

INDEX

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47	ESTIMATE OF QUANTITIES		
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67	MISCELLANEOUS STANDARDS, SHEET "MT"		
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74	BRIDGE STANDARD, SHEET "GRA"	11-3-61	TR 5-25-61
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77	STD. DETOUR SIGNS, SHEET 2		TR 5-8-63
78	STD. DETOUR SIGNS, SHEET 3		TR 5-8-63
79	STD. DETOUR SIGNS, SHEET 3A		TR 5-8-63
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81-86	CROSS SECTIONS		

STATE OF INDIANA  
STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED  
**STATE HIGHWAY**  
F-PROJECT NO. 875 (6) P.E. & R/W  
F-PROJECT NO. 875 (9) CONSTR. & UTIL. ADJ.

BEGINNING AT A POINT APPROX. 1,934 FEET SOUTH OF THE NORTH LINE OF SECTION 18, T-27-N, R-4-E AND APPROX. 92 FEET EAST OF THE WEST LINE OF SECTION 18, T-27-N, R-4-E AND EXTENDING IN A NORTHERLY DIRECTION FOR A DISTANCE OF APPROX. 26,700 FEET TO A POINT ON U.S.R. NO. 31 APPROX. 3,471 FEET NORTH OF THE SOUTH LINE OF SECTION 24, T-28-N, R-3-E, ALL IN MIAMI COUNTY.

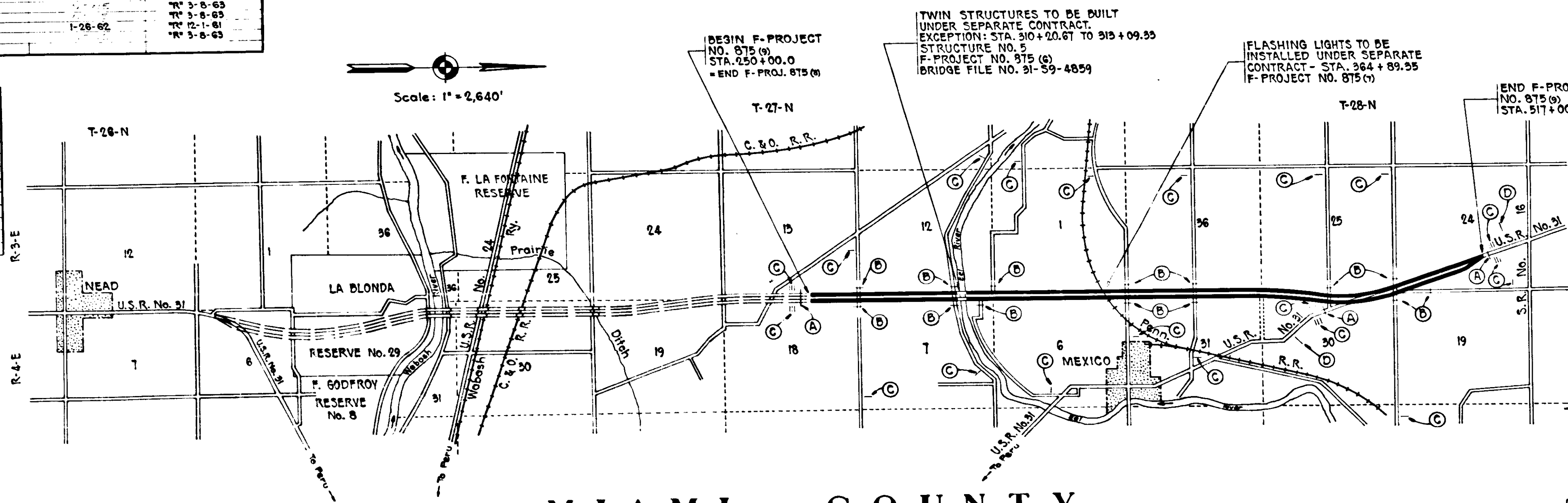
GROSS LENGTH: 5.056 MI.  
NET LENGTH: 5.002 MI.  
SCALES:  
PLAN (LONG: 1"=100' PROFILE (HORIZ.: 1"=100'  
TRANS.: 1"=100' VERT.: 1"=10' MAX. GRADE 3.4722%

FEDERAL ROAD DISTRICT NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	875 (6)	1961	1	166

DESIGN DATA	
A.D.T. (1960)	5500 V.P.D.
A.D.T. (1980) PROJECTED	8750 V.P.D.
D.H.V.	800 V.P.H.
DIRECTIONAL DISTRIBUTION	81%
TRUCKS	20%
DESIGN SPEED	70 M.P.H.
ACCESS CONTROL	PARTIAL

R/W FOR THIS PROJECT INCLUDES R/W FOR SEPARATE CONTRACT STRUCTURE:- F-PROJ. NO. 875 (6)

REVISIONS		
SHEET NO.	DATE	REVISED
24 & 25	7-24-62	R/W and Prop. Lines
24	12-4-62	Temp. R/W
18	12-19-62	Topo.
3, 4 & 5	9-11-64	Shoulders
1	1-16-63	Access Points



LEGEND

- (A) BARRICADE TYPE "A"
- (B) BARRICADE TYPE "B"
- (C) TYPICAL SIGN STANDARDS
- (D) CONSTRUCTION IDENTIFICATION SIGN

APPROVED - 10-63  
*F. J. Callender*  
CHIEF ENGINEER - INDIANA STATE HIGHWAY COMMISSION

MIAMI COUNTY

STATE HIGHWAY DEPARTMENT OF INDIANA  
STANDARD SPECIFICATIONS DATED 1960  
TO BE USED WITH THESE PLANS.

RECOMMENDED FOR APPROVAL 1-8-63  
*W. H. Behrens*  
ENGINEER - INDIANA STATE HIGHWAY COMMISSION

BUREAU OF PUBLIC ROADS  
DEPARTMENT OF COMMERCE

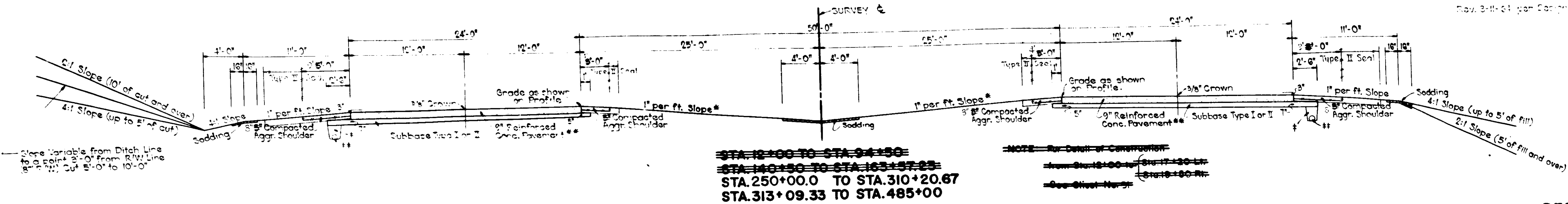
APPROVED

DIVISION ENGINEER DATE

ROAD FILE :-

FEDERAL ROAD DIVISION NO.	STATE	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND	8750	1961	3

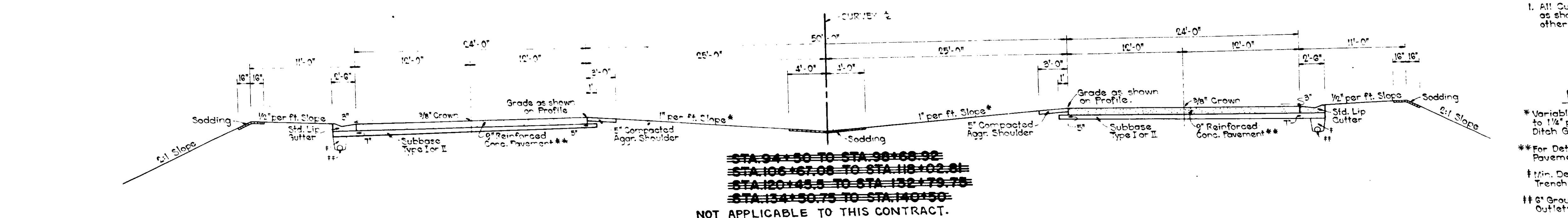
Nov. 24-61 from Design Dept.



STA. 250+00.0 TO STA. 310+20.67  
 STA. 313+09.33 TO STA. 485+00

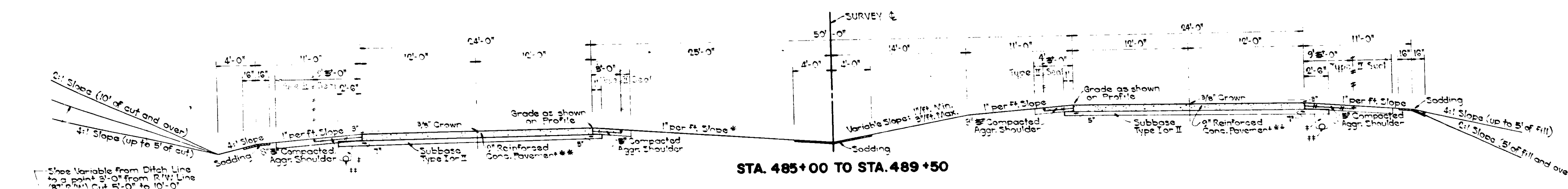
NOTE - For Details of Construction  
 - See Sheet No. 2  
 - See Sheet No. 3

**GENERAL NOTES**  
 1. All Curves shall be Super-elevated as shown on Sheet No. 88 unless otherwise indicated on plans.

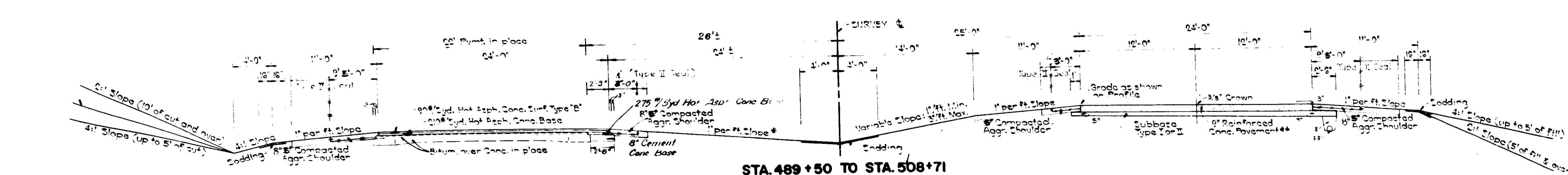


STA. 313+09.33 TO STA. 485+00  
 NOT APPLICABLE TO THIS CONTRACT.

**LEGEND**  
 \* Variable Slope from 3/4\"/>



STA. 485+00 TO STA. 489+50



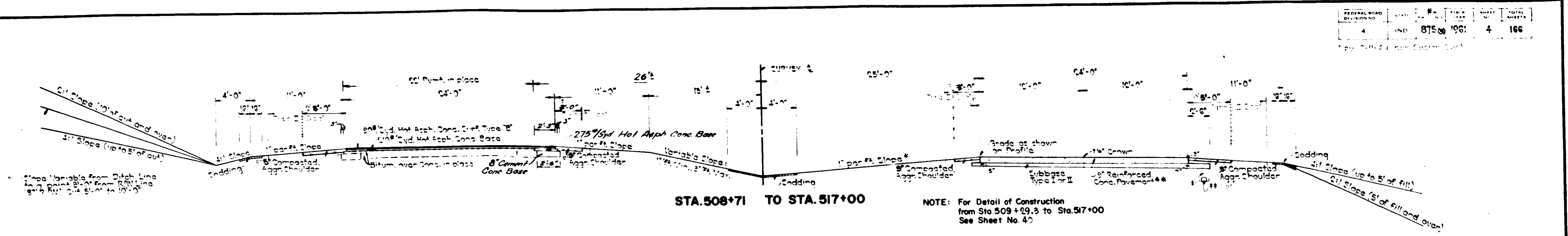
STA. 489+50 TO STA. 508+71

# TYPICAL CROSS SECTIONS

SCALE: 3/8\"/>

APPROVED *W. H. Blum*  
 CHIEF ENGINEER INDIANA STATE HIGHWAY COMMISSION

RECOMMENDED FOR APPROVAL *W. H. Blum*  
 CHIEF ENGINEER INDIANA STATE HIGHWAY COMMISSION

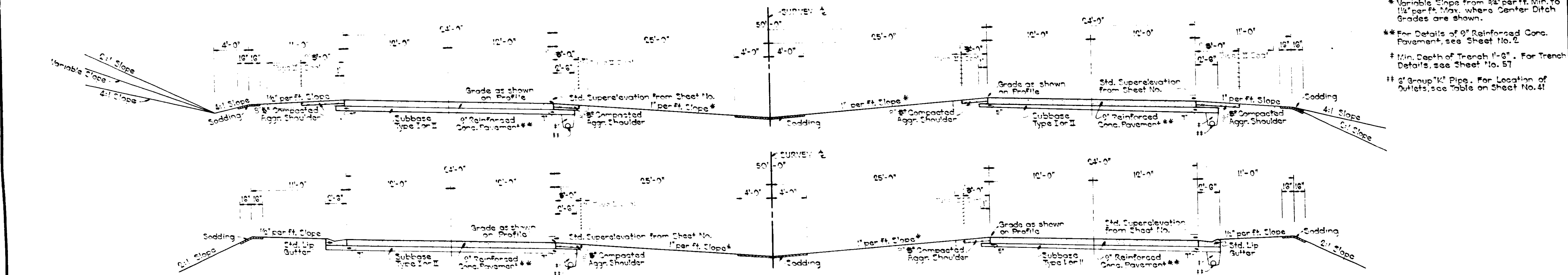


STA. 508+71 TO STA. 517+00

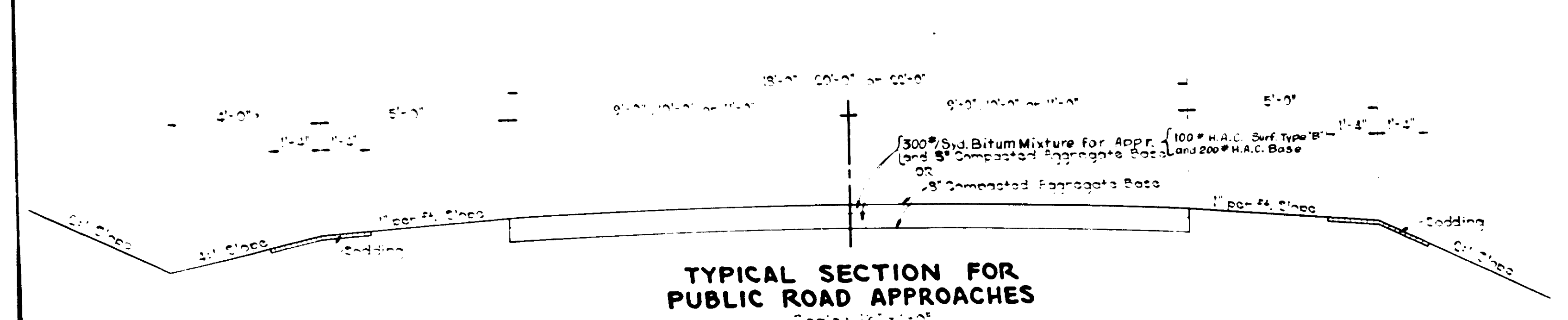
NOTE: For Detail of Construction from Sta. 509+29.3 to Sta. 517+00 See Sheet No. 40

**LEGEND**

- \* Variable Slopes from 2 1/2" per ft. Min. to 1 1/2" per ft. Max. where Center Ditch Grades are shown.
- \*\* For Details of 9" Reinforced Conc. Pavement, see Sheet No. 2
- # Min. Depth of Trench 1'-6". For Trench Details, see Sheet No. 51
- \*\* 6" Group 1K1 Pipe. For Location of Outlets, see Table on Sheet No. 41

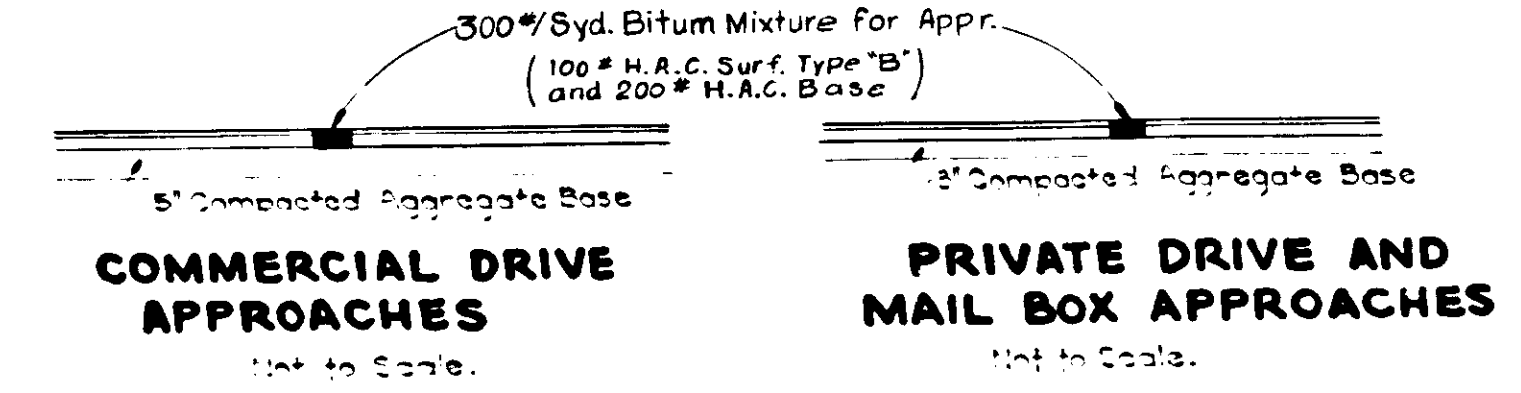


**TYPICAL SECTIONS SHOWING SUPERELEVATED CURVES TO THE RT. OF MORE THAN 0.15' (CURVES TO THE LT. REVERSED)**



**TYPICAL SECTION FOR PUBLIC ROAD APPROACHES**

NOTE: For particular information on each approach, see Details on Sheets No. 28, 29 & 30 and Table on Sheet No. 41

