continued Throughout The Fill On That Side.
Variable From Ditch Line To A Point 3' From R/W Line (Cut 2' To 10')
Cut To Be Difference In Elevation Between Ditch Line And Original Ground Line.

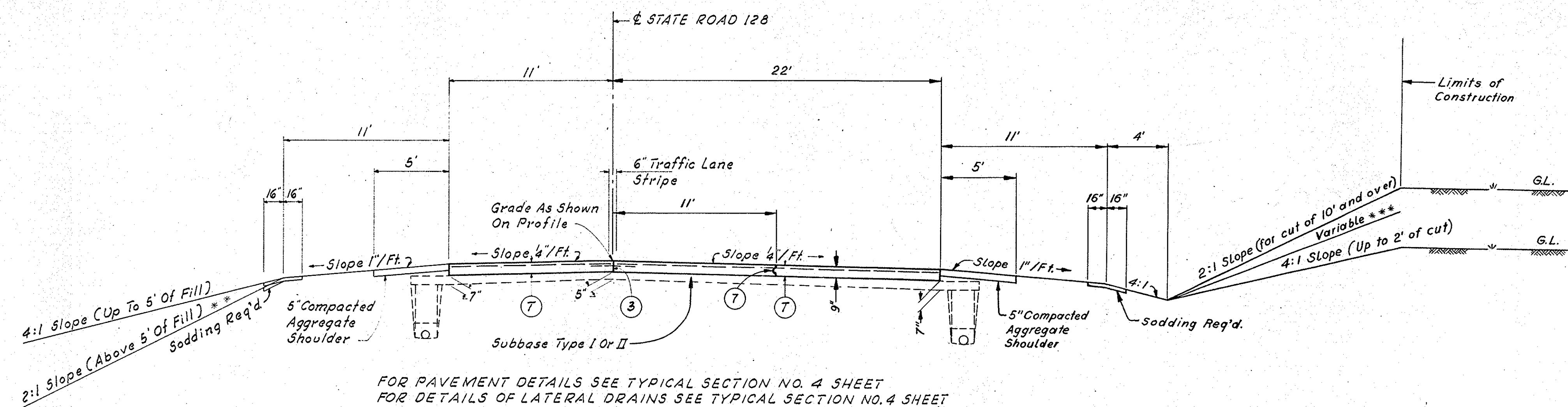
PRELIMINARY PRINT
MACCABEE, CAMPBELL & ASSOC.
173 W. MADISON ST. CHICAGO 2, ILL.

TYPICAL CROSS SECTIONS

SCALE: AS SHOWN

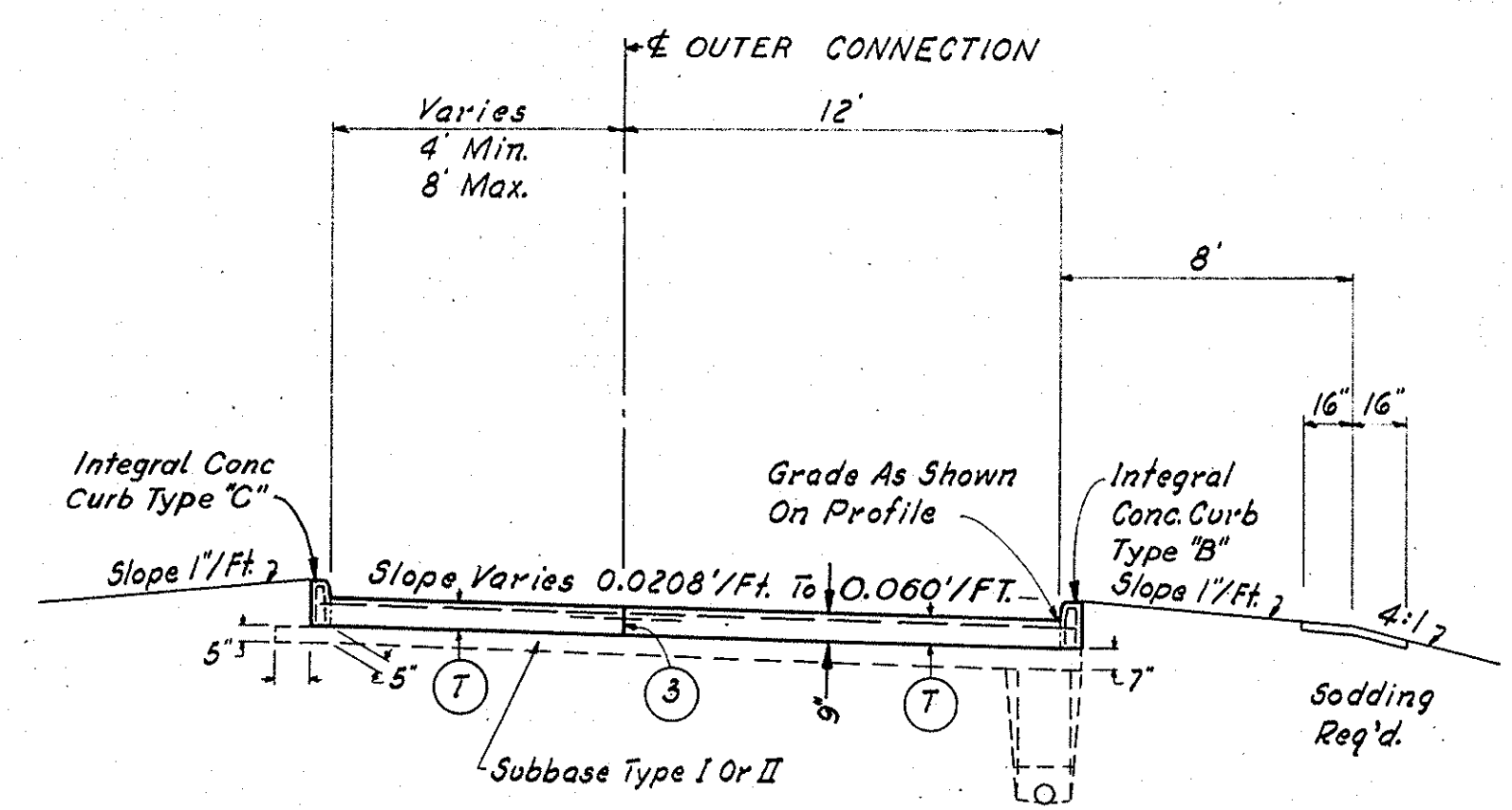
APPROVED CHIEF ENGINEER - STATE HIGHWAY DEPARTMENT OF INDIANA
RECOMMENDED FOR APPROVAL
APPROVED CHAIRMAN - STATE HIGHWAY DEPARTMENT OF INDIANA
ENGINEER OF ROAD DESIGN - STATE HIGHWAY DEPARTMENT OF INDIANA

FEDERAL ROAD DIVISION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	F83(2)	1960	6	44



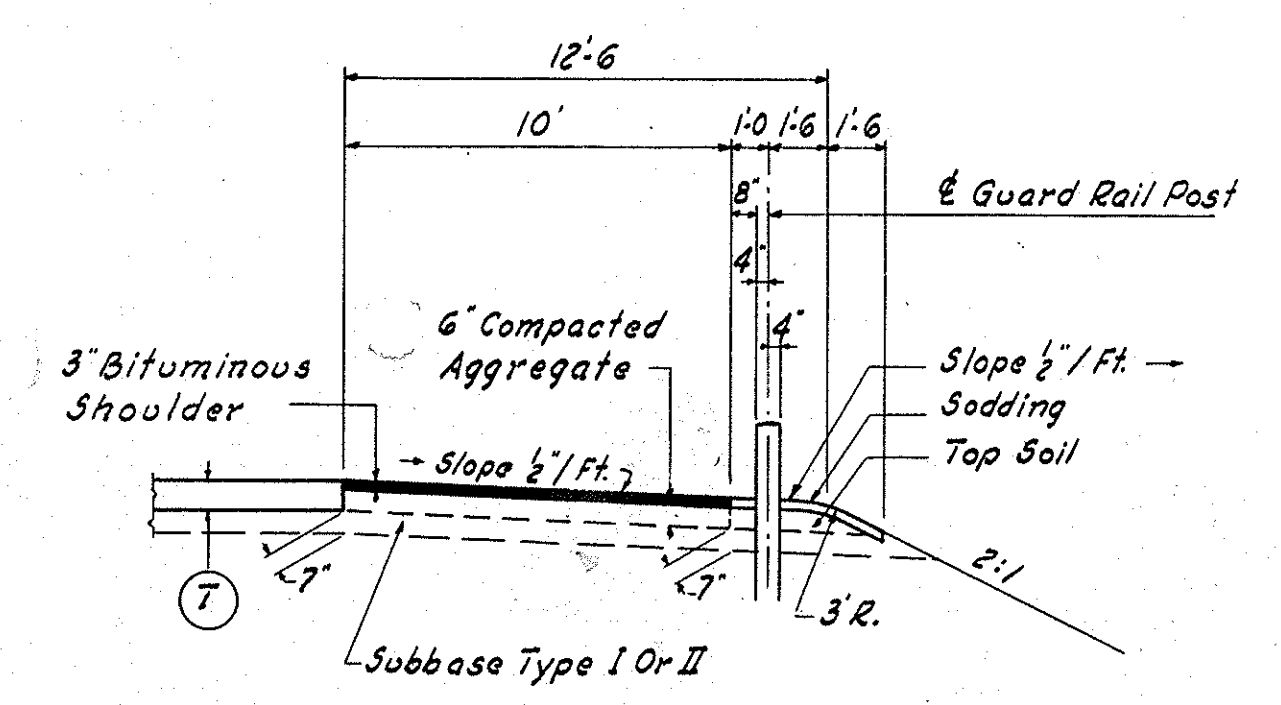
TYPICAL SECTION FOR STATE ROAD 128

Scale: 1" = 5'



TYPICAL SECTION FOR OUTER CONNECTION AT STATE ROAD 9 & STATE ROAD 109

Scale: 1" = 5'



DETAIL OF SECTION ACROSS PAVED SHOULDER
STA. 1164+05 TO STA. 1172+55

Scale: 1" = 5'

PRELIMINARY PRINT

MACCABEE, CAMPBELL & ASSOC.
173 W. MADISON ST. CHICAGO 2, ILL.

LEGEND

- ③ Longitudinal Joint
- ⑦ Normal Pavement Depth
- ⑦ Keyway Joint

** Where Any Part of a Fill Requires a 2:1 Slope That Slope Shall Be Continued Throughout the Fill on That Side.

*** Variable from Ditch Line to a point 3' from R/W Line (Cut 2' to 10')

Cut To Be Difference in Elevation Between Ditch Line and Original Ground Line.

TYPICAL CROSS SECTIONS

SCALE: AS SHOWN

APPROVED _____
CHIEF ENGINEER - STATE HIGHWAY DEPARTMENT OF INDIANA

RECOMMENDED FOR APPROVAL _____

APPROVED _____
CHAIRMAN - STATE HIGHWAY DEPARTMENT OF INDIANA

ENGINEER OF ROAD DESIGN, STATE HIGHWAY DEPARTMENT OF INDIANA

GENERAL NOTES:

1. STANDARD CROSS SECTION E-II-IR ADOPTED JULY 1953 AS SHOWN ON SHEET NO. 2 TO BE USED ON THIS PROJECT
2. TYPICAL CROSS SECTIONS AS SHOWN ON SHEETS NO. TO BE USED ON THIS PROJECT
3. STATE HIGHWAY COMMISSION OF INDIANA STANDARD SPECIFICATIONS DATED 1957 TO BE USED WITH THESE PLANS.
4. STANDARDS UNDER DATES AS LISTED IN INDEX ON TITLE SHEET TO BE USED ON THIS PROJECT.
5. GRADE LINE AS SHOWN ON PROFILE REPRESENTS TOP OF FINISHED SURFACE.
6. ALL DITCHES OF 1% AND OVER SHALL BE SODDED EXCEPT WHERE DITCH IS IN ROCK CUT OR WHERE PAVED SIDE DITCH IS TO BE CONSTRUCTED.
7. ALL SHOULDERS, CUT AND FILL SLOPES SHALL BE PLAIN OR MULCHED SEEDED EXCEPT WHERE SODDING IS SPECIFIED.
8. SHOULDERS ARE TO BE SODDED AS SHOWN ON MISCELLANEOUS STANDARD SHEET "B".
9. SODDING SHALL BE PLACED ALONG PAVED SIDE DITCH AS SHOWN ON MISCELLANEOUS STANDARD SHEET E.
10. EXCAVATION QUANTITIES AS SHOWN ON PLAN AND PROFILE SHEETS INCLUDE ESTIMATED EXCAVATION FOR PRIVATE AND PUBLIC APPROACHES. (SEE TABLE ON SHEET NO.
11. PAPER RELOCATIONS TO BE CROSS-SECTIONED BY THE PROJECT ENGINEER BEFORE CONSTRUCTION.
12. FOR KINDS OF PIPE PERMITTED FOR EACH SIZE AND CLASSIFICATION AS SHOWN IN STRUCTURE NOTES, SEE MISCELLANEOUS STANDARD SHEET "P".
13. CONTRACTION JOINTS SHALL BE PLACED AT THE BEGINNING AND END OF ALL RADII AT STREET AND ALLEY INTERSECTIONS.
14. CONTRACTION JOINTS SHALL BE PLACED AT ALL MANHOLES WITHIN PAVEMENT LIMITS.
15. CURVES OF 1" AND OVER SHALL BE SUPERELEVATED ACCORDING TO THE STANDARDS OF 1932, OR AS DESIGNATED.
16. COUNTY ROADS TO BE TURNED BACK TO COUNTY BEYOND R/W MARKERS AS SHOWN ON PLANS.
17. ALL CURVES ON F PROJECT OVER 0° 15' AND LESS THAN 1° 00' SHALL HAVE REVERSE TILT WHERE DESIGNATED.
18. SUCH PART OF EXISTING DOWNSPOUT DRAINS THAT ARE DISTURBED BY REPLACING THE CURB SHALL BE REPLACED AND CONNECTED AS DIRECTED BY THE ENGINEER. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR
19. QUANTITIES FOR PIPE CULVERT HEADWALLS ARE BASED ON USING STD. HEADWALLS FOR RETAINING 2:1 SLOPE AND PRIVATE DRIVE HEADWALLS FOR RETAINING 4:1 SLOPES.

PUBLIC UTILITIES

UTILITY	OWNER	ADDRESS
ELECTRIC	MUNICIPAL LIGHT AND POWER CO.	STA. 1057+00 TO STA. 1139+05 128 E. 8 TH ST., ANDERSON, INDIANA
ELECTRIC TELEPHONE CO.	IND. & MICH. ELECTRIC CO.	STA. 1139+05 TO STA. 1262+00, ELWOOD, IND. INDIANAPOLIS, INDIANA.
8" OIL LINE	IND. BELL TELEPHONE CO.	DIXIE HWY. & BUCKEYE RD. LIMA, OHIO
8" OIL LINE	BUCKEYE PIPE LINE CO.	8500 N. MICHIGAN RD., INDIANAPOLIS, IND.
8" OIL LINE	SHELL OIL CO.	

PROJECT NO.	DATE	SCALE	BY	CHECKED
F83(21)	1960		7	44

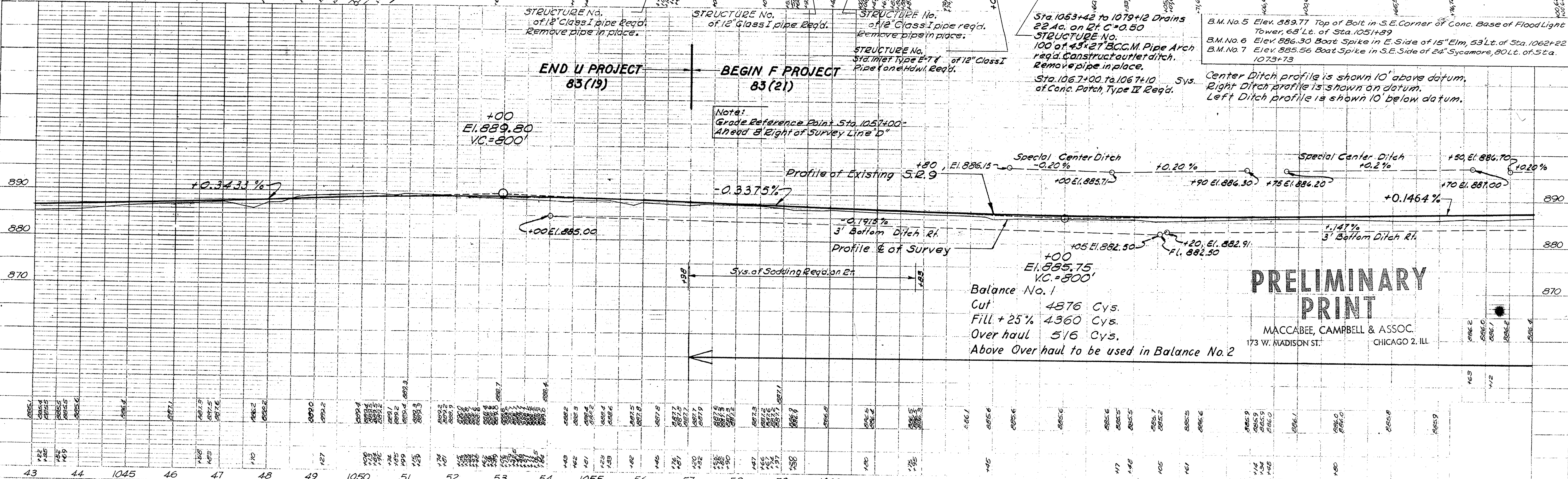
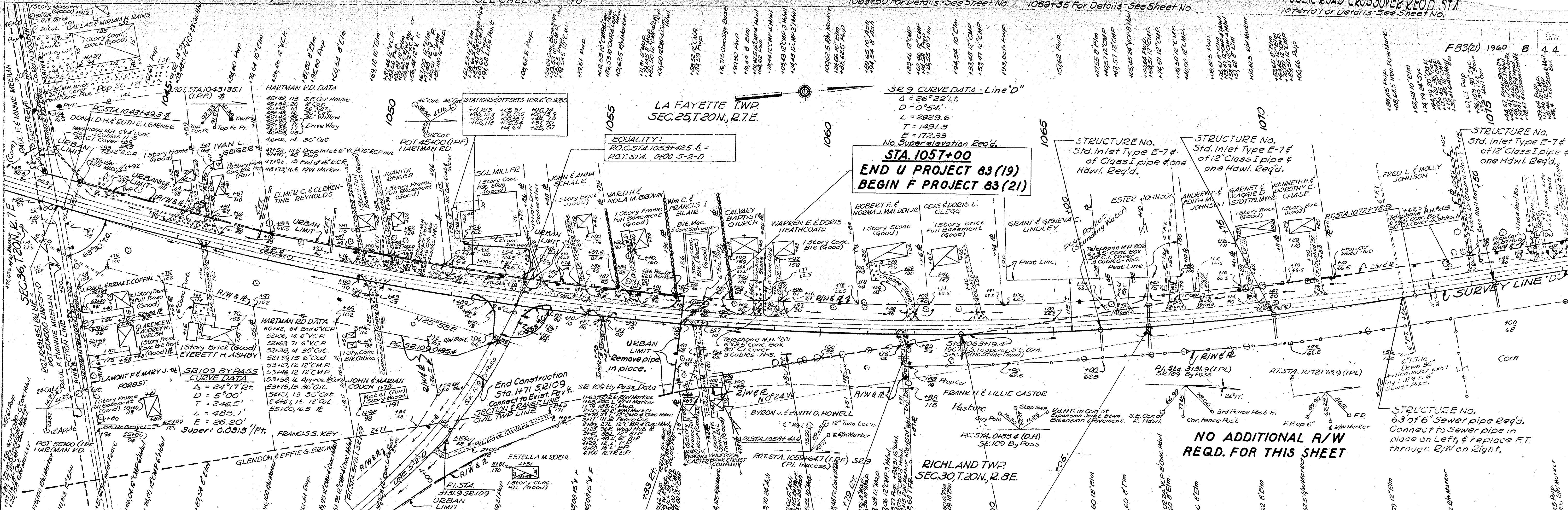
PRELIMINARY PRINT

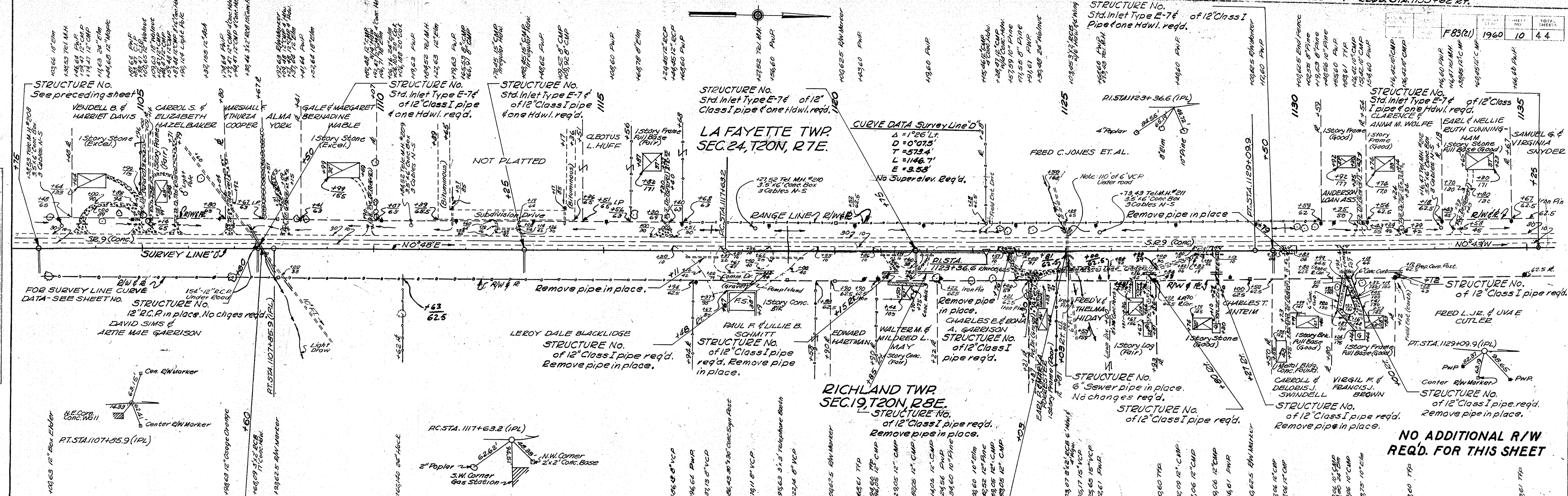
MACCABEE, CAMPBELL & ASSOC.
173 W. MADISON ST. CHICAGO 2, ILL.

DATE _____ BY _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 No. _____
 STRUCTURE NOTATIONS CHECKED _____

DATE _____ BY _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 No. _____
 STRUCTURE NOTATIONS CHECKED _____

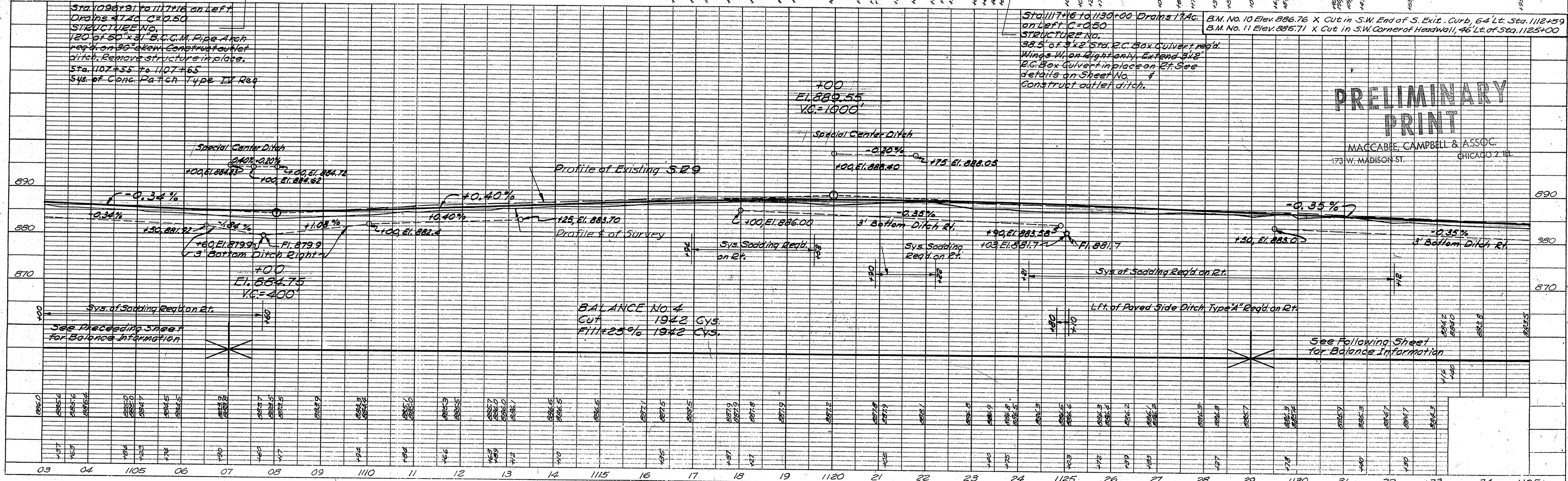
F83(1) 1960 8 4 4





DATE: _____
 SURVEYED BY: _____
 CHECKED BY: _____
 NOTE BOOK: _____
 ALIGNMENT CHECKED: _____
 ST. OF WAY CHECKED: _____
 NO. _____

DATE: _____
 SURVEYED BY: _____
 CHECKED BY: _____
 NOTE BOOK: _____
 E. & V. NOTED: _____
 STRUCTURE NOTATIONS CHECKED: _____
 NO. _____



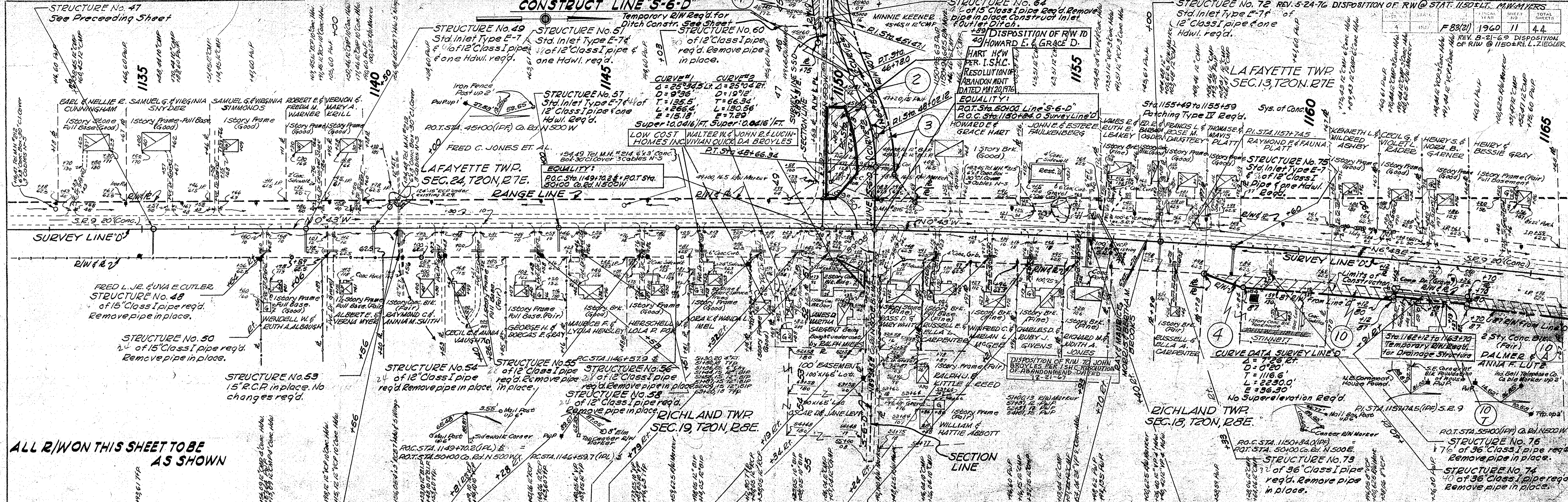
PRELIMINARY PRINT

MACCABE, CAMPBELL & ASSOC.
 173 W. MADISON ST. CHICAGO 2, ILL.

