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STATE OF INDIANA  
INDIANA STATE HIGHWAY COMMISSION

PLAN AND PROFILE OF PROPOSED  
STATE HIGHWAY

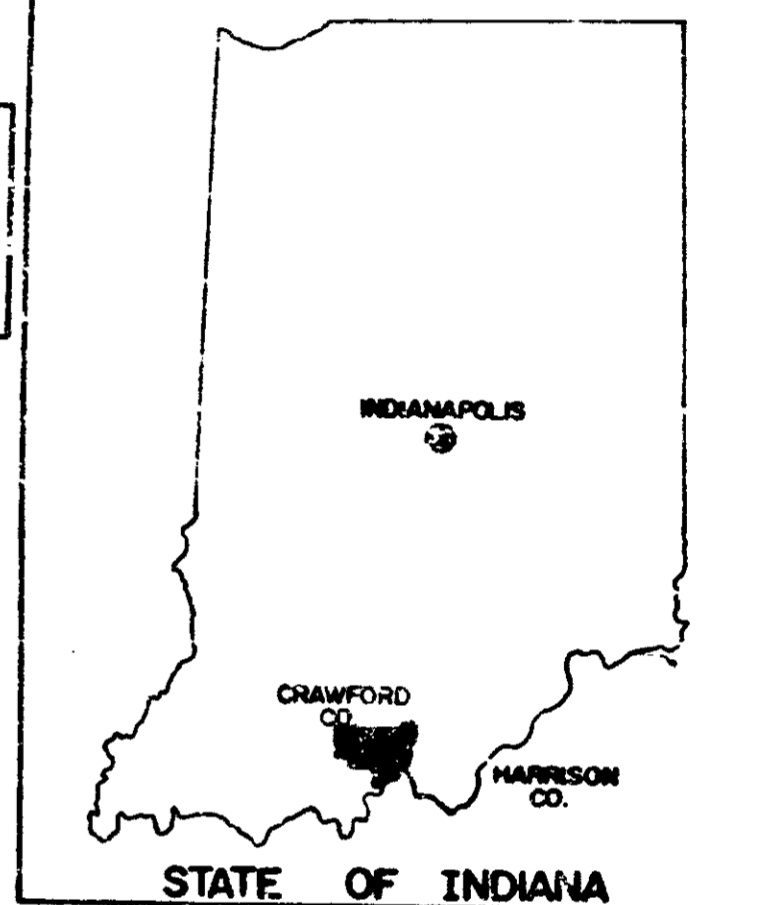
PROJECT NO. I-64-3 (30)86 P.E.  
(33)86 R/W  
(41)93 PAVING

BEGINNING AT A POINT ON THE SOUTH SEC. LINE AND APPROX. 1790' WEST OF THE SOUTHEAST CORNER OF SEC. 23, T35, R1E AND RUNNING IN AN EASTERLY DIRECTION A DISTANCE OF APPROX. 28,365.2' TO A POINT APPROX. 1600' WEST OF CRAWFORD & HARRISON CO. LINE & APPROX. 1675' NORTH OF THE SOUTH SEC. LINE OF SEC. 15, T 35, R 2 E. SAID LINE LIES IN CRAWFORD COUNTY

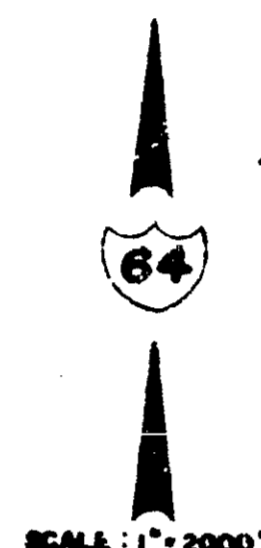
FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-64-3(41)93	1970	1	26

DESIGN DATA	
A.D.T. (1969)	6448 V.P.D.
A.D.T. (1989) PROJECTED	12,163 V.P.D.
D.H.V. (1989)	1984 V.P.H.
DIRECTIONAL DISTRIBUTION	51%
TRUCKS D.H.V. 10% ADT 20%	
DESIGN SPEED	70 M.P.H.
ACCESS CONTROL	FULL

LOCATION MAP



NOTE: These Plans have been Revised Nov. 1969 to include the Special Criteria of Highway Design and Operational Practices Related to Highway Safety dated February, 1967.



GROSS LENGTH:- 5.372 MI.  
NET LENGTH:- 5.372 MI.  
SCALES:-  
PLAN { LONG:- 1"=100' PROFILE { HORIZ:- 1"=100'  
{ TRANS:- 1"=100' { VERT:- 1"=10'  
MAX. GRADE -4.00%  
+3.00%

NOTE: STRUCTURES 1,2,3&4 TO BE BUILT UNDER GRADING PROJECT. STRUCTURE 5 TO BE BUILT UNDER SEPARATE CONTRACT.

END PROJ. I-64-3(41)93  
STA. 484+00.00 B  
STA. 484+00.00 BL  
BEGIN PROJ. I-64-3(33)93 SEC. A  
STA. 484+00.00 B  
STA. 484+00.00 BL

\* INDICATES STANDARDS NOT YET APPROVED BY BUREAU OF PUBLIC ROADS.

REVISIONS

SHEET NO.	DATE	REVISED

BEGIN PROJ. I-64-3(41)93  
STA. 198+50.00 LINE 'B' AHEAD  
STA. 201+50.00 LINE 'BL' AHEAD  
END PROJ. I-64-3(39)86  
STA. 198+50.00 LINE 'B' BACK  
STA. 201+50.00 LINE 'BL' BACK

EQUATION:  
STA. 221+94.19 'BL' BACK  
STA. 221+90.00 'BL' AHEAD

EQUATION:  
STA. 246+10.65 'BL' BACK  
STA. 247+03.33 'B' AHEAD

EQUATION:  
STA. 277+06.03 'BL' BACK  
STA. 277+50.65 'BL' AHEAD

EQUATION:  
STA. 369+62.40 'B' BACK  
STA. 369+65.00 'B' AHEAD

EQUATION:  
STA. 381+00.00 'B' BACK  
STA. 381+00.00 'B' AHEAD

EQUATION:  
STA. 384+00.00 'BL' BACK  
STA. 384+00.00 'BL' AHEAD

STRUCTURE NO. 1  
PROJ. I-64-3(40)93  
BRIDGE NO. 56-15-5684 S  
NO EXCEPTION

STRUCTURE NO. 2  
PROJ. I-64-3(40)93  
BRIDGE NO. 1-64-95-5685  
NO EXCEPTION

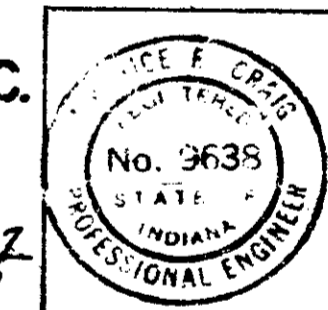
STRUCTURE NO. 3  
PROJ. I-64-3(40)93  
BRIDGE NO. 1-64-95-5686  
NO EXCEPTION

STRUCTURE NO. 4  
PROJ. I-64-3(40)93  
BRIDGE NO. 1-64-97-5687 S (E.B. & W.B.)  
NO EXCEPTION

STRUCTURE NO. 5  
PROJ. I-64-3(17)100  
BRIDGE NO. 1-64-100-5688 S  
EXCEPTION: STA. 679+32.09  
TO STA. 683+22.16

THESE PLANS PREPARED BY  
FINK, ROBERTS & PETRIE, INC.  
CONSULTING ENGINEERS  
INDIANAPOLIS, INDIANA

CERTIFIED BY *Maurice Craig* DATE 12-15-67  
Safety Div. 6-6-70



CRAWFORD COUNTY

HARRISON COUNTY

SPENCER TWP  
HARRISON TWP

SPENCER TWP  
HARRISON TWP

WHITE CLOUD

STATE HIGHWAY COMMISSION OF INDIANA.  
STANDARD SPECIFICATIONS DATED 1974  
TO BE USED WITH THESE PLANS.



FEDERAL HIGHWAY ADMINISTRATION  
DEPARTMENT OF TRANSPORTATION

APPROVED  
DIVISION ENGINEER  
DATE

ROAD FILE:-

PROJECT NO.	SHEET NO.	TOTAL SHEETS	FILE
I-64-3(41)93	1	26	



# TYPICAL CROSS SECTION STATIONING

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-64-3(1)93	1970	2A	

## EASTBOUND LANE

STATION TO STATION	LINE	PAVEMENT SECTION #	MEDIAN SECTION #
198+50 to 199+35	"B"	12'LL 20'RI	
199+35 to 200+50	"B"	12	
200+50 to 211+30	"B"	8	
211+30 to 212+61.40	"B"	20	
212+61.40 to 233+50	"B"	17	
233+50 to 235+92.00	"B"	3	
235+92.00 to 242+50	"B"	7	
242+50 to 247+103.33	"B"	11	
247+103.33 to 249+75	"B"	4	
249+75 to 256+85	"B"	3	
256+85 to 261+50.15	"B"	4	
261+50.15 to 262+100	"B"	4	
262+100 to 262+163.24	"B"	3	
262+163.24 to 266+25	"B"	8	
266+25 to 271+75	"B"	8	
271+75 to 277+36.24	"B"	8	
277+36.24 to 288+100	"B"	3	
288+100 to 291+50	"B"	17	
291+50 to 294+60	"B"	4'LL 17'RI	
294+60 to 295+25	"B"	4'LL 3'RI	
295+25 to 298+75	"B"	17	
298+75 to 301+100	"B"	4'LL 17'RI	
301+100 to 302+120	"B"	4	
302+120 to 309+100	"B"	17	
309+100 to 317+01.00	"B"	4	
317+01.00 to 321+50	"B"	19	
321+50 to 325+75	"B"	19	
325+75 to 327+100	"B"	19	
327+100 to 328+60	"B"	7	
328+60 to 329+173.48	"B"	11	
329+173.48 to 336+75	"B"	4	
336+75 to 338+15	"B"	3	
338+15 to 342+25	"B"	4	
342+25 to 343+35	"B"	3'LL 4'RI	
343+35 to 346+195.30	"B"	4	
346+195.30 to 349+110	"B"	12	
349+110 to 351+50	"B"	8	
351+50 to 360+40.30	"B"	12	
360+40.30 to 363+85	"B"	4	
363+85 to 365+100	"B"	3	
365+100 to 372+30	"B"	17	
372+30 to 372+65	"B"	3	
372+65 to 375+50	"B"	4	
375+50 to 376+50	"B"	3	
376+50 to 379+50	"B"	4	
379+50 to 389+62.40	"B"	17	
EQ: 389+62.40 (Back)			
= 389+65.00 (Ahead)			
389+65 to 390+50	"B"	17	
390+50 to 398+60	"B"	4	
398+60 to 399+25	"B"	17	
399+25 to 402+93.11	"B"	17	
402+93.11 to 408+75	"B"	19	
408+75 to 411+50	"B"	19	
411+50 to 417+57.55	"B"	19	
417+57.55 to 418+99.33	"B"	19	
418+99.33 to 423+50	"B"	17	
423+50 to 429+125	"B"	4	
429+125 to 443+18.91	"B"	4	
443+18.91 to 458+100	"B"	12	
458+100 to 459+128.24	"B"	20	
459+128.24 to 477+100	"B"	17	
477+100 to 477+73.78	"B"	3	
477+73.78 to 479+50	"B"	7	
479+50 to 484+00	"B"	19	
484+00 to 489+69.61	"B"	11	
489+69.61 to 495+50	"B"	4	
495+50 to 502+14.00	"B"	3	
502+14.00 to 507+35	"B"	8	
507+35 to 512+98.24	"B"	8	
512+98.24 to 513+35	"B"	3	
513+35 to 514+30	"B"	3	

STATION TO STATION	LINE	PAVEMENT SECTION #	MEDIAN SECTION #
519+30 to 524+102.27	"B"	4	
524+102.27 to 530+75	"B"	11	
530+75 to 532+00	"B"	7	
532+00 to 539+57.83	"B"	19	
539+57.83 to 547+100	"B"	4	
547+100 to 548+50	"B"	3	
548+50 to 550+100	"B"	4	
550+100 to 554+41.85	"B"	17	
554+41.85 to 561+100	"B"	20	
561+100 to 567+100	"B"	12	
EQ: 567+100.00 (Back)			
= 566+99.05 (Ahead)			
566+99.05 to 570+150	"B"	12	
570+150 to 573+50	"B"	8	
573+50 to 574+70	"B"	12	
574+70 to 580+84.31	"B"	12	
580+84.31 to 582+172.05	"B"	4	
582+172.05 to 589+145	"B"	4	
589+145 to 593+32.34	"B"	17	
EQ: 593+32.34 (Back)			
= 593+32.25 (Ahead)			
593+32.25 to 608+50	"B"	9	
608+50 to 609+80.82	"B"	7	
609+80.82 to 620+25	"B"	4	
620+25 to 622+105.07	"B"	17	
622+105.07 to 628+120	"B"	20	
628+120 to 649+64.55	"B"	12	
649+64.55 to 659+115.91	"B"	4	
STRUCTURE			
663+72.16 to 663+140	"B"	3	
663+140 to 671+50	"B"	17	
671+50 to 674+65	"B"	3	
674+65 to 680+23.64	"B"	4	
680+23.64 to 682+133.43	"B"	4	
682+133.43 to 690+55	"B"	12	
690+55 to 693+175	"B"	12	
693+175 to 695+50	"B"	8	
695+50 to 699+53.43	"B"	20	
699+53.43 to 707+150	"B"	17	
707+150 to 713+31.61	"B"	4	
713+31.61 to 716+140	"B"	11	
716+140 to 718+120	"B"	7	
718+120 to 720+150	"B"	11	
720+150 to 726+175	"B"	7	
726+175 to 730+135	"B"	11	
730+135 to 731+25	"B"	7	
731+25 to 736+25	"B"	11	
736+25 to 737+25	"B"	7	
737+25 to 738+100	"B"	11	
738+100 to 741+00.04	"B"	11	
741+00.04 to 742+11.41	"B"	4	
EQ: 742+11.41 (Back)			
= 1122+140.27 (Ahead)			

## WESTBOUND LANE

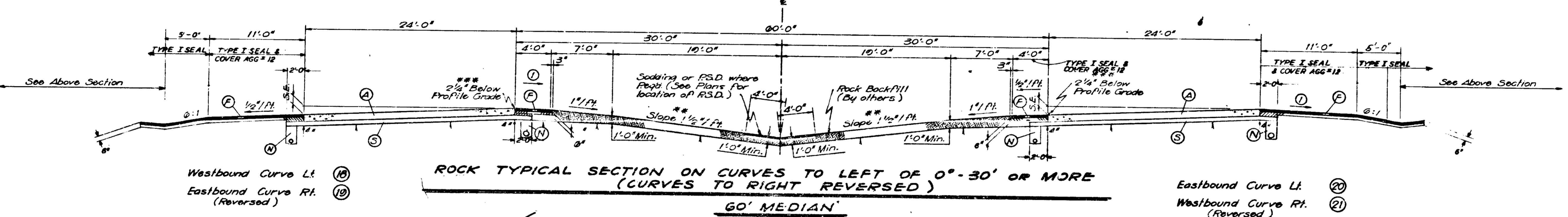
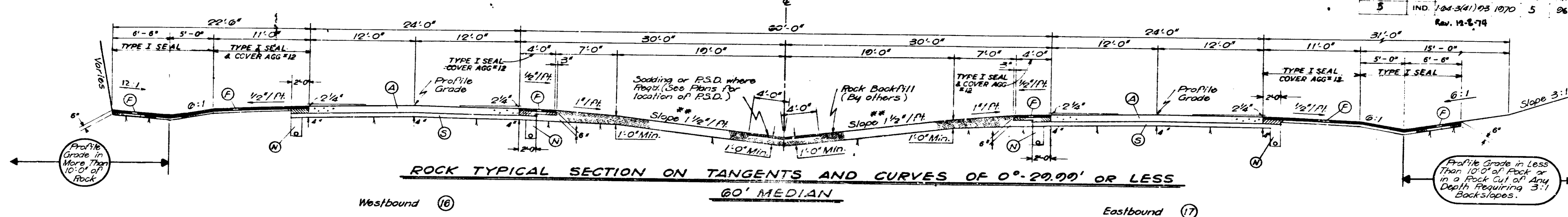
STATION TO STATION	LINE	PAVEMENT SECTION #	MEDIAN SECTION #
201+50 to 207+185	"BL"	13	
207+185 to 208+70	"BL"	15'LL 10'RI	
208+70 to 209+56.88	"BL"	10	
209+56.88 to 213+100	"BL"	5	
213+100 to 221+91.19	"BL"	16	
EQ: 221+91.19 (Back)			
= 221+90.00 (Ahead)			
221+90 to 223+80	"BL"	16	
223+80 to 227+105.08	"BL"	2'LL 16'RI	
227+105.08 to 228+115	"BL"	9'LL 21'RI	
228+115 to 231+00	"BL"	13'LL 9'RI	
231+00 to 235+75	"BL"	9	
235+75 to 238+185	"BL"	13'LL 9'RI	
238+185 to 241+50	"BL"	13	
241+50 to 243+24.69	"BL"	13	
243+24.69 to 246+110.65	"BL"	5	
EQ: 246+110.65 (Back)			
= 247+103.33 (Ahead)			
247+103.33 to 261+50.15	"B"	2	
EQ: 261+50.15 (Back)			
= 261+50.15 (Ahead)			
261+50.15 to 266+150	"BL"	6	
266+150 to 268+150	"BL"	15'LL 6'RI	
268+150 to 274+75	"BL"	15	
274+75 to 277+106.03	"BL"	8	
EQ: 277+106.03 (Back)			
= 277+150.86 (Ahead)			
277+150.86 to 295+170	"BL"	15	
295+170 to 304+100	"BL"	5	
304+100 to 308+150	"BL"	5'LL 16'RI	
308+150 to 313+76.21	"BL"	5	
EQ: 313+76.21 (Back)			
= 313+30.20 (Ahead)			
313+30.20 to 321+115	"BL"	13	
321+115 to 328+150	"BL"	9	
328+150 to 329+25.44	"BL"	13	
329+25.44 to 329+185.19	"BL"	5	
EQ: 329+185.19 (Back)			
= 329+173.48 (Ahead)			
329+173.48 to 335+50	"B"	5	
335+50 to 339+135	"B"	2	
339+135 to 341+50	"B"	5	
341+50 to 342+135	"B"	2	
342+135 to 346+195.30	"B"	16'LL 2'RI	
346+195.30 to 351+20	"B"	18	
351+20 to 354+35	"B"	18	
354+35 to 355+20	"B"	6	
355+20 to 360+40.30	"B"	10	
360+40.30 to 362+150	"B"	5	
362+150 to 365+100	"B"	2	
365+100 to 372+150	"B"	16	
372+150 to 376+185	"B"	16	
376+185 to 379+150	"B"	16'LL 5'RI	
379+150 to 389+62.40	"B"	16	
EQ: 389+62.40 (Back)			
= 389+65.00 (Ahead)			
389+65.00 to 399+175	"B"	5	
399+175 to 401+50	"B"	2	
401+50 to 402+93.11	"B"	16	
EQ: 402+93.11 (Back)			
= 402+93.11 (Ahead)			
402+93.11 to 408+75	"BL"	21	
408+75 to 412+50	"BL"	13	
412+50 to 417+57.55	"BL"	21	
417+57.55 to 419+50	"BL"	5'LL 2'RI	
419+50 to 423+100	"BL"	2	
423+100 to 429+135	"BL"	5	
429+135 to 433+25	"BL"	5	
433+25 to 434+50	"BL"	2	
434+50 to 441+172	"BL"	16	
441+172 to 454+100	"BL"	8	
454+100 to 461+87.82	"BL"	10	
461+87.82 to 465+75	"BL"	5	
465+75 to 477+96.62	"BL"	2	
477+96.62 to 482+50	"BL"	8	

STATION TO STATION	LINE	PAVEMENT SECTION #	MEDIAN SECTION #
482+50 to 484+00	"BL"	13'LL 9'RI	
484+00 to 490+100	"BL"	9	
490+100 to 493+104.62	"BL"	13	
493+104.62 to 494+50	"BL"	5	
494+50 to 502+96.79	"BL"	2	
502+96.79 to 511+50	"BL"	10	
511+50 to 514+96.70	"BL"	6	
514+96.70 to 522+150	"BL"	2	
522+150 to 525+162.74	"BL"	2'LL 5'RI	
525+162.74 to 526+50	"BL"	2'LL 13'RI	
526+50 to 528+50	"BL"	9	
528+50 to 535+75	"BL"	13	
535+75 to 539+150	"BL"	21	
539+150 to 541+11.41	"BL"	13	
541+11.41 to 545+50	"BL"	2	
545+50 to 550+25	"BL"	18	
550+25 to 551+50	"BL"	2	
551+50 to 552+50	"BL"	5	
552+50 to 554+75	"BL"	16	
554+75 to 558+101.39	"BL"	5	
558+101.39 to 559+75	"BL"	0	
559+75 to 576+150	"BL"	18	
576+150 to 578+75	"BL"	12	
578+75 to 580+50	"BL"	8'LL 6'RI	
580+50 to 581+75	"BL"	4'LL 10'RI	
581+75 to 584+48.06	"BL"	10	
EQ: 584+48.06 (Back)			
= 582+72.05 (Ahead)			
582+72.05 to 584+65	"B"	5	
584+65 to 586+100	"B"	2'LL 5'RI	
586+100 to 588+130	"B"	16'LL 5'RI	
588+130 to 588+80	"B"	16'LL 2'RI	
588+80 to 593+32.34	"B"	16	
EQ: 593+32.34 (Back)			
= 593+34.25 (Ahead)			
593+34.25 to 609+60.92	"B"	21	
609+60.92 to 612+30	"B"	16'LL 2'RI	
612+30 to 613+100	"B"	2'LL 5'RI	
613+100 to 615+100	"B"	5	
615+100 to 620+25	"B"	16'LL 2'RI	
620+25 to 622+105.07	"B"	16	
622+105.07 to 628+120	"B"	18	
628+120 to 649+64.55	"B"	10	
649+64.55 to 659+132.09	"B"	5	
STRUCTURE			
663+72.66 to 672+125	"B"	16	
672+125 to 673+50	"B"	16'LL 2'RI	
673+50 to 675+25	"B"	2	
675+25 to 680+23.64	"B"	5	
EQ: 680+23.64 (Back)			
= 680+23.64 (Ahead)			
680+23.64 to 680+75	"BL"	10	
680+75 to 683+75	"BL"	6	
683+75 to 685+50	"BL"	10	
685+50 to 689+75	"BL"	6	
689+75 to 690+50	"BL"	10	
690+50 to 694+23.64	"BL"	10	
694+23.64 to 706+15	"BL"	16	
706+15 to 708+100	"BL"	16'LL 5'RI	
708+100 to 710+29.68	"BL"	5	
710+29.68 to 713+25	"BL"	13	
713+25 to 728+50	"BL"	2	
728+50 to 738+160	"BL"	13	
738+160 to 739+75.74	"BL"	13	
739+75.74 to 742+170	"BL"	5	
EQ: 742+170.00 (Back)			
= 1122+134.28 (Ahead)			

## DETAILS

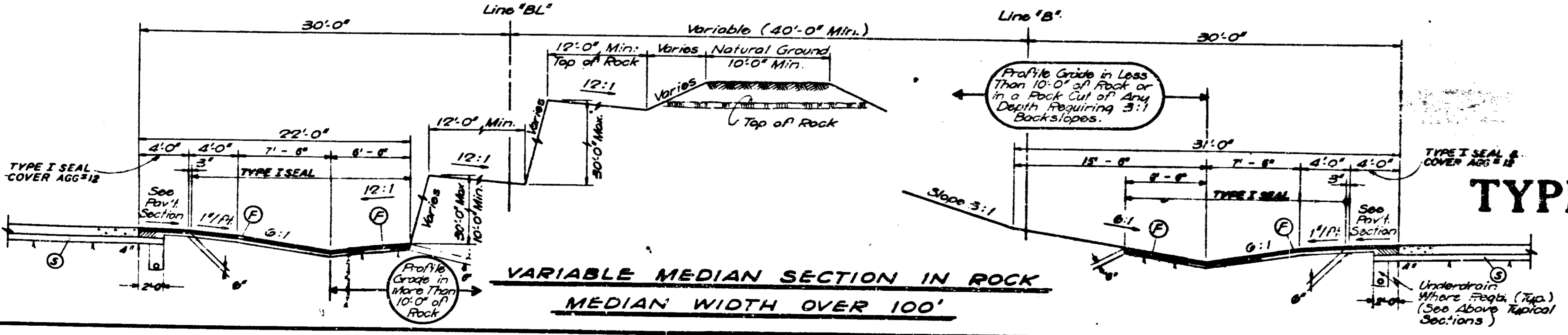
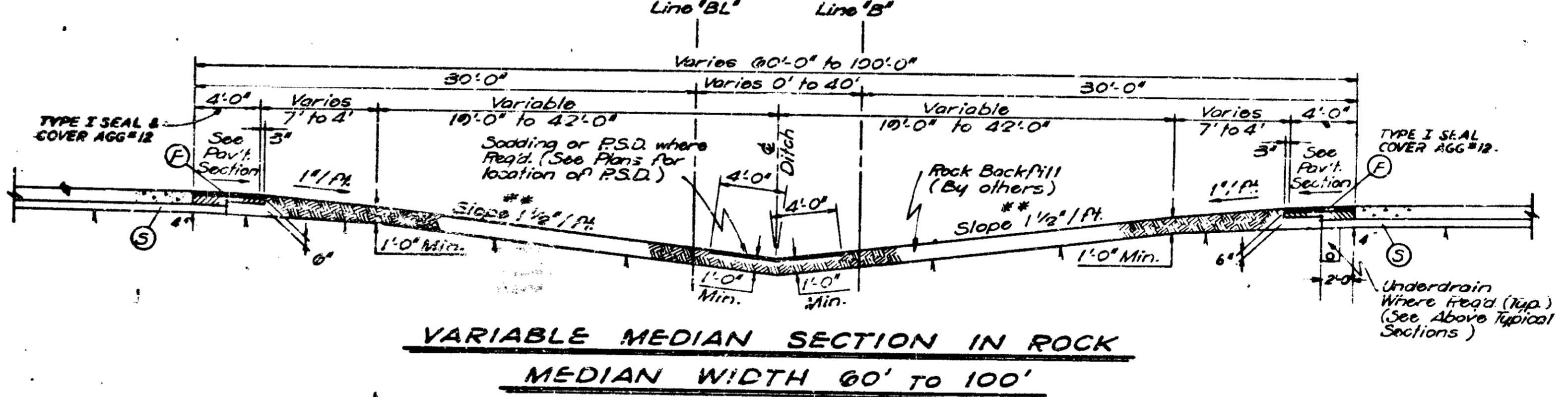
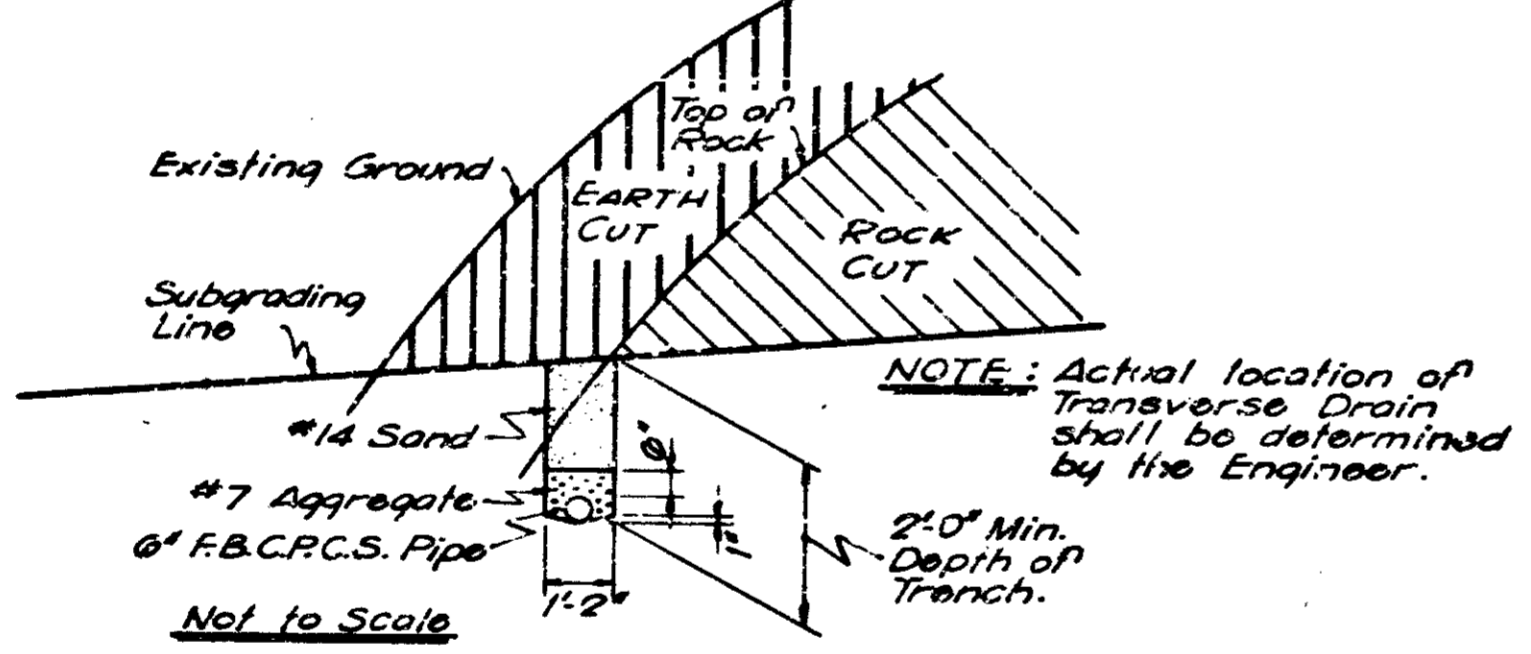
**NOTE:** Median Section to be completed with Grading Project.





**LEGEND**

- (A) 11" RC Pavement
- (F) 6" Bituminous Shoulder TYPE "A"
- (S) 4" BIT. STABILIZED SUBBASE
- (N) Underdrain - For Details see Misc. Standard Sheet "M.N."
- T Designates Surface of Exposed Rock.
- \*\* Min. Slope 1'/ft. Max. Slope 2'/ft. For Special Center Ditch.
- \*\*\* For Axis of Superelevation, see Special Detail in the Plans.
- (1) Slope 1/2'/ft. for 0°-30' to 1°-20.00' Slope 1/4'/ft. for 1°-30' to 1°-50.00' Slope 0'/ft. for 2°-00' and over.



NOTE: For Stationing, see "Typical Cross Sections Stationing" Table.