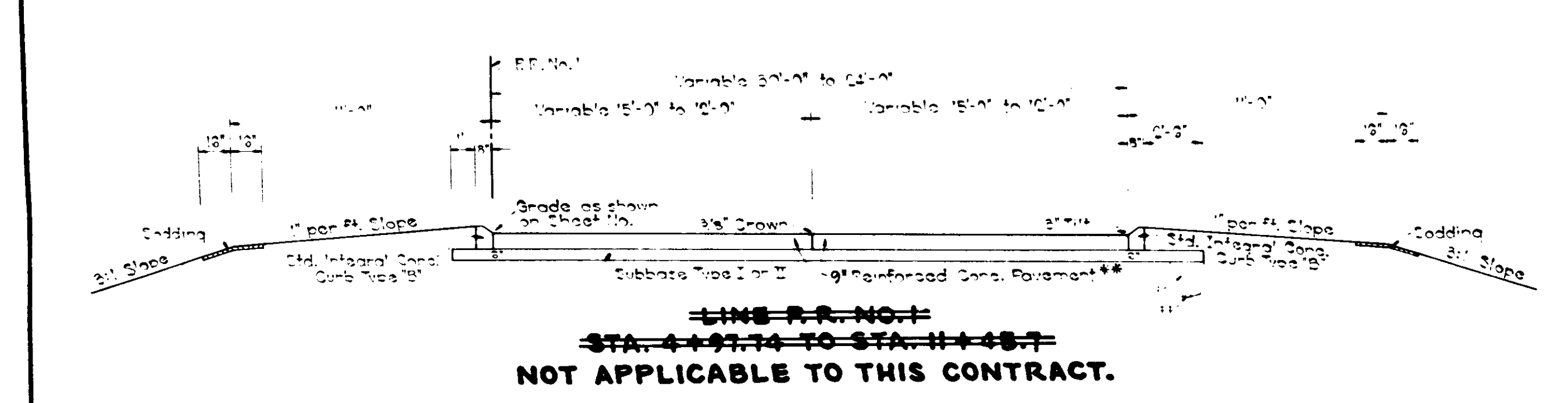
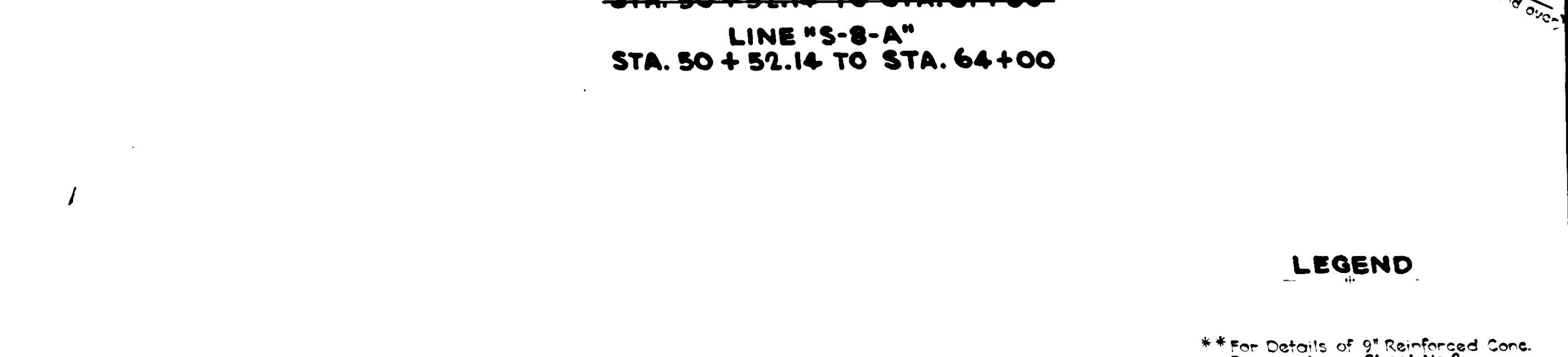
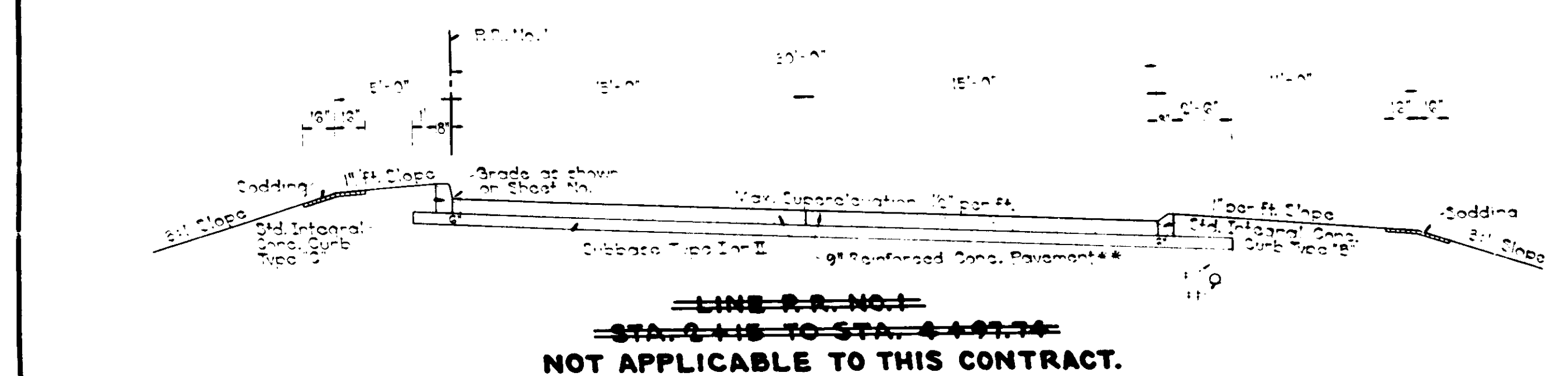
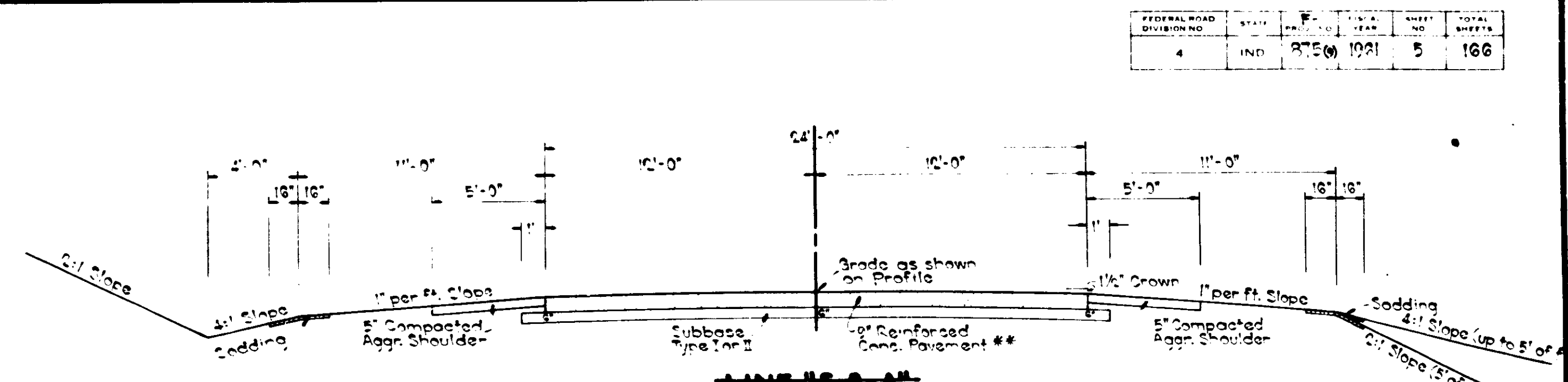
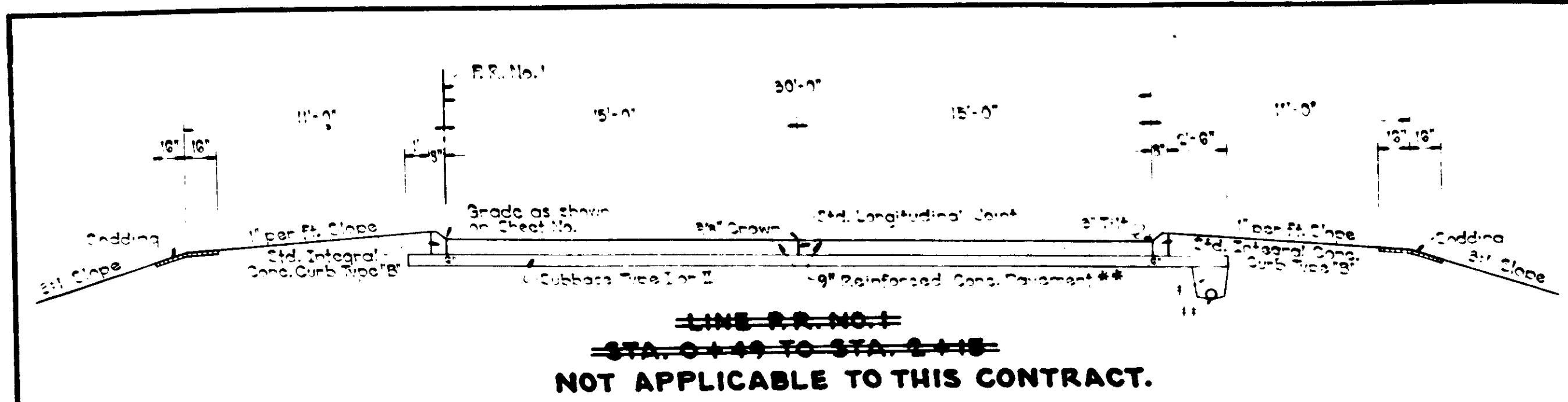


**TYPICAL CROSS SECTIONS**

SCALE: 3/4" = 1'-0" (Unless Otherwise Shown)

APPROVED: *W. H. Behm*  
 RECOMMENDED FOR APPROVAL: 1-6-63  
*W. H. Behm*

PROFESSOR	DATE	NO.	TOTAL SHEETS
4	IND	875 (102)	5 166



**LEGEND**

- \*\* For Details of 9" Reinforced Conc. Pavement, see Sheet No. 2
- ‡ Min. Depth of Trench "6". For Trench Details, see Sheet No. 51
- ‡‡ 2" Group "M" Pipe. For Location of Outlets, see Table on Sheet No. 41

**TYPICAL CROSS SECTIONS**

SCALE: 1" = 1'-0"

APPROVED *[Signature]*  
REGISTERED PROFESSIONAL ENGINEER - INDIANA STATE HIGHWAY COMMISSION

RECOMMENDED FOR APPROVAL 1-8-63  
*[Signature]*  
ENGINEER OF ROADWORK - INDIANA STATE HIGHWAY COMMISSION

**PUBLIC UTILITIES**

TELEPHONE POLES - Bell Telephone Company  
20 N. Miami, Peru, Indiana

4" OIL LINE - STA. 52+38  
Indiana Farm Bureau Cooperative Association Inc.  
Mt. Vernon, Indiana - Phone PO-3-2841

10" GAS LINE - STA. 162+80 Line "A"  
- STA. 62+02 Line "B-S-A"  
- Along Rt. Line "S-A-A"

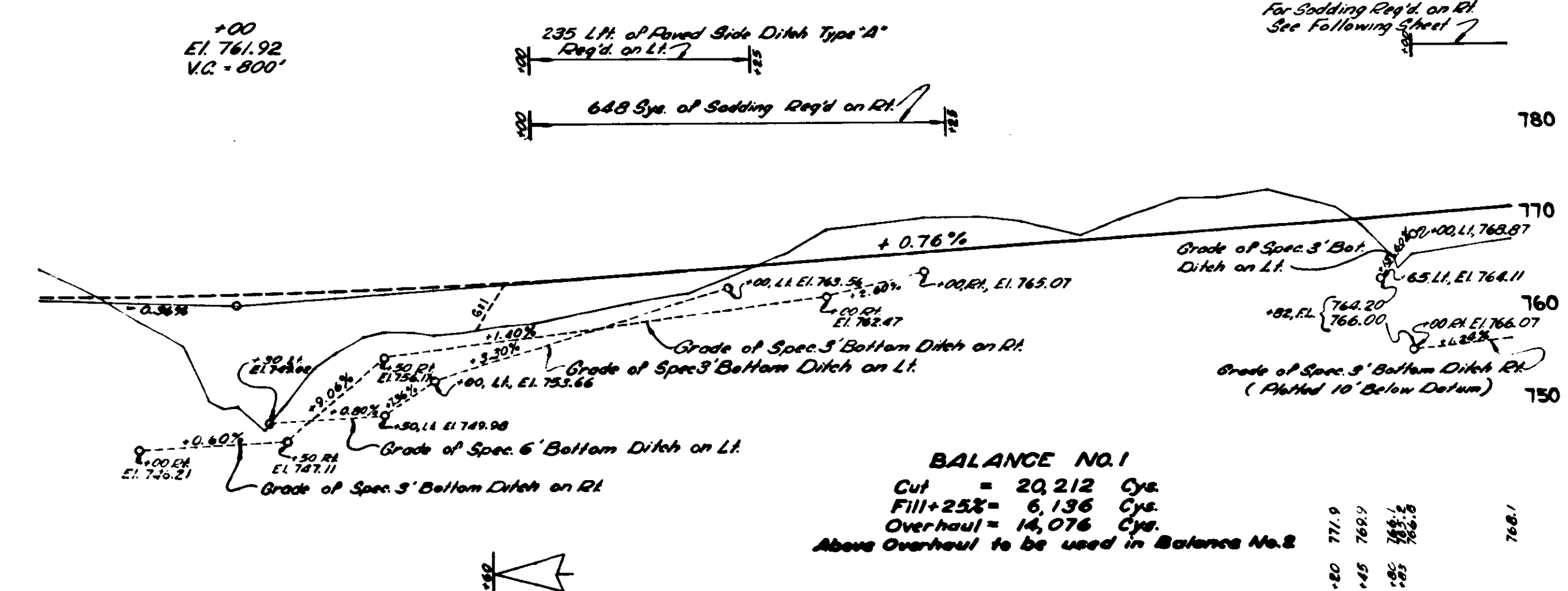
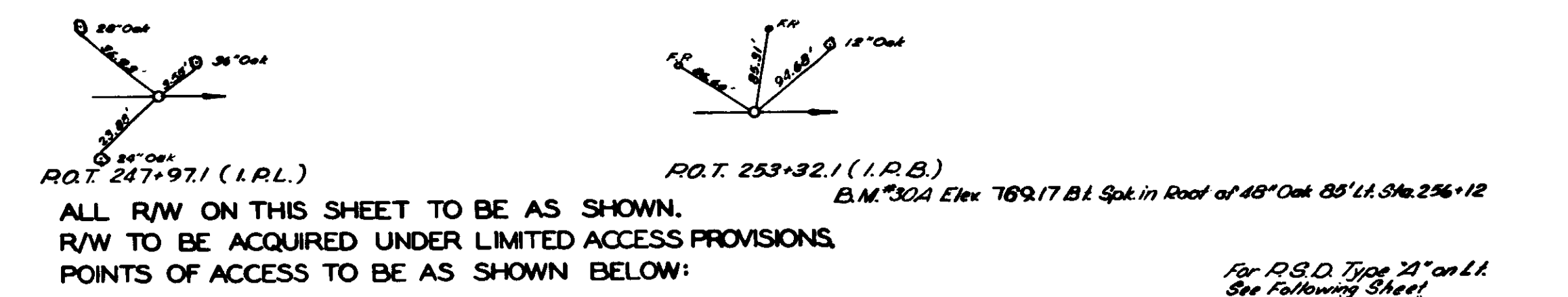
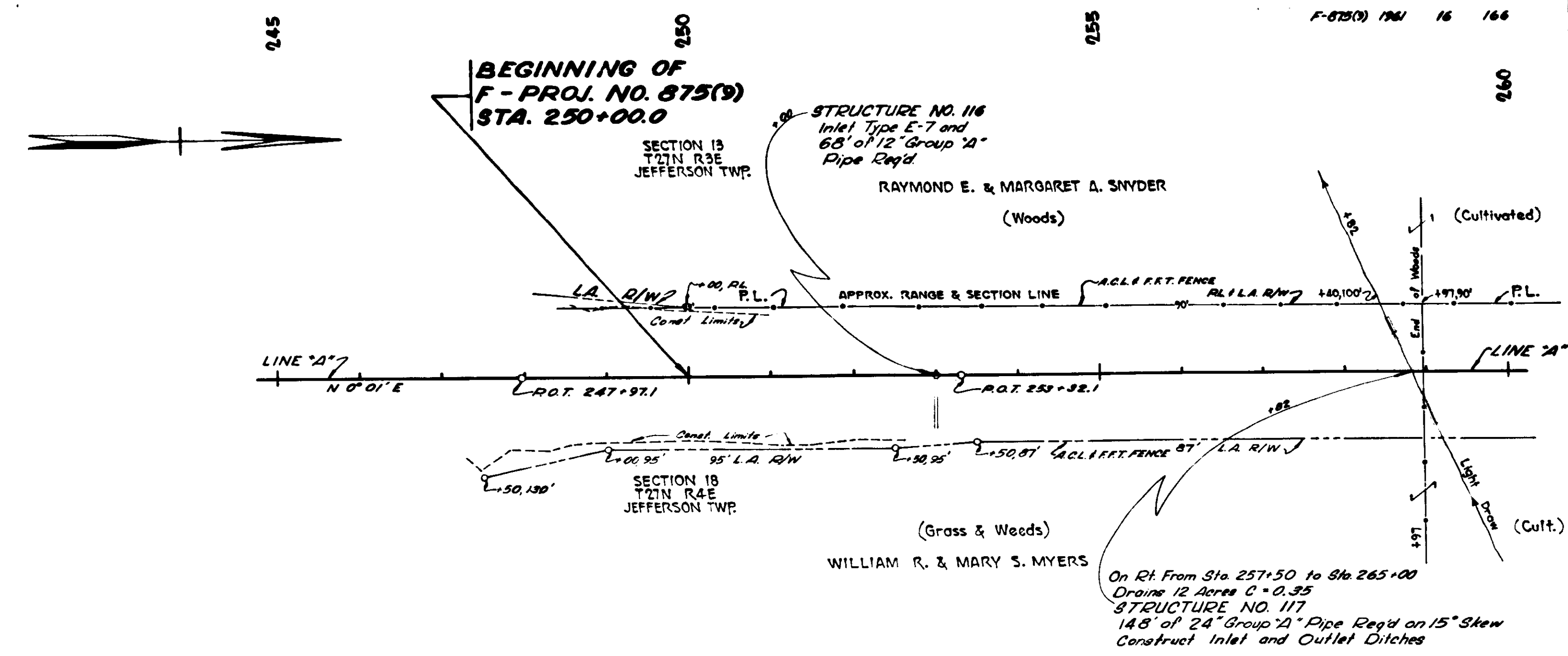
Northern Indiana Public Service Company  
68 N. Broadway, Peru, Indiana

TELEPHONE LINES - United Telephone Company  
Denver, Indiana  
- Indiana Bell Telephone Company  
20 N. Miami, Peru, Indiana  
- Peru Utilities, Peru, Indiana  
- Miami - Cass County R.E.M.C.  
916 W. Main St., Peru, Indiana  
- Public Service Company of Indiana  
W. Markland Ave., Kokomo, Indiana  
- Northern Indiana Public Service Company  
68 N. Broadway, Peru, Indiana

POWER LINES

**GENERAL NOTES**

STANDARD CROSS SECTION E-11-1R REVISED 8-11-61 AS SHOWN ON SHEET NO. 2 TO BE USED ON THIS PROJECT.  
TYPICAL CROSS SECTIONS AS SHOWN ON SHEETS NO. 3, 4, 15 TO BE USED ON THIS PROJECT.  
State Highway Commission of Indiana Standard Specifications dated 1960 to be used with these plans.  
Standards under dates as listed in index on Title Sheet to be used on this project.  
Grade line as shown on profile represents top of finished surface of Median edge of pavement.  
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.  
All shoulders, cut and fill slopes shall be plain or mulched seeded except where sodding is specified.  
Shoulders are to be sodded as shown on Miscellaneous Standard Sheet "B".  
Sodding shall be placed along paved side ditch as shown on Miscellaneous Sheet "E".  
Excavation quantities as shown on plan and profile sheets include estimated excavation for private and public approaches. (See Table on Sheet No. 41.)  
Quantities for Pipe Culvert Headwalls are based on using Std. Headwalls for retaining 2:1 slopes and Private Drive Headwalls for retaining 4:1 slopes.  
For kinds of Pipe permitted for each size and classification as shown in Structure Notes, See Miscellaneous Standard Sheet "D".  
County Roads to be turned back to County beyond R/W markers as shown on plans.  
All limited access R/W to be fenced with Chain Link Type Fence (C.L.T. Fence), or Farm Field Type Fence (F.F.T. Fence) as specified in the plans.  
Curves of 0.45' and over shall be Superlevated according to Sheet No. 68 unless otherwise noted on plans.



245.0	246.0	246.2	247.5	247.6	247.7	247.8	247.9	248.0	248.1	248.2	248.3	248.4	248.5	248.6	248.7	248.8	248.9	249.0	249.1	249.2	249.3	249.4	249.5	249.6	249.7	249.8	249.9	250.0	250.1	250.2	250.3	250.4	250.5	250.6	250.7	250.8	250.9	251.0	251.1	251.2	251.3	251.4	251.5	251.6	251.7	251.8	251.9	252.0	252.1	252.2	252.3	252.4	252.5	252.6	252.7	252.8	252.9	253.0	253.1	253.2	253.3	253.4	253.5	253.6	253.7	253.8	253.9	254.0	254.1	254.2	254.3	254.4	254.5	254.6	254.7	254.8	254.9	255.0	255.1	255.2	255.3	255.4	255.5	255.6	255.7	255.8	255.9	256.0	256.1	256.2	256.3	256.4	256.5	256.6	256.7	256.8	256.9	257.0	257.1	257.2	257.3	257.4	257.5	257.6	257.7	257.8	257.9	258.0	258.1	258.2	258.3	258.4	258.5	258.6	258.7	258.8	258.9	259.0	259.1	259.2	259.3	259.4	259.5	259.6	259.7	259.8	259.9	260.0
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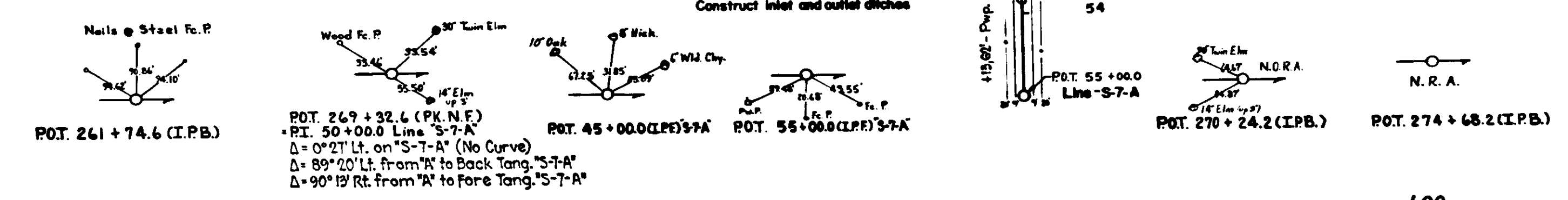
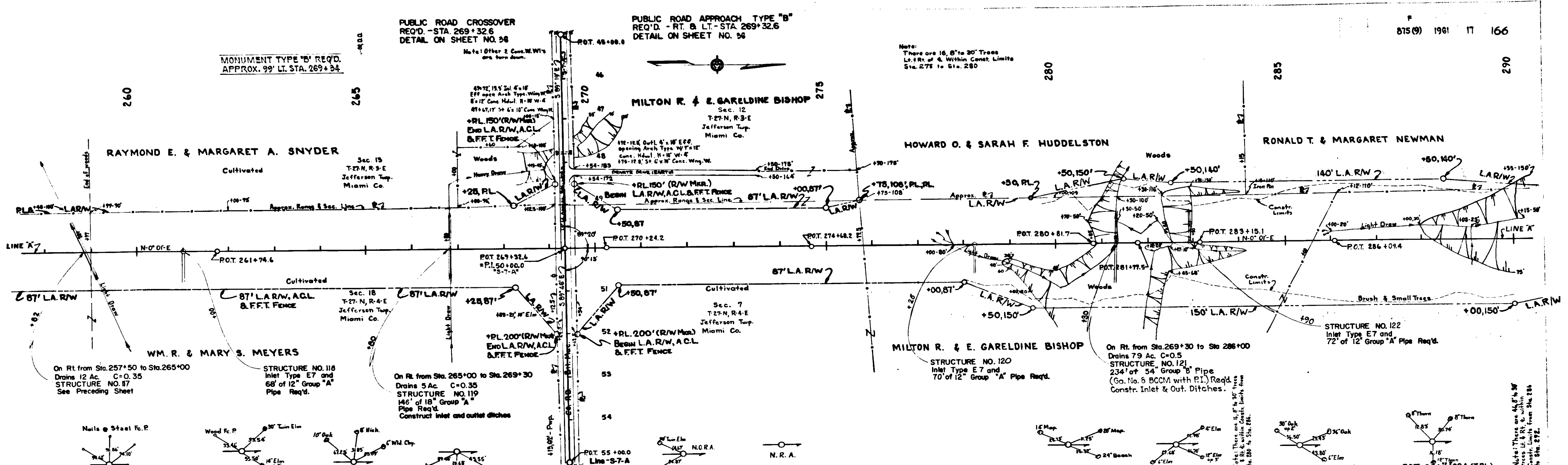
LINE 1-8-63

PUBLIC ROAD CROSSOVER  
REQ'D. - RT. B LT. STA. 269+32.6  
DETAIL ON SHEET NO. 36

PUBLIC ROAD APPROACH TYPE "B"  
REQ'D. - RT. B LT. STA. 269+32.6  
DETAIL ON SHEET NO. 36

MONUMENT TYPE "B" REQ'D.  
APPROX. 99' LT. STA. 269+34

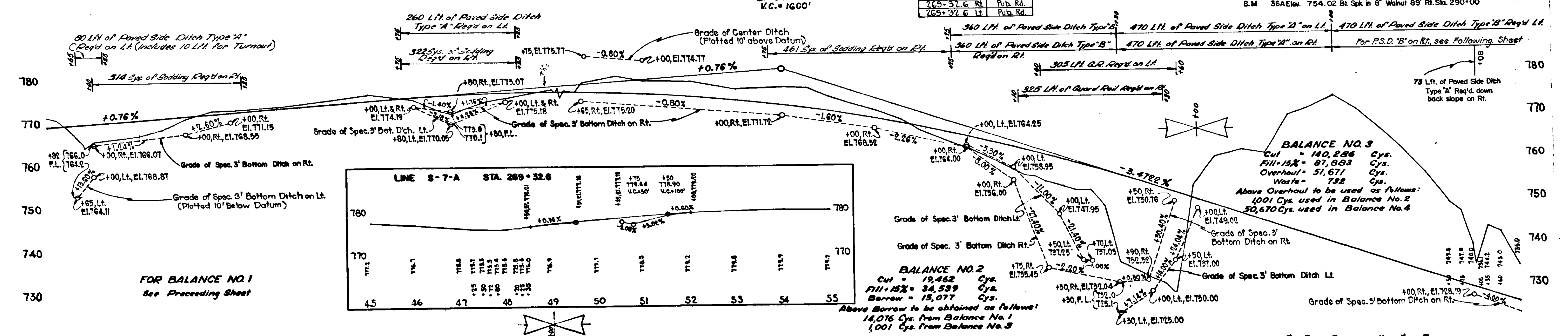
Note:  
There are 16, 8" to 30" Trees  
L.R. of & Within Canal Limits  
Sta. 275 to Sta. 280



ALL R/W ON THIS SHEET TO BE AS SHOWN.  
R/W TO BE ACQUIRED UNDER LIMITED ACCESS PROVISIONS.  
POINTS OF ACCESS TO BE AS SHOWN BELOW:

STATION	CLASS
265-32.6	Rt. Pub. Rd.
269-32.6	Lt. Pub. Rd.