See Following Sheet for Balance Information

NO ADDITIONAL R/W REQ'D. FOR THIS SHEET

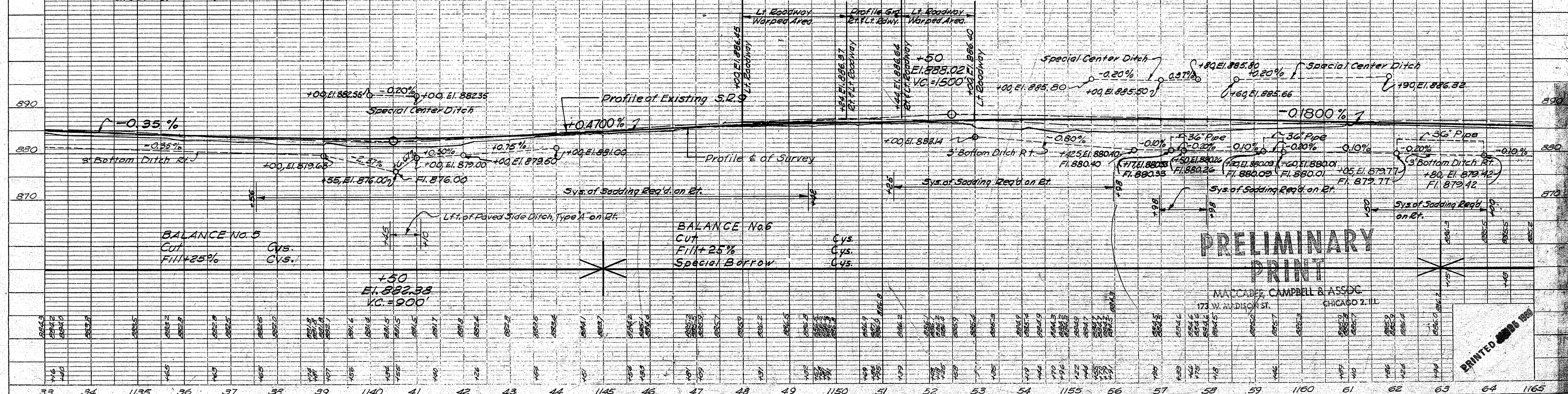
FILE NO.	1960	10	44
TOTAL SHEETS			



ALL R/W ON THIS SHEET TO BE AS SHOWN

Sta. 1130+00 to 1143+68 Drains 60 ac on Left C=0.50	STRUCTURE No. 59 12" of 12 Class I pipe reqd. Remove pipe in place.	STRUCTURE No. 62 12" of 12 Class I pipe reqd. Remove pipe in place.	STRUCTURE No. 65 12" of 12 Class I pipe reqd. Remove pipe in place.	STRUCTURE No. 67 12" of 12 Class I pipe reqd. Remove pipe in place.	Sta. 1146+96 to 1163+00 Drains 24 ac on Left C=0.50	STRUCTURE No. 59 63" of 6" Sewer pipe reqd. Connect to 6" V.C. Pipe in place on Left & replace F.I. through R/W.	B.M. No. 12 Elev. 882.35 X Cut in S.E. Cor. Headwall, 42' Lt. of Sta. 1138+71
STRUCTURE No. 52 43' of 4' x 3' Box Culvert reqd. Wings in on Right. Extend 4' x 3' Box Culvert in place 43' on Left. Construct outlet ditch. For details see sheet No.	STRUCTURE No. 61 12" of 12 Class I pipe reqd. Remove pipe in place.	STRUCTURE No. 63 12" of 12 Class I pipe reqd. Remove pipe in place.	STRUCTURE No. 66 12" of 12 Class I pipe reqd. Remove pipe in place.	STRUCTURE No. 68 12" of 12 Class I pipe reqd. Remove pipe in place.	STRUCTURE No. 70 12" of 36" Class I pipe on 45° skew reqd. Remove pipe in place.	STRUCTURE No. 71 63" of 6" Sewer pipe reqd. Connect to 6" V.C. Pipe in place on Left & replace F.I. through R/W.	B.M. No. 13 Elev. 883.07 X Cut in Top of Conc. R/W Marker, 63' Lt. Sta. 1151+95
					Sta. 1155+49 to 1155+98 on 45° skew Sys. of Conc. Patch Type II Req'd.	STRUCTURE No. 72 17" of 36" Class I pipe reqd. Remove pipe in place.	
						STRUCTURE No. 73 40" of 36" Class I pipe reqd. Remove pipe in place.	
						STRUCTURE No. 74 40" of 36" Class I pipe reqd. Remove pipe in place.	

For Profile of P.R.#1 and Line 'S-6-D' and Additional R/W Details - See Sheets No.



PRELIMINARY PRINT

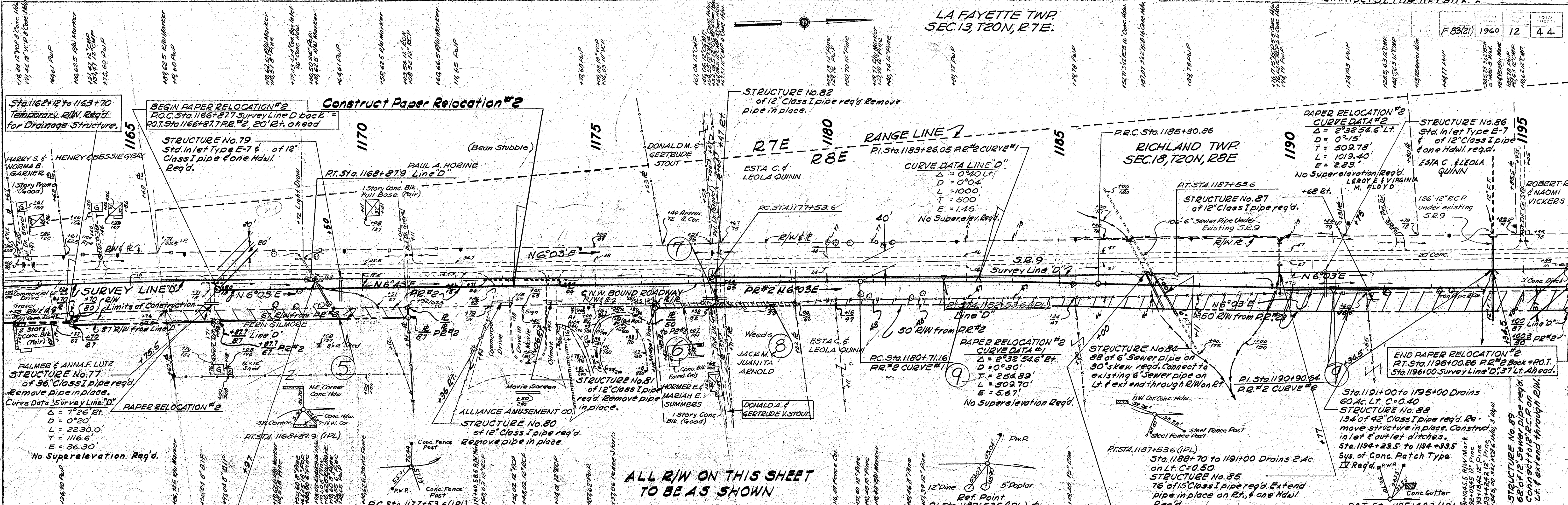
MATTHEW CAMPBELL & ASSOC.
173 W. MADISON ST. CHICAGO 2, ILL.

PRINTED 8/28/60

PLAN
NOTED BOOK, AIRWAY CHECKED
NO. 1135

PROFILE
NOTED BOOK, GRADES CHECKED
B. A. 1. NOTED
STRUCTURE NOTATIONS CHECKED

F 63(2)	1960	12	4.4
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ALL R/W ON THIS SHEET TO BE AS SHOWN

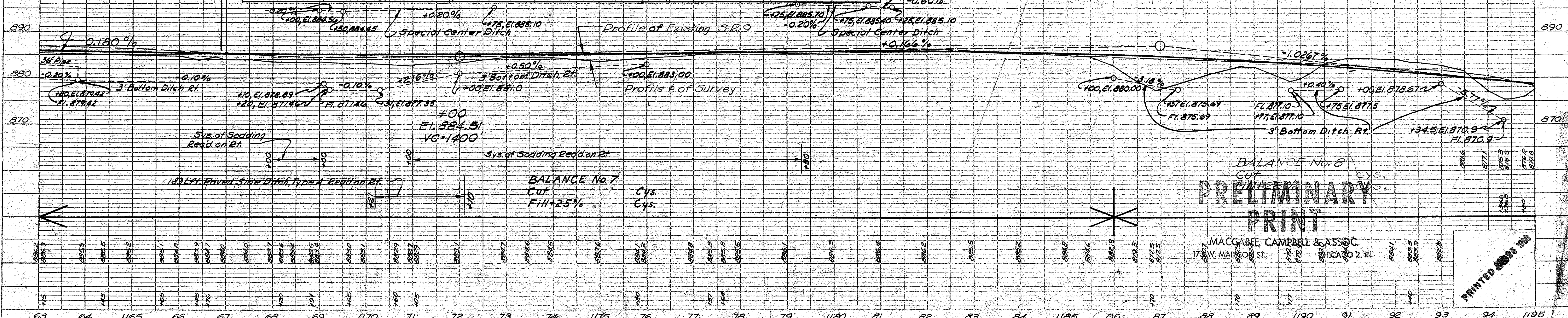
STATIONS AND OFFSETS FOR PAPER RELOCATION NO. 2

STATION	STATION	OFFSETS	STATION	STATION	OFFSETS	STATION	STATION	OFFSETS
Survey Line "D"	P.R. No. 2 Line		Survey Line "D"	P.R. No. 2 Line		Survey Line "D"	P.R. No. 2 Line	
P.O.C. 1166+87.7	P.O.T. 1166+87.73	20.00	1171+00	1176+99.66	9.44	RT. 1187+53.6	1187+53.67	21.37
1167+00	1166+99.82	19.99	RC. 1177+53.6	1177+53.26	8.82	1188+00	1188+00.10	29.03
1168+00	1167+99.70	19.69	1178+00	1177+99.67	8.29	1189+00	1189+00.15	26.31
P.T. 1168+87.9	1168+87.51	18.89	1179+00	1178+99.69	7.24	1190+00	1190+00.19	29.14
1169+00	1168+99.61	18.75	1180+00	1179+99.70	6.30	1191+00	1191+00.22	31.55
1170+00	1169+99.61	17.58	1181+00	1180+99.71	5.52	1192+00	1192+00.24	33.51
1171+00	1170+99.62	16.42	1182+00	1181+99.71	5.50	1193+00	1193+00.25	35.04
1172+00	1171+99.63	15.26	1183+00	1182+99.73	6.48	1194+00	1194+00.26	36.13
1173+00	1172+99.63	14.09	1184+00	1183+99.75	8.44	1195+00	1195+00.26	36.78
1174+00	1173+99.64	12.93	1185+00	1184+99.81	11.89	1196+00	1196+00.26	37.00
1175+00	1174+99.65	11.77	1186+00	1185+99.92	15.31			
1176+00	1175+99.65	10.60	1187+00	1187+00.02	19.34			

Sta. 1163+00 to 1181+00 Drains 24.4 Ac. Lt. C=0.50
STRUCTURE No. 78
 40" of 42" Std. P.C. Box Culvert on 30° skew req'd. Wings 12' on each side. Top of box 42" above invert in place 30.5' at construction outlet ditch. For details see sheet No. 1
BEGIN PAPER RELOCATION #2
 P.O.C. Sta. 1166+87.7 Survey Line "D" Back
 P.O.T. Sta. 1166+87.7 P.R. #2 20' Lt. Ahead
Note:
 Grade Reference Point - 12' Lt. of Paper Relocation No. 2

Sta. 1181+00 to 1188+70 Drains 20.4 Ac. Lt. C=0.40
STRUCTURE No. 83
 94" of 36" Class I pipe on 90° skew & 1 Haul req'd. Extend structure in place on Rt.
 Ref. Point
 P.I. Sta. 1182+53.6 (I.P.L.)

P.O.T. Sta. 1195+49.3 (I.P.L.)
 B.M. No. 14 Elev. 833.80 X Cut in S.W. Corner of Conc. Hdw. 42' Lt. Sta. 1168+60
 B.M. No. 15 Elev. 880.53 X Cut in Middle of W. Side of Conc. Hdw. 70' Lt. Sta. 1186+50



PRELIMINARY PRINT

MAGGABE, CAMPBELL & ASSOC.
 1730 W. MADISON ST. CHICAGO 2, ILL.

PRINTED 8/21/60

PLAN SHEET
 NOTE BOOK ALIGNMENT CHECKED
 NO. OF WAY CHECKED

PROFILE SHEET
 NOTE BOOK GRADES CHECKED
 STRUCTURE DIMENSIONS CHECKED
 NO.

SP. PUBLIC ROAD CROSSOVER REQ'D STA. 1258+31.4
For Details of Intersection - See Sheet No.

STATE HIGHWAY DEPARTMENT OF INDIANA

TYPE 1 TEMPORARY CROSSOVER REQ'D STA. 1271+30

PRIVATE DRIVE CROSSOVER REQ'D STA. 1272+76.5

PRIVATE DRIVE CROSSOVER REQ'D STA. 1277+75

DATE	BY	NO.	REVISION
1960	15	4.4	

Sta. 1253+00 to 1262+00 Drains 12" on Left C=0.30
STRUCTURE No. 144 of 24" Class I pipe req'd. Construct inlet & outlet ditches

PRIVATE DRIVE CROSSOVER REQ'D STA. 1268+60.5

STRUCTURE No. Std. Inlet Type E-7 1/2 of 12" Class I pipe & one Hdw. req'd.

STRUCTURE No. Std. Inlet Type E-7 1/2 of 12" Class I pipe & one Hdw. req'd.

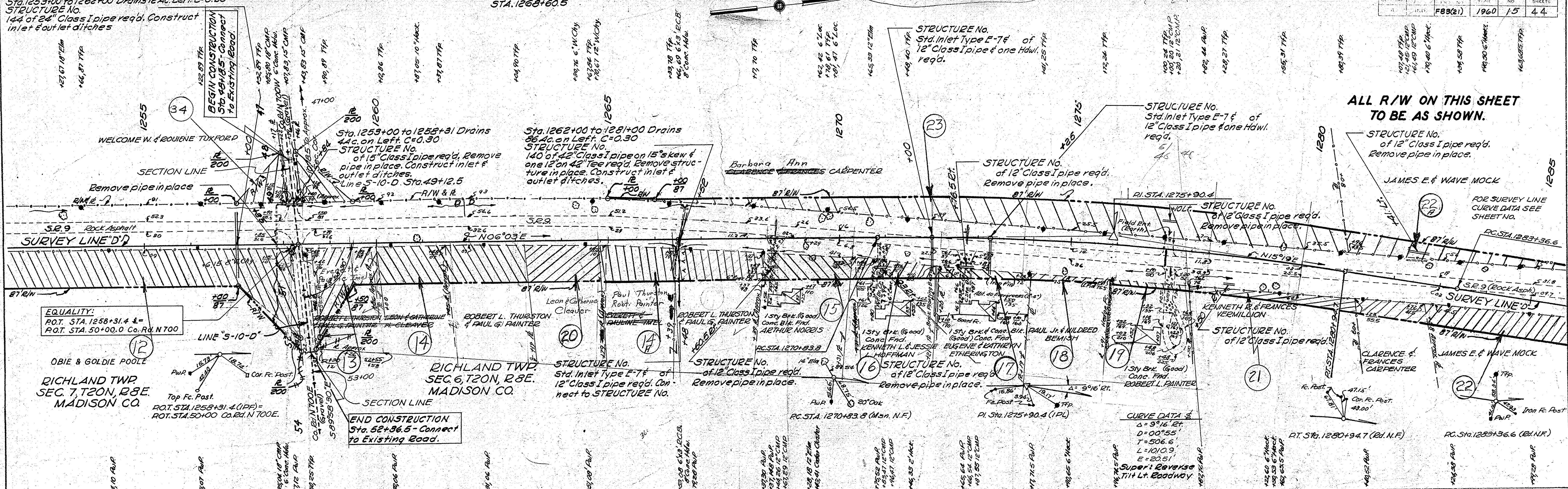
ALL R/W ON THIS SHEET TO BE AS SHOWN.

STRUCTURE No. of 12" Class I pipe req'd. Remove pipe in place.

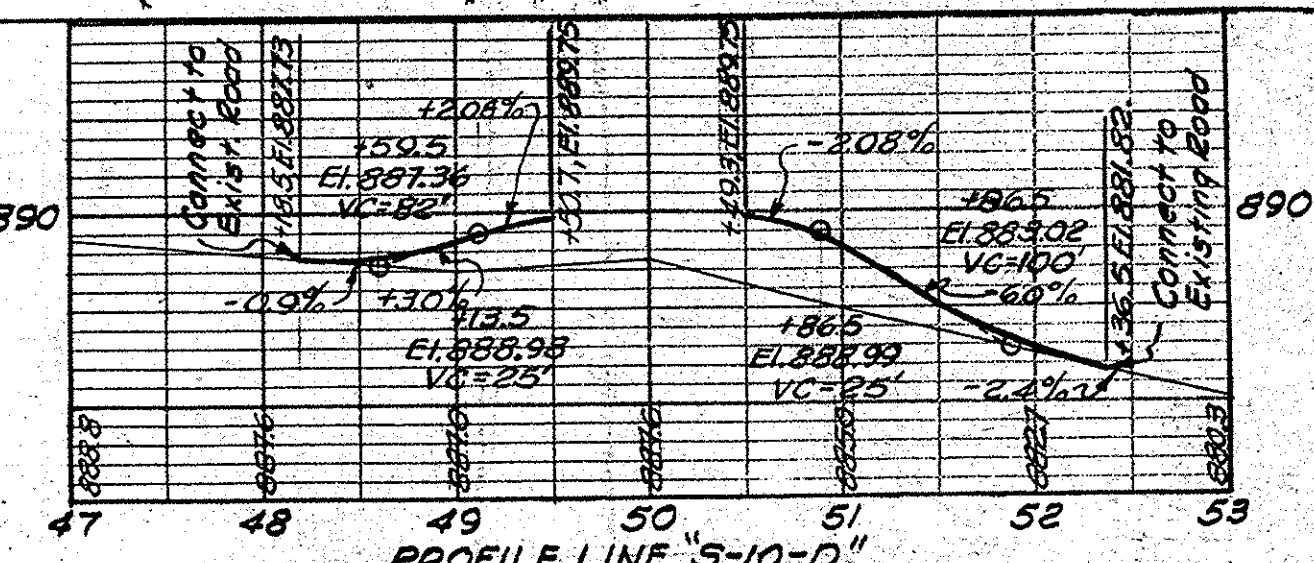
STRUCTURE No. of 12" Class I pipe req'd. Remove pipe in place.

FOR SURVEY LINE CURVE DATA SEE SHEET NO.

PLAN SHEET NO. 154
DATE: 1960
BY: [Signature]
NO. 154
REVISION: [Signature]
NOTE: BOOK, GRADES CHECKED, B.M.'S NOTED, STRUCTURE NOTATIONS CHECKED.

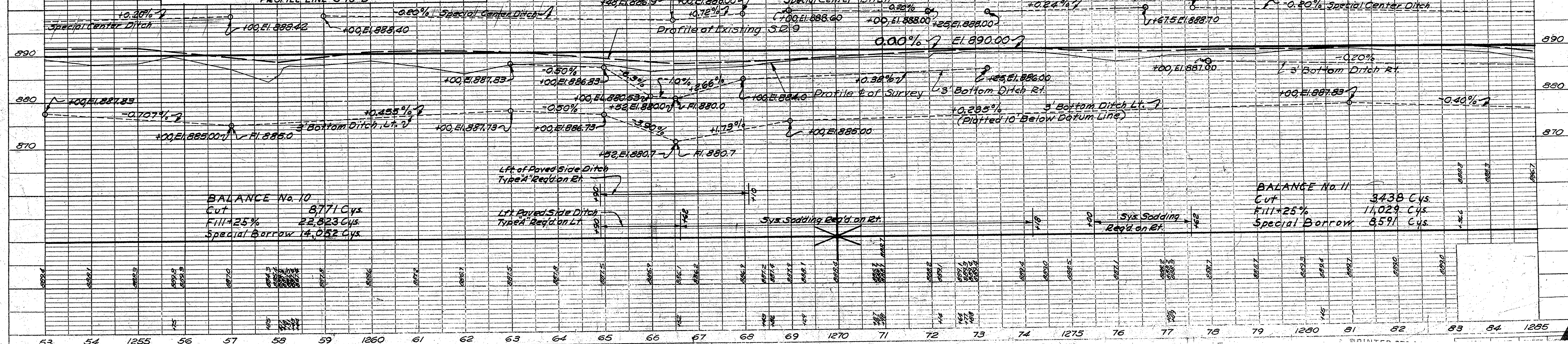


PROFILE SHEET NO. 154
DATE: 1960
BY: [Signature]
NO. 154
REVISION: [Signature]
NOTE: BOOK, GRADES CHECKED, B.M.'S NOTED, STRUCTURE NOTATIONS CHECKED.



B.M. No. 22 Elev. 886.50 X Cut in S.W. Cor. of Conc. Hdw. 82' Lt. Sta. 1257+85
B.M. No. 23 Elev. 886.20 X Cut in N.W. Cor. W. Hdw. 71' Lt. Sta. 1266+66
B.M. No. 24 Elev. 885.32 Boat Spike in W. Side of 84' Elm 146' Lt. Sta. 1281+50

PRELIMINARY PRINT
MACCABEE, CAMPBELL & ASSOC.
73 W. MADISON ST. CHICAGO 2, ILL.



PROJECT NO.	DATE	BY	CHECKED
F83(21)	1960	17	4

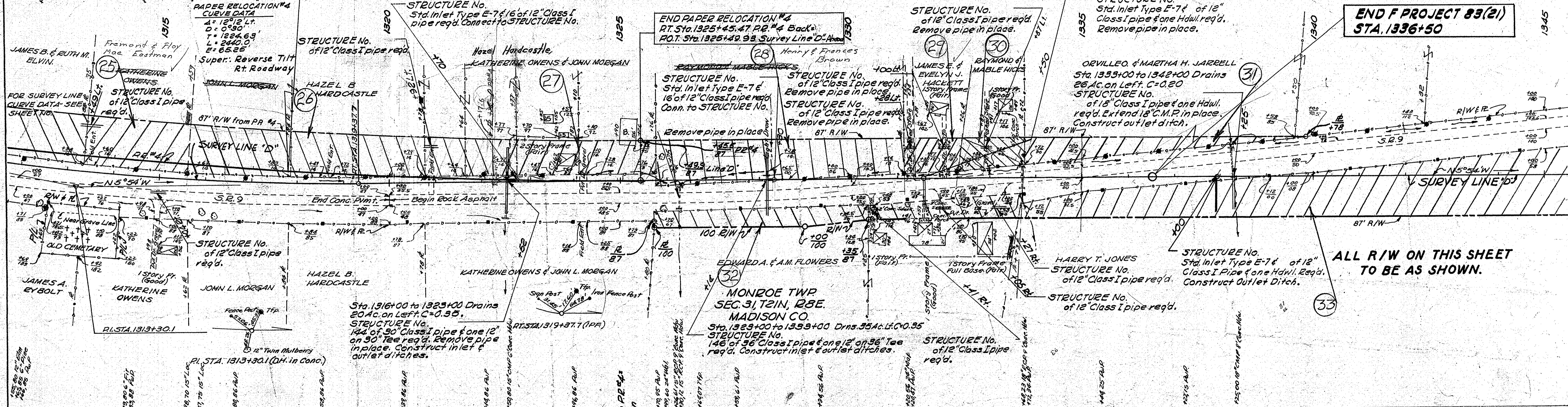
COMM. DRIVE CROSSOVER REQ.
STA. 1313+49
CONSTRUCT PAPER RELOCATION #4

CURVE DATA SURVEY LINE 'D'
 $\Delta = 127.12$ Lt.
 $D = 1700$
 $L = 1220.0'$
 $T = 612.4'$
 $E = 32.60'$

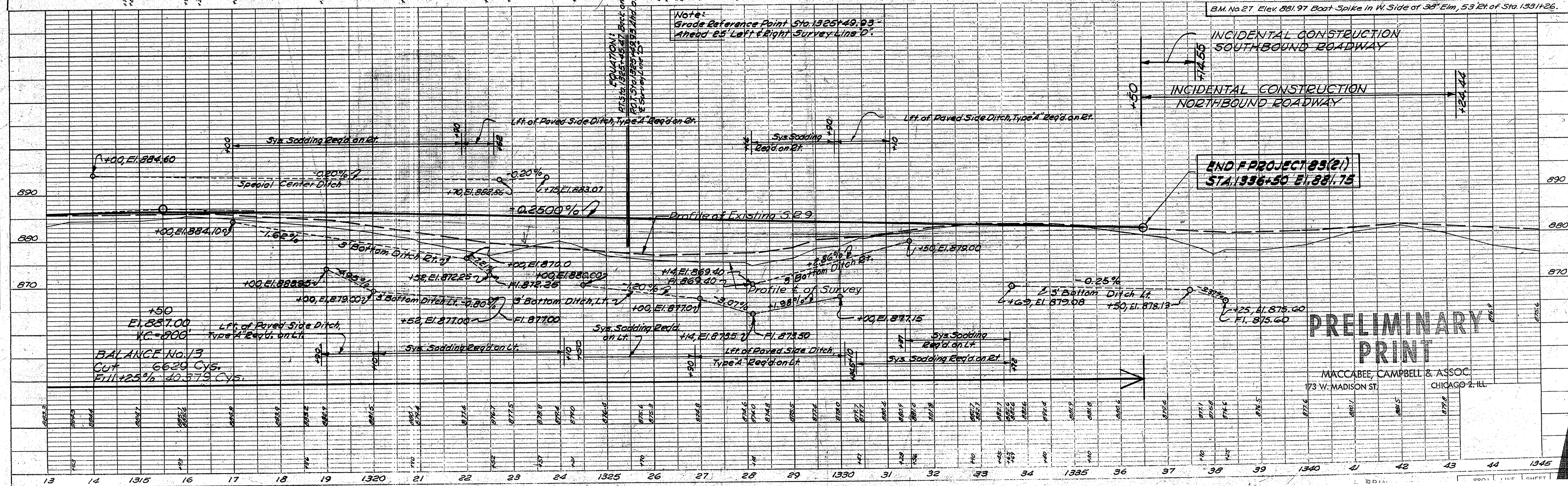
PRIVATE DRIVE CROSSOVER REQ.
STA. 1324+19.

SPECIAL COMM. DR. CROSSOVER REQ.
STA. 1332+05 - See Sheet No.

PLAN
 SURVEYED
 NOTED
 CHECKED
 BY
 DATE



PROFILE
 SURVEYED
 NOTED
 CHECKED
 BY
 DATE

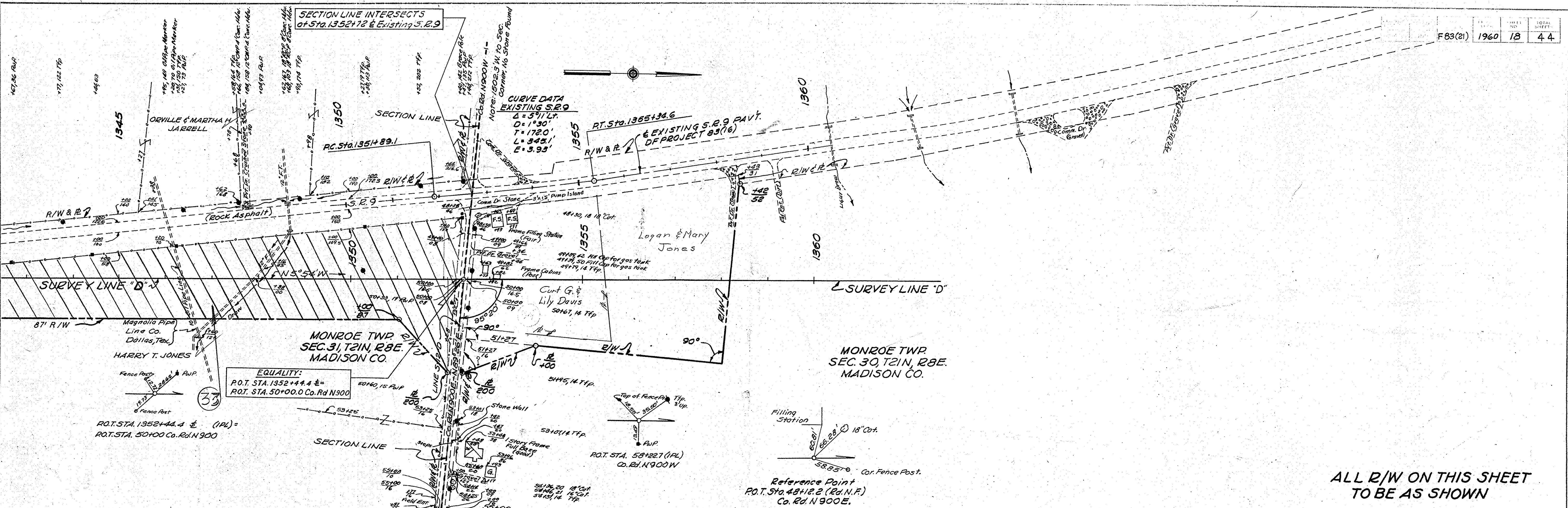


PRELIMINARY PRINT

MACCABEE, CAMPBELL & ASSOC.
 173 W. MADISON ST. CHICAGO 2, ILL.

