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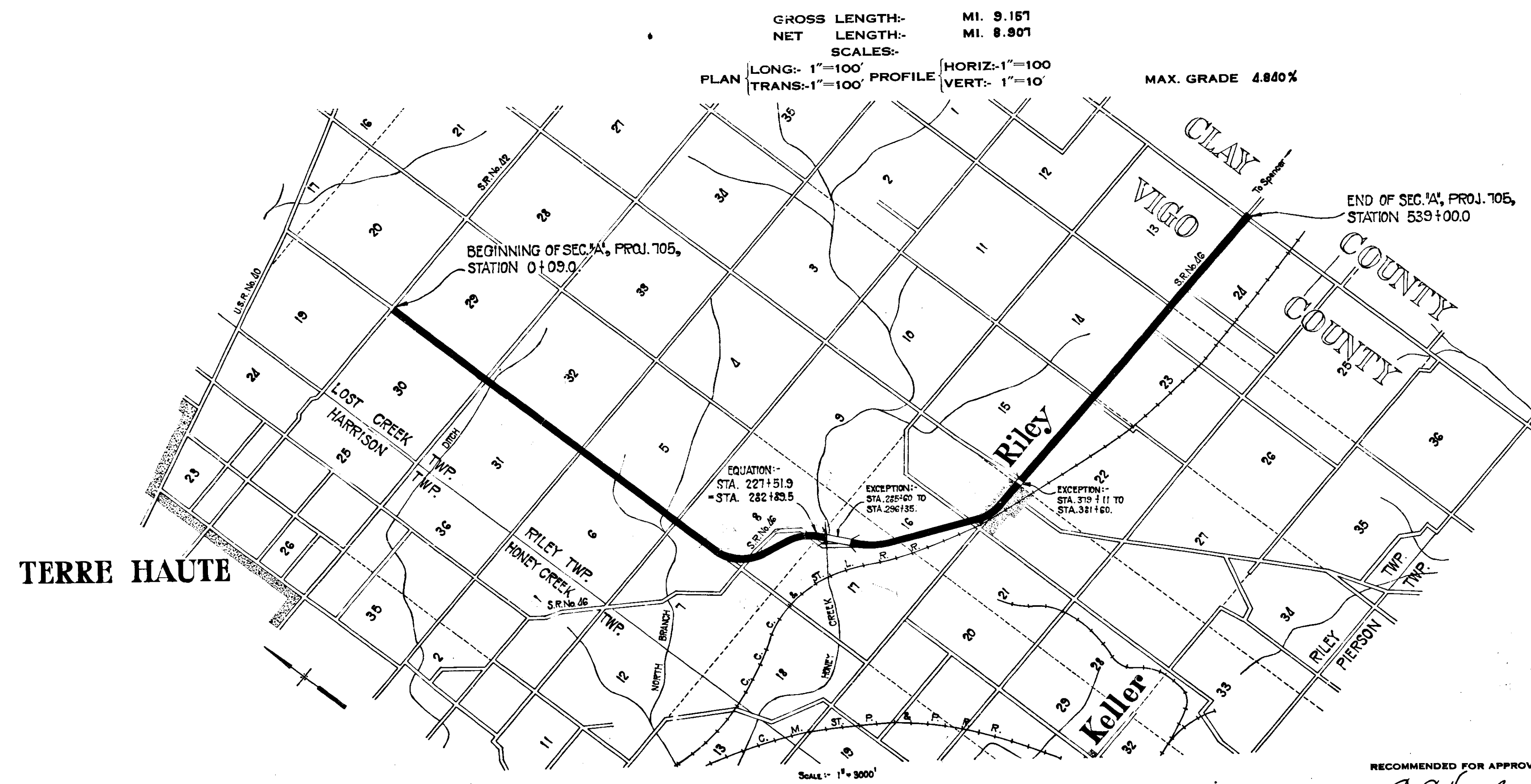
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SHEET NO. 16	STD. REINF. CONC. BOX CULVERT. <i>Rev. Mar. 23, 1920.</i>
SHEET NO. 17	STD. REINF. CONC. CULV.—SLAB TOP TYPE WITHOUT FILL (10'-0" TO 18'-0" SPAN).
SHEET NO. 18	STD. REINF. CONC. CULV.—SLAB TOP TYPE UNDER FILL 1'-0" TO 5'-0" (10'-0" TO 20'-0" SPAN). <i>Rev. Feb. 8, 1939.</i>
SHEET NO. 19	STD. REINF. CONC. CULV.—SLAB AND GIRDER WITHOUT FILL (20'-0" SPAN).
SHEET NO. 20	STD. REINF. CONC. CULV.—SLAB TOP TYPE WITHOUT FILL (10'-0" TO 20'-0" SPAN) 15° SKEW.
SHEET NO. 21	STD. REINF. CONC. CULV.—SLAB TOP TYPE UNDER FILL 1'-0" TO 5'-0" (10'-0" TO 20'-0" SPAN) 15° SKEW.
SHEET NO. 22	STD. REINF. CONC. CULV.—SLAB TOP TYPE WITHOUT FILL (10'-0" TO 20'-0" SPAN) 30° SKEW.
SHEET NO. 23	STD. REINF. CONC. CULV.—SLAB TOP TYPE UNDER FILL 1'-0" TO 5'-0" (10'-0" TO 20'-0" SPAN) 30° SKEW. <i>Rev. Feb. 8, 1939.</i>
SHEET NO. 24	STD. REINF. CONC. CULV.—SLAB TOP TYPE WITHOUT FILL (10'-0" TO 20'-0" SPAN) 45° SKEW.
SHEET NO. 25	STD. REINF. CONC. CULV.—SLAB TOP TYPE (5'-0" TO 10'-0" SPAN) GRAVITY TYPE.
SHEET NO. 26	STD. REINF. CONC. CULV.—SLAB TOP TYPE (10'-0" TO 20'-0" SPAN) GRAVITY TYPE.
SHEET NO. 27	STD. FLEXIBLE STEEL PLATE GUARD RAIL. <i>Adopted Jan. 1934.</i>
SHEET NO. 28	STD. RAILROAD GRADE CROSSING.
SHEET NO. 29	STD. STRUCTURE CONNECTIONS FOR EXTENSIONS. <i>May 1937.</i>
SHEET NO. 30	STD. PLAN FOR FILLING IN PEAT MARSHES.
SHEET NO. 31	DATA FOR SUPER-ELEVATING AND WIDENING OF CURVES. <i>Sept. 1932.</i>
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SHEET NO. 34-35	CROSS SECTIONS.

FEDERAL ROAD DISTRICT NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
7	IND.	705	1	249

SECTION—'A'
REV. 9-17-41.
REV. 7-27-42.

STATE OF INDIANA
STATE HIGHWAY COMMISSION
**PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY
PROJECT NO. 705 SEC. "A". (1941)
TERRE HAUTE — SPENCER ROAD**

BEGINNING AT A POINT ALONG THE SOUTH EDGE OF S. R. NO. 42, APPROXIMATELY 9' SOUTH OF THE N. E. CORNER OF SEC. 30-T12N-R8W AND RUNNING IN A SOUTH AND EAST DIRECTION TO A POINT ON S. R. NO. 46, APPROXIMATELY 116.9' EAST OF THE CLAY-VIGO COUNTY LINE.



DATE REVISED	SHEET NO.	REVISION
7-28-41	21	R/W
9-17-41	2, 3, 4, 8, 25, 26, 27, 28, 29, & 30	Pavement Changed from Reinf. Concrete to Plain Concrete.
9-17-41	2, 4, 25, 26, 27, 28, 29, & 30	Exp. Jt. Type As, D, Da, Da Da, or Ds & Exp. Jt. 1" Cork, Rubber, or Fiber.
9-17-41	2, 4, 25, 26, 27, 28, 29, & 30	Contraction Joints
9-17-41	1 & 30	Sodded Shoulders
7-27-42	17 & 18	Alignment (Paper Relocation)

APPROVED AND ADOPTED 7-14-41
BY STATE HIGHWAY COMMISSION OF INDIANA

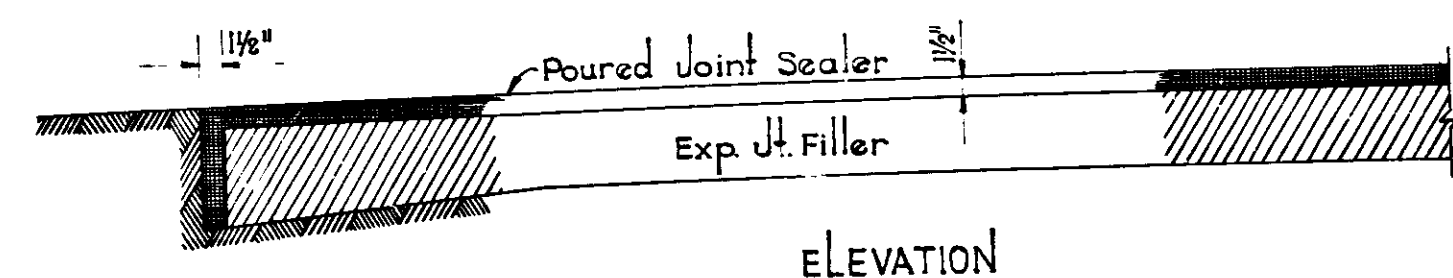
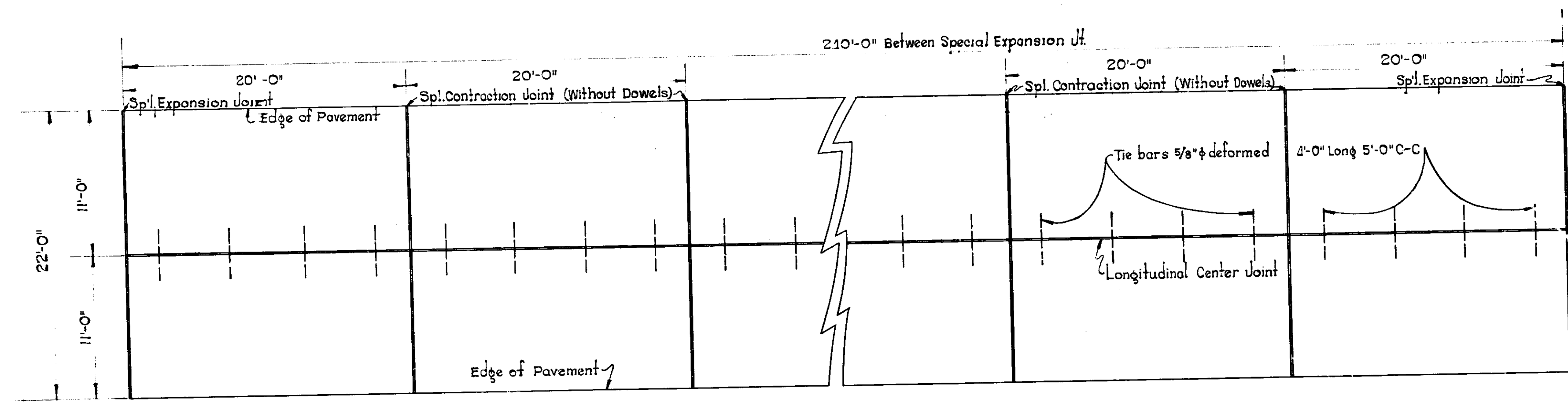
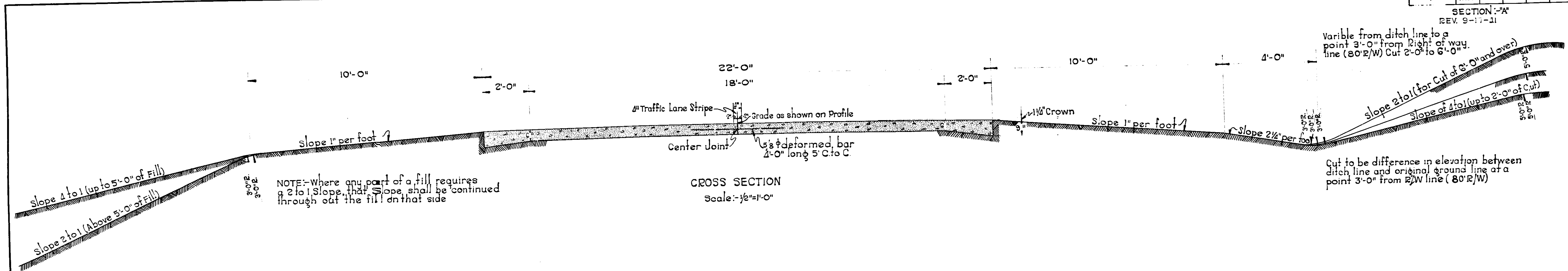
James D. Adams
CHIEF ENGINEER STATE HIGHWAY COMMISSION OF INDIANA
APPROVED 7-14-41
Carl B. Schridge
CHIEF ENGINEER STATE HIGHWAY COMMISSION OF INDIANA
RECOMMENDED FOR APPROVAL
DISTRICT ENGINEER BUREAU OF PUBLIC ROADS
RECOMMENDED FOR APPROVAL
CHIEF ENGINEER BUREAU OF PUBLIC ROADS
APPROVED
CHIEF BUREAU OF PUBLIC ROADS

STATE HIGHWAY COMMISSION OF INDIANA.
STANDARD SPECIFICATIONS FOR ROAD CONSTRUCTION.
DATED OCTOBER 1935, ON FILE WITH THE U.S. PUBLIC ROADS
ADMINISTRATION, TO BE USED WITH THESE PLANS.

Printed at the State Office, No. 121 Tracing Club
by the State Office, No. 121 Tracing Club

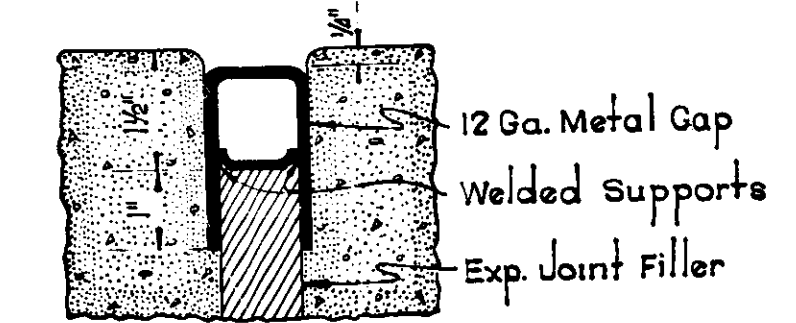
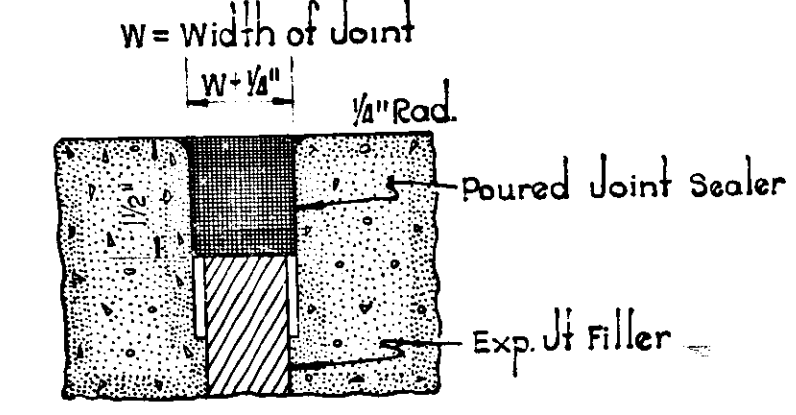
FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	IND.	705	1941	2	229

SECTION - "A"
REV. 9-17-41

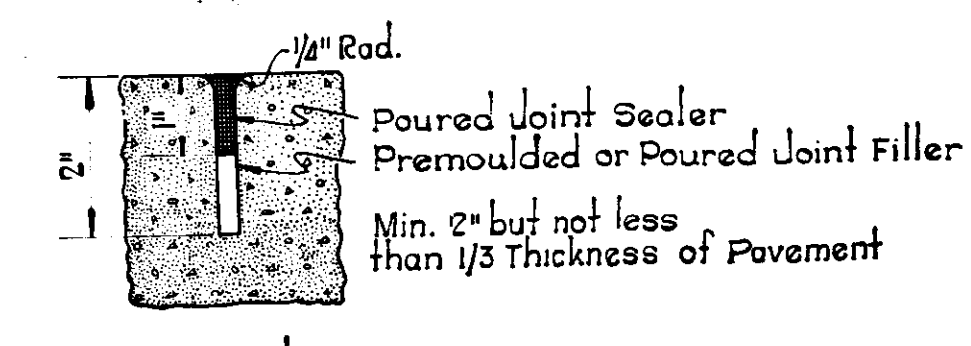


DETAIL OF SPECIAL SEAL FOR ALL EXPANSION JOINTS FOR CONC. PAVEMENT

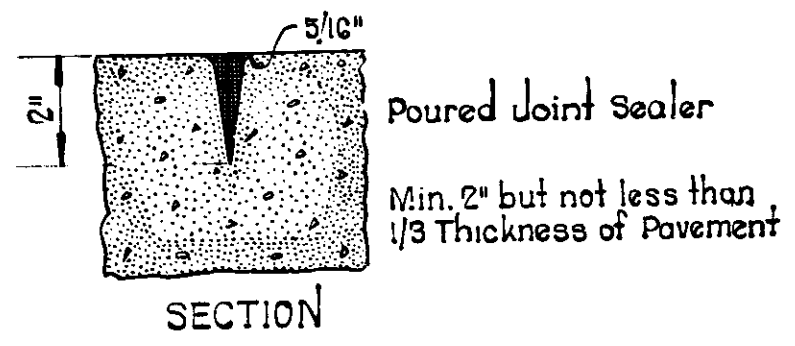
CONCRETE PAVEMENT



DETAIL OF SPECIAL DEVICE FOR FORMING OPENING FOR SEAL FOR EXPANSION JOINTS FOR CONC. PAVEMENT



DETAIL OF SPECIAL SEAL FOR SPECIAL CONTRACTION JOINTS (WITHOUT DOWELS)