**PAVING TYPICAL CROSS SECTIONS**

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

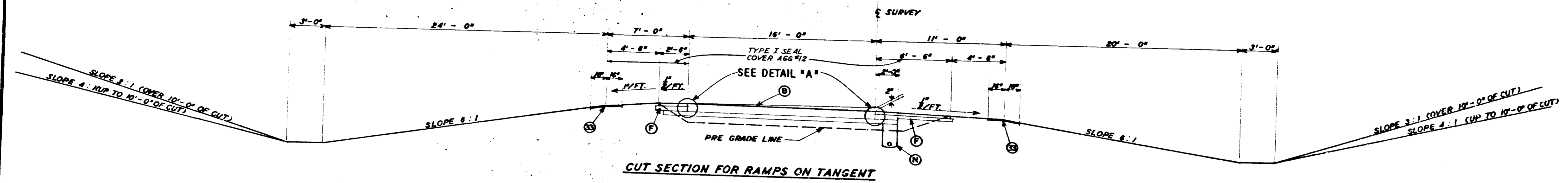
SUBMITTED FOR APPROVAL 7/25/70

J.R. York

1-64-3(4)93

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-64-3(4)93		6	96

REV. 11-2-74

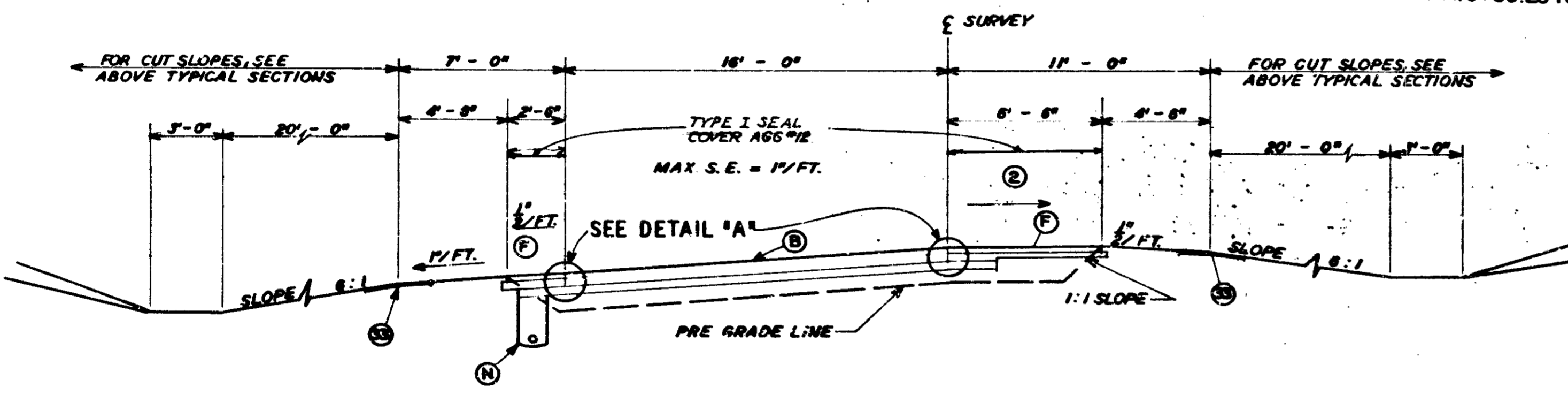


**CUT SECTION FOR RAMPS ON TANGENT**

\*N W R\* STA. 6+01.54 TO STA. 7+40  
 \*S E R\* STA. 6+85.28 TO STA. 6+80

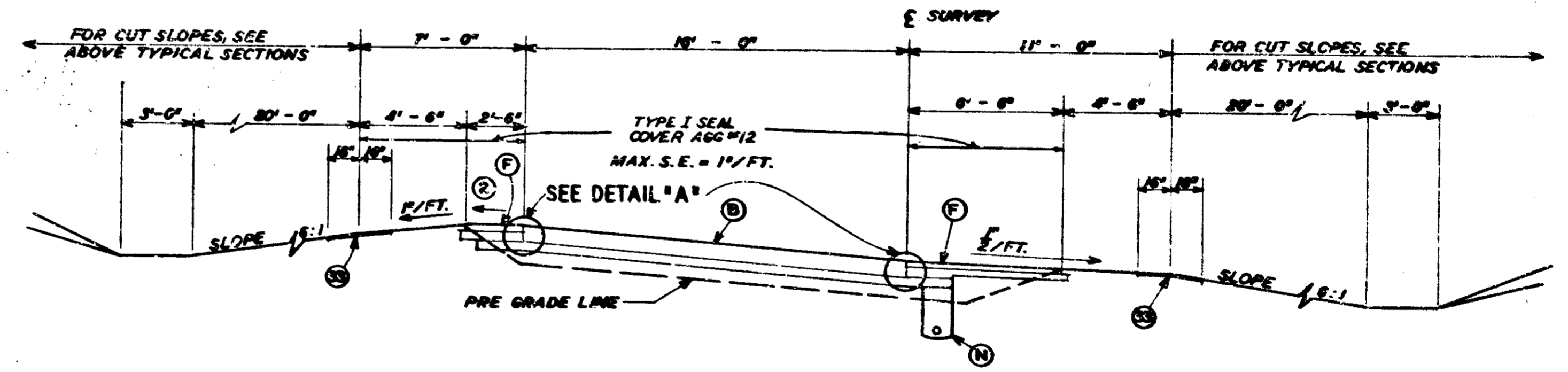
**LEGEND**

- (F) 6" BIT. BASE #53 B
- (N) UNDERDRAW - FOR DETAILS SEE MISC. STD. SHEET "M N"
- (B) 8" R.C. ON 4" OF BIT. STABILIZED SUBBASE
- (S) SODDING
- (2) SLOPE 1/2" / FT. - RATE OF S.E. UP TO 0.04" / FT.  
 SLOPE 1/4" / FT. - RATE OF S.E. 0.04" / FT. TO 0.08" / FT.  
 SLOPE 0" / FT. - RATE OF S.E. 0.08" / FT. AND GREATER
- ▲▲ INDICATES SURFACE OF EXPOSED ROCK



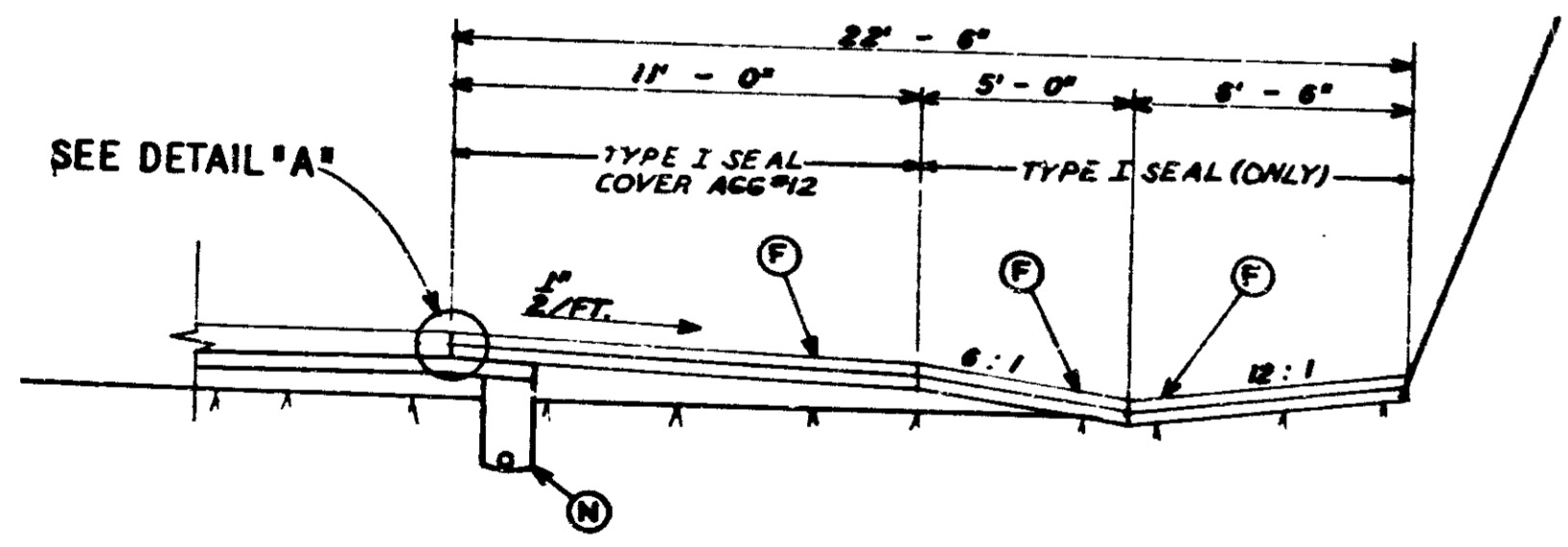
**CUT SECTION FOR RAMP CURVES SUPERELEVATED TO LEFT**

\*N W R\* STA. 3+25 TO STA. 6+01.54  
 \*S E R\* STA. 4+25 TO STA. 6+85.28



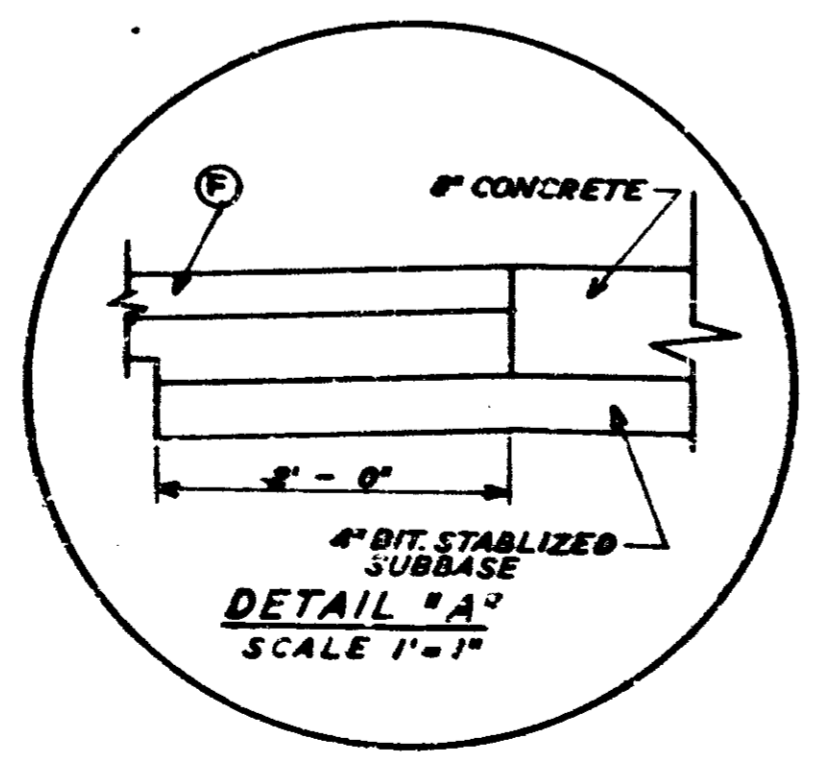
**CUT SECTION FOR RAMP CURVES SUPERELEVATED TO RIGHT**

\*N E R\* STA. 267+90.25 \*B L\* TO STA. 8+97.47 \*N E R\*  
 STA. 8+97.47 TO STA. 14+50  
 \*S W R\* STA. 9700.72 TO STA. 15+75



**SECTION IN ROCK CUT ON RIGHT**

\*B W R\* STA. 5+00 TO 8+00.72



**DETAIL "A"**

SCALE 1" = 1'

S. R. 66 INTERCHANGE RAMPS - PAVING  
**TYPICAL CROSS SECTIONS**

SCALE: 1/4" = 1'-0"

RECOMMENDED FOR APPROVAL 12-17-73

*Byron R. Bush*



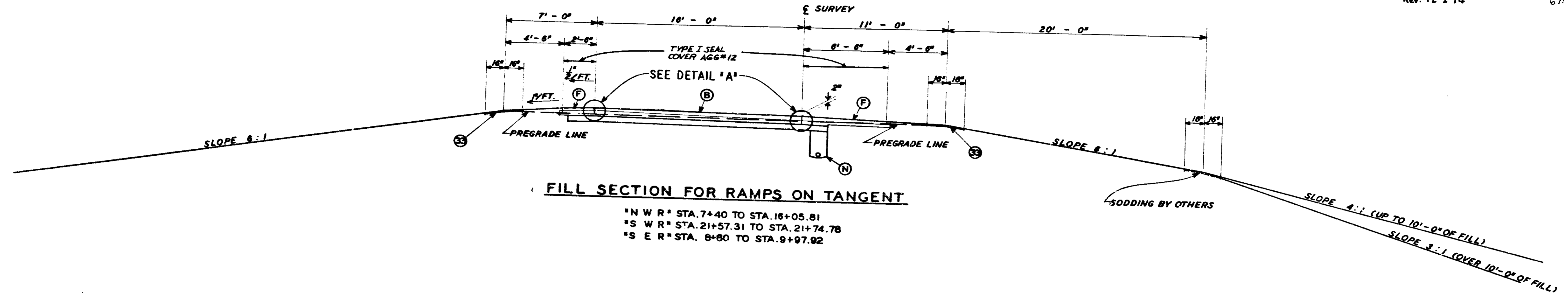
DECEMBER 1968

PROJECT NO.	LINE	DATE	BY	FILE
1-64-3(4)93				

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-64-364193		6A	96

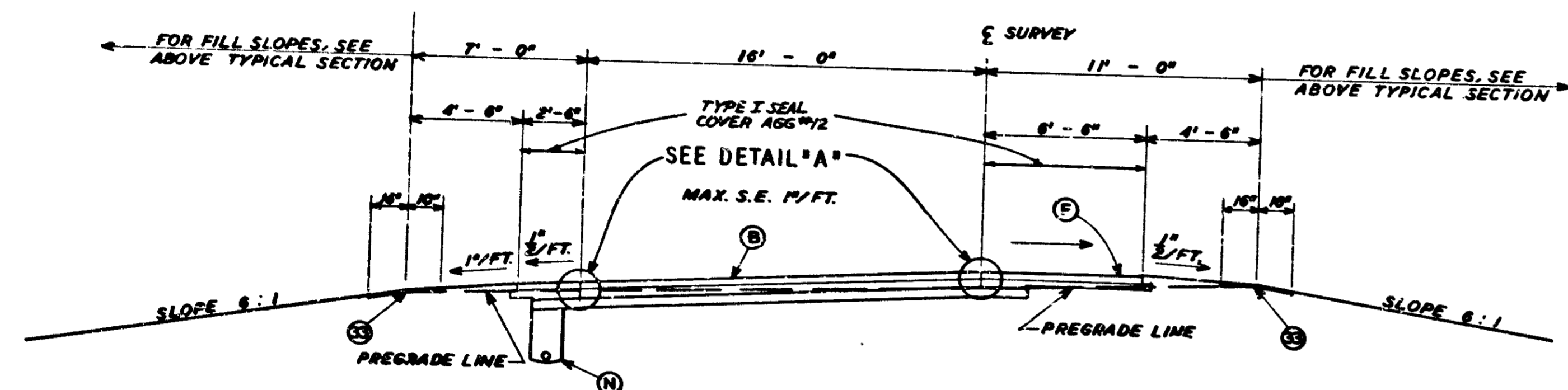
Rev. 12-2-74

6A



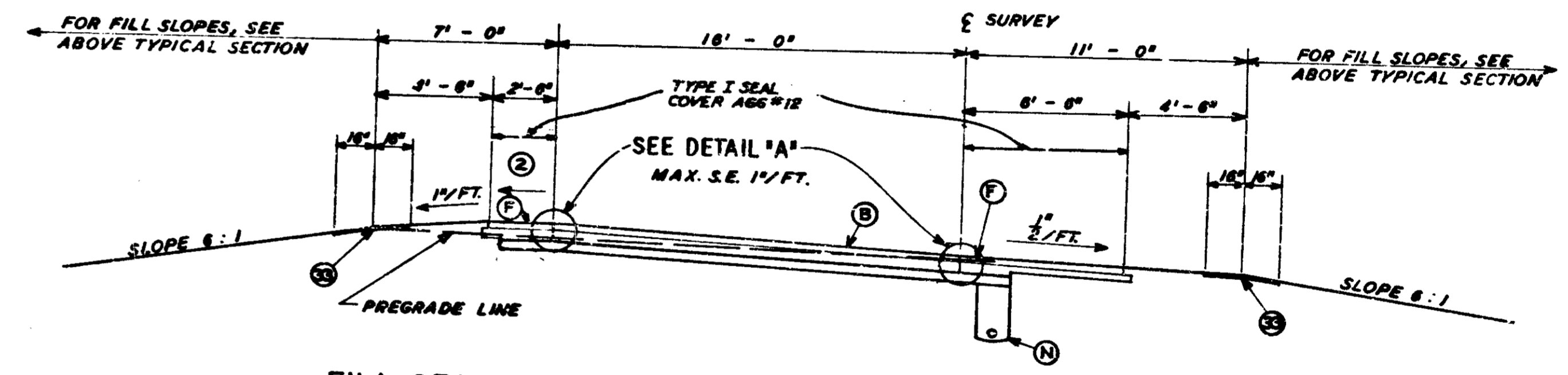
**FILL SECTION FOR RAMPS ON TANGENT**

\*N W R\* STA. 7+40 TO STA. 16+05.81  
 \*S W R\* STA. 21+57.31 TO STA. 21+74.78  
 \*S E R\* STA. 8+80 TO STA. 9+97.92



**FILL SECTION FOR RAMP CURVES SUPERELEVATED TO LEFT**

\*N W R\* STA. 1+27.90 TO STA. 3+25  
 \*S E R\* STA. 1+27.90 TO STA. 4+25

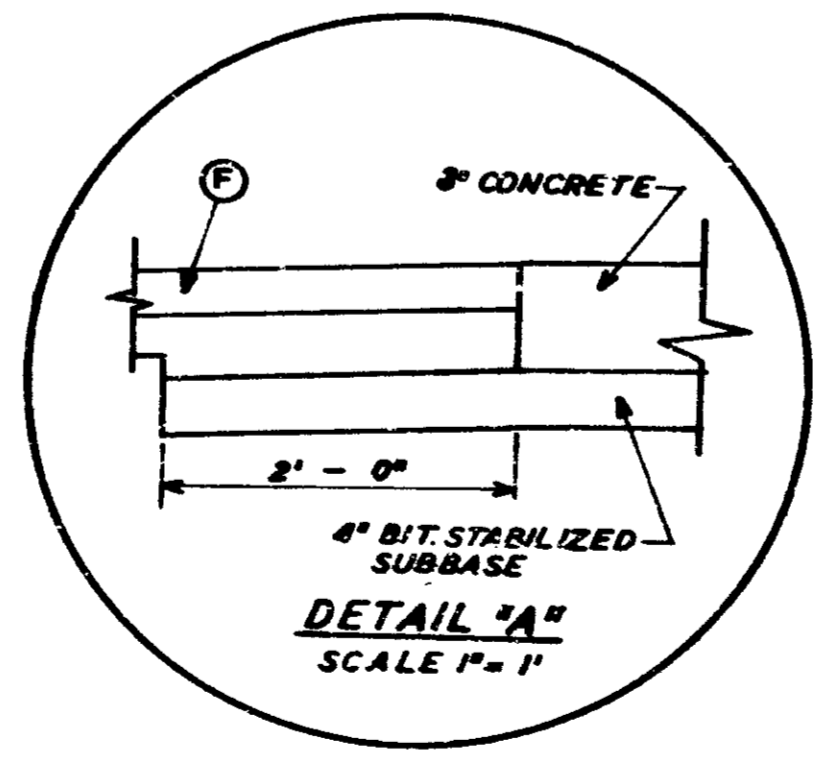


**FILL SECTION FOR RAMP CURVES SUPERELEVATED TO RIGHT**

\*N W R\* STA. 16+05.81 TO STA. 19+37.48  
 \*N E R\* STA. 14+50 TO STA. 20+61.85  
 \*S W R\* STA. 15+75 TO STA. 21+57.31  
 \*S E R\* STA. 9+97.92 TO STA. 16+29.03

**LEGEND**

- (F) 6" BIT. BASE # 536 WITH TYPE I SEAL COVER AGG # 12 CONDULETS
- (N) UNDERDRAM FOR DETAILS SEE MISC. STD. SHEET "M N"
- (B) 8" R.C. PAVEMENT ON 4" BIT STABILIZED BASE
- (S) SODDING
- (2) SLOPE 1/2"/FT. RATE OF S.E. UP TO 0.04"/FT.  
 SLOPE 1/4"/FT. RATE OF S.E. 0.041"/FT. TO 0.081"/FT.  
 SLOPE 0"/FT. RATE OF S.E. 0.081"/FT. AND GREATOR



S. R. 66 INTERCHANGE RAMPS  
 PAVING  
**TYPICAL CROSS SECTIONS**

SCALE: 1/4" = 1'-0"

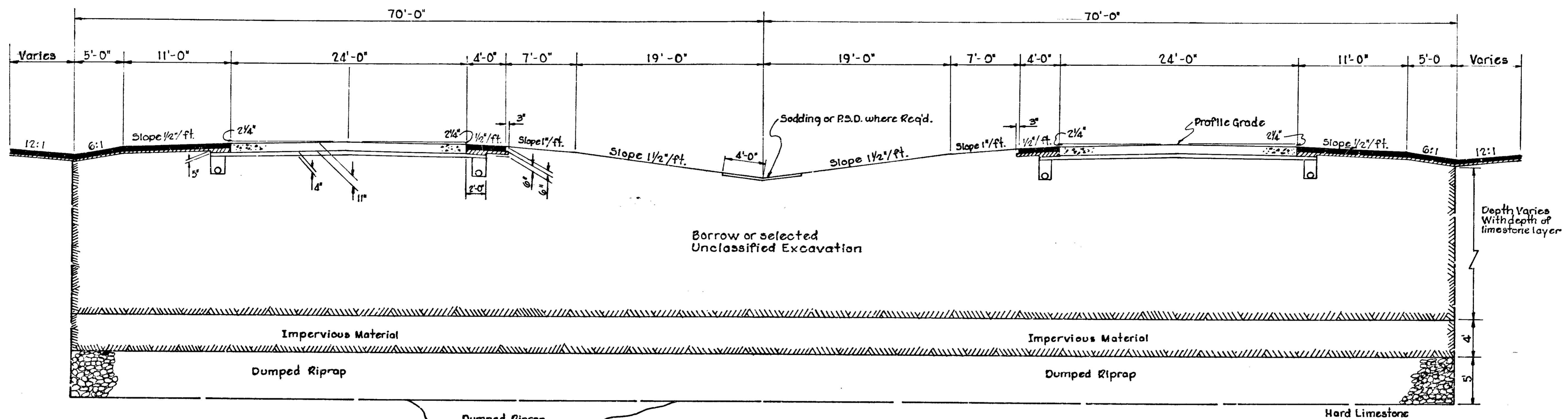
RECOMMENDED FOR APPROVAL 12-19-73

*Byron R. Burch*  
 INDIANA STATE HIGHWAY COMMISSION

DECEMBER 1968

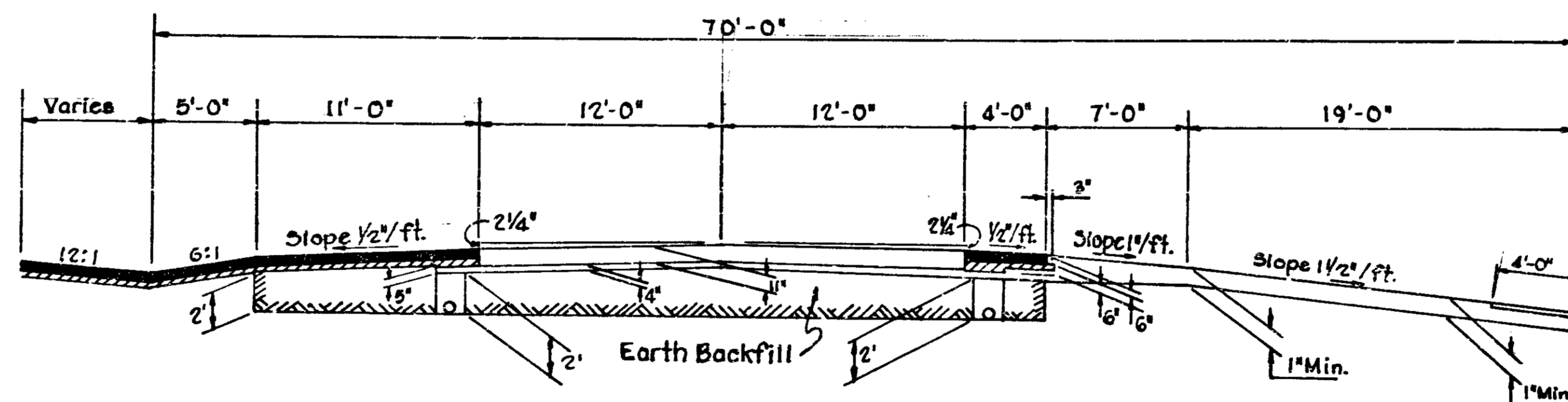
PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	FILE
1-64-364193		6A	96	

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	I-64-3(5)93		68	



**TYPICAL SECTION FOR TREATMENT OF CAVITIES**

STATIONS 380+00 TO 390+00



**TYPICAL SHALE UNDERCUT SECTION**

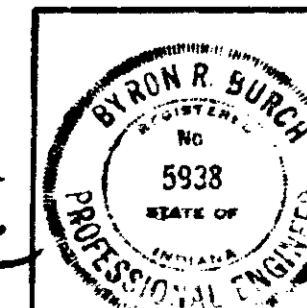
**SHALE SECTIONS:**

Station	E.B. Lane	W.B. Lane
302+00 to 310+00	✓	
316+00 to 325+00	✓	
363+00 to 371+00	✓	✓
472+00 to 484+00	✓	
472+00 to 482+00		✓
402+00 to 409+00	✓	

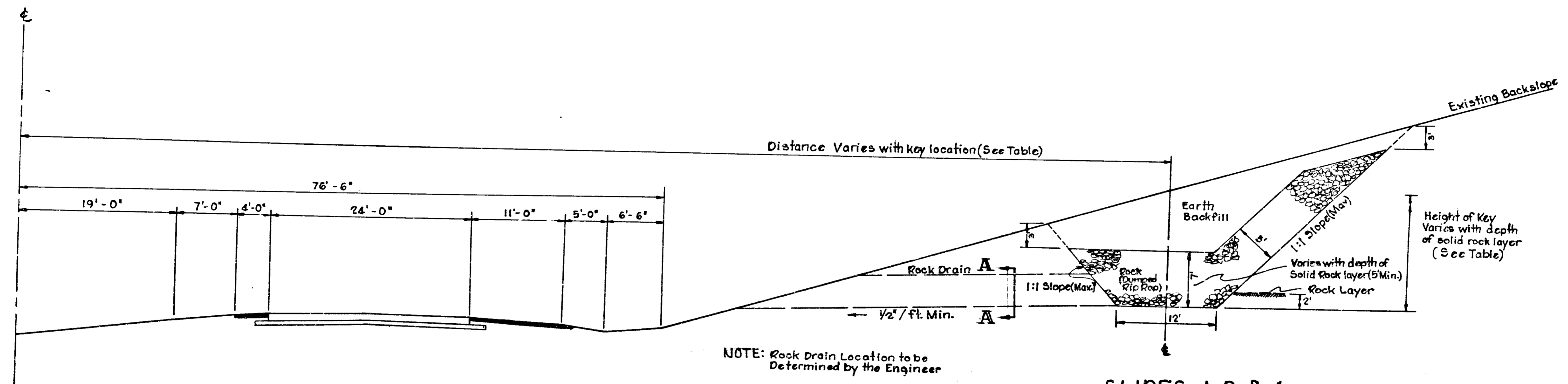
**TYPICAL CROSS SECTIONS**

SCALE: 1" = 5'

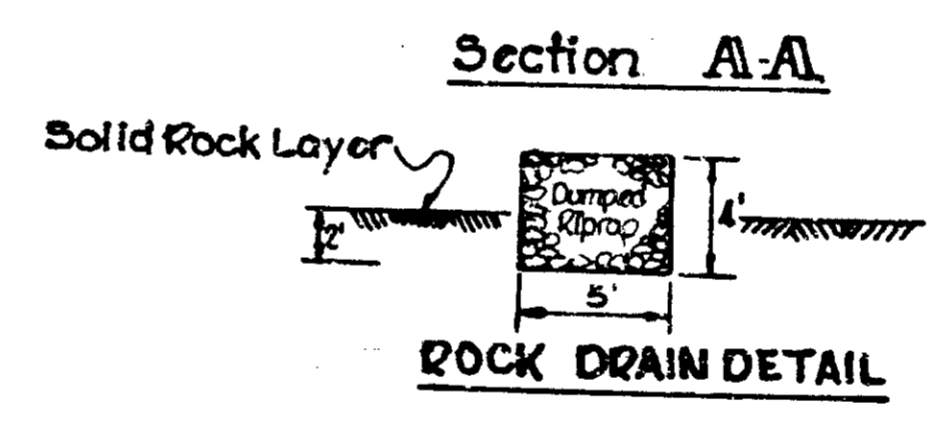
RECOMMENDED FOR APPROVAL 7/17/76  
*Byron R. Burch*  
 PROFESSIONAL ENGINEER



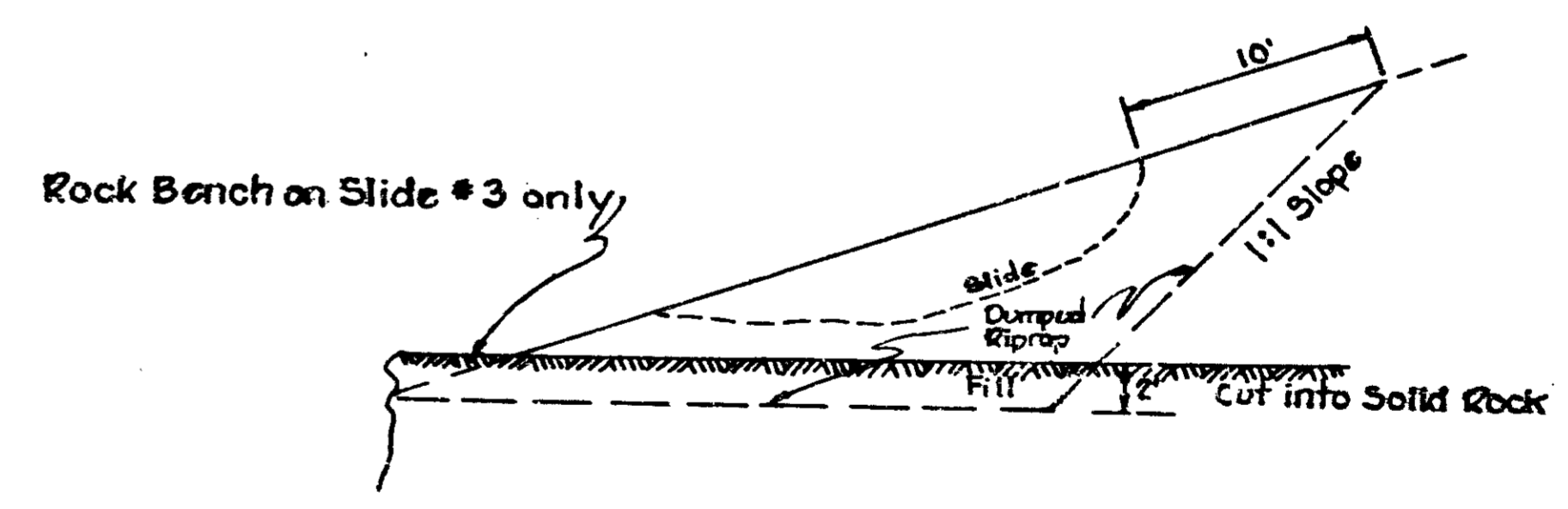




**SLIDES 1, 2, & 4**



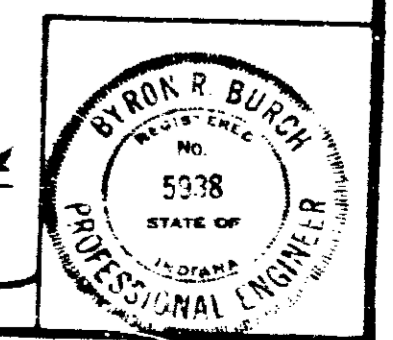
Slide*	Station From To	Rt.	Lt.	Distance from I-64 to Key (Base)	Length of Area to be Repaired	Estimated Height of Key @ 1/2' of Base to Ground Line	Number of Rock Drains	Estimated Tonnage of Riprap	Estimated Cys. of Earth Backfill	Estimated Earth Excavation (Cys.)
1	298+50 to 308+40	✓		134' (Est.)	290'	13.5'	2	3,228	2,185	4,337
2	437+50 to 441+13	✓		125'	363	12'	3	3,367	2,395	4,640
3	453+00 to 455+00	✓		No Key	200'		0	4,100	0	2,733
4	463+00 to 467+50	✓		150' (Est.)	450'	18'	3	7,687	5,250	10,375
5	18+70 to 19+00 A.R. #2	✓		No Key	30'		0	450	0	300
Totals								18,832	9,830	22,385



**ROCK KEY SLIDE CORRECTION  
TYPICAL CROSS SECTIONS**

SCALE: 1" = 6'

RECOMMENDED FOR APPROVAL 2/17/74  
*Byron R. Burch*





FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	I-64-3(41)93	1970	11-12	26