DATE: _____
 BY: _____
 SURVEYED: _____
 PLAN NO. _____
 NOTE BOOK: _____
 ALIGNMENT CHECKED: _____
 R/W OF WAY CHECKED: _____

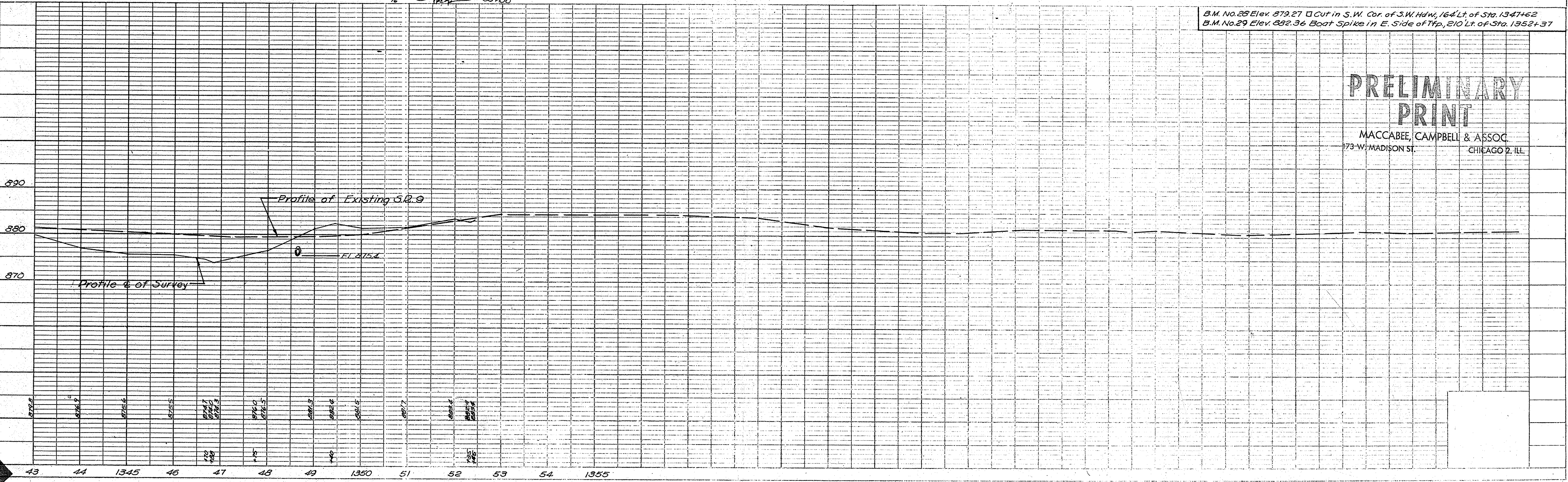
DATE: _____
 BY: _____
 SURVEYED: _____
 PROFILE NO. _____
 NOTE BOOK: _____
 GRADES CHECKED: _____
 B.M. NOTED: _____
 STRENGTH NOTATIONS CHECKED: _____



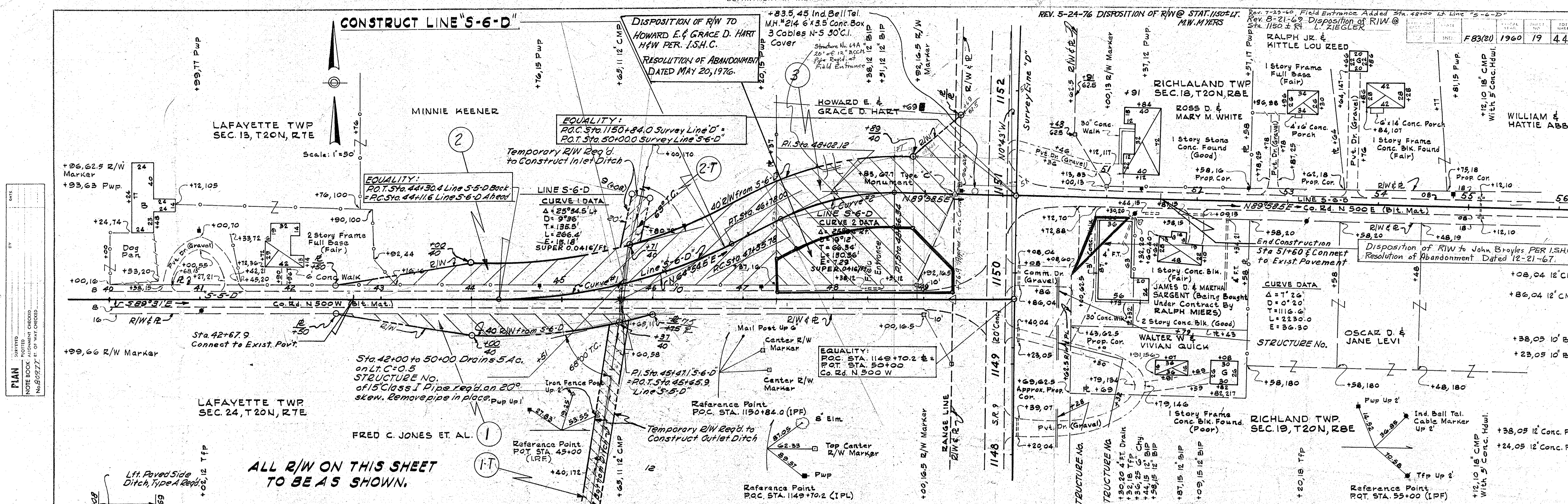
ALL R/W ON THIS SHEET TO BE AS SHOWN

B.M. No. 25 Elev. 879.27 □ Cut in S.W. Cor. of S.W. Hdq., 164' Lt. of Sta. 1347+62
 B.M. No. 29 Elev. 882.36 Boat Spike in E. Side of Twp., 210' Lt. of Sta. 1352+37

PRELIMINARY PRINT
 MACCABEE, CAMPBELL & ASSOC.
 73 W. MADISON ST. CHICAGO 2, ILL.

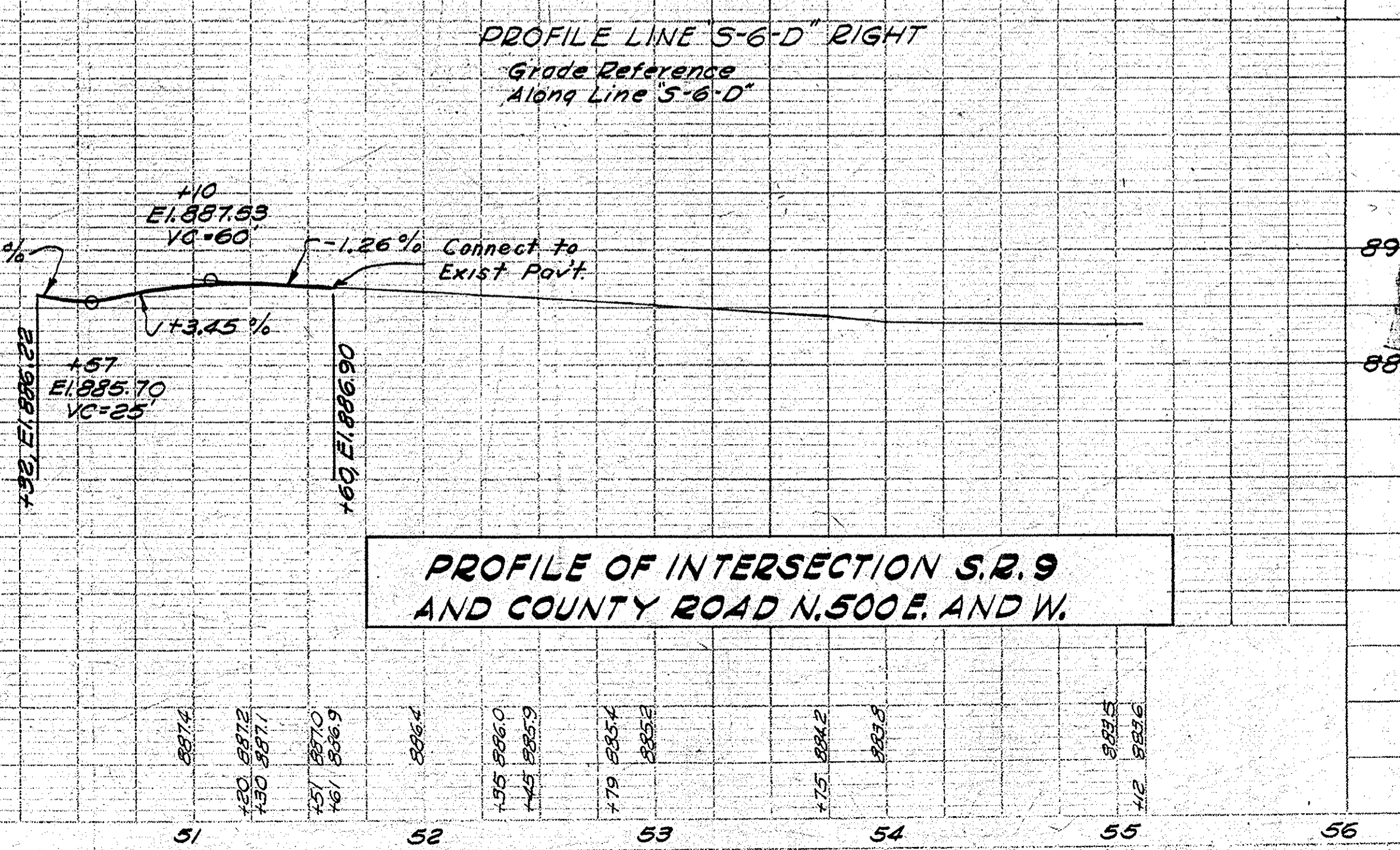
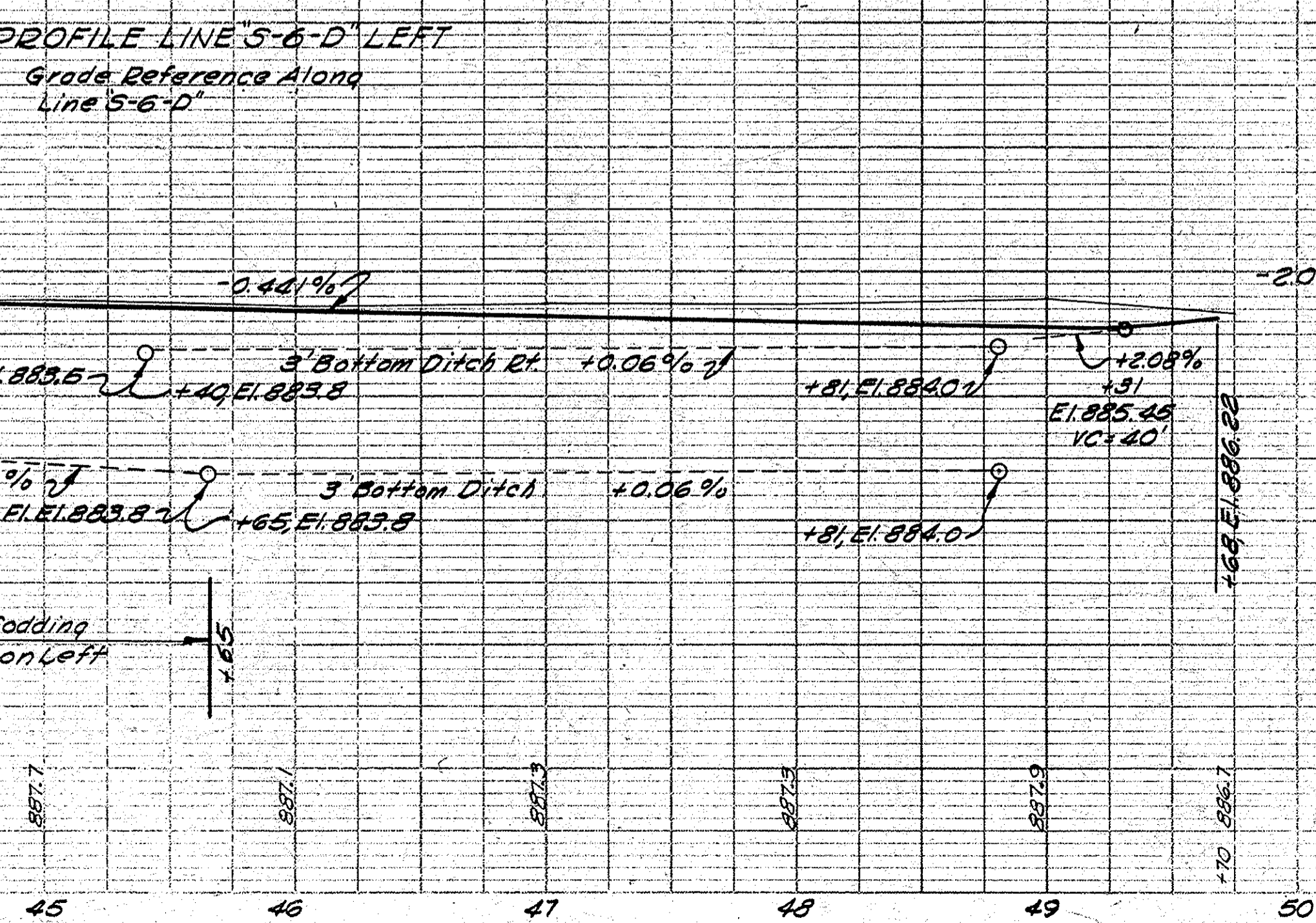
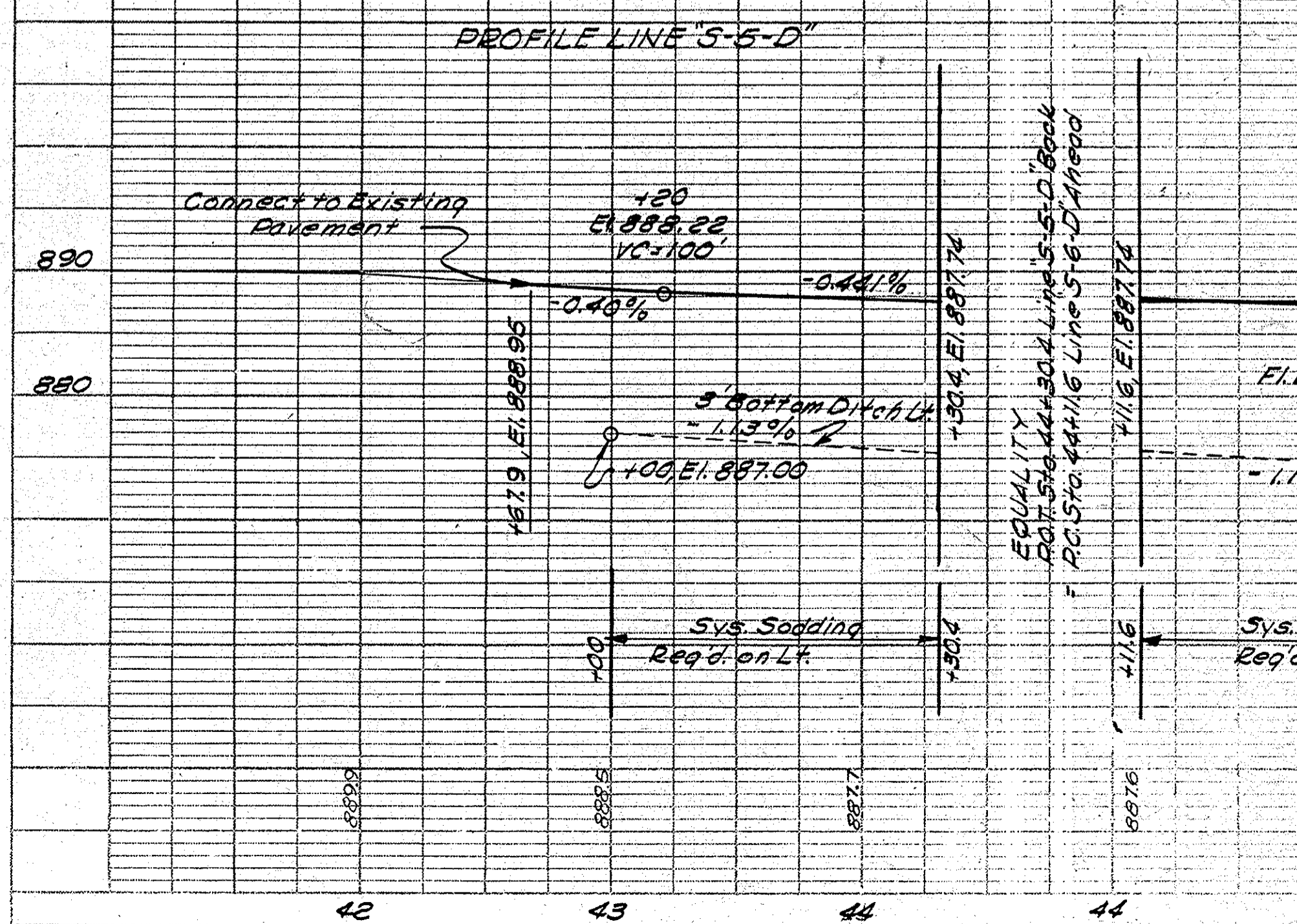
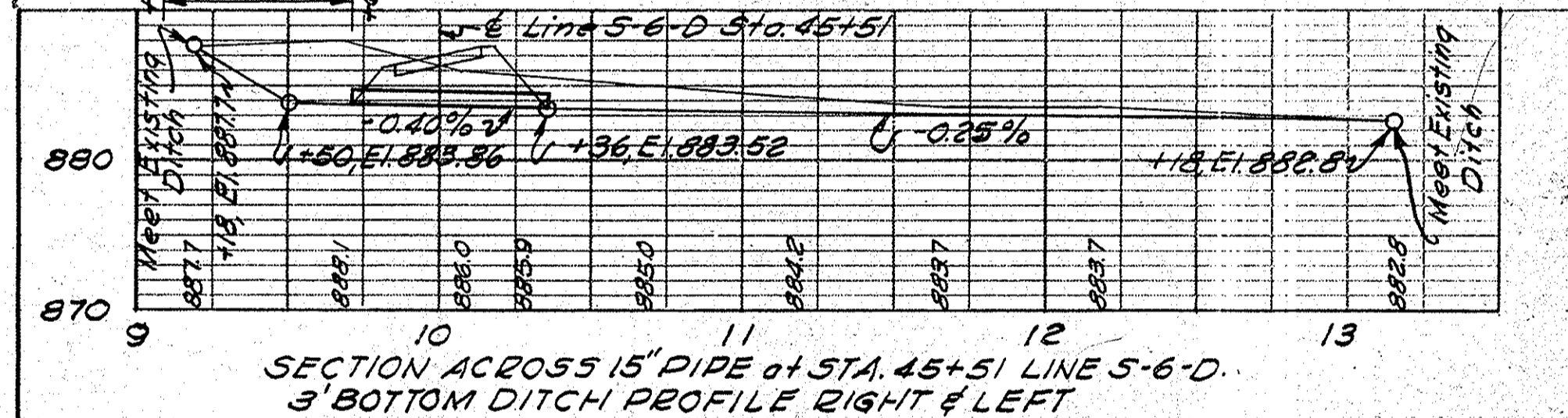


CONSTRUCT LINE "S-6-D"



DATE: _____
BY: _____
SUPERVISOR: _____
NOTED: _____
CHECKED: _____
DATE: _____
BY: _____
SUPERVISOR: _____
NOTED: _____
CHECKED: _____

ALL R/W ON THIS SHEET TO BE AS SHOWN.



PROFILE OF INTERSECTION S.R. 9 AND COUNTY ROAD N.500E. AND W.

PRELIMINARY PRINT
W. CAMPBELL & ASSOC.
CHICAGO, ILL.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND	F83(2)	1960	20	44

+68.11 Tfp
+54.17 6"x4" Conc. Trough

Curve Data Survey Line "D"
Δ=12°12'Lt
D=1°00'
T=612.4'
L=1220'
E=32.60

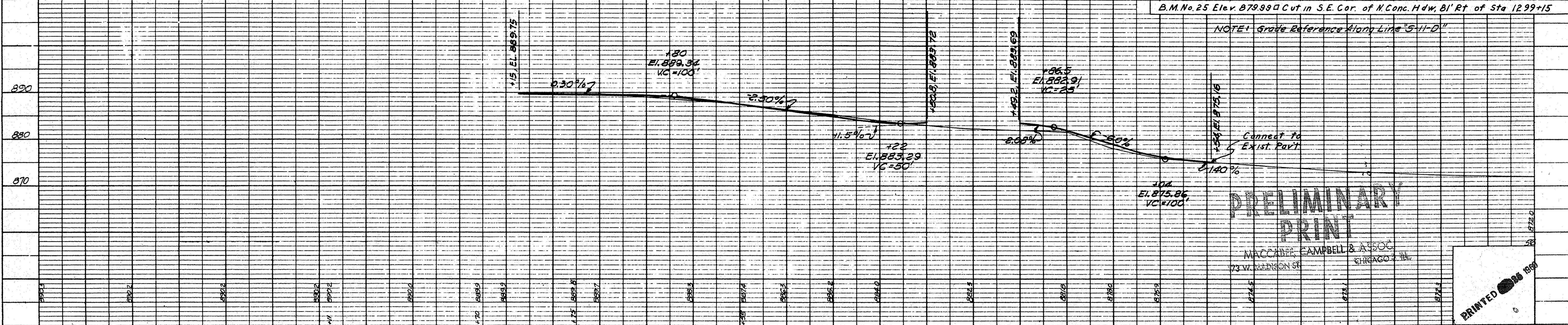
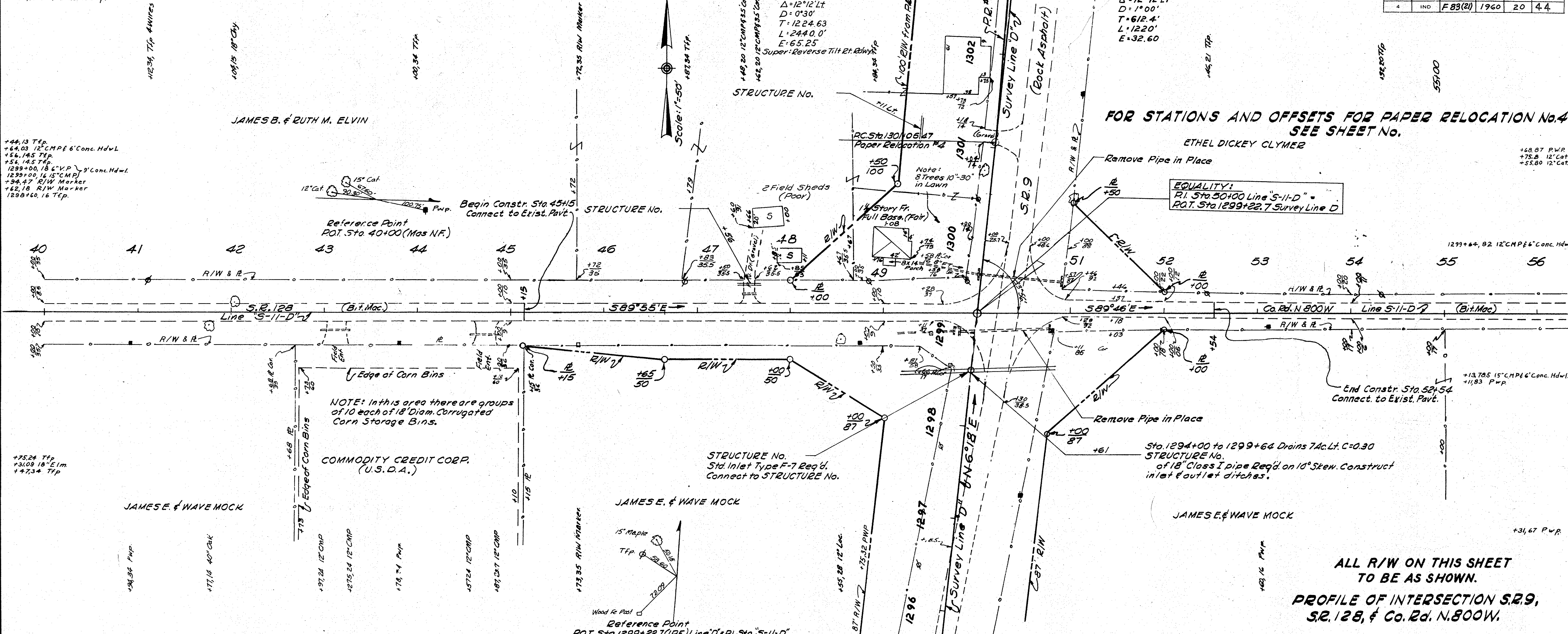
+44.13 Tfp
+64.03 12" CMP 6" Conc. Hdwl
+56.145 Tfp
+54.145 Tfp
+299+00, 18" C.V.P. 9" Conc. Hdwl.
+299+00, 18" C.V.P.
+94.47 R/W Marker
+62.18 R/W Marker
+298+60, 16 Tfp

Paper Relocation #4
Curve Data
Δ=12°12'Lt
D=0°30'
T=1224.63
L=2440.0'
E=65.25
Super: Reverse Tilt Rt. Rdwy Tfp

FOR STATIONS AND OFFSETS FOR PAPER RELOCATION No.4
SEE SHEET No.

PLAN
SUPERVISED BY
NOTED AND CHECKED BY
DATE

PROFILE
SUPERVISED BY
NOTED AND CHECKED BY
DATE



WILLIAM & FRANCIS BLAIR

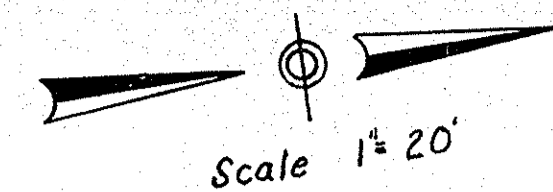
CALVERY BAPTIST CHURCH

WARREN & DOIS HEATHCOATS

FEDERAL ROAD DIVISION NO	STATE	PROJ. NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
4	IND.	F83(2)	1960	21	44

LEGEND

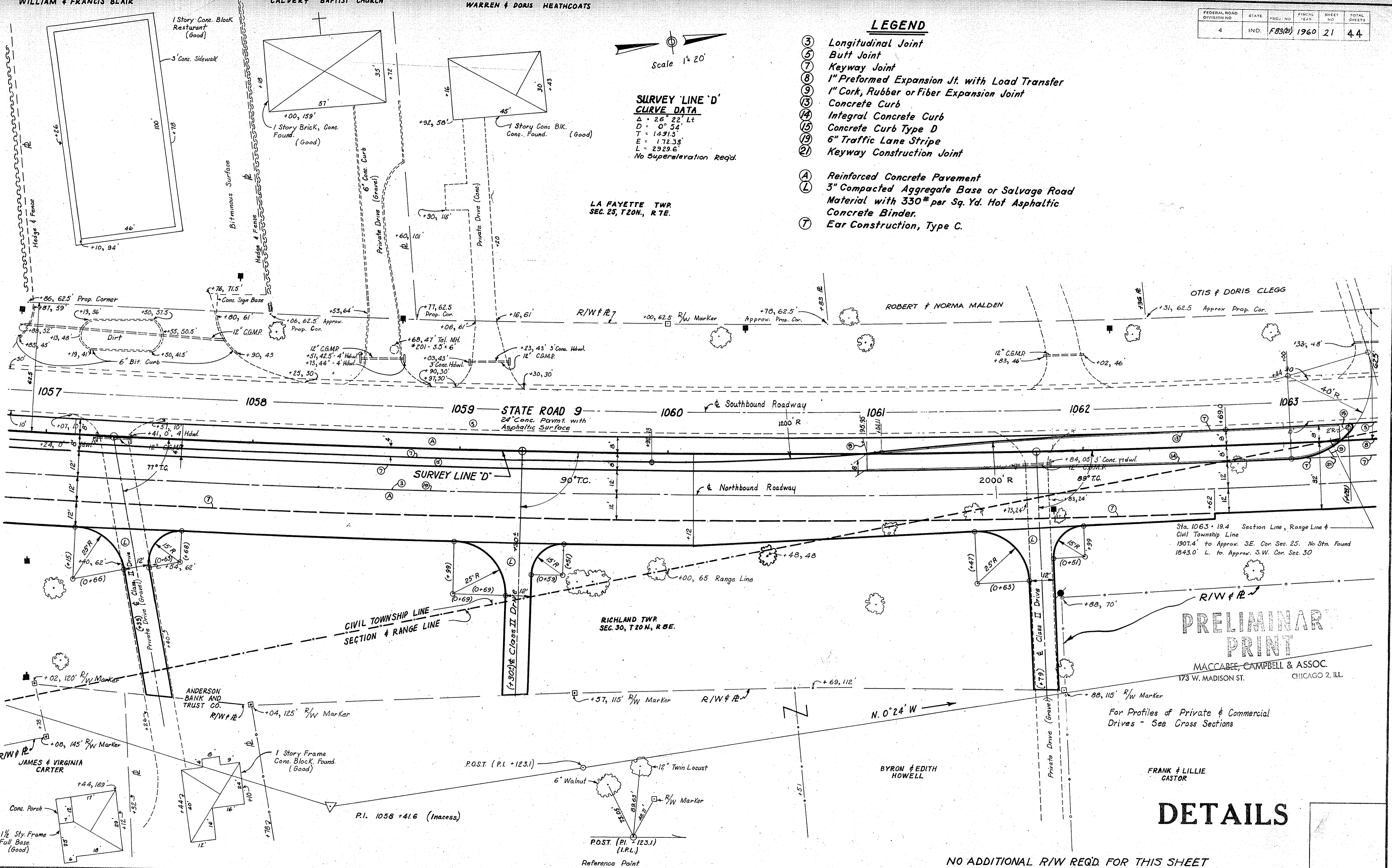
- ③ Longitudinal Joint
- ⑤ Butt Joint
- ⑦ Keyway Joint
- ⑧ 1" Preformed Expansion Jt. with Load Transfer
- ⑨ 1" Cork, Rubber or Fiber Expansion Joint
- ⑬ Concrete Curb
- ⑭ Integral Concrete Curb
- ⑮ Concrete Curb Type D
- ⑰ 6" Traffic Lane Stripe
- ⑱ Keyway Construction Joint
- Ⓐ Reinforced Concrete Pavement
- Ⓛ 3" Compacted Aggregate Base or Salvage Road Material with 330# per Sq. Yd. Hot Asphaltic Concrete Binder.
- Ⓣ Ear Construction, Type C.