B.M.	Elev.	Spk.	In	Spk.	Rt. Sta.
31A	781.27	Bt. Spk.	In 18"	Walnut	285' Rt. Sta. 269+54
32A	771.93	Bt. Spk.	In 27"	Oak	132' Rt. Sta. 275+51
33A	755.23	Bt. Spk.	In 20"	W. Oak	193' Rt. Sta. 279+20
34A	735.88	Bt. Spk.	In East Side	18" Walnut	92' Lt. Sta. 282+27
35A	767.11	Bt. Spk.	In W. Side	30" Oak	9' Rt. Sta. 283+87
36	751.85	Rd. Nail	In 6"	Elm	10' Rt. Sta. 288+47
36A	754.02	Bt. Spk.	In 8"	Walnut	89' Rt. Sta. 290+00

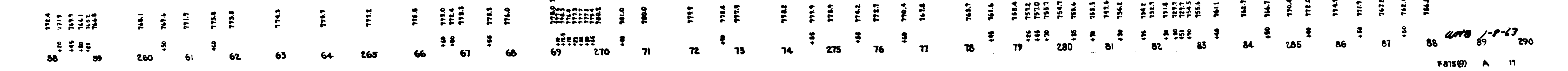


STA.	45	46	47	48	49	50	51	52	53	54	55
Elev.	771.7	771.7	771.7	771.7	771.7	771.7	771.7	771.7	771.7	771.7	771.7

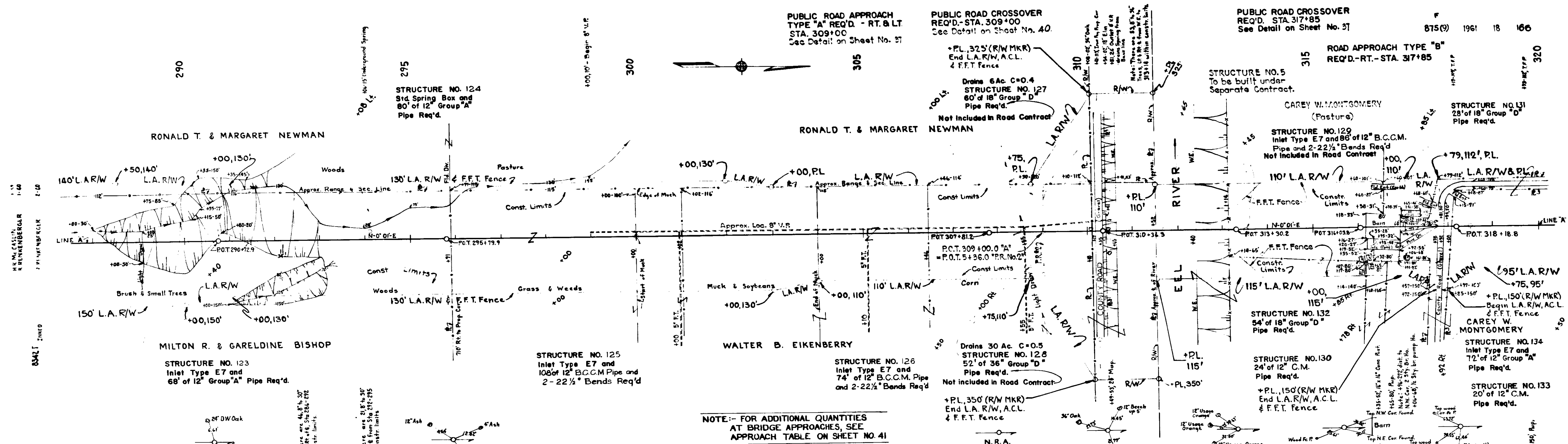
FOR BALANCE NO. 1  
See Preceding Sheet

BALANCE NO. 2  
Cut = 19,462 Cys.  
Fill = 34,539 Cys.  
Borrow = 15,077 Cys.

BALANCE NO. 3  
Cut = 140,286 Cys.  
Fill = 87,893 Cys.  
Overhaul = 51,671 Cys.  
Waste = 732 Cys.



4078 1-9-83

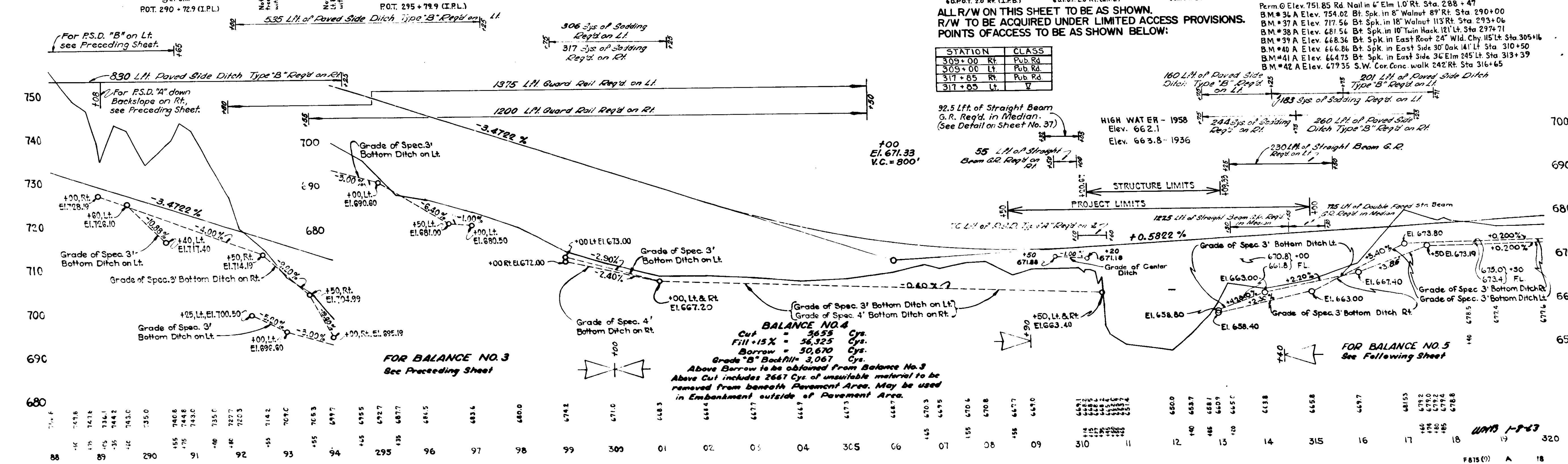


NOTE:-- FOR ADDITIONAL QUANTITIES AT BRIDGE APPROACHES, SEE APPROACH TABLE ON SHEET NO. 41

ALL R/W ON THIS SHEET TO BE AS SHOWN. R/W TO BE ACQUIRED UNDER LIMITED ACCESS PROVISIONS. POINTS OF ACCESS TO BE AS SHOWN BELOW:

STATION	CLASS
309+00	Rt. Pub. Rd.
309+00	Lt. Pub. Rd.
317+85	Rt. Pub. Rd.
317+85	Lt. Pub. Rd.

92.5 Lft. of Straight Beam G.R. Reg'd. in Median. (See Detail on Sheet No. 37)



**BALANCE NO. 4**  
 Cut = 3653 Cys.  
 Fill = 56,325 Cys.  
 Borrow = 50,670 Cys.  
 Grade "B" Backfill = 3,067 Cys.  
 Above Borrow to be obtained from Balance No. 3. Above Cut includes 2667 Cys. of unsuitable material to be removed from beneath Pavement Area. May be used in Embankment outside of Pavement Area.

FOR BALANCE NO. 3 See Preceding Sheet

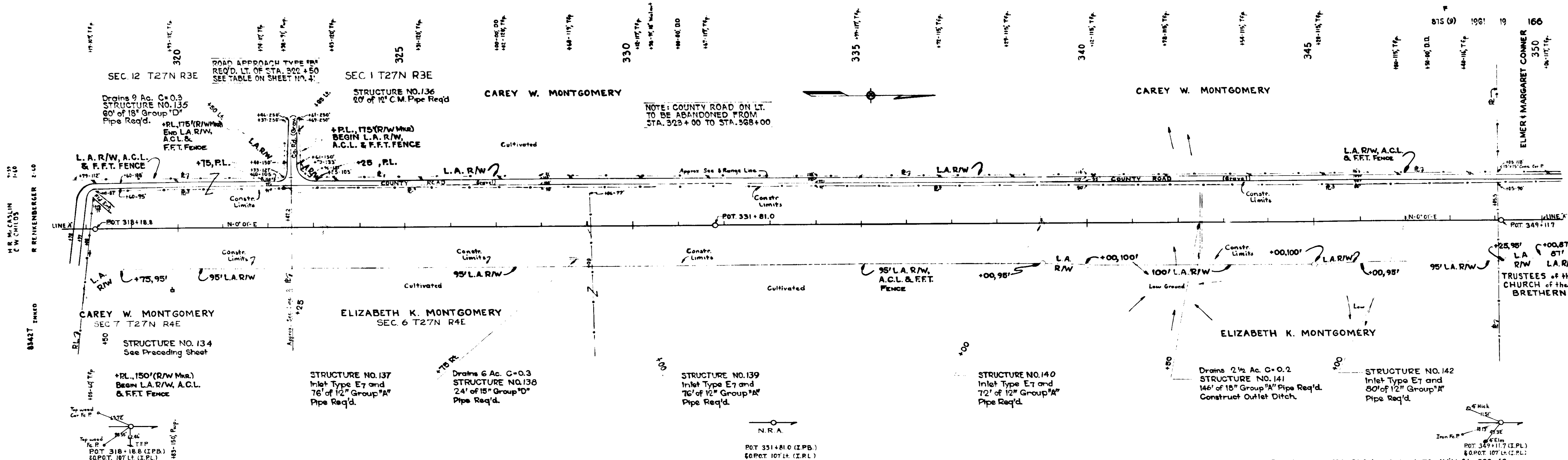
FOR BALANCE NO. 5 See Following Sheet

88	89	290	91	92	93	94	295	96	97	98	99	300	01	02	03	04	305	06	07	08	09	310	11	12	13	14	315	16	17	18	320
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MONUMENT TYPE 'B' REQ'D.  
APPROX. 16' LT. STA. 322+47.2

PUBLIC ROAD CROSSOVER  
REQ'D. - STA. 302+50  
SEE DETAIL ON SHEET NO. 27

EARTH CROSSOVER  
REQ'D. - STA. 328+75

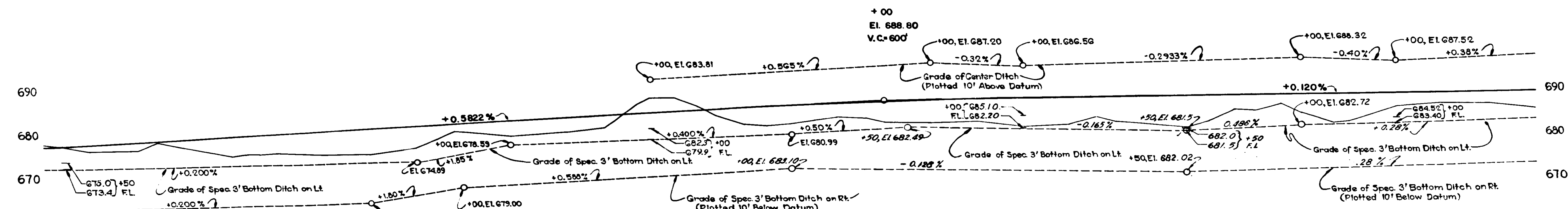
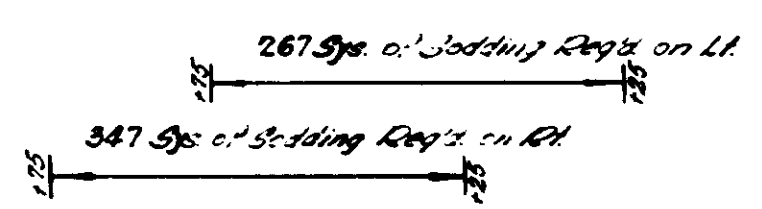


NOTE: COUNTY ROAD ON LT.  
TO BE ABANDONED FROM  
STA. 323+00 TO STA. 328+00

ALL R/W ON THIS SHEET TO BE AS SHOWN.  
R/W TO BE ACQUIRED UNDER LIMITED ACCESS PROVISIONS.  
POINTS OF ACCESS TO BE AS SHOWN BELOW:

STATION	CLASS
372+50 Lt	Pub. Rd.
320+75 Rt	V

B.M. #43 A Elev. 677.72 Bt Spk. in S.W. side Twp. 161' Lt. Sta. 322+62  
B.M. #44 A Elev. 684.77 Bt Spk. in 24' Walnut 74' Lt. Sta. 330+35  
B.M. #45 A Elev. 684.42 Bt Spk. in Twp. 112' Lt. Sta. 338+25  
B.M. #46 A Elev. 690.25 Chisled on top 18" x 18" Conc. Cor. P. 116' Lt. Sta. 349+05



**BALANCE NO. 5**  
Cut = 13,360 Cys.  
Fill = 20,010 Cys.  
Borrow = 12,650 Cys.  
Above Borrow to be obtained from Balance No. 8

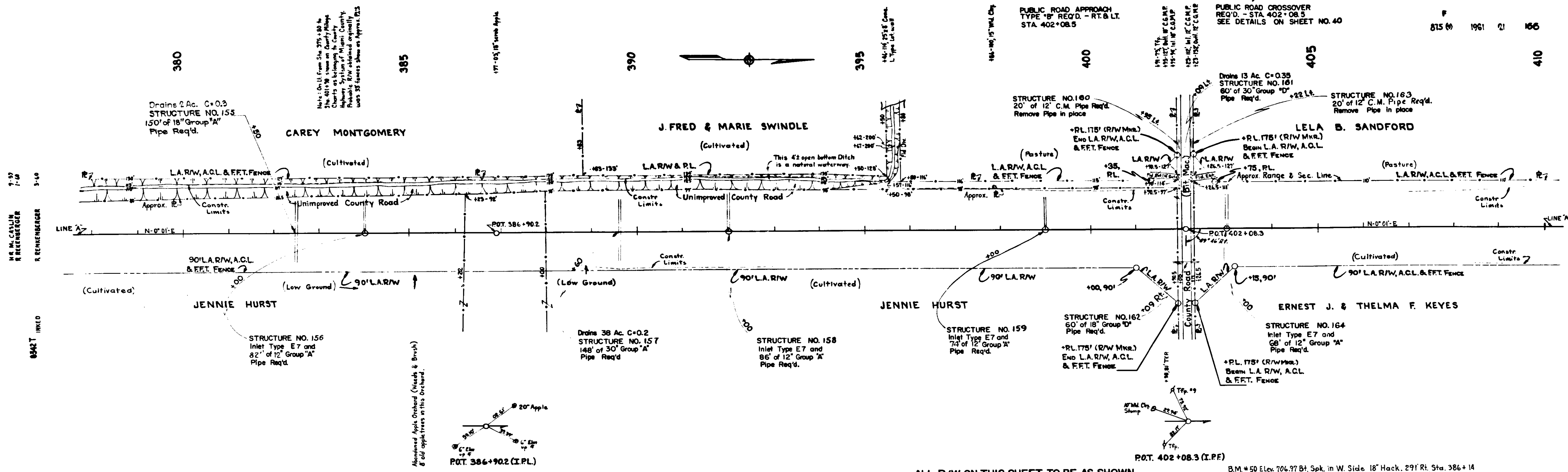
**BALANCE NO. 6**  
Cut = 3697 Cys.  
Fill = 20,830 Cys.  
Borrow = 27,143 Cys.  
Above Borrow to be obtained as follows:  
3090 Cys. from Balance No. 8  
24,053 Cys. from Balance No. 10

677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000
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UNAS 1-1-63





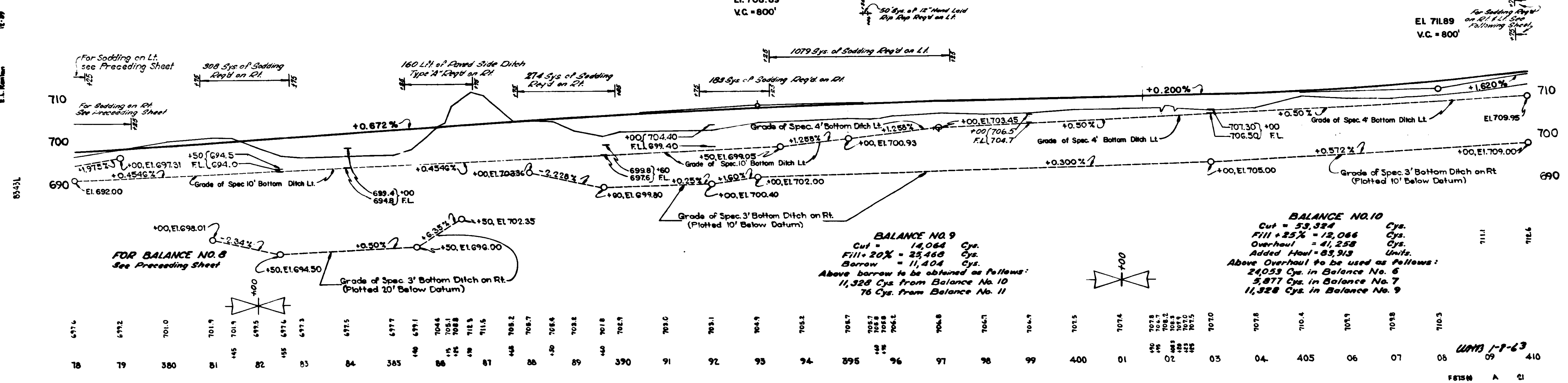


ALL R/W ON THIS SHEET TO BE AS SHOWN.  
 R/W TO BE ACQUIRED UNDER LIMITED ACCESS PROVISIONS.  
 POINTS OF ACCESS TO BE AS SHOWN BELOW:

STATION	CLASS
402+08.3 R/W	Pub Rd
402+08.3 Lt	Pub Rd

El. 708.89  
 V.C. = 800'

