

R-26185  
1 of 5

# INDIANA DEPARTMENT OF TRANSPORTATION ROAD PLANS

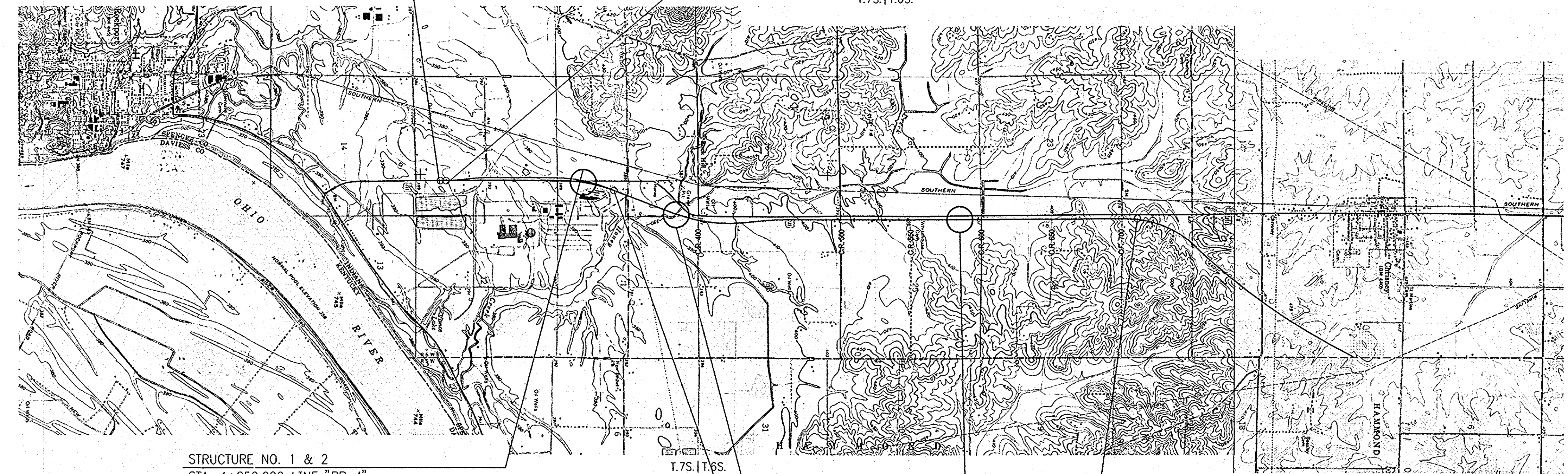
## PHASE "1A" NEW CONSTRUCTION US 231 PROJECT NO. NH-075-3 (014) P.E. (014) R/W (014) CONST.

13+87 to 18+45  
RP: 901+010 to 906+005

Beginning at a point on new alignment of US 231 approximately 290 meters north and 400 meters west of the southeast corner of section 11, T-7-S, R-6-W, thence 7.967km in a northerly direction along the new centerline to a point approximately 156 meters North and 68 meters East of the southwest corner of section 13, T-6-S, R-6-W, all in Spencer County.