SURVEY LINE 'D' CURVE DATA

Δ = 26° 22' Lt
 D = 0° 54'
 T = 14.913'
 E = 1.7238'
 L = 29.296'
 No Superelevation Req'd.

LA FAYETTE TWP.
 SEC. 25, T20N., R. 7E.



PRELIMINARY PRINT

MACCABEE, CAMPBELL & ASSOC.
 173 W. MADISON ST. CHICAGO 2, ILL.

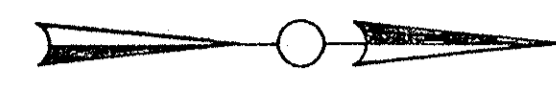
For Profiles of Private & Commercial Drives - See Cross Sections

DETAILS

NO ADDITIONAL R/W REQ'D FOR THIS SHEET

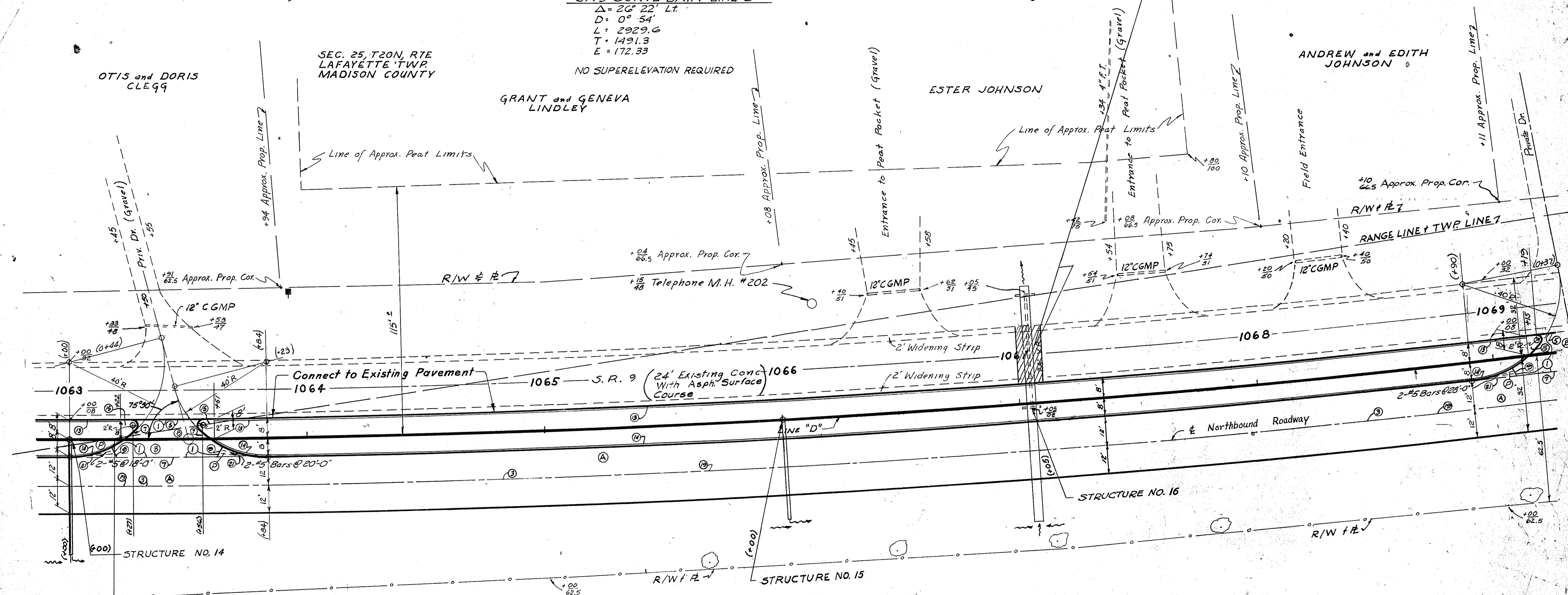
Special Private Dr. Crossover Req'd. at Sta. 1063+50

FEDERAL ROAD DISTRICT NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	F83(2)	1960	22	44



SR 9 CURVE DATA-LINE "D"
 $\Delta = 26^\circ 22' \text{ Lt.}$
 $D = 0^\circ 54'$
 $L = 2929.6$
 $T = 1491.3$
 $E = 172.33$
 NO SUPERELEVATION REQUIRED

Sta. 1067+00 to 1067+10
 27 Sys. of Conc. Patch Class IV Req'd.
 Connect to Existing Pavement



OTIS and DORIS
CLE 99

SEC. 25, T20N, R7E
LAFAYETTE TWP.
MADISON COUNTY

GRANT and GENEVA
LINDLEY

ESTER JOHNSON

ANDREW and EDITH
JOHNSON

FRANK H. and LILLIE
CASTOR

SEC. 30, T20N, R8E
RICHLAND TWP.
MADISON COUNTY

LEGEND

- ③ Longitudinal Joint
- ⑤ Plain Joint
- ⑦ Keyway Joint
- ① Standard Thickened Edges
- ⑨ 1" Prefomed Joint Filler
- ⑬ Concrete Curb
- ⑭ Integral Concrete Curb
- ⑮ Special Concrete Center Curb, Type D
- ⑰ 6" Traffic Lane Stripe
- ⑱ Keyway Construction Joint
- ⑲ 6" Plain Concrete Pavement for Private Drive Crossovers.
- Ⓐ Reinforced Concrete Pavement
- Ⓒ Ear Construction, Type B
- ▨ Concrete Removal

NO ADDITIONAL R/W REQ'D.
FOR THIS SHEET.

FOR ADDITIONAL QUANTITIES
SEE SHEET No. 44

DETAILS

of CONSTRUCTION
Sta. 1063+00 to Sta. 1069+00

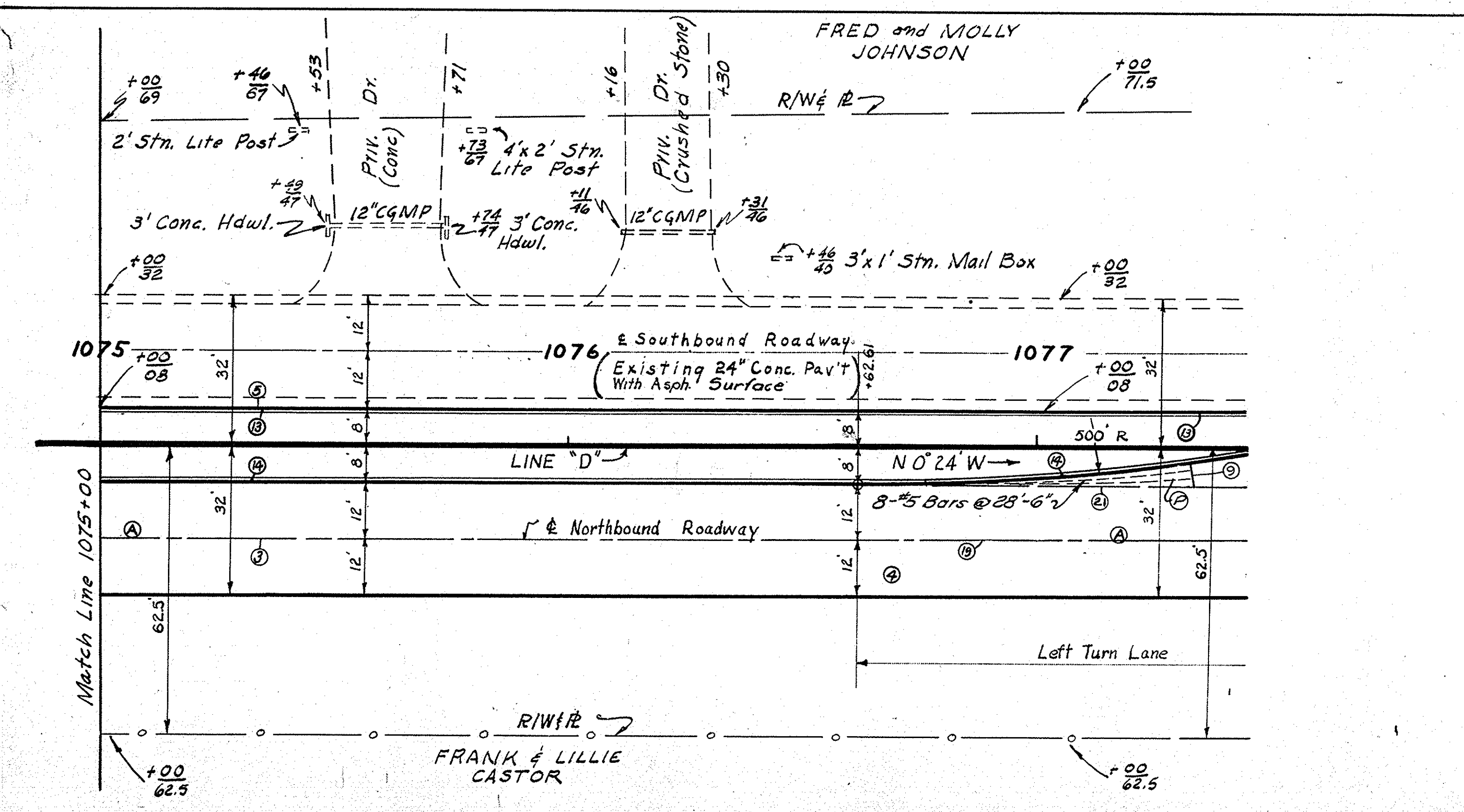
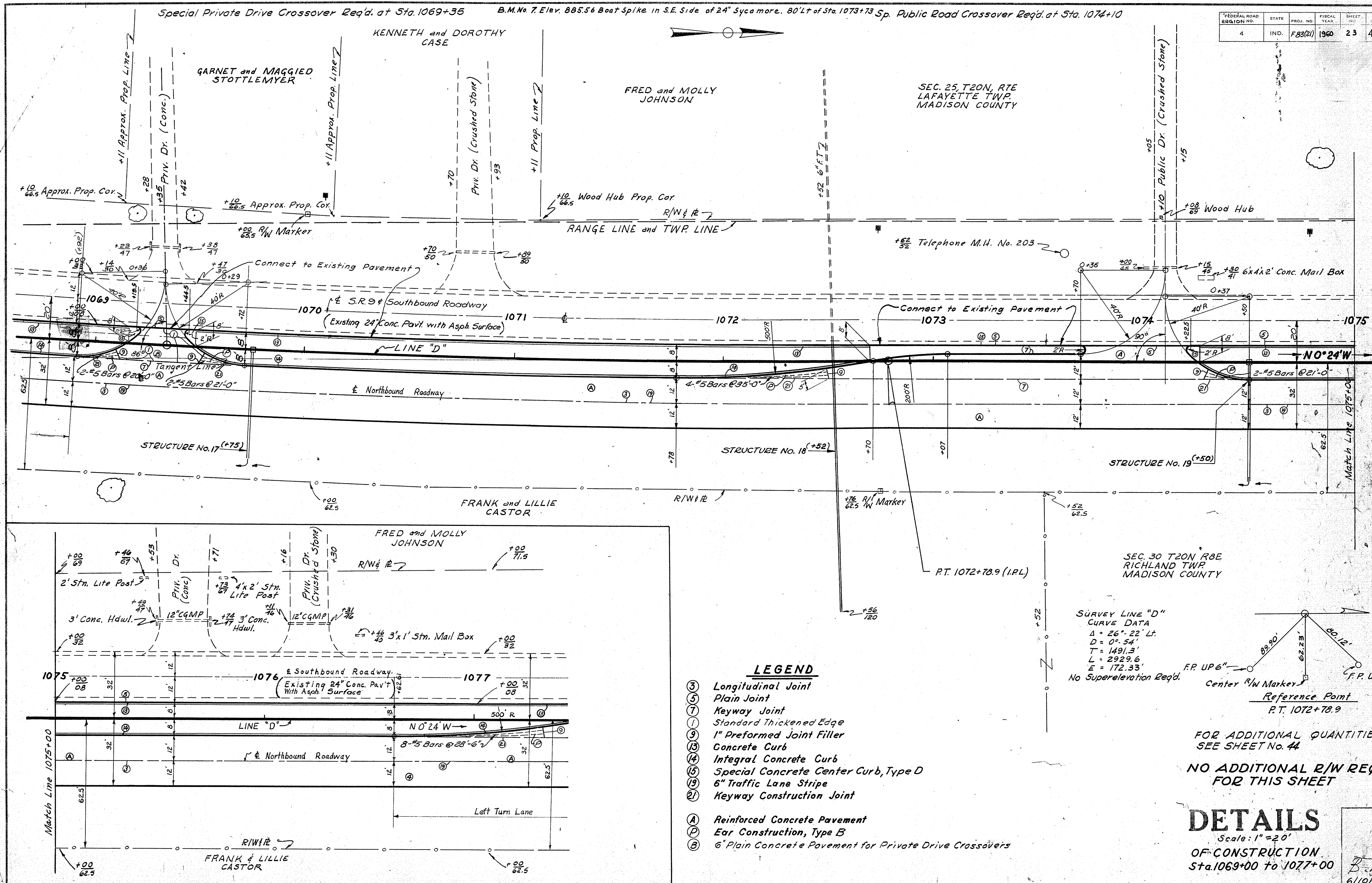
Scale: 1" = 20'

6/10/60

Special Private Drive Crossover Req'd. at Sta. 1069+35

B.M. No. 7 Elev. 885.56 Boat Spike in S.E. Side of 24" Sycamore. 80' Lt of Sta. 1073+73 Sp. Public Road Crossover Req'd. at Sta. 1074+10

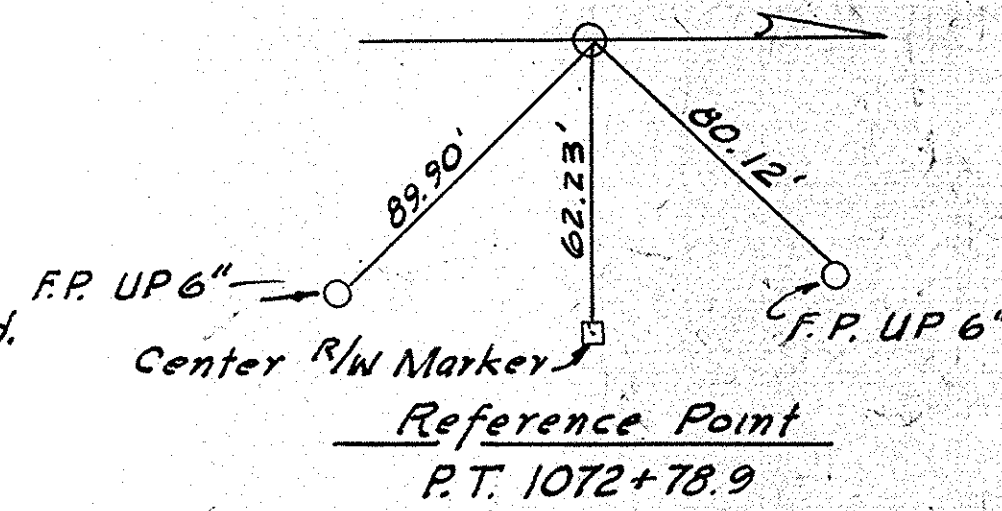
FEDERAL ROAD DISTRICT NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	F 83(21)	1960	23	44



LEGEND

- ③ Longitudinal Joint
- ⑤ Plain Joint
- ⑦ Keyway Joint
- ① Standard Thickened Edge
- ⑨ 1" Preformed Joint Filler
- ⑬ Concrete Curb
- ⑭ Integral Concrete Curb
- ⑮ Special Concrete Center Curb, Type D
- ⑯ 6" Traffic Lane Stripe
- ⑰ Keyway Construction Joint
- Ⓐ Reinforced Concrete Pavement
- Ⓟ Ear Construction, Type B
- Ⓚ 6" Plain Concrete Pavement for Private Drive Crossovers

SURVEY LINE "D"
 CURVE DATA
 Δ = 26° 22' Lt.
 D = 0° 54'
 T = 1491.3'
 L = 2929.6'
 E = 172.33'
 No Superelevation Req'd.



FOR ADDITIONAL QUANTITIES
 SEE SHEET No. 44
**NO ADDITIONAL R/W REQ'D.
 FOR THIS SHEET**

DETAILS
 Scale: 1" = 20'
 OF CONSTRUCTION
 Sta. 1069+00 to 1077+00

B. W. J.
 6/10/60

FEDERAL ROAD DIVISION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	F83(2)	1960	24	44

TRAFFIC FLOW DIAGRAM FOR 1979
 PREDICTED 30th HEAVIEST HOUR
 No Data Available
 RALPH & MARY GETTING

EQUALITY
 P.O.T. Sta 1079+10.8 (R.N.F.) =
 P.O.T. Sta 50+00.0 SURVEY
 LINE "S-3-D"

Note: 1079+10.300 I.P. on
 Sta. 44-39 on Indiana
 State System of plane
 co-ordinates.

Reference Point
 EQUALITY: P.O.T. Sta. 1079+10.8 (Rd. N.F.) =
 P.O.T. Sta. 50+00.0 Survey Line "S-3-D"

- LEGEND**
- (3) Longitudinal Joint
 - (5) Butt Joint
 - (7) Keyway Joint
 - (8) 1" Preformed Expansion Jt. with Load Transfer
 - (9) 1" Cork, Rubber or Fiber Expansion Joint
 - (13) Concrete Curb
 - (14) Integral Concrete Curb
 - (15) Concrete Curb Type D
 - (19) 6" Traffic Lane Stripe
 - (21) Keyway Construction Joint
 - (A) Reinforced Concrete Pavement
 - (K) 5" Compacted Aggregate Base or Salvage Road Material with 330# per Sq. Yd. Hot Asphaltic Concrete Binder.
 - (L) 3" Compacted Aggregate Base or Salvage Road Material with 330# per Sq. Yd. Hot Asphaltic Concrete Binder.
 - (M) Ear Construction, Type A

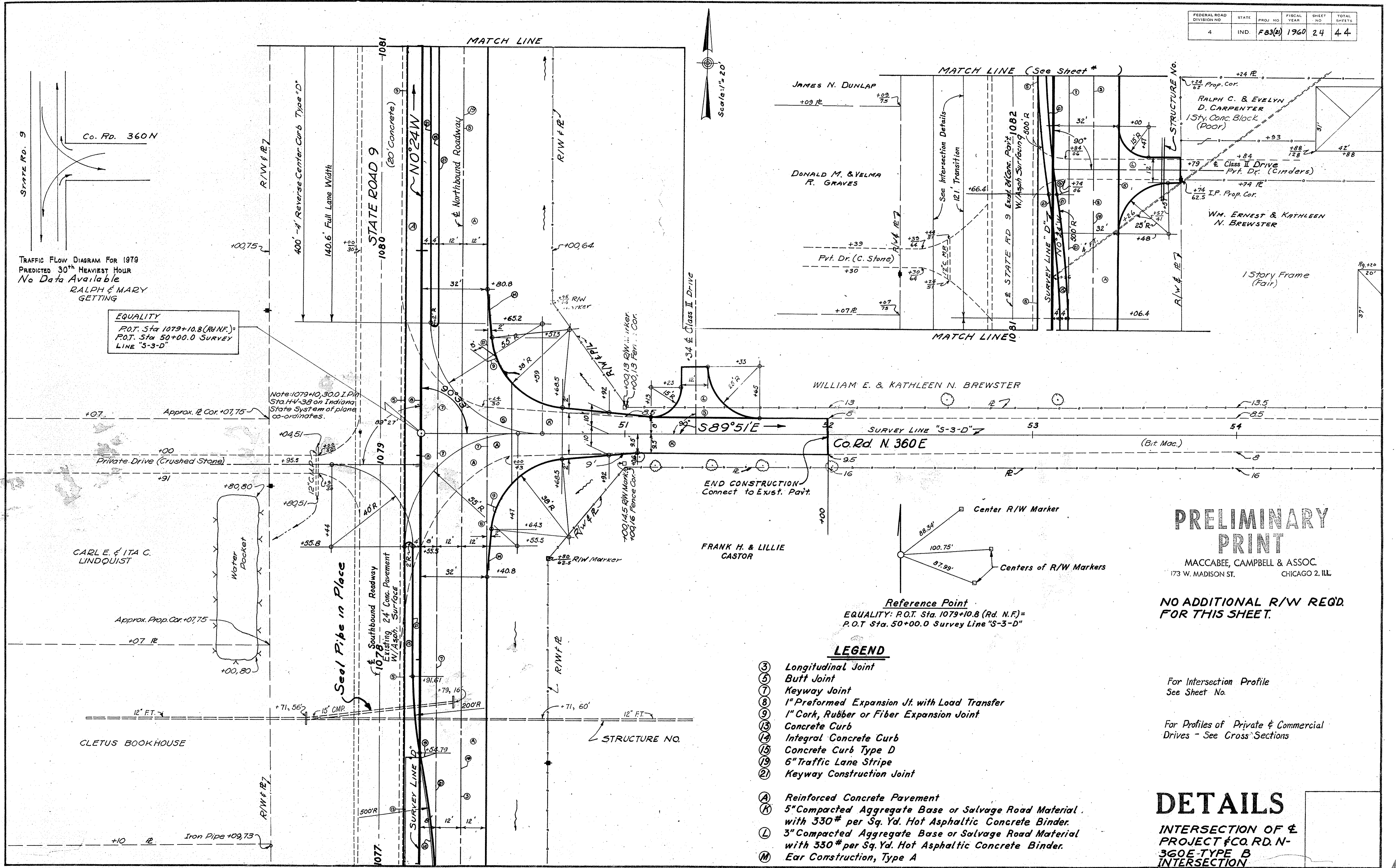
PRELIMINARY PRINT
 MACCABEE, CAMPBELL & ASSOC.
 173 W. MADISON ST. CHICAGO 2, ILL.

NO ADDITIONAL R/W REQ'D FOR THIS SHEET.

For Intersection Profile
 See Sheet No.

For Profiles of Private & Commercial
 Drives - See Cross Sections

DETAILS
 INTERSECTION OF &
 PROJECT & CO. RD. N-
 360E TYPE B
 INTERSECTION

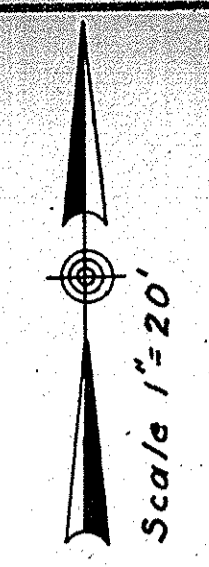
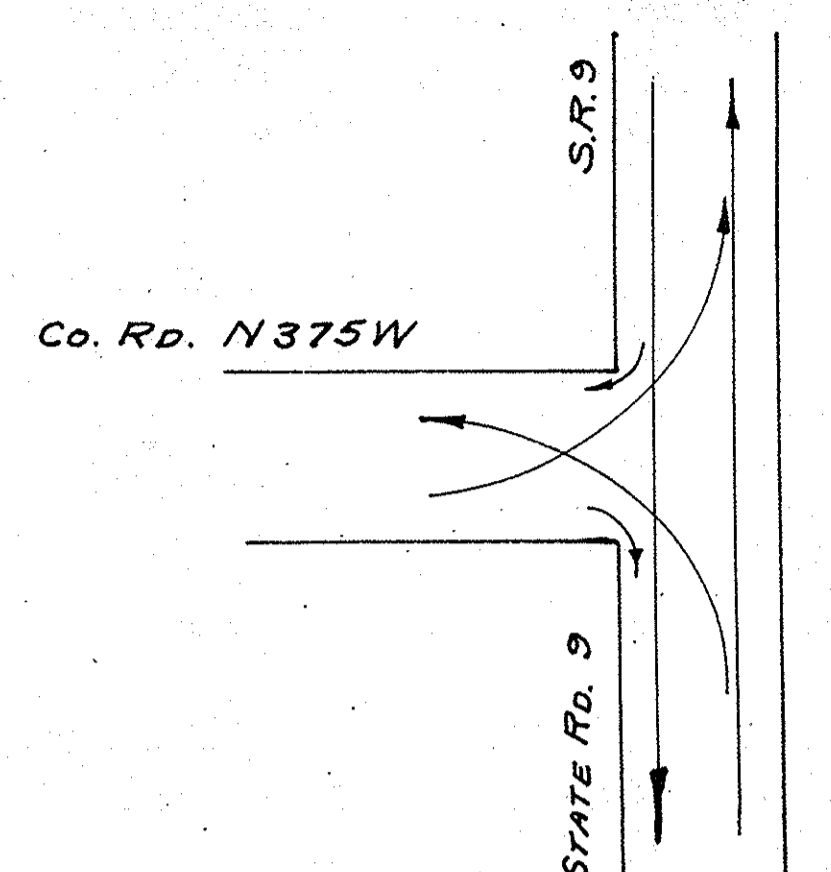


B.M. No. 8 Elev. 887.81 Cut in S.E. Cor. of Conc. Sidewalk 115' Lt. of Sta. 1083+16

FEDERAL ROAD DIVISION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	F83(2)	1960	25	44

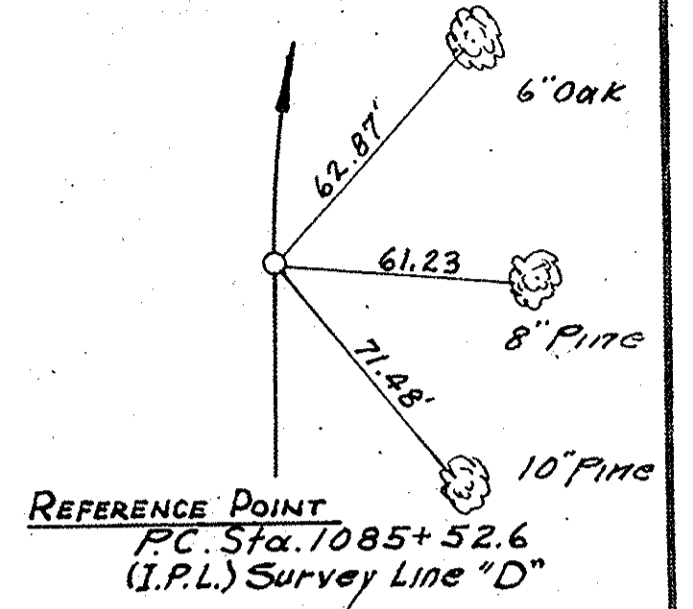
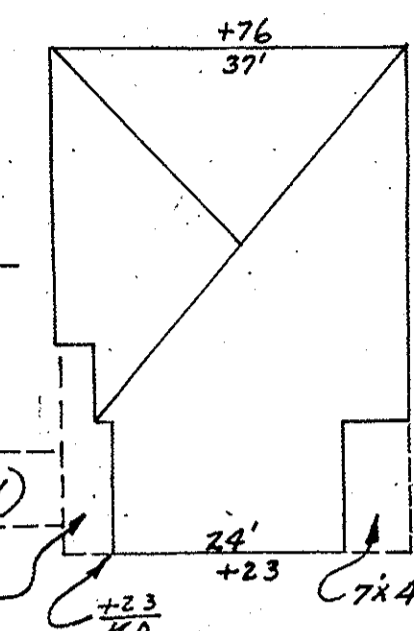
LEGEND

- ③ Longitudinal Joint
- ⑤ Butt Joint
- ⑦ Keyway Joint
- ⑧ 1" Preformed Expansion Jt. with Load Transfer
- ⑨ 1" Cork, Rubber or Fiber Expansion Joint
- ⑬ Concrete Curb
- ⑭ Integral Concrete Curb
- ⑮ Concrete Curb Type D
- ⑰ 6" Traffic Lane Stripe
- ⑱ Keyway Construction Joint
- Ⓐ Reinforced Concrete Pavement
- Ⓛ 3" Compacted Aggregate Base or Salvage Road Material with 330# per Sq. Yd. Hot Asphaltic Concrete Binder.
- Ⓣ Ear Construction, Type C.