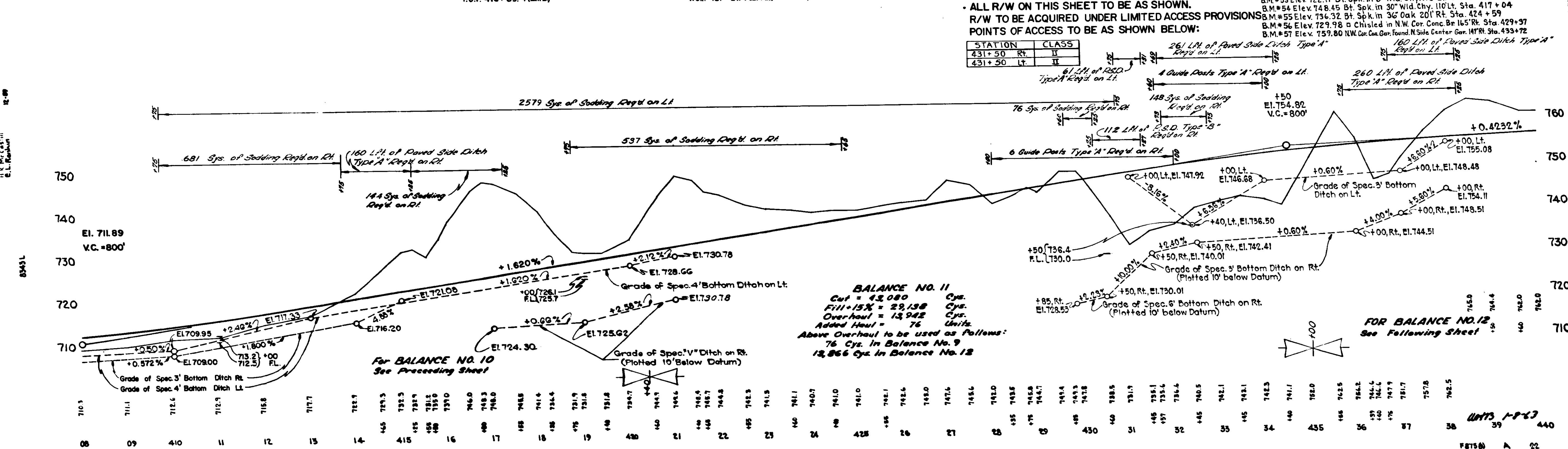
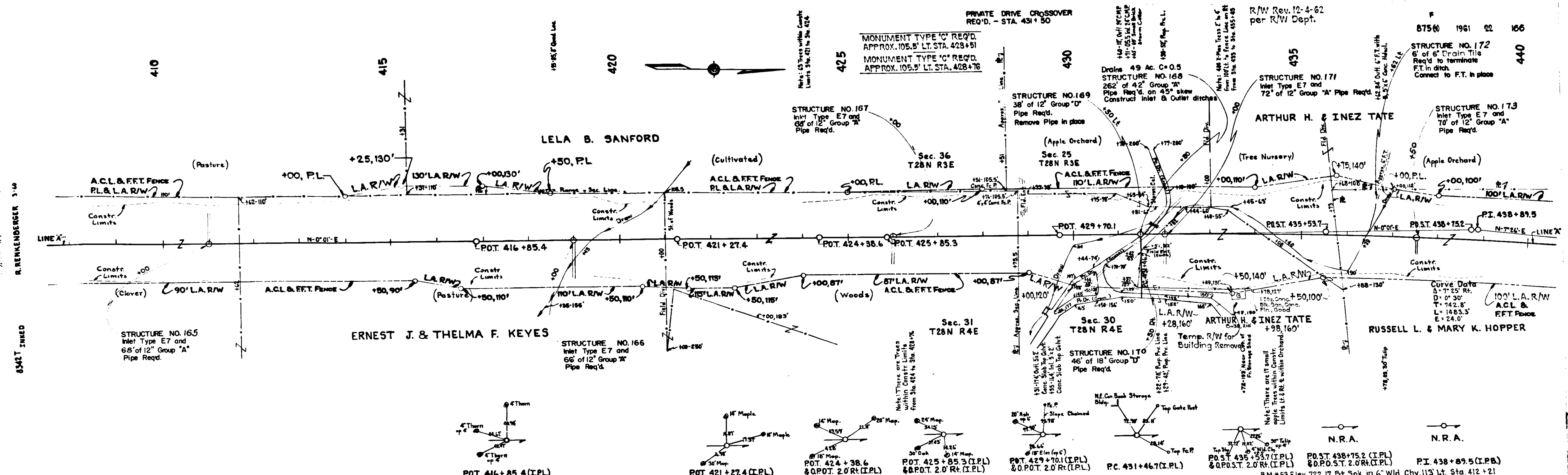
El. 711.89  
 V.C. = 800'



**BALANCE NO. 9**  
 Cut = 14,064 Cys.  
 Fill + 25% = 23,468 Cys.  
 Barrow = 11,404 Cys.  
 Above barrow to be obtained as follows:  
 11,328 Cys. from Balance No. 10  
 76 Cys. from Balance No. 11

**BALANCE NO. 10**  
 Cut = 53,324 Cys.  
 Fill + 25% = 12,066 Cys.  
 Overhaul = 41,258 Cys.  
 Added Haul = 83,913 Units.  
 Above Overhaul to be used as follows:  
 24,053 Cys. in Balance No. 6  
 5,877 Cys. in Balance No. 7  
 11,328 Cys. in Balance No. 9

UMS 1-1-63  
 18 79 380 81 82 83 84 385 86 87 88 89 390 91 92 93 94 395 96 97 98 99 400 01 02 03 04 405 06 07 08 09 410



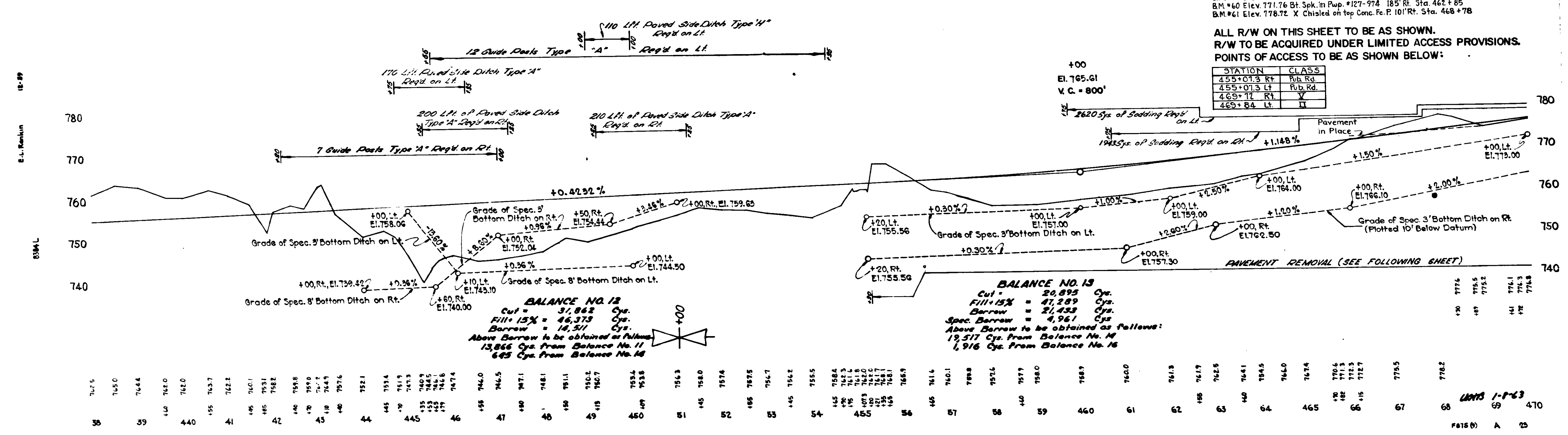
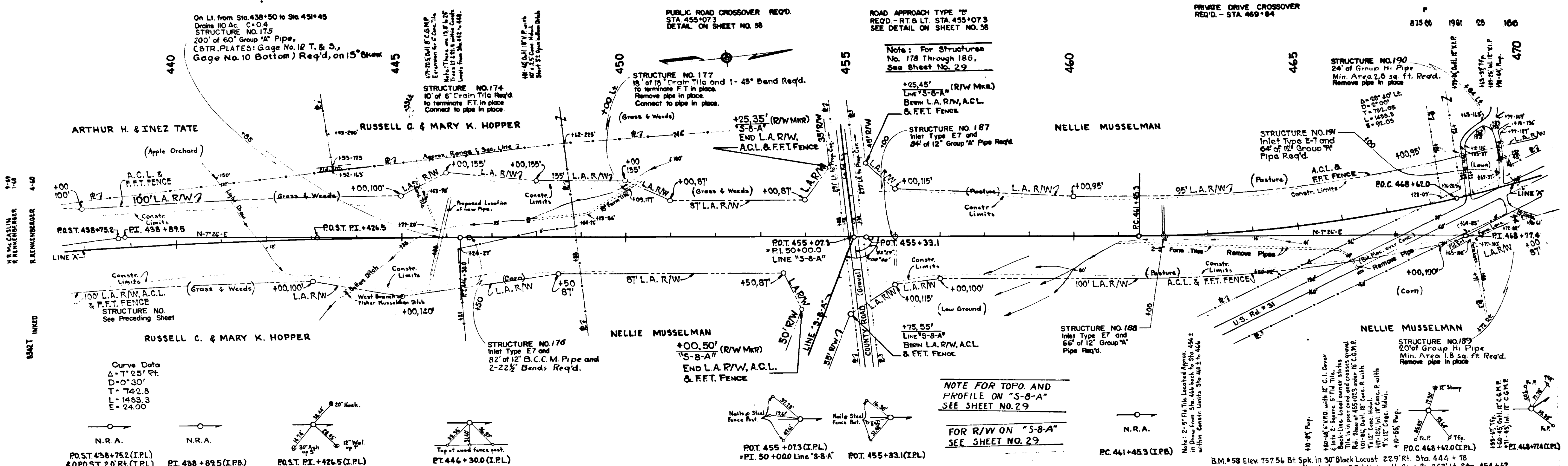
ALL R/W ON THIS SHEET TO BE AS SHOWN.  
 R/W TO BE ACQUIRED UNDER LIMITED ACCESS PROVISIONS  
 POINTS OF ACCESS TO BE AS SHOWN:

STATION	CLASS
431+50	Rt. II
431+50	Lt. II

**BALANCE NO. 11**  
 Cut = 42,000 Cys.  
 Fill = 15% = 29,138 Cys.  
 Overhaul = 12,942 Cys.  
 Added Haul = 76 Units.  
 Above Overhaul to be used as follows:  
 76 Cys. in Balance No. 9  
 12,866 Cys. in Balance No. 12

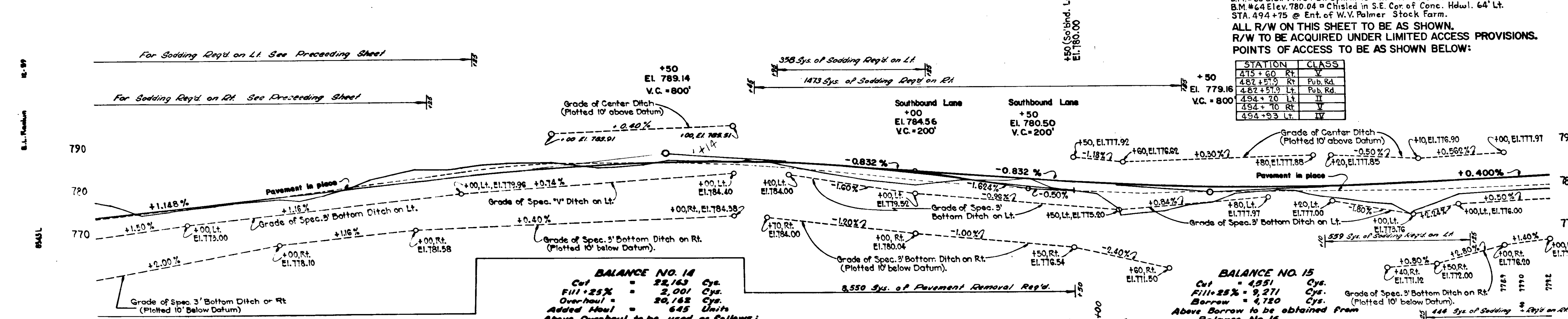
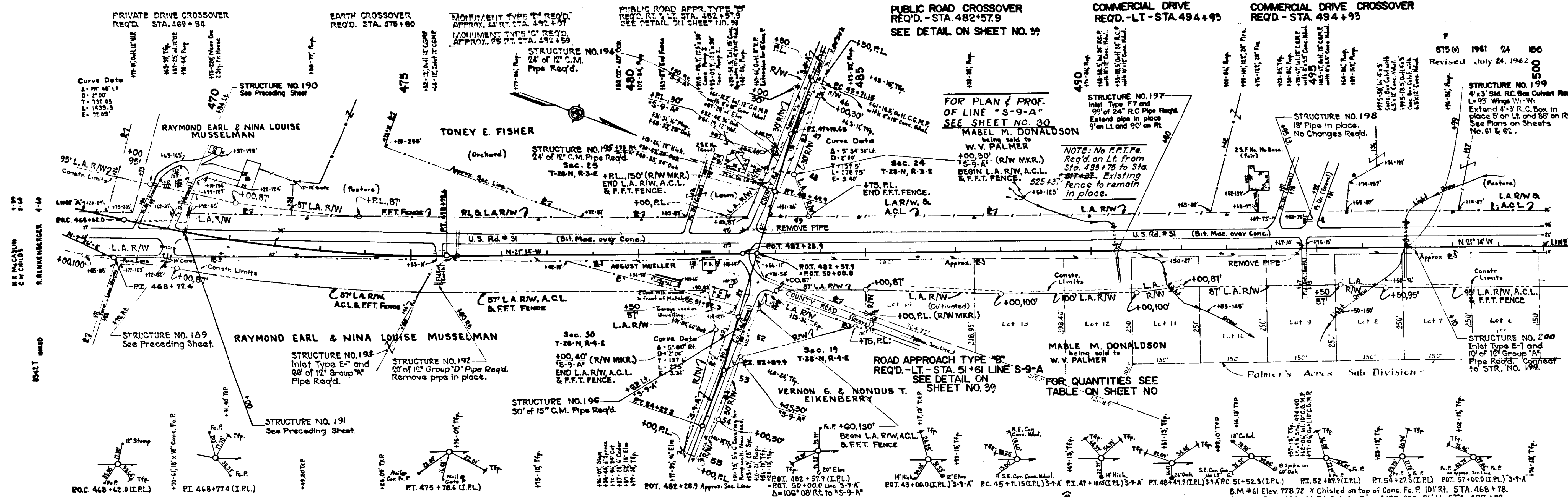
**FOR BALANCE NO. 12**  
 See Following Sheet

UNITS 1-8-53  
 39  
 87500 A 22



Station	Elevation	Station	Elevation	Station	Elevation	Station	Elevation
38	747.5	41	762.2	44	782.1	47	794.0
39	745.0	42	760.1	45	783.4	48	797.1
40	744.4	43	759.1	46	781.3	49	794.1
41	742.0	44	758.2	47	779.3	50	791.1
42	741.0	45	757.8	48	777.3	51	788.1
43	740.7	46	757.4	49	775.3	52	785.1
44	740.2	47	757.0	50	773.3	53	782.1
45	739.7	48	756.6	51	771.3	54	779.1
46	739.2	49	756.2	52	769.3	55	776.1
47	738.7	50	755.8	53	767.3	56	773.1
48	738.2	51	755.4	54	765.3	57	770.1
49	737.7	52	755.0	55	763.3	58	767.1
50	737.2	53	754.6	56	761.3	59	764.1
51	736.7	54	754.2	57	759.3	60	761.1
52	736.2	55	753.8	58	757.3	61	758.1
53	735.7	56	753.4	59	755.3	62	755.1
54	735.2	57	753.0	60	753.3	63	752.1
55	734.7	58	752.6	61	751.3	64	749.1
56	734.2	59	752.2	62	749.3	65	746.1
57	733.7	60	751.8	63	747.3	66	743.1
58	733.2	61	751.4	64	745.3	67	740.1
59	732.7	62	751.0	65	743.3	68	737.1
60	732.2	63	750.6	66	741.3	69	734.1
61	731.7	64	750.2	67	739.3	70	731.1
62	731.2	65	749.8	68	737.3	71	728.1
63	730.7	66	749.4	69	735.3	72	725.1
64	730.2	67	749.0	70	733.3	73	722.1
65	729.7	68	748.6	71	731.3	74	719.1
66	729.2	69	748.2	72	729.3	75	716.1
67	728.7	70	747.8	73	727.3	76	713.1
68	728.2	71	747.4	74	725.3	77	710.1
69	727.7	72	747.0	75	723.3	78	707.1
70	727.2	73	746.6	76	721.3	79	704.1
71	726.7	74	746.2	77	719.3	80	701.1
72	726.2	75	745.8	78	717.3	81	698.1
73	725.7	76	745.4	79	715.3	82	695.1
74	725.2	77	745.0	80	713.3	83	692.1
75	724.7	78	744.6	81	711.3	84	689.1
76	724.2	79	744.2	82	709.3	85	686.1
77	723.7	80	743.8	83	707.3	86	683.1
78	723.2	81	743.4	84	705.3	87	680.1
79	722.7	82	743.0	85	703.3	88	677.1
80	722.2	83	742.6	86	701.3	89	674.1
81	721.7	84	742.2	87	699.3	90	671.1
82	721.2	85	741.8	88	697.3	91	668.1
83	720.7	86	741.4	89	695.3	92	665.1
84	720.2	87	741.0	90	693.3	93	662.1
85	719.7	88	740.6	91	691.3	94	659.1
86	719.2	89	740.2	92	689.3	95	656.1
87	718.7	90	739.8	93	687.3	96	653.1
88	718.2	91	739.4	94	685.3	97	650.1
89	717.7	92	739.0	95	683.3	98	647.1
90	717.2	93	738.6	96	681.3	99	644.1
91	716.7	94	738.2	97	679.3	100	641.1
92	716.2	95	737.8	98	677.3	101	638.1
93	715.7	96	737.4	99	675.3	102	635.1
94	715.2	97	737.0	100	673.3	103	632.1
95	714.7	98	736.6	101	671.3	104	629.1
96	714.2	99	736.2	102	669.3	105	626.1
97	713.7	100	735.8	103	667.3	106	623.1
98	713.2	101	735.4	104	665.3	107	620.1
99	712.7	102	735.0	105	663.3	108	617.1
100	712.2	103	734.6	106	661.3	109	614.1
101	711.7	104	734.2	107	659.3	110	611.1
102	711.2	105	733.8	108	657.3	111	608.1
103	710.7	106	733.4	109	655.3	112	605.1
104	710.2	107	733.0	110	653.3	113	602.1
105	709.7	108	732.6	111	651.3	114	599.1
106	709.2	109	732.2	112	649.3	115	596.1
107	708.7	110	731.8	113	647.3	116	593.1
108	708.2	111	731.4	114	645.3	117	590.1
109	707.7	112	731.0	115	643.3	118	587.1
110	707.2	113	730.6	116	641.3	119	584.1
111	706.7	114	730.2	117	639.3	120	581.1
112	706.2	115	729.8	118	637.3	121	578.1
113	705.7	116	729.4	119	635.3	122	575.1
114	705.2	117	729.0	120	633.3	123	572.1
115	704.7	118	728.6	121	631.3	124	569.1
116	704.2	119	728.2	122	629.3	125	566.1
117	703.7	120	727.8	123	627.3	126	563.1
118	703.2	121	727.4	124	625.3	127	560.1
119	702.7	122	727.0	125	623.3	128	557.1
120	702.2	123	726.6	126	621.3	129	554.1
121	701.7	124	726.2	127	619.3	130	551.1
122	701.2	125	725.8	128	617.3	131	548.1
123	700.7	126	725.4	129	615.3	132	545.1
124	700.2	127	725.0	130	613.3	133	542.1
125	699.7	128	724.6	131	611.3	134	539.1
126	699.2	129	724.2	132	609.3	135	536.1
127	698.7	130	723.8	133	607.3	136	533.1
128	698.2	131	723.4	134	605.3	137	530.1
129	697.7	132	723.0	135	603.3	138	527.1
130	697.2	133	722.6	136	601.3	139	524.1
131	696.7	134	722.2	137	599.3	140	521.1
132	696.2	135	721.8	138	597.3	141	518.1
133	695.7	136	721.4	139	595.3	142	515.1
134	695.2	137	721.0	140	593.3	143	512.1
135	694.7	138	720.6	141	591.3	144	509.1
136	694.2	139	720.2	142	589.3	145	506.1
137	693.7	140	719.8	143	587.3	146	503.1
138	693.2	141	719.4	144	585.3	147	500.1
139	692.7	142	719.0	145	583.3	148	497.1
140	692.2	143	718.6	146	581.3	149	494.1
141	691.7	144	718.2	147	579.3	150	491.1
142	691.2	145	717.8	148	577.3	151	488.1
143	690.7	146	717.4	149	575.3	152	485.1
144	690.2	147	717.0	150	573.3	153	482.1
145	689.7	148	716.6	151	571.3	154	479.1
146	689.2	149	716.2	152	569.3	155	476.1
147	688.7	150	715.8	153	567.3	156	473.1
148	688.2	151	715.4	154	565.3	157	470.1
149	687.7	152	715.0	155	563.3	158	467.1
150	687.2	153	714.6	156	561.3	159	464.1
151	686.7	154	714.2	157	559.3	160	461.1
152	686.2	155	713.8	158	557.3	161	458.1
153	685.7	156	713.4	159	555.3	162	455.1
154	685.2	157	713.0	160	553.3	163	452.1
155	684.7	158	712.6	161	551.3	164	449.1
156	684.2	159	712.2	162	549.3	165	446.1
157	683.7	160	711.8	163	547.3	166	443.1
158	683.2	161	711.4	164	545.3	167	440.1
159	682.7	162	711.0	165	543.3	168	437.1
160	682.2	163	710.6	166	541.3	169	434.1
161	681.7	164	710.2	167	539.3	170	431.1
162	681.2	165	709.8	168	537.3	171	428.1
163	680.7	166	709.4	169	535.3	172	425.1
164	680.2	167	709.0	170	533.3	173	422.1
165	679.7	168	708.6	171	531.3	174	419.1
166	679.2	169	708.2	172	529.3	175	416.1
167	678.7	170	707.8	173	527.3	176	413.1
168	678.2	171	707.4	174	525.3	177	410.1
169	677.7	172	707.0	175	523.3	178	407.1
170	677.2	173	706.6	176	521.3	179	404.1
171	676.7	174	706.2	177	519.3	180	401.1
172	676.2	175	705.8	178	517.3	181	398.1
173	675.7	176	705.4	179	515.3	182	395.1
174	675.2	177	705.0	180	513.3	183	392.1
175	674.7	178	704.6	181	511.3	184	389.1
176	674.2	179	704.2	182	509.3	185	386.1
177	673.7	180	703.8	183	507.3	186	383.1
178	673.2	181	703.4	184	505.3	187	380.1
179	672.7	182	703.0	185	503.3	188	377.1
180	672.2	183	702.6	186	501.3	189	374.1
181	671.7	184	702.2	187	499.3	190	371.1
182	671.2	185	701.8	188	497.3	191	368.1
183	670.7	186	701.4	189	495.3	192	365.1
184	670.2	187	701.0	190	493.3	193	362.1
185	669.7	188	700.6	191	491.3	194	359.1
186	669.2	189	700.2	192	489.3	195	356.1
187	668.7	190	699.8	193	487.3	196	353.1
188	668.2	191	699.4	194	485.3	197	350.1
189	667.7						