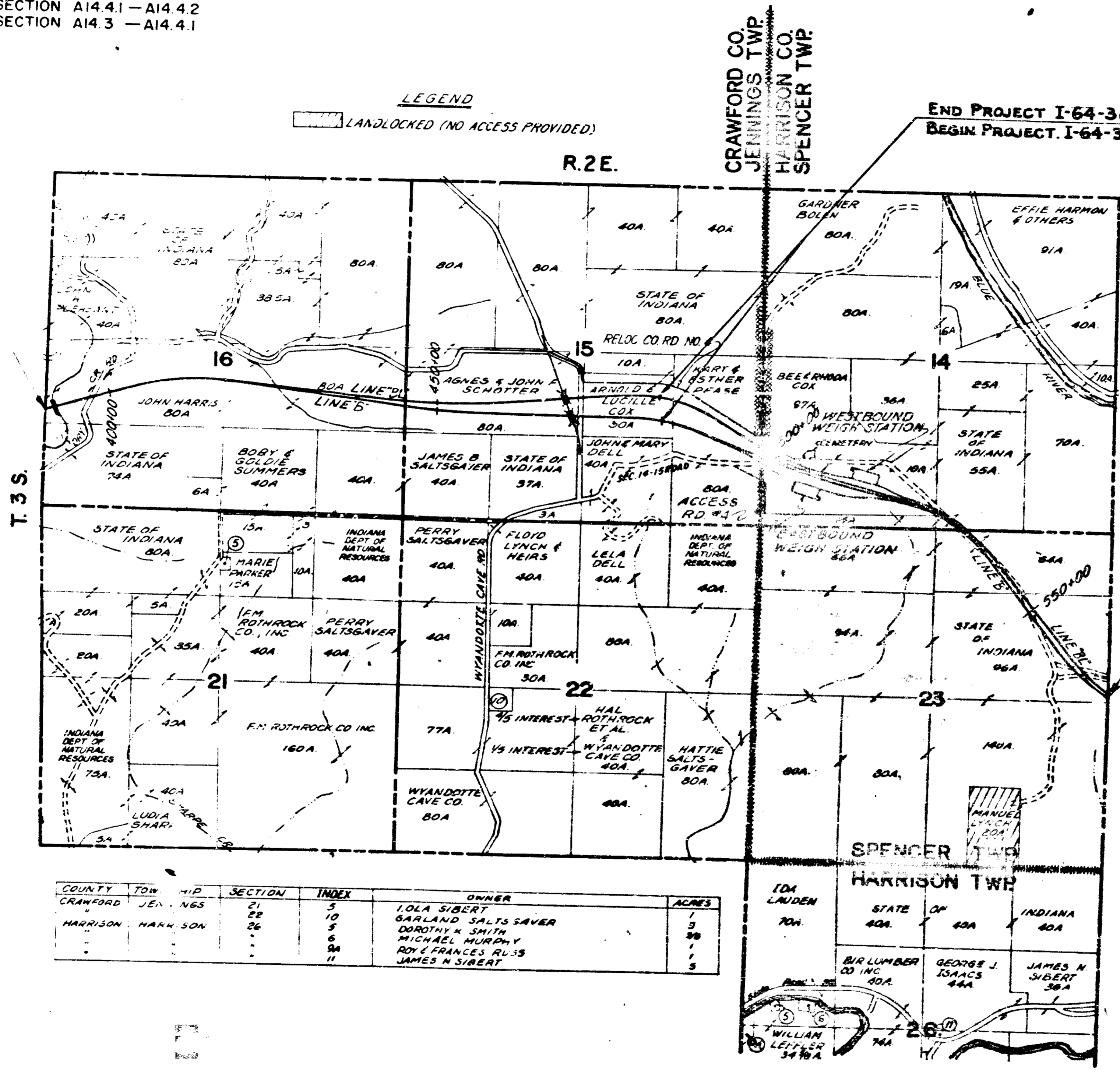
REV 6-9-63

BEGIN I04(b)5 SECTION A14.4.1 - A14.4.2  
 END I04(b)5 SECTION A14.3 - A14.4.1

STA 389+62.40 B. BACK  
 STA 389+65.00 B. AHEAD

**LEGEND**  
 [Hatched Box] LANDLOCKED (NO ACCESS PROVIDED)

END PROJECT I-64-3(41)93  
 BEGIN PROJECT I-64-3(53)98 SEC. "A"



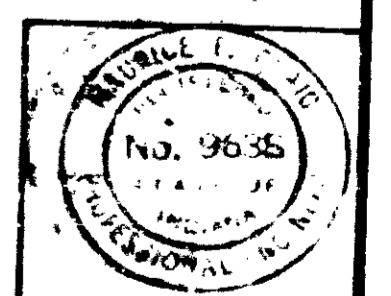
END I04(b)5 SECTION A14.4.1 - A14.4.2  
 BEGIN I04(b)5 SECTION A14.4.2 - A14.5

STA 367+00.00 B. BACK  
 STA 368+41.00 B. AHEAD

COUNTY	TOW	R.P.	SECTION	INDEX	OWNER	ACRES
CRAWFORD	JENNINGS	21	5	5	IOLA SIBERT	1
CRAWFORD	JENNINGS	22	10	10	GARLAND SALTS SAVER	3
HARRISON	HARRISON	26	5	5	DOROTHY K SMITH	30
			6	6	MICHAEL MURPHY	1
			9A	9A	ROY & FRANCES RUS	1
			11	11	JAMES N SIBERT	5



PROJECT I-64-3(33)98 R/W  
**PLAT I**  
 FOR ROAD DESIGN  
 SCALE: 1" = 1000'

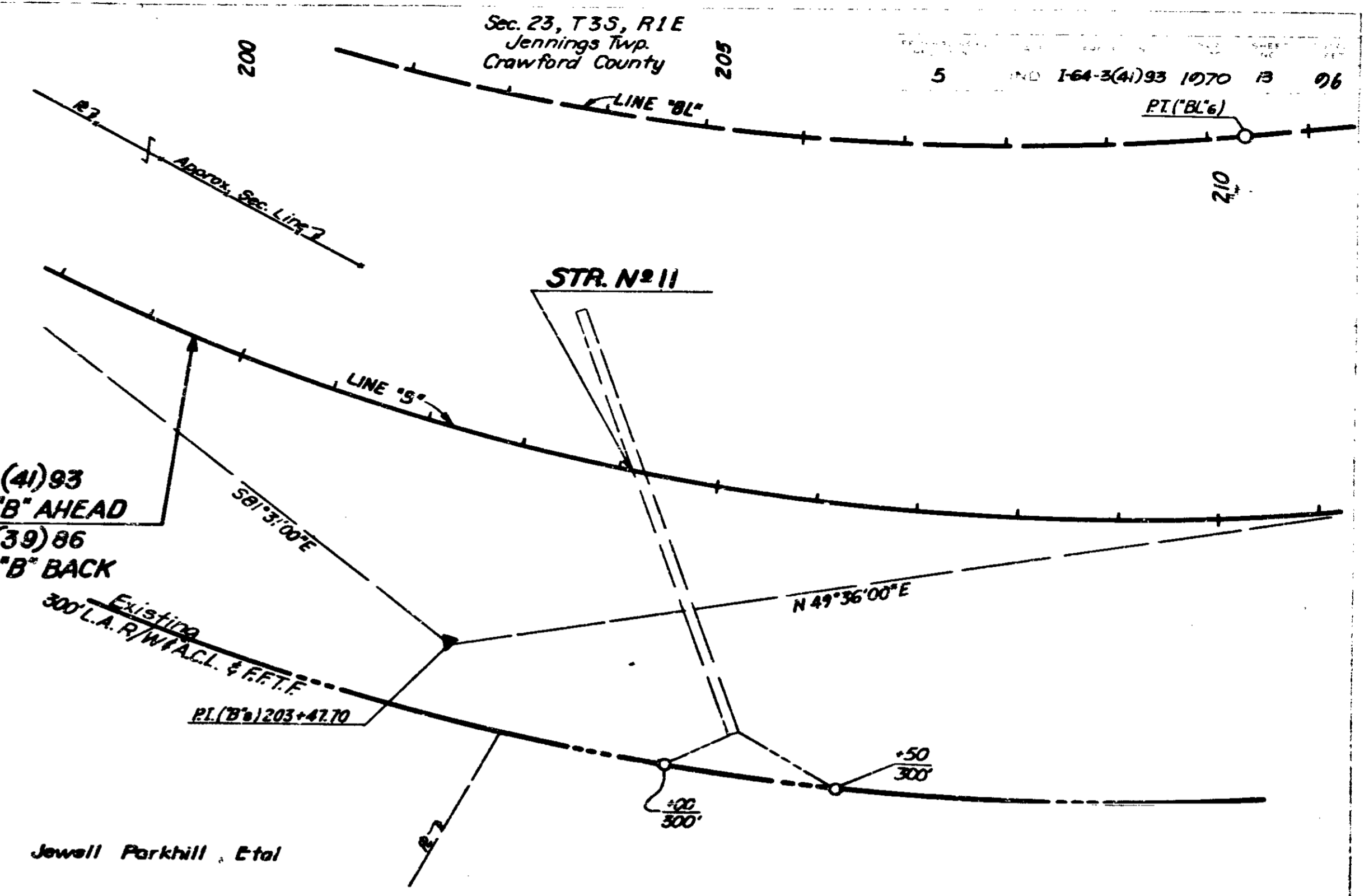
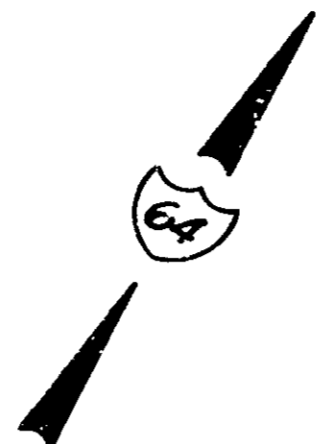


FIRST PHASE

PROJECT NO.	DATE	BY	CHKD.	APP.
I-64-3(41)93	11-12			

I.S.H.C.  
 PLAN  
 5-00  
 2-00  
 12-00

I.S.H.C.  
 PLAN  
 5-00  
 2-00  
 10-00



**CURVE NO. 8 - LINE "B"**  
 $\Delta = 45^{\circ}53'00''$  L = 1955.33'  
 $D = 2^{\circ}30'00''$  E = 225.60'  
 $R = 2291.83'$  S.E. = 0.069/ft.  
 $T = 1041.65'$

Sec. 26, T35, R1E  
 Jennings Twp.  
 Crawford County

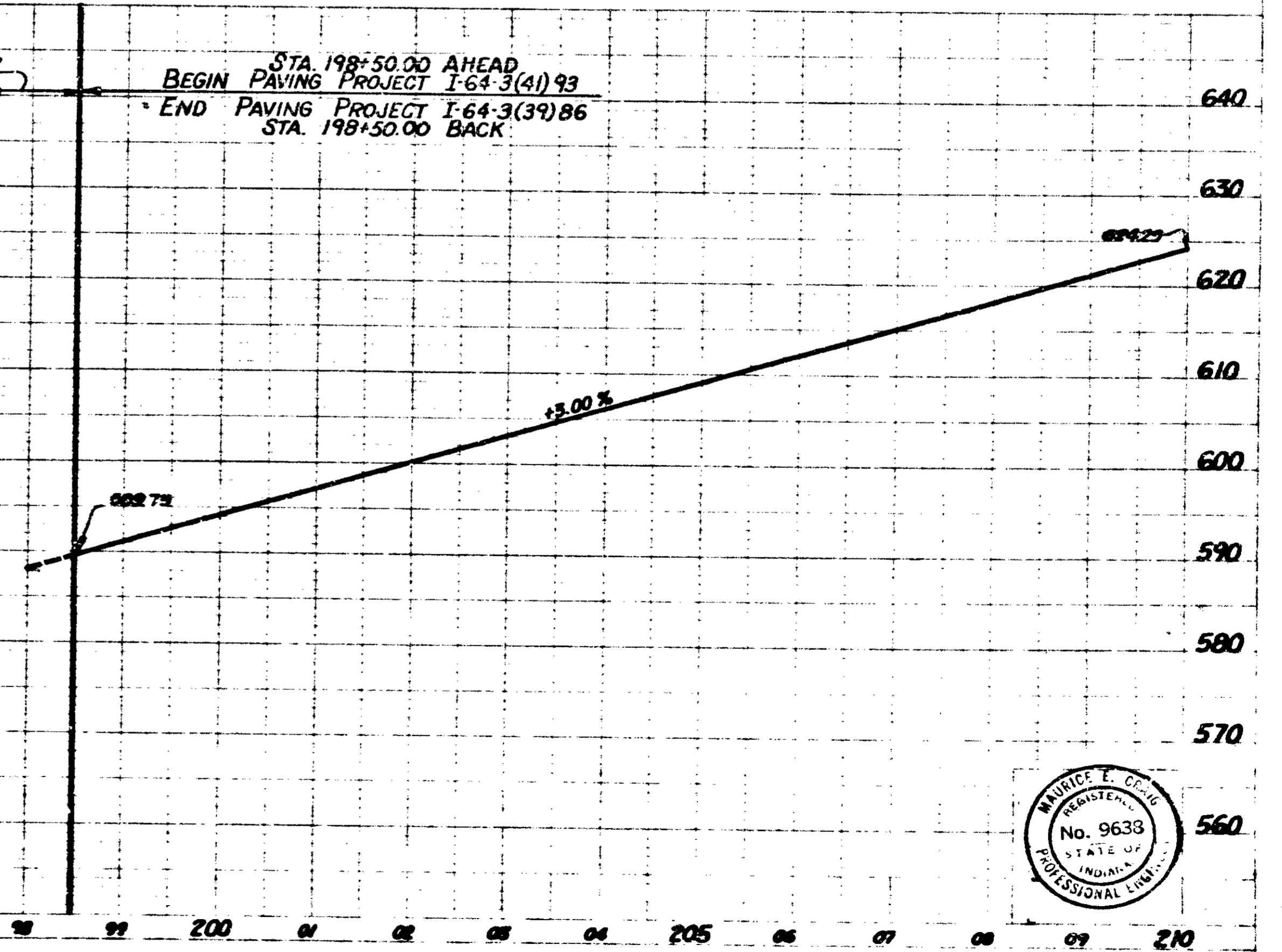
Joan Sacksteder

**GENERAL NOTES**

- Typical Cross Sections for Mainline as shown on Sheets 2-4 to be used on this Project.
- A 10' R.C. Pav't. shall be used.
- Typical Cross Sections for Ramps as shown on Sheet 5 & 6 to be used on this Project.
- Standard Ramp Section Rev. 10-3-68 as shown on Sheet No. 3 to be used on this Project (Weigh Station Only). Pavement thickness shall be 10'.
- Typical Cross Sections for Weigh Station as shown on Sheet No. 7 shall be used on this Project.
- I.S.H.C. Standard Specifications dated 1980 to be used with this Project.
- Standards under dates listed in the Index on the Title Sheet to be used on this Project.
- Grade Line as shown on Profile represents top of Finished Surface.
- The Contractor must accept the plan quantities of Subbase as given on the Estimate of Quantities Sheet.
- A Keyway Joint is to be constructed on Median side of each Pavement.
- All Earth Shoulders, Median Area, Cut and Fill Slopes shall be plain or mulched seeded, except where seeding is specified.
- Sodding shall be placed as shown on Standard & Typical Cross Sections and on Misc. Standard Sheet #118.
- Curves on Mainline shall be super-elevated according to Super-elevation Tables for Interstate as shown on Sheet No. 84.
- For 'Kinds of Pipe' permitted for each size and classification, see the Structure Data Sheet, see Misc. Standard.
- The minimum slope for sub-surface drains shall be 1% where the slope is less than 0.20%, special consideration shall be established by the Engineer.
- The Final Cross Section, the 'Grading Contract' shall be the original Cross Sections of the 'Paving Contract', except that partial or complete cross sections may be taken if necessary to determine the actual quantities of excavation.
- All Structures shown are for reference only, and will be constructed with the Grading Project.

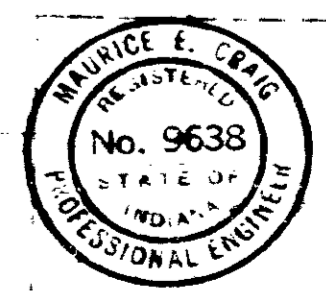
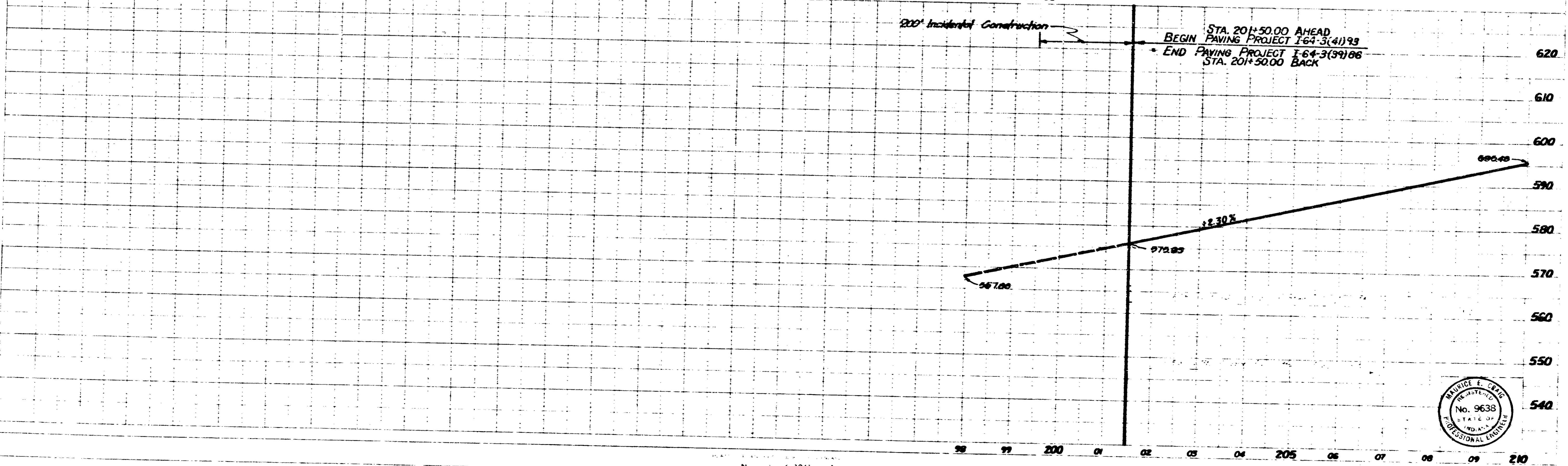
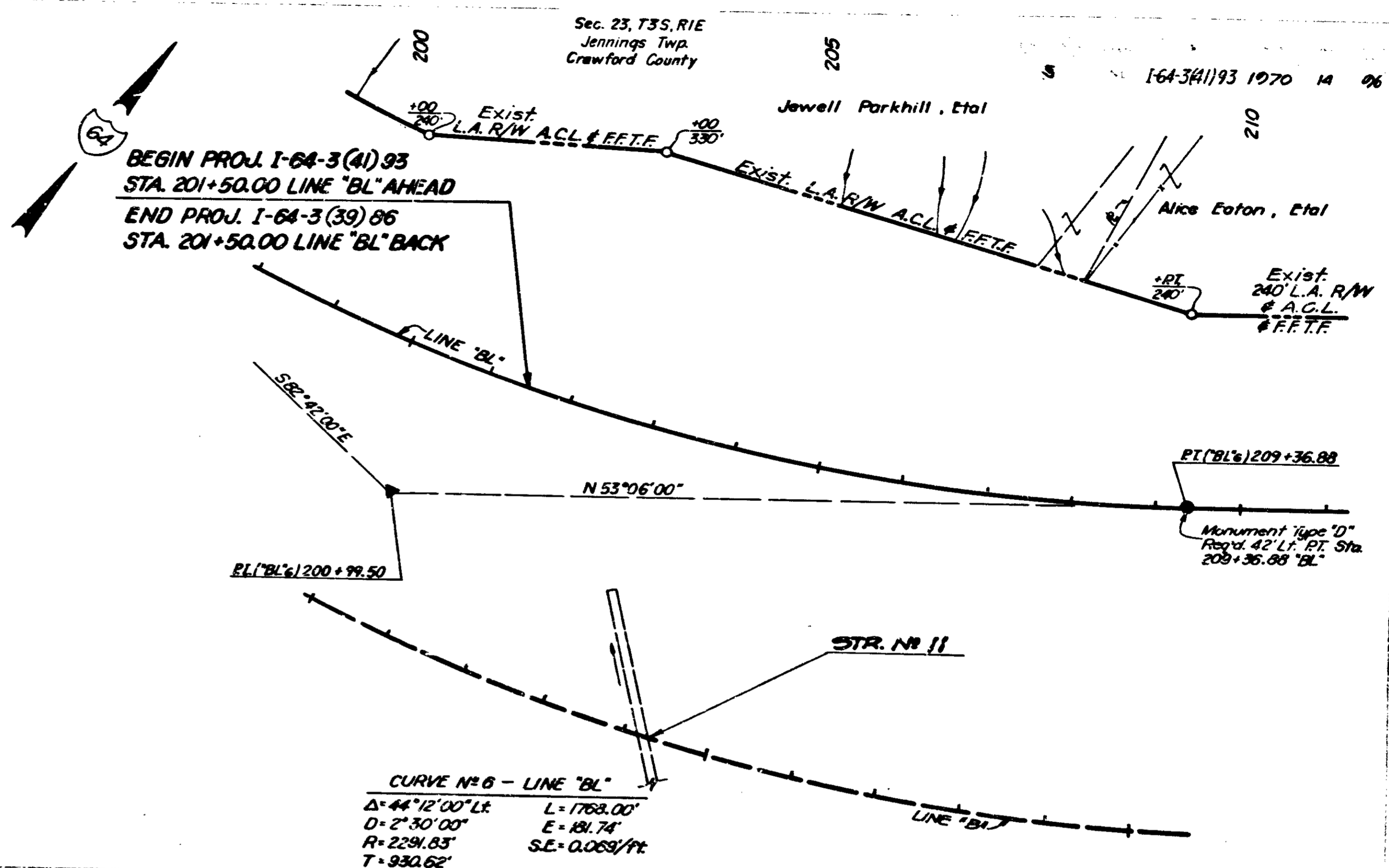
100' Incidental Construction

STA. 198+50.00 AHEAD  
 BEGIN PAVING PROJECT I-64-3(41)93  
 END PAVING PROJECT I-64-3(39)86  
 STA. 198+50.00 BACK



I.M.C.A.  
 I.P.C.A.  
 M.E.C.  
 P.D.L.  
 PLAN  
 DATE: 11-6-66  
 BY: M.E.C.

I.M.C.A.  
 I.P.C.A.  
 M.E.C.  
 P.D.L.  
 PROFILE  
 DATE: 11-6-66  
 BY: M.E.C.

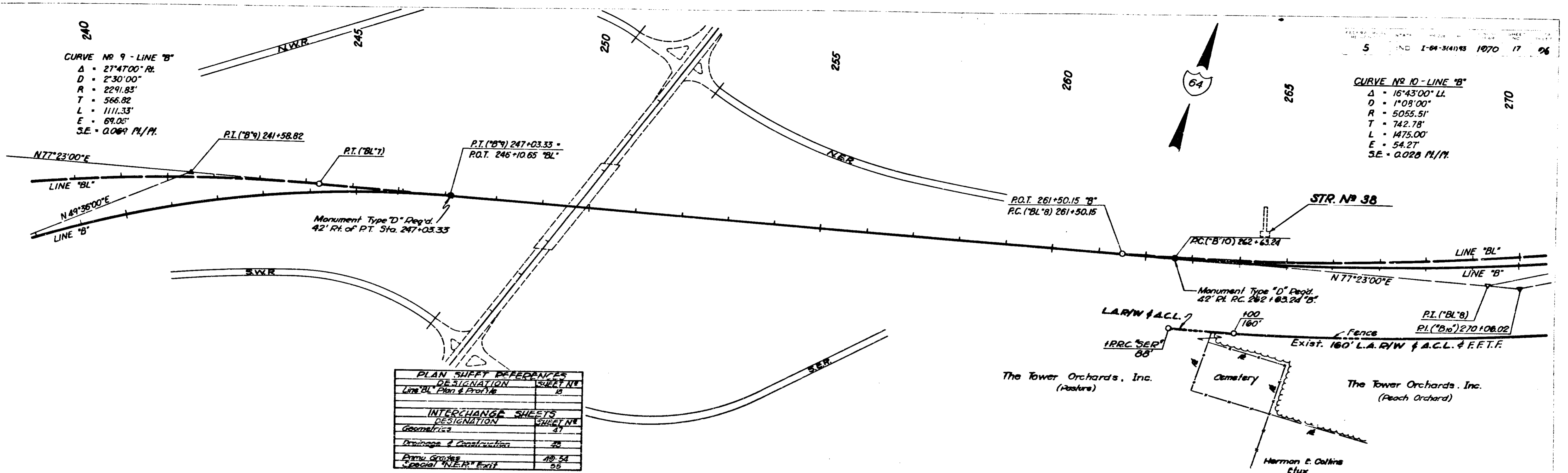




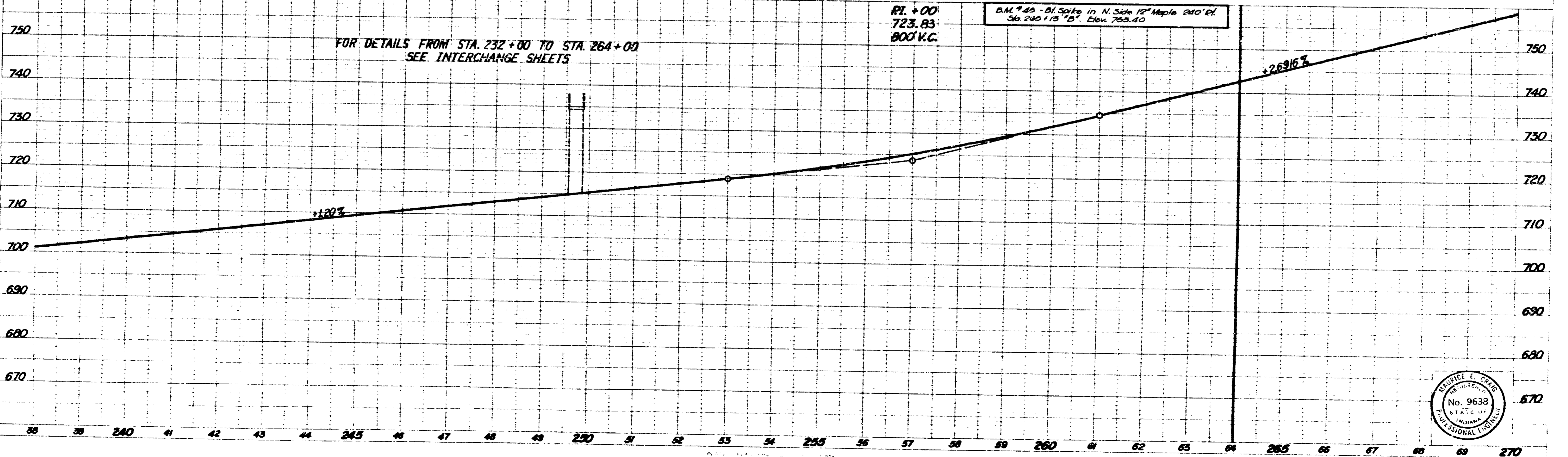


**CURVE NO 9 - LINE "B"**  
 $\Delta = 27^{\circ}47'00''$  R.  
 $D = 2^{\circ}30'00''$   
 $R = 2291.83'$   
 $T = 566.82'$   
 $L = 1111.33'$   
 $E = 69.05'$   
 $S.E. = 0.0069$  PI/PI.

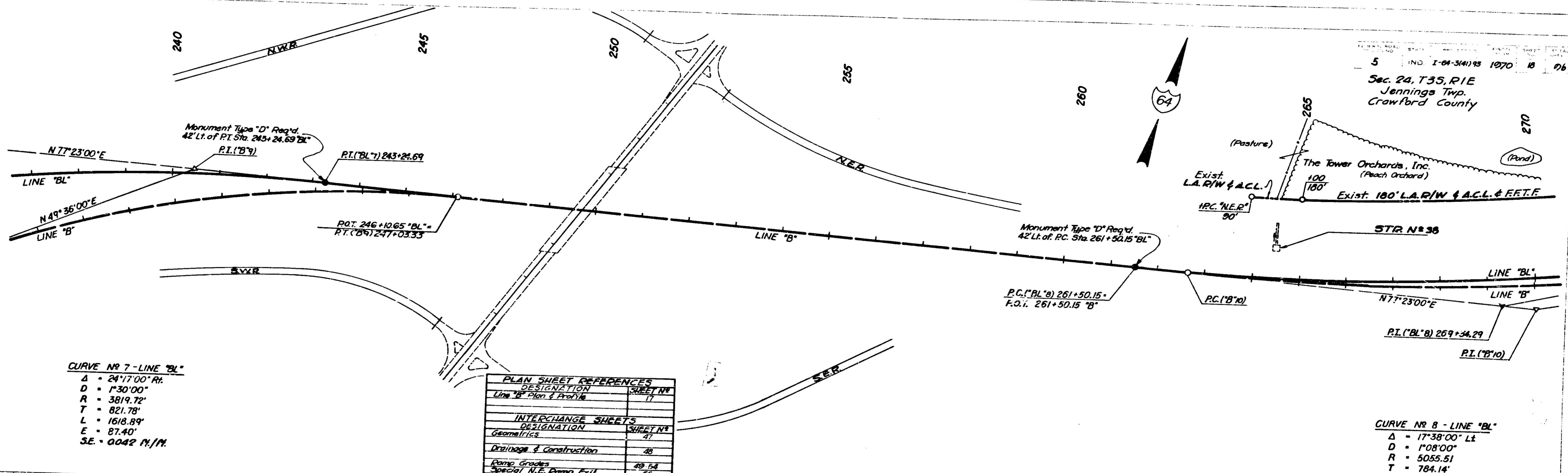
**CURVE NO 10 - LINE "B"**  
 $\Delta = 16^{\circ}43'00''$  L.  
 $D = 1^{\circ}08'00''$   
 $R = 5055.51'$   
 $T = 742.78'$   
 $L = 1475.00'$   
 $E = 54.27'$   
 $S.E. = 0.028$  PI/PI.



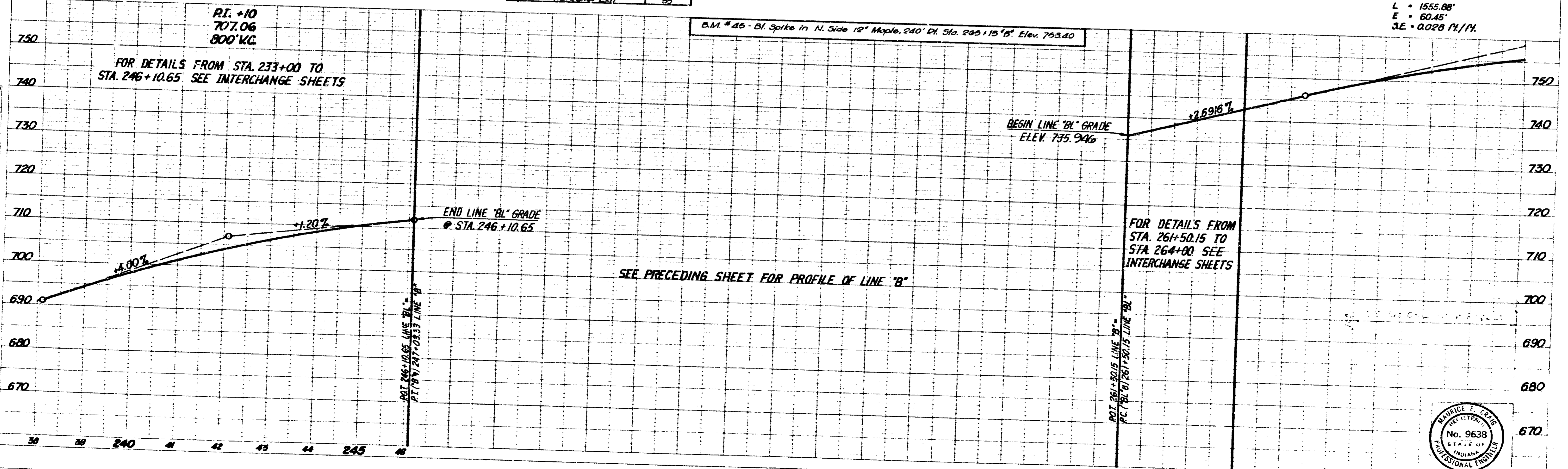
PLAN SHEET REFERENCES	
DESIGNATION	SHEET NO.
Line "BL" Plan & Profile	16
INTERCHANGE SHEETS	
DESIGNATION	SHEET NO.
Geometrics	41
Drainage & Construction	48
Plan & Profile	10, 54
Special "N.E.P." Exit	55







PLAN SHEET REFERENCES	
DESIGNATION	SHEET NO.
Line 'B' Plan & Profile	17
INTERCHANGE SHEETS	
DESIGNATION	SHEET NO.
Geometrics	47
Drainage & Construction	48
Ramp Grades	49, 54
Special N.E. Ramp Exit	55



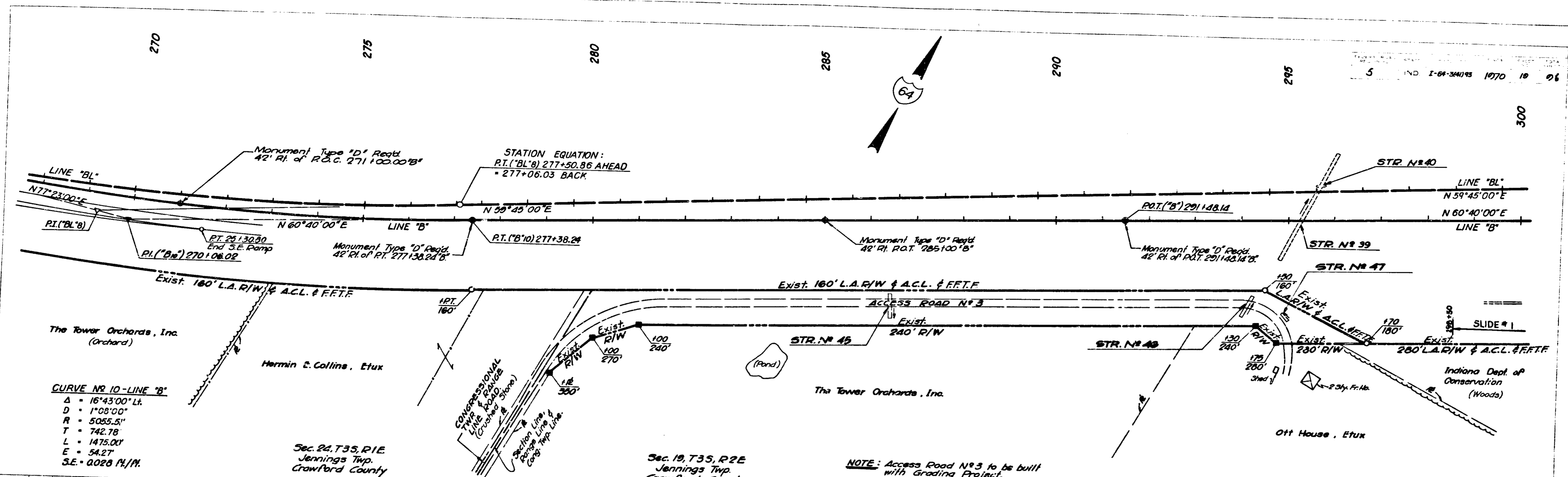
B.M. #45 - Bl. Spike in N. Side 12" Maple, 240' P.I. Sta. 265+15' 'B'. Elev. 763.40

SEE PRECEDING SHEET FOR PROFILE OF LINE 'B'



PLAN  
 3-00  
 6-00  
 9-00  
 12-00

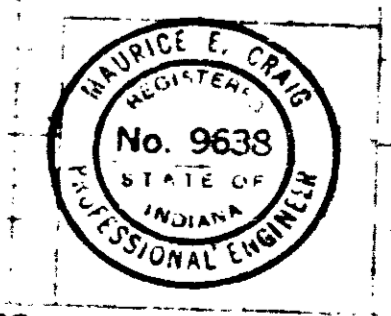
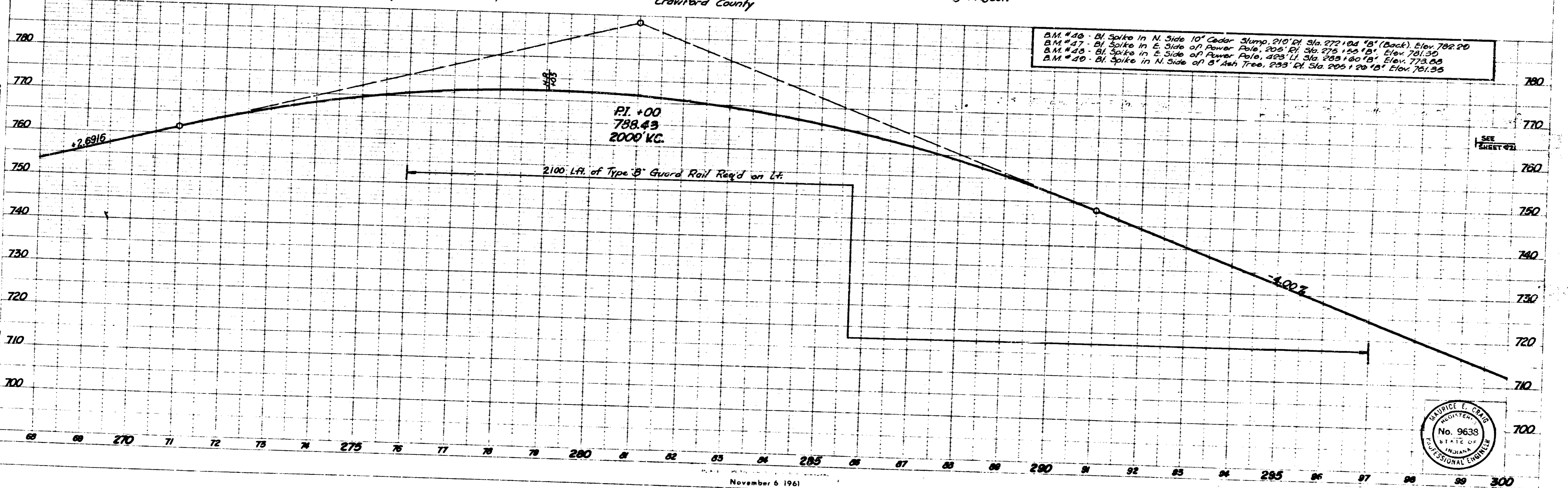
PLAN  
 3-00  
 6-00  
 9-00  
 12-00



CURVE NO 10 - LINE "B"  
 Δ = 16° 43' 00" Lt.  
 D = 1° 08' 00"  
 R = 5055.51'  
 T = 742.78  
 L = 1475.00'  
 E = 54.27  
 S.E. = 0.028 Ft./M.