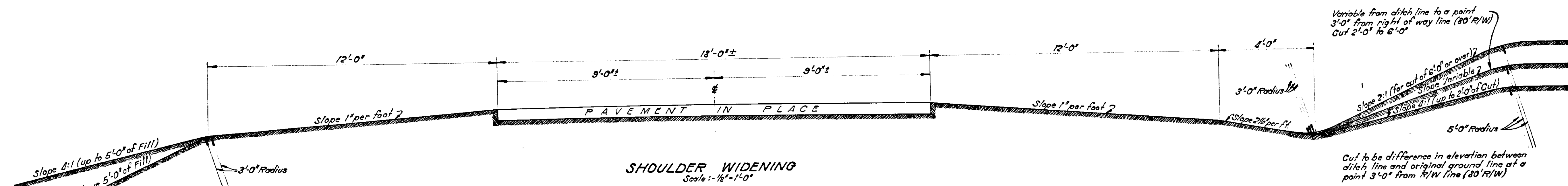
TYPICAL CROSS SECTIONS

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

APPROVED *James Adams* CHAIRMAN, STATE HIGHWAY COMMISSION OF INDIANA
 RECOMMENDED FOR APPROVAL 9-22-41
 APPROVED *W. K. Keefe* CHIEF ENGINEER, STATE HIGHWAY COMMISSION OF INDIANA
C. E. Vogelgesang ENGINEER OF ROAD DESIGN

FEDERAL ROAD DISTRICT NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	IND.	705	1941	3	219

SECTION: 1A



SHOULDER WIDENING
Scale: 1/2" = 1'-0"

NOTE: Where any part of a fill requires a 2:1 slope, that slope shall be continued thruout the fill on that side.

TABLE OF PAVEMENT SECTIONS				
STATION TO	STATION	STANDARD SECTION SHOULDER WIDENING SHEET NO. 2 LIN. FT.	TYPICAL CROSS SECTION SHOULDER WITH SPECIAL DITCHES SHEET NO. 3 LIN. FT.	TYPICAL CROSS SECTION STANDARD SECTION SHOULDER WITH SPECIAL DITCHES SHEET NO. 8 LIN. FT.
0+09	to 54+50			5641
54+50	to 82+50	2800		
82+50	to 95+00			1250
95+00	to 184+60	8950		
184+60	to 196+75			1225
196+75	to 227+51.9	3076.9		
EQUATION:- 227+51.9 = 282+89.5				
282+89.5	to 350+84	7194.5		
350+84	to 380+67			2583
380+67	to 383+00	233		
383+00	to 415+92±		3292	
415+92±	to 416+48±	56		
416+48±	to 428+00		1152	
428+00	to 437+00	900		
437+00	to 449+63.5±		1263.5	
449+63.5±	to 449+90.5±	27		
449+90.5±	to 466+70		1679.5	
466+70	to 483+00	1630		
483+00	to 504+66±		2166	
504+66±	to 504+82±	16		
504+82±	to 526+44±		2162	
526+44±	to 526+80±	36		
526+80±	to 539+00		1220	

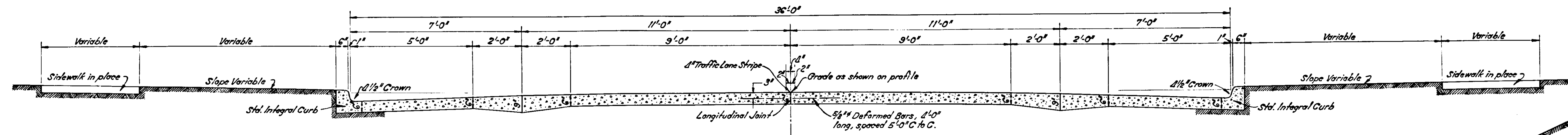
TYPICAL CROSS SECTION

APPROVED: James Adams 7-14-41 RECOMMENDED FOR APPROVAL 7-14-41
 CHAIRMAN, State Highway Commission of Indiana

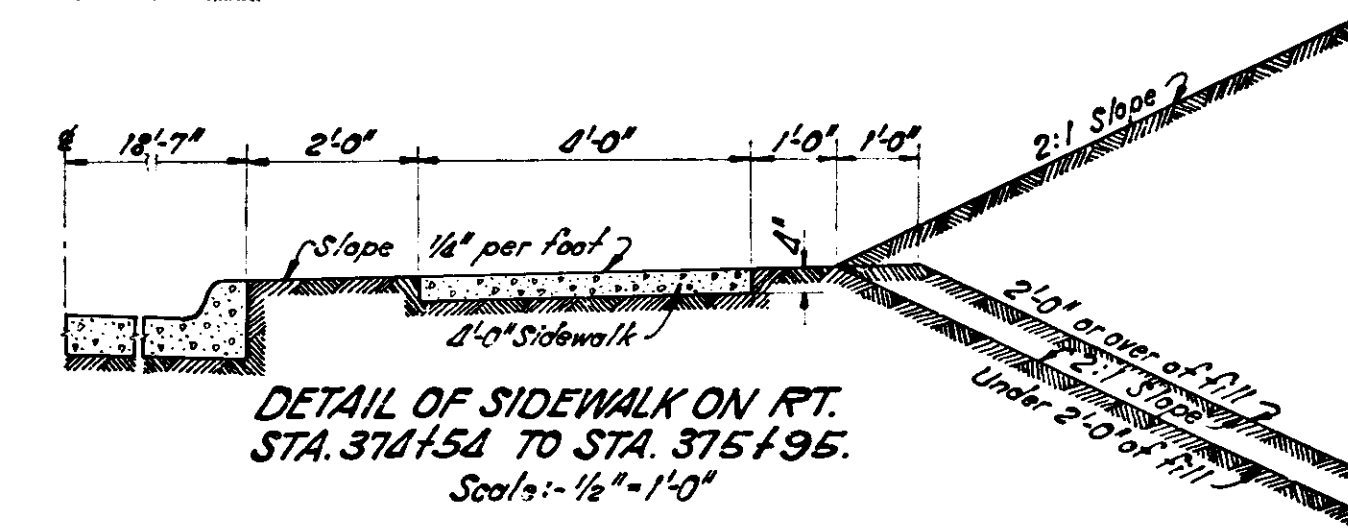
APPROVED: Carl R. Schindler 7-14-41 C. E. Tompkins
 CHIEF ENGINEER, State Highway Commission of Indiana. ENGINEER OF ROAD DESIGN

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	IND.	705	1941	4	249

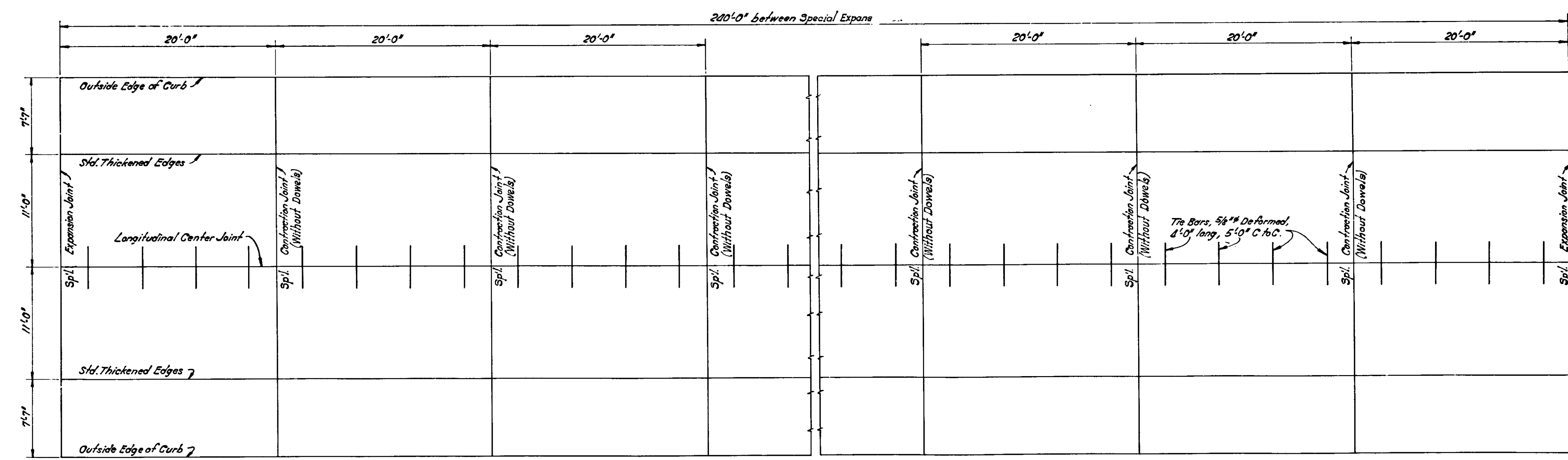
SECTION - "A"
REVISED SEPTEMBER 17, 1941.



CONCRETE PAVEMENT
Scale: 1/2" = 1'-0"



DETAIL OF SIDEWALK ON RT.
STA. 374+54 TO STA. 375+95.
Scale: 1/2" = 1'-0"



PLAN OF CONCRETE SLAB
Scale: 3/8" = 1'-0"

NOTE: For Detail of Special Contraction and Expansion Jts See Sheet No. 2

TYPICAL CROSS SECTION
Scales as shown

APPROVED: James Adams CHAIRMAN, State Highway Commission of Indiana. RECOMMENDED FOR APPROVAL 9-22-41
APPROVED: C.E. Vogelgesang ENGINEER OF ROAD DESIGN

FEDERAL ROAD DISTRICT NO.	STATE	ROAD	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	IND.	705	1931	8	243

SECTION: "A"
REV. 9-17-41.

SEC. 20-T12N-R8W
VIGO CO.

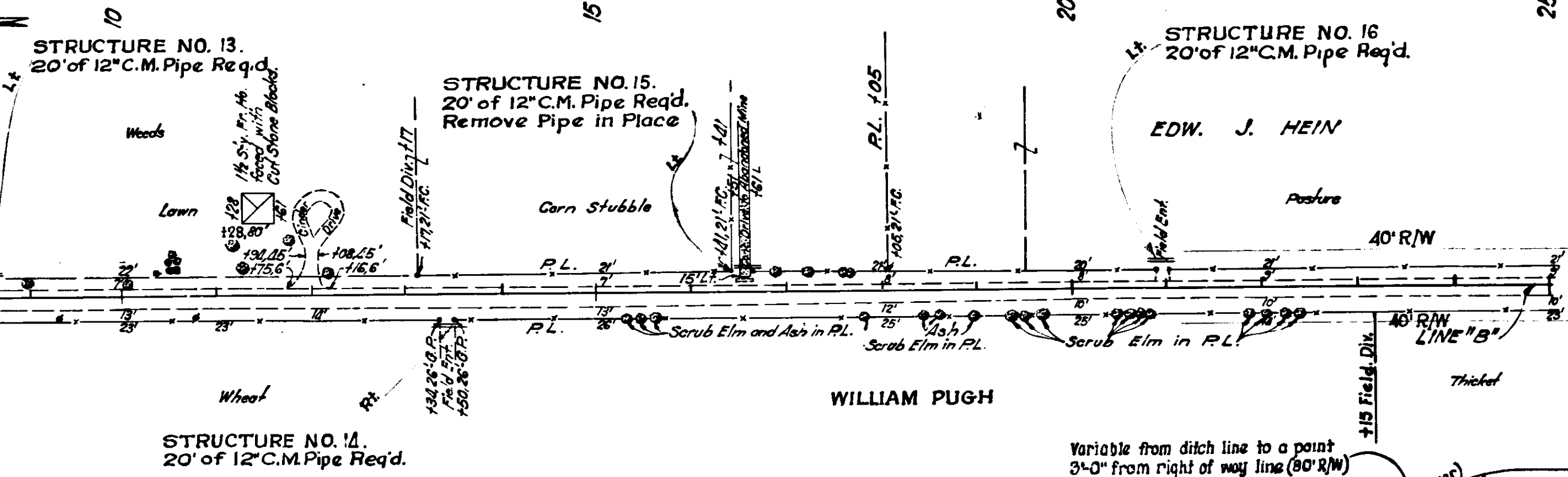
FOR DETAIL OF INTERSECTION OF S.R. NO. 42 AND PROJ. NO. 705 - SEE DETAIL ON SHEET NO. 25.

J.D. DOBBS
SEC. 19-T12N-R8W
VIGO CO.

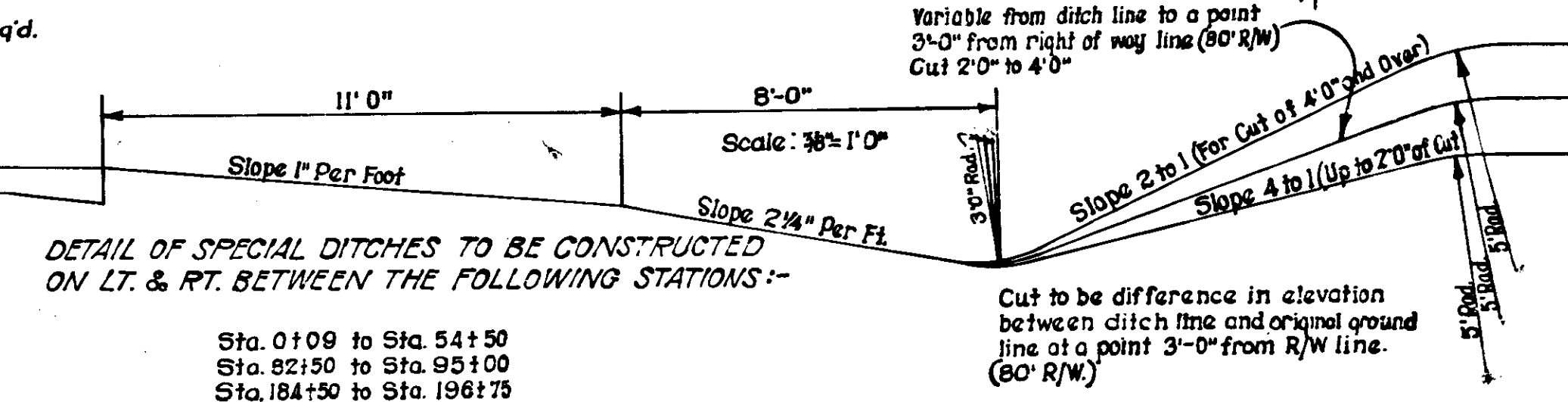
SEC. 29-T12N-R8W
Last Creek Twp.
VIGO CO.

BEGINNING OF PROJ. NO. 705
SEC. A - STA. 0+09.0
J. G. ZIMMERMAN

SEC. 30-T12N-R8W
Last Creek Twp.
VIGO CO.



ALL R/W ON THIS SHEET 80; 40' ON EACH SIDE OF C EXCEPT AS SHOWN.