875(1) 1961 24 100  
 Revised July 24, 1962



STATION	CLASS
475 + 60 Rt.	V
482 + 57.9 Rt.	Pub. Rd.
482 + 57.9 Lt.	Pub. Rd.
494 + 20 Lt.	II
494 + 10 Rt.	V
494 + 9.3 Lt.	IV

**BALANCE NO. 14**  
 Cut = 22,163 Cys.  
 Fill + 25% = 2,001 Cys.  
 Overhaul = 20,162 Cys.  
 Added Haul = 645 Units  
 Above Overhaul to be used as follows:  
 645 Cys. in Balance No. 13  
 19,517 Cys. in Balance No. 15

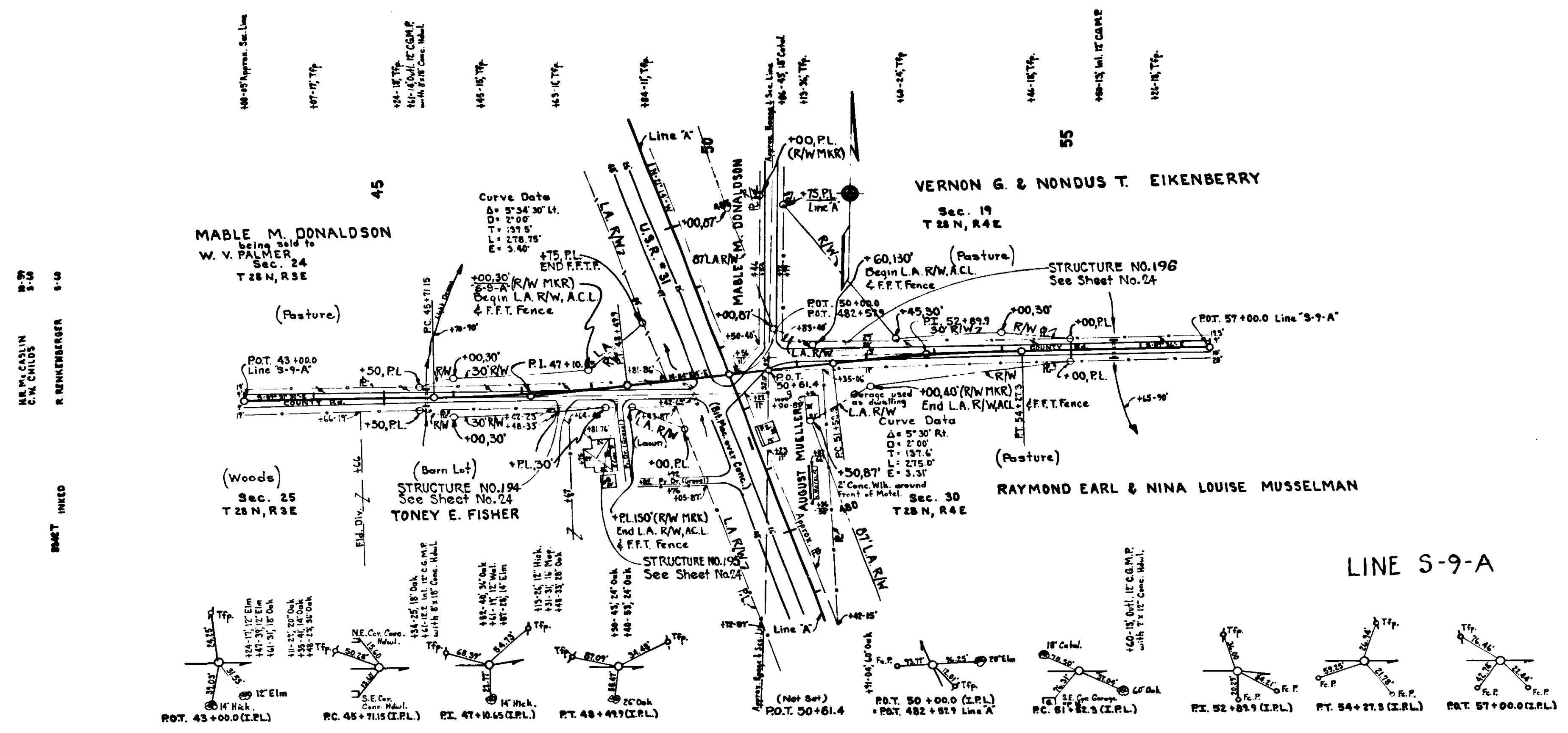
**BALANCE NO. 15**  
 Cut = 4,551 Cys.  
 Fill + 25% = 9,271 Cys.  
 Borrow = 4,720 Cys.  
 Above Borrow to be obtained from  
 Balance No. 16

**FOR BALANCE NO. 13**  
 See Preceding Sheet

68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	500
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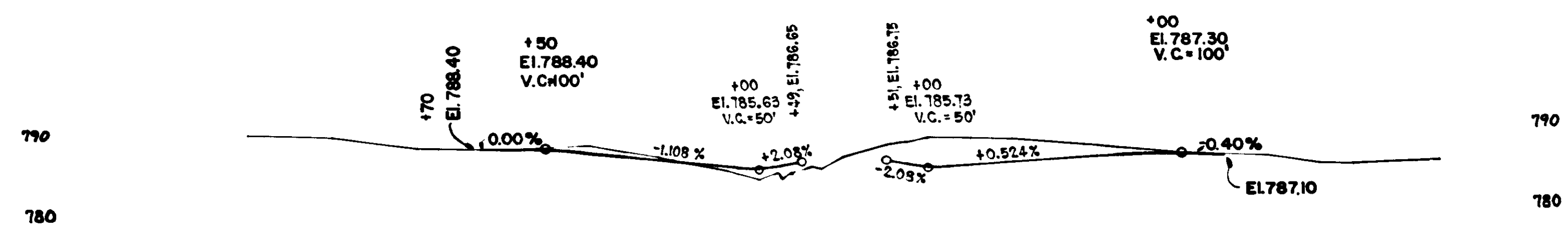




LINE S-9-A

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

POT. 50+61.4 (Not Set) on Approx. Range Line  
 Δ = 84' 20" Lt. to Approx. Range Line  
 23.0' Lt. to Sec. Cor. Stone, N.W. Cor. Sec. 30 T28N, R4E & S.W. Cor. Sec. 19 T28N, R4E  
 32.7' Rt. to Sec. Cor. Stone with X on top N.E. Cor. Sec. 25 T28N, R3E & S.E. Cor. Sec. 24 T28N, R3E

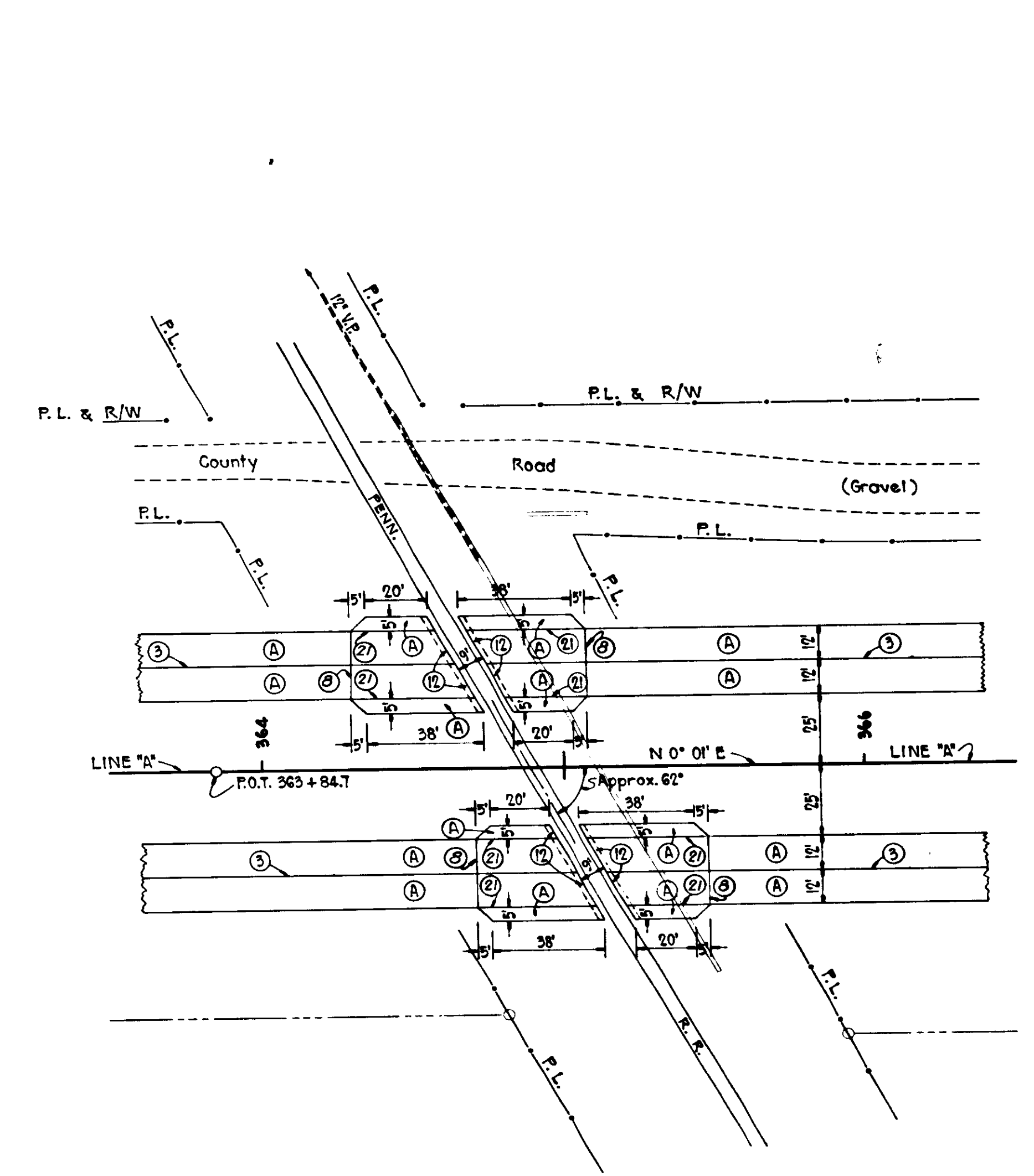


LINE S-9-A

790.4	790.1	789.8	789.5	789.2	788.9	788.6	788.3	788.0	787.7	787.4	787.1	786.8	786.5	786.2	785.9	785.6	785.3	785.0	784.7	784.4	784.1	783.8	783.5	783.2	782.9	782.6	782.3	782.0	781.7	781.4	781.1	780.8	780.5	780.2	779.9	779.6	779.3	779.0	778.7	778.4	778.1	777.8	777.5	777.2	776.9	776.6	776.3	776.0	775.7	775.4	775.1	774.8	774.5	774.2	773.9	773.6	773.3	773.0	772.7	772.4	772.1	771.8	771.5	771.2	770.9	770.6	770.3	770.0	769.7	769.4	769.1	768.8	768.5	768.2	767.9	767.6	767.3	767.0	766.7	766.4	766.1	765.8	765.5	765.2	764.9	764.6	764.3	764.0	763.7	763.4	763.1	762.8	762.5	762.2	761.9	761.6	761.3	761.0	760.7	760.4	760.1	759.8	759.5	759.2	758.9	758.6	758.3	758.0	757.7	757.4	757.1	756.8	756.5	756.2	755.9	755.6	755.3	755.0	754.7	754.4	754.1	753.8	753.5	753.2	752.9	752.6	752.3	752.0	751.7	751.4	751.1	750.8	750.5	750.2	749.9	749.6	749.3	749.0	748.7	748.4	748.1	747.8	747.5	747.2	746.9	746.6	746.3	746.0	745.7	745.4	745.1	744.8	744.5	744.2	743.9	743.6	743.3	743.0	742.7	742.4	742.1	741.8	741.5	741.2	740.9	740.6	740.3	740.0	739.7	739.4	739.1	738.8	738.5	738.2	737.9	737.6	737.3	737.0	736.7	736.4	736.1	735.8	735.5	735.2	734.9	734.6	734.3	734.0	733.7	733.4	733.1	732.8	732.5	732.2	731.9	731.6	731.3	731.0	730.7	730.4	730.1	729.8	729.5	729.2	728.9	728.6	728.3	728.0	727.7	727.4	727.1	726.8	726.5	726.2	725.9	725.6	725.3	725.0	724.7	724.4	724.1	723.8	723.5	723.2	722.9	722.6	722.3	722.0	721.7	721.4	721.1	720.8	720.5	720.2	719.9	719.6	719.3	719.0	718.7	718.4	718.1	717.8	717.5	717.2	716.9	716.6	716.3	716.0	715.7	715.4	715.1	714.8	714.5	714.2	713.9	713.6	713.3	713.0	712.7	712.4	712.1	711.8	711.5	711.2	710.9	710.6	710.3	710.0	709.7	709.4	709.1	708.8	708.5	708.2	707.9	707.6	707.3	707.0	706.7	706.4	706.1	705.8	705.5	705.2	704.9	704.6	704.3	704.0	703.7	703.4	703.1	702.8	702.5	702.2	701.9	701.6	701.3	701.0	700.7	700.4	700.1	699.8	699.5	699.2	698.9	698.6	698.3	698.0	697.7	697.4	697.1	696.8	696.5	696.2	695.9	695.6	695.3	695.0	694.7	694.4	694.1	693.8	693.5	693.2	692.9	692.6	692.3	692.0	691.7	691.4	691.1	690.8	690.5	690.2	689.9	689.6	689.3	689.0	688.7	688.4	688.1	687.8	687.5	687.2	686.9	686.6	686.3	686.0	685.7	685.4	685.1	684.8	684.5	684.2	683.9	683.6	683.3	683.0	682.7	682.4	682.1	681.8	681.5	681.2	680.9	680.6	680.3	680.0	679.7	679.4	679.1	678.8	678.5	678.2	677.9	677.6	677.3	677.0	676.7	676.4	676.1	675.8	675.5	675.2	674.9	674.6	674.3	674.0	673.7	673.4	673.1	672.8	672.5	672.2	671.9	671.6	671.3	671.0	670.7	670.4	670.1	669.8	669.5	669.2	668.9	668.6	668.3	668.0	667.7	667.4	667.1	666.8	666.5	666.2	665.9	665.6	665.3	665.0	664.7	664.4	664.1	663.8	663.5	663.2	662.9	662.6	662.3	662.0	661.7	661.4	661.1	660.8	660.5	660.2	659.9	659.6	659.3	659.0	658.7	658.4	658.1	657.8	657.5	657.2	656.9	656.6	656.3	656.0	655.7	655.4	655.1	654.8	654.5	654.2	653.9	653.6	653.3	653.0	652.7	652.4	652.1	651.8	651.5	651.2	650.9	650.6	650.3	650.0	649.7	649.4	649.1	648.8	648.5	648.2	647.9	647.6	647.3	647.0	646.7	646.4	646.1	645.8	645.5	645.2	644.9	644.6	644.3	644.0	643.7	643.4	643.1	642.8	642.5	642.2	641.9	641.6	641.3	641.0	640.7	640.4	640.1	639.8	639.5	639.2	638.9	638.6	638.3	638.0	637.7	637.4	637.1	636.8	636.5	636.2	635.9	635.6	635.3	635.0	634.7	634.4	634.1	633.8	633.5	633.2	632.9	632.6	632.3	632.0	631.7	631.4	631.1	630.8	630.5	630.2	629.9	629.6	629.3	629.0	628.7	628.4	628.1	627.8	627.5	627.2	626.9	626.6	626.3	626.0	625.7	625.4	625.1	624.8	624.5	624.2	623.9	623.6	623.3	623.0	622.7	622.4	622.1	621.8	621.5	621.2	620.9	620.6	620.3	620.0	619.7	619.4	619.1	618.8	618.5	618.2	617.9	617.6	617.3	617.0	616.7	616.4	616.1	615.8	615.5	615.2	614.9	614.6	614.3	614.0	613.7	613.4	613.1	612.8	612.5	612.2	611.9	611.6	611.3	611.0	610.7	610.4	610.1	609.8	609.5	609.2	608.9	608.6	608.3	608.0	607.7	607.4	607.1	606.8	606.5	606.2	605.9	605.6	605.3	605.0	604.7	604.4	604.1	603.8	603.5	603.2	602.9	602.6	602.3	602.0	601.7	601.4	601.1	600.8	600.5	600.2	599.9	599.6	599.3	599.0	598.7	598.4	598.1	597.8	597.5	597.2	596.9	596.6	596.3	596.0	595.7	595.4	595.1	594.8	594.5	594.2	593.9	593.6	593.3	593.0	592.7	592.4	592.1	591.8	591.5	591.2	590.9	590.6	590.3	590.0	589.7	589.4	589.1	588.8	588.5	588.2	587.9	587.6	587.3	587.0	586.7	586.4	586.1	585.8	585.5	585.2	584.9	584.6	584.3	584.0	583.7	583.4	583.1	582.8	582.5	582.2	581.9	581.6	581.3	581.0	580.7	580.4	580.1	579.8	579.5	579.2	578.9	578.6	578.3	578.0	577.7	577.4	577.1	576.8	576.5	576.2	575.9	575.6	575.3	575.0	574.7	574.4	574.1	573.8	573.5	573.2	572.9	572.6	572.3	572.0	571.7	571.4	571.1	570.8	570.5	570.2	569.9	569.6	569.3	569.0	568.7	568.4	568.1	567.8	567.5	567.2	566.9	566.6	566.3	566.0	565.7	565.4	565.1	564.8	564.5	564.2	563.9	563.6	563.3	563.0	562.7	562.4	562.1	561.8	561.5	561.2	560.9	560.6	560.3	560.0	559.7	559.4	559.1	558.8	558.5	558.2	557.9	557.6	557.3	557.0	556.7	556.4	556.1	555.8	555.5	555.2	554.9	554.6	554.3	554.0	553.7	553.4	553.1	552.8	552.5	552.2	551.9	551.6	551.3	551.0	550.7	550.4	550.1	549.8	549.5	549.2	548.9	548.6	548.3	548.0	547.7	547.4	547.1	546.8	546.5	546.2	545.9	545.6	545.3	545.0	544.7	544.4	544.1	543.8	543.5	543.2	542.9	542.6	542.3	542.0	541.7	541.4	541.1	540.8	540.5	540.2	539.9	539.6	539.3	539.0	538.7	538.4	538.1	537.8	537.5	537.2	536.9	536.6	536.3	536.0	535.7	535.4	535.1	534.8	534.5	534.2	533.9	533.6	533.3	533.0	532.7	532.4	532.1	531.8	531.5	531.2	530.9	530.6	530.3	530.0	529.7	529.4	529.1	528.8	528.5	528.2	527.9	527.6	527.3	527.0	526.7	526.4	526.1	525.8	525.5	525.2	524.9	524.6	524.3	524.0	523.7	523.4	523.1	522.8	522.5	522.2	521.9	521.6	521.3	521.0	520.7	520.4	520.1	519.8	519.5	519.2	518.9	518.6	518.3	518.0	517.7	517.4	517.1	516.8	516.5	516.2	515.9	515.6	515.3	515.0	514.7	514.4	514.1	513.8	513.5	513.2	512.9	512.6	512.3	512.0	511.7	511.4	511.1	510.8	510.5	510.2	509.9	509.6	509.3	509.0	508.7	508.4	508.1	507.8	507.5	507.2	506.9	506.6	506.3	506.0	505.7	505.4	505.1	504.8	504.5	504.2	503.9	503.6	503.3	503.0	502.7	502.4	502.1	501.8	501.5	501.2	500.9	500.6	500.3	500.0
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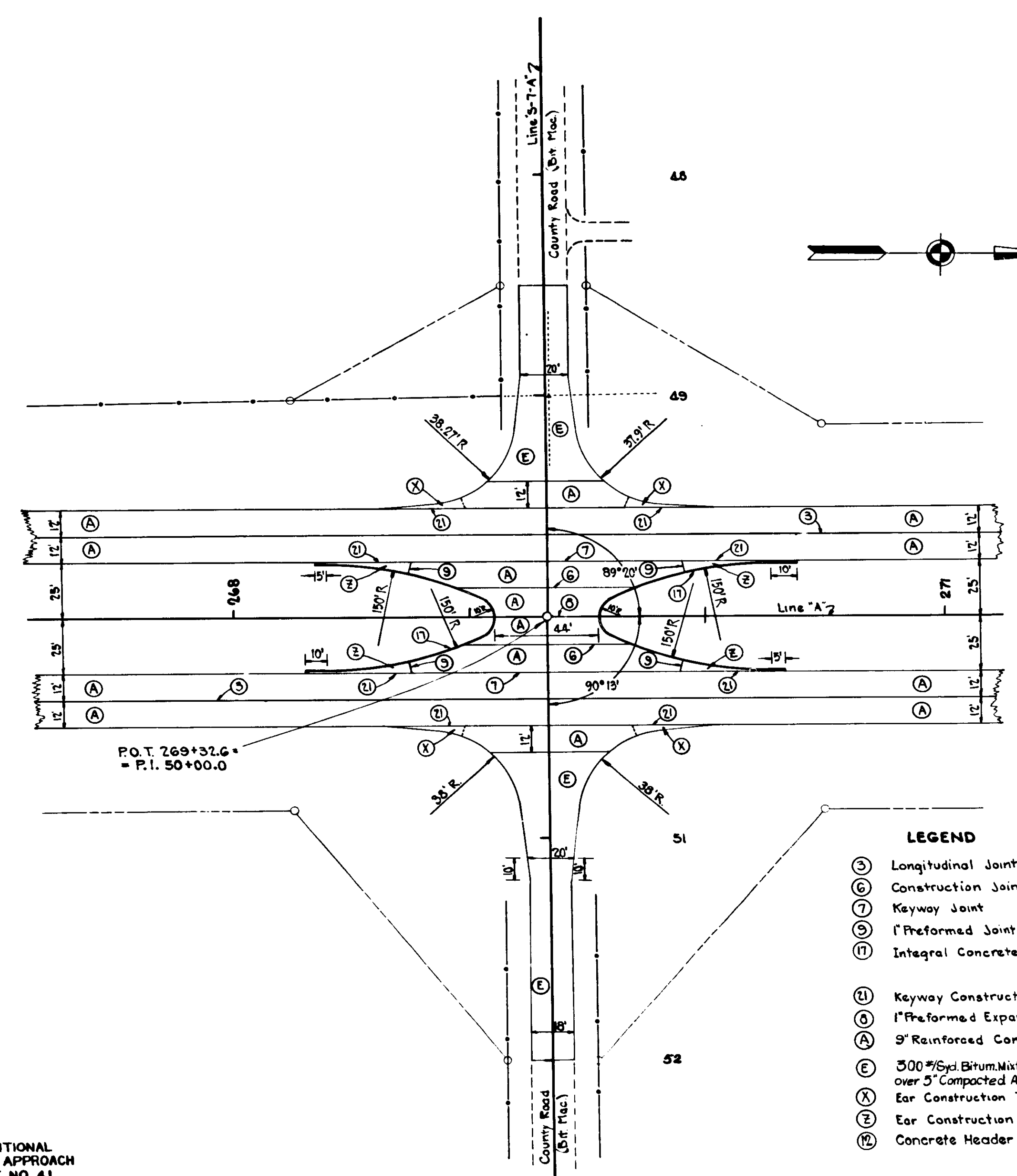