Sec. 24, T35, R1E  
 Jennings Twp.  
 Crawford County

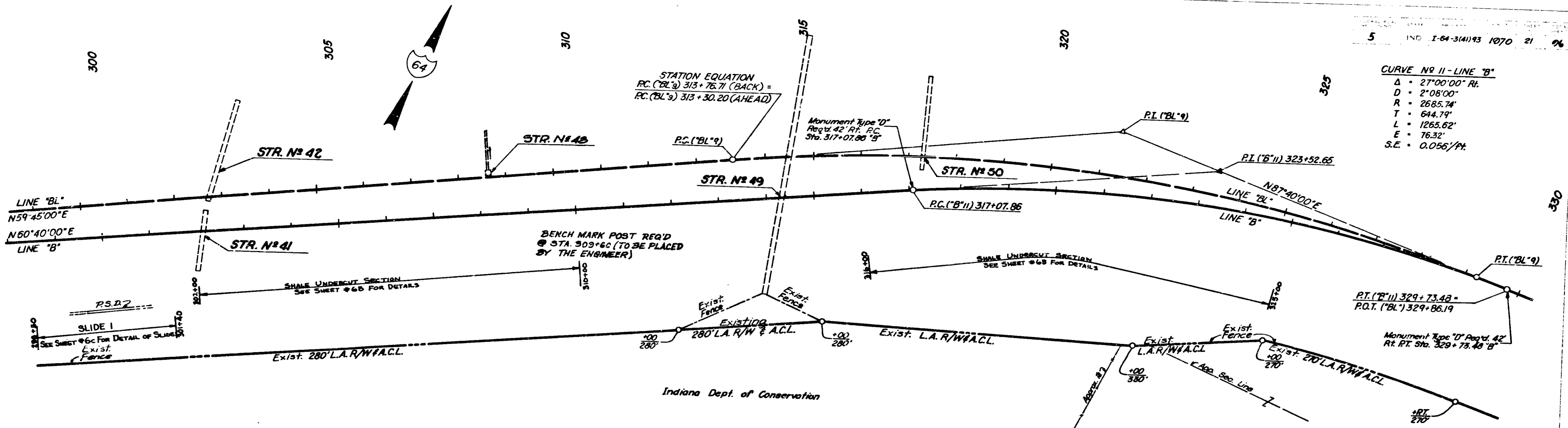
Sec. 19, T35, R2E  
 Jennings Twp.  
 Crawford County



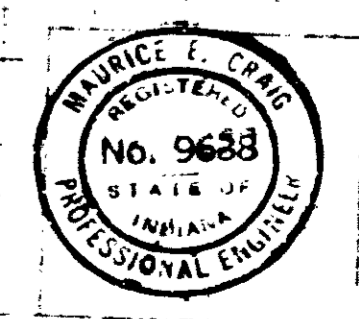
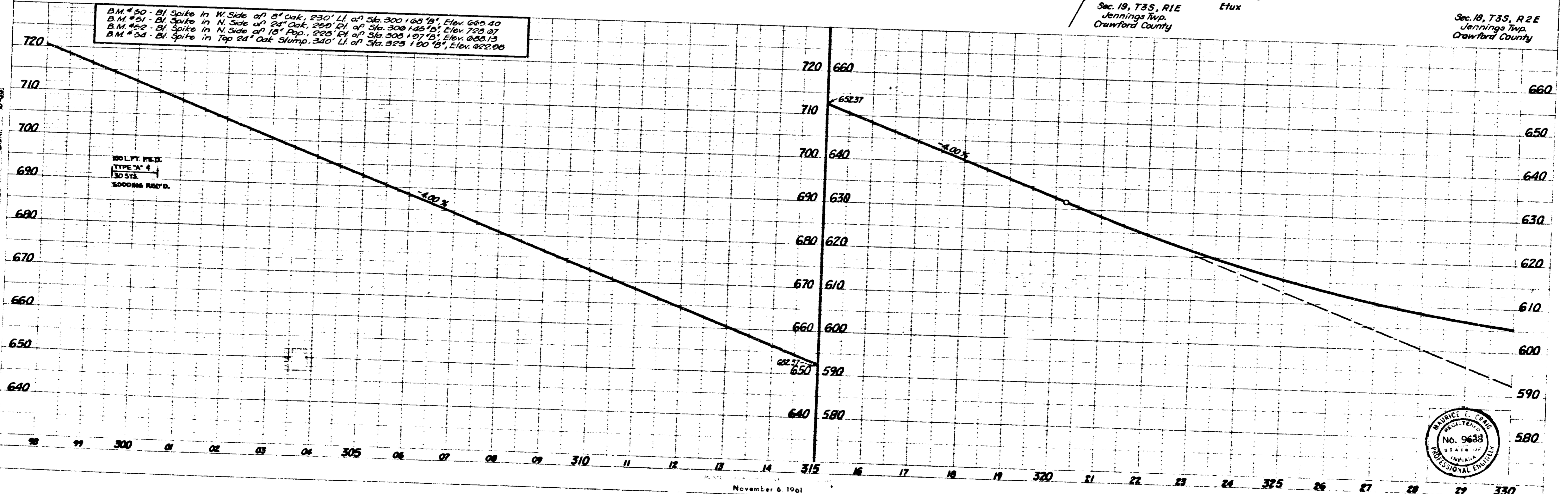


**CURVE NO 11 - LINE 'B'**  
 $\Delta = 27^{\circ}00'00''$  Rt.  
 $D = 2^{\circ}08'00''$   
 $R = 2685.74'$   
 $T = 644.79'$   
 $L = 1265.62'$   
 $E = 76.32'$   
 $S.E. = 0.056'/ft.$

**STATION EQUATION**  
 $PC('BL'9) 313+76.71$  (BACK) =  
 $PC('BL'9) 313+30.20$  (AHEAD)



B.M. #50 - Bl. Spike in W. Side of 8" Oak, 230' Lt. of Sta. 300+00.00, Elev. 688.40  
 B.M. #51 - Bl. Spike in N. Side of 24" Oak, 250' Pl. of Sta. 300+45.15, Elev. 728.87  
 B.M. #52 - Bl. Spike in N. Side of 18" Pop., 220' Pl. of Sta. 305+07.15, Elev. 688.13  
 B.M. #53 - Bl. Spike in Top 24" Oak Slump, 340' Lt. of Sta. 325+00.00, Elev. 622.08



November 6 1961

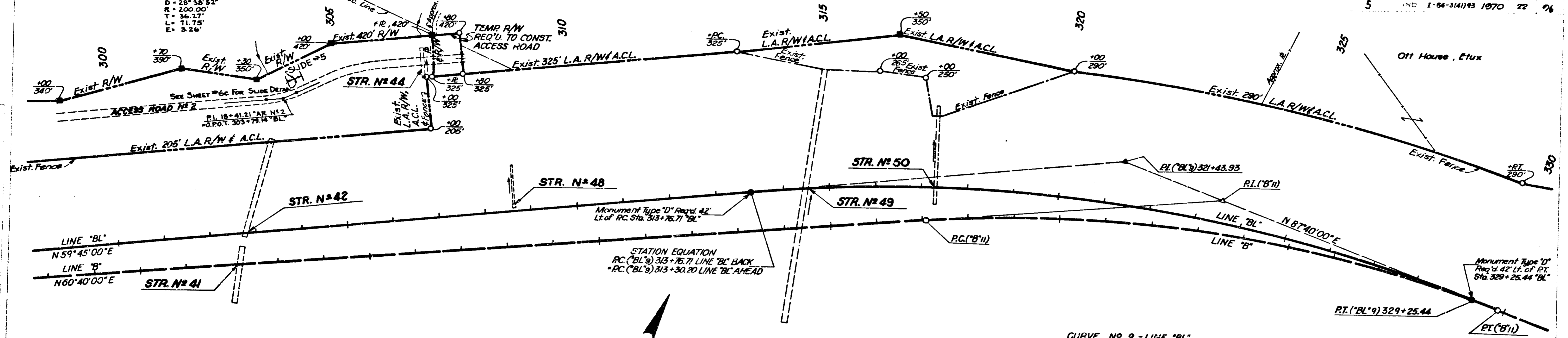
Sec. 19, T3S, R1E  
Jennings Twp.  
Crawford County

CURVE NO 3  
Δ = 20° 33' 22" Lt.  
D = 28° 38' 52"  
R = 200.00'  
T = 36.27'  
L = 71.75'  
E = 3.26'

Sec. 18, T3S, R2E  
Jennings Twp.  
Crawford County

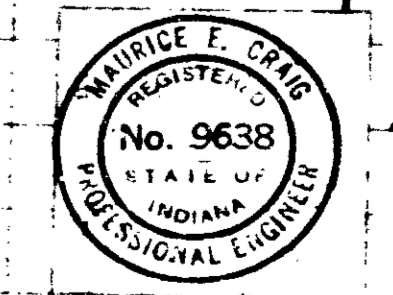
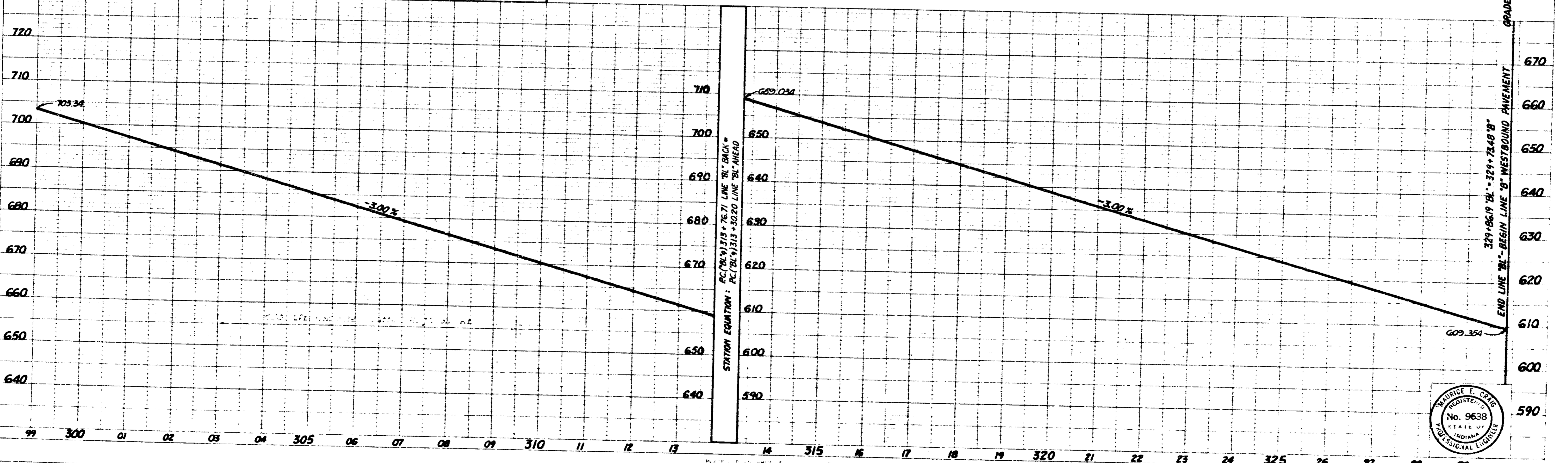
Indiana Dept. of Conservation

5 IND I-64-3(4)19 1970 22 76



B.M. #50 - Bl Spike in W. Side of 8" Oak, 250' Lt. of Sta. 300 + 05.5', Elev. 665.40  
 B.M. #51 - Bl Spike in N. Side of 24" Oak, 250' Pt. of Sta. 300 + 25.18', Elev. 723.67  
 B.M. #52 - Bl Spike in N. Side of 15" Oak, 220' Pt. of Sta. 305 + 07.15', Elev. 666.13  
 B.M. #54 - Bl Spike in Top 24" Oak Stump, 340' Lt. of Sta. 323 + 00.15', Elev. 672.00

CURVE NO 9 - LINE 'BL'  
 Δ = 27° 55' 00" Rt.  
 D = 1' 45' 00"  
 R = 3274.04'  
 T = 813.78'  
 L = 1595.28'  
 E = 99.62'  
 S.E. = 0.048/Pt.



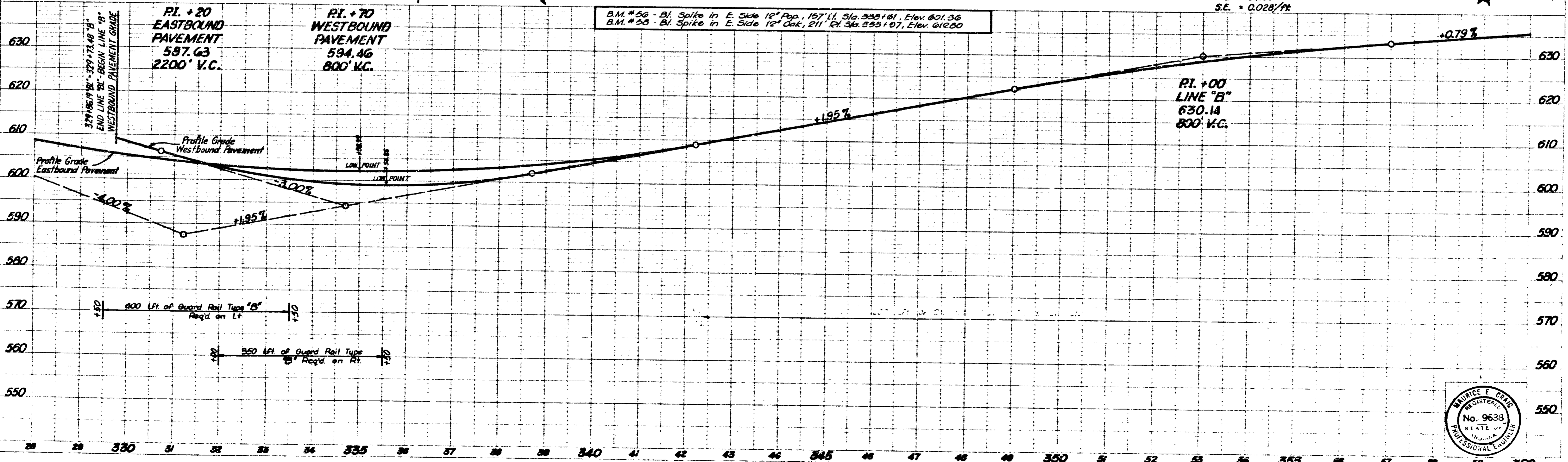
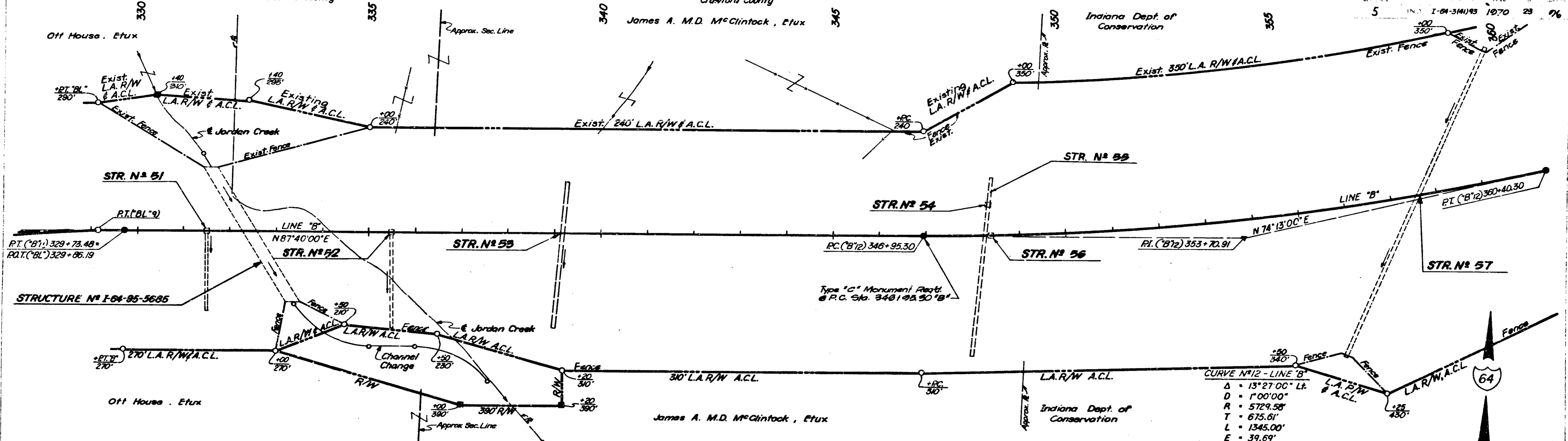
November 6, 1961

I-64-3(4)19 22 76

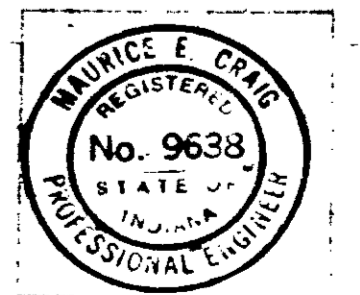
Sec. 18, T35, R2E  
Jennings Twp.  
Crawford County

Sec. 17, T35, R2E  
Jennings Twp.  
Crawford County

5 IN. I-64-341(1)93 10.70 23 96

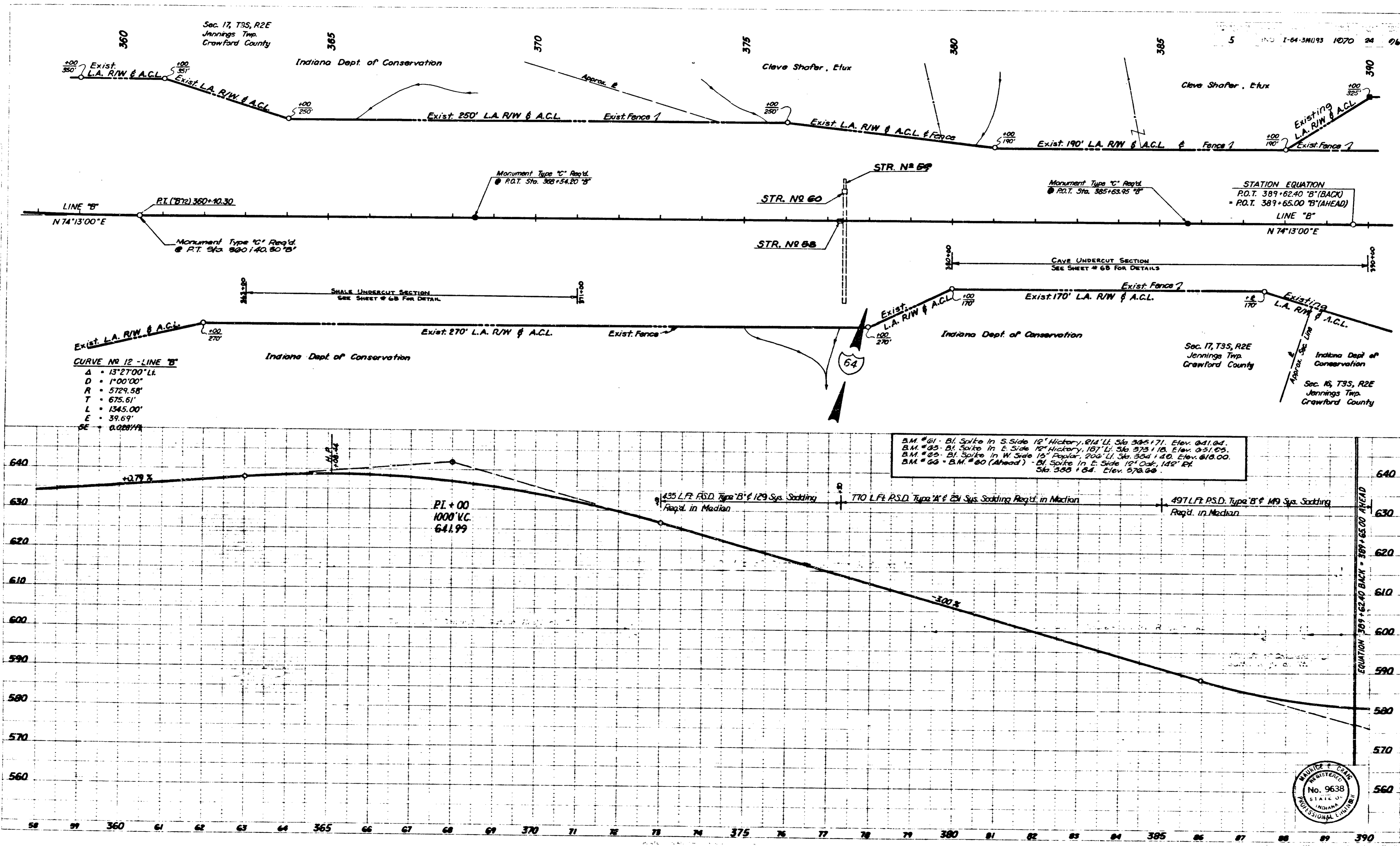


B.M. # 56 - Bl. Spike in E. Side 12" Pop. 157' Lt. Sta. 335+81, Elev. 601.36  
 B.M. # 55 - Bl. Spike in E. Side 12" Oak, 211' Pt. Sta. 553+07, Elev. 612.00



DATE: 11-6-61  
 I.S.M.C. 9-00  
 T.E.M. 8-00  
 P.O.M. 4-00  
 R.D.L. 0-00  
 No. 0010 L. 11-6-61

DATE: 11-6-61  
 I.S.M.C. 9-00  
 T.E.M. 8-00  
 P.O.M. 4-00  
 R.D.L. 0-00  
 No. 0010 L. 11-6-61



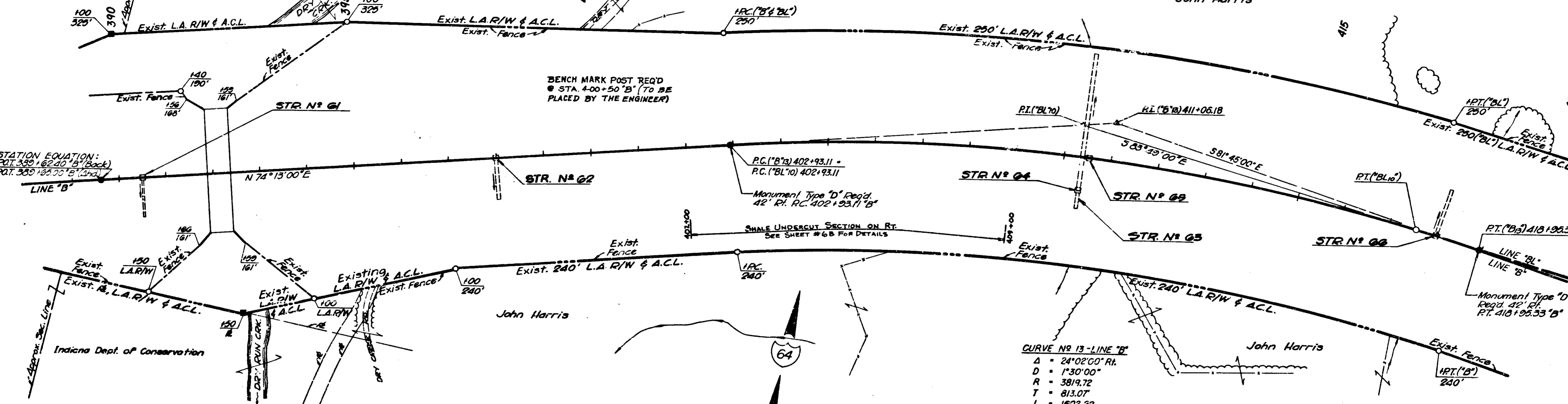
Sec. 17, T35, R2E  
Jennings Twp.  
Crawford County

Sec. 16, T35, R2E  
Jennings Twp.  
Crawford County

Cleve Shafer, Etux

John Harris

John Harris



STATION EQUATION:  
P.O.T. 389 + 62.40' B' (Back)  
P.O.T. 389 + 62.40' B' (Ahead)

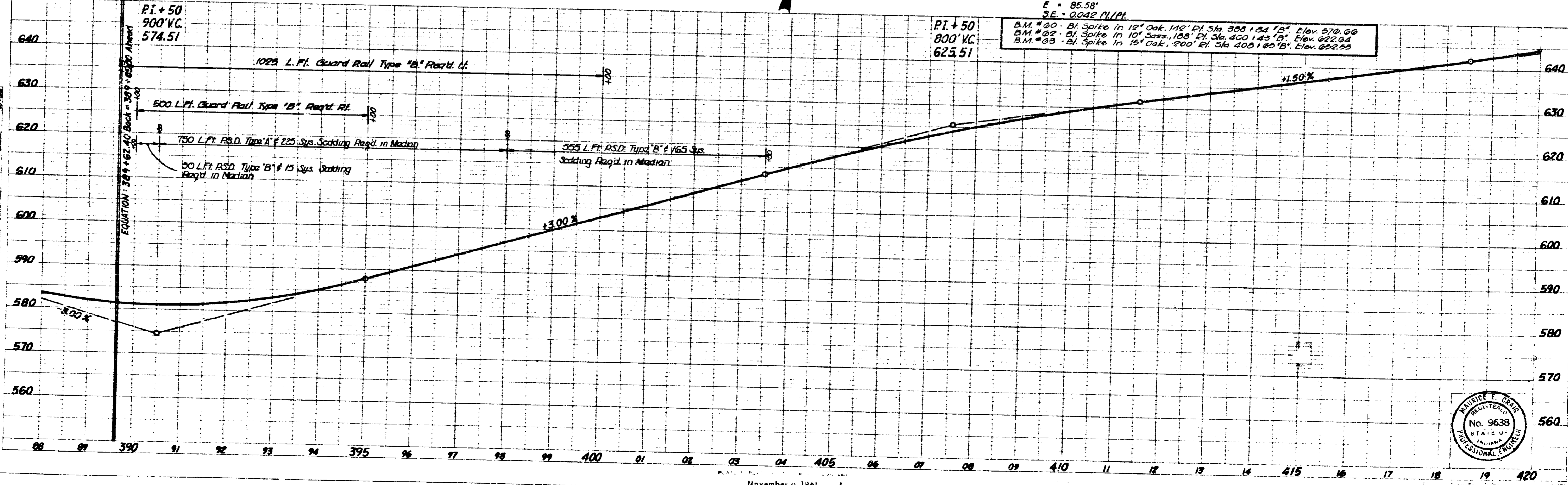
BENCH MARK POST REQ'D  
● STA. 4+00+50' B' (TO BE  
PLACED BY THE ENGINEER)

CURVE NO 13 - LINE "B"  
Δ = 24° 02' 00" Rt.  
D = 1° 30' 00"  
R = 3819.72  
T = 813.07'  
L = 1602.22'  
E = 85.58'  
SE = 0.0042 PL/PL

B.M. #60 - Bl. Spike in 12" Oak, 142' Pl. Sta. 388 + 64' B' Elev. 570.66  
B.M. #62 - Bl. Spike in 10" Sassa., 188' Pl. Sta. 400 + 43' B' Elev. 622.64  
B.M. #63 - Bl. Spike in 15" Oak, 200' Pl. Sta. 403 + 65' B' Elev. 622.55

PLAN  
DATE: 11/1/61  
BY: J.E.C.  
CHECKED: J.E.C.  
SCALE: 1" = 40'

PROFILE  
DATE: 11/1/61  
BY: J.E.C.  
CHECKED: J.E.C.  
SCALE: 1" = 40'



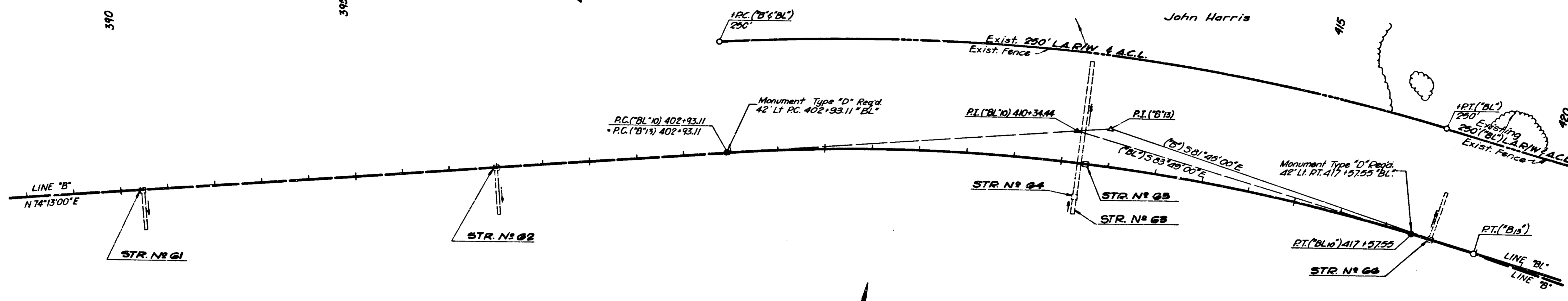
MAURICE E. CRIGG  
REGISTERED  
No. 9638  
STATE OF  
INDIANA  
PROFESSIONAL ENGINEER

November 6, 1961



Sec. 16, T35, R2E  
Jennings Twp.  
Crawford County

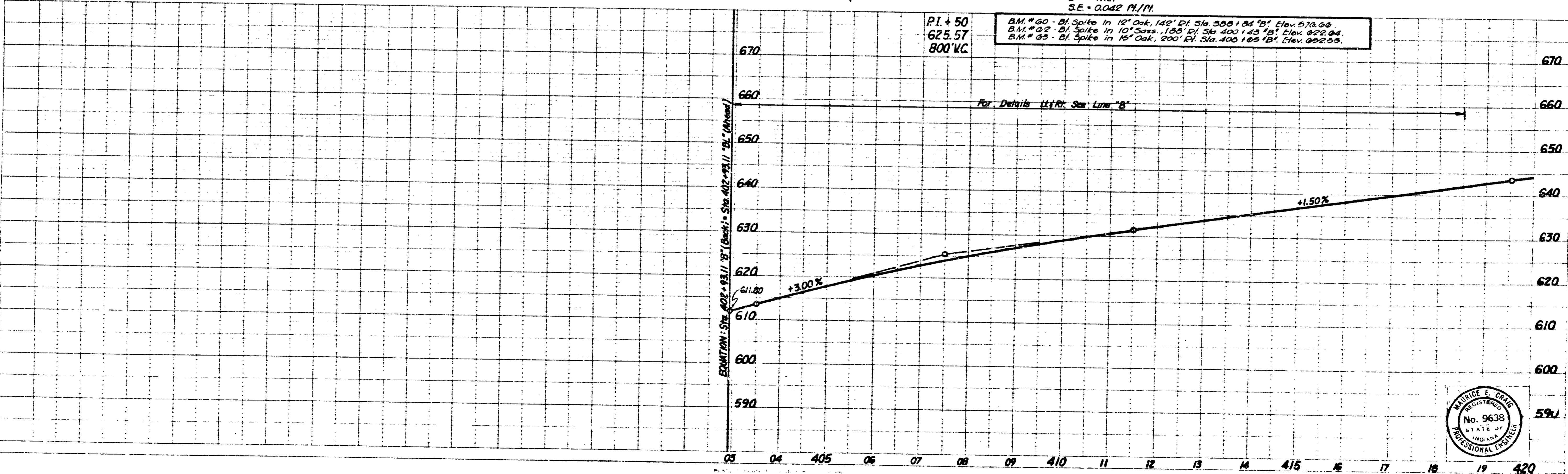
5 ND I-64-340193 1970 26 96



**CURVE NO 10 - LINE "B"**  
 $\Delta = 21^{\circ}58'00''$  Rt.  
 $D = 1^{\circ}30'00''$   
 $R = 3819.72'$   
 $T = 741.33'$   
 $L = 1464.44'$   
 $E = 71.27'$   
 $S.E. = 0.0042$  ft./ft.