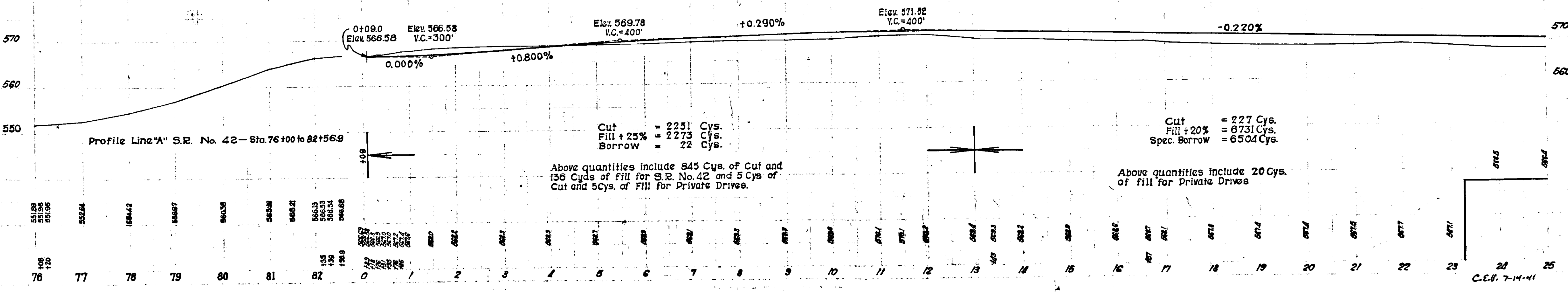


B.M. No. 2B-Elev. 567.27-Boat Spike in 8" Hickory, 120' Lt. of Sta. 0+40
B.M. No. 3B-Elev. 572.13-Boat Spike in 24" Pine, 30' Lt. of Sta. 11+25
B.M. No. 4B-Elev. 567.79-Boat Spike in 6" Oak, 37' Rt. of Sta. 23+70

STANDARD PAVEMENT SECTION D-II-FR (DATED APR. 1939, REV. NOV. 7, 1939), EXCEPT 10' SHOULDERS AND TYPICAL CROSS SECTIONS (SHEETS NO. 2, 3, & 4) TO BE USED ON THIS PROJECT AS SHOWN IN TABLE ON SHEET NO. 3

State Highway Commission of Indiana Standard Specifications for Road Construction, dated October 1939, to be used with these Plans.
Standards under dates as listed in Index on Title Sheet to be used on this Project.
Grade Line represents top of finished concrete pavement.
Top of all Castings coming within Pavement Limits shall be constructed 1/4' below Proposed Surface.
Curves of 2° and over will be super-elevated according to the standards of 1932.
For Public Road, Street, Alley, and Private Drive Approach Quantities, see Itemized Table on Sheet No. 29
All Ditches having a gradient of 1% or over shall be sodded unless otherwise specified.
Sodded Shoulders to be omitted on Shoulder Widening Portion.

Sta. 105+25 to Sta. 184+00 to be re-cross-sectioned by the Project Engineer before Construction Begins.
Contraction Joints to be placed at all Manholes within Pavement Limits.
Where Sidewalk abuts Curb, 1" Bituminous Pre-molded Expansion Joints shall be placed between the sidewalk and curb.
Expansion Joints to be placed at the beginning and end of all radii at Street and Alley Intersections.
Where existing Road Surface is outside New Construction Limits, it shall be removed if so directed by the Engineer.
Construction Joints in 22' Pavement shall have 12-5/8" Deformed Tie Bars 4'-0" Long, spaced 1'-10" C to C.



C.E.U. 7-14-41

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT YEAR	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	IND.	705	1941	9	219

TYPE "B" INTERSECTION REQ'D. ON LT. OF STA. 52+73 See Detail on Sheet No. 25.

SEC. 29, T12N, R8W

SEC. 32, T18N, R8W

LOST CREEK TWP SCHOOL DISTRICT

WM. H. RIGGS

WM. H. RIGGS

GEORGE & AUDREY HEIN

SEC. 30, T12N, R8W

SEC. 31, T12N, R8W

FOR DETAIL OF INTERSECTION ON RT. OF STA. 52+73 See Plans on Sheet No. 25.

PT. 52+73.4 (L.P.B.)

PT. 51+00.0 (L.P.B.)

PT. 52+73.4 (L.P.B.)

PT. 52+73.4 (L.P.B.)

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PT. 52+73.4 (L.P.B.)

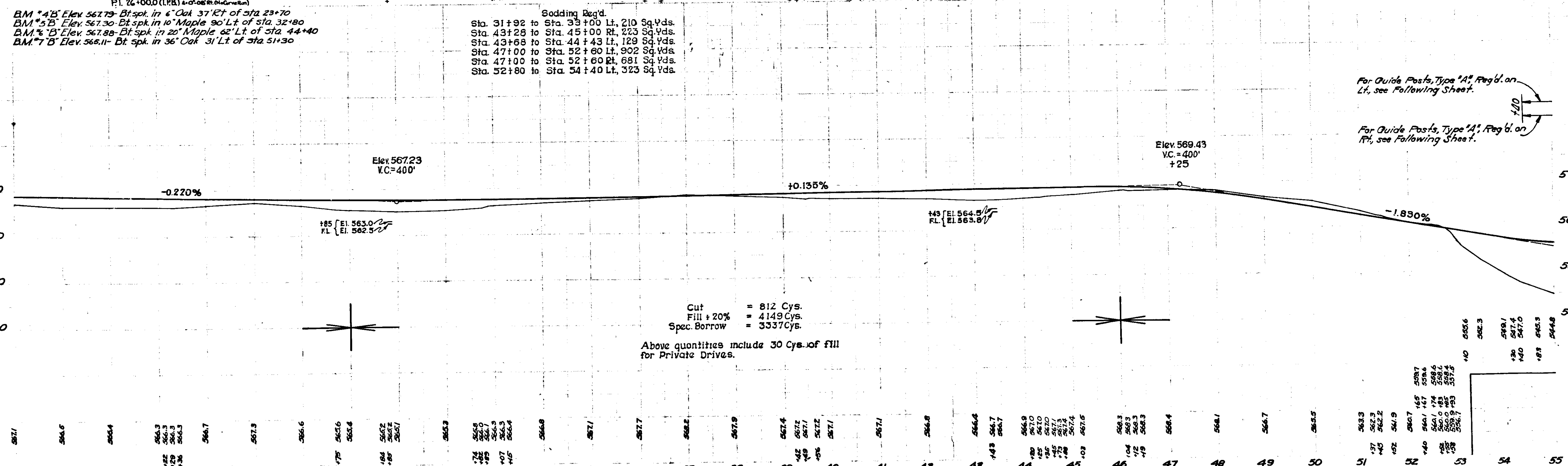
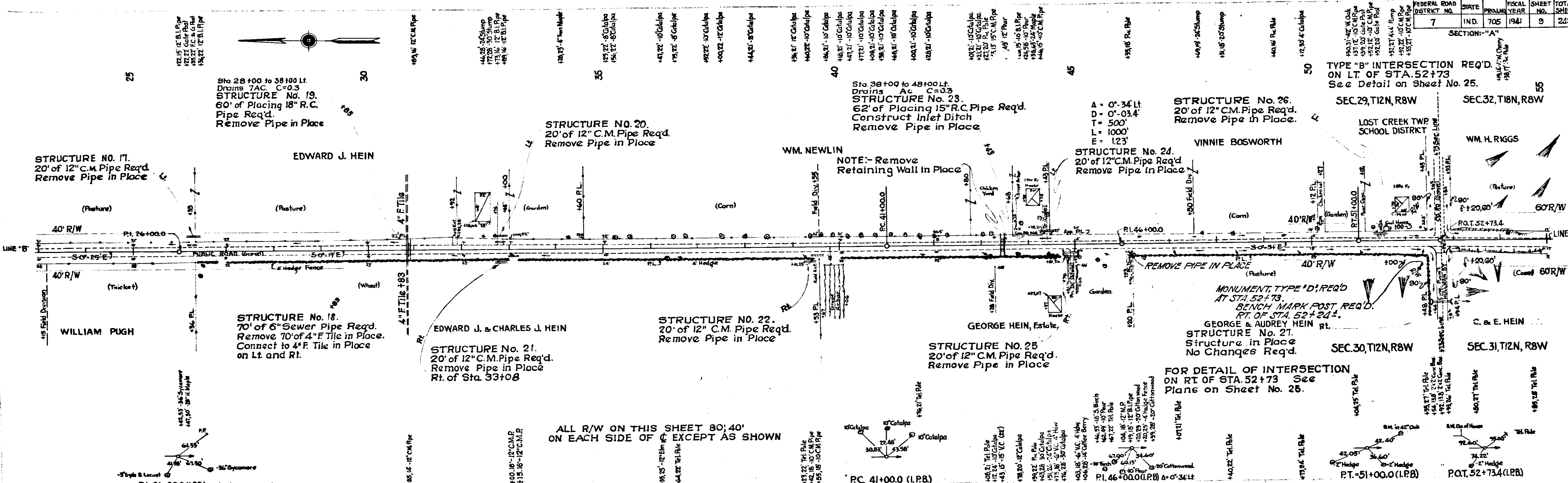
PT. 52+73.4 (L.P.B.)

PT. 52+73.4 (L.P.B.)

PT. 52+73.4 (L.P.B.)

PT. 52+73.4 (L.P.B.)

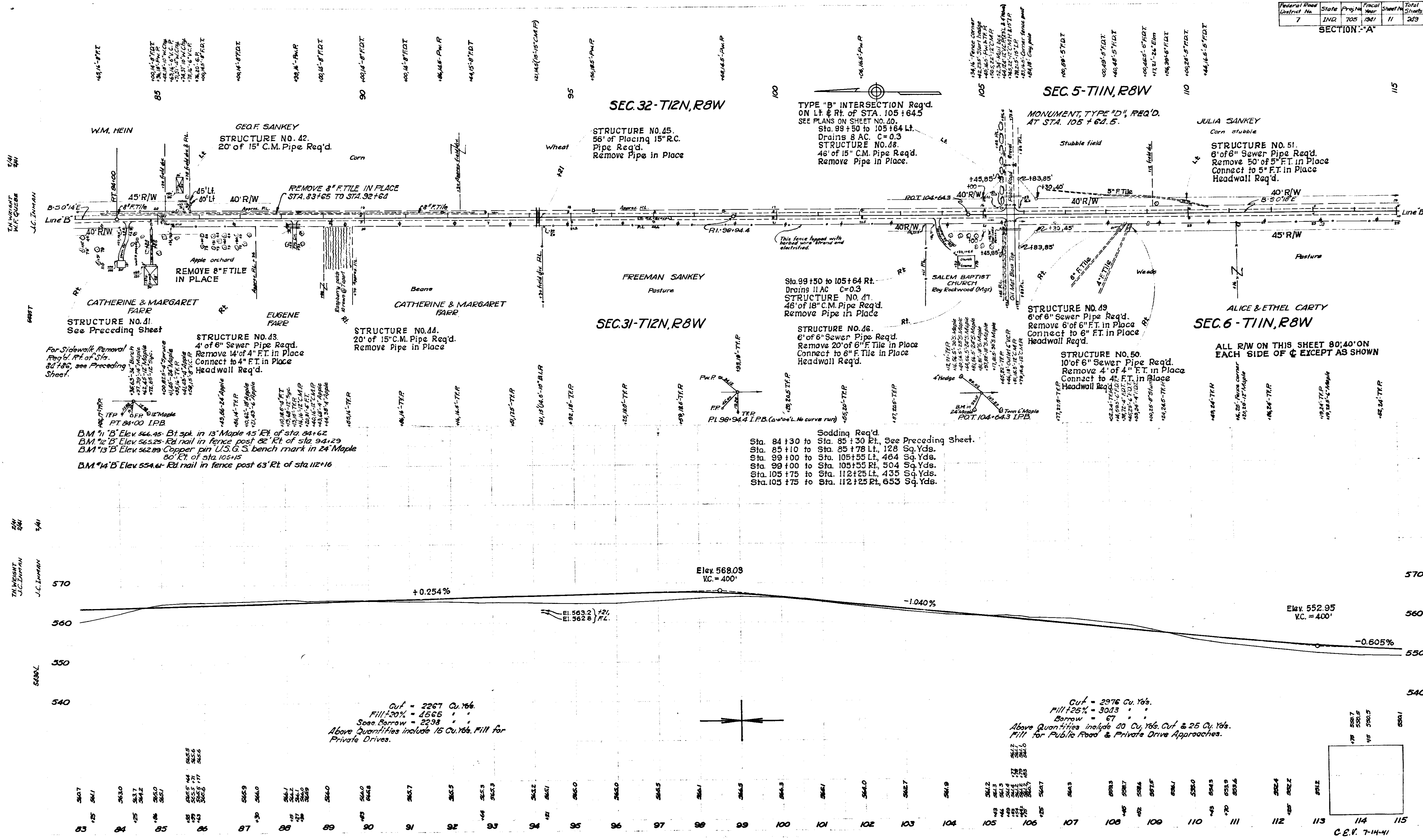
PT. 52+73.4 (L.P.B.)



C.E.V. 7-14-41

Federal Road District No.	State	Proj. No.	Fiscal Year	Sheet No.	Total Sheets
7	IND.	705	1947	11	213

SECTION - "A"



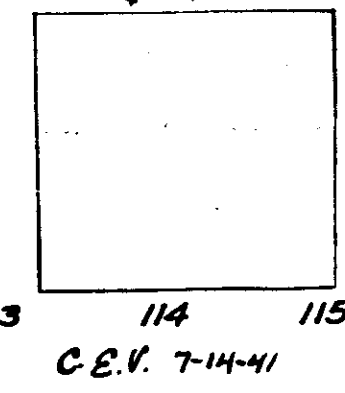
For Sidewalk Removal
Req'd. R/L of Sta.
84+78.6, see Preceding
Sheet.

BM *11' B' Elev. 544.45 Bl. spk. in 18' Maple 45' Rt. of sta. 84+62
BM *12' B' Elev. 553.25 Bl. nail in fence post 82' Rt. of sta. 94+29
BM *13' B' Elev. 552.89 Copper pin U.S.G.S. bench mark in 24' Maple
80' Rt. of sta. 105+15
BM *14' B' Elev. 554.64 Bl. nail in fence post 63' Rt. of sta. 112+16

Sodding Req'd.
Sta. 84+30 to Sta. 85+30 Rt. See Preceding Sheet.
Sta. 85+10 to Sta. 85+78 Lt. 128 Sq. Yds.
Sta. 89+00 to Sta. 105+55 Lt. 464 Sq. Yds.
Sta. 99+00 to Sta. 105+55 Rt. 504 Sq. Yds.
Sta. 105+75 to Sta. 112+25 Lt. 435 Sq. Yds.
Sta. 105+75 to Sta. 112+25 Rt. 653 Sq. Yds.

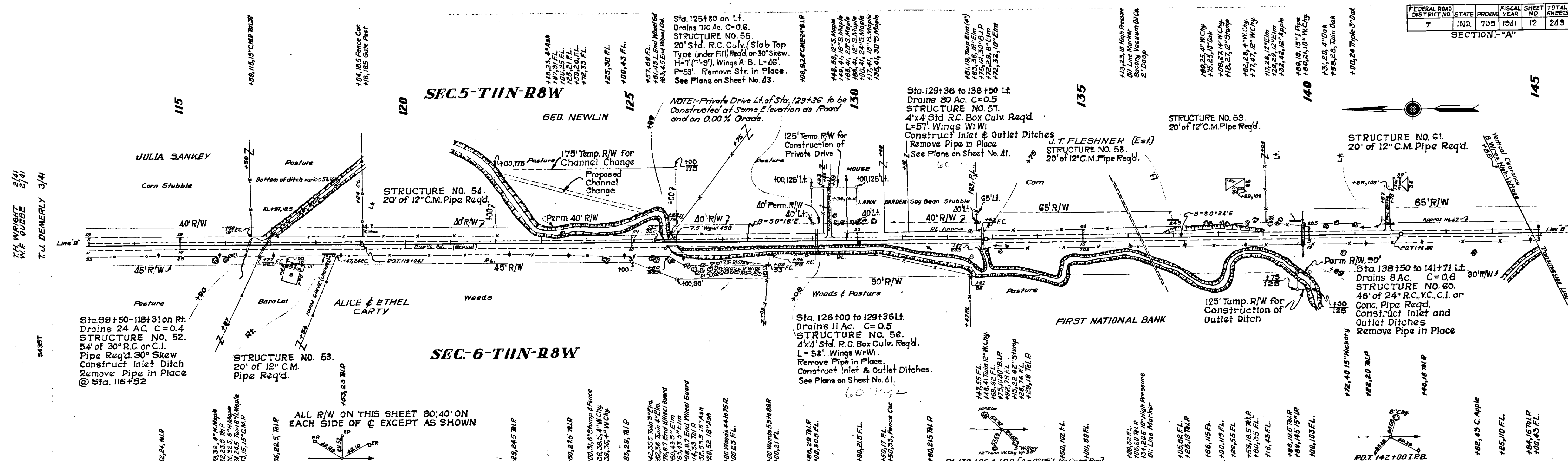
Cut = 2267 Cu. Yds.
Fill = 20% = 4665
Soils Borrow = 2298
Above Quantities include 15 Cu. Yds. Fill for
Private Drives.

Cut = 2976 Cu. Yds.
Fill = 25% = 3013
Borrow = 3013
Above Quantities include 20 Cu. Yds. Cut & 25 Cu. Yds.
Fill for Public Road & Private Drive Approaches.