PROJECT		DESIGNATION	
NH-075-3 (014)		8461360	
CONTRACT			
R26185			
TRAFFIC DATA-OLD US 231 (RELOCATION)			
A.A.D.T. (1998)		750 V.P.D.	
A.A.D.T. (2018 PROJECTED)		950 V.P.D.	
D.H.V. (2018 PROJECTED)		85 V.P.H.	
DIRECTIONAL DISTRIBUTION		50%	
TRUCKS		1% D.H.V.	
		2% A.A.D.T.	
DESIGN DATA			
DESIGN SPEED		80 kmph	
PROJECT DESIGN CRITERIA		NEW CONSTRUCTION (NON-FREEWAY)	
FUNCTIONAL CLASSIFICATION		LOCAL AGENCY COLLECTOR	
RURAL/URBAN		RURAL	
TERRAIN		LEVEL	
ACCESS CONTROL		NONE	
TRAFFIC DATA-CR 200 N			
A.A.D.T. (1998)		470 V.P.D.	
A.A.D.T. (2018 PROJECTED)		600 V.P.D.	
D.H.V. (2018 PROJECTED)		474 V.P.H.	
DIRECTIONAL DISTRIBUTION		50%	
TRUCKS		10% D.H.V.	
		10% A.A.D.T.	
DESIGN DATA			
DESIGN SPEED		80 kmph	
PROJECT DESIGN CRITERIA		NEW CONSTRUCTION (NON-FREEWAY)	
FUNCTIONAL CLASSIFICATION		LOCAL AGENCY COLLECTOR	
RURAL/URBAN		RURAL	
TERRAIN		LEVEL	
ACCESS CONTROL		NONE	
TRAFFIC DATA-CR350 N EAST OF 231			
A.A.D.T. (1998)		460 V.P.D.	
A.A.D.T. (2018 PROJECTED)		600 V.P.D.	
D.H.V. (2018 PROJECTED)		138 V.P.H.	
DIRECTIONAL DISTRIBUTION		50%	
TRUCKS		1% D.H.V.	
		5% A.A.D.T.	
DESIGN DATA			
DESIGN SPEED		80 kmph	
PROJECT DESIGN CRITERIA		NEW CONSTRUCTION (NON-FREEWAY)	
FUNCTIONAL CLASSIFICATION		LOCAL AGENCY COLLECTOR	
RURAL/URBAN		RURAL	
TERRAIN		LEVEL	
ACCESS CONTROL		NONE	

TRAFFIC DATA-MAIN LINE ("A" & PR-A")	
A.A.D.T. (1998)	9870 V.P.D.
A.A.D.T. (2018 PROJECTED)	13290 V.P.D.
D.H.V. (2018 PROJECTED)	1195 V.P.H.
DIRECTIONAL DISTRIBUTION	50%
TRUCKS	14% D.H.V.
	20% A.A.D.T.
DESIGN DATA	
DESIGN SPEED	110 kmph
PROJECT DESIGN CRITERIA	NEW CONSTRUCTION (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	PRINCIPAL ARTERIAL
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	PARTIAL
TRAFFIC DATA-CR 250 N	
A.A.D.T. (1998)	150 V.P.D.
A.A.D.T. (2018 PROJECTED)	210 V.P.D.
D.H.V. (2018 PROJECTED)	21 V.P.H.
DIRECTIONAL DISTRIBUTION	50%
TRUCKS	10% D.H.V.
	10% A.A.D.T.
DESIGN DATA	
DESIGN SPEED	80 kmph
PROJECT DESIGN CRITERIA	NEW CONSTRUCTION (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	LOCAL AGENCY COLLECTOR
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	NONE
TRAFFIC DATA-CR 350 N - WEST OF US 231	
A.A.D.T. (1998)	100 V.P.D.
A.A.D.T. (2018 PROJECTED)	140 V.P.D.
D.H.V. (2018 PROJECTED)	42 V.P.H.
DIRECTIONAL DISTRIBUTION	50%
TRUCKS	0% D.H.V.
	0% A.A.D.T.
DESIGN DATA	
DESIGN SPEED	60 kmph
PROJECT DESIGN CRITERIA	NEW CONSTRUCTION (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	LOCAL AGENCY COLLECTOR
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	NONE
TRAFFIC DATA-CR 500 N	
A.A.D.T. (1998)	640 V.P.D.
A.A.D.T. (2018 PROJECTED)	840 V.P.D.
D.H.V. (2018 PROJECTED)	108 V.P.H.
DIRECTIONAL DISTRIBUTION	50%
TRUCKS	9% D.H.V.
	10% A.A.D.T.
DESIGN DATA	
DESIGN SPEED	80 kmph
PROJECT DESIGN CRITERIA	NEW CONSTRUCTION (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	LOCAL AGENCY COLLECTOR
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	NONE



STRUCTURE NO. 1 & 2  
STA. 4+850.000 LINE "PR-A"  
TWIN CONTINUOUS PRESTRESSED CONCRETE I-BEAM  
3 SPANS - 1@21184, 1@24994, 1@21184  
OVER AEP R.R. SPUR  
TO BE BUILT IN CONJUNCTION WITH THIS PROJECT

STRUCTURE NO. 3 & 4  
STA. 5+920.000 LINE "A"  
TWIN CONTINUOUS PRESTRESSED CONCRETE BULB TEES  
2 SPANS - 1@35952, 1@35641  
OVER HONEY CREEK  
TO BE BUILT IN CONJUNCTION WITH THIS PROJECT