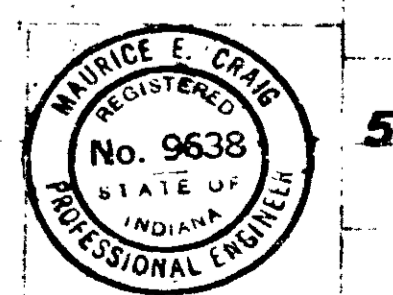
PI. + 50  
625.57  
800' VC

BM. # 60 - Bl. Spike in 12" Oak, 142' Pl. Sta. 300 + 04 'B' Elev. 572.00  
 BM. # 62 - Bl. Spike in 10" Sassa., 105' Pl. Sta. 400 + 43 'B' Elev. 622.04  
 BM. # 63 - Bl. Spike in 15" Oak, 200' Pl. Sta. 400 + 05 'B' Elev. 622.55.



**PLAN**  
 DATE: 5-66  
 DESIGNED BY: J.P.V.  
 CHECKED BY: P.D.B.  
 DRAWN BY: G.S.C.  
 NO. 93191  
 STATE OF INDIANA  
 PROFESSIONAL ENGINEER

**PROFILE**  
 DATE: 5-66  
 DESIGNED BY: J.P.V.  
 CHECKED BY: P.D.B.  
 DRAWN BY: G.S.C.  
 NO. 93191  
 STATE OF INDIANA  
 PROFESSIONAL ENGINEER



November 6, 1961

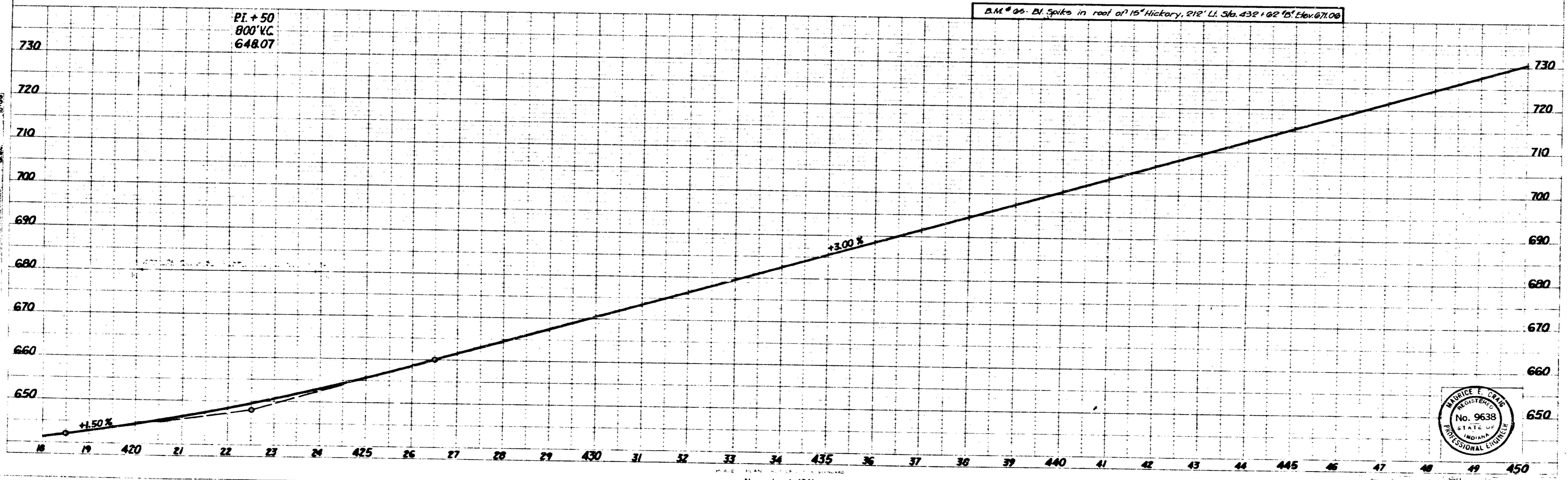
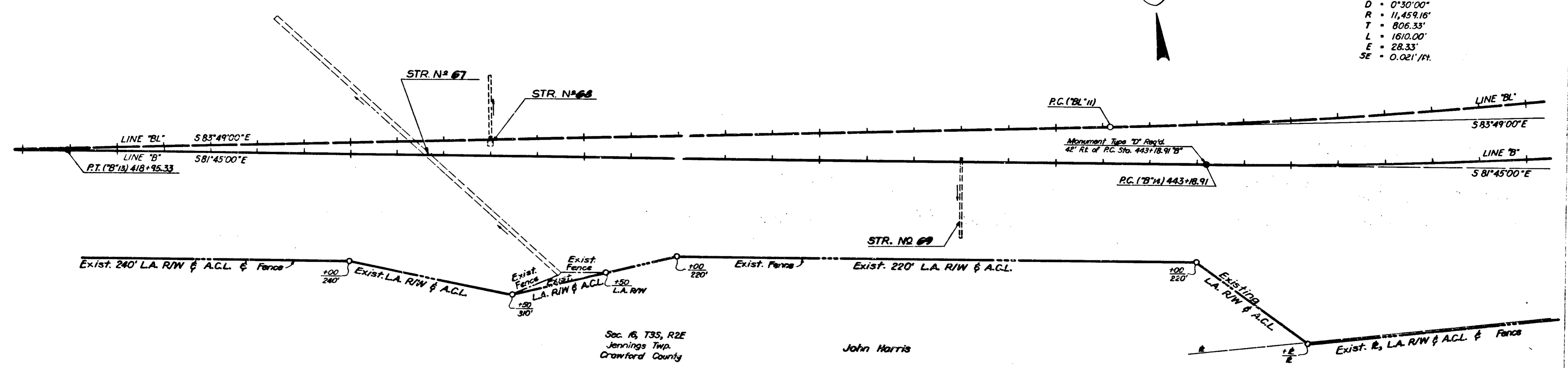
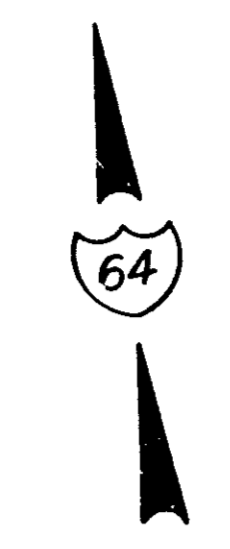
I-64-340193 "BL" 26 96

420 425 430 435 440 445

IND. I-84-34(1)93 1970 27 96

**CURVE NO. 14 - LINE "B"**

Δ = 8°03'00" Lt.  
 D = 0°30'00"  
 R = 11,459.16'  
 T = 806.33'  
 L = 1610.00'  
 E = 28.33'  
 SE = 0.021' / ft.



PLAN

DATE: 11/5/61

SCALE: 1" = 100'

BY: J.H.

CHECKED: J.H.

APPROVED: J.H.

PROFILE

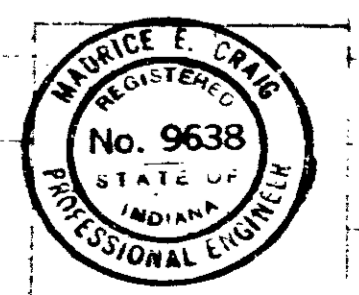
DATE: 11/5/61

SCALE: 1" = 100'

BY: J.H.

CHECKED: J.H.

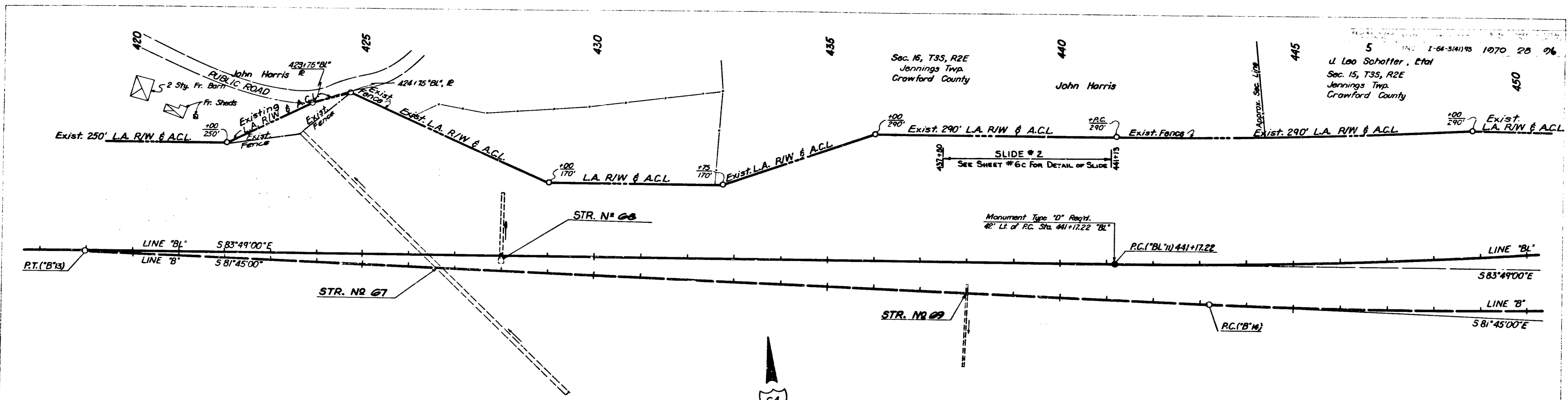
APPROVED: J.H.



November 5, 1961

I-84-34(1)93 27 96

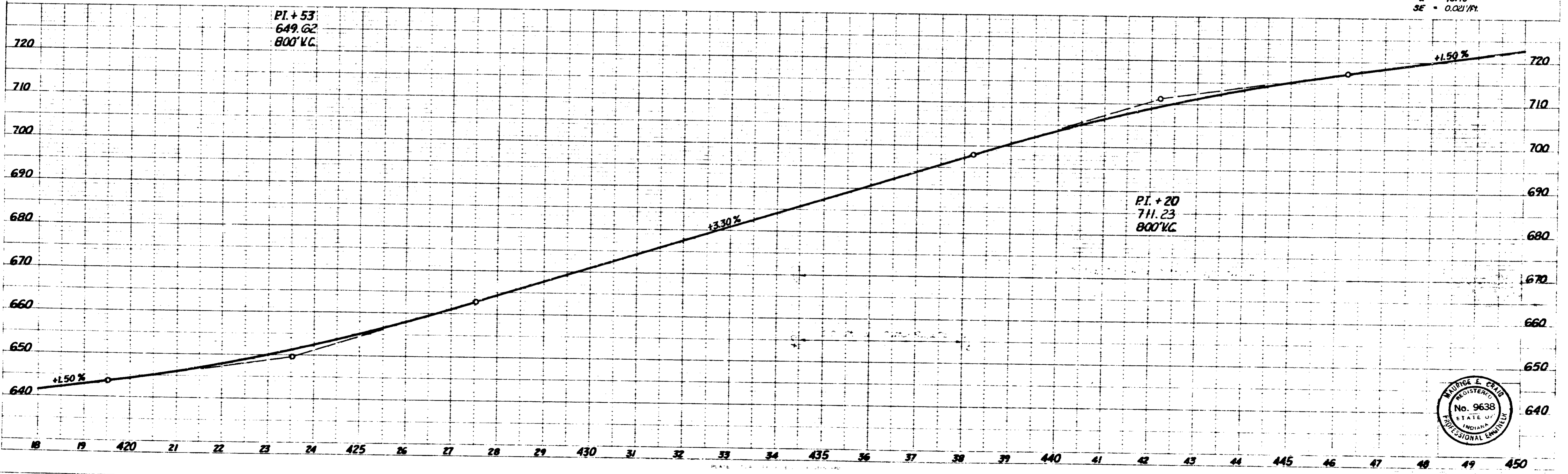
5-00  
 G.E.C.  
 A.B.C.  
 P.D.L.  
 12-00  
 1-00  
 2-00  
 3-00  
 4-00  
 5-00  
 6-00  
 7-00  
 8-00  
 9-00  
 10-00  
 11-00  
 12-00

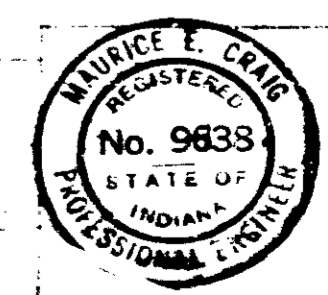
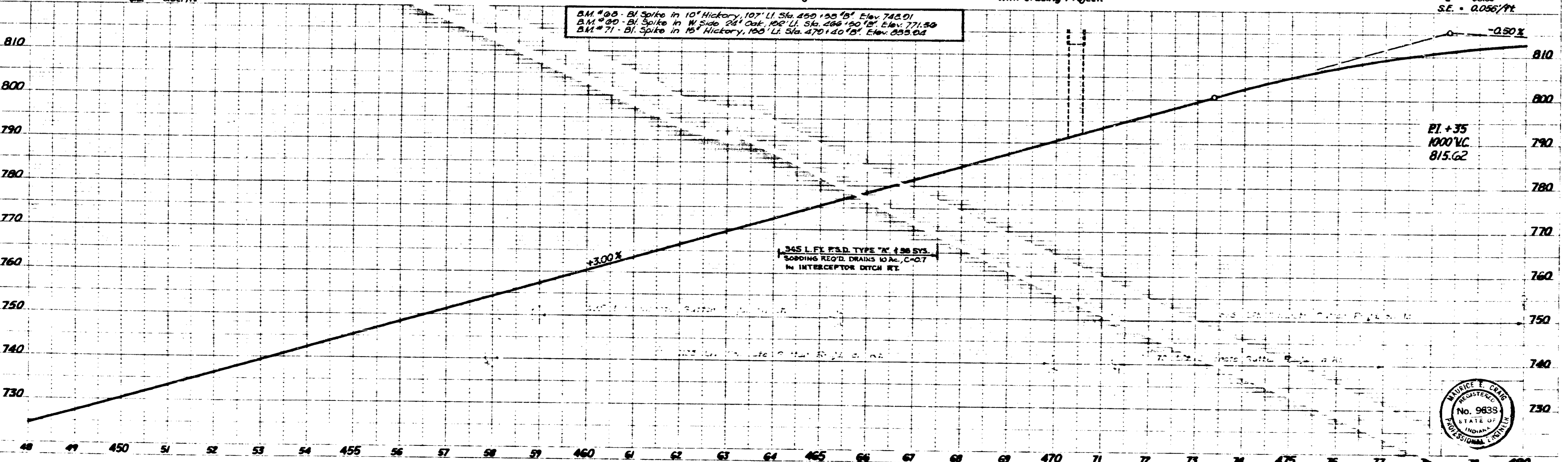
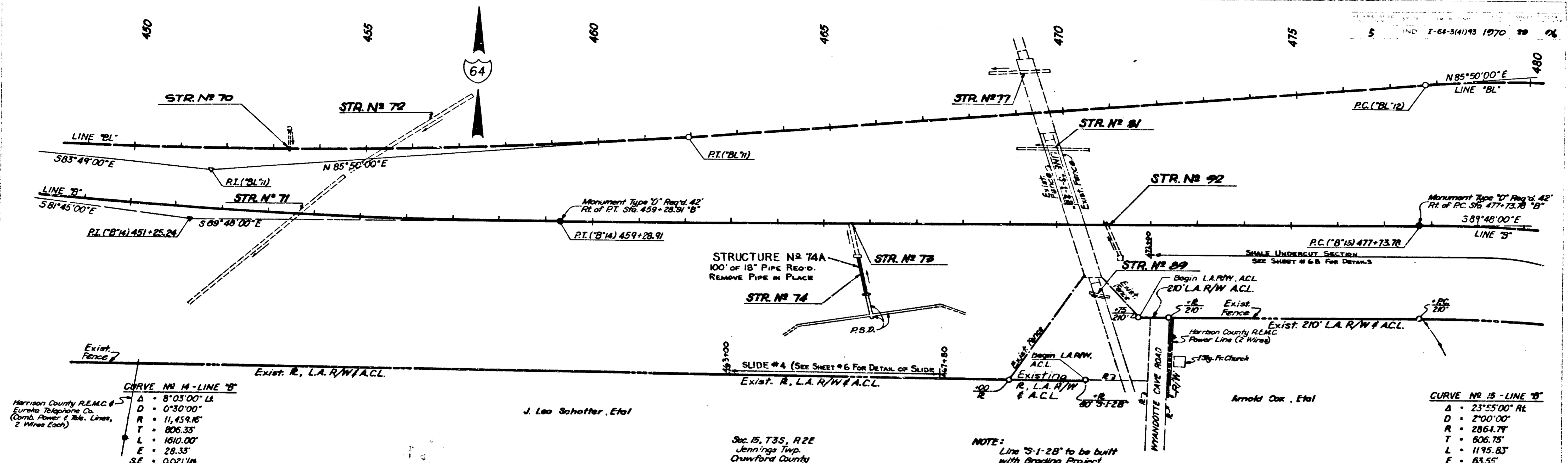


5  
 I-64-3441)93 1070 28 96  
 U. Leo Schotter, Etal  
 Sec. 15, T35, R2E  
 Jennings Twp.  
 Crawford County



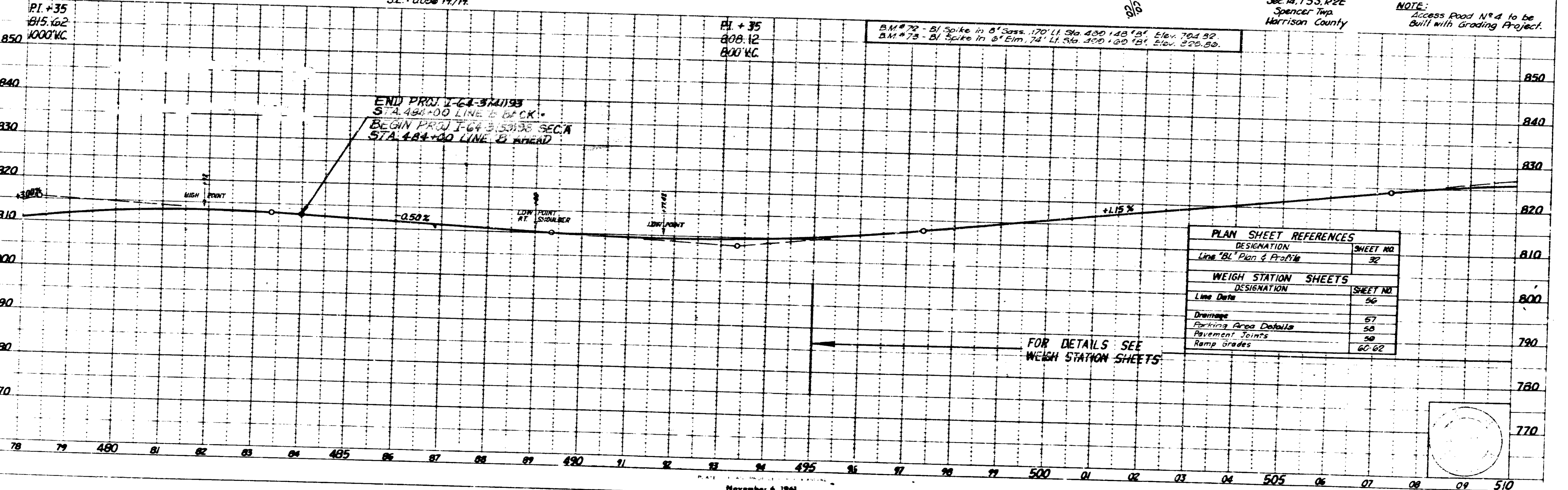
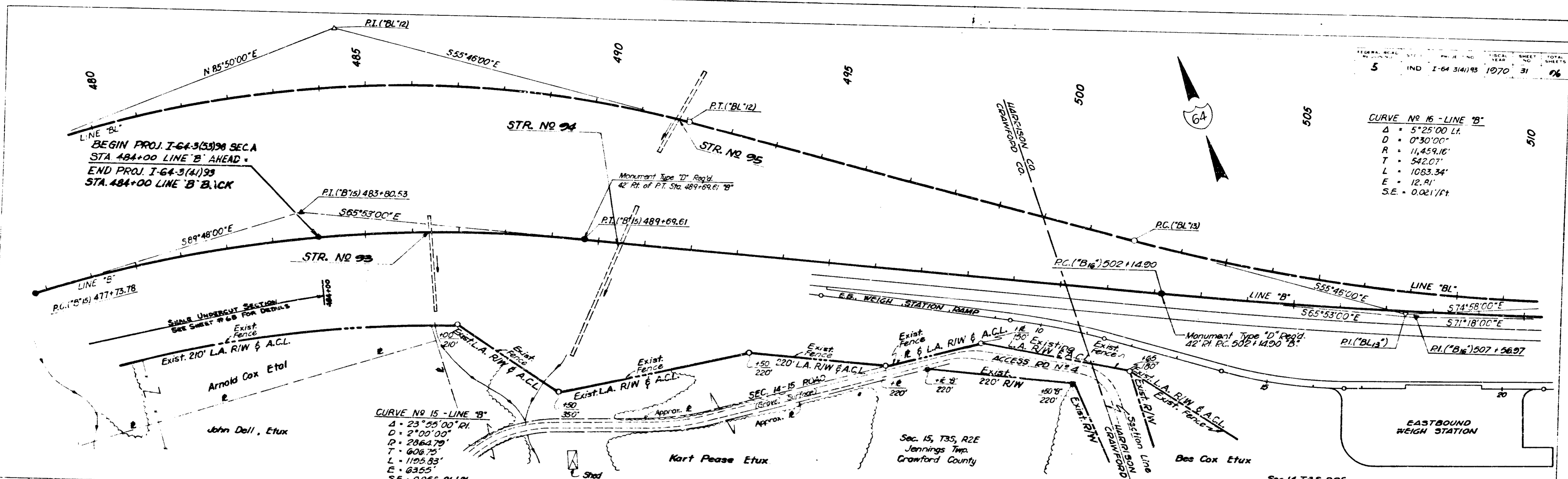
**CURVE N<sup>o</sup> 11 - LINE "BL"**  
 Δ = 10°21'00" LF  
 D = 0°30'00"  
 R = 11,459.16'  
 T = 1037.82'  
 L = 2070.00'  
 E = 45.90'  
 SE = 0.021/1%







PLAN  
 DATE: 11-6-61  
 BY: J.C.H.C.  
 CHECKED: J.C.H.C.  
 IN CHARGE: J.C.H.C.  
 NO. 1-64-3(4) 93



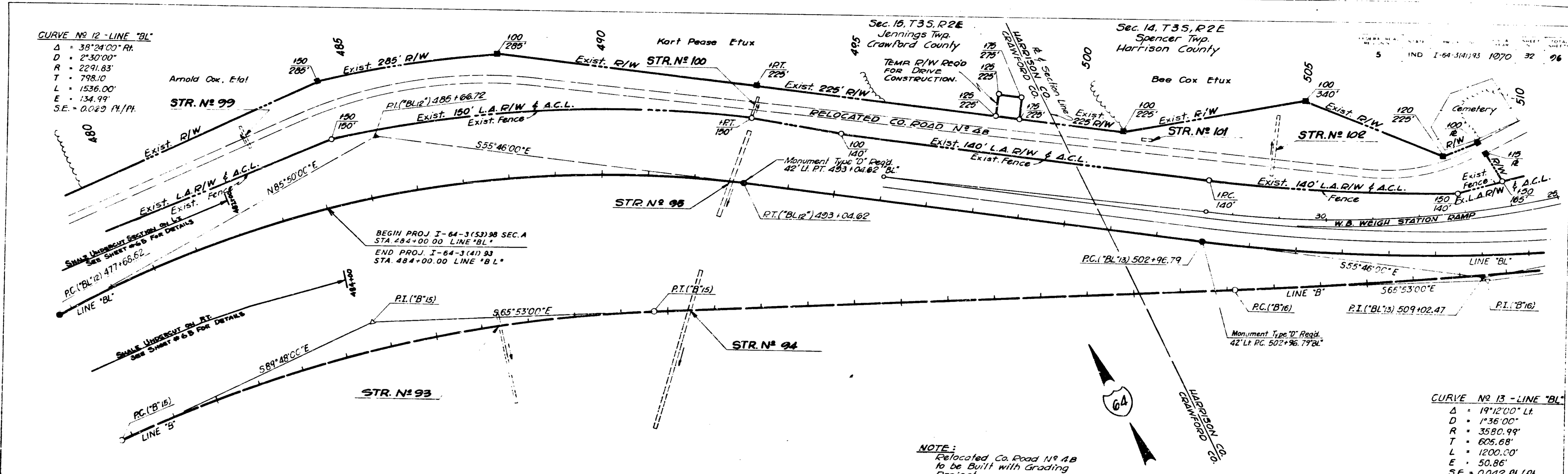
PROFILE  
 DATE: 11-6-61  
 BY: J.C.H.C.  
 CHECKED: J.C.H.C.  
 IN CHARGE: J.C.H.C.  
 NO. 1-64-3(4) 93

**CURVE NO 12 - LINE "BL"**  
 $\Delta = 38^{\circ}24'00''$  R.  
 $D = 2'30'00''$   
 $R = 2291.83'$   
 $T = 798.10'$   
 $L = 1536.00'$   
 $E = 134.99'$   
 $S.E. = 0.029$  M./P.H.

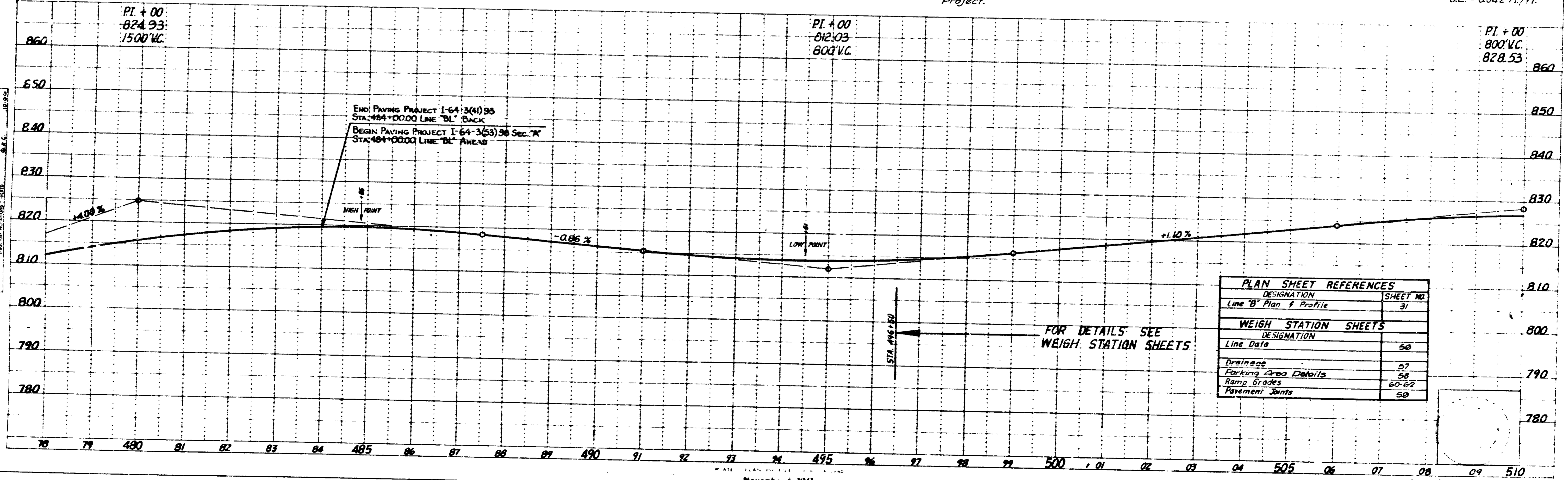
**CURVE NO 13 - LINE "BL"**  
 $\Delta = 19^{\circ}12'00''$  L.  
 $D = 1^{\circ}36'00''$   
 $R = 3580.99'$   
 $T = 605.68'$   
 $L = 1200.00'$   
 $E = 50.86'$   
 $S.E. = 0.042$  M./P.H.

**PLAN**  
 SHEET NO. 31  
 TOTAL SHEETS 32  
 DATE 11-6-61  
 BY J.M.C.  
 CHECKED J.M.C.  
 IN CHARGE J.M.C.  
 NO. 99815 P. 1 OF 11 CHECKED

**PROFILE**  
 SHEET NO. 31  
 TOTAL SHEETS 32  
 DATE 11-6-61  
 BY J.M.C.  
 CHECKED J.M.C.  
 IN CHARGE J.M.C.  
 NO. 99815 P. 1 OF 11 CHECKED



**NOTE:**  
 Relocated Co. Road No. 48  
 to be Built with Grading  
 Project.

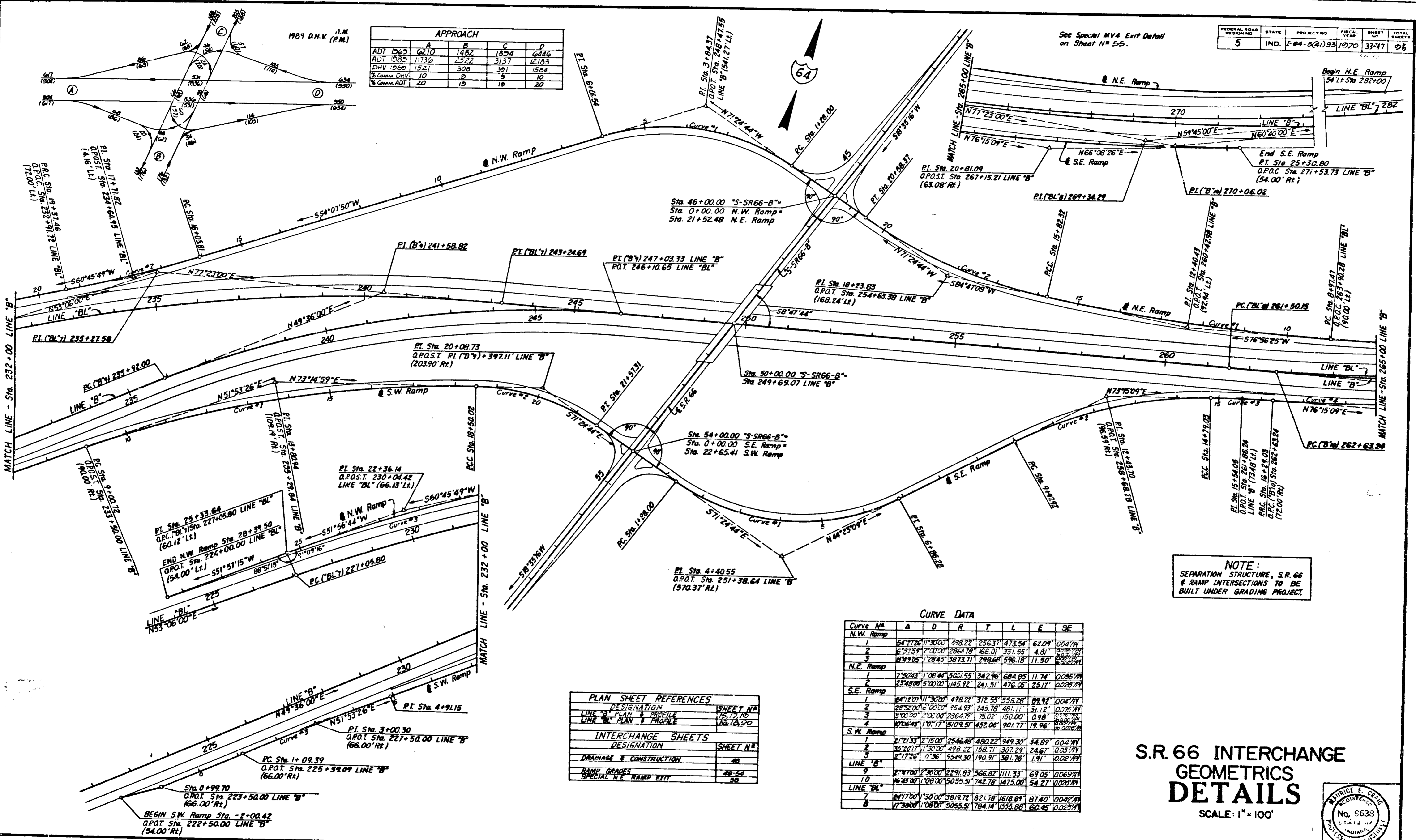


PLAN SHEET REFERENCES	
DESIGNATION	SHEET NO.
Line "B" Plan & Profile	31
WEIGH STATION SHEETS	
DESIGNATION	
Line Data	56
Drainage	57
Parking Area Details	58
Ramp Grades	60-62
Pavement Joints	59

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	F-64-3(2)93	1970	33-47	98

See Special MVA Exit Detail on Sheet No. 55.