FEDERAL ROAD DISTRICT NO.	STATE	PROJECT YEAR	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	IND.	705	1941	12	249

SECTION: "A"



ALL R/W ON THIS SHEET 80:40' ON EACH SIDE OF & EXCEPT AS SHOWN

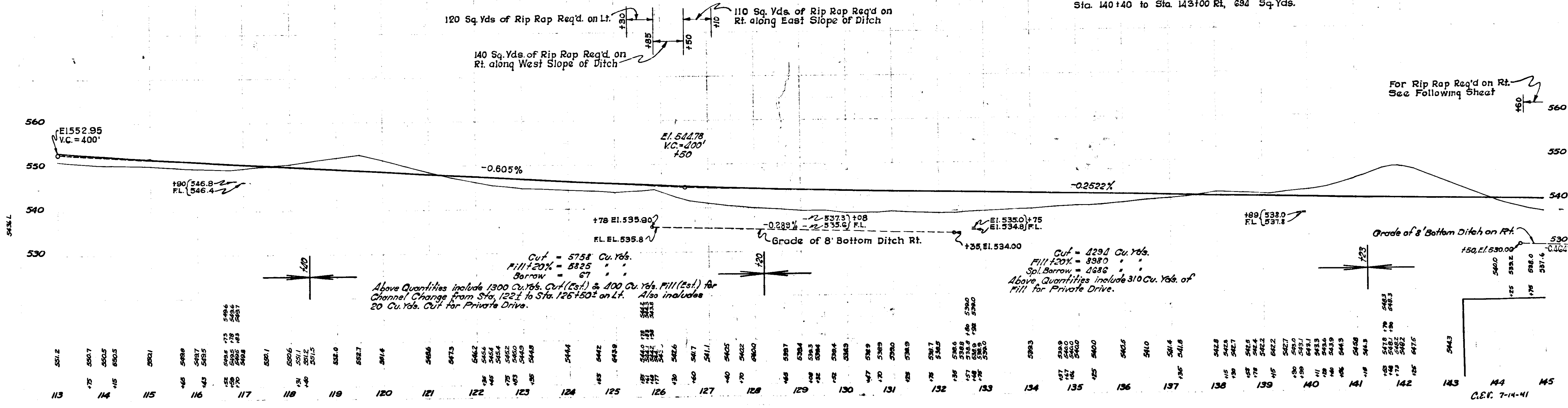
B.M. "15" B" Elev. 554.40 Bt. spk. in 8" Twin Maple so Rt. of Sta. 116+43
 B.M. "16" B" Elev. 540.52 Bt. spk. in 18" Maple 59' Lt. of Sta. 129+46
 B.M. "17" B" Elev. 538.12 Bt. spk. in 7" Willow up 2'-09" Rt. of Sta. 137+08

Sta. 118+40 to Sta. 121+00	594	Sq. Yds.
Sta. 118+50 to Sta. 121+00	350	Sq. Yds.
Sta. 123+00 to Sta. 124+00	211	Sq. Yds.
Sta. 129+23 to Sta. 130+60	121	Sq. Yds.
Sta. 137+50 to Sta. 139+50	603	Sq. Yds.
Sta. 140+40 to Sta. 143+00	806	Sq. Yds.
Sta. 140+40 to Sta. 143+00	694	Sq. Yds.

120 Sq. Yds. of Rip Rap Req'd on Lt. along East Slope of Ditch

110 Sq. Yds. of Rip Rap Req'd on Rt. along East Slope of Ditch

140 Sq. Yds. of Rip Rap Req'd on Rt. along West Slope of Ditch



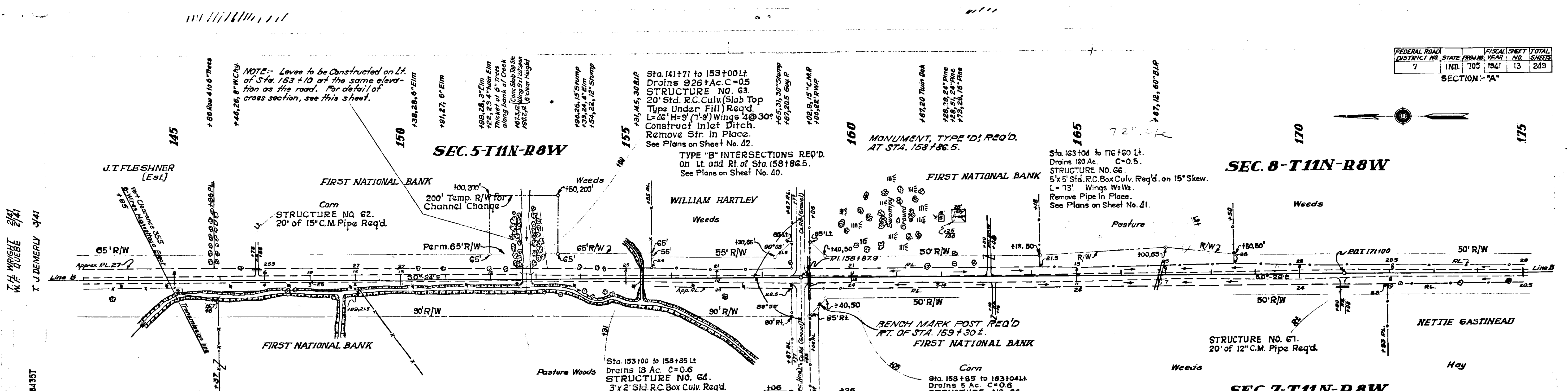
Cut = 5758 Cu. Yds.
 Fill = 20% = 8325
 Borrow = 67

Above Quantities include 1300 Cu. Yds. Cut (Est.) & 400 Cu. Yds. Fill (Est.) for Channel Change from Sta. 122+1 to Sta. 126+50 on Lt. Also includes 20 Cu. Yds. Cut for Private Drive.

Cut = 1294 Cu. Yds.
 Fill = 20% = 8380
 Sp. Borrow = 4286

Above Quantities include 310 Cu. Yds. of Fill for Private Drive.

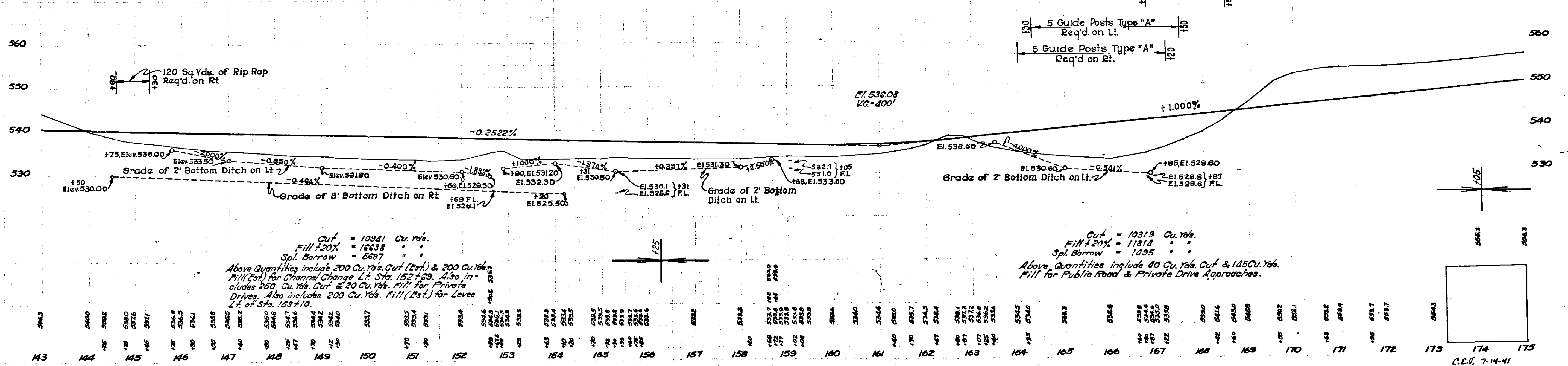
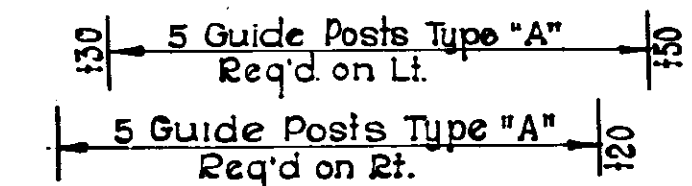
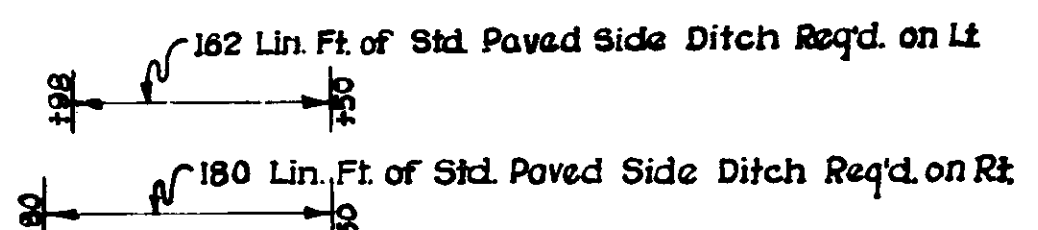
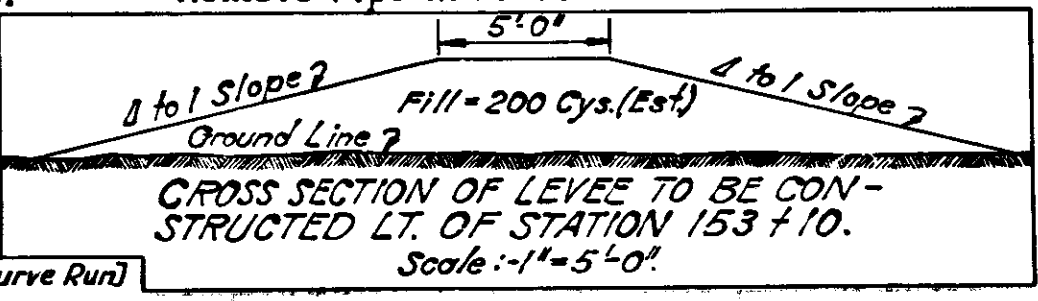
C.E.F. 7-14-41



ALL R/W ON THIS SHEET 80'± ON EACH SIDE OF R EXCEPT AS SHOWN

B.M. 19 B Elev. 538.44 Bt. spk in 7" Wild Cherry 52' Lt. of Sta. 151+88
 B.M. 18 B Elev. 532.87 Bt. spk in 4" Cottonwood up 2' 45" Rt. of Sta. 154+24
 B.M. 20 B Elev. 531.57 Bt. spk in 5" twin Willow 96' Rt. of Sta. 160+41
 B.M. 21 B Elev. 533.48 Bt. spk in 6" tree 93' Lt. of Sta. 167+12
 B.M. 22 B Elev. 530.18 Bt. spk in 9" Elm 66' Rt. of Sta. 171+88

Sta.	From	To	Area	Notes
145	75	147	182	Sq. Yds.
152	00	152	163	Sq. Yds.
152	90	155	368	Sq. Yds.
158	00	158	75	Sq. Yds.
161	40	166	501	Sq. Yds.
162	00	163	63	Sq. Yds.
168	00	178	2371	Sq. Yds.
168	00	186	4310	Sq. Yds.



Cut = 10341 Cu. Yds.
 Fill + 20% = 16638
 Spl. Borrow = 5697

Cut = 10319 Cu. Yds.
 Fill + 20% = 11814
 Spl. Borrow = 1495

Above Quantities include 200 Cu. Yds. Cut (Est.) & 200 Cu. Yds. Fill (Est.) for Channel Change Lt. Sta. 152+63. Also includes 250 Cu. Yds. Cut & 20 Cu. Yds. Fill for Private Drives. Also includes 200 Cu. Yds. Fill (Est.) for Levee Lt. of Sta. 153+10.

Above Quantities include 40 Cu. Yds. Cut & 145 Cu. Yds. Fill for Public Road & Private Drive Approaches.

FEDERAL ROAD DISTRICT NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
7	IND	705	1341	15

SECTION: 14'

NOTE: For Pavement Removal Reg'd. between Sta. 194+00 and Sta. 213+00, see Preceding Sheet.

SEC. 8-TIIN, R8W

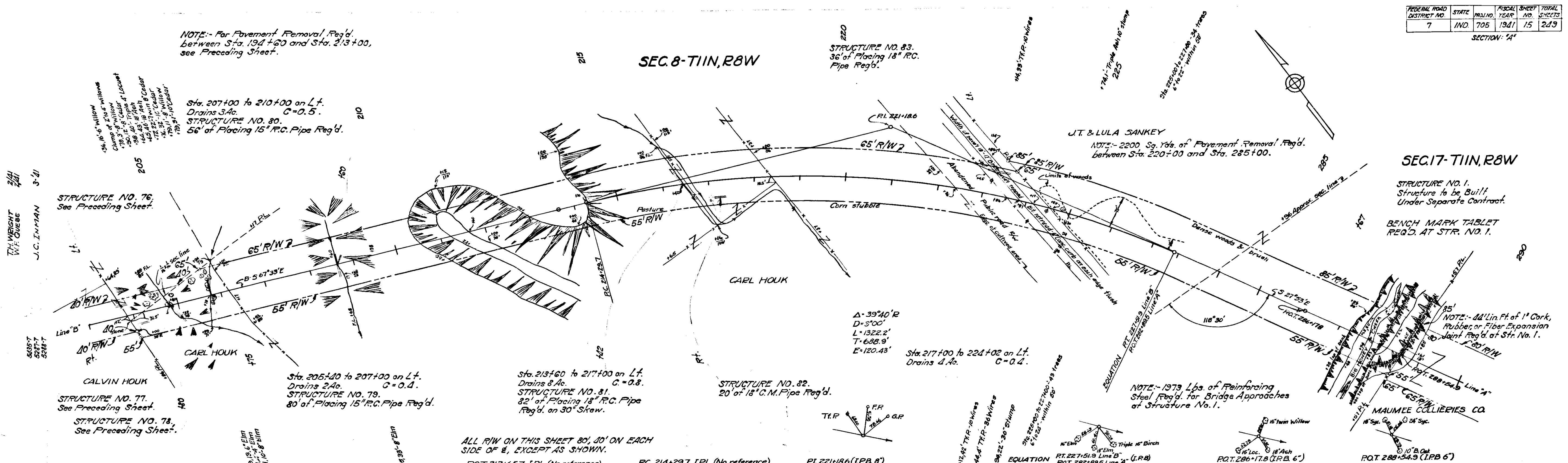
STRUCTURE NO. 83.
36' of Placing 18" R.C. Pipe Reg'd.

Sta. 207+00 to 210+00 on Lt.
Drains 3 Ac. G=0.5.
STRUCTURE NO. 80.
56' of Placing 15" R.C. Pipe Reg'd.

JT & LULA SANKEY
NOTE: 2200 Sq. Yds. of Pavement Removal Reg'd. between Sta. 220+00 and Sta. 285+00.

SEC. 17-TIIN, R8W

STRUCTURE NO. 1.
Structure to be Built Under Separate Contract.
BENCH MARK TABLET REG'D. AT STR. NO. 1.



Sta. 205+00 to 207+00 on Lt.
Drains 2 Ac. G=0.1.
STRUCTURE NO. 79.
80' of Placing 15" R.C. Pipe Reg'd.

Sta. 213+00 to 217+00 on Lt.
Drains 8 Ac. G=0.8.
STRUCTURE NO. 81.
82' of Placing 18" R.C. Pipe Reg'd. on 30° Skew.

STRUCTURE NO. 82.
20' of 18" C.M. Pipe Reg'd.

NOTE: 1973 Lbs. of Reinforcing Steel Reg'd. for Bridge Approaches of Structure No. 1.

NOTE: All Lin. Ft. of 1" Cork, Rubber or Fiber Expansion Joint Reg'd. at Str. No. 1.

ALL R/W ON THIS SHEET 80' 10' ON EACH SIDE OF R., EXCEPT AS SHOWN.

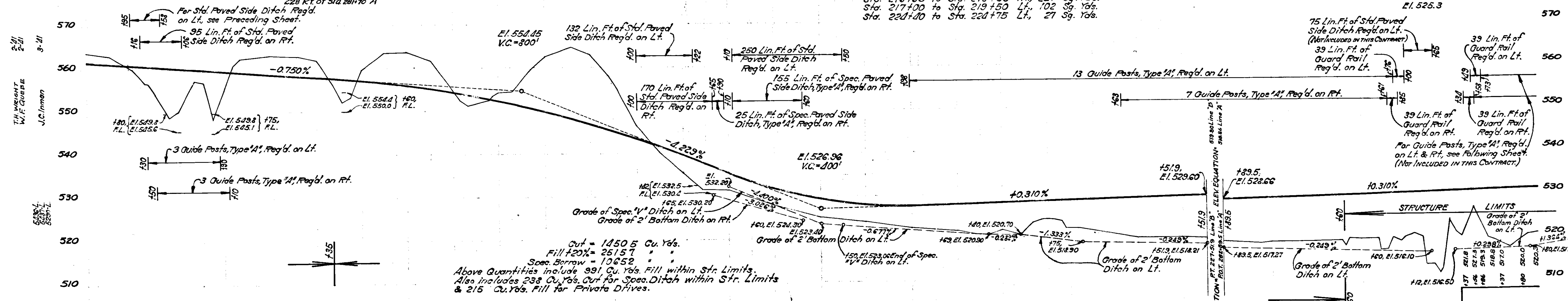
P.O.T. 213+65.7 I.P.L. (No reference) P.C. 214+23.7 I.P.L. (No reference) P.I. 221+18.6 (I.P.B. 8)

B.M. #27 A Elev. 541.21 B - Dtspk. in 16' Locust 127' Lt. of Sta. 203+55 B
B.M. #27 B Elev. 560.86 B - Dtspk. in 14' Twin Walnut 84' Rt. of Sta. 206+45 B
B.M. #29 A Elev. 562.56 B - Dtspk. in 12' Apple 199' Lt. of Sta. 212+50 B
B.M. #29 B Elev. 552.04 B - Dtspk. in 12' Sycamore 117' Lt. of Sta. 215+78 B

EQUATION - B.M. #30 A Elev. 521.20 B - Dtspk. in 24' Cottonwood 228' Rt. of Sta. 210+00 A
For Std. Paved Side Ditch Reg'd. on Lt. see Preceding Sheet.