FEDERAL ROAD DIVISION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	875(9)	1961	36	100



**PENNSYLVANIA RAILROAD  
CROSSING - SINGLE TRACK  
STA. 364 + 89.35**

NOTE:- FOR ADDITIONAL  
QUANTITIES, SEE APPROACH  
TABLE ON SHEET NO. 41



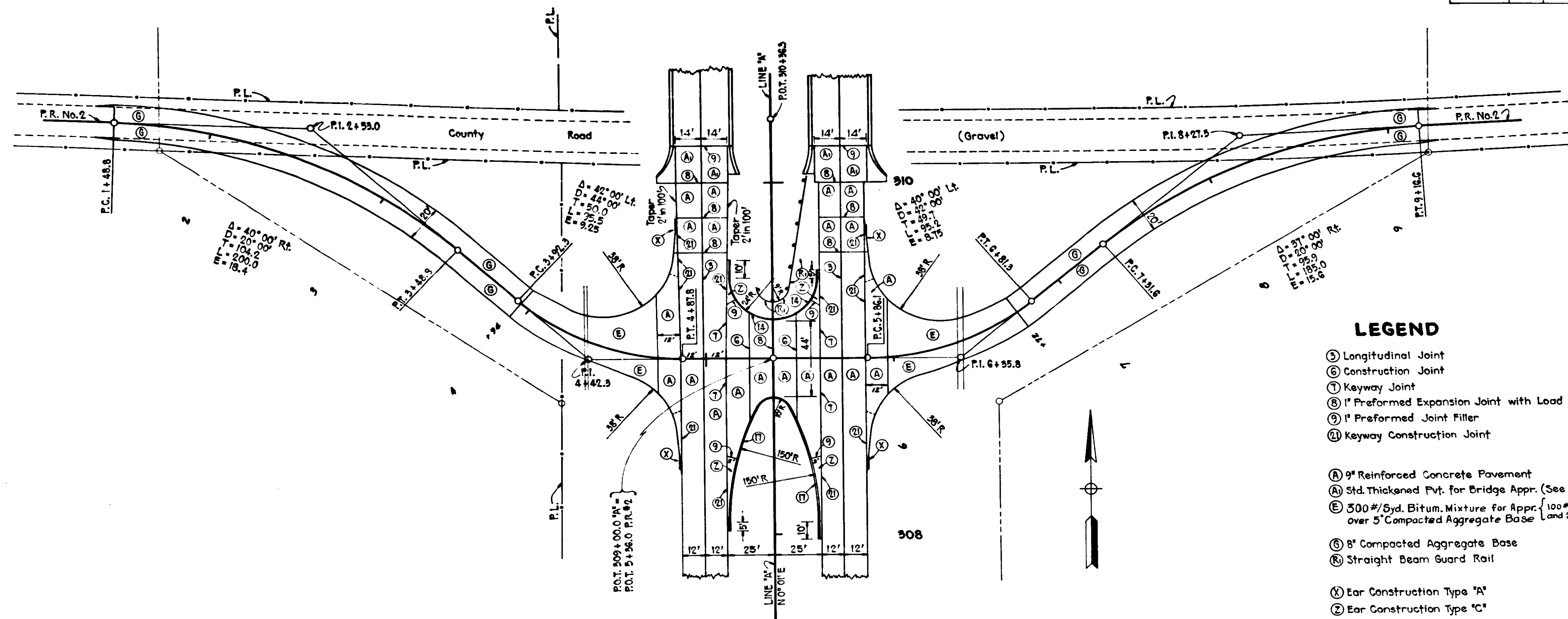
**INTERSECTION  
STA. 269 + 32.6  
LINE 'S-7-A'**

- LEGEND**
- (1) Longitudinal Joint
  - (2) Construction Joint
  - (3) Keyway Joint
  - (4) 1" Preformed Joint Filler
  - (5) Integral Concrete Curb, Type 'B'
  - (6) Keyway Construction Joint
  - (7) 1" Preformed Expansion Joint with Load Transfer
  - (8) 9" Reinforced Concrete Pavement
  - (9) 500# Snd. Bitum. Mixture for Appr. 100# H.A.C. Surf. Type 'B' over 5" Compacted Aggr. Base and 200# H.A.C. Base
  - (10) Ear Construction Type 'A'
  - (11) Ear Construction Type 'C'
  - (12) Concrete Header Type 'A'

**DETAILS**  
SCALE 1" = 30'

10/21/61

FEDERAL ROAD DIVISION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	875 (4)	1961	57	166



**INTERSECTION  
STA. 309+00  
(P.R. No. 2)**

- LEGEND**
- ③ Longitudinal Joint
  - ⑥ Construction Joint
  - ⑦ Keyway Joint
  - ⑧ 1" Preformed Expansion Joint with Load Transfer
  - ⑨ 1" Preformed Joint Filler
  - ⑩ Keyway Construction Joint
  - Ⓐ 9" Reinforced Concrete Pavement
  - Ⓐ Std. Thickened Pavt. for Bridge Appr. (See Sheet No. )
  - Ⓔ 300 #/Syd. Bitum. Mixture for Appr. (100 # H.A.C. Surf Type "B" over 5" Compacted Aggregate Base and 200 # H.A.C. Base)
  - Ⓟ 8" Compacted Aggregate Base
  - Ⓡ Straight Beam Guard Rail
  - Ⓧ Ear Construction Type "A"
  - Ⓨ Ear Construction Type "C"
  - Ⓛ Integral Concrete Curb
  - Ⓜ Integral Concrete Curb Type "B"

NOTE: - FOR ADDITIONAL QUANTITIES SEE APPROACH TABLE ON SHEET NO. 41

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

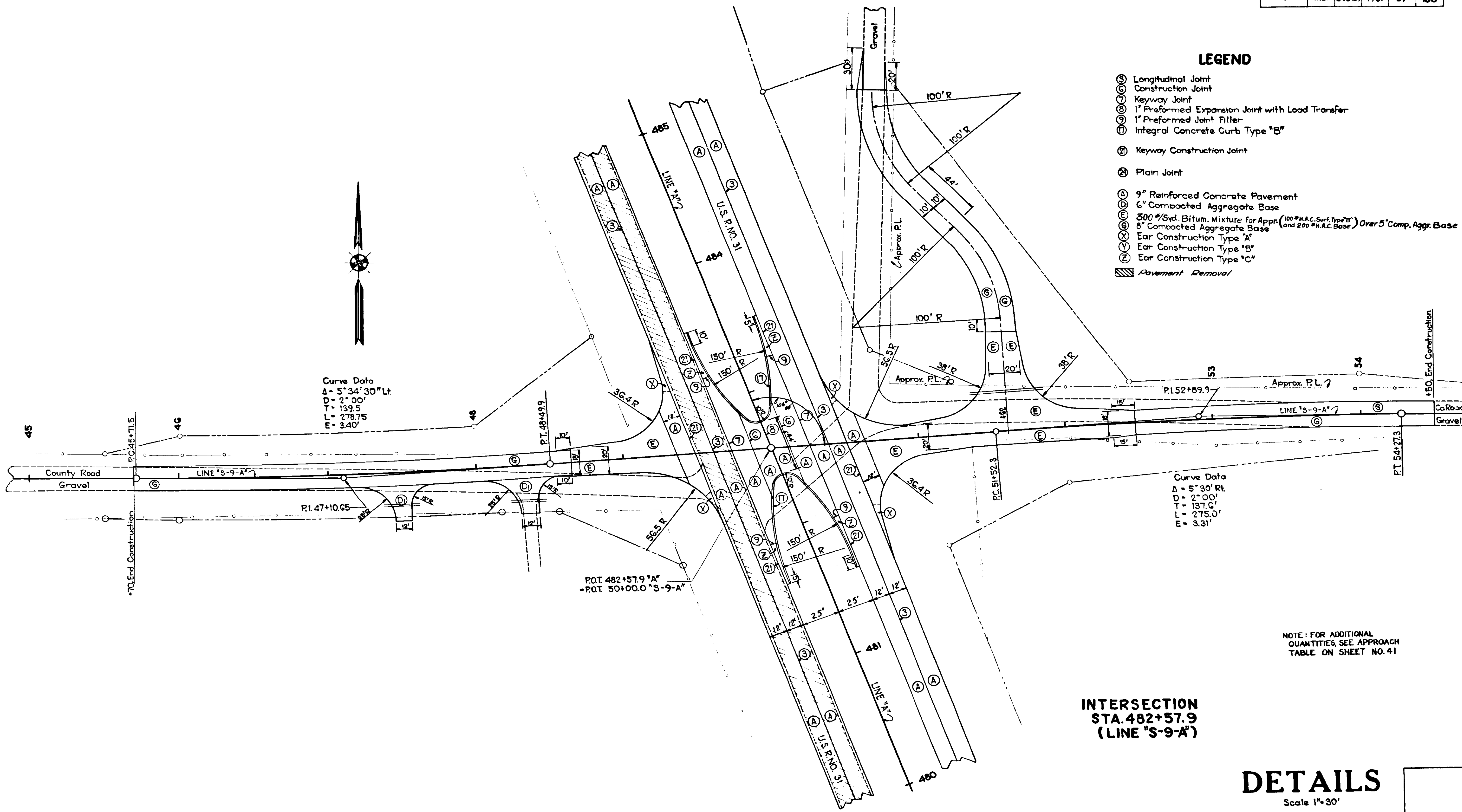
1000 1-2-62



FEDERAL ROAD DISTRICT NO.	STATE	F. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	875(9)	1961	99	166

**LEGEND**

- ⊕ Longitudinal Joint
- ⊖ Construction Joint
- ⊙ Keyway Joint
- ⊗ 1" Preformed Expansion Joint with Load Transfer
- ⊘ 1" Preformed Joint Filler
- ⊕ Integral Concrete Curb Type "B"
- ⊙ Keyway Construction Joint
- ⊗ Plain Joint
- ⊕ 9" Reinforced Concrete Pavement
- ⊖ 6" Compacted Aggregate Base
- ⊙ 300 #/Svd. Bitum. Mixture for Appr. (100 #H.A.C. Surf. Type "B" and 200 #H.A.C. Base) Over 5" Comp. Aggr. Base
- ⊗ 8" Compacted Aggregate Base
- ⊙ Ear Construction Type "A"
- ⊘ Ear Construction Type "B"
- ⊕ Ear Construction Type "C"
- ▨ Pavement Removal



Curve Data  
 $\Delta = 5^{\circ}34'30''$  Lt.  
 $D = 2^{\circ}00'$   
 $L = 139.5'$   
 $T = 278.75'$   
 $E = 3.40'$

Curve Data  
 $\Delta = 5^{\circ}30'$  Rt.  
 $D = 2^{\circ}00'$   
 $L = 137.0'$   
 $T = 275.0'$   
 $E = 3.31'$

**INTERSECTION**  
**STA. 482+57.9**  
**(LINE "S-9-A")**

**DETAILS**  
 Scale 1"=30'

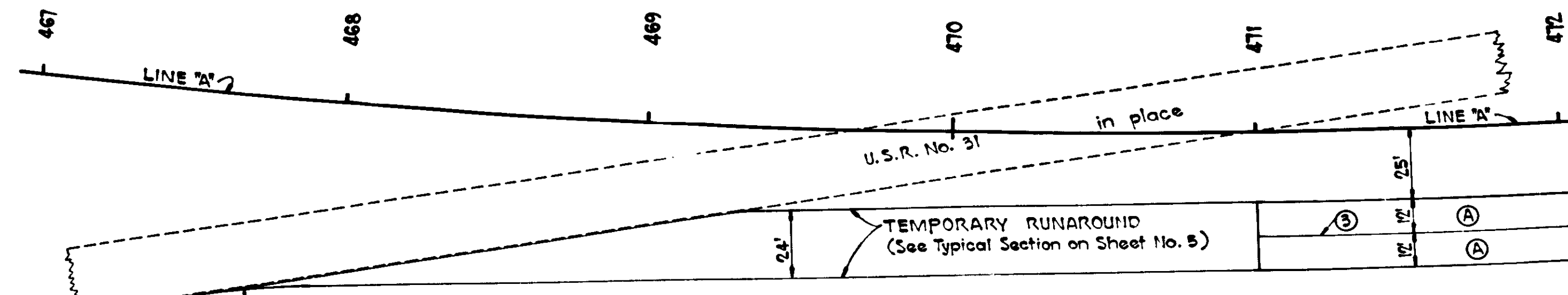
NOTE: FOR ADDITIONAL QUANTITIES, SEE APPROACH TABLE ON SHEET NO. 41

UNO 1-2-3

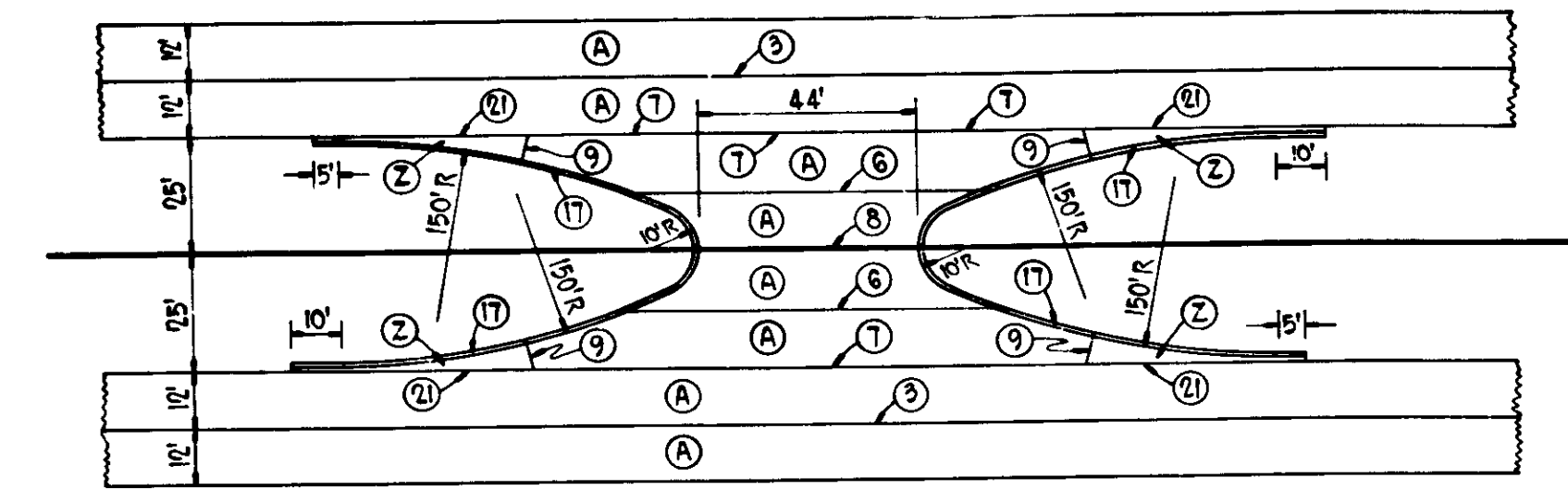
FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	F-875 (4)	1961	40	166

**LEGEND**

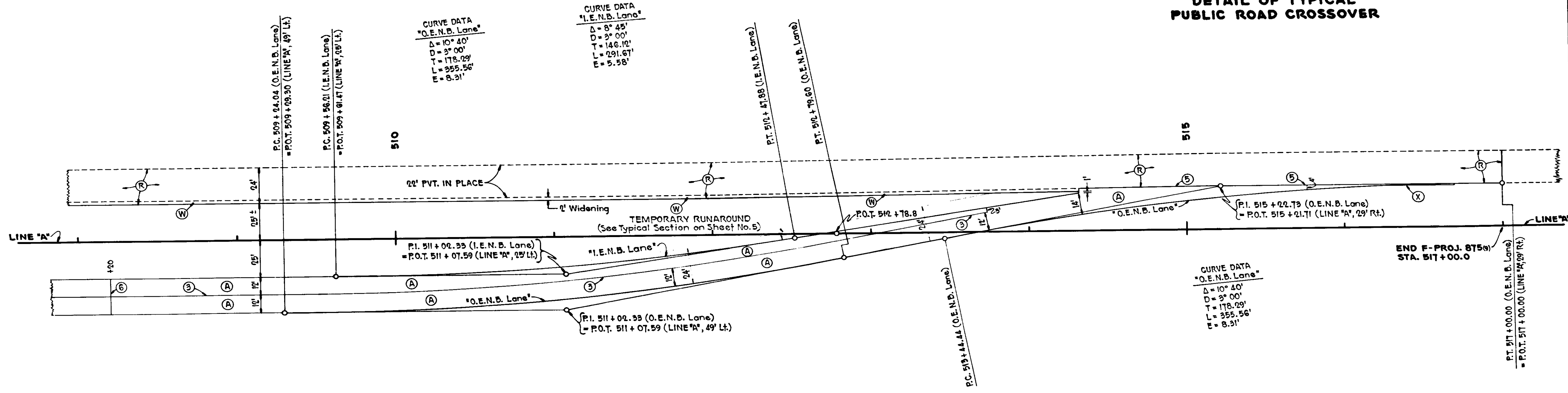
- (A) 9" Reinforced Concrete Pavement
- (B) 90#/Syd Hot Ash Conc. Surface Type "B" and 210#/Syd Hot Ash Conc. Base
- (C) 8" Cement Concrete Base
- (1) Ear Construction Type "A"
- (2) Ear Construction Type "C"
- (3) Longitudinal Joint
- (4) Butt Joint
- (5) Construction Joint
- (6) Keyway Joint
- (7) 1" Preformed Expansion Joint With Load Transfer
- (8) 1" Preformed Joint Filler
- (9) Integral Concrete Curb Type "B"
- (10) Keyway Construction Joint