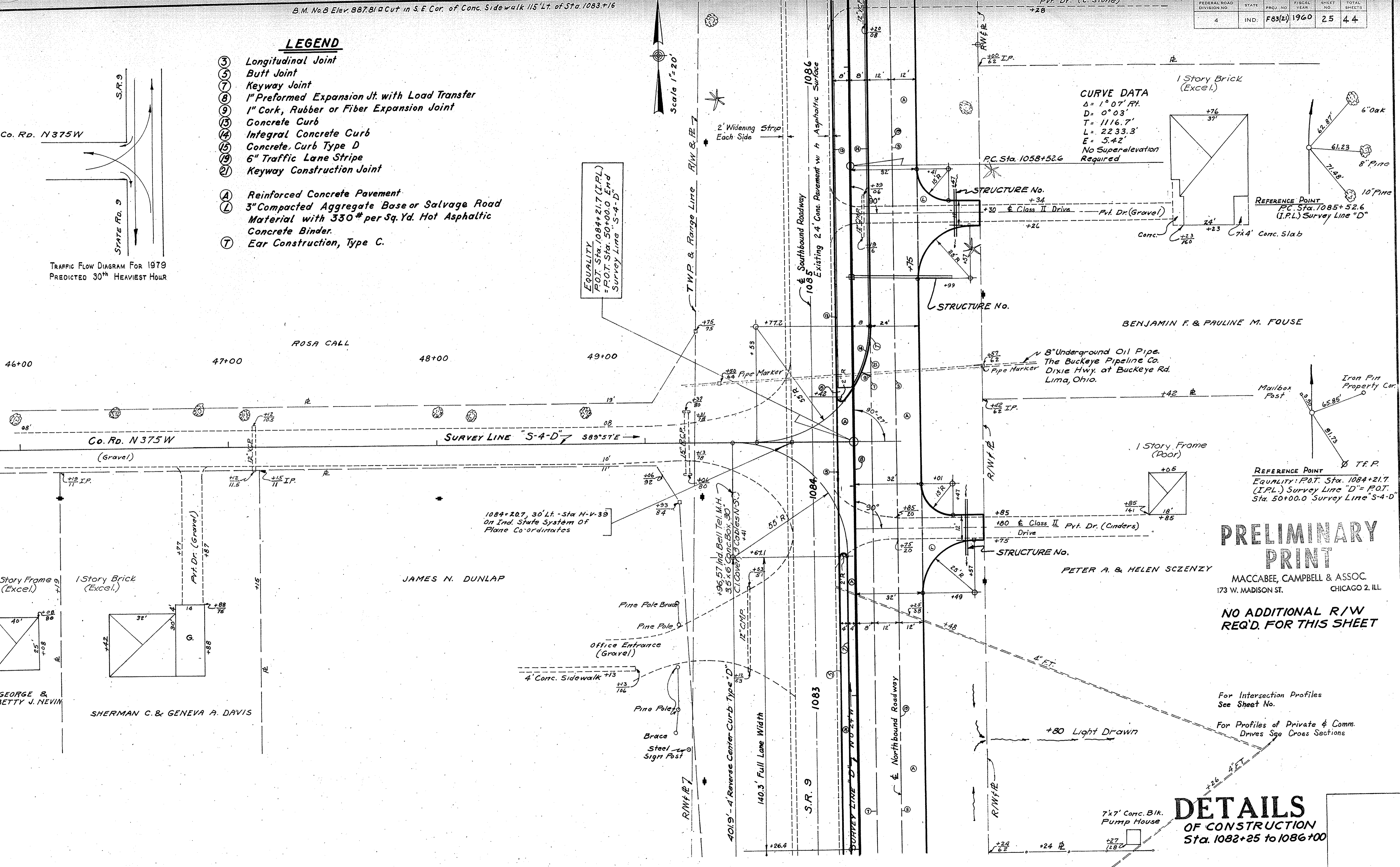


CURVE DATA
 $\Delta = 1^{\circ}07'$
 $D = 0^{\circ}03'$
 $T = 1116.7'$
 $L = 2233.3'$
 $E = 5.42'$
 No Superelevation Required

1 Story Brick (Excel.)



TRAFFIC FLOW DIAGRAM FOR 1979 PREDICTED 30th HEAVIEST HOUR



PRELIMINARY PRINT

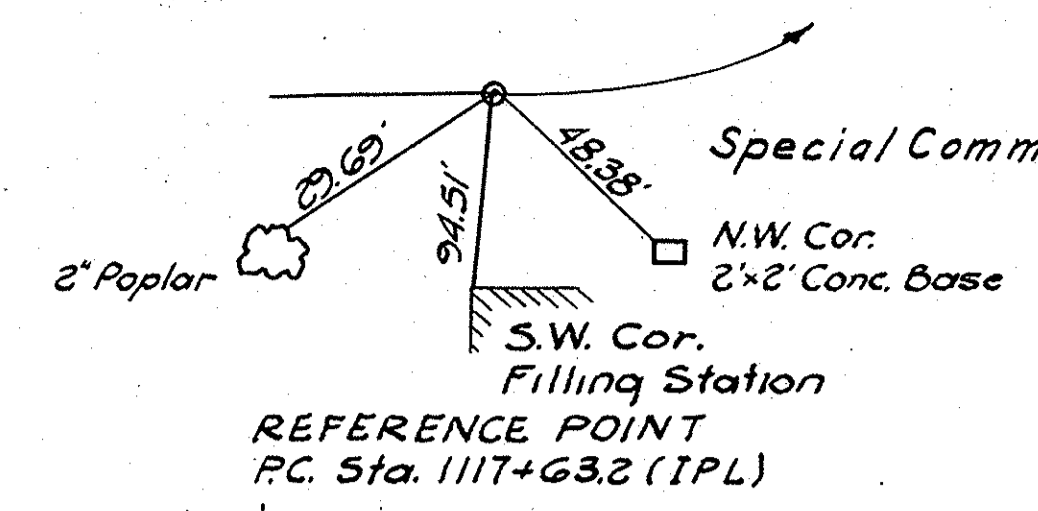
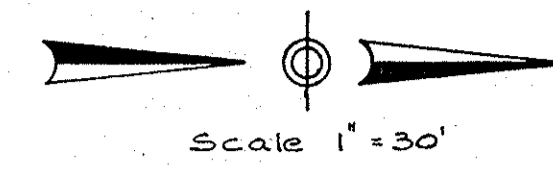
MACCABEE, CAMPBELL & ASSOC.
173 W. MADISON ST. CHICAGO 2, ILL.

NO ADDITIONAL R/W REQ'D. FOR THIS SHEET

For Intersection Profiles See Sheet No.
For Profiles of Private & Comm. Drives See Cross Sections

DETAILS OF CONSTRUCTION
Sta. 1082+25 to 1086+00

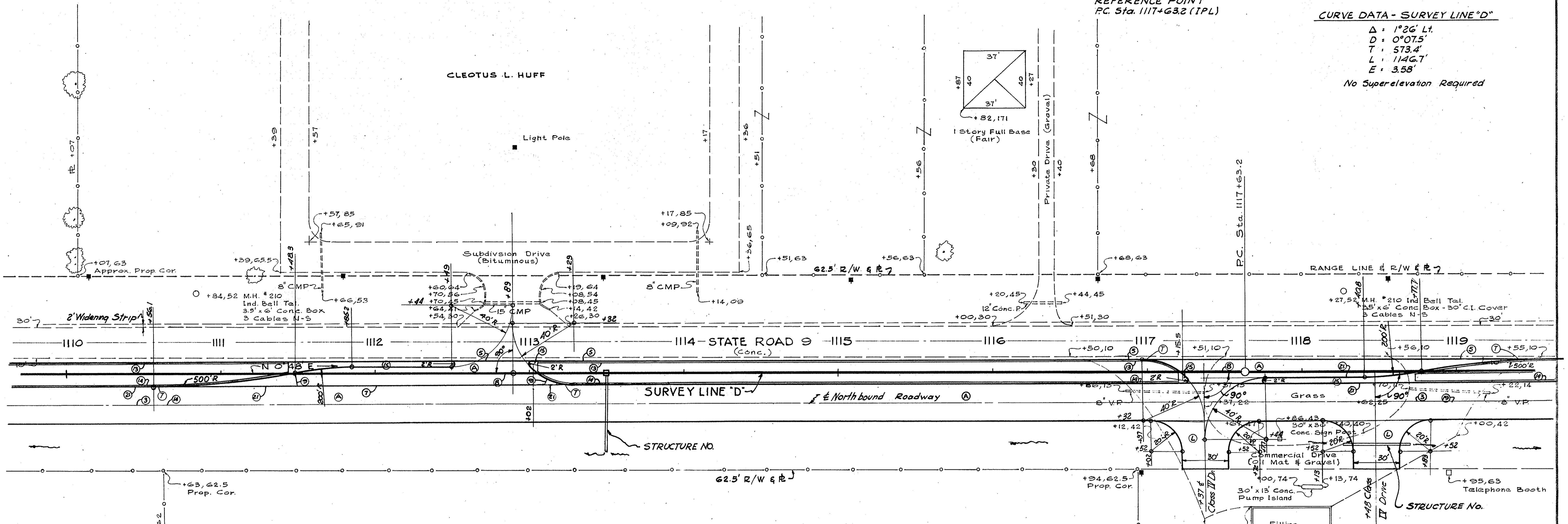
FEDERAL ROAD DIVISION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	F 83(2)	1960	26	44



CURVE DATA - SURVEY LINE 'D'

Δ: 1°26' Lt.
 D: 0°07.5'
 T: 573.4'
 L: 1146.7'
 E: 3.58'

No Superelevation Required



DAVID SIMS &
ARTIE MAE GARRISON

LEROY DALE BLACKLIDGE

- LEGEND**
- ③ Longitudinal Joint
 - ⑤ Butt Joint
 - ⑦ Keyway Joint
 - ⑧ 1" Preformed Expansion Jt. with Load Transfer
 - ⑨ 1" Cork, Rubber or Fiber Expansion Joint
 - ⑬ Concrete Curb
 - ⑭ Integral Concrete Curb
 - ⑮ Concrete Curb Type D
 - ⑰ 6" Traffic Lane Stripe
 - ⑱ Keyway Construction Joint
 - Ⓐ Reinforced Concrete Pavement
 - Ⓘ 3" Compacted Aggregate Base or Salvage Road Material with 330 # per Sq. Yd. Hot Asphaltic Concrete Binder.
 - Ⓣ Ear Construction, Type C.
 - ▨ Pavement Removal

PAUL F. &
LILLIE B. SCHMITT

PRELIMINARY PRINT

MACCABEE, CAMPBELL & ASSOC.
ENGINEERS

NO ADDITIONAL R/W
REQ'D. FOR THIS SHEET

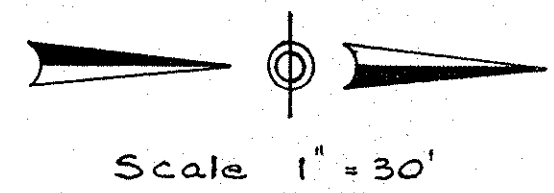
DETAILS
OF CONSTRUCTION
Sta. 1110+00 to 1119+00

FEDERAL ROAD DIVISION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	F 83(2)	1960	27	44

LEGEND

- ③ Longitudinal Joint
- ⑤ Butt Joint
- ⑦ Keyway Joint
- ⑧ 1" Preformed Expansion Jt. with Load Transfer
- ⑨ 1" Cork, Rubber or Fiber Expansion Joint
- ⑬ Concrete Curb
- ⑭ Integral Concrete Curb
- ⑮ Concrete Curb Type D
- ⑰ 6" Traffic Lane Stripe
- ⑱ Keyway Construction Joint

- Ⓐ Reinforced Concrete Pavement
- Ⓓ 3" Compacted Aggregate Base or Salvage road Material with 330# per Sq. Yd. Hot Asphaltic Concre Binder.
- Ⓙ Ear Construction, Type C.
- ▨ Pavement Removal

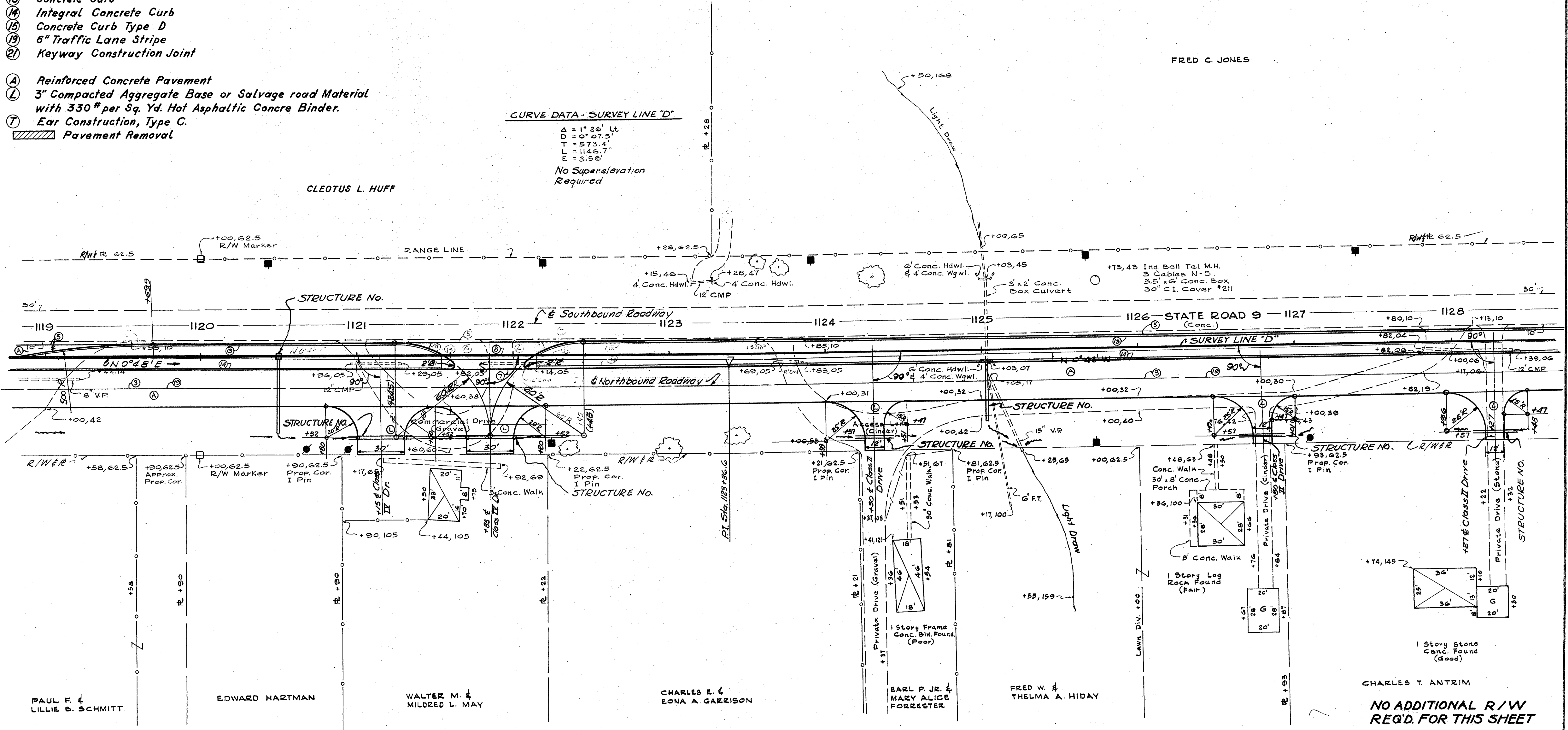


FRED C. JONES

CURVE DATA - SURVEY LINE "D"

$\Delta = 1^\circ 26' \text{ Lt}$
 $D = 0^\circ 07.5'$
 $T = 573.4'$
 $L = 1146.7'$
 $E = 3.58'$
 No Superelevation Required

CLEOTUS L. HUFF



PRELIMINARY PRINT
 MACCABEE, CAMPBELL & ASSOC.
 173 W. MADISON ST. CHICAGO 2, ILL.

DETAILS
 OF CONSTRUCTION
 Sta. 1119+00 to 1123+00

NO ADDITIONAL R/W REQ'D. FOR THIS SHEET

CONSTRUCT LINE S-6-D

B.M. No. 13 Elev. 889.07 X Cut in Top of Conc. Hdwl. 42' Lt. of Sta. 1138+71

Rev. 7-29-60, Class V Dr. Added Sta. 44+11.6 to 44+17.6

RICHLAND TWP. SEC. 18, T20N, R2E. MADISON COUNTY

FEDERAL ROAD DIVISION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	F-493(a)	1960	28	44

Rev. 8-21-69 Disposition of R/W @ 1150± RT. L. ZIEGLER REV. 5-24-76 DISPOSITION OF R/W @ STAT. 1150± LT. M.W. MYERS

LEGEND

- ③ Longitudinal Joint
- ④ Butt Joint
- ⑤ Keyway Joint
- ⑥ 1" Preformed Expansion Jt. With Load Transfer
- ⑦ 1" Cork, Rubber or Fiber Expansion Joint
- ⑧ Concrete Curb
- ⑨ Integral Concrete Curb
- ⑩ Concrete Curb Type D
- ⑪ 6" Traffic Lane Stripe
- ⑫ Keyway Construction Joint

- Ⓐ Reinforced Concrete Pavement
- Ⓜ 5" Compacted Aggregate Base or Salvage Road Material With 330# per Sq. Yd. Hot Asphaltic Concrete Binder.
- Ⓝ 3" Compacted Aggregate Base or Salvage Road Material With 330# per Sq. Yd. Hot Asphaltic Concrete Binder.
- Ⓞ Ear Construction, Type A
- Ⓟ Ear Construction, Type C
- Ⓠ 8" Concrete Base
- Ⓡ 210# per Sq. Yd. Hot Asphaltic Concrete Binder & 90# per Sq. Yd. Hot Asphaltic Concrete Surface, Type B
- Ⓢ Pavement Removal

END CONSTRUCTION STA. 51+60- Connect to Existing Pavement.

Disposition of R/W to John Broyles Per I.S.H.C. Resolution of Abandonment Dated 12-21-67

MACCABEE, CAMPBELL & ASSOC. 100' Easement. 173 W. MADISON ST. CHICAGO 2, ILL.

JAMES D. & MARTHA SARGENT BEING BOUGHT UNDER CONTRACT BY RALPH MIERS

OSCAR D. & JANE LEVI

WALTER W. & VIVIAN QUICK.

TRAFFIC FLOW DIAGRAM FOR 1979 - PREDICTED 30th HEAVIEST HOUR

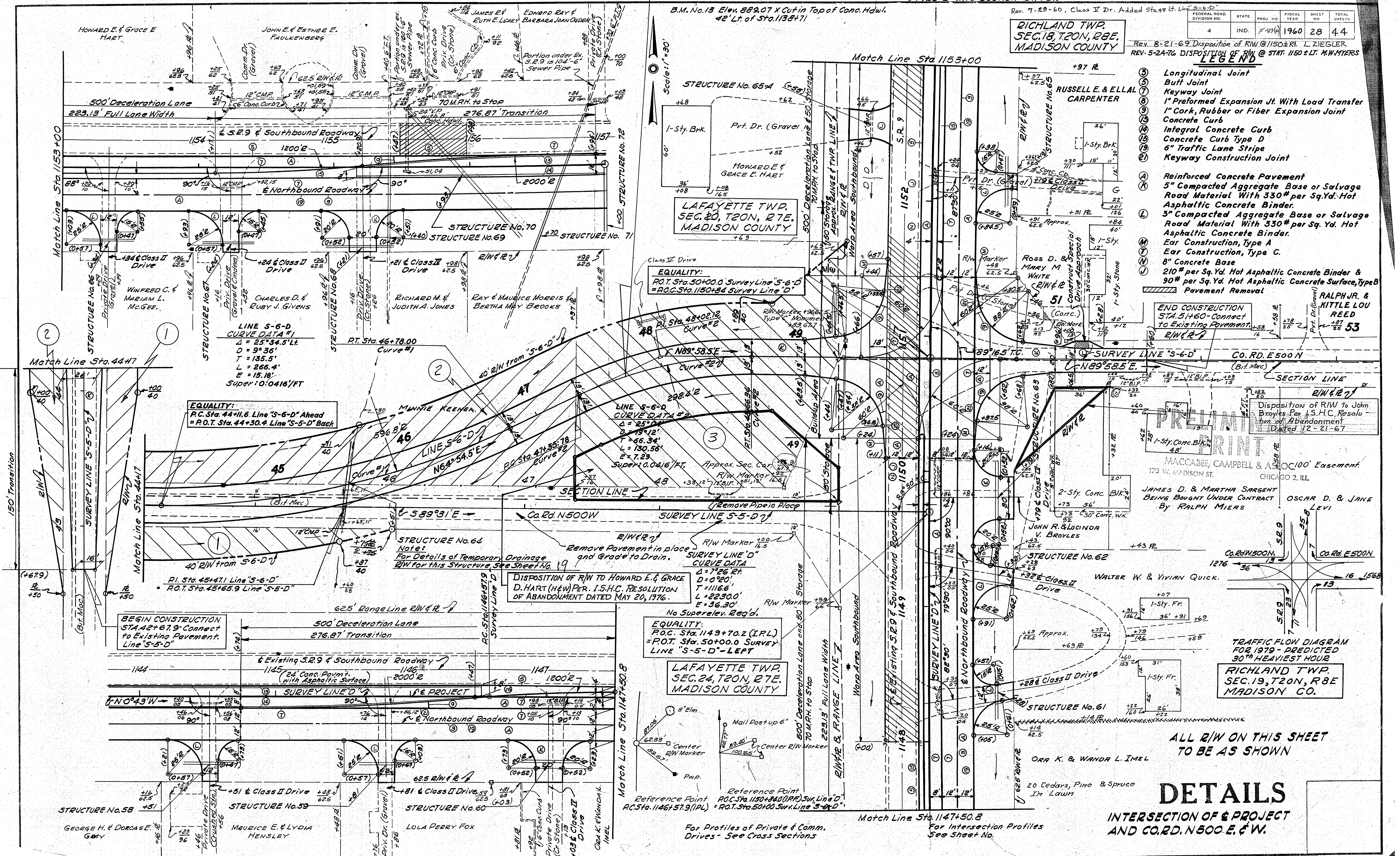
RICHLAND TWP. SEC. 19, T20N, R2E MADISON CO.

ORA K. & WANDA L. IMEL

20 Cedars, Pine & Spruce In Lawn

ALL R/W ON THIS SHEET TO BE AS SHOWN

DETAILS INTERSECTION OF PROJECT AND CO. RD. N500 E. & W.



EQUALITY:
 P.C. Sta. 44+11.6 Line "S-6-D" Ahead
 = P.O.T. Sta. 44+30.4 Line "S-5-D" Back

EQUALITY:
 P.O.T. Sta. 50+00.0 Survey Line "S-6-D"
 = P.O.C. Sta. 1150+84 Survey Line "D"

EQUALITY:
 P.O.C. Sta. 1149+70.2 (I.P.L.)
 = P.O.T. Sta. 50+00.0 SURVEY LINE "S-5-D" - LEFT

DISPOSITION OF R/W TO HOWARD E. & GRACE D. HART (N&W) PER I.S.H.C. RESOLUTION OF ABANDONMENT DATED MAY 20, 1976.

LAFAYETTE TWP. SEC. 20, T20N, R2E. MADISON COUNTY

Reference Point P.C. Sta. 1150+84 (I.P.L.) SURV. LINE "D"
 R.C. Sta. 1146+57.9 (I.P.L.) = P.O.T. Sta. 50+00 SURV. LINE "S-6-D"

For Intersection Profiles See Sheet No.

For Profiles of Private & Comm. Drives - See Cross Sections

FEDERAL ROAD DIVISION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	F83(2)	1960	29	44

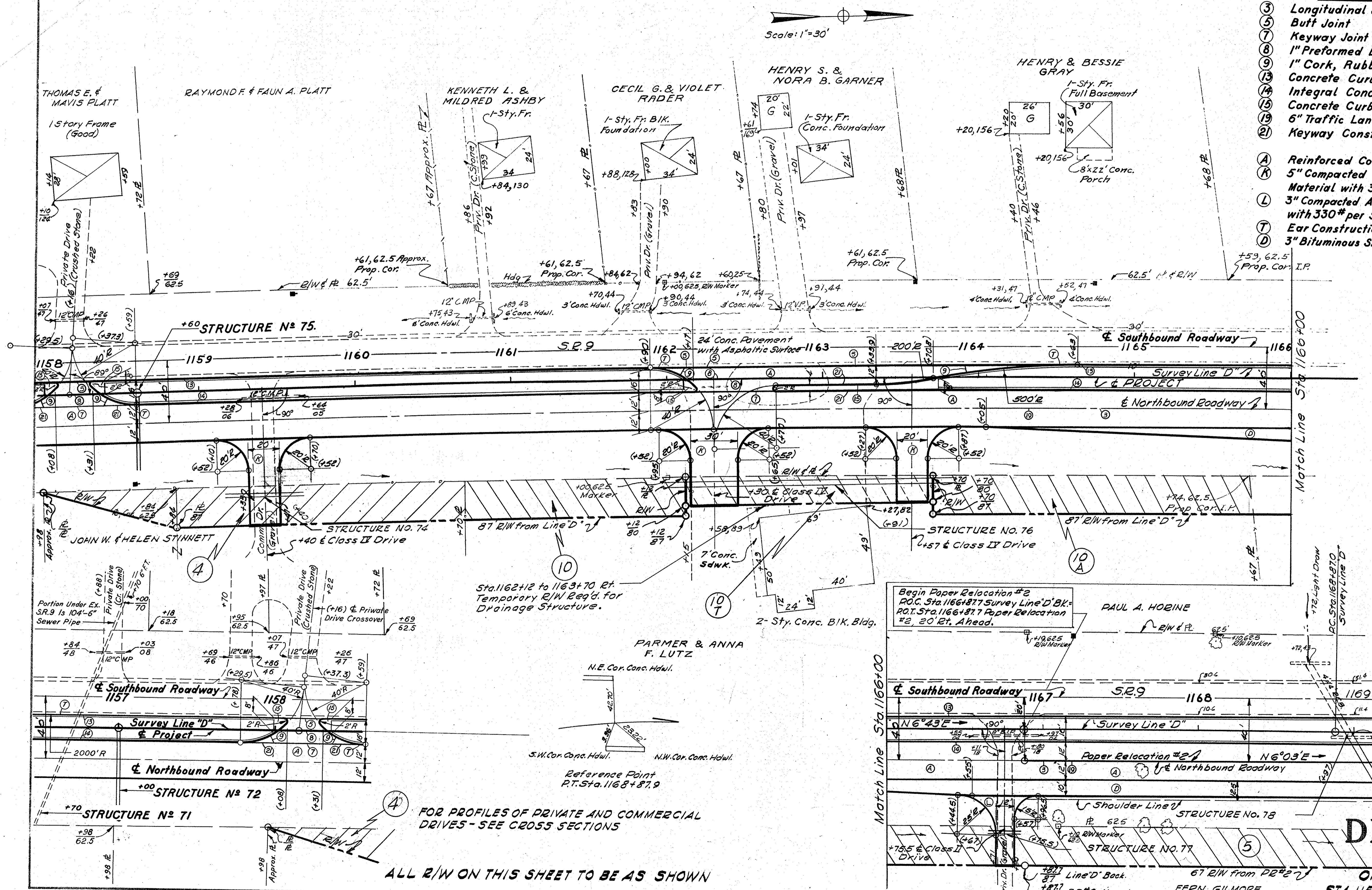
LEGEND

- ③ Longitudinal Joint
- ⑤ Butt Joint
- ⑦ Keyway Joint
- ⑧ 1" Preformed Expansion Jt. With Load Transfer
- ⑨ 1" Cork, Rubber or Fiber Expansion Joint
- ⑬ Concrete Curb
- ⑮ Integral Concrete Curb
- ⑯ Concrete Curb Type D
- ⑰ 6" Traffic Lane Stripe
- ⑱ Keyway Construction Joint
- Ⓐ Reinforced Concrete Pavement
- Ⓚ 5" Compacted Aggregate Base or Salvage Road Material with 330# per Sq. Yd. Hot Asphaltic Concrete Binder.
- Ⓛ 3" Compacted Aggregate Base or Salvage Road Material with 330# per Sq. Yd. Hot Asphaltic Concrete Binder.
- Ⓣ Ear Construction, Type C.
- ⓓ 3" Bituminous Shoulder on 6" of Compacted Aggregate.