Sodding Reg'd.
Sta. 207+00 to Sta. 208+00 Lt. 219 Sq. Yds.
Sta. 209+00 to Sta. 211+32 Rt. 4117 Sq. Yds.
Sta. 212+00 to Sta. 215+50 Lt. 1756 Sq. Yds.
Sta. 216+66 to Sta. 218+60 Rt. 722 Sq. Yds.
Sta. 217+00 to Sta. 219+50 Lt. 102 Sq. Yds.
Sta. 221+00 to Sta. 221+75 Lt. 27 Sq. Yds.

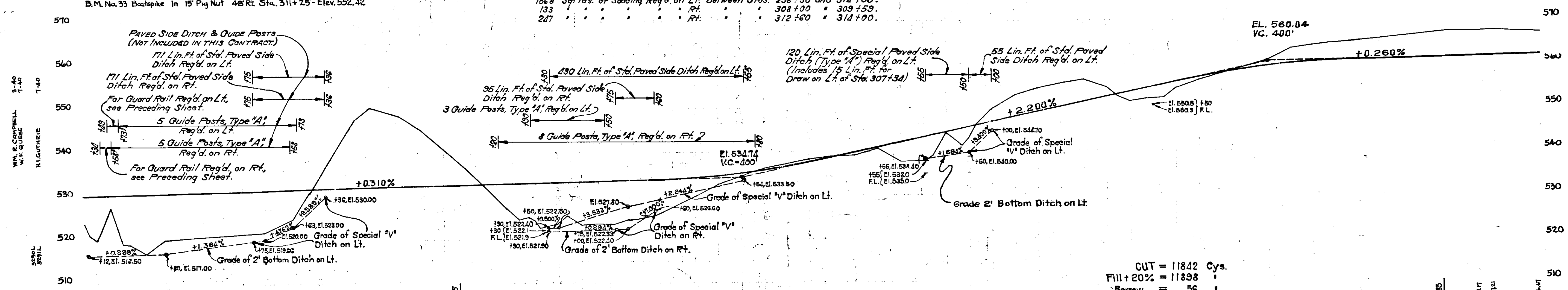
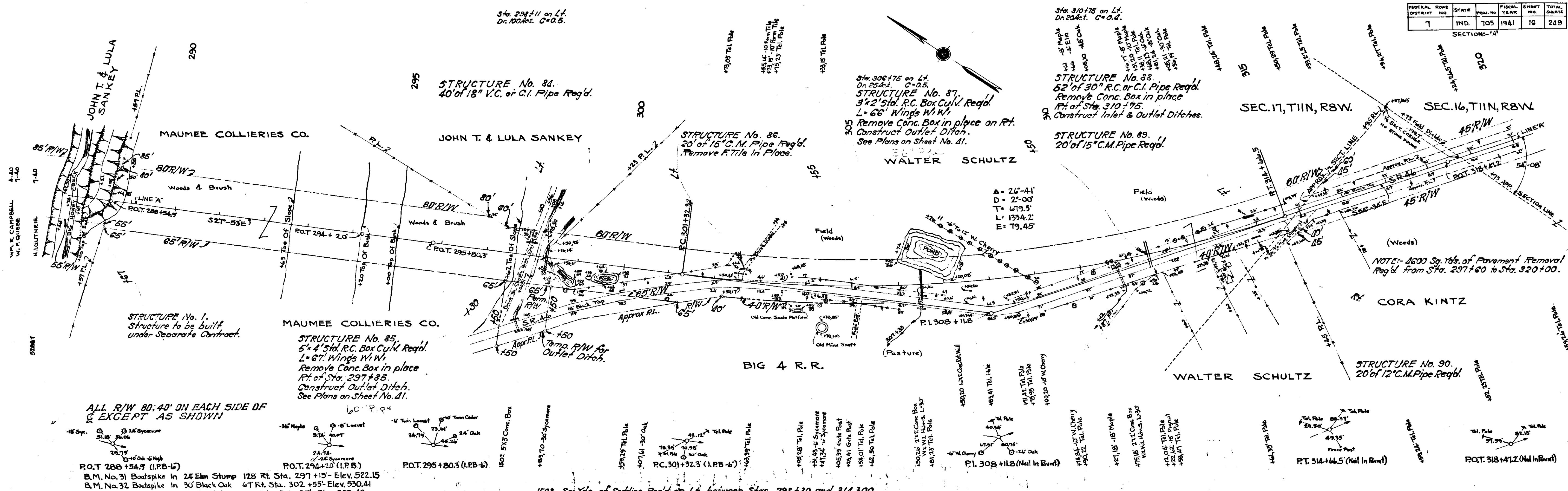
HIGH WATER DATA
E1. 526.0 ±
BRIDGE DEPT.
E1. 525.3



Out = 1450.5 Cu. Yds.
Fill 120% = 2515.7
Spec. Borrow = 1065.2
Above quantities include 991 Cu. Yds. Fill within Str. Limits.
Also includes 238 Cu. Yds. Cut for Spec. Ditch within Str. Limits & 215 Cu. Yds. Fill for Private Drives.

203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230
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FEDERAL ROAD DISTRICT NO.	STATE	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	IND.	1941	10	249



STATION	CUT	FILL
288		
289		
290		
291		
292		
293		
294		
295		
296		
297		
298		
299		
300		
301		
302		
303		
304		
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320		

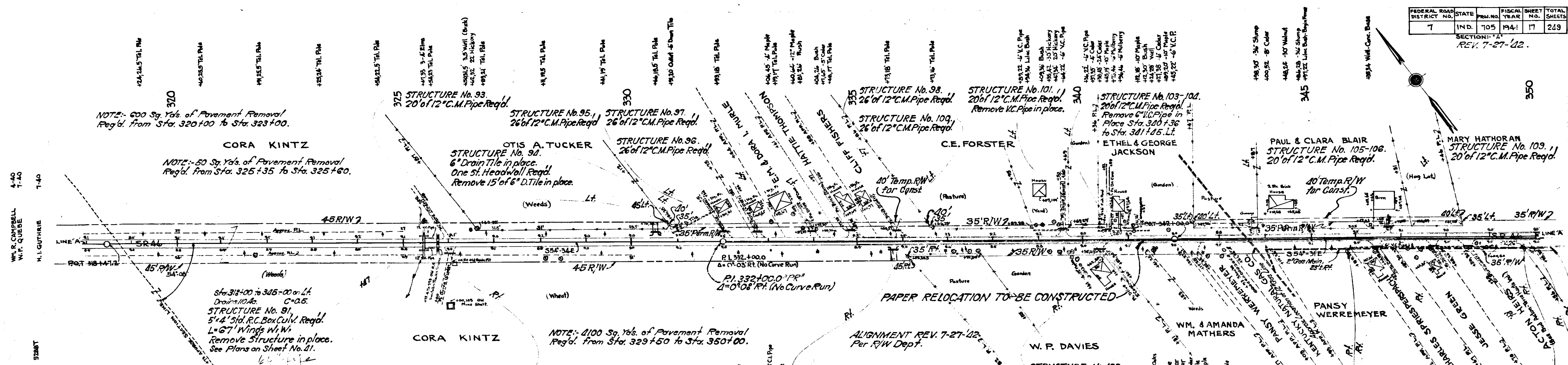
CUT = 11842 Cys.
 Fill + 20% = 11898
 Borrow = 56
 The above quantities include 150 cyds. of cut for Channel Change on Lt. and outlet Ditch on Rt. Sta. 298+30 and 875 cyds. of Cut within Structure Limits. Also includes 45 cyds. of Cut and 100 cyds. of Fill for Private Drives.

SEE 7-14-41

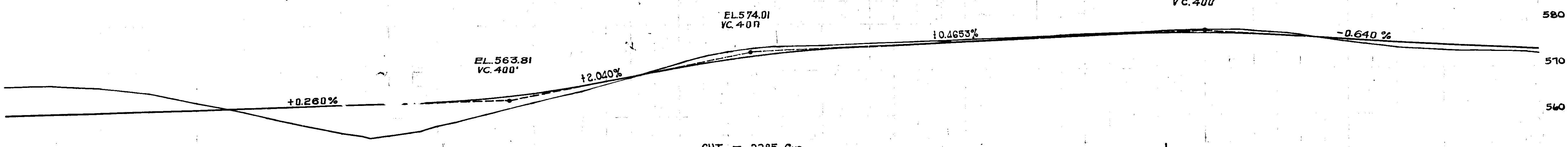
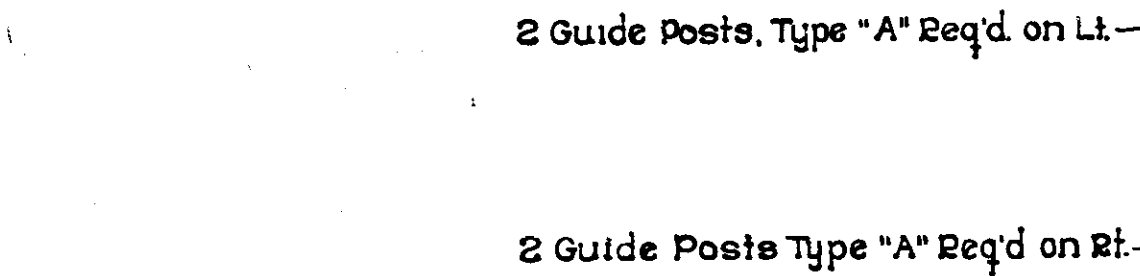
1/1/40

FEDERAL ROAD DISTRICT NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	IND.	105	1941	17	249

SECTION: 7
REV. 7-27-42.



Sta.	Sp. Yds. of Sodding Req'd. on 1/2" R/L	between Stas.	331+00	and	333+64
329	62	LT.	328+00		336+26
330	42	LT.	338+58		339+70
331	185	LT.	340+48		341+27
332	228	LT.	343+87		345+00
333	58	RT.	345+89		347+89
		RT.	339+70		340+30



CUT = 4975 Cys.
Fill + 20% = 5050
Borrow = 75

The above Quantities include 100 cyds of fill and 10 cyds of cut for Private Drives.

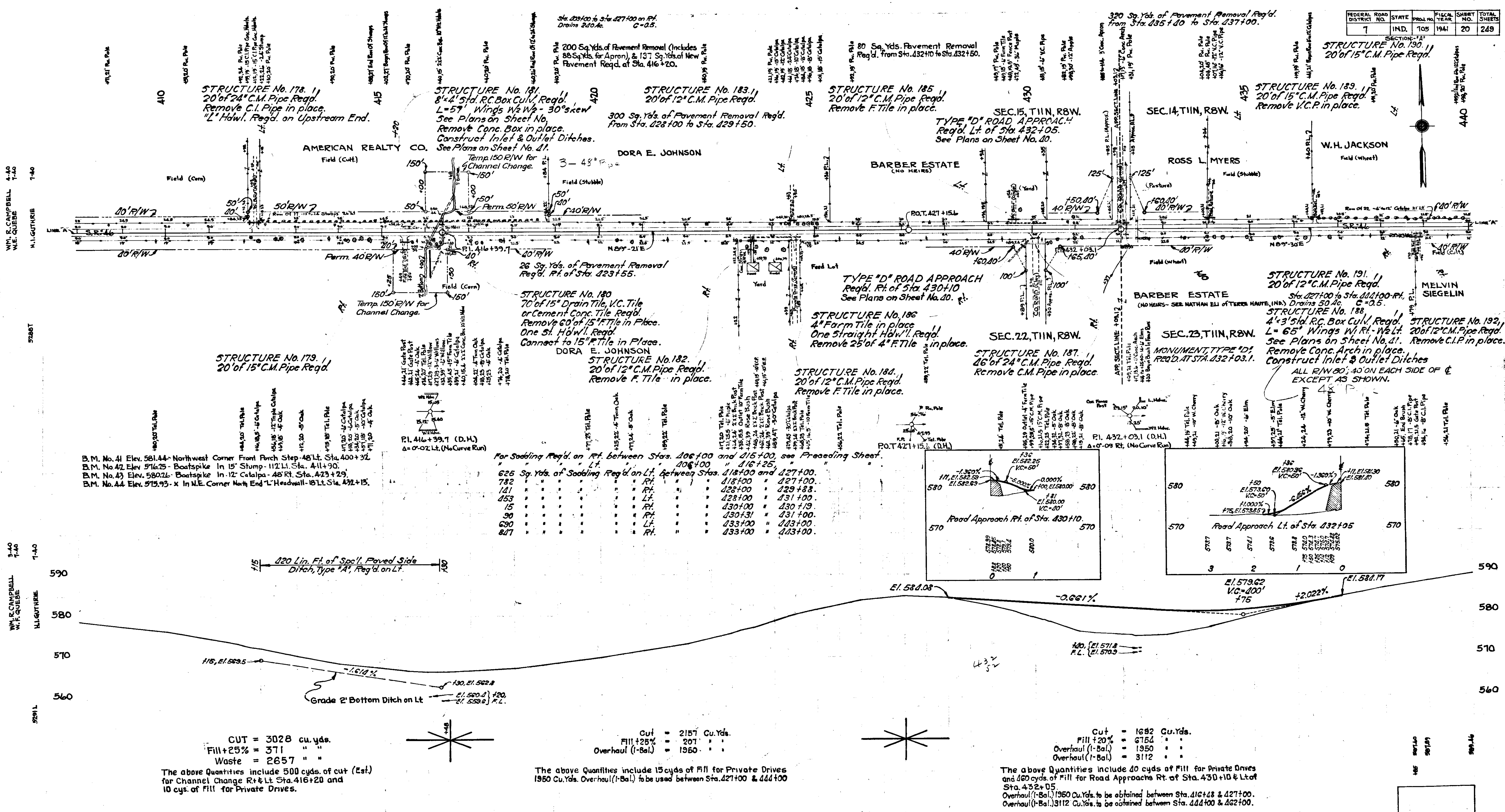
CUT = 2235 Cys.
Fill + 25% = 2504
Borrow = 19

The above Quantities include 50 cyds of cut and 5 cyds of fill for Private Drives.

318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350
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C.D.V. 7-14-41

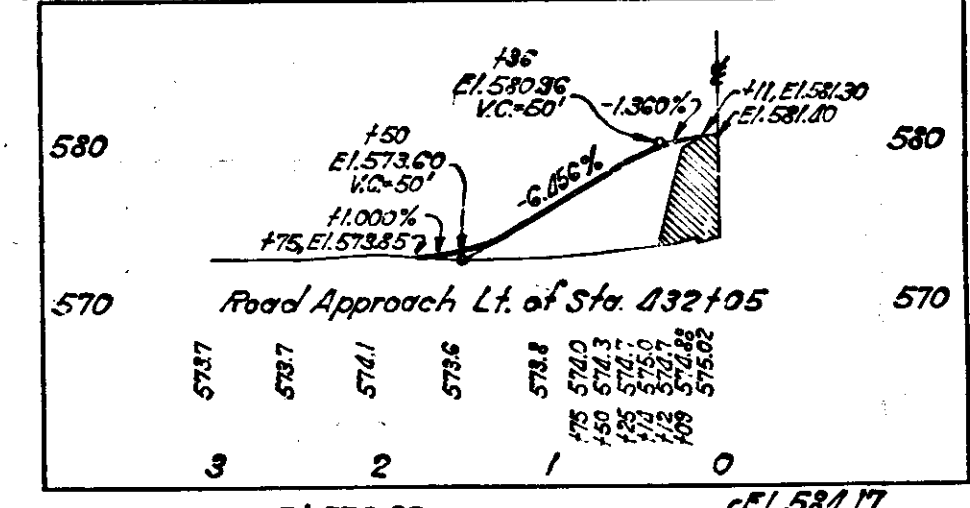
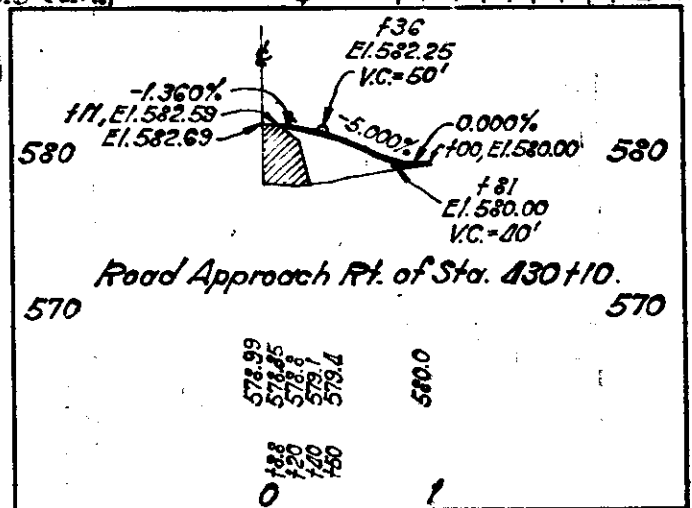
FEDERAL DISTRICT	STATE	PROJ. NO.	FILE NO.	SHEET NO.	TOTAL SHEETS
7	IND.	105	1941	20	249



B.M. No. 41 Elev. 581.44 - Northwest Corner Front Porch Step - 48' Lt. Sta. 400+32.
 B.M. No. 42 Elev. 576.75 - Boatspike In 15' Stump - 112' Lt. Sta. 411+90.
 B.M. No. 43 Elev. 580.26 - Boatspike In 1/2' Calapa - 48' Rt. Sta. 423+29.
 B.M. No. 44 Elev. 573.93 - In N.E. Corner North End L' Headwall - 18' Lt. Sta. 432+15.