**DETAIL OF TEMPORARY RUNAROUND**  
FROM APPROX. STA. 467 + 50 TO STA. 471 + 00



**DETAIL OF TYPICAL PUBLIC ROAD CROSSOVER**



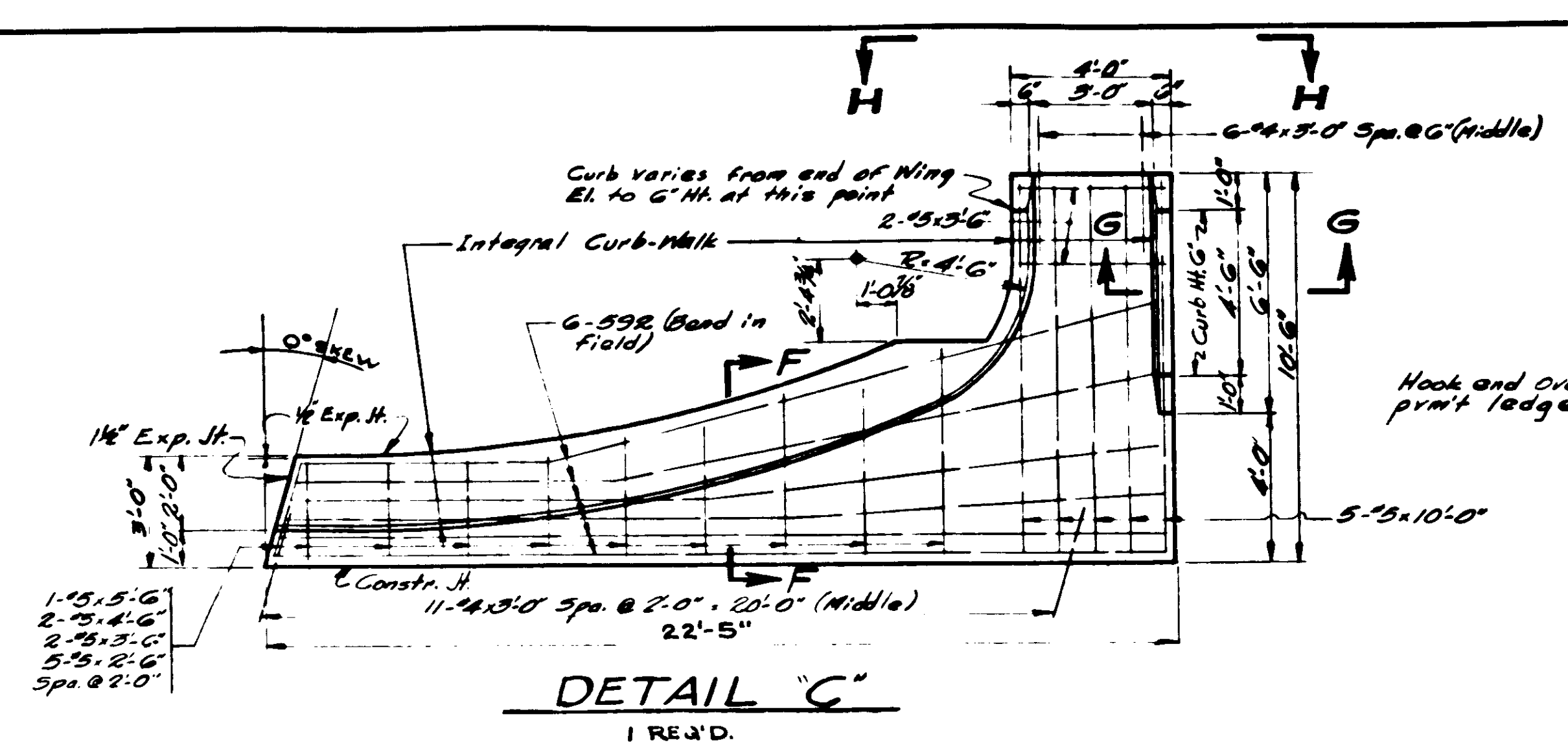
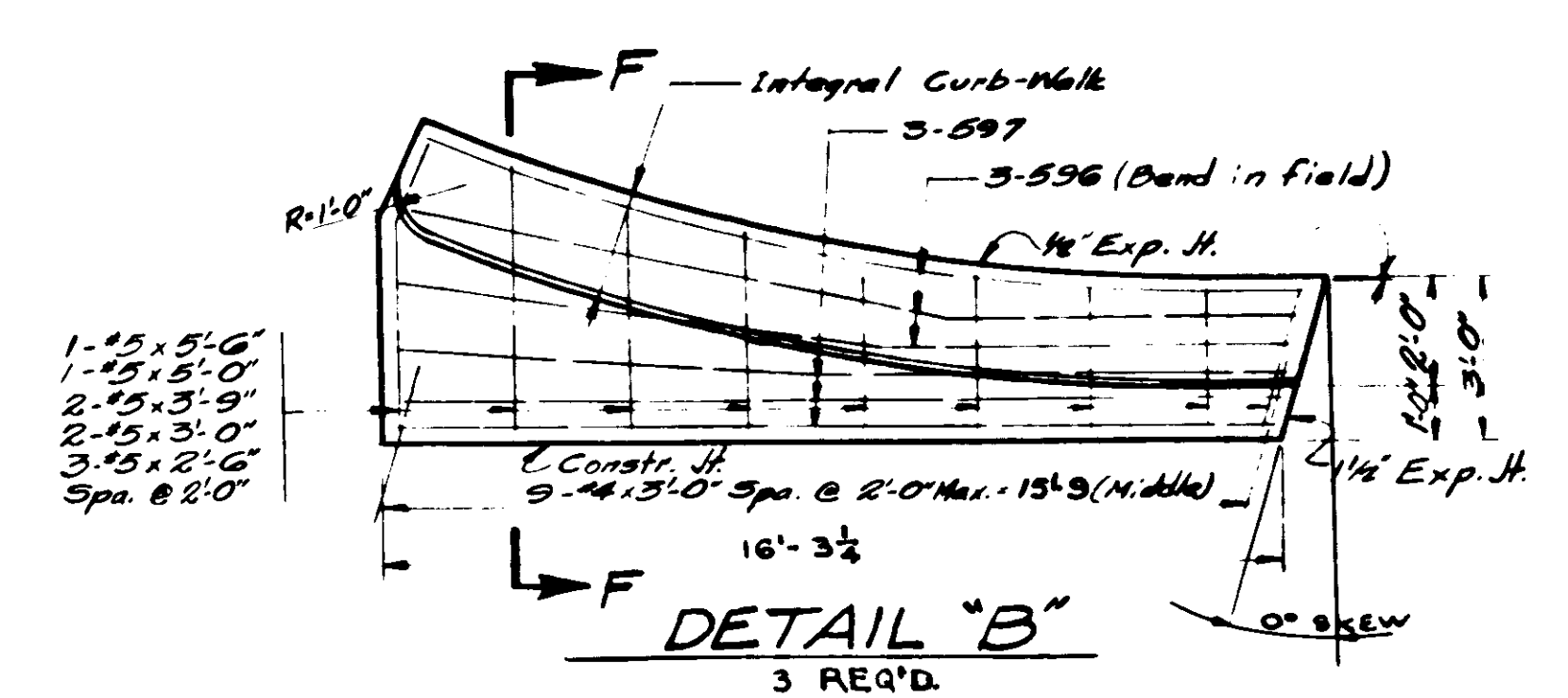
**DETAIL OF CONSTRUCTION**  
STA. 509 + 29.9 TO 517 + 00.00

NOTE: For Profile of Pavement Edges, see Sheet No. 44.

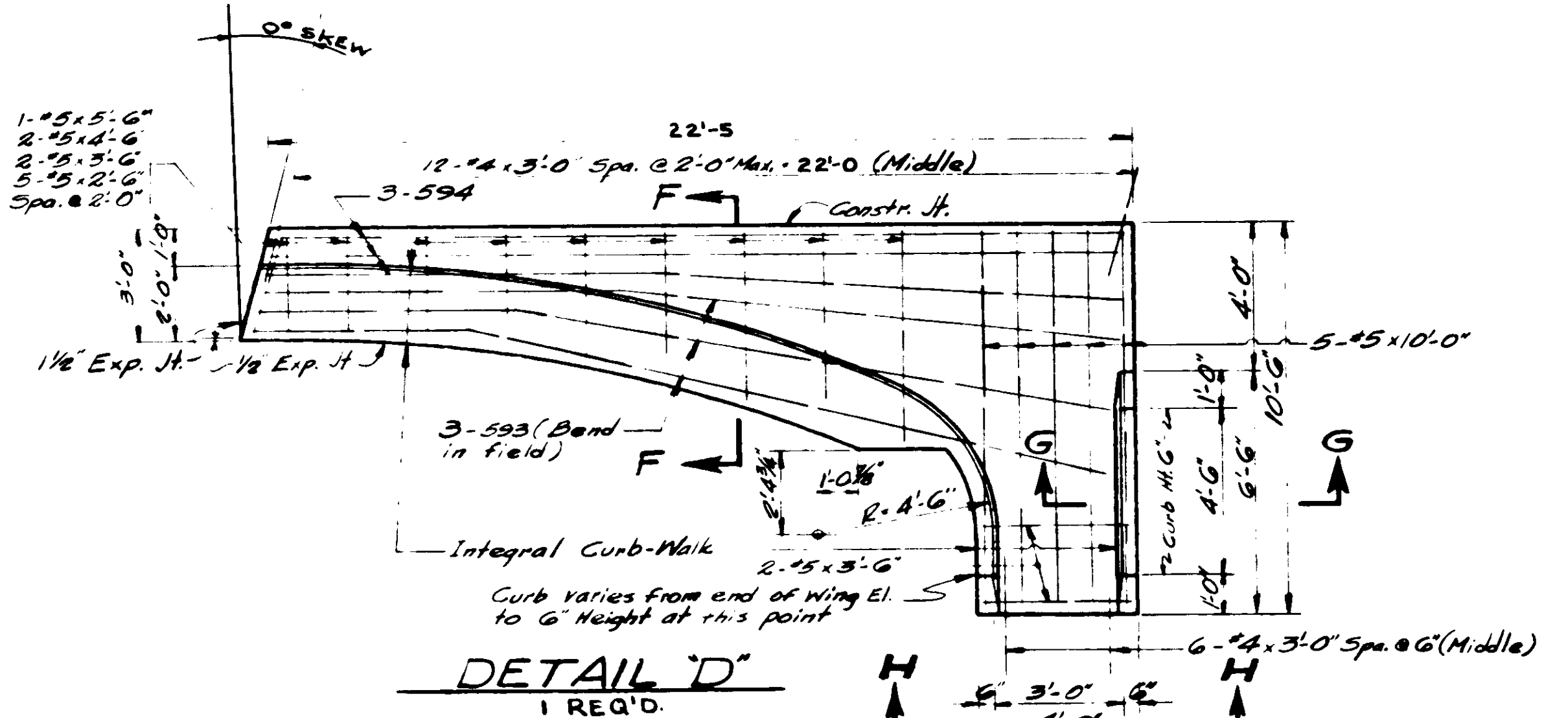
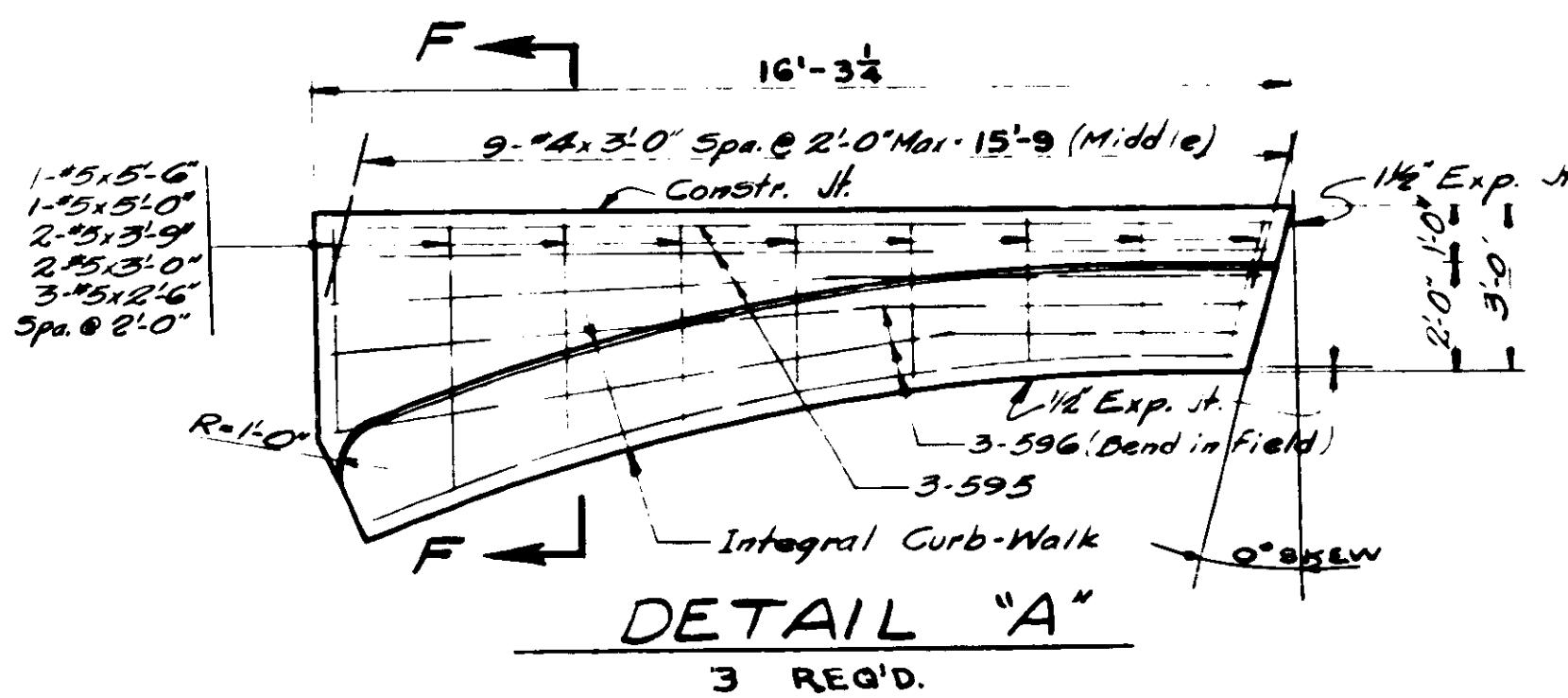
NOTE: FOR ADDITIONAL QUANTITIES, SEE APPROACH TABLE ON SHEET NO. 41

**DETAILS**  
Scale: 1" = 30'

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS
F-875 (4)	"A"	40	166



SIZE AND MARK	NO	LENGTH
592	21'-11	22'-6
593	21'-11	22'-6
594	21'-11	22'-6
595	15'-11	16'-6
596	15'-11	16'-6
597	15'-11	16'-6

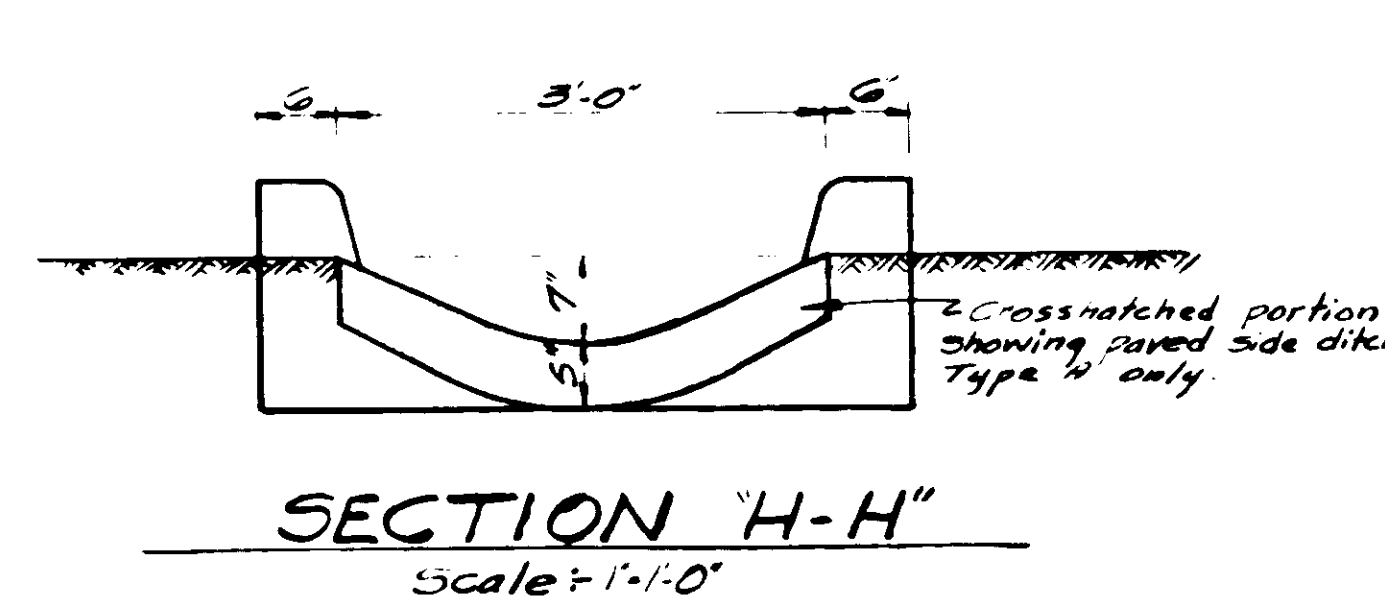
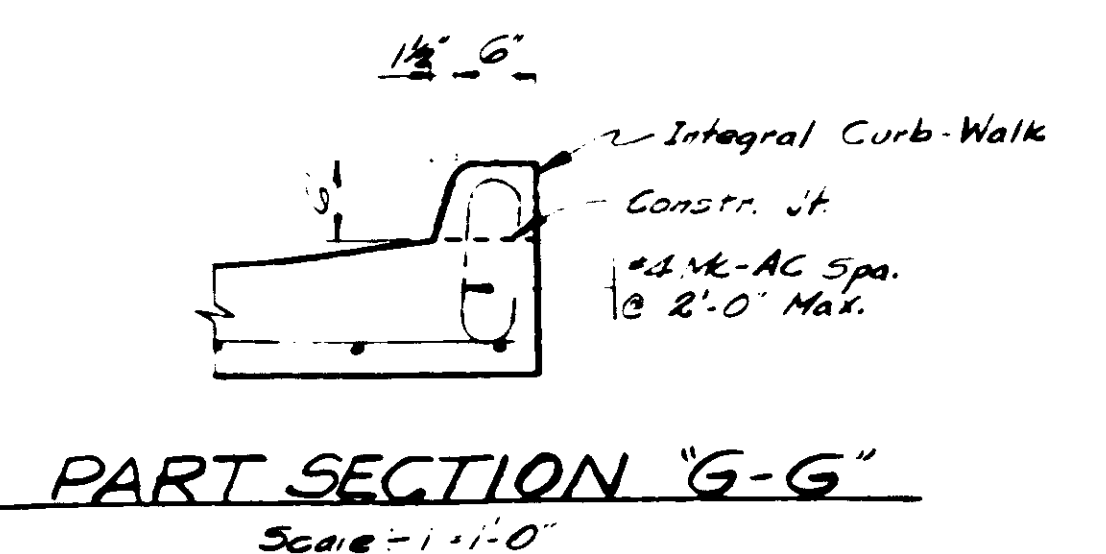
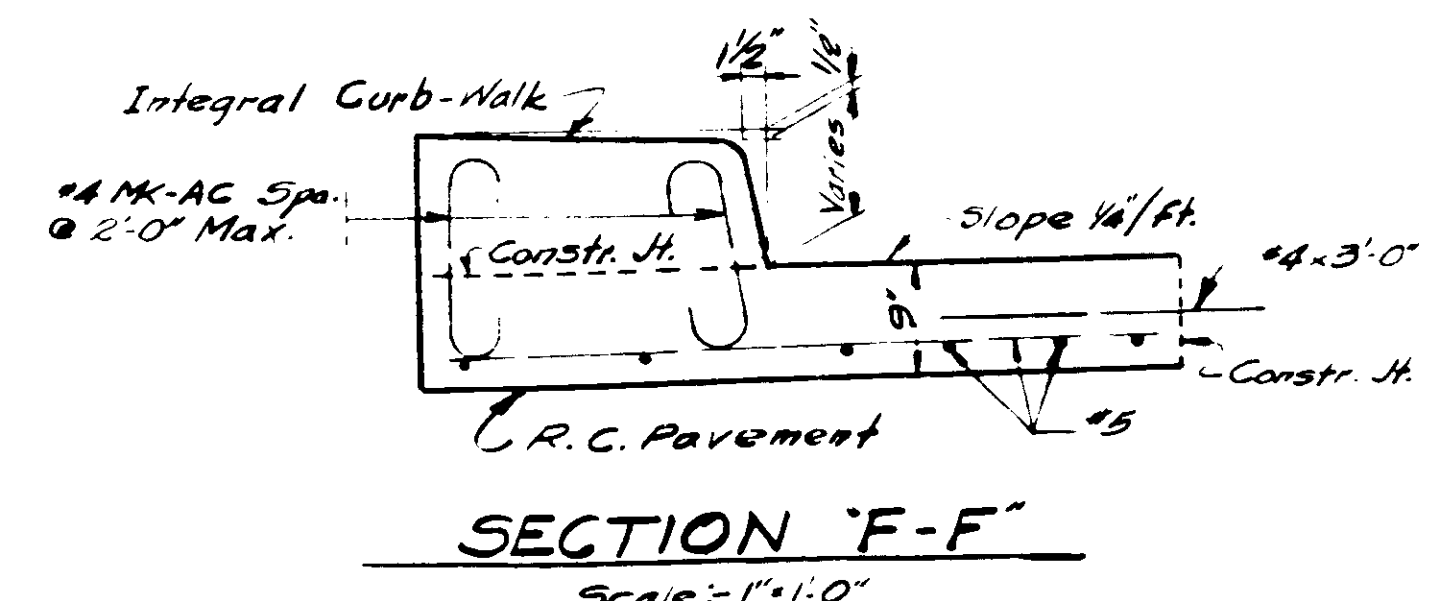