APPROACH				
	A	B	C	D
ADT 1969	6210	1482	1854	6246
ADT 1985	11730	2522	3137	12183
DHV 1989	1521	308	391	1584
% Comm. DHV	10	9	9	10
% Comm. ADT	20	19	19	20



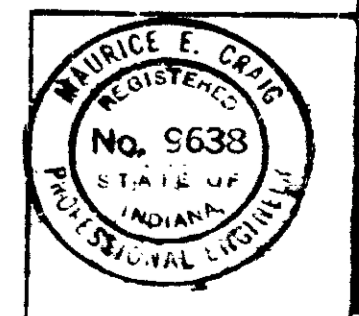
**NOTE:**  
SEPARATION STRUCTURE, S.R. 66 & RAMP INTERSECTIONS TO BE BUILT UNDER GRADING PROJECT.

CURVE DATA							
Curve No.	A	D	R	T	L	E	SE
N.W. Ramp							
1	54°22'26"11.3000"	498.22'	256.37'	473.54'	62.09'	0.04711"	
2	6°37'59"2.0000"	2864.79'	166.01'	351.65'	4.81'	0.000771"	
3	8°49'25"1.2845"	3873.71'	298.68'	596.18'	11.50'	0.002171"	
N.E. Ramp							
1	7°50'43"1.12844"	5021.55'	342.96'	684.05'	11.74'	0.006571"	
2	23°48'08"5.0000"	145.92'	241.51'	476.05'	25.17'	0.028771"	
S.E. Ramp							
1	64°12'07"11.3000"	498.22'	312.55'	558.28'	89.92'	0.04711"	
2	29°52'00"16.0000"	954.93'	245.78'	481.11'	31.12'	0.07571"	
3	5°02'00"12.0000"	2964.79'	75.02'	150.00'	0.98'	0.000771"	
4	17°06'45"1.0717"	5109.51'	452.06'	901.77'	19.96'	0.002171"	
S.W. Ramp							
1	21°21'33"2.1500"	2546.88'	480.22'	949.30'	54.89'	0.04711"	
2	35°20'17"1.3000"	498.22'	158.71'	307.29'	24.67'	0.03711"	
3	2°17'26"0.36"	9549.30'	190.91'	381.76'	1.91'	0.002171"	
LINE "B"							
9	2°47'00"2.3000"	2291.83'	566.82'	1111.33'	69.05'	0.06971"	
10	16°48'00"1.0800"	5055.51'	742.78'	1475.00'	54.27'	0.028771"	
LINE "BL"							
7	84°17'00"1.3000"	3819.72'	821.78'	1618.89'	87.40'	0.04711"	
8	17°30'00"1.0800"	5055.51'	784.14'	1555.88'	60.45'	0.028771"	

PLAN SHEET REFERENCES	
DESIGNATION	SHEET NO.
LINE "A" PLAN & PROFILE	151, 170
LINE "B" PLAN & PROFILE	168, 18, 50
INTERCHANGE SHEETS	
DESIGNATION	SHEET NO.
DRAINAGE & CONSTRUCTION	48
RAMP GRADES	48-54
SPECIAL N.E. RAMP EXIT	55

# S.R. 66 INTERCHANGE GEOMETRICS DETAILS

SCALE: 1" = 100'



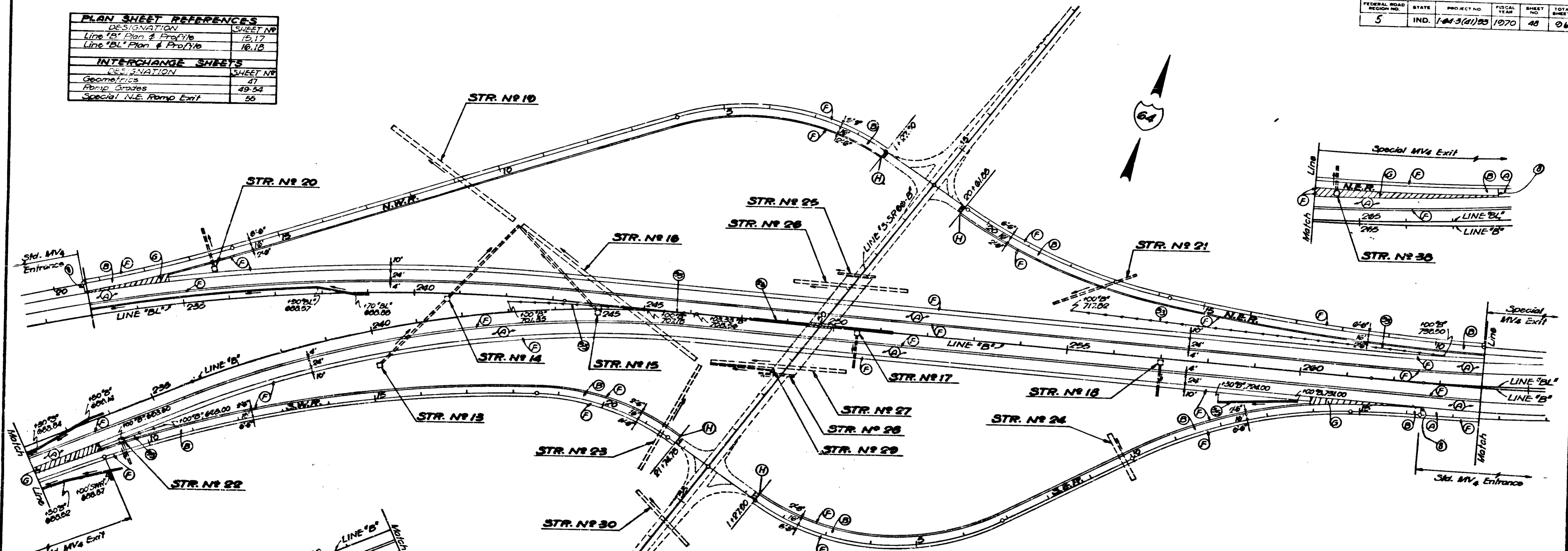
November 6, 1961

PROJECT NO.	LINE	SHEET	TOTAL SHEETS	FILE
F-64-3(2)93		33-47	98	



FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-64-3(1)93	1970	48	96

PLAN SHEET REFERENCES	
DESIGNATION	SHEET NO.
Line 'B' Plan & Profile	15,17
Line 'BL' Plan & Profile	16,18
INTERCHANGE SHEETS	
DESIGNATION	SHEET NO.
Geometrics	47
Ramp Grades	49-54
Special N.E. Ramp Exit	55



**SODDING FOR DITCHES**

LINE 'B'	(Sys.)
234+00 to 235+25 RL	111
243+25 to 247+03.95 LF	337
255+00 to 263+00 LF	712

**LIMITS OF THIS SHEET APPLY TO :**  
 Line 'B' - Sta. 232+00 to 264+00  
 Line 'BL' - Sta. 233+00 to 264+00

- PAVED SIDE DITCH TYPE "A" \***
- | LINE 'B'            | RSD (L.F.) | Soil (Sys.) |
|---------------------|------------|-------------|
| 250+30 to 260+00 RL | 175        | 51          |
- \* RSD Length from RSD Table.
- (G) GORE AREA See STA. MV<sub>4</sub>
    - "NWR" ----- 222.0 Sys.
    - "NER" ----- 487.0 "
    - "SWR" ----- 483.0 "
    - "SER" ----- 293.0 "
    - Total ----- 1493.00 x 244 1/2 Sys. = 6569 Tons
  - (H) Guard Rail, Type "F"
    - For Median Pier Protection ----- 324 L.F.
    - CLASS "A" CONCRETE FOR GUARD RAIL ----- 2 CYB
    - Reinforcing Steel #5 x 20'-0"
      - "NWR" MV<sub>4</sub> Entrance ----- 22
      - "NER" MV<sub>4</sub> Exit ----- 4
      - "SWR" MV<sub>4</sub> Exit ----- 4
      - "SER" MV<sub>4</sub> Entrance ----- 22
      - Total ----- 52 x 20'-0" = 1070' x 1.043 #1/ft = 1126 Lbs.
  - (H) Bituminous Surface & Base to Connect to 8" R.C. Pavement \*
    - NWR ----- 1 Ton, 10.8 Tons
    - NER ----- 1 Ton, 10.8 Tons
    - SWR ----- 1 Ton, 10.8 Tons
    - SER ----- 1 Ton, 10.8 Tons
- Bit Surf & Base (Respectively) \* HAC. Surface Type "B" on HAC Base OR H.A.E. Surface Type III on H.A.E. Base

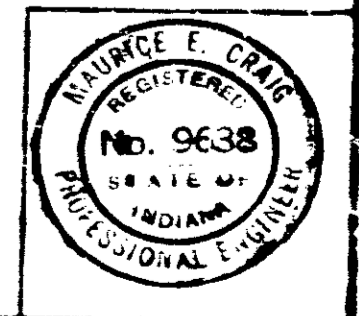
- LEGEND**
- (A) 11" R.C. Pavement.
  - (B) 8" R.C. Pavement on 4" Bit. Subbase
  - (F) 6" Bituminous Shoulder.
  - (G) Sec. Std. MV<sub>4</sub>.
  - (H) Bit. Surface & Base to Connect to (B)
  - (H) Guard Rail, Type "F".
  - (S) Sodding.
  - (SD) Paved Side Ditch.

NOTE: Line 'S-SR 66-B', Bridge, and Ramp Intersections to be built under Grading Contract.

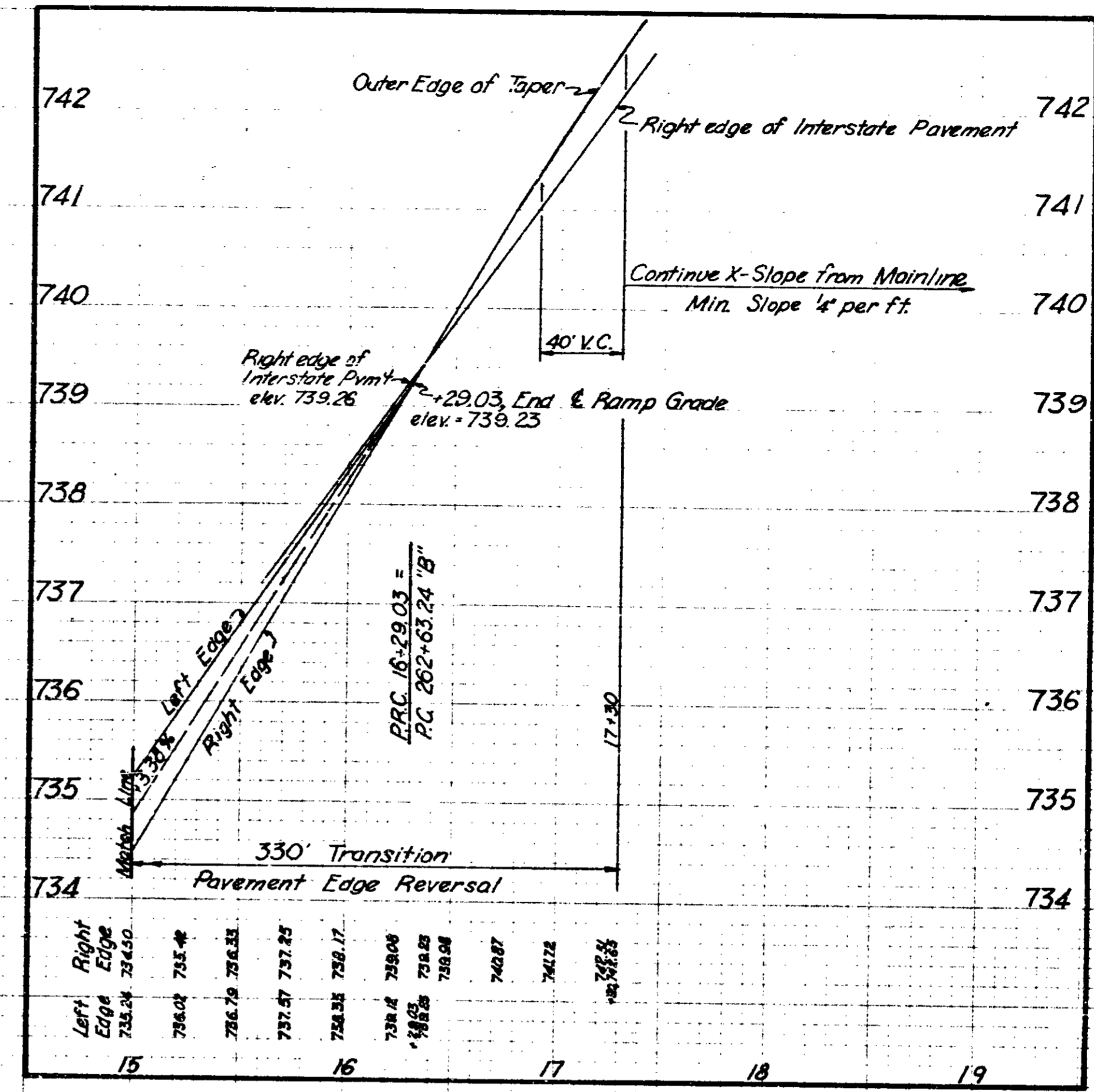
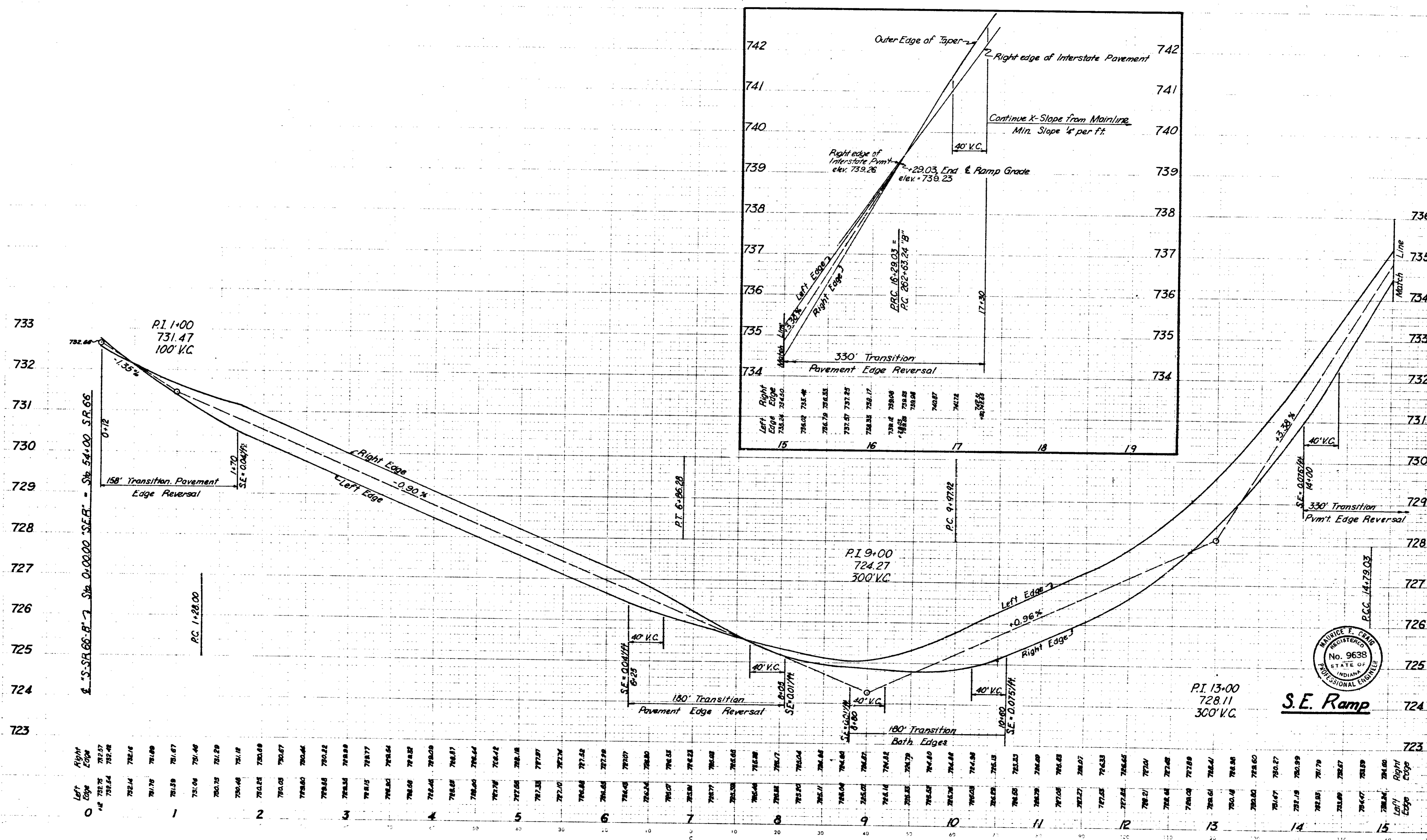
- PAVEMENT JOINTS**
- (E) Performed Expansion Joint with Load Transfer ----- 64 L.F.
  - (E) Construction Joint, Type D1 ----- 2908 L.F.

# S.R. 66 INTERCHANGE CONSTRUCTION & DRAINAGE DETAILS

SCALE: 1" = 100'



PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS
1-64-3(1)93		48	96



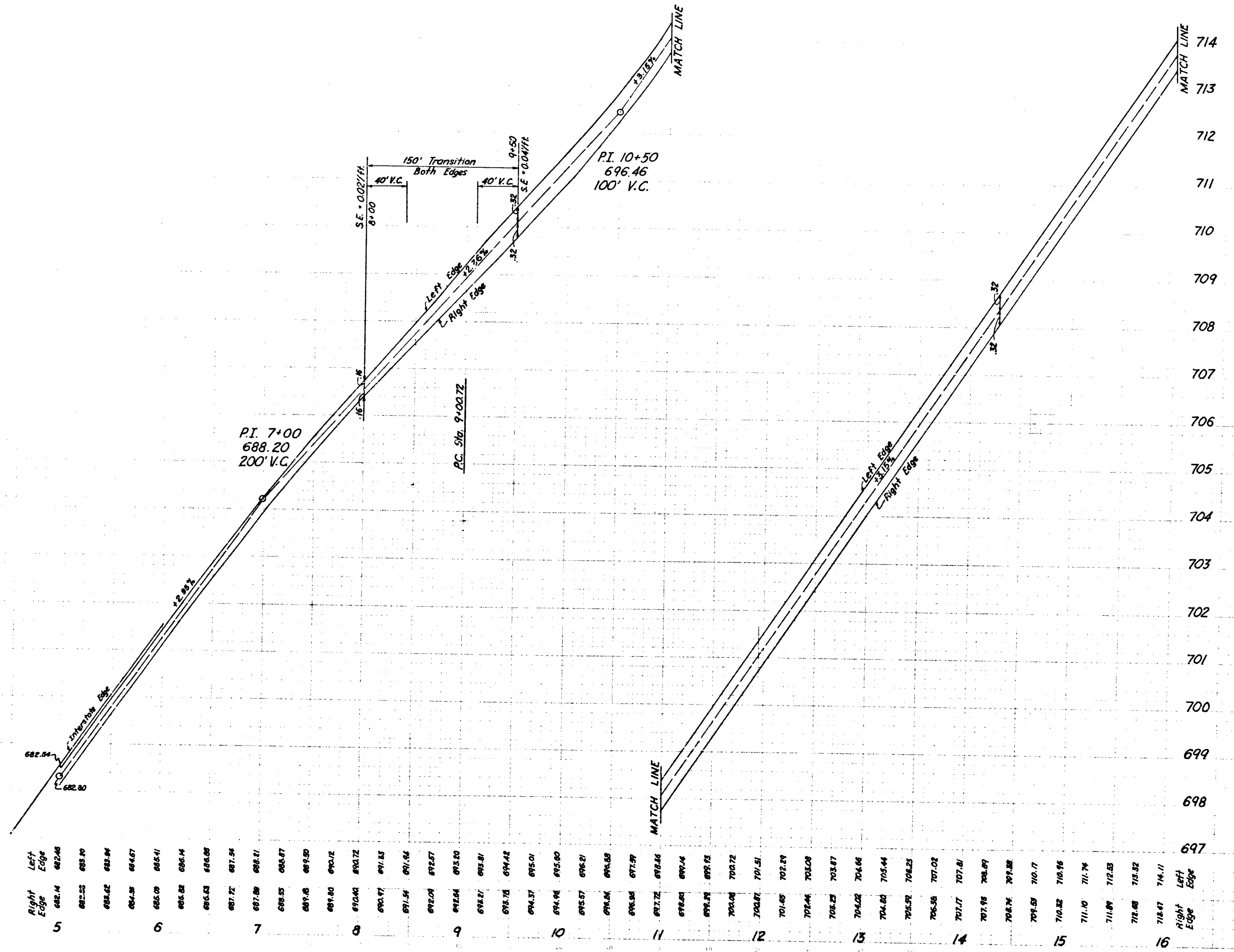
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732.66	731.47	730.87	730.46	730.24	730.12	730.08	730.07	730.06	730.05	730.04	730.03	730.02	730.01	730.00	729.99
732.66	731.47	730.87	730.46	730.24	730.12	730.08	730.07	730.06	730.05	730.04	730.03	730.02	730.01	730.00	729.99



S.E. Ramp

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697



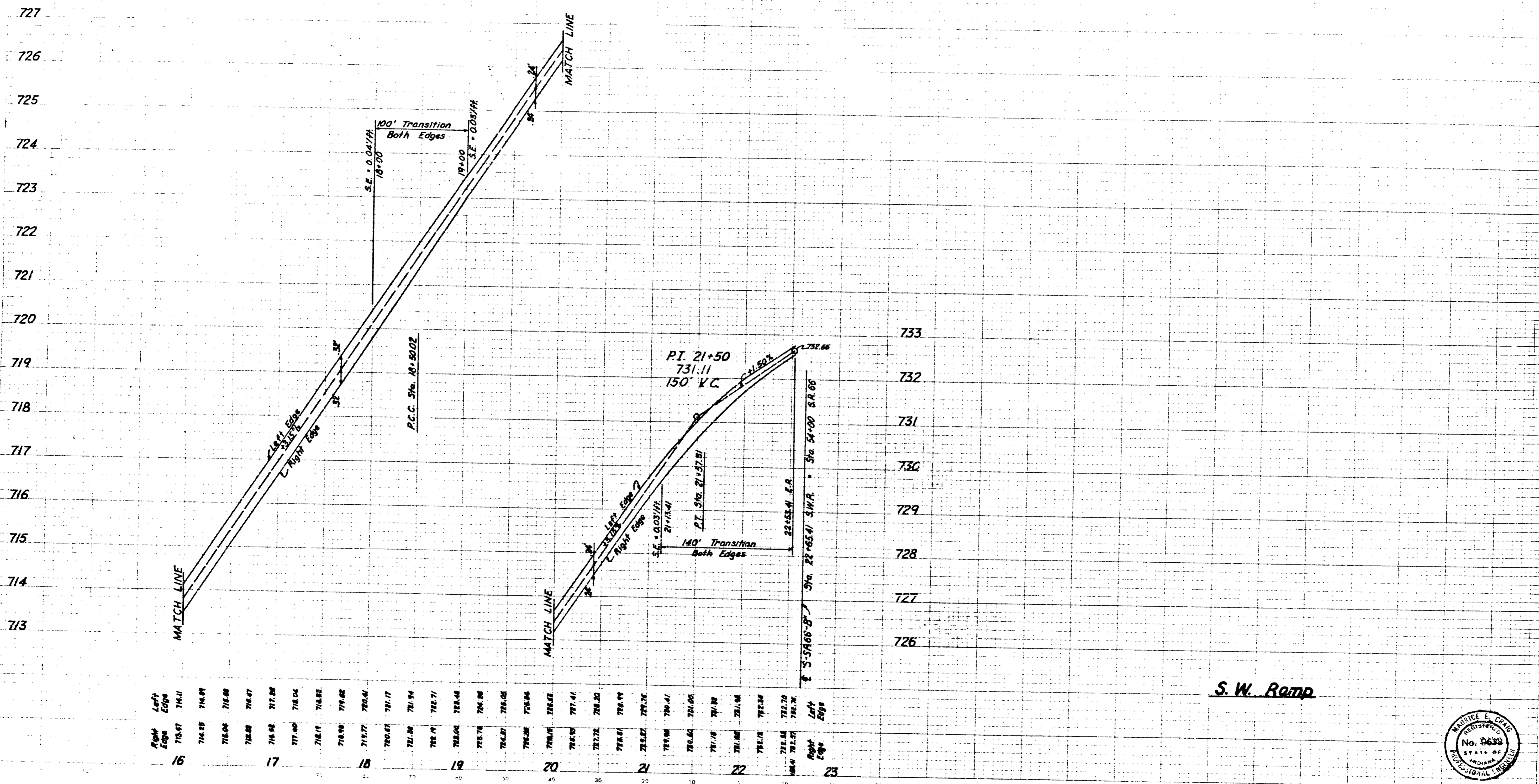
Right Edge	682.14	682.46	682.54	682.80	682.97	683.10	683.19	683.24	683.26	683.27	683.28	683.29	683.30	683.31	683.32	683.33	683.34	683.35	683.36	683.37	683.38	683.39	683.40	683.41	683.42	683.43	683.44	683.45	683.46	683.47	683.48	683.49	683.50	683.51	683.52	683.53	683.54	683.55	683.56	683.57	683.58	683.59	683.60	683.61	683.62	683.63	683.64	683.65	683.66	683.67	683.68	683.69	683.70	683.71	683.72	683.73	683.74	683.75	683.76	683.77	683.78	683.79	683.80	683.81	683.82	683.83	683.84	683.85	683.86	683.87	683.88	683.89	683.90	683.91	683.92	683.93	683.94	683.95	683.96	683.97	683.98	683.99	684.00	684.01	684.02	684.03	684.04	684.05	684.06	684.07	684.08	684.09	684.10	684.11	684.12	684.13	684.14	684.15	684.16	684.17	684.18	684.19	684.20	684.21	684.22	684.23	684.24	684.25	684.26	684.27	684.28	684.29	684.30	684.31	684.32	684.33	684.34	684.35	684.36	684.37	684.38	684.39	684.40	684.41	684.42	684.43	684.44	684.45	684.46	684.47	684.48	684.49	684.50	684.51	684.52	684.53	684.54	684.55	684.56	684.57	684.58	684.59	684.60	684.61	684.62	684.63	684.64	684.65	684.66	684.67	684.68	684.69	684.70	684.71	684.72	684.73	684.74	684.75	684.76	684.77	684.78	684.79	684.80	684.81	684.82	684.83	684.84	684.85	684.86	684.87	684.88	684.89	684.90	684.91	684.92	684.93	684.94	684.95	684.96	684.97	684.98	684.99	685.00
------------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