For Sadding Reg'd. on Rt. between Stas. 406+00 and 415+00, see Preceding Sheet.

406+00	416+25
626 Sq. Yds. of Sadding Reg'd. on Lt. between Stas. 418+00 and 427+00.	
782	418+00
141	421+00
453	424+00
15	427+00
90	430+00
807	433+00



Cut = 3028 cu. yds.
 Fill +25% = 371 " "
 Waste = 2657 " "
 The above Quantities include 500 cyds. of cut (Est.) for Channel Change R+Lt. Sta. 416+20 and 10 cys. of Fill for Private Drives.

Cut = 2157 Cu. Yds.
 Fill +25% = 207 " "
 Overhaul (1-Bal.) = 1950 " "
 The above Quantities include 15 cyds. of Fill for Private Drives 1950 Cu. Yds. Overhaul (1-Bal.) to be used between Sta. 427+00 & 444+00

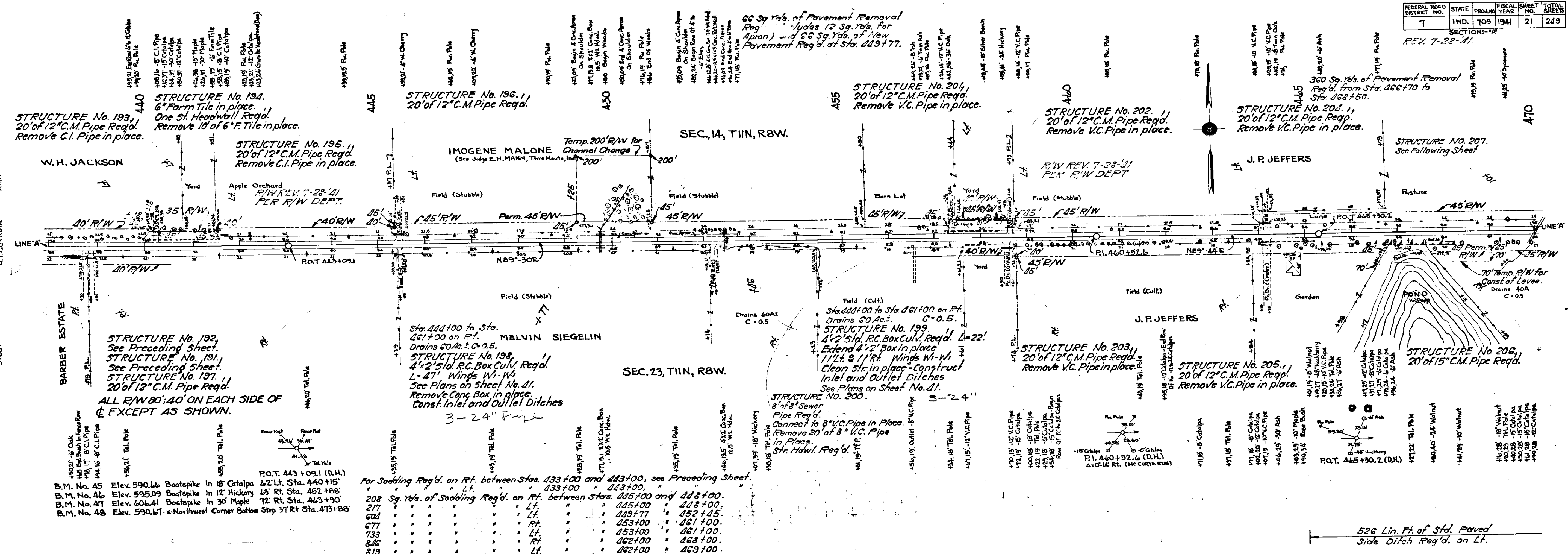
Cut = 1692 Cu. Yds.
 Fill +20% = 6754 " "
 Overhaul (1-Bal.) = 1950 " "
 Overhaul (1-Bal.) 3112 " "
 The above Quantities include 40 cyds. of Fill for Private Drives and 460 cyds. of Fill for Road Approaches Rt. of Sta. 430+10 & Lt. of Sta. 432+05. Overhaul (1-Bal.) 1950 Cu. Yds. to be obtained between Sta. 416+25 & 427+00. Overhaul (1-Bal.) 3112 Cu. Yds. to be obtained between Sta. 444+00 & 442+00.

408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440
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GEN. 7-14-41

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	IND.	705	1941	21	249

REV. 7-28-41



B.M. No. 45	Elev. 590.46	Boat Spike in 18' Catalpa	62' Lt. Sta. 440+15'
B.M. No. 46	Elev. 595.09	Boat Spike in 12' Hickory	43' Rt. Sta. 462+88'
B.M. No. 47	Elev. 606.41	Boat Spike in 30' Maple	72' Rt. Sta. 463+90'
B.M. No. 48	Elev. 590.47	Northwest Corner Bottom Step	37' Rt. Sta. 475+88'

For Soading Reg'd. on Rt. between Stas. 433+00 and 443+00, see Preceding Sheet.			
208	Sq. Yds. of Soading Reg'd. on Rt.	between Stas. 443+00 and 448+00.	443+00
217	"	"	445+00
201	"	"	449+77
277	"	"	453+00
733	"	"	453+00
846	"	"	462+00
819	"	"	462+00

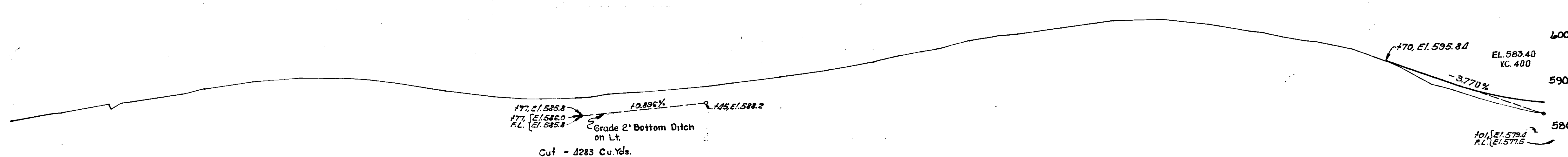
15 Sq. Yds. of Broken Conc. Pipe Reg'd. on Lt.

526 Lin. Ft. of Std. Paved Side Ditch Reg'd. on Lt.
 305 Lin. Ft. of Std. Paved Side Ditch Reg'd. on Rt.
 167 Lin. Ft. of Std. Paved Side Ditch Reg'd. on Rt.

Grade 2' Bottom Ditch on Lt.

Cut	= 223	Cu. Yds.
Fill (1-5al)	= 188	"
Overhaul (1-5al)	= 312	"
Overhaul (1-5al)	= 770	"
Waste	= 213	"

The above Quantities include 30 cu. yds. of cut for Channel Change on Lt. Sta. 443+77 and 30 cu. yds. of Fill for Private Drives. 312 Cuds. of Overhaul (1-Bal) to be used in Balance Section Sta. 427+00 to Sta. 444+00. 770 Cuds. of Overhaul (1-Bal) to be used in Balance Section Sta. 462+00 to Sta. 475+74.



436	437	438	439	440	441	442	443	444	445	446	447	448	449	470
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C.E.V. 7-14-41

DETAIL OF INTERSECTION OF PROJECT NO. 738 AND PROJECT NO. 705 - ADDITIONAL QUANTITIES	
Concrete Pavement	98 Sq. Yds.
Spl. Comb. Curb & Gutter	161 Lin. Ft.
Reinforcing Steel	124 Pounds.
Spl. Expansion Jts. - Type A5, D1, D2, D3, D4 or D5	22 Lin. Ft.
Spl. Expansion Jts. - 1" Cork, Rubber or Fiber	30 Lin. Ft.
Spl. Contra. Jts. (Without Dowels)	270 Lin. Ft.
Sodding	98 Sq. Yds.
Finishing Shoulders & Ditches	258 Lin. Ft.
2" Conc. Center Curb	76 Lin. Ft.
Conc. Curb - Type "B"	218 Lin. Ft.
ReflectORIZED Markers - Single Button Type with White Reflectors	16 Each.

FEDERAL ROAD DISTRICT NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	IND.	705	1941	25	249

EQUATION
 P.O.T. 82+56.9 "A" (Proj. 738)
 P.O.T. 0+00.0 "B" (Proj. 705)

STRUCTURE NO. 11 STA. 0+17 RT. PROJ. NO. 705

STRUCTURE NO. 12 STA. 0+26 RT. PROJ. NO. 705

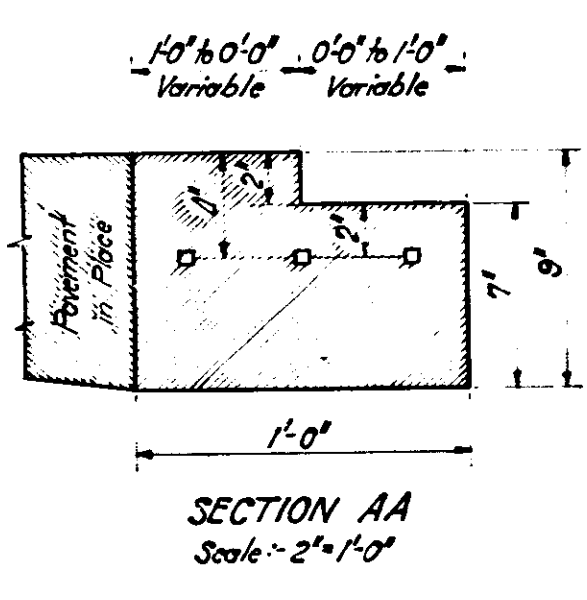
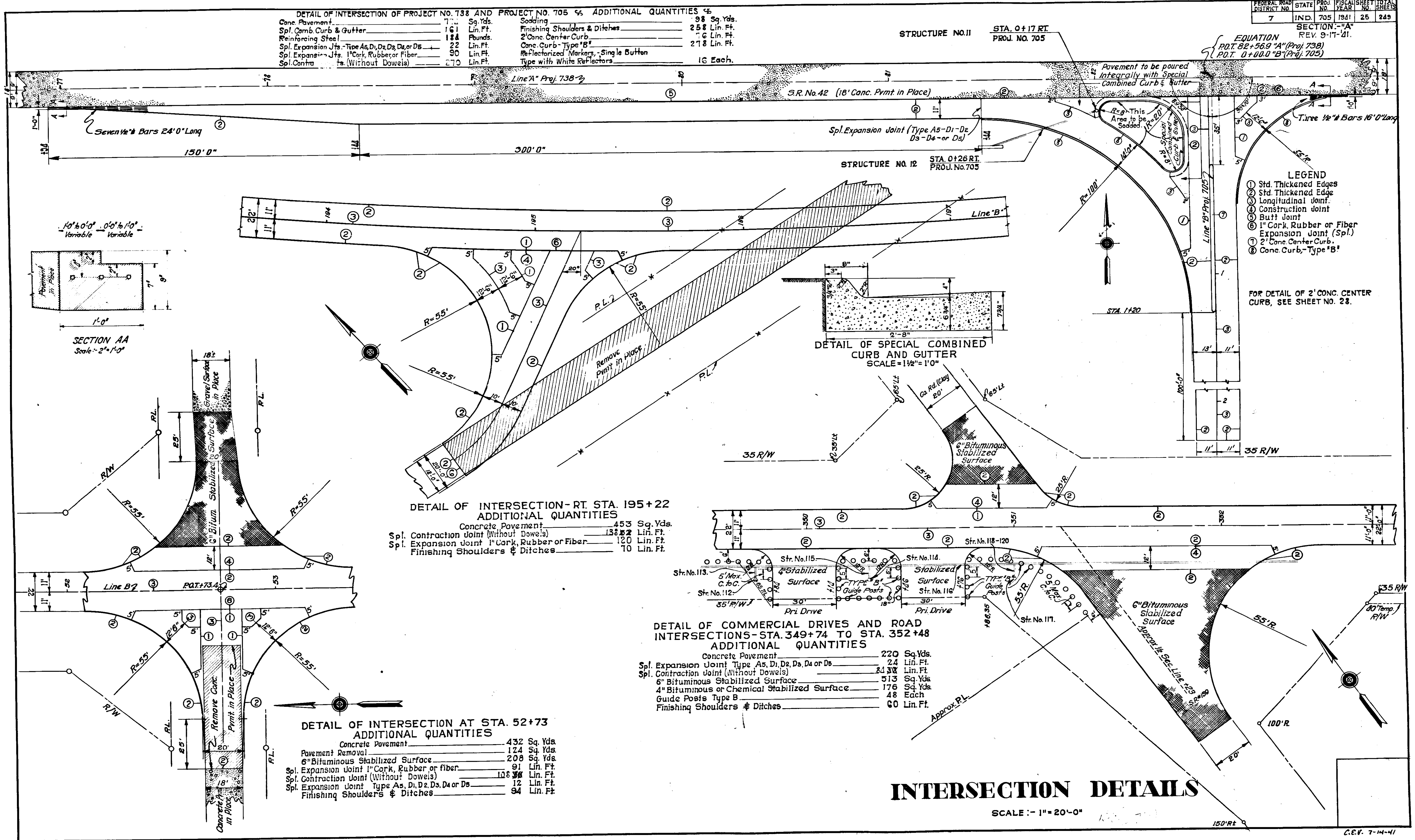
- LEGEND**
- ① Std. Thickened Edges
 - ② Std. Thickened Edge
 - ③ Longitudinal Joint
 - ④ Construction Joint
 - ⑤ Butt Joint
 - ⑥ 1" Cork, Rubber or Fiber Expansion Joint (Spl.)
 - ⑦ 2" Conc. Center Curb
 - ⑧ Conc. Curb - Type "B"

FOR DETAIL OF 2" CONC. CENTER CURB, SEE SHEET NO. 28.

INTERSECTION DETAILS

SCALE: 1" = 20'-0"

C.E.V. 7-14-41



DETAIL OF INTERSECTION - RT. STA. 195+22
 ADDITIONAL QUANTITIES

Concrete Pavement	453 Sq. Yds.
Spl. Expansion Joint (Without Dowels)	138 Lin. Ft.
Spl. Expansion Joint 1" Cork, Rubber or Fiber	120 Lin. Ft.
Finishing Shoulders & Ditches	10 Lin. Ft.

DETAIL OF COMMERCIAL DRIVES AND ROAD INTERSECTIONS - STA. 349+74 TO STA. 352+48
 ADDITIONAL QUANTITIES

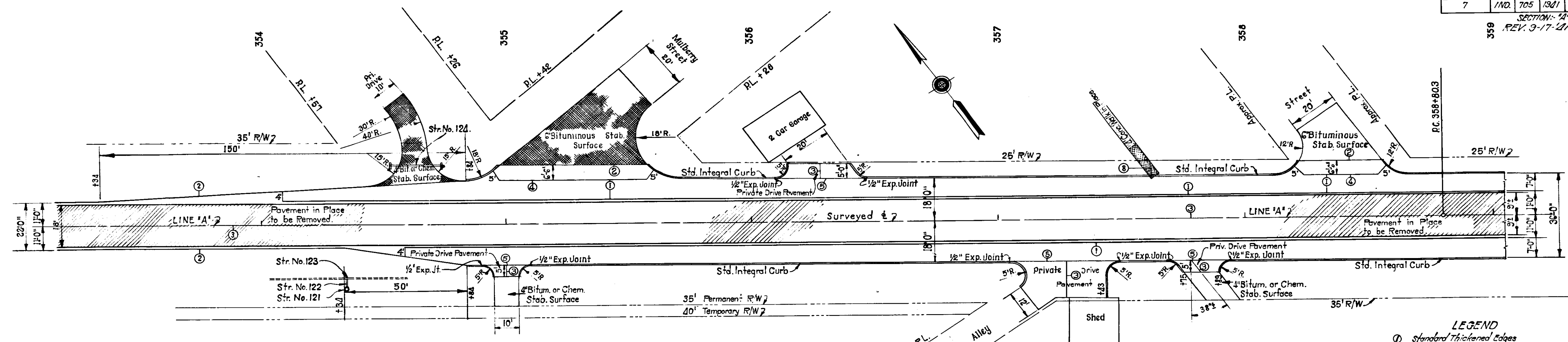
Concrete Pavement	220 Sq. Yds.
Spl. Expansion Joint Type A5, D1, D2, D3, D4 or D5	24 Lin. Ft.
Spl. Expansion Joint (Without Dowels)	24 Lin. Ft.
6" Bituminous Stabilized Surface	513 Sq. Yds.
4" Bituminous or Chemical Stabilized Surface	176 Sq. Yds.
Guide Posts Type B	48 Each.
Finishing Shoulders & Ditches	60 Lin. Ft.