STRUCTURE NO. 5 & 6  
STA. 9+242.953 LINE "A"  
TWIN CONTINUOUS PRESTRESSED CONCRETE I-BEAM  
3 SPANS - 1@17370, 1@20120, 1@17370  
OVER A.K. STEEL R.R. SPUR  
TO BE BUILT UNDER CONTRACT B-26474-B

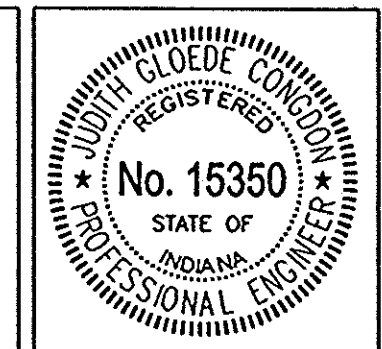
US231 LINE "A"	
BRIDGE LENGTH :	0.194 km
ROADWAY LENGTH :	7.773 km
TOTAL LENGTH :	7.967 km
MAX. GRADE :	2.57%

[INDIANA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED 1999 TO BE USED WITH THESE PLANS]

THESE PLANS PREPARED BY

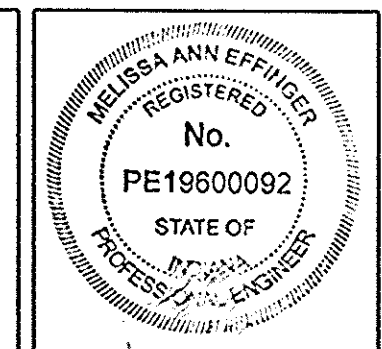
**CONGDON ENGINEERING ASSOCIATES, INC.**  
INDIANAPOLIS, INDIANA  
(317)-876-0064

CERTIFIED BY: 4-22-03  
JUDITH G. CONGDON, P.E. DATE



CERTIFIED BY: 4-22-03  
MELISSA A. EFFINGER, P.E. DATE

**JANSEN & SPAANS ENGINEERING**  
9155 HARRISON PARK COURT  
INDIANAPOLIS, INDIANA 46216  
Business (317) 254-9666 Fax (317) 259-8262



INDIANA DEPARTMENT OF TRANSPORTATION

APPROVED: 6/19/03  
DATE  
Gerald A. [unclear]  
CHIEF, DIVISION OF DESIGN

FEDERAL HIGHWAY ADMINISTRATION  
U.S. DEPT. OF TRANSPORTATION

APPROVED: \_\_\_\_\_  
DATE  
\_\_\_\_\_  
DIVISION ADMINISTRATOR

SET 1 OF 5

PROJECT LOCATION SHOWN BY \_\_\_\_\_

BRIDGE FILE	
DESIGNATION	
8461360	
SURVEY BOOK	SHEETS
16722	1 of 196
CONTRACT	
R26185	
PROJECT	
NH-075-3 (014)	



### UTILITIES

Lincoln Natural Gas Co. 317 Main Street Rockport, IN 47635 PHONE: (812) 649-2172	VECTREN 20 NW 4th Street Evansville, IN 47741 PHONE: (812) 491-4765 CONTACT: Steve Rowlinson	Finch - Newton Water R.R. 1 Box 596 Rockport, IN. 47635 PHONE: (812) 362-8092 CONTACT: MR. Don Eward
ANR Pipeline Co. 146 S. Celestine Rd S. Celestine, IN PHONE: (812) 634-1991 CONTACT: Marilyn Wenzel	Tele-Media Cable Television 103 North Loogootee, IN 47553 PHONE: (812) 852-3450	
AEP Transmission Line 825 Tech Center Drive GAHANNA OH. 43230-8250 PHONE: (614) 552-1865 CONTACT: MR. TEJA RAO, Civil Engineer	Town of Chrisney, Street Department P.O. Box 26 Chrisney, IN. 47611-0026 PHONE: (812) 362-8668 CONTACT: MR. John C. Graham (Supt.)	Southern Indiana REC 1776 10th Street Tell City, IN 47586 PHONE: (812) 547-2316 CONTACT: Bill Eberle
Ameritech 134 NW 6th Street Evansville, IN 47708 PHONE: (812) 464-6054 CONTACT: Mary Whittedge	Four Rivers Cablecom 30 Oakdale Avenue Madisonville, KY. 42431 PHONE: (800) 852-3450	