CURVE DATA

Δ = 7°26' R.
D = 0°20'
T = 1116.6
L = 2230.0
E = 36.30

No Superelevation Req'd.



FOR PROFILES OF PRIVATE AND COMMERCIAL DRIVES - SEE CROSS SECTIONS

ALL R/W ON THIS SHEET TO BE AS SHOWN

PRELIMINARY PRINT

MACCADEE, CAMPBELL & ASSOC. CHICAGO 2, ILL.

CONSTRUCT PAPER RELOCATION #2 FOR STATIONS AND OFFSETS FOR PAPER RELOCATION No. 2 - SEE SHEET No.

DETAILS

OF CONSTRUCTION STA. 1158+00 TO 1169+00

PRINTED CIRCUIT BOARD

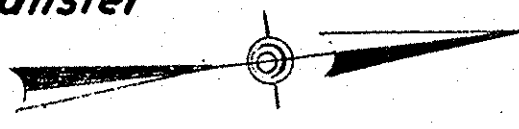
FEDERAL ROAD DIVISION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	F83(21)	1960	30	44

SURVEY LINE "D" CURVE DATA

$\Delta = 7^{\circ}26' RT$
 $D = 0^{\circ}20'$
 $T = 1116.6'$
 $L = 2230.0'$
 $E = 36.30'$

LEGEND

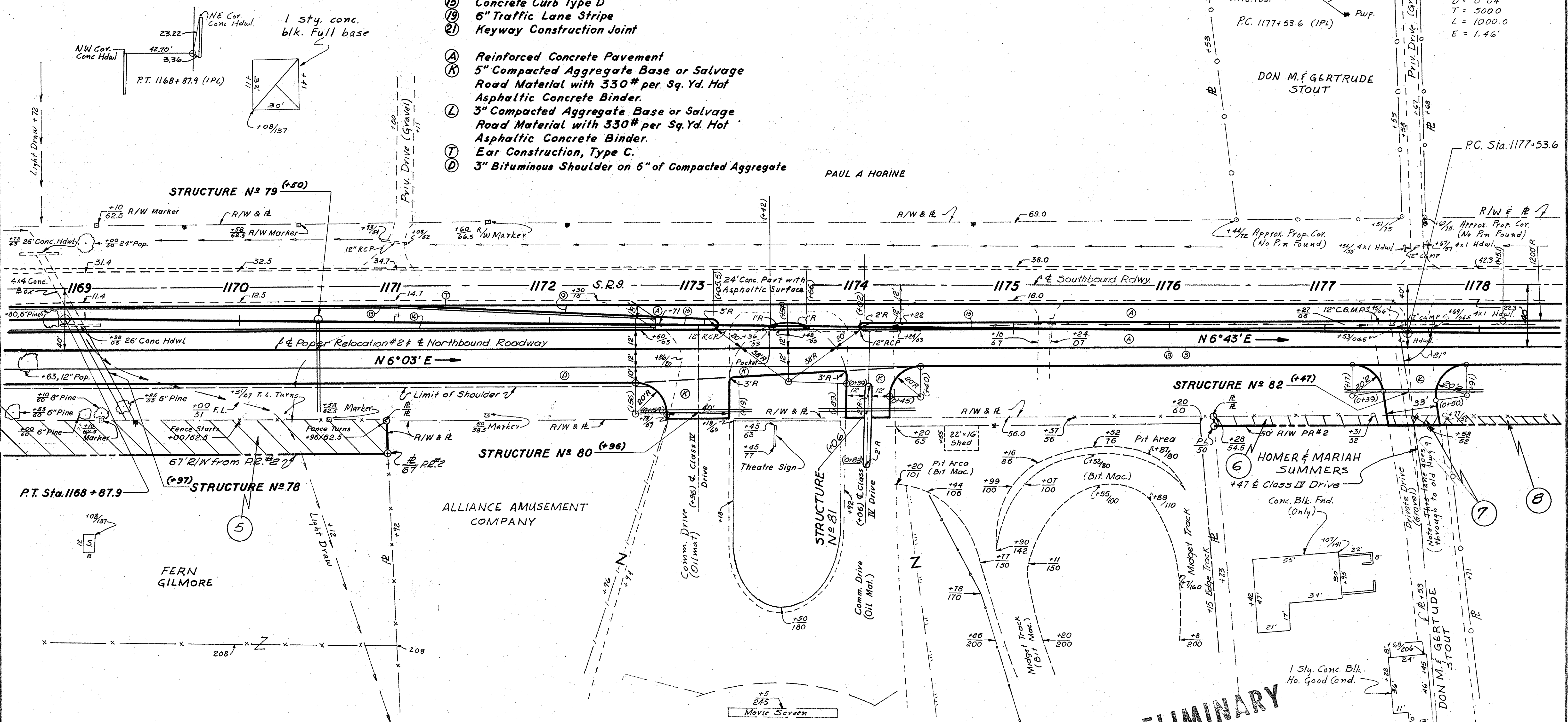
- ③ Longitudinal Joint
- ⑤ Butt Joint
- ⑦ Keyway Joint
- ⑧ 1" Preformed Expansion Jt. With Load Transfer
- ⑨ 1" Cork, Rubber or Fiber Expansion Joint
- ⑬ Concrete Curb
- ⑭ Integral Concrete Curb
- ⑮ Concrete Curb Type D
- ⑰ 6" Traffic Lane Stripe
- ⑱ Keyway Construction Joint
- Ⓐ Reinforced Concrete Pavement
- Ⓚ 5" Compacted Aggregate Base or Salvage Road Material with 330# per Sq. Yd. Hot Asphaltic Concrete Binder.
- Ⓛ 3" Compacted Aggregate Base or Salvage Road Material with 330# per Sq. Yd. Hot Asphaltic Concrete Binder.
- Ⓣ Ear Construction, Type C.
- ⓓ 3" Bituminous Shoulder on 6" of Compacted Aggregate



Scale 1"=30'

SURVEY LINE "D" CURVE DATA

$\Delta = 0^{\circ}40' LT.$
 $D = 0^{\circ}04'$
 $T = 5000'$
 $L = 1000.0'$
 $E = 1.46'$



PRELIMINARY PRINT
 MACCABEE, CAMPBELL & ASSOC.
 CHICAGO 2, ILL.

DETAILS

DETAIL OF INTERSECTION & OF PROJECT & ENTRANCE TO OUTDOOR THEATRE.

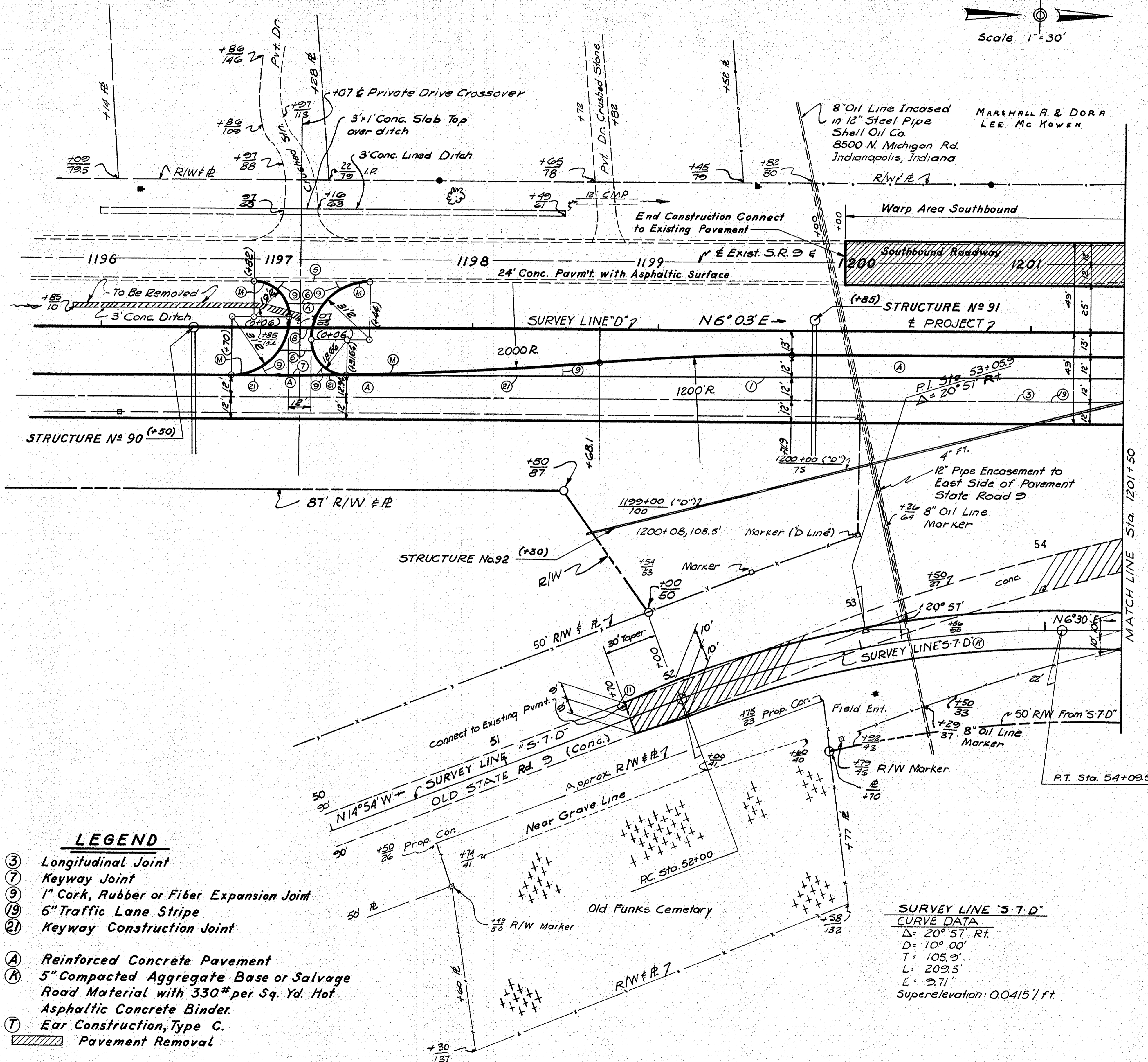
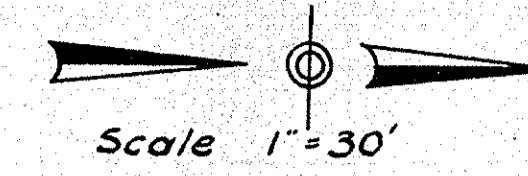
FOR STATIONS AND OFFSETS FOR PAPER RELOCATION No. 2 SEE SHEET No.

ALL R/W ON THIS SHEET TO BE AS SHOWN

FOR PROFILES OF COMMERCIAL DRIVES-SEE CROSS SECTIONS

PRINTED JUN 25 1960

FEDERAL ROAD DIVISION NO.	STATE	F PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	83(21)	1960	32	44



LEGEND

- ③ Longitudinal Joint
- ⑦ Keyway Joint
- ⑨ 1" Cork, Rubber or Fiber Expansion Joint
- ⑱ 6" Traffic Lane Stripe
- ② Keyway Construction Joint
- Ⓐ Reinforced Concrete Pavement
- Ⓒ 5" Compacted Aggregate Base or Salvage Road Material with 330* per Sq. Yd. Hot Asphaltic Concrete Binder.
- Ⓣ Ear Construction, Type C.
- ▨ Pavement Removal

PRELIMINARY PRINT

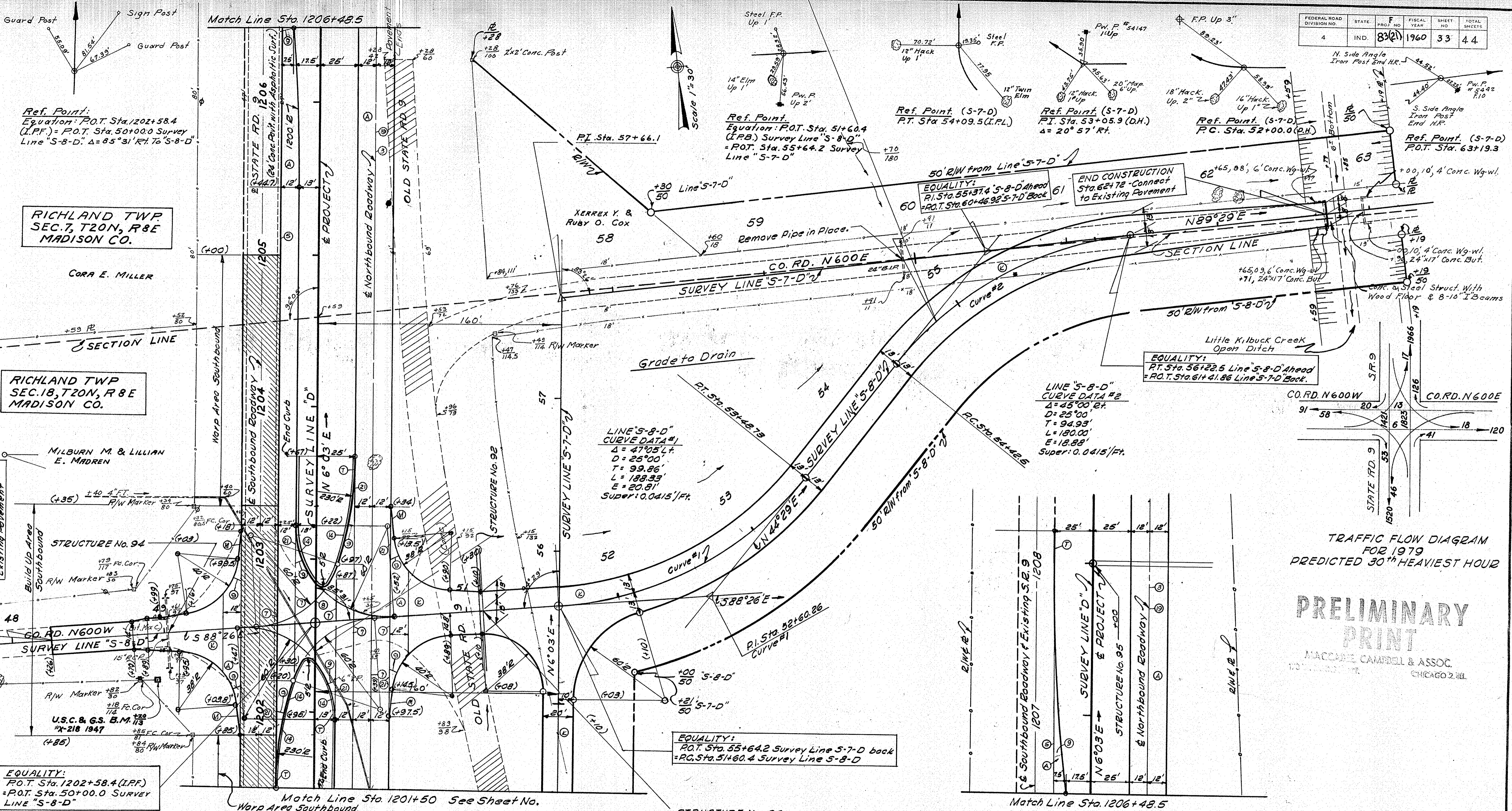
MACCABEE, CAMPBELL & ASSOC.
173 W. MADISON ST. CHICAGO 2, ILL.

ALL R/W ON THIS SHEET TO BE AS SHOWN

DETAILS
OF CONSTRUCTION
Sta. 1196+00 to 1201+50

CONSTRUCT LINE S-8-D

FEDERAL ROAD DIVISION NO.	STATE	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	1960	33	44



RICHLAND TWP
SEC. 7, T20N, R8E
MADISON CO.

RICHLAND TWP
SEC. 18, T20N, R8E
MADISON CO.

TRAFFIC FLOW DIAGRAM
FOR 1979
PREDICTED 30TH HEAVIEST HOUR

PRELIMINARY PRINT
MACCABE CAMPBELL & ASSOC.
130 N. LAUREL ST.
CHICAGO 2, ILL.

- LEGEND**
- ③ Longitudinal Joint
 - ⑤ Butt Joint
 - ⑥ Construction Joint
 - ⑦ Keyway Joint
 - ⑧ 1" Preformed Expansion Jt. with Load Transfer
 - ⑨ 1" Cork, Rubber or fiber Expansion Joint
 - ⑭ Integral Concrete Curb
 - ⑰ 6" Traffic Lane Stripe
 - ⑱ Keyway Construction Joint
 - Ⓐ Reinforced Concrete Pavement
 - Ⓚ 5" Compacted Aggregate Base or Salvage Road Material with 330 # per Sq. Yd. Hot Asphaltic Concrete Binder.
 - Ⓜ Ear Construction, Type A
 - Ⓣ Ear Construction, Type C
 - ▨ Pavement Removal

ALL R/W ON THIS SHEET
TO BE AS SHOWN

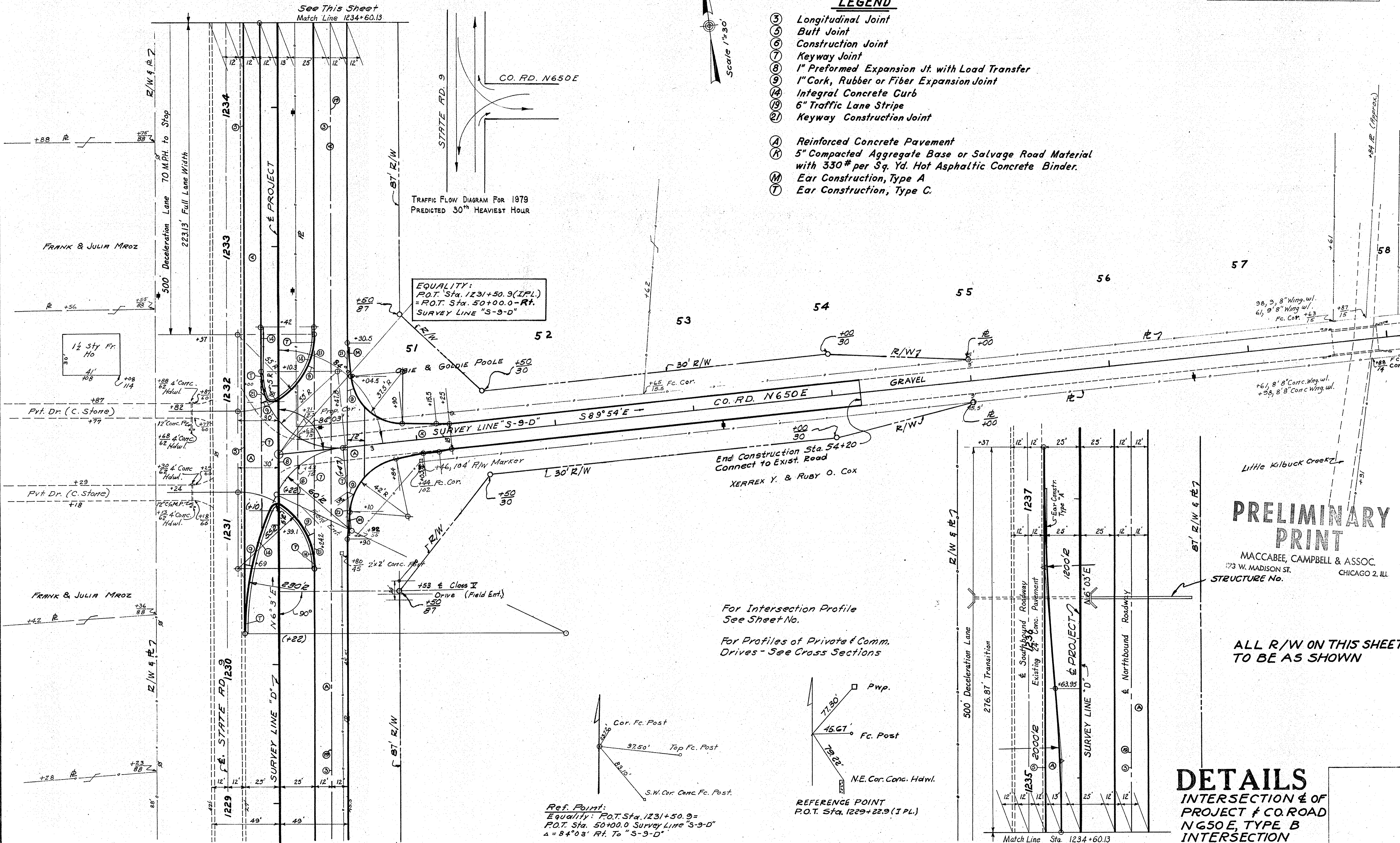
DETAILS
INTERSECTION E OF PROJECT
WITH Co. Rd. N600E & W AND
N600E WITH "S-8-D" & OLD STATE RD. 9

FEDERAL ROAD DIVISION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	F83(81)	1960	34	44

LEGEND

- ③ Longitudinal Joint
- ④ Butt Joint
- ⑤ Construction Joint
- ⑥ Keyway Joint
- ⑧ 1" Preformed Expansion Jt. with Load Transfer
- ⑨ 1" Cork, Rubber or Fiber Expansion Joint
- ⑩ Integral Concrete Curb
- ⑪ 6" Traffic Lane Stripe
- ⑫ Keyway Construction Joint
- Ⓐ Reinforced Concrete Pavement
- Ⓚ 5" Compacted Aggregate Base or Salvage Road Material with 330# per Sq. Yd. Hot Asphaltic Concrete Binder.
- Ⓜ Ear Construction, Type A
- Ⓣ Ear Construction, Type C.

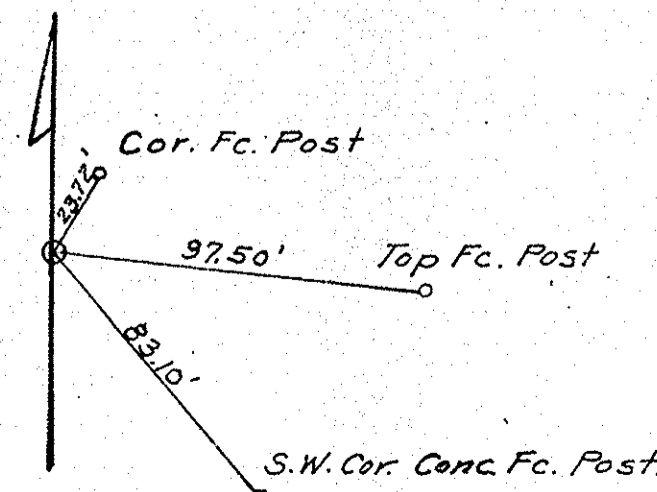
See This Sheet
Match Line 1234+60.13



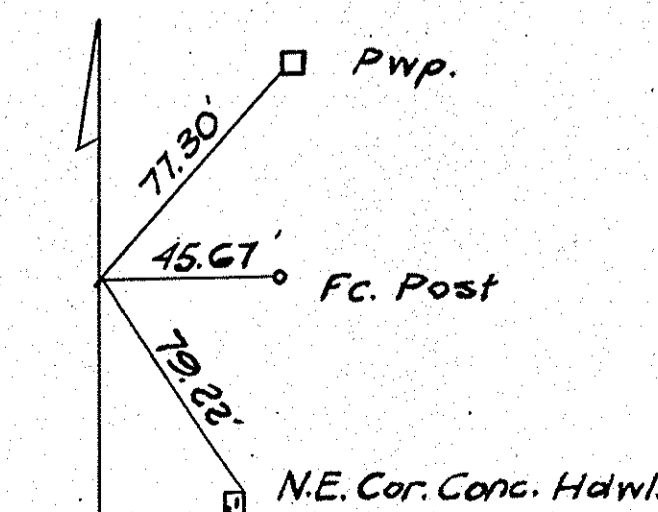
EQUALITY:
P.O.T. Sta. 1231+50.9 (I.P.L.)
= P.O.T. Sta. 50+00.0 - Rt.
SURVEY LINE "S-9-D"

For Intersection Profile
See Sheet No.

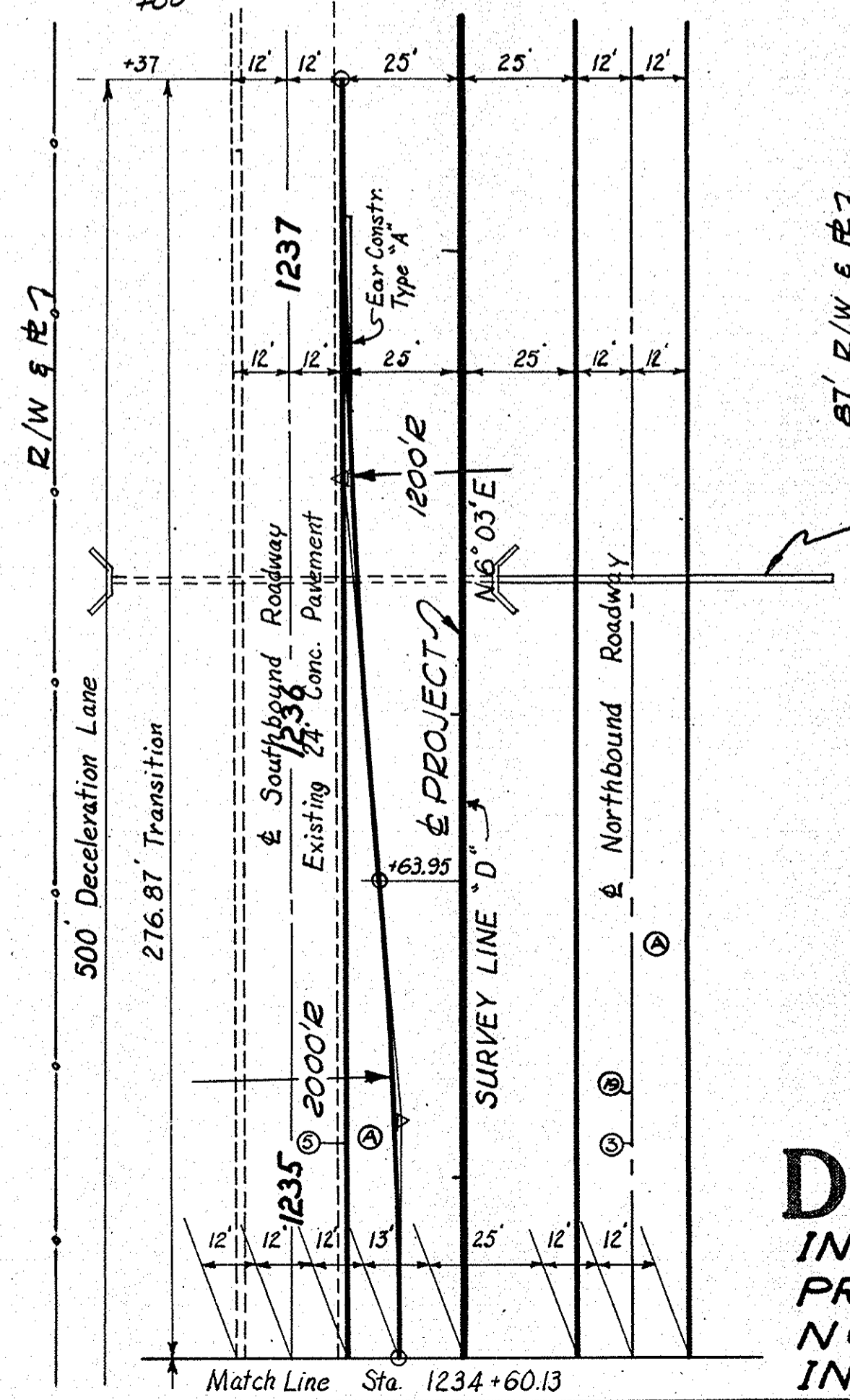
For Profiles of Private & Comm.
Drives - See Cross Sections



Ref. Point:
Equality: P.O.T. Sta. 1231+50.9 =
P.O.T. Sta. 50+00.0 Survey Line "S-9-D"
Δ = 84°03' Rt. To "S-9-D"



REFERENCE POINT
P.O.T. Sta. 1229+22.9 (I.P.L.)



PRELIMINARY PRINT

MACCABEE, CAMPBELL & ASSOC.
173 W. MADISON ST.
CHICAGO 2, ILL.

ALL R/W ON THIS SHEET
TO BE AS SHOWN

DETAILS
INTERSECTION & OF
PROJECT & CO. ROAD
N650E, TYPE B
INTERSECTION

FEDERAL ROAD DIVISION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	F83(21)	1960	35	44

LEGEND

- ③ Longitudinal Joint
- ⑥ Construction Joint
- ⑦ Keyway Joint
- ⑧ 1" Preformed Expansion Jt. with Load Transfer
- ⑨ 1" Cork, Rubber or Fiber Expansion Joint
- ⑭ Integral Concrete Curb
- ⑰ 6" Traffic Lane Stripe
- ⑳ Keyway Construction Joint
- Ⓐ Reinforced Concrete Pavement
- Ⓚ 5" Compacted Aggregate Base or Salvage Road Material with 330# per Sq. Yd. Hot Asphaltic Concrete Binder.
- Ⓜ Ear Construction, Type A
- Ⓣ Ear Construction, Type C.