DETAIL OF INTERSECTION AT STA. 52+73
 ADDITIONAL QUANTITIES

Concrete Pavement	432 Sq. Yds.
Pavement Removal	124 Sq. Yds.
6" Bituminous Stabilized Surface	208 Sq. Yds.
Spl. Expansion Joint 1" Cork, Rubber or Fiber	91 Lin. Ft.
Spl. Expansion Joint (Without Dowels)	108 Lin. Ft.
Spl. Expansion Joint Type A5, D1, D2, D3, D4 or D5	12 Lin. Ft.
Finishing Shoulders & Ditches	94 Lin. Ft.

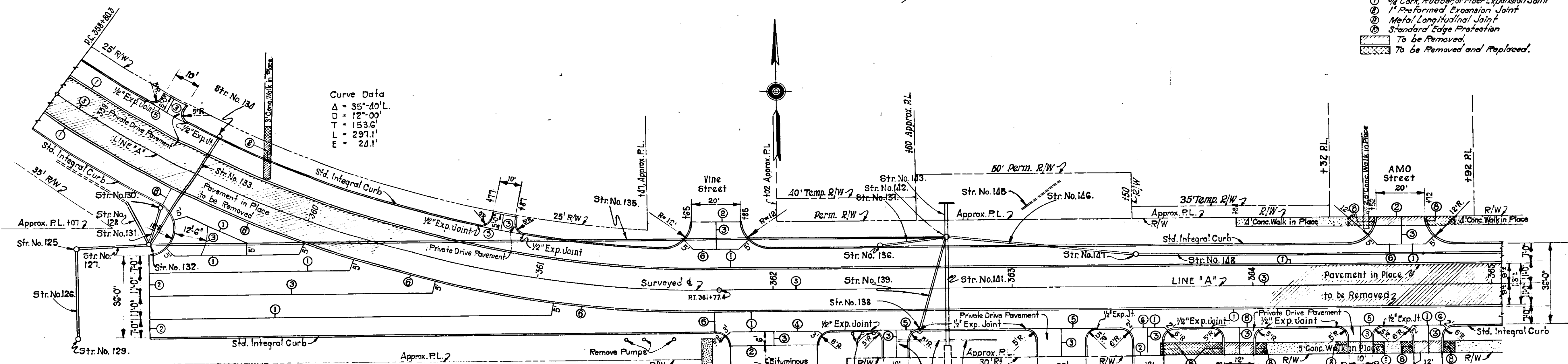
FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	IND.	705	1941	26	249

SECTION: 11
REV. 9-17-41.



- LEGEND**
- ① Standard Thickened Edges
 - ② Standard Thickened Edge
 - ③ Longitudinal Joint
 - ④ Construction Joint
 - ⑤ Butt Joint
 - ⑥ 1" Cork, Rubber, or Fiber Expansion Joint (Spl.)
 - ⑦ 3/4" Cork, Rubber, or Fiber Expansion Joint
 - ⑧ 1" Preformed Expansion Joint
 - ⑨ Metal Longitudinal Joint
 - ⑩ Standard Edge Protection
 - ▨ To be Removed
 - ▩ To be Removed and Replaced.

Curve Data
 $\Delta = 35^{\circ}40' L$
 $D = 12^{\circ}00'$
 $T = 153.6'$
 $L = 297.1'$
 $E = 24.1'$



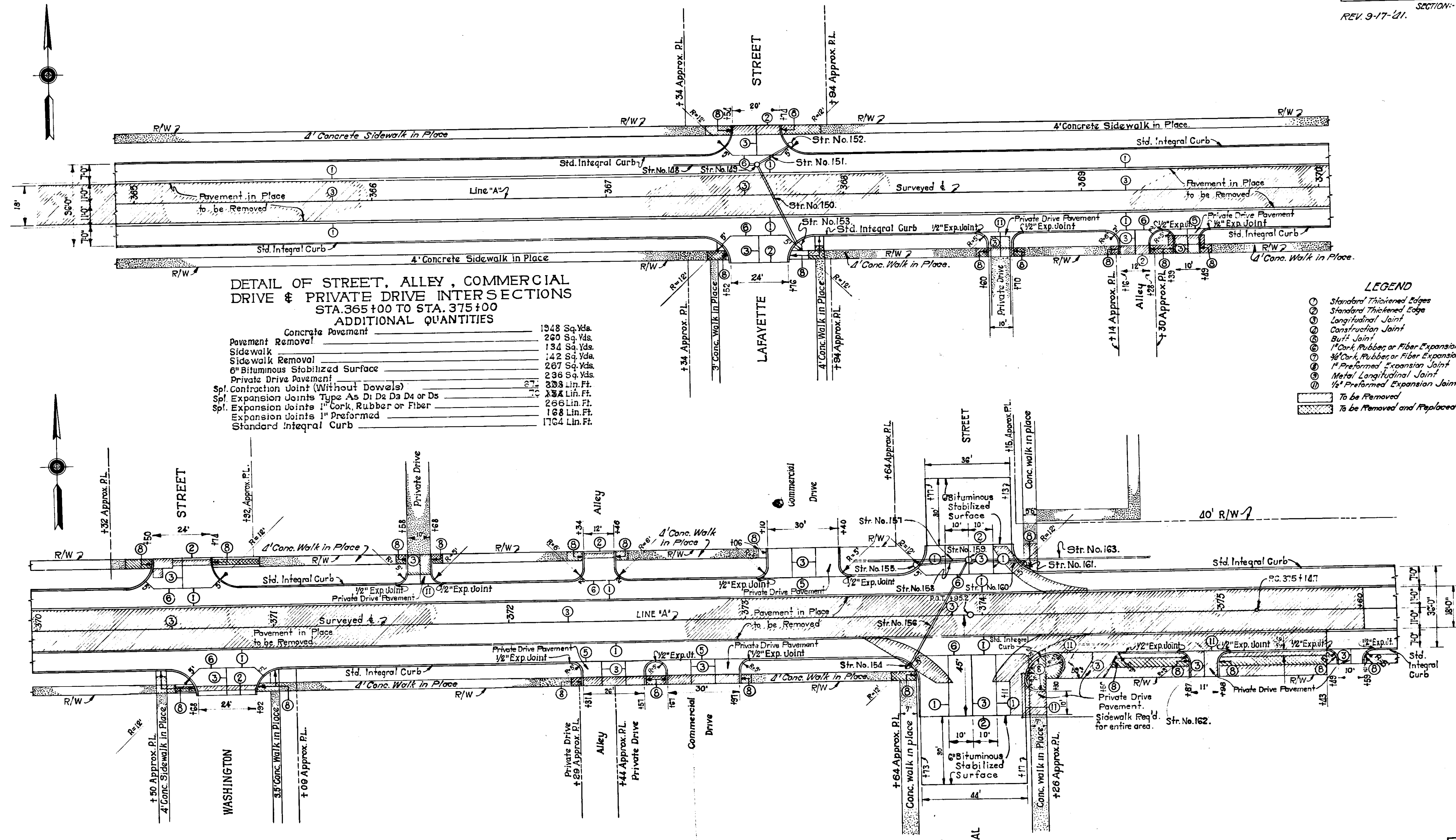
DETAIL OF TRANSITION STREET AND PRIVATE DRIVE INTERSECTIONS STA. 353+34 TO STA. 365+00
ADDITIONAL QUANTITIES

Concrete Pavement	2357	Sq. Yds.
Sidewalk	46	Sq. Yds.
Sidewalk Removal	82	Sq. Yds.
6" Bituminous Stabilized Surface	282	Sq. Yds.
4" Bituminous or Chemical Stabilized Surface	88	Sq. Yds.
Private Drive Pavement	195	Sq. Yds.
Spl. Contraction Joint (Without Dowels)	302	Lin. Ft.
Spl. Expansion Joints Type As D1 D2 D3 D4 or D5	62	Lin. Ft.
Spl. Expansion Joints 1" Cork, Rubber or Fiber	343	Lin. Ft.
Expansion Joints 1" Preformed	52	Lin. Ft.
Standard Integral curb	1104	Lin. Ft.
Pavement Removal	See Sheet No 18	

INTERSECTION DETAILS
 Scale: 1"=20'0"

DISTRICT	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	IND.	705	1941	27	249

SECTION: 14
REV. 9-17-41.



DETAIL OF STREET, ALLEY, COMMERCIAL DRIVE & PRIVATE DRIVE INTERSECTIONS
STA. 365+00 TO STA. 375+00
ADDITIONAL QUANTITIES

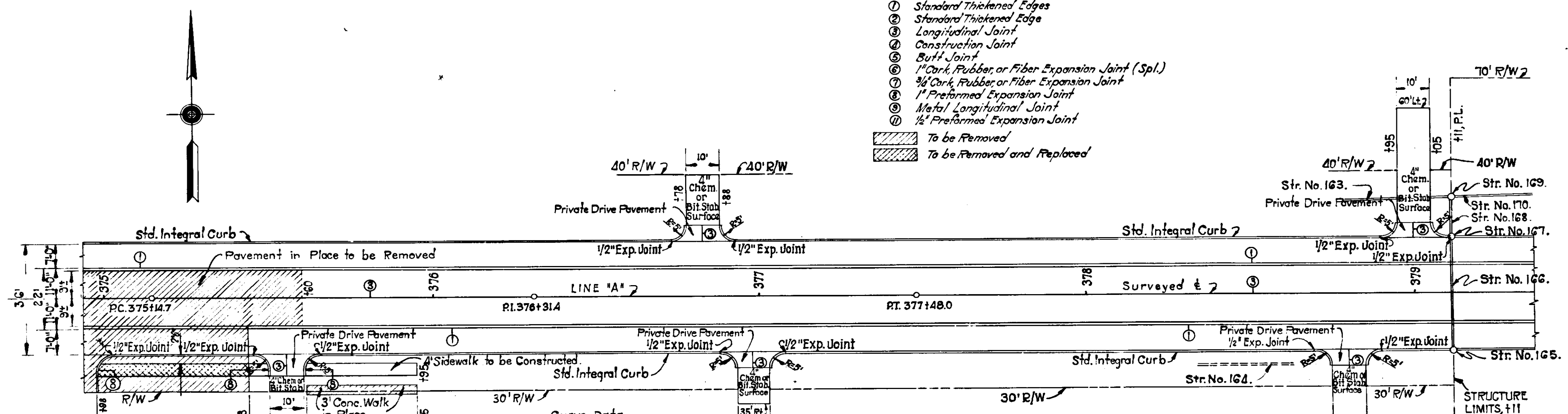
Concrete Pavement	1348 Sq. Yds.
Pavement Removal	260 Sq. Yds.
Sidewalk	134 Sq. Yds.
Sidewalk Removal	142 Sq. Yds.
6" Bituminous Stabilized Surface	236 Sq. Yds.
Private Drive Pavement	333 Lin. Ft.
Sp. Contraction Joint (Without Dowels)	121 Lin. Ft.
Sp. Expansion Joints Type As D1 D2 D3 D4 or D5	133 Lin. Ft.
Sp. Expansion Joints 1" Cork, Rubber or Fiber	266 Lin. Ft.
Expansion Joints 1" Preformed	168 Lin. Ft.
Standard Integral Curb	1764 Lin. Ft.

- LEGEND**
- ① Standard Thickened Edges
 - ② Standard Thickened Edge
 - ③ Longitudinal Joint
 - ④ Construction Joint
 - ⑤ Butt Joint
 - ⑥ 1" Cork, Rubber or Fiber Expansion Joint (Sp.)
 - ⑦ 1" Cork, Rubber or Fiber Expansion Joint
 - ⑧ 1" Preformed Expansion Joint
 - ⑨ Metal Longitudinal Joint
 - ⑩ 1/4" Preformed Expansion Joint
- ▨ To be Removed
▩ To be Removed and Replaced

INTERSECTION DETAILS
Scale: 1" = 20'-0"

C.E.T. 7-14-41

- LEGEND**
- ① Standard Thickened Edge
 - ② Standard Thickened Edge
 - ③ Longitudinal Joint
 - ④ Construction Joint
 - ⑤ Butt Joint
 - ⑥ 1" Cork, Rubber, or Fiber Expansion Joint (Spl.)
 - ⑦ 3/4" Cork, Rubber, or Fiber Expansion Joint
 - ⑧ 1" Preformed Expansion Joint
 - ⑨ Metal Longitudinal Joint
 - ⑩ 1/2" Preformed Expansion Joint
 - ▨ To be Removed
 - ▩ To be Removed and Replaced

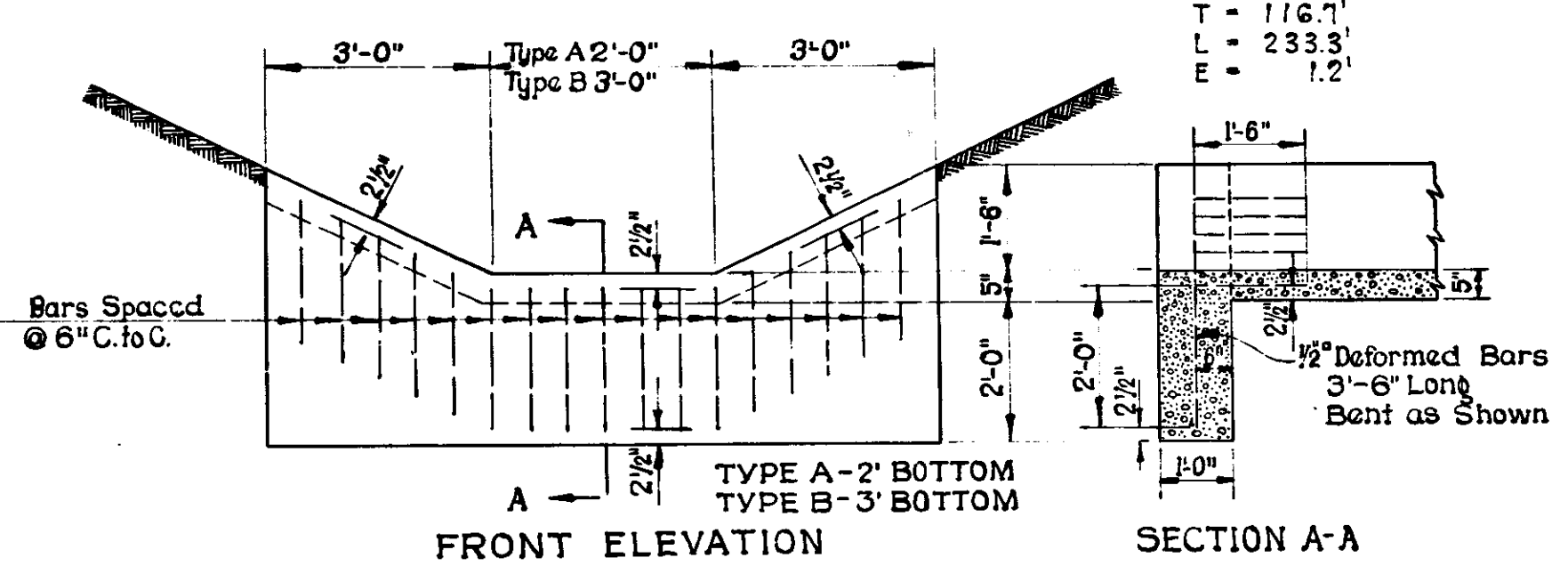


FOR CONTINUATION OF DETAIL SEE BELOW.