S.W. Ramp



November 6, 1961

LEVEL BOOK NO. \_\_\_\_\_ FILE \_\_\_\_\_  
 SHEET NO. 54 IND 24-3(4) 1970 50 68 96  
 LINE S.W. Ramp

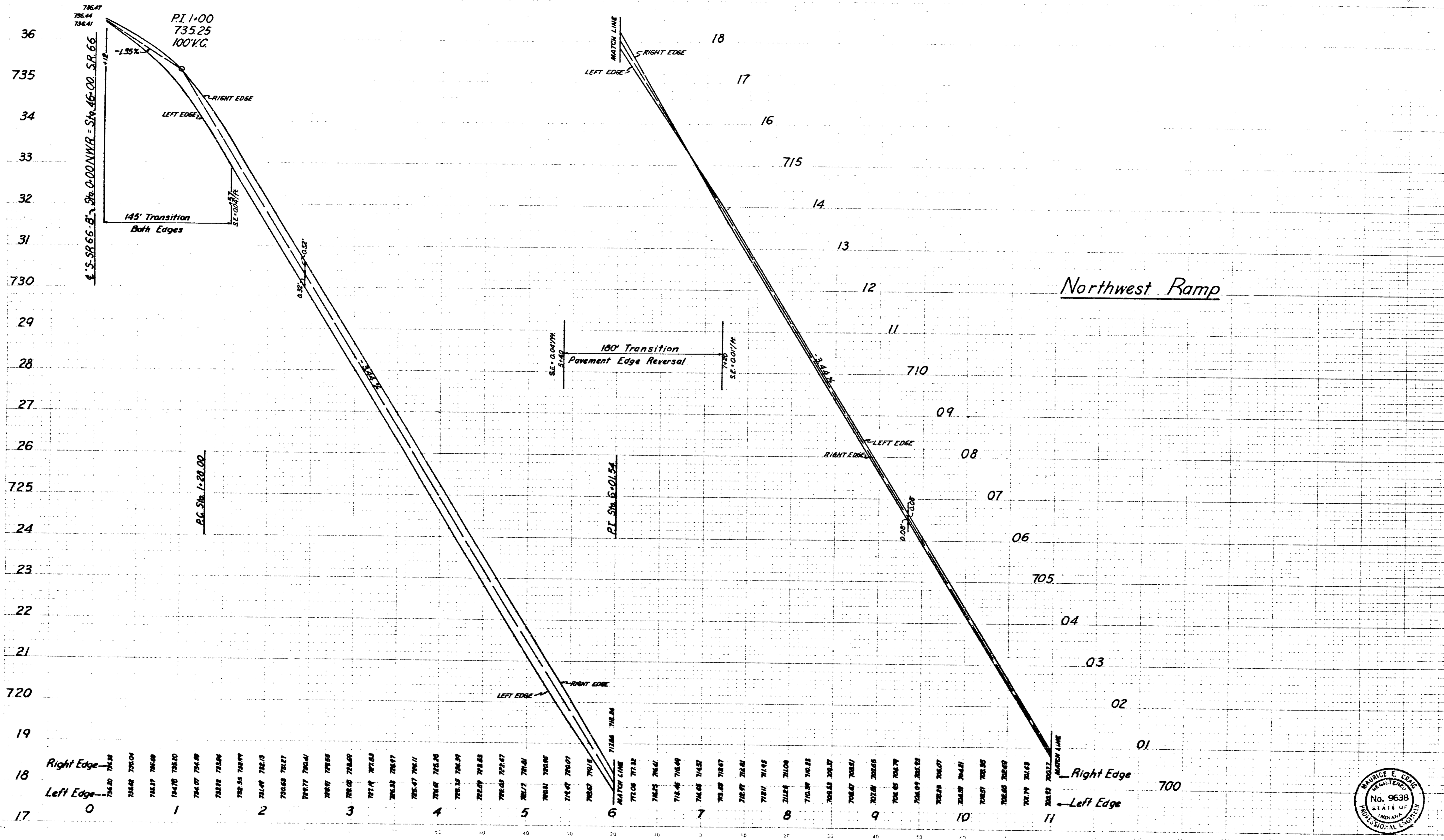


Station	Right Edge	Left Edge
16	718.47	714.11
	718.55	714.89
	718.64	715.68
	718.88	716.47
17	718.92	717.26
	717.40	718.04
	718.19	718.82
	718.98	719.61
	719.77	704.41
18	720.57	721.17
	721.36	721.96
	722.15	722.75
	722.94	723.54
	723.73	724.33
	724.52	725.12
	725.31	725.91
	726.10	726.70
	726.89	727.49
	727.68	728.28
	728.47	729.07
	729.26	729.86
	730.05	730.65
	730.84	731.44
	731.63	732.23
	732.42	733.02
	733.21	733.81
	734.00	734.60
	734.79	735.39
	735.58	736.18
	736.37	736.97
	737.16	737.76
	737.95	738.55
	738.74	739.34
	739.53	740.13
	740.32	740.92
	741.11	741.71
	741.90	742.50
	742.69	743.29
	743.48	744.08
	744.27	744.87
	745.06	745.66
	745.85	746.45
	746.64	747.24
	747.43	748.03
	748.22	748.82
	749.01	749.61
	749.80	750.40
	750.59	751.19
	751.38	751.98
	752.17	752.77
	752.96	753.56
	753.75	754.35
	754.54	755.14
	755.33	755.93
	756.12	756.72
	756.91	757.51
	757.70	758.30
	758.49	759.19
	759.28	760.08
	760.07	760.87
	760.86	761.66
	761.65	762.45
	762.44	763.24
	763.23	764.03
	764.02	764.82
	764.81	765.61
	765.60	766.40
	766.39	767.19
	767.18	767.98
	767.97	768.77
	768.76	769.56
	769.55	770.36
	770.34	771.14
	771.13	771.93
	771.92	772.72
	772.71	773.51
	773.50	774.30
	774.29	775.09
	775.08	775.88
	775.87	776.67
	776.66	777.46
	777.45	778.25
	778.24	779.04
	779.03	779.83
	779.82	780.62
	780.61	781.41
	781.40	782.20
	782.19	782.99
	782.98	783.78
	783.77	784.57
	784.56	785.36
	785.35	786.15
	786.14	786.94
	786.93	787.73
	787.72	788.52
	788.51	789.31
	789.30	790.10
	790.09	790.89
	790.88	791.68
	791.67	792.47
	792.46	793.26
	793.25	794.05
	794.04	794.84
	794.83	795.63
	795.62	796.42
	796.41	797.21
	797.20	798.00
	797.99	798.79
	798.78	799.58
	799.57	800.37
	800.36	801.16
	801.15	801.95
	801.94	802.74
	802.73	803.53
	803.52	804.32
	804.31	805.11
	805.10	805.90
	805.89	806.69
	806.68	807.48
	807.47	808.27
	808.26	809.06
	809.05	809.85
	809.84	810.64
	810.63	811.43
	811.42	812.22
	812.21	813.01
	813.00	813.80
	813.79	814.59
	814.58	815.38
	815.37	816.17
	816.16	816.96
	816.95	817.75
	817.74	818.54
	818.53	819.33
	819.32	820.12
	820.11	820.91
	820.90	821.70
	821.69	822.49
	822.48	823.28
	823.27	824.07
	824.06	824.86
	824.85	825.65
	825.64	826.44
	826.43	827.23
	827.22	828.02
	828.01	828.81
	828.80	829.60
	829.59	830.39
	830.38	831.18
	831.17	831.97
	831.96	832.76
	832.75	833.55
	833.54	834.34
	834.33	835.13
	835.12	835.92
	835.91	836.71
	836.70	837.50
	837.49	838.29
	838.28	839.08
	839.07	839.87
	839.86	840.66
	840.65	841.45
	841.44	842.24
	842.23	843.03
	843.02	843.82
	843.81	844.61
	844.60	845.40
	845.39	846.19
	846.18	846.98
	846.97	847.77
	847.76	848.56
	848.55	849.35
	849.34	850.14
	850.13	850.93
	850.92	851.72
	851.71	852.51
	852.50	853.30
	853.29	854.09
	854.08	854.88
	854.87	855.67
	855.66	856.46
	856.45	857.25
	857.24	858.04
	858.03	858.83
	858.82	859.62
	859.61	860.41
	860.40	861.20
	861.19	861.99
	861.98	862.78
	862.77	863.57
	863.56	864.36
	864.35	865.15
	865.14	865.94
	865.93	866.73
	866.72	867.52
	867.51	868.31
	868.30	869.10
	869.09	869.89
	869.88	870.68
	870.67	871.47
	871.46	872.26
	872.25	873.05
	873.04	873.84
	873.83	874.63
	874.62	875.42
	875.41	876.21
	876.20	877.00
	876.99	877.79
	877.78	878.58
	878.57	879.37
	879.36	880.16
	880.15	880.95
	880.94	881.74
	881.73	882.53
	882.52	883.32
	883.31	884.11
	884.10	884.90
	884.89	885.69
	885.68	886.48
	886.47	887.27
	887.26	888.06
	888.05	888.85
	888.84	889.64
	889.63	890.43
	890.42	891.22
	891.21	892.01
	892.00	892.80
	892.79	893.59
	893.58	894.38
	894.37	895.17
	895.16	895.96
	895.95	896.75
	896.74	897.54
	897.53	898.33
	898.32	899.12
	899.11	899.91
	899.90	900.70
	900.69	901.49
	901.48	902.28
	902.27	903.07
	903.06	903.86
	903.85	904.65
	904.64	905.44
	905.43	906.23
	906.22	907.02
	907.01	907.81
	907.80	908.60
	908.59	909.39
	909.38	910.18
	910.17	910.97
	910.96	911.76
	911.75	912.55
	912.54	913.34
	913.33	914.13
	914.12	914.92
	914.91	915.71
	915.70	916.50
	916.49	917.29
	917.28	918.08
	918.07	918.87
	918.86	919.66
	919.65	920.45
	920.44	921.24
	921.23	922.03
	922.02	922.82
	922.81	923.61
	923.60	924.40
	924.39	925.19
	925.18	925.98
	925.97	926.77
	926.76	927.56
	927.55	928.35
	928.34	929.14
	929.13	929.93
	929.92	930.72
	930.71	931.51
	931.50	932.30
	932.29	933.09
	933.08	933.88
	933.87	934.67
	934.66	935.46
	935.45	936.25
	936.24	937.04
	937.03	937.83
	937.82	938.62
	938.61	939.41
	939.40	940.20
	940.19	940.99
	940.98	941.78
	941.77	942.57
	942.56	943.36
	943.35	944.15
	944.14	944.94
	944.93	945.73
	945.72	946.52
	946.51	947.31
	947.30	948.10
	948.09	948.89
	948.88	949.68
	949.67	950.47
	950.46	951.26
	951.25	952.05
	952.04	952.84
	952.83	953.63
	953.62	954.42
	954.41	955.21
	955.20	956.00
	955.99	956.79
	956.78	957.58
	957.57	958.37
	958.36	959.16
	959.15	960.00
	960.00	960.80
	960.80	961.60
	961.60	962.40
	962.40	963.20
	963.20	964.00
	964.00	964.80
	964.80	965.60
	965.60	966.40
	966.40	967.20
	967.20	968.00
	968.00	968.80
	968.80	969.60
	969.60	970.40
	970.40	971.20
	971.20	972.00
	972.00	972.80
	972.80	973.60
	973.60	974.40
	974.40	975.20
	975.20	976.00
	976.00	976.80
	976.80	977.60
	977.60	978.40
	978.40	979.20
	979.20	980.00
	980.00	980.80
	980.80	981.60
	981.60	982.40
	982.40	983.20
	983.20	984.00
	984.00	984.80
	984.80	985.60
	985.60	986.40
	986.40	987.20
	987.20	988.00
	988.00	988.80
	988.80	989.60
	989.60	990.40
	990.40	991.20
	991.20	992.00
	992.00	992.80
	992.80	993.60
	993.60	994.40
	994.40	995.20
	995.20	996.00
	996.00	996.80
	996.80	997.60
	997.60	998.40
	998.40	999.20
	999.20	1000.00

S.W. Ramp



LEVEL BOOK NO.	FILE
FEDERAL ROAD DISTRICT	SHEET
STATE PROJECT NO.	TOTAL SHEETS
IND. 1443(4) 1970	61
LINE S.W. Ramp	

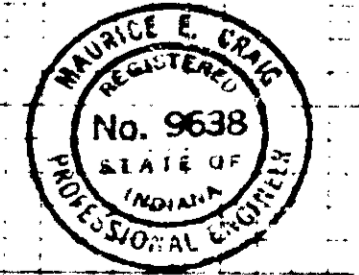


Northwest Ramp

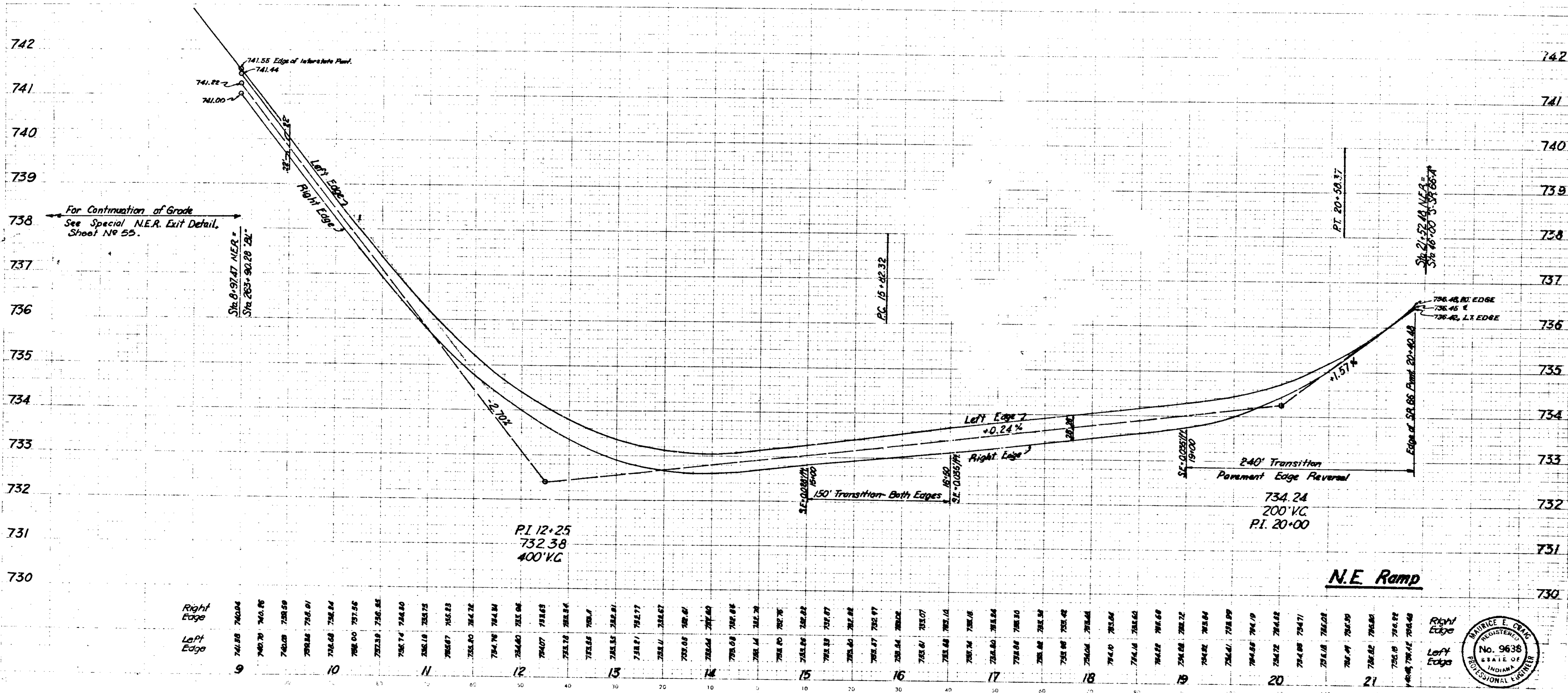
Right Edge	736.20	736.24	736.28	736.32	736.36	736.40	736.44	736.48	736.52	736.56	736.60	736.64	736.68	736.72	736.76	736.80	736.84	736.88	736.92	736.96	737.00	737.04	737.08	737.12	737.16	737.20	737.24	737.28	737.32	737.36	737.40	737.44	737.48	737.52	737.56	737.60	737.64	737.68	737.72	737.76	737.80	737.84	737.88	737.92	737.96	738.00
Left Edge	736.20	736.24	736.28	736.32	736.36	736.40	736.44	736.48	736.52	736.56	736.60	736.64	736.68	736.72	736.76	736.80	736.84	736.88	736.92	736.96	737.00	737.04	737.08	737.12	737.16	737.20	737.24	737.28	737.32	737.36	737.40	737.44	737.48	737.52	737.56	737.60	737.64	737.68	737.72	737.76	737.80	737.84	737.88	737.92	737.96	738.00

November 6, 1961

LEVEL	BOOK NO.	FILE
IND 164-34(1)	5	1970 02 00 74
LINE NW Ramp		





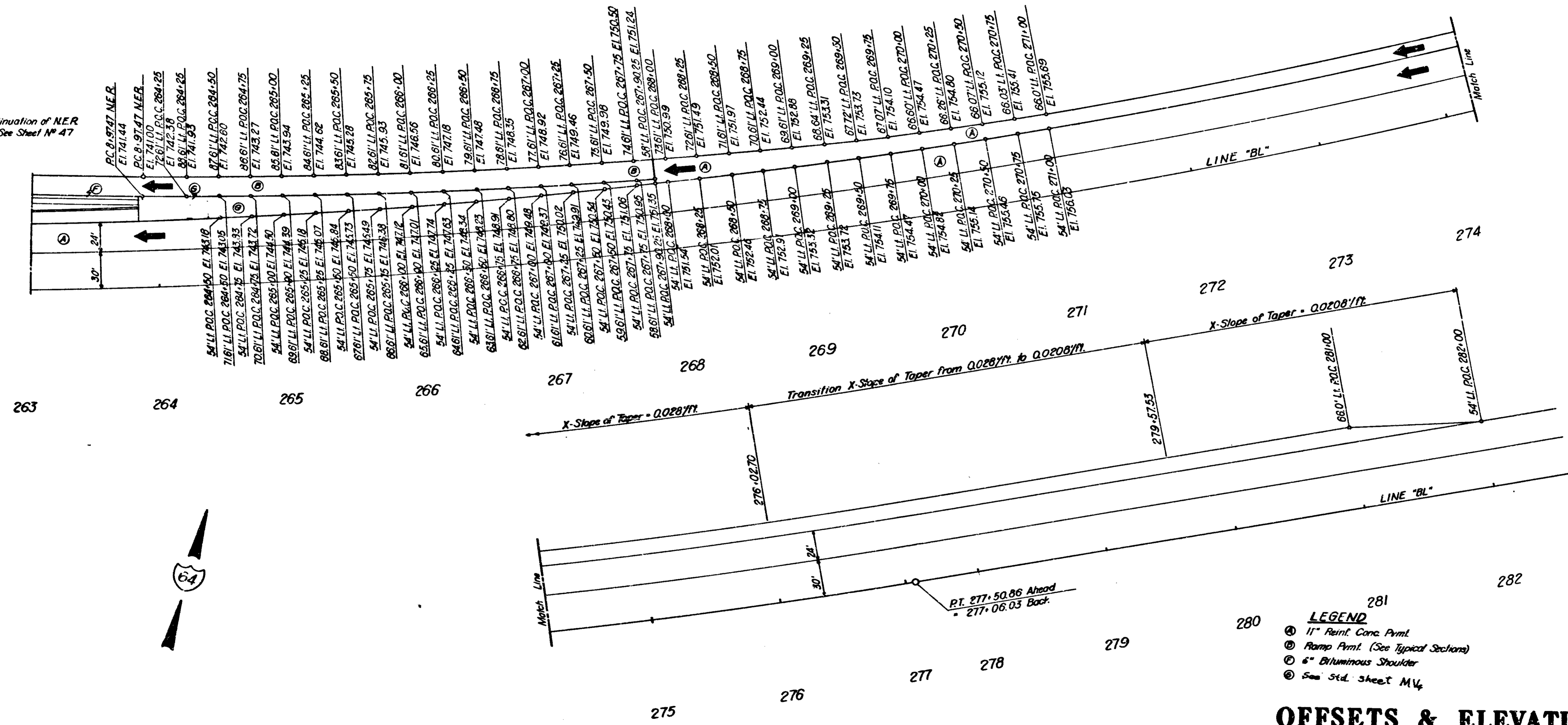


November 6, 1961

LEVEL BOOK NO. \_\_\_\_\_ FILE NO. \_\_\_\_\_  
 LOCAL ROAD NO. \_\_\_\_\_ STATE PROJECT NO. \_\_\_\_\_ FISCAL YEAR \_\_\_\_\_  
 SHEET NO. 5 OF 5 IND. 361-240-89 1970 24 05 24  
 LINE N.E. Ramp

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-64-3(4) 93	1970	55	96

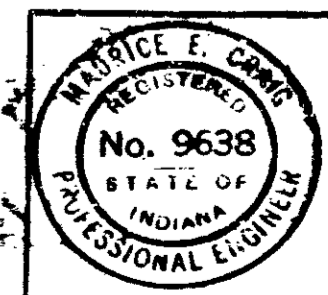
Note:  
For Continuation of N.E.R.  
Lane Data, See Sheet No. 47



- 280 **LEGEND**
- ⊙ 11" Reinf. Conc. Pymt.
  - ⊙ Ramp Pymt. (See Typical Sections)
  - ⊙ 6" Bituminous Shoulder
  - ⊙ See Std. Sheet MV<sub>4</sub>

**OFFSETS & ELEVATIONS  
FOR  
SPECIAL N.E.R. EXIT  
DETAILS.**  
SCALE: 1" = 40'

**SR.66 INTERCHANGE**



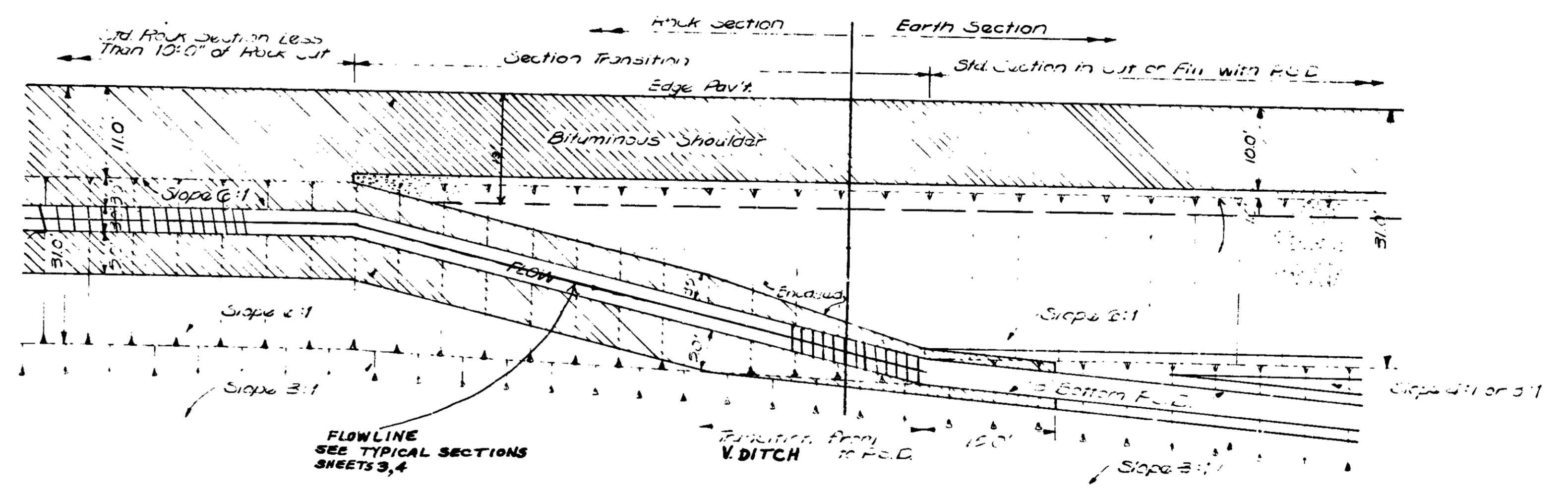
November 6, 1961

PROJECT NO.	DATE	SHEET NO.	TOTAL SHEETS	FILE
1-64-3(4) 93		55	96	





PAVED SIDE DITCH													
STA. TO STA.	LOCATION	LUGS	CUT-OFF WALL	TYPE								SOD	SODDED LENGTH
				A	B	C	D	E	F	G	H		
258+30 to 260+00	Line "B" on Right	Each	Each	175								51	175
373+00 to 377+50	Line "B" in Median		1		435							129	435
377+50 to 385+00	Line "B" in Median			770								237	770
385+00 to 390+50	Line "B" in Median				517							164	517
390+50 to 398+00	Line "B" in Median			750								225	750
398+00 to 403+50	Line "B" in Median		1		225							102	225
403+50 to 408+00	Line "B" in Median				225							102	225
408+00 to 415+00	Line "B" in Median			325								142	325
415+00 to 421+00	Line "B" in Median				1000							327	1000
421+00 to 429+00	Line "B" in Median											180	400
429+00 to 435+50	Line "B" in Median			470								135	470
435+50 to 438+50	Line "B" in Median				270							117	270
438+50 to 444+00	Line "B" in Median											180	400
444+00 to 446+50	Line "B" in Median			270								90	270
446+50 to 451+50	Line "B" in Median				150							50	150
451+50 to 458+00	Line "B" in Median		1	225								125	225
458+00 to 468+00	Line "B" in Median		2	450		200	200					134	475
299+50 To 300+50	LINE "B" ON RIGHT	0	0	100								30	100
464+05 To 467+50	LINE "B" ON RIGHT	2	1	345								98	330
	TOTALS	2	4	2640	1537	500	500					1243	



PLAN VIEW OF DITCH TRANSITION FROM ROCK CUT LESS THAN 10 FT. TO EARTH CUT OR FILL WITH P.S.D.  
Scale: 1" = 100'

Indicates Bitum. Surface      Indicates Sodding

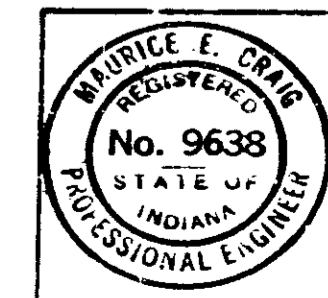
# DETAILS

LINE	LOCATION		6" GROUP "K" PIPE LFT.		3" OUTLETS					AGGREGATE FOR UNDERDRAINS CYS	DELINEATOR POSTS EACH	SODDING SQ. YDS.	REMARKS
	FROM STATION	TO STATION	LEFT	RIGHT	TEE	90° ELBOW	45° ELBOW	FBCSP LFT.	STATION				
	"BL" Westbound	201+50	209+36		786				40				
"B" Eastbound	198+50	211+00	1250		/		/	42	198+20	116	1	2	Median Side.
" "	198+50	199+35		85		/		37		11			Transverse drain to Lt. at Sta. 198+50.
" "	211+00	235+92	2492		/		/	42	210+70	228	1	2	Median Side.
" "	211+00	9+80 "SWR"		2330	/	/		37		213			Transverse drain to Lt. at Sta. 211+00.
" "	229+50	234+30		480		/		20		45			Transverse drain to Rt. at Sta. 229+50, Connect to "SWR" underdrain at Sta. 5+00.
" "	234+50	243+00		870		/		40		82			Transverse drain to Rt. at Sta. 234+30, Connect to "SWR" underdrain at Sta. 9+80.
" "	235+92	247+60	1168			/	/	40	#	87	1	2	Median Side.
"SWR"	9+80	21+74.78		1195	/		/	42	9+50	111	1	2	Median Side.
"B" Eastbound	247+60	257+35	975			/		28		90			Median Side, Transverse drain to Rt. at Sta. 247+60.
" "	247+60	257+35		975	/		/	42	247+30	92	1	2	
"SER"	1+2790	7+60	632			/		20		59			Transverse drain to Rt. at Sta. 7+60.
"SER"	7+60	16+35		875	/	/		29	9+60	81	1	2	Low Point, Sta. 9+60.
"B" Eastbound	257+35	282+02	2470		/	/		28		225			Median Side, Transverse drain to Rt. at Sta. 257+35.
" "	257+35	262+60		575	/		/	42	257+05	55	1	2	
" "	262+60	277+38		1478		/	/	40	#	110	1	2	
" "	277+38	282+05		467		/		28		45			Transverse drain to Lt. at Sta. 277+38.
" "	282+05	294+55	1250			/		37		116			Median Side, Transverse drain to Rt. at Sta. 294+55.
" "	282+05	294+55		1250	/		/	29	294+75	115	1	2	
" "	294+55	302+35	780		/		/	42	302+65	74	1	2	Median Side.
" "	294+55	302+35		780		/		28		73			Transverse drain to Lt. at Sta. 302+35.
" "	302+35	309+75	740			/		28		69			Median Side, Transverse drain to Rt. at Sta. 309+75.
" "	302+35	309+75		740	/		/	42	310+05	70	1	2	
" "	309+75	317+08	733			/		42	317+38	70	1	2	Median Side.
" "	317+08	329+73	1265			/		40	#	94	1	2	Median Side.
" "	317+00	328+70		1170		/	/	42	329+00	109	1	2	Median Side.
" "	329+73	342+00	1227		/			57	334+98.99	116	1	2	Median Side, Transverse drain to Rt. at Low Point Sta. 334+98.99.
"BL" Westbound	346+95	355+00		805		/	/	40	#	60	1	2	Median Side.
"B" Eastbound	342+00	354+00	1200			/	/	70	341+70	114	1	2	Median Side, Transverse drain to Rt. at Sta. 342+00.
" "	354+00	365+08	1108			/	/	70	353+70	106	1	2	Median Side, Transverse drain to Rt. at Sta. 354+00.
" "	365+08	378+70	1362			/	/	70	379+00	129	1	2	Median Side, Transverse drain to Rt. at Sta. 378+70.
" "	365+08	373+00		792		/	/	42	373+30	75	1	2	
" "	378+70	398+60	1990		/			57	390+50	184	1	2	Median Side, Transverse drain to Rt. at Low Point Sta. 390+50.
" "	379+30	390+30		1100		/	/	29	390+50	102	1	2	
"B" Eastbound	398+60	402+93	433			/		28		42			Median Side, Transverse drain to Rt. at Sta. 398+60.
Sub-Totals			21075	16753	13	16	20	1390		3428	23	46	
Totals This Sheet			37965 #		13	16	20	1390		3428	23	46	

\* Includes Tees and Elbows.  
 \* Location of outlet to be as directed by the Engineer.

Note: All C.S. Pipe to be 18 Gauge.  
 Additional Length Allowance:  
 5L.Ft. for each tee connection.  
 2L.Ft. for each joint.

# DETAILS



## PIPE FOR UNDERDRAINS

LINE	LOCATION		6" GROUP "K" PIPE LFT.		TEE	6" OUTLETS			AGGREGATE FOR UNDERDRAINS CYS	DELINEATOR POSTS EACH	SODDING ST. YDS	REMARKS
	FROM STATION	TO STATION	LEFT	RIGHT		90° ELBOW	45° ELBOW	FBCSP LFT.				
"B" Eastbound	398+60	410+40		1180	/	/	42	398+30	110	1	2	
"	402+93	418+95	1602			/	40	*	120	1	2	Median Side
"	410+40	423+50		1310	/				118			Connect to Str N <sup>o</sup> 64.
"	418+95	428+30	935		/		28		87			Median Side, Transverse drain to Rt at Sta 418+95
"	428+30	438+30	1000			/	42	428+00	94	1	2	Median Side
"	438+30	448+00	970			/	42	438+00	91	1	2	Median Side
"	448+00	458+00	1000			/	42	447+70	94	1	2	Median Side
"	458+00	471+45	1345			/	42	457+70	125	1	2	Median Side
"	457+30	471+45		1415		/	42	457+00	131	1	2	
"	471+45	477+74	629		/	/	42	471+15	60	1	2	Median Side
"	477+74	484+00	626			/	40	*	47	1	2	Median Side
"	471+45	481+92		1047	/		37		98			Transverse drain to Lt at Sta 471+45.
"	481+92	484+00		208					23			Connect to underdrain ahead
"	489+70	510+91	2121		/		29	491+77.42	194	1	2	Median Side, Low Point at Sta 491+77.42
"	495+70	502+15		645	/		20		60			Transverse drain to Rt at Sta 495+70, Connect to Weight Station E.B. Ramp underdrain at Sta 6+00.
Weight Sta E.B. Ramp	6+00	13+00		700	/	/	42	5+70	67	1	2	
Weight Sta E.B. Ramp	17+07	21+07		400		/	29	16+87	39		2	E.B. Weight Station Parking Area.
"B" Eastbound	510+91	524+02	1311			/	42	524+32	122	1	2	Median Side
"	512+98	515+68		270	/		34		27			Transverse drain to Rt at Sta 515+68, Connect to Weight Station E.B. Ramp underdrain at Sta 26+30.
Weight Sta E.B. Ramp	19+57	24+05	448		/		20		42			Transverse drain to Rt at Sta 24+05.
Weight Sta E.B. Ramp	24+05	29+90		585	/	/	42	30+20	56	1	2	
"B" Eastbound	530+75	539+58		883		/	42	530+45	83	1	2	
"	539+58	547+11	753			/	42	539+28	72	1	2	Median Side.
"	547+11	561+70	1459		/	/	42	562+00	135		2	Median Side.
"	547+00	560+50		1350	/		37		125			Transverse drain to Lt at Sta 560+50.
"	561+70	573+35	1165			/	42	573+65	109	1	2	Median Side
"	573+35	588+70	1535		/	/	70	589+00	144	1	2	Median Side, Transverse drain to Rt at Sta 588+70.
"	588+70	593+32	462		/		37		45			Median Side, Transverse drain to Rt at Sta 593+32
"	589+25	609+61*		2034	/	/	29	609+81	186	1	2	
"	609+61	619+50	989		/	/	70	619+80	95	1	2	Median Side, Transverse drain to Rt at Sta 619+50
"B" Eastbound	619+50	628+30	880		/		37		83			Median Side, Transverse drain to Rt at Sta 628+30.
<b>Sub-Totals</b>			<b>5107</b>	<b>5160</b>	<b>3</b>	<b>2</b>	<b>9</b>		<b>439</b>		<b>9</b>	<b>18</b>
<b>Totals This Sheet</b>			<b>13304**</b>		<b>3</b>	<b>2</b>	<b>9</b>		<b>439</b>		<b>9</b>	<b>18</b>

\* See Station Equation

\*\* Includes Tees and Elbows

\* Location of outlet to be directed by the Engineer.