PRELIMINARY PRINT

MACCABEE, CAMPBELL & ASSOC. CHICAGO

KENNETH R. & FRANCES VERMILLION 173 W. MADISON ST.

ROBERT L. THURSTON & PAUL G. PAINTER

LEON & CATHERINE H. CLEAVER

CLARENCE & FRANCES CARPENTER

OBIE & GOLDIE POOLE

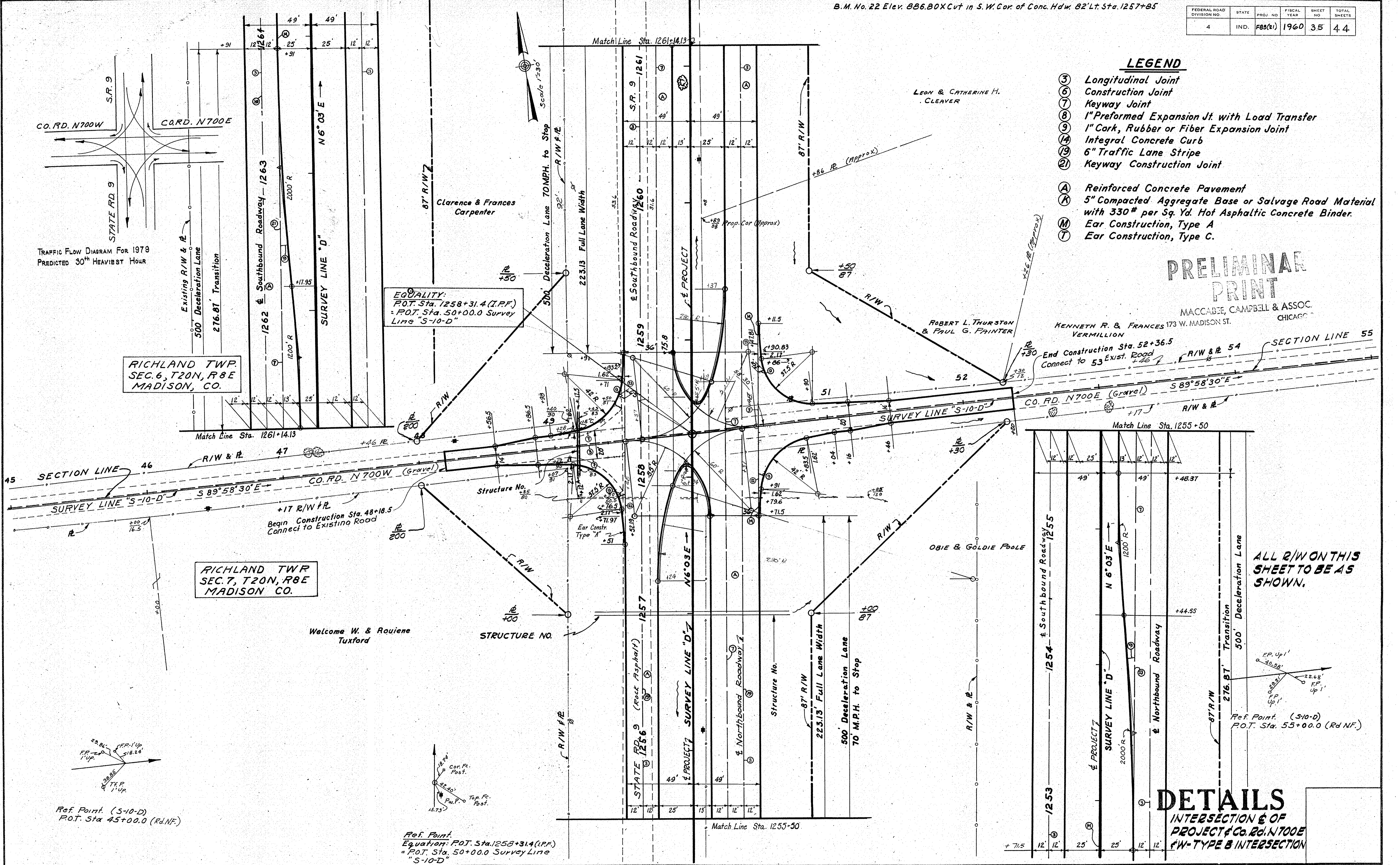
WELCOME W. & ROUIENE TUXFORD

RICHLAND TWP. SEC. 6, T20N, R8E MADISON, CO.

RICHLAND TWP. SEC. 7, T20N, R8E MADISON CO.

ALL R/W ON THIS SHEET TO BE AS SHOWN.

DETAILS
INTERSECTION OF PROJECT & CO. RD. N700E
W-TYPE B INTERSECTION



TRAFFIC FLOW DIAGRAM FOR 1979
PREDICTED 30TH HEAVIEST HOUR

EQUALITY:
P.O.T. Sta. 1258+31.4 (I.P.F.)
= P.O.T. Sta. 50+00.0 Survey
Line "S-10-D"

End Construction Sta. 52+36.5
Connect to 53 Exist. Road

Begin Construction Sta. 48+18.5
Connect to Existing Road

Ref. Point. (S-10-D)
P.O.T. Sta. 55+00.0 (Rd NF.)

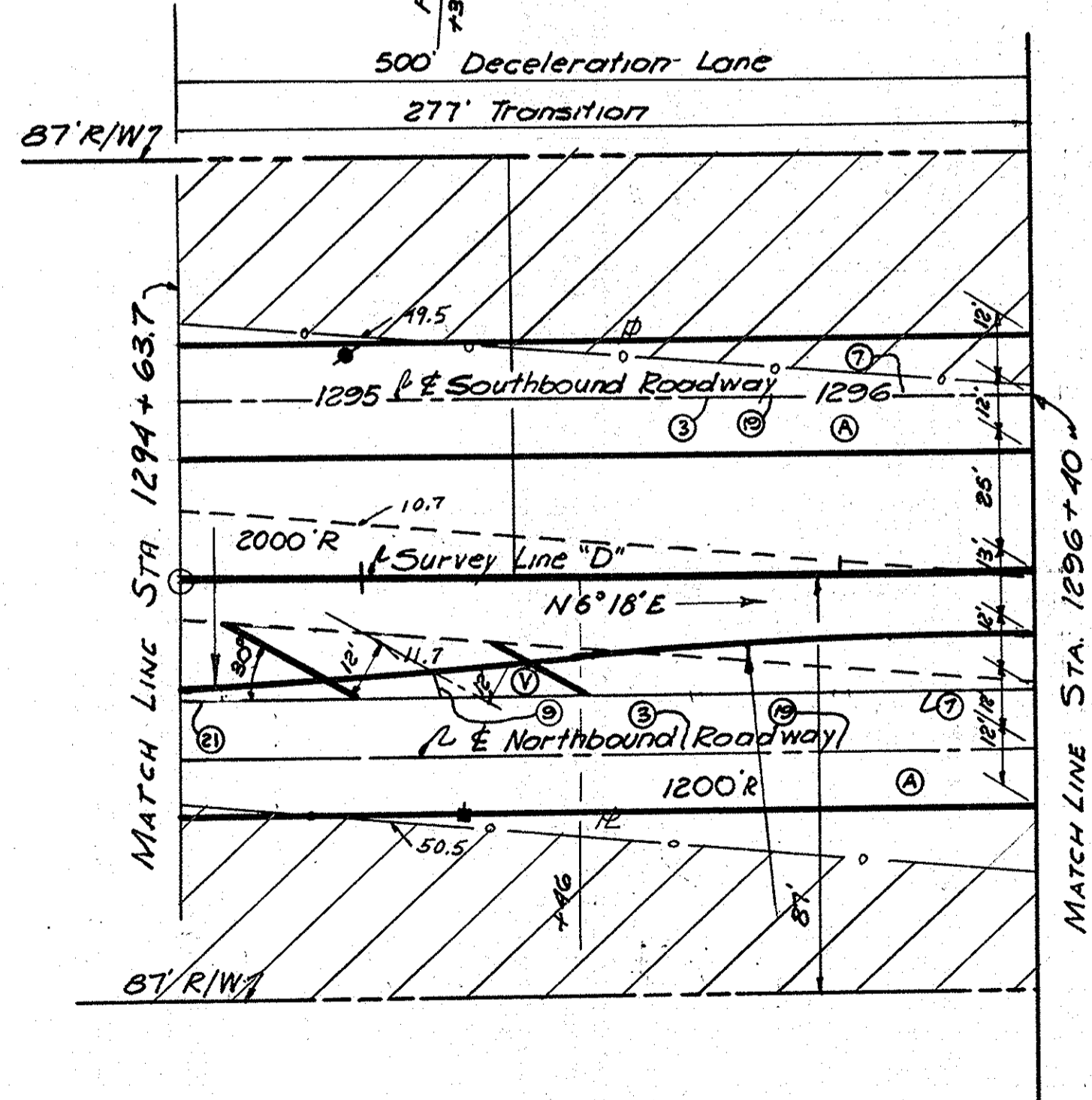
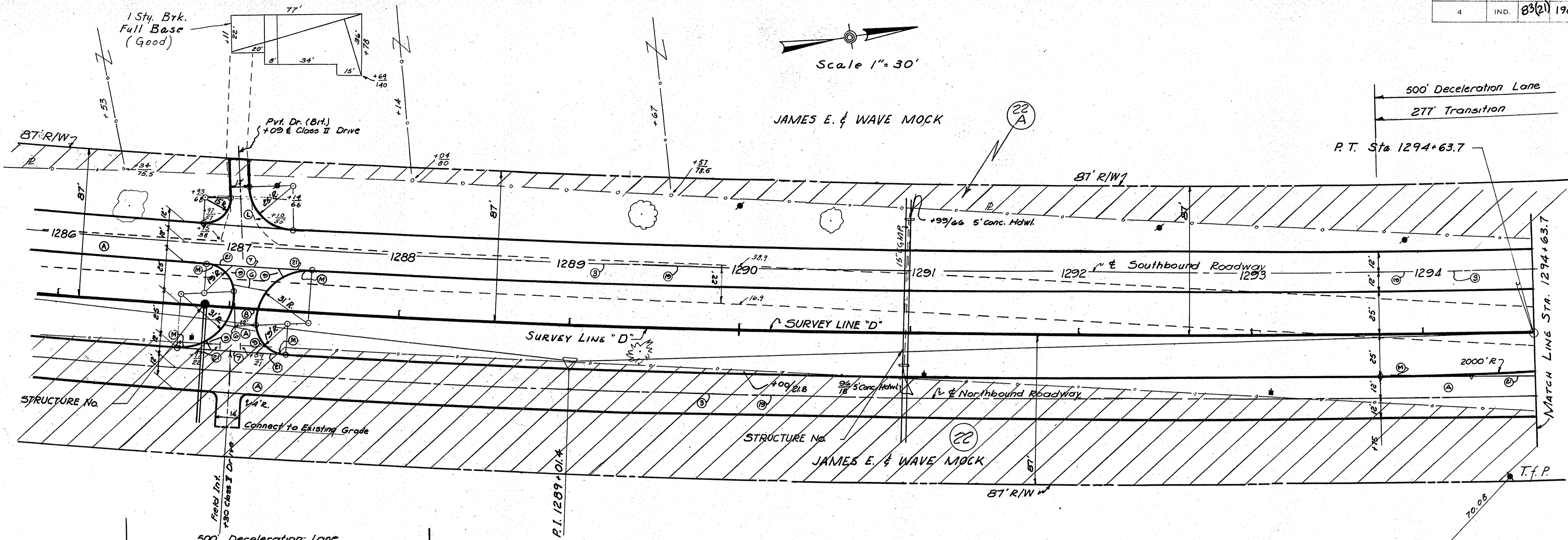
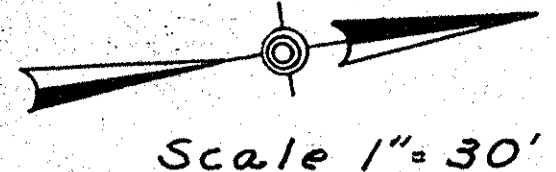
Ref. Point. (S-10-D)
P.O.T. Sta. 45+00.0 (Rd NF.)

Ref. Point.
Equation: P.O.T. Sta. 1258+31.4 (I.P.F.)
= P.O.T. Sta. 50+00.0 Survey Line
"S-10-D"

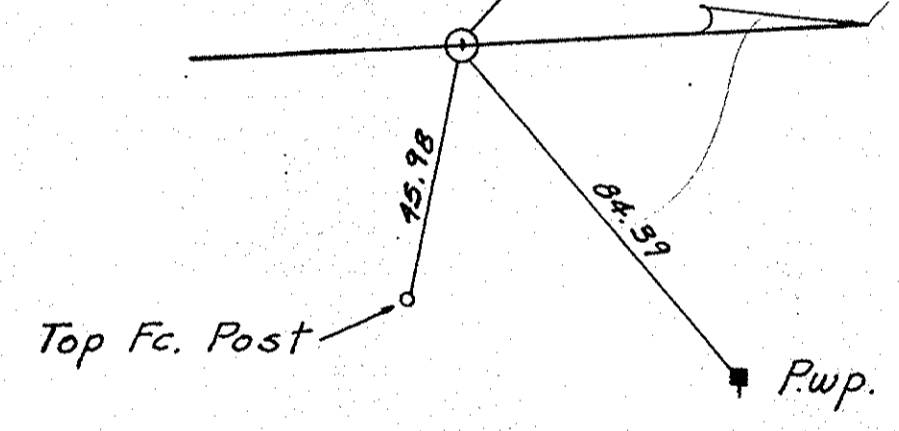
Private Dr. Crossover Req'd. Sta. 1287+09

Type II Temporary Crossover Req'd. Sta. 1295+00

FEDERAL ROAD DIVISION NO.	STATE	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	83(2)	36	44

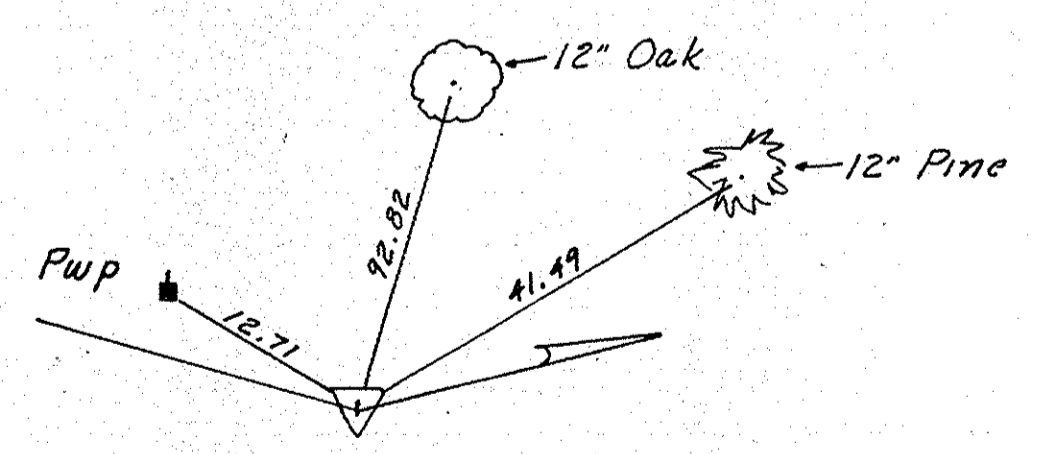


SURVEY LINE "D"
CURVE DATA
 $\Delta = 09^\circ 01' \text{ LT.}$
 $D = 00^\circ 48'$
 $T = 564.8'$
 $L = 1127.1'$
 $E = 22.25'$
 P.I. STA. 1289+01.4
 Super: Reverse Tilt Rt. Roadway



For Profiles of Private & Comm. Drives - See Cross Sections

P.T. Sta. 1294+63.7
 REFERENCE POINT



P.I. Sta. 1289+01.4 (I.P.F.)
 REFERENCE POINT

ALL R/W ON THIS SHEET TO BE AS SHOWN

PRELIMINARY PRINT
 MACCABEE, CAMPBELL & ASSOC.
 723 W. MADISON ST. CHICAGO 2, ILL.

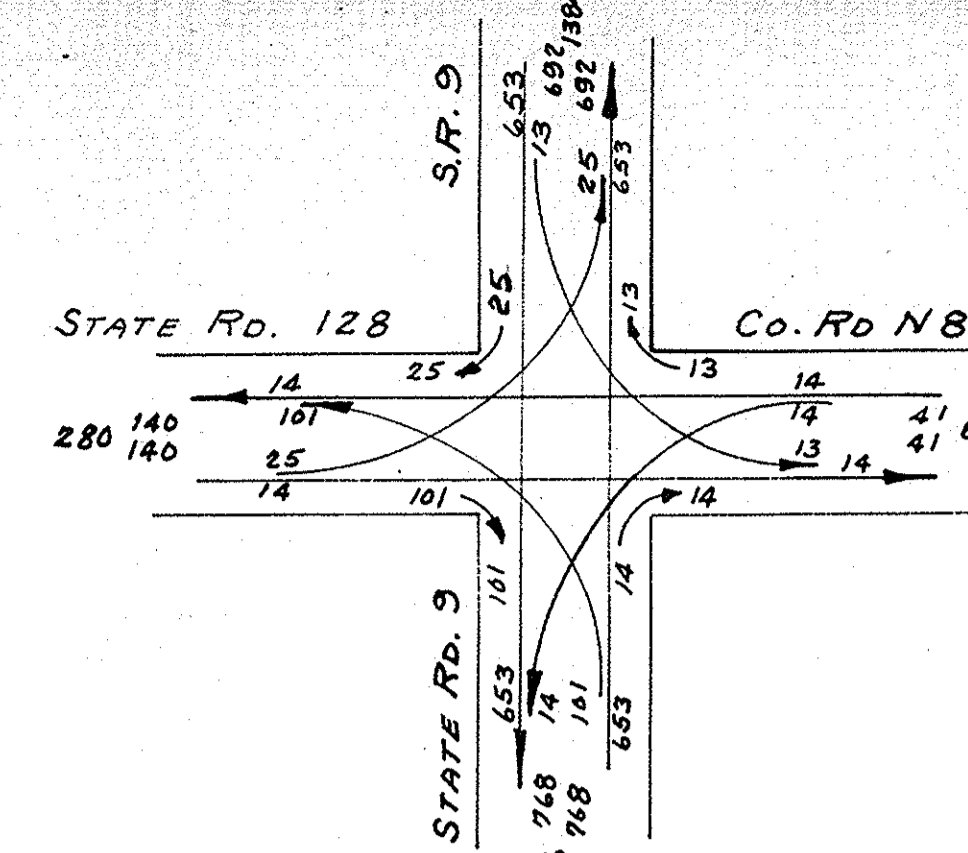
DETAILS
 OF CONSTRUCTION
 Sta. 1286+00 to 1296+00

CONSTRUCT PAPER RELOCATION #4

FEDERAL ROAD DIVISION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	F83(2)	1960	37	44

PAPER RELOCATION #4
 CURVE DATA
 $\Delta = 127^{\circ}12'14''$
 $D = 0^{\circ}30'$
 $T = 1224.63'$
 $L = 2440.0'$
 $E = 65.25'$

Special Public Road Crossover Req'd.
 Sta. 1299+22.7 Type "B" Intersection -
 Rt. & Special Intersection - Lt.



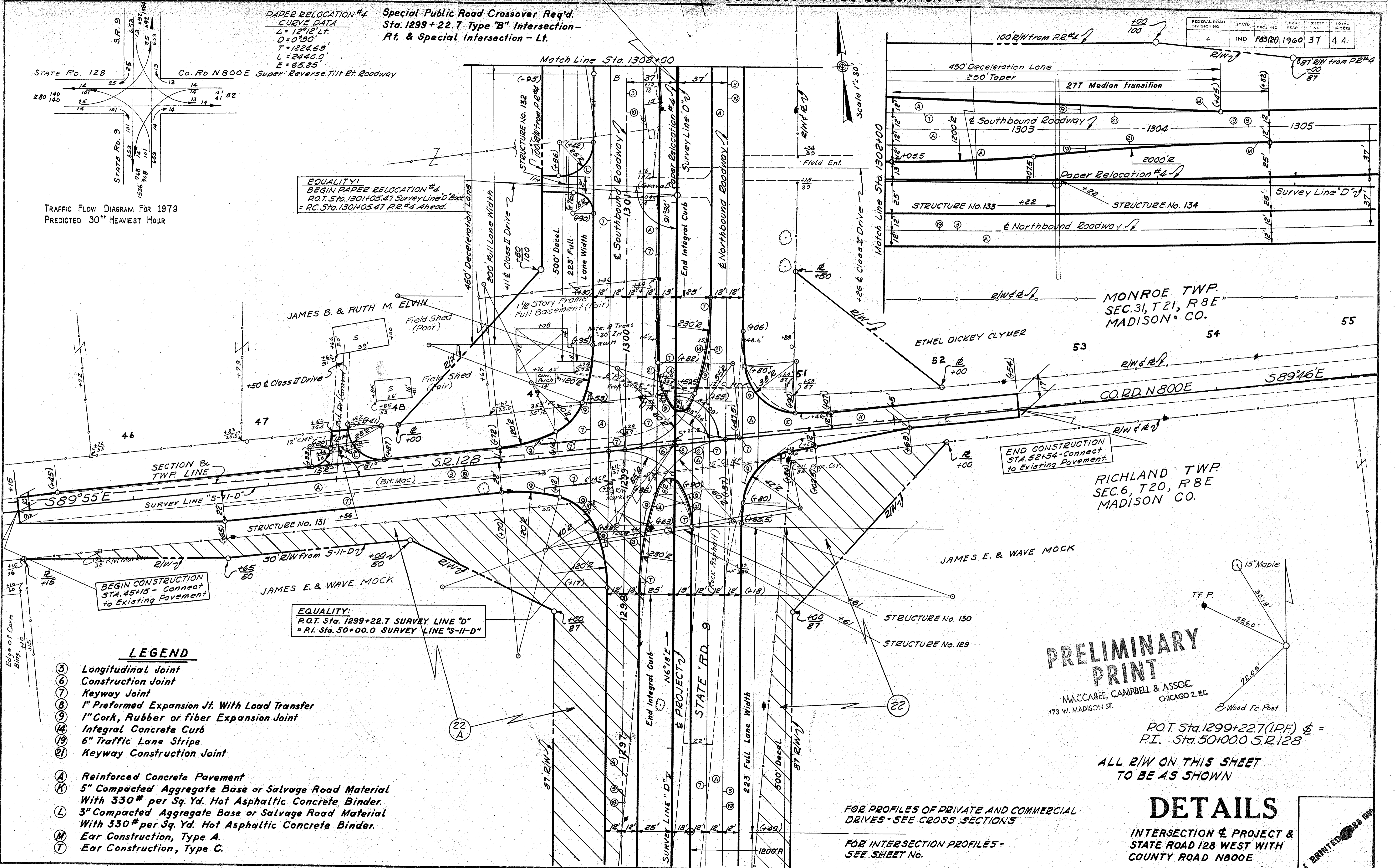
TRAFFIC FLOW DIAGRAM FOR 1979
 PREDICTED 30th HEAVIEST HOUR

EQUALITY:
 BEGIN PAPER RELOCATION #4
 P.O.T. Sta. 1301+05.47 SURVEY LINE "D" BACK
 = P.C. Sta. 1304+05.47 P.R. #4 AHEAD.

EQUALITY:
 P.O.T. Sta. 1299+22.7 SURVEY LINE "D"
 = P.I. Sta. 50+00.0 SURVEY LINE "S-11-D"

LEGEND

- ③ Longitudinal Joint
- ⑥ Construction Joint
- ⑦ Keyway Joint
- ⑧ 1" Preformed Expansion Jt. With Load Transfer
- ⑨ 1" Cork, Rubber or fiber Expansion Joint
- ⑭ Integral Concrete Curb
- ⑰ 6" Traffic Lane Stripe
- ⑳ Keyway Construction Joint
- (A) Reinforced Concrete Pavement
- (K) 5" Compacted Aggregate Base or Salvage Road Material With 330# per Sq. Yd. Hot Asphaltic Concrete Binder.
- (L) 3" Compacted Aggregate Base or Salvage Road Material With 330# per Sq. Yd. Hot Asphaltic Concrete Binder.
- (M) Ear Construction, Type A.
- (N) Ear Construction, Type C.



END CONSTRUCTION
 STA. 52+54 - Connect
 to Existing Pavement.

PRELIMINARY
 PRINT

MACCABEE, CAMPBELL & ASSOC.
 CHICAGO 2, ILL.
 173 W. MADISON ST.

P.O.T. Sta. 1299+22.7 (I.P.F.) \pm =
 P.I. Sta. 50+00.0 S.R. 128

ALL R/W ON THIS SHEET
 TO BE AS SHOWN

DETAILS

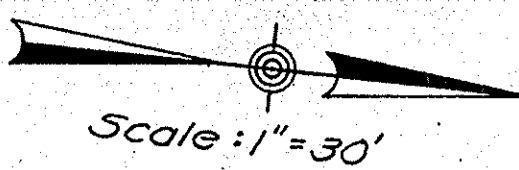
INTERSECTION & PROJECT &
 STATE ROAD 128 WEST WITH
 COUNTY ROAD N800E

FOR PROFILES OF PRIVATE AND COMMERCIAL
 DRIVES - SEE CROSS SECTIONS

FOR INTERSECTION PROFILES -
 SEE SHEET No.

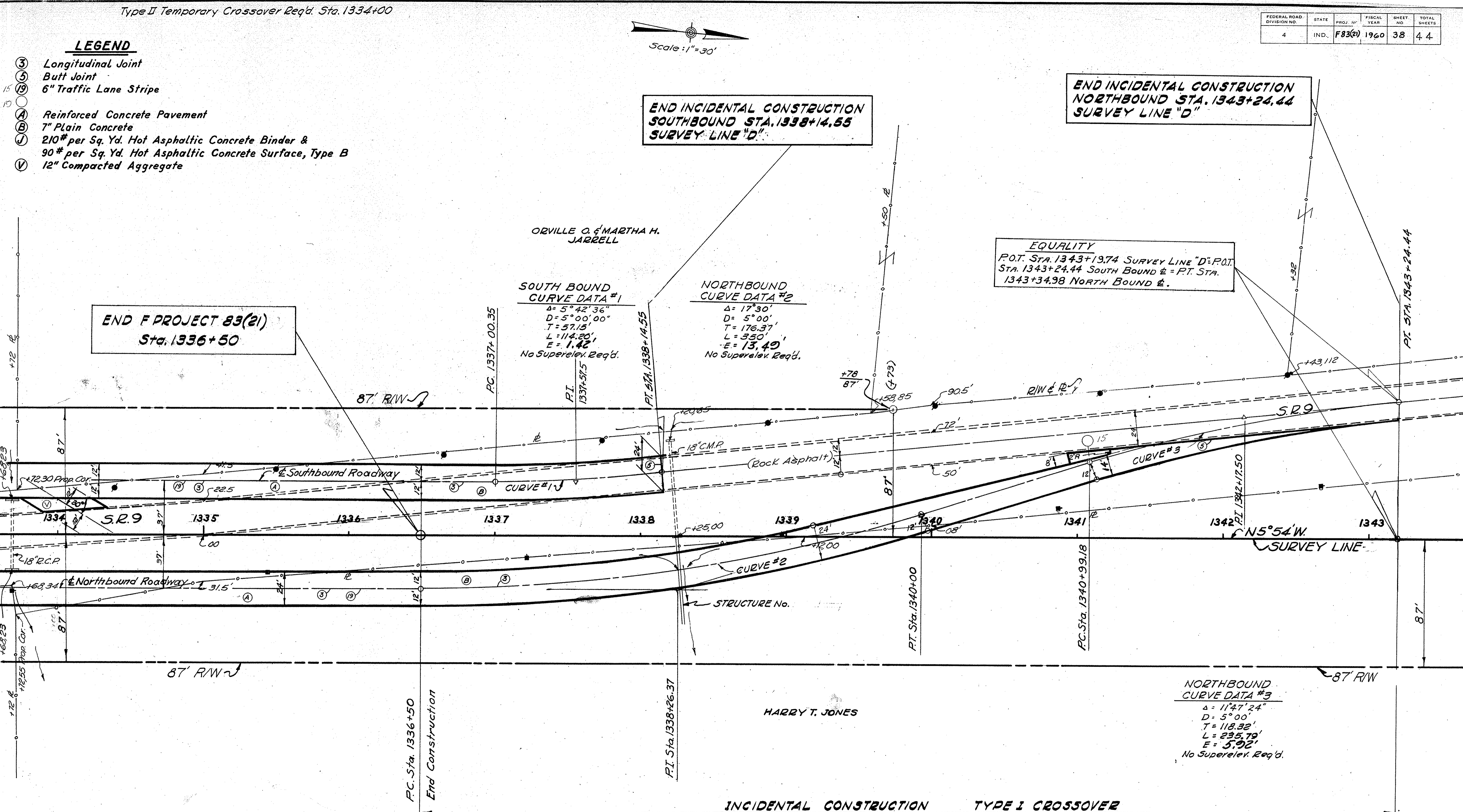


FEDERAL ROAD DIVISION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	F83(2)	1960	38	44



LEGEND

- ③ Longitudinal Joint
- ⑤ Butt Joint
- ⑬ 6" Traffic Lane Stripe
- ⑩ Reinforced Concrete Pavement
- ⑧ 7" Plain Concrete
- ④ 210# per Sq. Yd. Hot Asphaltic Concrete Binder & 90# per Sq. Yd. Hot Asphaltic Concrete Surface, Type B
- ⑥ 12" Compacted Aggregate



END F PROJECT 83(2)
Sta. 1336+50

END INCIDENTAL CONSTRUCTION
SOUTHBOUND STA. 1338+14.55
SURVEY LINE "D"

END INCIDENTAL CONSTRUCTION
NORTHBOUND STA. 1343+24.44
SURVEY LINE "D"

EQUALITY
P.O.T. STA. 1343+19.74 SURVEY LINE "D" P.O.T.
STA. 1343+24.44 SOUTH BOUND & = P.T. STA.
1343+34.98 NORTH BOUND &

SOUTH BOUND
CURVE DATA #1
Δ = 5° 42' 36"
D = 5° 00' 00"
T = 57.15'
L = 114.20'
E = 1.42'
No Superelev. Req'd.