**DETAIL OF PRIVATE DRIVE INTERSECTIONS & TRANSITION
STA. 375+00 TO STA. 382+17.**

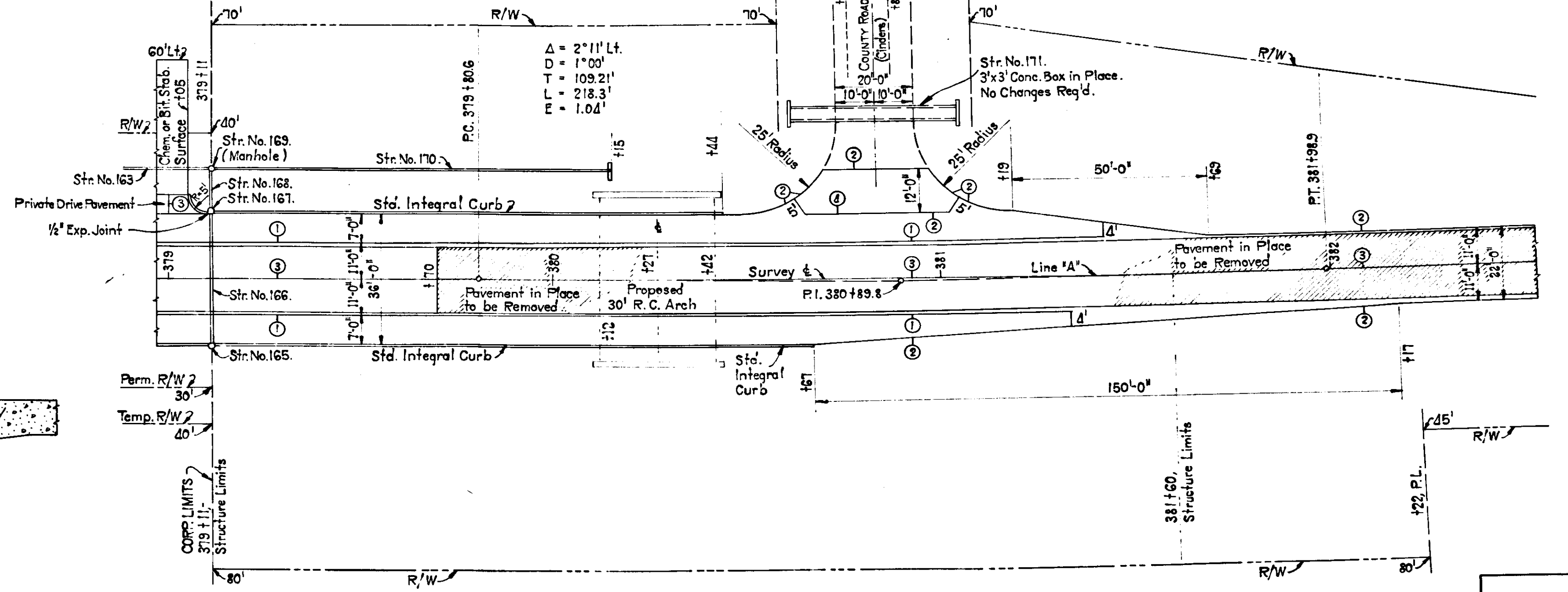
ADDITIONAL QUANTITIES
STA. 375+00 TO STA. 379+11 & STA. 381+60 TO STA. 382+17.

Concrete Pavement	649	Sq. Yds.
Pavement Removal	98	Sq. Yds.
Sidewalk	37	Sq. Yds.
Private Drive Pavement	41	Sq. Yds.
4" Bituminous or Chemical Stabilized Surface	117	Sq. Yds.
Sp. Contraction Joint (Without Dowels)	259	Lin. Ft.
Sp. Expansion Joint Types As, D1, D2, D3, D4, or D5	28	Lin. Ft.
Expansion Joints 1" Preformed	8	Lin. Ft.
Standard Integral Curb	722	Lin. Ft.
Sidewalk Removal	11	Sq. Yds.

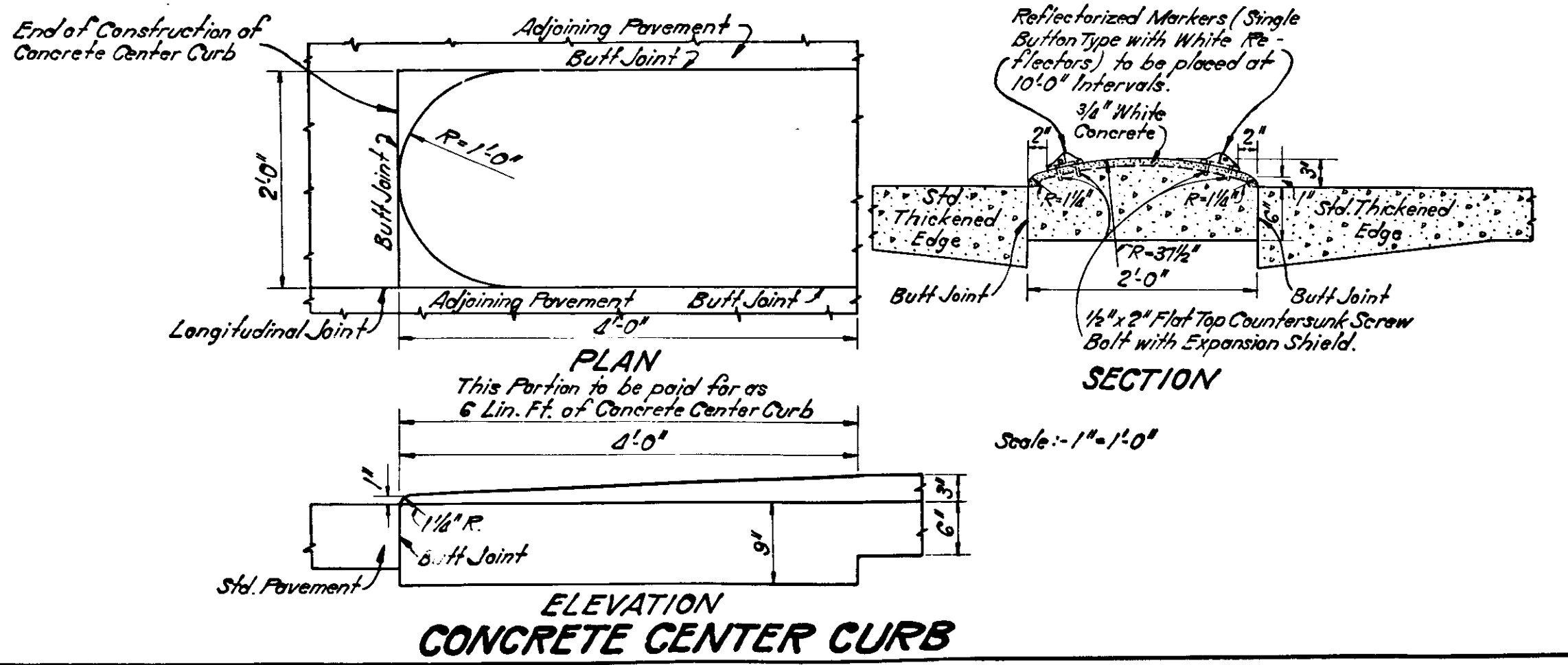


DETAIL OF SPECIAL PAVED SIDE DITCH
SCALE: 1/2" = 1'-0"

NOTE: Cutoff Wall to be constructed at the beginning and end of all special Paved Side Ditches. Each Cutoff Wall, including Reinforcing Steel, will be considered as equivalent to 5 Lin. Ft. of Special Paved Side Ditch and paid for accordingly. 1/2" Deformed Bars, bent and spaced as shown, are to be used in each Cutoff Wall.



INTERSECTION DETAILS
Scale: 1" = 20'-0"
Except as shown.



ESTIMATE OF QUANTITIES

BRIDGE AND CULVERT DATA

705 1941 32 249
SECTION - X

ALTERNATES		FOR ADD. ASPHALT COURSE		FOR BITUMINOUS CONCRETE SURFACE		ALTERNATES	
NUMBER	DESCRIPTION	CONCRETE	ASPHALT	CONCRETE	ASPHALT	CONCRETE	ASPHALT
		CRARSE AGGREGATE					
		SCREENING					
		3/8 GRADE FINE AGGREGATE					
		AGGREGATE					
		PORTLAND CEMENT					
		WATER					
		ENHANCED MIXTURE					
		ALTERNATE CALCIUM CHLORIDE					
		CONCRETE					
		REINFORCING STEEL					
		PRECAST CURB					
		PRECAST BOX					

SURFACE COURSES	CONCRETE	ASPHALT	CURB	DITCH	CATCH BASINS				INLETS				
					TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	
CONCRETE PAVEMENT													
ASPHALT PAVEMENT													
CONCRETE CURB													
CONCRETE DITCH													
ASPHALT CURB													
ASPHALT DITCH													

TYPE OF PAVEMENT	EXAVATION	MATERIAL	DEPTH	WIDTH	LENGTH	VOLUME	WEIGHT	COST	SURCHARGE	TOTAL	FINISHING	TOTAL	COST

STATION	LOCATION	DESCRIPTION	SIZE	KIND	LENGTH	HEIGHT	FLOW LINE	UP	DOWN	UP	DOWN	UP	DOWN	UP	DOWN	STELL	REMARKS
180.416+10R	15'	Drain Tile, V.C. Tile or Cement Conc. Tile			70'											13,778	Remove 60' of 15" Farm Tile in Place One Straight Hdwl. Req'd. Connect to 15" Farm Tile in Place Remove Conc. Box Culv. in Place Construct Inlet & Outlet Ditches
181.416+80	8'x4'	Std. R.C. Box Culv.			30'	51'	W&W 560.4	559.6	64.51								Remove F. Tile in Place
182.423+55R	12"	C.M. Pipe			20'												Remove Farm Tile in Place
183.424+46L	12"	C.M. Pipe			20'												Remove Farm Tile in Place
184.424+50R	12"	C.M. Pipe			20'												Remove 25' of 4" F. Tile in Place One Straight Headwall Req'd.
185.429+58L	12"	C.M. Pipe			20'												Remove C.M. Pipe in Place
186.429+78R	4'	Farm Tile in Place			46'		W&W 571.8	570.9	32.03							7,683	Remove Conc. Arch in Place Construct Inlet & Outlet Ditches
187.430+10R	24"	C.M. Pipe			65'												Remove V.C. Pipe in Place
188.432+40	4'x3'	Std. R.C. Box Culv.			20'												Remove C.I. Pipe in Place
189.434+09L	15"	C.M. Pipe			20'												Remove C.I. Pipe in Place
190.436+20L	15"	C.M. Pipe			20'												Remove 10' of 6" Farm Tile in Place One Straight Hdwl. Req'd.
191.438+60R	12"	C.M. Pipe			20'												Remove C.I. Pipe in Place
192.438+99R	12"	C.M. Pipe			20'												Remove C.I. Pipe in Place
193.440+23L	12"	C.M. Pipe			20'												Remove 10' of 6" Farm Tile in Place One Straight Hdwl. Req'd.
194.441+55L	6"	Farm Tile in Place			20'												Remove C.I. Pipe in Place
195.441+65L	12"	C.M. Pipe			20'												Remove Conc. Box in Place Construct Inlet & Outlet Ditches
196.445+57L	12"	C.M. Pipe			20'												Extend 4x2' Conc. Box Culv. in Place 11' on Lt. and 11' on Rt.
197.445+59R	12"	C.M. Pipe			20'		W&W 586.0	585.8	19.80								Clear Structure in Place Construct Inlet and Outlet Ditches
198.449+77	4'x2'	Std. R.C. Box Culv.			47'		W&W		4.67								Connect to 8" V.C. Pipe in Place Remove 20' of 8" V.C. Pipe in Place
199.452+46	4'x2'	Std. R.C. Box Culv.			22'												One Straight Headwall Req'd.
200.456+56R	8"	Sewer Pipe			8'												Remove V.C. Pipe in Place
201.457+37L	12"	C.M. Pipe			20'												Remove V.C. Pipe in Place
202.458+33L	12"	C.M. Pipe			20'												Remove V.C. Pipe in Place
203.458+55R	12"	C.M. Pipe			20'												Remove V.C. Pipe in Place
204.464+16L	12"	C.M. Pipe			20'												Remove V.C. Pipe in Place
205.464+17R	12"	C.M. Pipe			20'												Remove V.C. Pipe in Place
206.468+10R	15"	C.M. Pipe			20'												Remove V.C. Pipe in Place
207.470+01	3'x3'	Std. R.C. Box Culv.			30'	63'	W&W 579.4	577.5	29.29								Remove Conc. Box in Place
208.471+65	30"	R.C. or C.I. Pipe			60'		579.9	579.1	4.31								Straight Headwall Req'd. on Lt. L' Headwall Req'd. on Rt.
209.471+98R	18"	Placing R.C. Pipe			62'												Remove Conc. Box in Place Connect to Str's No. 209 and 215
210.472+50R	6"	V.C. Pipe in Place			4'												Remove Conc. Box in Place Connect thru L' Hdwl. of Str. No. 208
211.472+60L	12"	Sewer Pipe			4'												1-Straight Headwall Req'd. Remove 10' of 8" V.C. Pipe in Place
212.472+60L	18"	Std. Pipe Catch Basin															Connect to Str. No. 211
213.472+65R	6"	V.C. Pipe in Place															1-Straight Headwall Req'd. Remove 25' of 2" V.C. Pipe in Place
214.473+00R	12"	Placing R.C. Pipe			44'												Connect to Str's No. 208, 211, 216 and 218
215.473+50R	12"	R.C., V.C., C.I. or Conc. Pipe			304'												Remove Farm Tiles in Place
215.473+50R	12"	2-12" on 12" T Connections			4'												Connect to Str's No. 215 and 217
215.473+35L	12"	Sewer Pipe			4'												Connect to Str. No. 216
217.473+35L	18"	Std. Pipe Catch Basin															Connect to Str. No. 215
218.474+70L	18"	Std. Pipe Catch Basin															Connect to Str. No. 220
219.475+55R	18"	Std. Pipe Catch Basin															Connect to Str's No. 219 and 222 Remove V.C. Pipe in Place
220.475+75R	12"	R.C., V.C., C.I. or Conc. Pipe			158'												One Straight Headwall Req'd.
221.476+60R	18"	Std. Pipe Catch Basin															Connect to Str. No. 222
222.476+60R	10"	Sewer Pipe			4'												Connect to Str's No. 220 and 221
223.477+18	8'x8'	Std. R.C. Box Culv.			37'		W&W 571.6	569.7	144.37								Remove Structure in Place
224.477+98L	18"	Placing R.C. Pipe			32'												Remove V.C. Pipe in Place
225.480+90L	15"	C.M. Pipe			20'												Remove V.C. Pipe in Place
226.482+25L	15"	C.M. Pipe			46'												Remove C.M. Pipe in Place
227.485+32L	15"	C.M. Pipe			20'												Remove 20' of 8" V.C. Pipe in Place 1-Straight Headwall Req'd.
228.485+60L	6"	V.C. Pipe in Place			20'												Remove V.C. Pipe in Place
229.486+90L	12"	C.M. Pipe			20'												Remove V.C. Pipe in Place
230.488+55L	12"	C.M. Pipe			20'												Remove V.C. Pipe in Place
231.488+61R	12"	C.M. Pipe			22'		W&W		4.19								Extend 2x2' R.C. Box Culv. in Place 11' on Lt. and 11' on Rt.
232.495+15	3'x3'	Spcl. R.C. Box Culv.															Construct Inlet and Outlet Ditches
233.502+55L	12"	C.M. Pipe			20'												Remove V.C. Pipe in Place Construct Inlet Ditch
234.504+74	24"	R.C., V.C., C.I. or Conc. Pipe			50'		605.5	604.4	3.75								Remove V.C. Pipe in Place
235.507+31L	12"	C.M. Pipe			20'												Remove V.C. Pipe in Place
236.509+55L	12"	C.M. Pipe			20'												Remove V.C. Pipe in Place
237.511+68L	12"	C.M. Pipe			20'												Remove C.M. Pipe in Place
238.511+68R	12"	C.M. Pipe			20'												Remove V.C. Pipe in Place
239.520+33R	3'x3'	Std. R.C. Box Culv.			20'		W&W		11.60								Remove V.C. Pipe in Place
240.520+38L	15"	C.M. Pipe			20'												Remove V.C. Pipe in Place
241.520+76L	15"	C.M. Pipe			20'		W&W 585.2	585.0	51.67								Remove Conc. Box in Place Construct Inlet Ditch
243.526+62	8'x4'	Std. R.C. Box Culv.			47'												Remove V.C. Pipe in Place
244.531+34L	15"	C.M. Pipe			20'												Remove V.C. Pipe in Place
245.534+85L	12"	C.M. Pipe			20'												Remove V.C. Pipe in Place
246.537+63L	15"	C.M. Pipe			20'												Extend 24" V.C. Pipe in Place 40' Lt. & 40' Rt. L' Headwalls Req'd.
247.537+69	24"	V.C. Pipe			80'												Extend 18" C.M. Pipe in Place 44' Lt. & 44' Rt. L' Headwalls Req'd.
248.537+83L	15"	C.M. Pipe			88'												Remove V.C. Pipe in Place Lt. of Sta. 538+21
249.538+02	18"	C.M. Pipe			20'												
250.538+70R	12"	C.M. Pipe			20'												
251.538+70L	12"	C.M. Pipe			20'												

FOR ESTIMATE OF QUANTITIES SEE SHEET NO. 30