Note: All CS Pipe to be 18 Gauge  
 Additional Length Allowance:  
 5 Lft for each tee connection.  
 2 Lft for each elbow

# DETAILS

PIPE FOR UNDERDRAINS													
LINE	LOCATION		6" GROUP "K" PIPE LFT.		6" OUTLETS					AGGREGATE FOR UNDERDRAINS CYS	DELINEATOR POSTS EACH	SODDING SQ. YDS.	REMARKS
	FROM STATION	TO STATION	LEFT	RIGHT	TEE	90° ELBOW	45° ELBOW	FBCGSP LFT.	STATION				
<del>"B" Eastbound</del>	<del>619+80</del>	<del>628+30</del>	<del></del>	<del>850</del>	<del>/</del>	<del></del>	<del>/</del>	<del>29</del>	<del>628+50</del>	<del>79</del>	<del>1</del>	<del>2</del>	<del></del>
<del>" "</del>	<del>628+30</del>	<del>638+50</del>	<del>1020</del>	<del></del>	<del>/</del>	<del>/</del>	<del>70</del>	<del>638+80</del>	<del>98</del>	<del>1</del>	<del>2</del>	<del>Median Side, Transverse drain to Rt at Sta. 638+50.</del>	
<del>" "</del>	<del>638+50</del>	<del>648+50</del>	<del>1000</del>	<del></del>	<del>/</del>	<del>/</del>	<del>70</del>	<del>648+80</del>	<del>96</del>	<del>1</del>	<del>2</del>	<del>Median Side, Transverse drain to Rt at Sta. 648+50.</del>	
<del>" "</del>	<del>648+50</del>	<del>659+12</del>	<del>1062</del>	<del></del>	<del>/</del>	<del></del>	<del>57</del>	<del>656+00</del>	<del>101</del>	<del>1</del>	<del>2</del>	<del>Median Side, Transverse drain to Rt at Low Point Sta. 656+00.</del>	
<del>" "</del>	<del>663+55</del>	<del>675+00</del>	<del>1145</del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del>103</del>	<del></del>	<del></del>	<del>Median Side, Connect to Str N<sup>o</sup> 137.</del>	
<del>" "</del>	<del>663+55</del>	<del>674+75</del>	<del></del>	<del>1120</del>	<del></del>	<del></del>	<del></del>	<del></del>	<del>101</del>	<del></del>	<del></del>	<del>Connect to Str N<sup>o</sup> 137.</del>	
<del>" "</del>	<del>675+00</del>	<del>685+00</del>	<del>1000</del>	<del></del>	<del>/</del>	<del>/</del>	<del>70</del>	<del>674+70</del>	<del>96</del>	<del>1</del>	<del>2</del>	<del>Median Side, Transverse drain to Rt at Sta. 675+00.</del>	
<del>" "</del>	<del>685+00</del>	<del>693+75</del>	<del>875</del>	<del></del>	<del>/</del>	<del>/</del>	<del>70</del>	<del>684+70</del>	<del>85</del>	<del>1</del>	<del>2</del>	<del>Median Side, Transverse drain to Rt at Sta. 685+00.</del>	
<del>" "</del>	<del>693+75</del>	<del>708+00</del>	<del>1425</del>	<del></del>	<del>/</del>	<del></del>	<del>28</del>	<del></del>	<del>131</del>	<del></del>	<del></del>	<del>Median Side, Transverse drain to Rt at Sta. 693+75.</del>	
<del>" "</del>	<del>693+75</del>	<del>707+75</del>	<del></del>	<del>1400</del>	<del>/</del>	<del>/</del>	<del>42</del>	<del>693+45</del>	<del>130</del>	<del>1</del>	<del>2</del>	<del></del>	
<del>" "</del>	<del>708+00</del>	<del>713+32</del>	<del>532</del>	<del></del>	<del>/</del>	<del>/</del>	<del>70</del>	<del>707+70</del>	<del>54</del>	<del>1</del>	<del>2</del>	<del>Median Side, Transverse drain to Rt. at Sta. 708+00.</del>	
<del>" "</del>	<del>716+40</del>	<del>726+25</del>	<del></del>	<del>985</del>	<del></del>	<del>/</del>	<del>42</del>	<del>726+55</del>	<del>92</del>	<del>1</del>	<del>2</del>	<del></del>	
<del>" "</del>	<del>730+30</del>	<del>738+75</del>	<del></del>	<del>845</del>	<del></del>	<del>/</del>	<del>42</del>	<del>730+00</del>	<del>80</del>	<del>1</del>	<del>2</del>	<del></del>	
<del>"B" Eastbound</del>	<del>741+00</del>	<del>742+11.41</del>	<del>112</del>	<del></del>	<del></del>	<del>/</del>	<del>42</del>	<del>740+70</del>	<del>14</del>	<del>1</del>	<del>2</del>	<del></del>	
"BL" Westbound	201+50	208+70	720		/	/	79	201+20	72	1	2	Transverse drain to Rt at Sta. 201+50.	
" "	209+36	232+92 *		2356		/	42	209+06	216	1	2	Median Side.	
" "	212+80	227+06 *	1427			/	42	212+50	132	1	2		
" "	232+92	241+00		808	/		48		77			Median Side, Transverse drain to Lt. at Sta. 232+92. Connect to NWRamp underdrain at Sta. 19+37.	
"NWR"	1+27.90	5+85	457		/		20		43			Transverse drain to Rt at Sta. 5+85.	
"NWR"	5+85	19+37		1352	/	/	42	19+67	125	1	2		
"BL" Westbound	241+00 "BL"	254+75 "B" *		1283		/	42	240+70 "BL"	119	1	2	Median Side.	
" "	245+00 "BL"	254+75 "B" *	883			/	42	244+70 "BL"	83	1	2		
"B" Westbound	254+75	261+50		675	/		28		63			Median Side, Transverse drain to Lt. at Sta. 254+75.	
" "	254+75 "B"	267+90 "BL" *	1315		/	/	42	254+75 "B"	122	1	2		
"NER"	8+35	20+61.85	1227		/		29	13+85	113	1	2	Low Point at Sta. 13+85.	
"BL" Westbound	264+80	274+76	996			/	42	264+50	93	1	2		
" "	277+51	296+50		1899	/		28		173			Median Side, Transverse drain to Lt. at Sta. 296+50.	
" "	274+76	296+50 *	2130		/	/	42	296+80	195	1	2		
"BL" Westbound	296+50	308+50		1200	/		28		111			Median Side, Transverse drain to Lt at Sta. 308+50.	
Sub-Totals			9155	9573	4	7	9	596	1737	10	20		
Totals This Sheet			18780 **		4	7	9	596	1737	10	20		

\* See Station Equation

\*\* Includes Tees and Elbows.

Note: All C.S. Pipe to be 18 Gauge.  
 Additional Length Allowance:  
 5 L.Ft. for each tee connection.  
 2 L.Ft. for each elbow.

# DETAILS

## PIPE FOR UNDERDRAINS

LINE	LOCATION		6" GROUP "K" PIPE LFT		6" OUTLETS				STATION	AGGREGATE FOR UNDERDRAINS CYS	COLINEATOR FEET EACH	STANDING SQ. YDS.	REMARKS
	FROM STATION	TO STATION	LEFT	RIGHT	TEE	90° ELBOW	45° ELBOW	FBCGSP LFT.					
	"BL" Westbound	305+00	308+50	350		/		/					
"	308+50	318+00*		997			/	42	318+30	94	1	2	Median Side.
"	318+00	326+50		850		/	/	70	326+80	83	1	2	Median Side, Transverse drain to Lt at Sta. 326+50.
"	326+50 "BL"	346+95 "B"		2058	/			28		188			Median Side, Transverse drain to Lt at Low Point Sta 335+55.
"B" Westbound	335+55	338+50	295		/			29	335+55	29	1	2	
"	340+45	355+20	1475				/	42	340+15	137	1	2	
"	360+40	365+08		468		/	/	70	360+10	48	1	2	Median Side, Transverse drain to Lt at Sta 360+40.
"	365+08	377+40	1232							111			Connect to Str. N <sup>o</sup> 60.
"	365+08	377+40		1232						111			Median Side, Connect to Str. N <sup>o</sup> 60.
"	377+40	390+50	1310		/			29	390+50	121	1	2	
"	377+40	399+80		2240	/			28		204			Median Side, Transverse drain to Lt at Low Point Sta. 390+50.
"	399+80	408+25	845		/		/	42	399+50	80	1	2	
"	399+80	412+00		1220		/		28		112			Median Side, Transverse drain to Lt. at Sta 399+80.
"	412+00 "B"	422+50 "BL"	1050		/		/	29	411+80	97	1	2	
"	412+00 "B"	423+00 "BL"		1100		/		37		102			Median Side, Transverse drain to Lt at Sta 412+00.
"BL" Westbound	423+00	433+30		1030		/	/	70	422+70	99	1	2	Median Side, Transverse drain to Lt at Sta. 423+00.
"	433+30	441+17		787		/		28		73			Median Side, Transverse drain to Lt at Sta 433+30.
"	433+30	454+25	2095		/		/	42	433+00	192	1	2	
"	461+87	471+30		943	/		/	42	461+57	89	1	2	Median Side.
"	464+50	471+30	680			/		28		64			Transverse drain to Rt at Sta 464+50.
"	471+30	477+69	639			/		28		60			Transverse drain to Rt. at Sta 471+30.
"	471+30	484+00		1270	/		/	42	471+00	114	1	2	Median Side.
"	484+85	502+97		1812	/			29	494+51	166	1	2	Median Side, Low Point Sta. 494+51.
"	494+00	502+50	850		/			29	494+51	79	1	2	
"	507+50	511+50	400			/		34		39			Transverse drain to Lt at Sta 507+50, Connect to Weight Station W.B. Ramp underdrain at Sta. 28+05.
Weight Sta W.B Ramp	21+00	23+90		290		/		20		28			Transverse drain to Lt at Sta. 23+90.
Weight Sta W.B Ramp	23+90	28+05	415		/	/	/	42	28+35	41	1	2	
Weight Sta W.B Ramp	18+52	22+52	400				/	29	18+32	39	1	2	W.B Weight Station Parking Area
"BL" Westbound	511+50	527+00	1550			/		28		142			Transverse drain to Rt at Sta 527+00.
Sub-Totals			9971	14195	10	8	11	796		2243	13	26	
Totals This Sheet			24254 **		10	8	11	796		2243	13	26	

\* See Station Equation

\*\* Includes Tees and Elbows.

Note: All CS Pipe to be 18 Gauge  
 Additional Length Allowance:  
 5L Ft. for each tee connection.  
 2L Ft. for each elbow.

# DETAILS

PIPE FOR UNDERDRAINS														
LINE	LOCATION		6" GROUP "K" PIPE LFT		6" OUTLETS					2" FBGPCS L.FT.	AGGREGATE UNDERDRAINS CY5.	DELINEATOR POSTS EACH	SODDING SQ YDS.	REMARKS
	FROM STATION	TO STATION	LEFT	RIGHT	TEE	90° ELBOW	45° ELBOW	FBGCS LFT.	STATION					
"BL" Westbound	514+97	527+00		1203	/		/	42	527+30		112	/	2	Median Side.
Weight Sta WB Ramp	16+35	19+37		302		/		20			29			Transverse drain to Lt at Sta 16+35.
Weight Sta WB Ramp	10+80	16+35	555		/	/		29	13+37		53	/	2	Low Point at Sta 13+37.
"BL" Westbound	527+00	539+50		1250		/		37			116			Median Side, Transverse drain to Lt at Sta 539+50.
"	535+75	539+50	375		/	/		29	539+70		36	/	2	
"	539+50	551+25		1175		/		37			109			Median Side, Transverse drain to Lt at Sta 551+25.
"	541+50	551+25	975		/	/		29	551+45		90	/	2	
"	552+50	554+75	225			/		28			23			Transverse drain to Rt at Sta 554+75.
"	551+25	558+01		676	/	/		42	558+31		65	/	2	Median Side.
"	559+75	583+75	2400			/		29	583+95		219	/	2	
"B" Westbound	582+72	613+10		3036		/		28			276			Median Side, Transverse drain to Lt at Sta 613+10.
"	584+65	613+10	2843		/	/		42	613+40		260	/	2	
"	613+10	622+05		895		/		37			84			Median Side, Transverse drain to Lt at Sta 622+05.
"	615+20	628+50	1330		/	/		29	628+70		122	/	2	
"	649+65	658+32		867	/	/		57	656+00		83	/	2	Median Side, Transverse drain to Lt at Low Point, Sta 656+00.
"	663+55	680+24		1669		/					150			Median Side, Connect to Str. N <sup>o</sup> 136.
"	663+55	678+00	1445			/					130			Connect to Str. N <sup>o</sup> 136.
"BL" Westbound	680+75	689+75	900			/		42	680+45		85	/	2	
"	694+23	709+53		1530		/		28			140			Median Side, Transverse drain to Lt at Sta 694+23.
"	694+23	707+00	1277		/	/		42	693+93		119	/	2	
"BL" Westbound	709+53	742+70		3317	/	/		29	729+92		301	/	2	Median Side, Low Point at Sta 729+92.
Undistributed			500	500							180			
"B"	211+30	Transverse						10		48	5			
"B"	309+00	"						10		48	5			
"B"	327+00	"						10		48	5			
"B"	372+55	"						20		96	10			
"B"	390+00	"						20		96	10			
"B"	399+50	"						20		96	10			
"B"	409+50	"						20		96	10			
"B"	458+00	"						10		48	5			
Sub-Totals			500	500				120		576	240			
Totals This Sheet			1,000					120		576	240			

\*Includes Tees and Elbows.

Note: All C.S. Pipe to be 18 Gauge.  
 Additional Length Allowance:  
 5L.Ft. for each tee connection.  
 2L.Ft. for each elbow.

# DETAILS

PIPE FOR UNDERDRAINS														
LINE	LOCATION		6" GROUP "K" PIPE LFT.		6" OUTLETS					AGGREGATE FOR UNDERDRAINS CYS	DELINEATOR POSTS EACH	SODDING SQ YDS.	6" FBCCPS L.F.T.	REMARKS
	FROM STATION	TO STATION	LEFT	RIGHT	TEE	90° ELBOW	45° ELBOW	FBCCSP L.F.T.	STATION					
"B"	531+00	Transverse						10		5			48	
"B"	550+00	"						10		5			48	
"B"	561+00	"						10		5			48	
"B" Westbound	609+50	"						10		5			48	
"B" Eastbound	612+30	"						10		5			48	
"B"	628+50	"						20		10			96	
"B"	663+25	"						20		10			96	
"B"	694+00	"						20		10			96	
<del>"BL"</del>	<del>207+50</del>	<del>"</del>						<del>10</del>		<del>5</del>			<del>48</del>	
<del>"BL"</del>	<del>212+25</del>	<del>"</del>						<del>10</del>		<del>5</del>			<del>48</del>	
<del>"BL"</del>	<del>269+50</del>	<del>"</del>						<del>10</del>		<del>5</del>			<del>48</del>	
<del>"BL"</del>	<del>295+70</del>	<del>"</del>						<del>10</del>		<del>5</del>			<del>48</del>	
<del>"BL"</del>	<del>303+80</del>	<del>"</del>						<del>10</del>		<del>5</del>			<del>48</del>	
<del>"BL"</del>	<del>434+50</del>	<del>"</del>						<del>10</del>		<del>5</del>			<del>48</del>	
"BL"	551+00	"						10		5			48	
"BL"	565+50	"						10		5			48	
"BL"	579+00	Transverse						10		5			48	
<b>Totals This Sheet</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>60</b>			<b>30</b>	<b>0</b>	<b>0</b>	<b>288</b>	
<b>Grand Total</b>			<b>95,303 *</b>	<b>17</b>	<b>17</b>	<b>49</b>	<b>3401</b>			<b>8876</b>	<b>57</b>	<b>110</b>	<b>864</b>	

\* Includes Tees and Elbows.

Note: All C.S. Pipe to be 18 Gauge.  
 Additional Length Allowance:  
 5L Ft for each tee connection.  
 2L Ft for each elbow.

# DETAILS





# STRUCTURE DATA

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	1-64-3(4)193	1970	73	96

STRUCTURE NUMBER	LOCATION	SIZE INCHES	DESCRIPTION	LENGTH FEET	SKEW	COVER FEET	FLOW LINE		CONCRETE CLASS	B BORROW	REINFORCING STEEL	GAGES OR THICKNESS		PIPE END SECTIONS EACH	VELOCITY (10 YR) FT / SEC	REMARKS	PLANS ON SHEET NO.
							UP STREAM	DOWN STREAM				STEEL	ALUMINUM				
<b>STRUCTURES NO 11 THRU 149 TO BE CONSTRUCTED UNDER GRADING CONTRACT</b>																	
12A 216+50		6	RC SPRING BOX PIPE FULLY BITUMINOUS COATED NON-PERFORATED CORR. STEEL	28'								0.052			IN CENTERLINE OF LINE 'B' DRAIN TO UNDERDRAIN		
74A 465+80.8*		18	F.B.C.C.S. / R.L.	100	12°	4	799.00	772.34	1.2			0.064			CONNECT TO STR. NO. 73, 2-18" BENDS REQ'D.		

**LEGEND FOR ABBREVIATIONS**

F.B.C.C.S./PI - FULLY BITUMINOUS COATED CORRUGATED STEEL WITH PAVED INVERT.	F.B.C.C.S.A./PI - FULLY BITUMINOUS COATED CORRUGATED STEEL ARCH WITH PAVED INVERT.
F.B.C.C.AA/PI - FULLY BITUMINOUS COATED CORRUGATED ALUMINUM ALLOY WITH PAVED INVERT.	F.B.C.C.AA.A/PI - FULLY BITUMINOUS COATED CORRUGATED ALUMINUM ALLOY ARCH WITH PAVED INVERT.
F.B.C.C.S - FULLY BITUMINOUS COATED CORRUGATED STEEL.	F.B.C.C.S.A - FULLY BITUMINOUS COATED CORRUGATED STEEL ARCH.
F.B.C.C.AA - FULLY BITUMINOUS COATED CORRUGATED ALUMINUM ALLOY.	F.B.C.C.AA.A - FULLY BITUMINOUS COATED CORRUGATED ALUMINUM ALLOY ARCH.
C.S - CORRUGATED STEEL.	C.S.A - CORRUGATED STEEL ARCH.
C.A.A - CORRUGATED ALUMINUM ALLOY.	C.A.A.A - CORRUGATED ALUMINUM ALLOY ARCH.
S.P.S - STRUCTURAL PLATE STEEL.	S.P.S.A - STRUCTURAL PLATE STEEL ARCH.

# ESTIMATE OF QUANTITIES

Rev. 12-2-74

GRADING			
CODE No.	DESCRIPTION	UNIT	QUANTITY
01001	MOBILIZATION	L.S.	1
01002	CLEARING RIGHT-OF-WAY	L.S.	
01005	CLEARING	L.S.	
01010	GRUBBING	L.S.	
01015	CLEARING & GRUBBING	L.S.	
02245	TREE REMOVAL 6 INCH	EA.	
02250	TREE REMOVAL 10 INCH	EA.	
02255	TREE REMOVAL 18 INCH	EA.	
02260	TREE REMOVAL 30 INCH	EA.	
02265	TREE REMOVAL 48 INCH	EA.	
02270	TREE REMOVAL 60 INCH	EA.	
02285	REMOVAL OF PRESENT STRUCTURE	EA.	
03000	REMOVAL OF HOUSES & BUILDINGS FROM PARCEL ( )	L.S.	
03000	REMOVAL OF HOUSES & BUILDINGS FROM PARCEL ( )	L.S.	
03000	REMOVAL OF HOUSES & BUILDINGS FROM PARCEL ( )	L.S.	
03000	REMOVAL OF HOUSES & BUILDINGS FROM PARCEL ( )	L.S.	
03000	REMOVAL OF HOUSES & BUILDINGS FROM PARCEL ( )	L.S.	
02235	BREAKING PAVEMENT	SYS.	
02240	REPAIR OF PAVEMENT	SYS.	
<b>DRILLING AND BURNING LFT. 200</b>			
02080	LINE OR GRADING	MI.	
02090	COMMON EXCAVATION	CYS.	
02010	ROCK EXCAVATION	CYS.	
02020	UNCLASSIFIED EXCAVATION	CYS.	24,965
02100	PEAT EXCAVATION	CYS.	
02055	EMBANKMENT	CYS.	
02131	EXPLORATORY EXCAVATION	CYS.	1,852
02132	EXPLORATORY DRILLING	LFT.	600
02133	EXPLORATORY CORES	LFT.	
02215	CASED TEST HOLE	LFT.	
02220	HOLE FOR TESTING OR FOR DYNAMITING 2 INCH	LFT.	
02225	HOLE FOR TESTING OR FOR DYNAMITING 4 INCH	LFT.	
02230	SETTLEMENT PLATES	EA.	
02235	PIEZOMETERS	EA.	
02300	SAND DRAINS	LFT.	
02070	BORROW	CYS.	8,400
02050	B BORROW	CYS.	100

PAVEMENT			
CODE No.	DESCRIPTION	UNIT	QUANTITY
04000	REPAIRING	MI.	
04005	PORTLAND CEMENT CONCRETE FOR PATCHING	SYS.	
04010	PORTLAND CEMENT CONCRETE FOR PATCHING	SYS.	
04015	COMPACTED AGGREGATE FOR PATCHING	TON	
04020	BITUMINOUS MIXTURE FOR PATCHING	TON	
04025	WIDENING WITH BITUMINOUS MIXTURE	TON	
04030	WIDENING WITH CEMENT CONCRETE	SYS.	
04035	WIDENING WITH COMPACTED AGGREGATE	TON	
04040	PORTLAND CEMENT CONCRETE BASE	SYS.	
04045	TYPE P COMPACTED AGGREGATE FOR BASE (SIZE NO. 53)	TON	
04055	TYPE O COMPACTED AGGREGATE FOR BASE (SIZE NO. 53)	TON	
04065	TYPE P COMPACTED AGGREGATE FOR SURFACE (SIZE NO. 73)	TON	
04075	TYPE O COMPACTED AGGREGATE FOR SURFACE (SIZE NO. 73)	TON	
04085	TYPE P COMPACTED AGGREGATE FOR SHOULDER (SIZE NO. 73)	TON	
04095	TYPE O COMPACTED AGGREGATE FOR SHOULDER (SIZE NO. 73)	TON	
04105	PURE CALCIUM CHLORIDE	TON	
04115	PURE CALCIUM CHLORIDE (FOR SHOULDERS)	TON	
04125	HOT ASPHALT EMULSION (AE) BASE	TON	
04135	HOT ASPHALT EMULSION (AE) BINDER	TON	
04145	HOT ASPHALT EMULSION (AE) SURFACE	TON	
04155	HOT ASPHALT CONCRETE BASE	TON	
04165	HOT ASPHALT CONCRETE BINDER	TON	
04175	HOT ASPHALT CONCRETE SURFACE	TON	
04255	BITUMINOUS BASE	TON	44
04256	BITUMINOUS BASE NO. 5	TON	
04257	BITUMINOUS BASE NO. 53B	TON	24,455
04265	BITUMINOUS BINDER	TON	
04275	BITUMINOUS SURFACE	TON	4
04285	BITUMINOUS MIXTURE FOR SHOULDER APPROACHES	TON	
04295	BITUMINOUS MIXTURE FOR APPROACHES	TON	
04300	BITUMINOUS MIXTURE FOR CROSSEDRAWS	TON	
04335	FILLING CRACKS & JOINTS IN CONCRETE PAVEMENT OR BASE	TON	
04345	SEALING CRACKS & JOINTS IN BITUMINOUS PAVEMENT	TON	
04355	BITUMINOUS MATERIAL FOR SEAL COAT	TON	175
04365	BITUMINOUS MATERIAL FOR PRIME COAT	TON	
04375	BITUMINOUS MATERIAL FOR TACK COAT	TON	
04385	COVER AGGREGATE	TON	
04395	COVER AGGREGATE NO. 12	TON	10,35
04395	AGGREGATES FOR SHOULDER DRAINS	TON	

CODE No.	DESCRIPTION	UNIT	QUANTITY
04405	SUBBASE	CYS.	
04406	BITUMINOUS STABILIZED SUBBASE	TON	43,032
05000	CONTINUOUSLY REINFORCED CONCRETE PAVEMENT 6 INCH	SYS.	
05010	CONTINUOUSLY REINFORCED CONCRETE PAVEMENT 7 INCH	SYS.	
05020	CONTINUOUSLY REINFORCED CONCRETE PAVEMENT 8 INCH	SYS.	
05030	CONTINUOUSLY REINFORCED CONCRETE PAVEMENT 9 INCH	SYS.	
05040	CONTINUOUSLY REINFORCED CONCRETE PAVEMENT 10 INCH	SYS.	
05050	REINFORCED CONCRETE PAVEMENT 6 INCH	SYS.	
05060	REINFORCED CONCRETE PAVEMENT 7 INCH	SYS.	
05070	REINFORCED CONCRETE PAVEMENT 8 INCH	SYS.	11,388
05080	REINFORCED CONCRETE PAVEMENT 9 INCH	SYS.	
05090	REINFORCED CONCRETE PAVEMENT 10 INCH	SYS.	
<b>REINFORCED CONCRETE PAVEMENT 11 INCH SYS. 167,051</b>			
05100	CONCRETE PAVEMENT, HIGH EARLY STRENGTH 7 INCH	SYS.	
05110	CONCRETE PAVEMENT, HIGH EARLY STRENGTH 8 INCH	SYS.	
05120	CONCRETE PAVEMENT, HIGH EARLY STRENGTH 9 INCH	SYS.	
05130	CONCRETE PAVEMENT, HIGH EARLY STRENGTH 10 INCH	SYS.	
05140	PLAIN CONCRETE PAVEMENT 6 IN	SYS.	
05150	PLAIN CONCRETE PAVEMENT 7 IN	SYS.	
05160	PLAIN CONCRETE PAVEMENT 8 IN	SYS.	
05170	PLAIN CONCRETE PAVEMENT 9 IN	SYS.	
05180	PLAIN CONCRETE PAVEMENT 10 IN	SYS.	
05181	PLAIN CONCRETE PAVEMENT 11 IN	SYS.	
05182	PLAIN CONCRETE PAVEMENT 12 IN	SYS.	
05210	CONCRETE PAVEMENT, PLAIN HIGH EARLY STRENGTH 8 INCH	SYS.	
05220	CONCRETE PAVEMENT, PLAIN HIGH EARLY STRENGTH 9 INCH	SYS.	
05230	CONCRETE PAVEMENT, PLAIN HIGH EARLY STRENGTH 10 INCH	SYS.	
05240	CONTRACTION JOINT, TYPE D-1	LFT.	37,899
05250	1/2 INCH PREFORMED JOINT MATERIAL	LFT.	
05260	1 INCH PREFORMED JOINT MATERIAL	LFT.	
05270	1 1/2 INCH PREFORMED JOINT MATERIAL	LFT.	
05280	EXPANSION JOINT, WITH LOAD TRANSFER 1 INCH	LFT.	64
05290	REINFORCING STEEL FOR PAVEMENT ANCHOR BOLTS	LBS.	1120
05300	ANCHOR BOLTS	EA.	
05310	TERMINAL JOINTS	LFT.	
05320	CEMENT CONCRETE PAVEMENT FOR PRIVATE DRIVES	SYS.	
05330	CEMENT CONCRETE PAVEMENT FOR COMMERCIAL DRIVES	SYS.	
05340	CEMENT CONCRETE PAVEMENT FOR CROSSEDRAWS	SYS.	
05380	SALVAGED ROAD MATERIAL	CYS.	

CODE No.	DESCRIPTION	UNIT	QUANTITY
06000	GUARD RAIL, TYPE A	LFT.	
06005	GUARD RAIL, TYPE B	LFT.	4,375
06010	GUARD RAIL, TYPE C	LFT.	
06015	GUARD RAIL, TYPE D	LFT.	
06020	GUARD RAIL, TYPE E	LFT.	
06025	GUARD RAIL, TYPE F	LFT.	324
06030	GUARD RAIL, TYPE G	LFT.	
06031	GUARD RAIL, TYPE H	LFT.	
06032	CONCRETE MEDIAN BARRIER	LFT.	
06037	GUARD RAIL FOR RAILROAD SIGNAL PROTECTION, SHOULDER	EA.	
06039	GUARD RAIL FOR RAILROAD SIGNAL PROTECTION, MEDIAN	EA.	
06035	RESET GUARD RAIL	LFT.	
44241	CLASS A CONCRETE FOR GUARD RAIL	CYS.	20
06040	47 INCH FENCE, FARM FIELD	LFT.	100
06045	48 INCH FENCE, CHAIN LINK	LFT.	
06050	GATE, FARM FIELD	EA.	
06055	GATE, CHAIN LINK	EA.	
06060	RESETTING FENCE, FARM FIELD	LFT.	
06065	RESETTING FENCE, CHAIN LINK	LFT.	
06070	CONCRETE SIDEWALK	SYS.	
06080	RECONSTRUCTED SIDEWALK	SYS.	
06085	RE-LAID SIDEWALK	SYS.	
06090	CURB, INTEGRAL	LFT.	
06095	CURB, INTEGRAL CONCRETE, TYPE B	LFT.	
06100	CURB, INTEGRAL CONCRETE, TYPE C	LFT.	
06120	CURB, CONCRETE	LFT.	
06121	CURB, CONCRETE, TYPE B	LFT.	
06130	CURB, BITUMINOUS	LFT.	
06140	CURB & GUTTER, COMBINED	LFT.	
06145	CURB & GUTTER, COMBINED, TYPE B	LFT.	
06150	CURB & GUTTER, COMBINED, TYPE C	LFT.	
06170	GUTTER, STANDARD LIP	LFT.	
06176	CEMENT CONCRETE GUTTER	LFT.	
06185	CONCRETE GUTTER, REINFORCED	LFT.	
06195	RESET CURB	LFT.	
06200	CENTER CURB, CONCRETE, TYPE A	LFT.	
06205	CENTER CURB, CONCRETE, TYPE B	LFT.	
06210	CENTER CURB, CONCRETE, TYPE C	LFT.	
06215	CENTER CURB, CONCRETE, TYPE D	LFT.	
06240	CENTER CURB, CONCRETE, TYPE A	SYS.	
06245	CENTER CURB, CONCRETE, TYPE B	SYS.	
06250	CENTER CURB, CONCRETE, TYPE C	SYS.	
06255	CENTER CURB, CONCRETE, TYPE D	SYS.	
06280	CENTER CURB, BITUMINOUS, TYPE A	LFT.	
06285	CENTER CURB, BITUMINOUS, TYPE B	LFT.	
06290	SPECIAL CENTER CURB, BITUMINOUS, TYPE A	LFT.	
06295	SPECIAL CENTER CURB, BITUMINOUS, TYPE B	LFT.	
06300	CENTER CURB, BITUMINOUS, TYPE A	SYS.	
06305	CENTER CURB, BITUMINOUS, TYPE B	SYS.	
06310	SPECIAL CENTER CURB, BITUMINOUS, TYPE A	SYS.	
06315	SPECIAL CENTER CURB, BITUMINOUS, TYPE B	SYS.	
06320	CURB REMOVAL	LFT.	
06335	PAVED SIDE DITCH, TYPE A	LFT.	2,840
06340	PAVED SIDE DITCH, TYPE B	LFT.	1,537
06345	PAVED SIDE DITCH, TYPE C	LFT.	500
06350	PAVED SIDE DITCH, TYPE D	LFT.	500
06355	PAVED SIDE DITCH, TYPE E	LFT.	
06360	PAVED SIDE DITCH, TYPE F	LFT.	
06365	PAVED SIDE DITCH, TYPE G	LFT.	
06370	PAVED SIDE DITCH, TYPE H	LFT.	
06375	PAVED SIDE DITCH, TYPE I	LFT.	
06380	PAVED SIDE DITCH, TYPE J	LFT.	
06385	PAVED SIDE DITCH, TYPE K	LFT.	
06390	PAVED SIDE DITCH, TYPE L	LFT.	

CODE No.	DESCRIPTION	UNIT	QUANTITY
06395	RIPRAP	SYS.	
06400	DUMPED RIPRAP	SYS.	
06405	REVEMENT RIPRAP	TON	5,656
06410	HAND-LAID RIPRAP 6 INCH	SYS.	
06415	HAND-LAID RIPRAP 12 INCH	SYS.	
06420	CRUTED RIPRAP 6 INCH	SYS.	
06425	GRouted RIPRAP 12 INCH	SYS.	
06430	PLACING HAND-LAID RIPRAP 6 IN	SYS.	
06435	PLACING HAND-LAID RIPRAP 12 IN	SYS.	
06440	PLACING GROUTED RIPRAP 6 IN	SYS.	
06445	PLACING GROUTED RIPRAP 12 IN	SYS.	
06455	SLCPEWALL	SYS.	
06460	CONCRETE SLOPEWALL 4 INCH	SYS.	
06465	CONCRETE SLOPEWALL 5 INCH	SYS.	
06470	CONCRETE HEADER, TYPE A	LFT.	
06475	CONCRETE HEADER, TYPE B	LFT.	
06480	CONCRETE HEADER, TYPE C	LFT.	
06481	CEMENT CONCRETE HEADER	LFT.	
06485	RECONSTRUCTED CONCRETE HEADER	LFT.	
06490	RIGHT-OF-WAY MARKER	EA.	
06495	RESET RIGHT-OF-WAY MARKER	EA.	
06500	MONUMENT, TYPE A	EA.	
06505	MONUMENT, TYPE B	EA.	
06510	MONUMENT, TYPE C	EA.	4
06515	MONUMENT, TYPE D	EA.	28
06520	RE-ESTABLISHED MONUMENT	EA.	
06525	CASTING ADJUSTED TO GRADE, MONUMENT	EA.	
06526	MONUMENT MARKER D-25	EA.	
06530	BENCH-MARK POST	EA.	2
06535	RESET BENCH-MARK POST	EA.	
06540	AGRICULTURAL LIMESTONE (1)	TON	16
06545	FERTILIZER (2)	TON	13
06550	MULCHING MATERIAL (3)	TON	85
06551	MULCHING MATERIAL (WOOD CELLULOSE FIBER)	TON	
06555	SEED MIXTURES, CLASS R	LBS.	3,586
06556	SEED MIXTURES, CLASS U	LBS.	
06557	SEED MIXTURES, CLASS P	LBS.	
06558	SEED MIXTURES, CLASS TU	LBS.	
06559	SEED MIXTURES, CLASS TR	LBS.	
06560	SEED MIXTURES, CLASS TV	LBS.	
06561	MULCHED SEEDING, CLASS R	SYS.	
06562	MULCHED SEEDING, CLASS U	SYS.	
06563	MULCHED SEEDING, CLASS P	SYS.	
06564	MULCHED SEEDING, CLASS TU	SYS.	200
06565	MULCHED SEEDING, CLASS TR	SYS.	
06566	MULCHED SEEDING, CLASS TV	SYS.	
06567	WATER	MG.	48
06570	TOP SOIL	CYS.	
06574	SODDING	SYS.	12,043
06575	SODDING (NUBSREY)	SYS.	
06580	STEEL (CONDUIT) 2 INCH	LFT.	
06585	STEEL (CONDUIT) 3 INCH	LFT.	
06595	P.V.C. (CONDUIT) 2 INCH	LFT.	
06600	P.V.C. (CONDUIT) 3 INCH	LFT.	
06610	HANDHOLE	EA.	
06618	RUMBLE STRIP	LFT.	

CODE No.	DESCRIPTION	UNIT	QUANTITY
06620	STANDARD BARRICADE, TYPE I	EA.	
06621	STANDARD BARRICADE, TYPE II	EA.	
06622	STANDARD BARRICADE, TYPE III	EA.	
06624	STANDARD BARRICADE, TYPE IV	EA.	
06625	STANDARD BARRICADE, TYPE V	EA.	
06630	PERMANENT BARRICADE, TYPE I	EA.	
06631	PERMANENT BARRICADE, TYPE II	EA.	
06632	PERMANENT BARRICADE, TYPE III	EA.	2
06633	PERMANENT BARRICADE, TYPE IV	EA.	
06634	PERMANENT BARRICADE, TYPE V	EA.	
06640	CONSTRUCTION SIGN, TYPE A	EA.	2
06645	CONSTRUCTION SIGN, TYPE B	EA.	