NORTHBOUND
CURVE DATA #2
Δ = 17° 30'
D = 5° 00'
T = 176.37'
L = 350'
E = 13.49'
No Superelev. Req'd.

NORTHBOUND
CURVE DATA #3
Δ = 11° 47' 24"
D = 5° 00'
T = 118.32'
L = 235.79'
E = 5.92'
No Superelev. Req'd.

INCIDENTAL CONSTRUCTION TYPE I CROSSOVER
669.74'

For Profile of Type I Crossover
See Sheet #

PRELIMINARY
PRINT
MACCABEE, CAMPBELL & ASSOC.
173 W. MADISON ST. CHICAGO 2, ILL.

ALL R/W ON THIS SHEET TO BE AS SHOWN
DETAILS
OF CONSTRUCTION
STA. 1334+00 TO 1343+00

ESTIMATE OF QUANTITIES

FEDERAL ROAD REGION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	F83(2)	1960	40	44

Rev. 7-29-60, Class V Drive Added 57a, 48 L.F., Line 5-C-D.
Rev. 5-3-61 Reinf. Steel Revised.

GRADING		
ITEM	UNIT	QUANTITY
COMMON EXCAVATION	CYS.	79,410
SOLID ROCK EXCAVATION	CYS.	
UNCLASSIFIED EXCAVATION	CYS.	
SPECIAL BORROW	CYS.	16,124
OVERHAUL	CYS.	9044
ADDED HAUL	UNITS	3083
PEAT EXCAVATION	CYS.	
SURCHARGE - 4'	LFT.	
SURCHARGE - 4'-8'	LFT.	
SURCHARGE - 8'-12'	LFT.	
SURCHARGE - 12'-16'	LFT.	
SURCHARGE - 16'-20'	LFT.	
SURCHARGE - 20'-24'	LFT.	
MACHINE OPERATION	HRS.	
MACHINE AVAILABILITY	HRS.	
DYNAMITE	LBS.	
2" CASED TEST HOLES	LFT.	
4" CASED TEST HOLES	LFT.	
6" CASED TEST HOLES	LFT.	
2" CASED DYNAMITE HOLES	LFT.	
4" CASED DYNAMITE HOLES	LFT.	
6" CASED DYNAMITE HOLES	LFT.	
GRADE "B" SPECIAL BORROW	CYS.	8235
PAVEMENT REMOVAL	SYS.	7946
SURVAGED PAVEMENT	SYS.	
SURFACE REMOVAL	SYS.	
BREAKING PAVEMENT	SYS.	
CURB REMOVAL	LFT.	146
CENTER CURB REMOVAL	LFT.	
COMB. CURB & GUTTER REMOVAL	LFT.	
LIP GUTTER REMOVAL	LFT.	
GUTTER REMOVAL	LFT.	
WALK REMOVAL	SYS.	24
STEPS REMOVAL	SYS.	
GUARD RAIL SALVAGE	LFT.	
RETAINING WALL REMOVAL	LFT.	
RETAINING WALL REMOVAL	CYS.	7
PAVED SIDE DITCH REMOVAL	LFT.	202
SALVAGED ROAD MATERIAL	CYS.	

PAVEMENT		
ITEM	UNIT	QUANTITY
SUBBASE TYPE "I-O2" II"	CYS.	26,130
SALVAGED ROAD MATERIAL FOR SUBBASE	CYS.	
H.E.S. PLAIN CONCRETE	SYS.	
REINFORCED CONCRETE 9"	SYS.	117,004
PLAIN CONCRETE 7"	SYS.	1858
H.E.S. REINFORCED CONCRETE	SYS.	
PLAIN CEMENT CONCRETE FOR CROSPOVERS 6"	SYS.	2300
BITUMINOUS MIXTURE FOR CROSPOVERS	TONS	
COVERING AGGREGATE	TONS	
SUBGRADE FINE AGGREGATE	TONS	
COMPACTED AGGREGATE	TONS	
PRIVATE DRIVE PAVEMENT	SYS.	
COMMERCIAL DRIVE PAVEMENT	SYS.	
REINFORCING STEEL	LBS.	10,516
CONTRACTION JOINTS, TYPE "D-1"	LFT.	26,236
1" PREFORMED JOINT FILLER	LFT.	680
1" PREFORMED EXPANSION JOINT WITH LOAD TRANSFER	LFT.	451
3" EXPANSION JOINT	LFT.	
CONCRETE BASE 8"	SYS.	1064
H.E.S. CONCRETE BASE	SYS.	
CONCRETE PATCHES	SYS.	
CONCRETE PATCHES CLASS I	SYS.	
CONCRETE PATCHES CLASS II	SYS.	
CONCRETE PATCHES CLASS III	SYS.	
CONCRETE PATCHES CLASS IV	SYS.	320
CONCRETE WIDENING	SYS.	
FILLING CRACKS AND JOINTS	TONS	
BITUMINOUS MATERIAL FOR UNDERSEAL	TONS	
DRILLING HOLES	EACH	
COMPACTED AGGREGATE SHOULDER	TONS	9346
CALCIUM CHLORIDE	TONS	7.94
AGGREGATE FOR COMPACTED AGGREGATE BASE	TONS	550
WATER FOR COMPACTED AGGREGATE BASE	M.GALS.	
AGGREGATE FOR SHOULDER DRAINS	TONS	
BITUMINOUS MATERIAL FOR PRIME	TONS	27
BITUMINOUS MATERIAL FOR SEAL	TONS	
COVERING AGGREGATE	TONS	46
HOT ASPHALTIC CONCRETE BINDER (1)	TONS	3159
HOT ASPHALTIC CONCRETE SURFACE TYPE "B"	TONS	67
BITUMINOUS COATED BLENDED AGGREGATE BINDER (1)	TONS	
BITUMINOUS COATED BLENDED AGGREGATE SURFACE	TONS	
BITUMINOUS COATED AGGREGATE BINDER (1)	TONS	
BITUMINOUS COATED AGGREGATE SURFACE	TONS	

MISCELLANEOUS		
ITEM	UNIT	QUANTITY
BITUM. MIXTURE FOR APPROACHES	TONS	
SALVAGED SURFACE MATERIAL FOR APPROACHES	CYS.	2975
BITUMINOUS SHOULDER	TONS	
BITUMINOUS MATERIAL FOR SEAL COVERING AGGREGATE	TONS	
6" HAND LAID RIP RAP	SYS.	
12" HAND LAID RIP RAP	SYS.	
GRouted RIP RAP	SYS.	
PLACING GRouted RIP RAP	SYS.	
PLACING 6" HAND LAID RIP RAP	SYS.	
PLACING 12" HAND LAID RIP RAP	SYS.	
PRECAST CONCRETE RIP RAP	SYS.	
STANDARD LIP GUTTER	LFT.	
PAVED SIDE DITCH, TYPE "A"	LFT.	2650
PAVED SIDE DITCH, TYPE "B"	LFT.	
PAVED SIDE DITCH, TYPE "C"	LFT.	
INTEGRAL CONCRETE CURB	LFT.	11,000
INTEGRAL CONCRETE CURB TYPE "B"	LFT.	
BITUMINOUS CURB	LFT.	
CONCRETE CURB	LFT.	7200
CONCRETE CURB TYPE "B"	LFT.	
CONCRETE GUTTER	LFT.	
COMB. CONC. CURB AND GUTTER	LFT.	
RECONSTRUCTED CONC. CURB	LFT.	
RECONSTRUCTED CONC. GUTTER	LFT.	
RECONSTRUCTED COMB. CONC. CURB AND GUTTER	LFT.	
RESET CURB	LFT.	
RESET COMB. CONC. CURB & GUTTER	LFT.	
CONCRETE CENTER CURB	LFT.	
SPECIAL CONCRETE CENTER CURB TYPE "D"	SYS.	1669
FLEXIBLE STEEL PLATE GUARDRAIL	LFT.	
STEEL BEAM GUARD RAIL	LFT.	
SHOP CURVED STEEL BEAM GUARDRAIL	LFT.	
DOUBLE FACE STEEL BEAM GUARDRAIL	LFT.	
WIRE ROPE GUARD RAIL	LFT.	
WOVEN WIRE FABRIC GUARD RAIL	LFT.	
GUARD RAIL	LFT.	
RESETTING FLEXIBLE STEEL PLATE GUARD RAIL	LFT.	
GUARD RAIL	LFT.	
GUARD RAIL POSTS	EA.	
RESETTING STEEL BEAM GUARD RAIL	LFT.	
RESETTING WIRE ROPE GUARD RAIL	LFT.	
RESET WOVEN WIRE FABRIC G. RAIL	LFT.	
GUARD FENCE	LFT.	
GUIDE POSTS, TYPE "A"	EA.	104
GUIDE POSTS, TYPE "B"	EA.	108
BARRICADES, TYPE "A"	EA.	3
BARRICADES, TYPE "B"	EA.	14
TYPICAL SIGN STANDARDS	EA.	33
RAILROAD CROSSING SIGN, TYPE "A"	EA.	
RAILROAD CROSSING SIGN, TYPE "B"	EA.	
ADVANCE RAILROAD WARNING SIGN	EA.	
CONCRETE HEADER	LFT.	
RECONSTRUCTED CONCRETE HEADER	LFT.	
CEMENT CONCRETE SIDEWALK	SYS.	10
RECONSTRUCTED CONCRETE SIDEWALK	SYS.	
CROSSWALK	SYS.	
RIGHT OF WAY MARKERS	EA.	75
RESET RIGHT OF WAY MARKERS	EA.	25
MONUMENTS, TYPE "A"	EA.	
MONUMENTS, TYPE "B"	EA.	
CASTINGS ADJUSTED TO GRADE, MONUMENTS	EA.	1
MONUMENTS, RE-ESTABLISHED	EA.	
BENCHMARK POSTS	EA.	
RESETTING BENCH MARK POSTS	EA.	
SODDING	SYS.	48,600
FURNISHING AND PLACING: AGRICULTURAL LIMESTONE FERTILIZER SEED	TONS	72
FURNISHING AND APPLYING MULCHING MATERIAL	TONS	11
	LBS.	2520
FURNISHING AND APPLYING MULCHING MATERIAL	TONS	120
PLAIN SEEDING	SYS.	
MULCHED SEEDING	SYS.	
TOP SOIL	CYS.	
FENCE (CHAIN LINK TYPE)	LFT.	
MAINTAINING TRAFFIC	LUMP SUM	

MISCELLANEOUS		
ITEM	UNIT	QUANTITY
CONCRETE CURB	LFT.	7200
CONCRETE CURB TYPE "B"	LFT.	
CONCRETE GUTTER	LFT.	
COMB. CONC. CURB AND GUTTER	LFT.	
RECONSTRUCTED CONC. CURB	LFT.	
RECONSTRUCTED CONC. GUTTER	LFT.	
RECONSTRUCTED COMB. CONC. CURB AND GUTTER	LFT.	
RESET CURB	LFT.	
RESET COMB. CONC. CURB & GUTTER	LFT.	
CONCRETE CENTER CURB	LFT.	
SPECIAL CONCRETE CENTER CURB TYPE "D"	SYS.	1669
FLEXIBLE STEEL PLATE GUARDRAIL	LFT.	
STEEL BEAM GUARD RAIL	LFT.	
SHOP CURVED STEEL BEAM GUARDRAIL	LFT.	
DOUBLE FACE STEEL BEAM GUARDRAIL	LFT.	
WIRE ROPE GUARD RAIL	LFT.	
WOVEN WIRE FABRIC GUARD RAIL	LFT.	
GUARD RAIL	LFT.	
RESETTING FLEXIBLE STEEL PLATE GUARD RAIL	LFT.	
GUARD RAIL	LFT.	
GUARD RAIL POSTS	EA.	
RESETTING STEEL BEAM GUARD RAIL	LFT.	
RESETTING WIRE ROPE GUARD RAIL	LFT.	
RESET WOVEN WIRE FABRIC G. RAIL	LFT.	
GUARD FENCE	LFT.	
GUIDE POSTS, TYPE "A"	EA.	104
GUIDE POSTS, TYPE "B"	EA.	108
BARRICADES, TYPE "A"	EA.	3
BARRICADES, TYPE "B"	EA.	14
TYPICAL SIGN STANDARDS	EA.	33
RAILROAD CROSSING SIGN, TYPE "A"	EA.	
RAILROAD CROSSING SIGN, TYPE "B"	EA.	
ADVANCE RAILROAD WARNING SIGN	EA.	
CONCRETE HEADER	LFT.	
RECONSTRUCTED CONCRETE HEADER	LFT.	
CEMENT CONCRETE SIDEWALK	SYS.	10
RECONSTRUCTED CONCRETE SIDEWALK	SYS.	
CROSSWALK	SYS.	
RIGHT OF WAY MARKERS	EA.	75
RESET RIGHT OF WAY MARKERS	EA.	25
MONUMENTS, TYPE "A"	EA.	
MONUMENTS, TYPE "B"	EA.	
CASTINGS ADJUSTED TO GRADE, MONUMENTS	EA.	1
MONUMENTS, RE-ESTABLISHED	EA.	
BENCHMARK POSTS	EA.	
RESETTING BENCH MARK POSTS	EA.	
SODDING	SYS.	48,600
FURNISHING AND PLACING: AGRICULTURAL LIMESTONE FERTILIZER SEED	TONS	72
FURNISHING AND APPLYING MULCHING MATERIAL	TONS	11
	LBS.	2520
FURNISHING AND APPLYING MULCHING MATERIAL	TONS	120
PLAIN SEEDING	SYS.	
MULCHED SEEDING	SYS.	
TOP SOIL	CYS.	
FENCE (CHAIN LINK TYPE)	LFT.	
MAINTAINING TRAFFIC	LUMP SUM	

STRUCTURES														
ITEM	PIPE - LINEAL FEET													
	4"	6"	8"	10"	12"	15"	18"	24"	30"	36"	42"	36"x22"	43"x27"	50"x31"
CLASS I					3272	398	392	416	280	850	618			
CLASS II														
CLASS III														
CLASS IV														
CLASS V														
CLASS VI														
REINFORCED CONCRETE														
VITRIFIED CLAY CONCRETE														
CORRUGATED METAL														
BITUMINOUS COATED CORRUGATED METAL PIPE ARCH.												114	94	120
R.C. or V.C. SEWER														
DEFORMED CORRUGATED METAL SEWER														
DRAIN TILE														
BITUMINOUS COATED CORRUGATED METAL PIPE														

SUBSURFACE DRAINAGE		
ITEM	PIPE - LINEAL FEET	
	AGG. CU. YDS.	
6" CLASS VII	39804	5971

FOR STRUCTURES		
ITEM	UNIT	QUANTITY
CONCRETE CLASS "D"	CYS.	261
REINFORCING STEEL	LBS.	18,500

AUTO. DRAINAGE GATES		
ITEM	UNIT	QUANTITY
MANHOLE		
CATCH BASIN		
INLET		
R.C. SPRING BOX		

CATCH BASINS		PIPE CATCH BASIN		INLETS		MANHOLES		RECONSTRUCTED	
TYPE	EACH	SIZE	EACH	TYPE	EACH	TYPE	EACH	TYPE	LIN. FT.
		12"		E-7	35	A-4		MANHOLE	
		15"		FL-7	2	B-4		CATCH BASIN	
		18"						INLET	
		24"						R.C. SPRING BOX	

SUBSURFACE DRAINAGE		
ITEM	PIPE - LINEAL FEET	
	AGG. CU. YDS.	
6" CLASS VII	39804	5971

FOR STRUCTURES		
ITEM	UNIT	QUANTITY
CONCRETE CLASS "D"	CYS.	261
REINFORCING STEEL	LBS.	18,500

AUTO. DRAINAGE GATES		
ITEM	UNIT	QUANTITY
MANHOLE		
CATCH BASIN		
INLET		
R.C. SPRING BOX		

STRUCTURE DATA

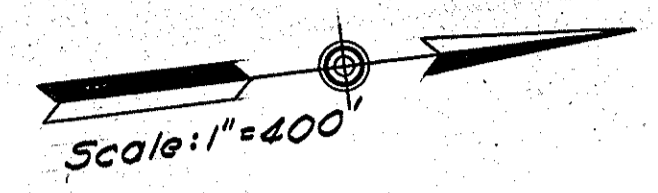
Rev. 7-29-60, Class V Drive Sta 48 Lt. S. 6-D.

FEDERAL ROAD REGION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.
4	IND.	F 83(21)	1960	41

STRUCTURE NUMBER	LOCATION	DESCRIPTION		SKEW	LENGTH "L"	HEIGHT "H"	WINGS "W"	FLOW LINE		CONCRETE CLASS "D"	SPECIAL BORROW GRADE "B" CU.YDS.	REINFORCING STEEL LBS.	REMARKS	PLANS ON SHEET NO.
								UP STREAM ELEV.	DOWN STREAM ELEV.					
11	1057+33	12"	Class I		38					.58			Remove Pipe in Place	29
12	1059+30	12"	Class I		26					.58				23
13	1061+79	12"	Class I		26					.58			Remove Pipe in Place	29
14	1063+00		Std. Inlet Type E-7											
		12"	Class I		44			883.80	883.20	.29	5		1 Headwall Required	23
15	1066+00		Std. Inlet Type E-7											
		12"	Class I		44			883.00	882.75	.29	5		1 Headwall Required	24
16	1067+05	43x21"	B.C.C.M. Pipe Arch		94			882.50	881.30	6.09	55		Remove Pipe in Place, Conc Patch Type IV Required	24
17	1069+75		Std. Inlet Type E-7											
		12"	Class I		46			883.50	883.30	.29	5		1 Headwall Required	25
18	1072+52	6"	Sewer Pipe		63								Connect to Exist. Sewer Pipe on Lt & Replace FT Thru R/W on Rt	25
19	1074+50		Std. Inlet Type E-7											
		12"	Class I		44			884.10	883.90	.29	5		1 Headwall Required	25
20	1077+75	12"	R.C.P. in Place, No Changes Required											26
21	1081+79	12"	Class I		24					.58				26
22	1083+80	12"	Class I		24					.58				27
23	1084+75		Std. Inlet Type E-7											
		12"	Class I		48			885.25	885.05	.29	5		1 Headwall Required	27
24	1085+30	12"	Class I Pipe		24					.58			Remove Pipe in Place	27
25	1089+66	36x22"	B.C.C.M. Pipe Arch		114			885.80	885.00	4.12	40		Remove Pipe in Place, Conc. Patch Type IV Required	11
26	1091+46.5	12"	Class I Pipe		24					.58			Remove Pipe in Place	11
27	1092+97	6"	Sewer Pipe		63								Connect to 6" Sewer Pipe on Lt. & Replace 6" FT. thru R/W on Rt.	11
28	1095+84.5	12"	Class I Pipe		24					.58			Remove Pipe in Place	11
29	1096+50		Std. Inlet Type E-7											
		12"	Class I Pipe		46			885.60	885.40	.29	5		1 Headwall Required	11
30	1102+50		Std. Inlet Type E-7											
		12"	Class I Pipe		48			883.90	883.20	.29	5		1 Headwall Required	11
31	1107+50		Std. Inlet Type E-7											
		12"	Class I Pipe		48			881.90	880.10	.29	5		1 Headwall Required	11
32	1107+60	50x36"	B.C.C.M. Pipe Arch	30°	120	2.7'		881.00	879.90	2.13	65		Std. Conc. Patch Type IV Required	11
33	1107+60	12"	R.C.P. in Place, No Changes Required											11
34	1113+25		Std. Inlet Type E-7											
		12"	Class I Pipe		46			884.10	883.70	.29	5		1 Headwall Required	28
35	1118+48	12"	Class I Pipe		38					.58			Remove Pipe in Place	28
36	1120+50		Std. Inlet Type E-7											
		12"	Class I Pipe		44			885.40	885.20	.29	5		1 Headwall Required	29
37	1121+15	12"	Class I Pipe		52					.58			Remove Pipe in Place	29
38	1121+85	12"	Class I Pipe		52					.58			Remove Pipe in Place	29
39	1124+30	12"	Class I Pipe		24					.58			Remove Pipe in Place	29
40	1125+03	3x2'	Std. R.C. Box		40	2	881.93	881.70	12.44	14	3,135		Connect to Exist. 3x2' R.C. Box on Lt. & Extend 40' to Rt.	29
41	1125+03	6"	Sewer Pipe in Place, No Changes Required											29

STRUCTURE NUMBER	LOCATION	DESCRIPTION		SKEW	LENGTH "L"	HEIGHT "H"	WINGS "W"	FLOW LINE		CONCRETE CLASS "D"	SPECIAL BORROW GRADE "B" CU.YDS.	REINFORCING STEEL LBS.	REMARKS
								UP STREAM ELEV.	DOWN STREAM ELEV.				
42	1126+60	12"	Class I Pipe		24					.58			
42A	1129+79	12"	Class I Pipe		28					.58			
43	1128+27	12"	Class I Pipe		24					.58			Remove Pipe in Place
44	1129+50		Std. Inlet Type E-7										
		12"	Class I Pipe		46			883.50	883.00	.29	5		1 Headwall Required
45	1131+00	12"	Class I Pipe		46					.58			Remove Pipe in Place
46	1132+12	12"	Class I Pipe		26					.58			
47	1135+25		Std. Inlet Type E-7										
		12"	Class I Pipe		48			881.50	881.00	.29	5		1 Headwall Required
48	1137+64	15"	Class I Pipe		24					.69			Remove Pipe in Place
49	1138+50		Std. Inlet Type E-7										
		12"	Class I Pipe		48			880.50	879.90	.29	5		1 Headwall Required
50	1139+06	15"	Class I Pipe		24					.69			Remove Pipe in Place
51	1140+00		Std. Inlet Type E-7										
		12"	Class I Pipe		48			880.25	877.35	.64	5		1 Headwall Required
52	1140+56	4x3'	Std. R.C. Box		43	3	876.40	876.06	19.32	40	4845		Connect to Exist. 4x3' R.C.B. & Extend 43' on Rt.
53	1140+56	15"	R.C. Pipe in Place No Changes Required										
54	1141+40	12"	Class I Pipe		24					.58			Remove Pipe in Place
55	1142+26.5	12"	Class I Pipe		28					.58			Remove Pipe in Place
56	1143+53	12"	Class I Pipe		28					.58			Remove Pipe in Place
57	1144+00		Std. Inlet Type E-7										
		12"	Class I Pipe		48			881.30	881.00	.29	5		1 Headwall Required
58	1144+51	12"	Class I Pipe		24					.58			Remove Pipe in Place
59	1145+81	12"	Class I Pipe		24					.58			Remove Pipe in Place
60	1147+03	12"	Class I Pipe		30					.58			Remove Pipe in Place
61	1148+28	12"	Class I Pipe		24					.58			Remove Pipe in Place
62	1149+32	12"	Class I Pipe		24					.58			Remove Pipe in Place
63	1149+79	12"	Class I Pipe		38					.58			Remove Pipe in Place
64	45+46		Line S-6-D										
64A	48L S-6-D	15"	Class I Pipe		46			883.73	883.55	.69	2		Remove Pipe in Place
65	1152+19	12"	B.C.C.M. Pipe		20					.58			
		12"	Class I Pipe		24					.58			Remove Pipe in Place
66	1153+34	12"	Class I Pipe		24					.58			
67	1154+24	12"	Class I Pipe		24					.58			Remove Pipe in Place
68	1155+21	12"	Class I Pipe		30					.58			Remove Pipe in Place
69	1155+40	6"	Sewer Pipe		63								Connect to Exist. Sewer Pipe on Lt & Replace 6" FT. Thru R/W on Rt.
70	1155+93	36"	Class I Pipe	45°	136'			881.70	880.40	8.12	92		Remove Pipe in Place. Conc. Patch Type IV Required
71	1156+70	6"	Sewer Pipe		63								Connect to Exist. Sewer Pipe on Lt. & Replace 6" FT. Thru R/W on Rt.
72	1157+00		Std. Inlet Type E-7										
		12"	Class I Pipe		50			882.75	880.40	.64	5		1 Headwall Required
73	1157+33	36"	Class I Pipe		32					3.14	5		Remove Pipe in Place
74	1159+40	36"	Class I Pipe		40					3.14	5		Remove Pipe in Place
75	1158+60		Std. Inlet Type E-7										
		12"	Class I Pipe		58			883.50	880.20	.64	5		1 Headwall Required
76	1162+91	36"	Class I Pipe		176					3.14	18		Remove Pipe in Place
77	1166+75.5	36"	Class I Pipe		44					3.14	5		Remove Pipe in Place
78	1168+97	4x4'	Std. R.C. Conc. Box	30°	52		877.83	877.46	25.40	138	6,370		Connect to Exist. 4x4' R.C.B. on Lt. & Extend 52' to Rt.
79	1169+50		Std. Inlet Type E-7										
		12"	Class I Pipe		54			881.70	878.00	.64	5		1 Headwall Required
80	1172+96	12"	Class I Pipe		48					.58			Remove Pipe in Place
81	1174+06	12"	Class I Pipe		36					.58			Remove Pipe in Place
82	1177+47	12"	Class I Pipe		42					.58			Remove Pipe in Place
83	1187+00	36"	Class I Pipe	30°	66			875.69	875.00	4.06	56		Connect to Exist. 3x2' R.C.B. on Lt. & Extend 66' on Rt. Hdwl. Req.

FEDERAL ROAD DIVISION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	F83(2)	1960	42	44



SEC. 36 TWP. 20N. RANGE 7E.

SEC. 25 TWP. 20N. RANGE 7E.

SEC. 24 TWP. 20N. RANGE 7E.

RANGE 7E.
RANGE 8E.

STA. 1057+00
BEGIN F PROJECT 83(21)
END U PROJECT 83(19)

EQUALITY:
= P.O.T. Sta. 1084+21.7 Line "D"
= P.O.T. Sta. 50+00 Line S-4-D Lt.

EQUALITY:
= P.O.T. Sta. 1078+10.8 Line "D"
= P.O.T. Sta. 50+00 Line S-3-D Rt.

Co. Bd. N. 375 W. (LINE S-4-D)

Co. Bd. N. 360 E. (LINE S-3-D)

SEC. 30 TWP. 20N. RANGE 8E.

SEC. 19 TWP. 20N. RANGE 8E.

SEC. 31 TWP. 20N. RANGE 8E.

SURVEY LINE "D"

DESCRIPTION

BEGINNING APPROXIMATELY 1410 FT. NORTH OF SOUTH LINE OF SECTION 25, T 20 N, R 7 E AND EXTENDING ON STATE ROAD 9 APPROXIMATELY 1594 FT. SOUTH OF SOUTH LINE OF SECTION 30, T 21 N, R 8 E, ALL IN MADISON COUNTY.

STATE HIGHWAY DEPARTMENT OF INDIANA
RIGHT-OF-WAY DIVISION
F PROJECT 83(21)

**R.O.W. PLAT # 3
AERIAL PHOTO MOSAIC**

SCALE: 1"=400'

SOURCE: ABRAMS AERIAL SURVEY CORP., LANSING, MICH., APRIL 6-1955

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	F 83(2)	1960	20	44

PLAN
NOTE BOOK, ALIGNMENT CHECKED
BY: [Signature]
DATE: [Date]

PROFILE
NOTE BOOK, GRADES CHECKED
BY: [Signature]
DATE: [Date]