**BILL OF MATERIALS**

REINFORCING STEEL			
SIZE AND MARK	NO	LENGTH	WEIGHT
592	6	22'-6	
593	3	22'-6	
594	3	22'-6	
595	9	16'-6	
596	18	16'-6	
597	9	16'-6	
#5	10	10'-0	
#5	8	5'-6	
#5	6	5'-0	
#5	4	4'-6	
#5	12	3'-9	
#5	8	3'-6	
#5	12	3'-0	
#5	28	2'-6	
Total No 5			1,288
#4	89	3'-0	
#4 AC	156	2'-3	
Total No 4			413
TOTAL STEEL			1,701

MISCELLANEOUS	
R.C. Pavement	69.3 Sp. Yds
Class F Conc. (Integral Curb-Walk)	9.3 Cu. Yds



**WIDENED PAVEMENT DETAILS**  
 STATE HIGHWAY DEPARTMENT OF INDIANA

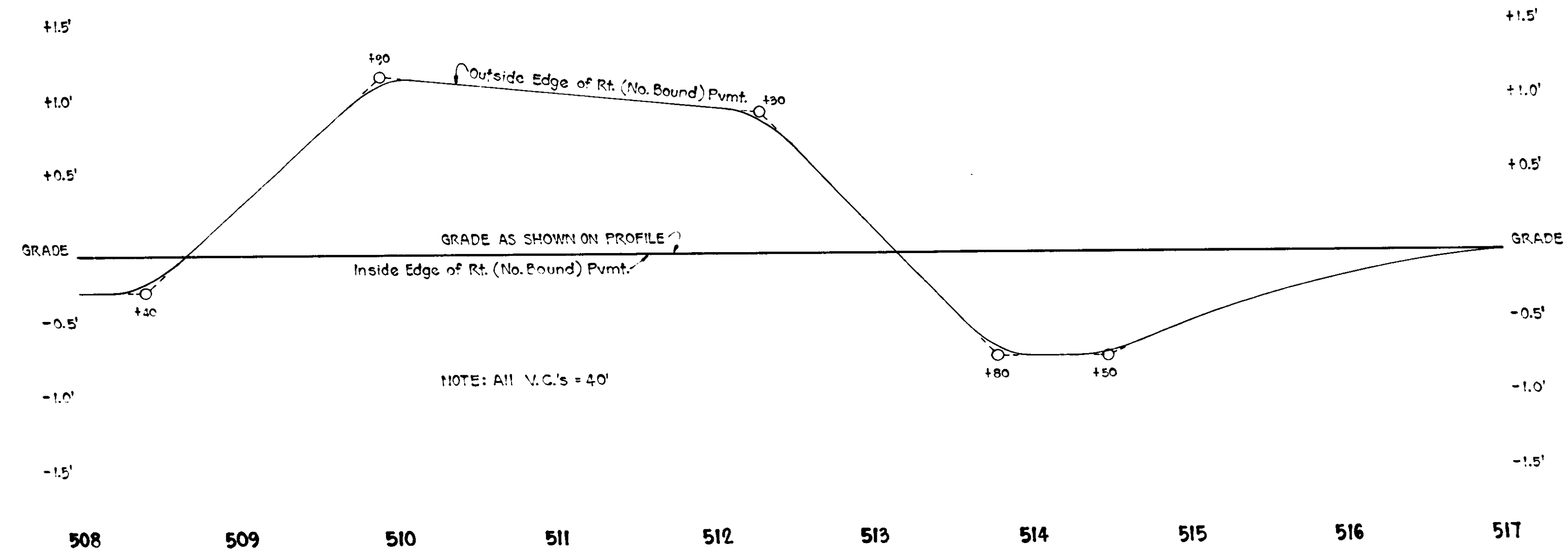
SCALE: 3/8" = 1'-0" UNLESS NOTED FEBRUARY 27, 1961.

RECOMMENDED FOR APPROVAL: *R. R. Rimmer*

DRAWING OF PROJECT: F-875 (6)  
 BRIDGE CONTRACT NO.  
 BRIDGE FILE: 31-59-4859

DESIGNED: CKD  
 DRAWN: M.L.R.  
 TRACED: CKD

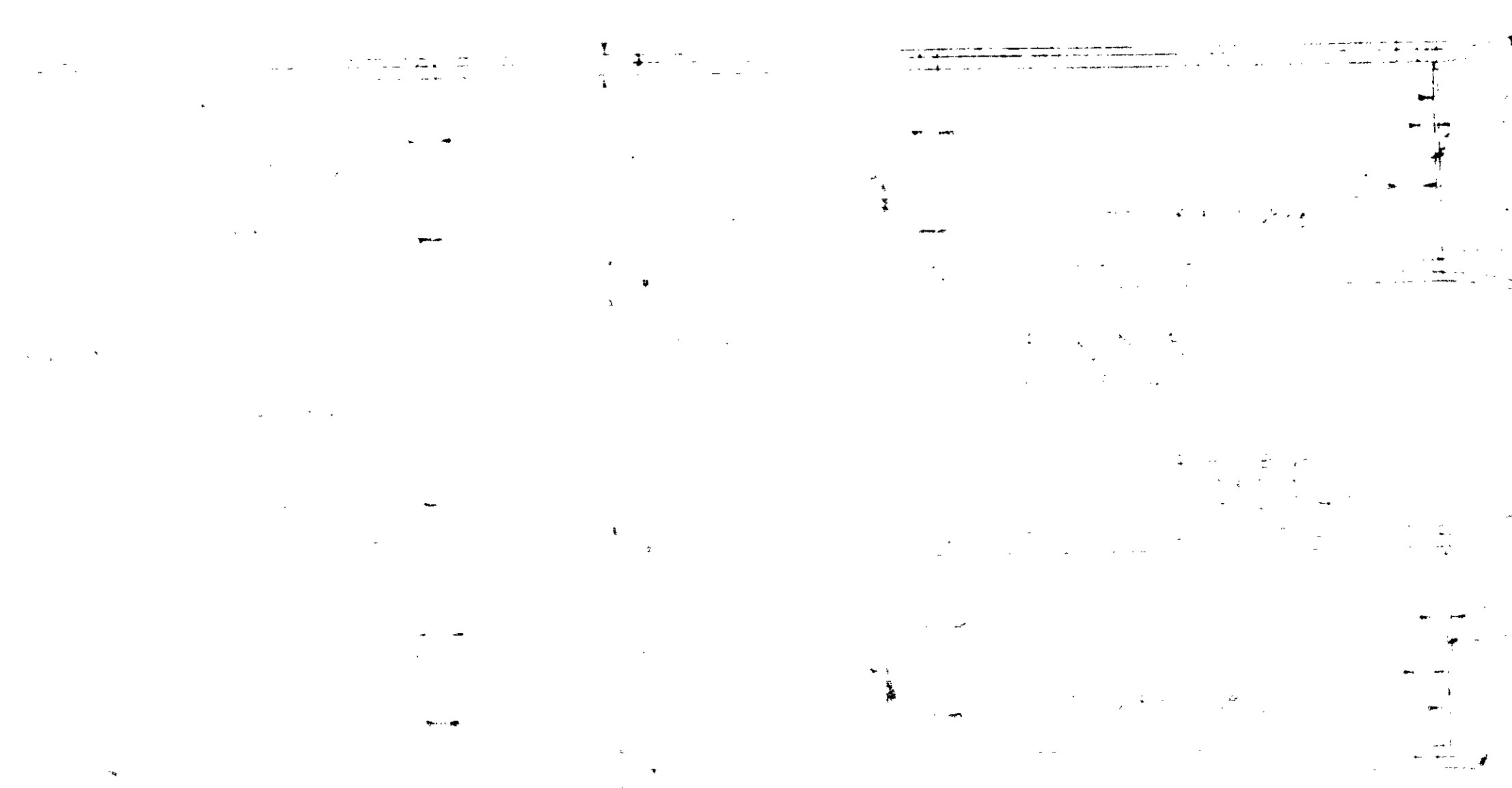
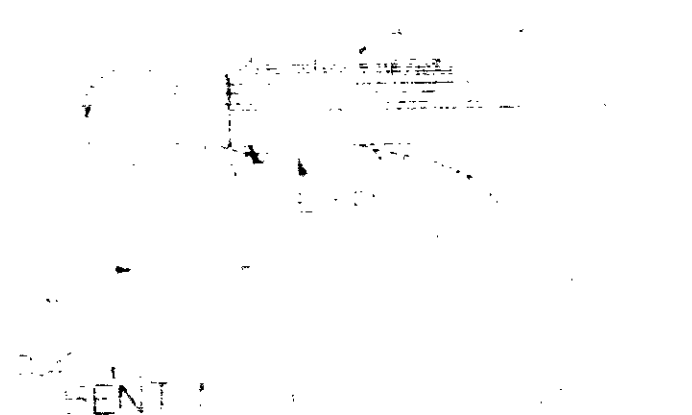
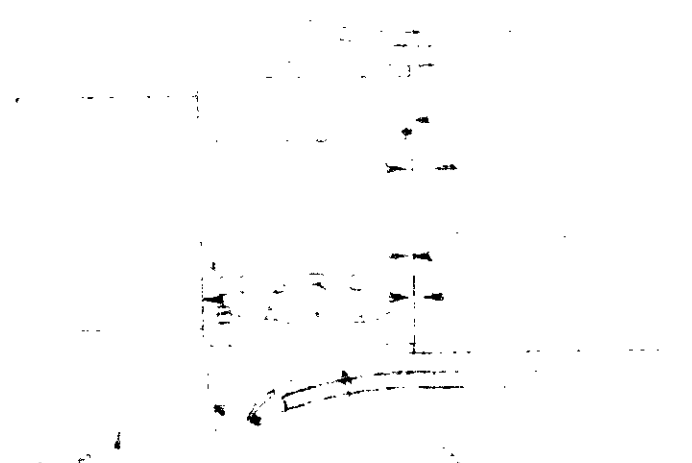
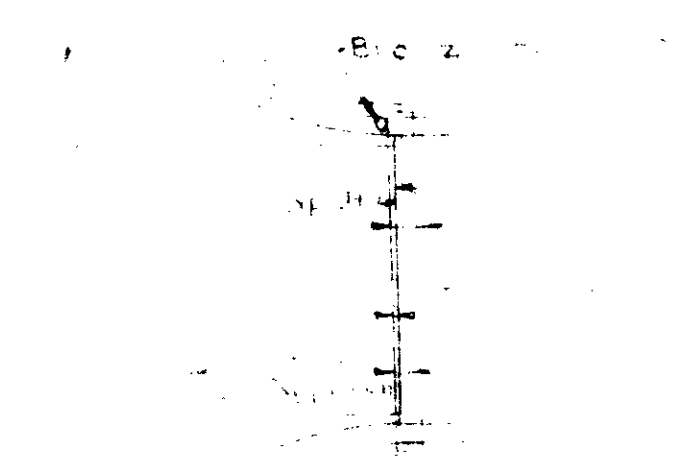




PROFILE OF PAVEMENT EDGES



STRUCTURE OF THE PHILIP... 1952



PLAN



SECTION DATA

SYMBOLS AND CROSS SECTION

STANDARD DRAWING

STANDARD DRAWING	
PURPOSE	
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# STRUCTURE DATA

FEDERAL ROAD DIVISION NO.	STATE	F-PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	875(0)	1961	43	160

STRUCTURE NUMBER	LOCATION	DESCRIPTION	LENGTH	SKEW	COVER	WINGS	FLOW LINE		CONCRETE CLASS	SPECIAL BORON GRADE	REMARKS	PLANS ON SHEET NO.
							UP STREAM ELEV.	DOWN STREAM ELEV.				
5	311+85										TO BE BUILT UNDER SEPARATE CONTRACT.	
116	253+00	INLET TYPE E-7 AND GROUP 'A' PIPE	68				762.5	0.29	9			
117	259+82	GROUP 'A' PIPE	148	15'			766.0	764.2	19		CONSTRUCT INLET AND OUTLET DITCHES.	
118	261+00	INLET TYPE E-7 AND GROUP 'A' PIPE	68				768.5	0.29	8		CONSTRUCT INLET AND OUTLET DITCHES.	
119	266+80	GROUP 'A' PIPE	148				773.0	0.80	13			
120	278+25	INLET TYPE E-7 AND GROUP 'A' PIPE	70				762.2	0.29	9			
121	281+30	GROUP 'B' PIPE	234		24'		732.1	725.0	3.18	75	Gage No. 5 BCCM WITH PI.	CONSTR. INLET & OUTLET DITCHES.
122	282+90	INLET TYPE E-7 AND GROUP 'A' PIPE	72				746.6	0.29	11			
123	291+40	INLET TYPE E-7 AND GROUP 'A' PIPE	72				716.0	0.29	10			
124	294+08L	STD. SPRING BOX AND GROUP 'A' PIPE	80				688.6	0.64	7			
125	300+00	INLET TYPE E-7 AND BCCM PIPE AND 2-22' BENDS	108				670.2	0.64	7			
126	306+50	BCCM PIPE AND 2-22' BENDS	74				664.4	0.64	6		NOT INCLUDED IN ROAD CONTRACT.	
127	309+00L	GROUP 'D' PIPE	60				672.0	0.80	6		NOT INCLUDED IN ROAD CONTRACT.	
128	309+00RH	GROUP 'D' PIPE	52				661.8	0.64	5		NOT INCLUDED IN ROAD CONTRACT.	
129	313+45	INLET TYPE E-7 AND BCCM PIPE AND 2-22' BENDS	96				675.0	0.64	5			
130	317+78 RH	C.M. PIPE	24				674.8	0.29	8			
131	317+85 LH	GROUP 'D' PIPE	28				674.8	0.80	8			
132	317+85 RH	GROUP 'D' PIPE	54				674.8	0.80	8			
133	317+92 RH	C.M. PIPE	20				675.0	0.58	8			
134	318+50	INLET TYPE E-7 AND GROUP 'A' PIPE	72				674.8	0.29	8			
135	322+50 LH	GROUP 'D' PIPE	60				677.7	0.80	8			
136	322+65 LH	C.M. PIPE	20				675.2	0.64	6			
137	323+25	INLET TYPE E-7 AND GROUP 'A' PIPE	76				680.0	0.69	13			
138	326+75 RH	GROUP 'D' PIPE	24				685.1	0.29	13			
139	329+00	INLET TYPE E-7 AND GROUP 'A' PIPE	76				681.6	0.64	8			
140	339+00	INLET TYPE E-7 AND GROUP 'A' PIPE	72				681.0	0.80	17		CONSTRUCT OUTLET DITCH	
141	342+50	GROUP 'A' PIPE	148		6'		686.4	0.29	7			
142	347+00	INLET TYPE E-7 AND GROUP 'A' PIPE	80				685.5	0.64	6			
143	352+00	INLET TYPE E-7 AND GROUP 'A' PIPE	66				687.4	0.58	8			
144	357+50 RH	C.M. PIPE	24				683.6	0.64	8			
145	358+50	INLET TYPE E-7 AND GROUP 'A' PIPE	72				683.2	1.55	15			
146	359+00	GROUP 'A' PIPE	154		5'		684.5	0.29	39		REMOVE 170' OF PIPE IN PLACE. CONNECT TO PIPE IN PLACE. HOWL. INLET END	
147	362+58 RH	C.M. PIPE	20				687.4	0.58	8			
148	365+00 LH	C.M. PIPE	20				687.4	0.58	8			
149	365+10	V.C. PIPE	225		T		687.2	1.24	30		CONSTRUCT OUTLET DITCH	
150	366+80	INLET TYPE F-7 AND GROUP 'A' PIPE	140	15'			694.5	1.55	21		GAGE NO. 8 T. & S. GAGE NO. 7 BOTTOM	
151	375+20 LH	C.M. PIPE	24				693.9	0.69	16			
152	375+27 LH	STRUCTURAL PLATE PIPE ARCH	68		1'		694.5	1.55	21			
153	375+27 RH	GROUP 'D' PIPE	48				694.5	0.29	8			
154	376+00	INLET TYPE E-7 AND GROUP 'A' PIPE	80				697.6	4.14	33			
155	382+50	GROUP 'A' PIPE	150		5'		704.4	0.29	8			
156	384+00	INLET TYPE E-7 AND GROUP 'A' PIPE	82				706.5	0.29	7		REMOVE PIPE IN PLACE	
157	389+60	GROUP 'A' PIPE	148		4'		704.0	0.80	5			
158	392+00	INLET TYPE E-7 AND GROUP 'A' PIPE	86				707.3	0.29	6		REMOVE PIPE IN PLACE	
159	399+00	INLET TYPE E-7 AND GROUP 'A' PIPE	68				713.3	0.29	6			
160	401+95 LH	C.M. PIPE	20				726.1	725.0	0.29	9		
161	402+09 LH	GROUP 'D' PIPE	60				737.5	735.0	0.64	8		
162	402+09 RH	GROUP 'D' PIPE	60				736.4	730.0	2.50	67		CONSTRUCT INLET AND OUTLET DITCHES
163	402+22 LH	C.M. PIPE	20				735.7	0.58	8		REMOVE PIPE IN PLACE	
164	403+00	INLET TYPE E-7 AND GROUP 'A' PIPE	68				742.0	0.80	8			
165	411+00	INLET TYPE E-7 AND GROUP 'A' PIPE	68				742.0	0.64	8			
166	419+00	INLET TYPE E-7 AND GROUP 'A' PIPE	66				752.5	751.5	0.29	9		CONNECT TO P.T. IN PLACE
167	426+00	INLET TYPE E-7 AND GROUP 'A' PIPE	68				751.5	0.29	9			
168	431+50	GROUP 'A' PIPE	262	4.5'	19'		743.0	740.0	3.55	122		CONNECT TO PIPE IN PLACE
169	431+50 LH	GROUP 'D' PIPE	38								(SEE PLATES: Gage No. 12 T. & S., Gage No. 10 50')	
170	431+50 RH	GROUP 'D' PIPE	46									
171	432+00	INLET TYPE E-7 AND GROUP 'A' PIPE	72									
172	438+62 LH	C.M. PIPE	6									
173	437+50	INLET TYPE E-7 AND GROUP 'A' PIPE	70									
174	445+53 LH	C.M. PIPE	10									
175	445+85	GROUP 'A' PIPE	200	15'	10'							

STRUCTURE NUMBER	LOCATION	DESCRIPTION	LENGTH	SKEW	COVER	WINGS	FLOW LINE		CONCRETE CLASS	SPECIAL BORON GRADE	REMARKS	PLANS ON SHEET NO.
							UP STREAM ELEV.	DOWN STREAM ELEV.				
176	446+50	INLET TYPE E-7 AND B.C.C.M. PIPE AND 2-22' BENDS	82				756.3	748.3	0.64	5		
177	450+00L	FRONT TIE AND 1-45' BEND	18				744.8	744.6	0.58		REMOVE PIPE IN PLACE. CONNECT TO PIPE IN PLACE	
178	450+00R	C.M. PIPE	20						0.58			
179	450+00	C.M. PIPE	20						0.58			
180	450+00	R.C.V.C. S.C.I. or CONC. PIPE	80				751.0	750.7	2.83	5	REMOVE F.T. IN PLACE. CONNECT TO F.T. IN PLACE	
181	450+00	C.M. PIPE	52				753.5	753.0	2.50	24	REMOVE STRUCTURE IN PLACE. CONSTRUCT OUTLET DITCH	
182	450+00	GROUP 'A' PIPE	116		4.5'	6'				3	REMOVE PIPE IN PLACE	
183	450+00	SEWER PIPE	140						0.58		REMOVE F.T.'S IN PLACE. CONNECT TO F.T.'S IN PLACE	
184	450+00	GROUP 'D' PIPE	28				761.0	756.1	1.55	12	REMOVE PIPE IN PLACE (IF GROUP 'A' PIPE TO BE SALVAGED WHEN TEMP. RUN AROUND IS REMOVED)	
185	450+00	GROUP 'A' PIPE	86				760.3	760.0	0.58		PIPE TO BE SALVAGED. NO MOVES REQ'D.	
186	462+00	INLET TYPE E-7 AND GROUP 'A' PIPE	84				764.5	756.0	0.29	16		
189	469+72 RH	GROUP 'HI' PIPE	66				761.6	0.64	7		REMOVE PIPE IN PLACE	
190	469+84 LH	GROUP 'HI' PIPE	24					5.00			REMOVE PIPE IN PLACE	
191	470+00	INLET TYPE E-7 AND GROUP 'A' PIPE	64				773.5	0.29	6			
192	475+60 RH	GROUP 'D' PIPE	20				780.4	780.0	0.29	10	REMOVE PIPE IN PLACE	
193	476+00	INLET TYPE E-7 AND GROUP 'A' PIPE	66						0.58			
194	475+00 RH	C.M. PIPE	24						0.58			
195	475+00 LH	C.M. PIPE	24						0.58			
196	475+00	C.M. PIPE	50				775.0		0.69			
197	490+60	INLET TYPE F-7 AND R.C. PIPE	99				774.0	774.0	2.50	13	EXTEND PIPE IN PLACE 9' ON L. AND 90' ON R. NO CHANGES REQ'D.	
198	494+93 LH	PIPE IN PLACE					773.5	771.6	31.40	61	10.543	EXTEND R.C. BOX IN PLACE 5' ON L. AND 88' ON R.
199	496+99	STANDARD R.C. BOX CULVERT	93		4'	W-W	775.5					
200	497+10	INLET TYPE E-7 AND GROUP 'A' PIPE	10								CONNECT TO STRUCTURE NO 199	
201	505+00	INLET TYPE E-7 AND GROUP 'A' PIPE	72				780.0	778.6	0.29	12		
202	512+58 RH	C.M. PIPE	20						0.58			

F-PROJ. NO.	SHEET NO.	FILE
875(0)	43	