### REVISIONS

SHEET NO.	DATE	REVISED
155	5/14/2003	SHEET REMOVED FROM PLAN SET
66	8/4/2003	ADDED DRIVE ACCESS & ASSOCIATED RW @ STA 4+642 "PR-A"
66	8/14/2003	REMOVED DRIVE ACCESS & ASSOCIATED RW @ STA 4+642 "PR-A"
94 & 156	12/15/2003	REPLACED CONCRETE RAILROAD HEADER WITH HMA HEADER
1	1/12/2004	REVISED RP NUMBERS
180	1/21/04	REPLACE SHT. 180 with 180A
154	04/07/04	DELETED
154A	04/07/04	CHANGE ELEVATIONS

### EARTHWORK BALANCE TABLE

	"PR-A" & "A"	"PR-CR200N"	"PR-CR250N-REL"	"PR-AEPENT"	"S-CR350"	"S-CR500"	"S-OLD231"	"S-231-REL"	"S-AK"	TOTAL
FILL + 15% (m³)	1358777.6	28015.3	2447.5	8998.5	14539.5	3285.6	235.8	16040.2	936.1	1433276.1
CUT (m³)	287241.7	15150.5	15481.9	636.0	5303.0	6827.0	185.0	14873.0	2806.0	348304.1
EMBANKMENT (m³)	1646019.3	43165.8	17929.4	9634.5	19842.5	9912.6	420.8	30913.2	3742.1	1781580.2
PEAT EXCAVATION (m³)	2982.0									2982.0

### GENERAL NOTES





**	All Earth Shoulders, Median Areas, Cut and Fill slopes shall be plain or mulched seeded except where Sodding is specified.
**	Flexible delineator Posts shall be installed at 120m intervals according to the MUTCD along the length of Line "A" & "PR-A" according to INDOT Standard Drawings and shall also be installed at 30m intervals adjacent to left and right turn lanes and behind all guardrail. Color of delineators shall conform with color of pavement edgelines. Delineator posts shall be placed at the ends of existing and new underdrain outlets and 300mm pipes.
**	Where farm field type fence (F.F.T.F.) is called for in the plans, Group 1 fence posts shall be used.
**	The quantity of peat excavation shown on the plans has been estimated on the basis of theoretical cross sections by using treatment of existing fills, treatment by removal or treatment by displacement, where each treatment applies

\*\* REPRESENTS GENERAL NOTES REQUIRED

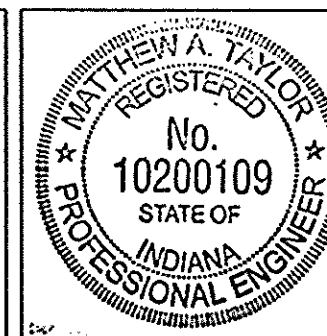
### INDEX

SHEET NO.	DESIGNATION
1	TITLE SHEET
2	INFORMATION AND INDEX SHEET
3-9	TYPICAL CROSS SECTIONS
10-62	MAINTENANCE OF TRAFFIC
63-103	PLAN & PROFILE
104-116	SUPERELEVATION TRANSITIONS
117-144	CONSTRUCTION DETAILS
145	MISCELLANEOUS DETAILS
146-148	SPOT ELEVATION DETAILS
149-154	WALL DETAILS
156	AT GRADE CROSSING DETAIL
157-175	PAVEMENT MARKING DETAILS
176	R/W, SURVEY LINE & SECTION CORNER MONUMENTATION TABLE
177	PAVED SIDE DITCH, RIPRAP AND SODDING TABLES
178-179	TEMPORARY EROSION AND SEDIMENT CONTROL TABLES
180	APPROACH TABLES
181-189	UNDERDRAIN TABLES
190	GUARDRAIL SUMMARY TABLE
191-193	STRUCTURE DATA TABLES
194-196	PIPE MATERIAL TABLES

### EROSION CONTROL LEGEND

	RIPRAP CHECK DAM
	TEMPORARY SEDIMENT TRAP
	STRAW BALE INLET PROTECTOR
	SILT FENCE

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RECOMMENDED FOR APPROVAL *Matthew Taylor* 12/15/03  
DESIGN ENGINEER DATE

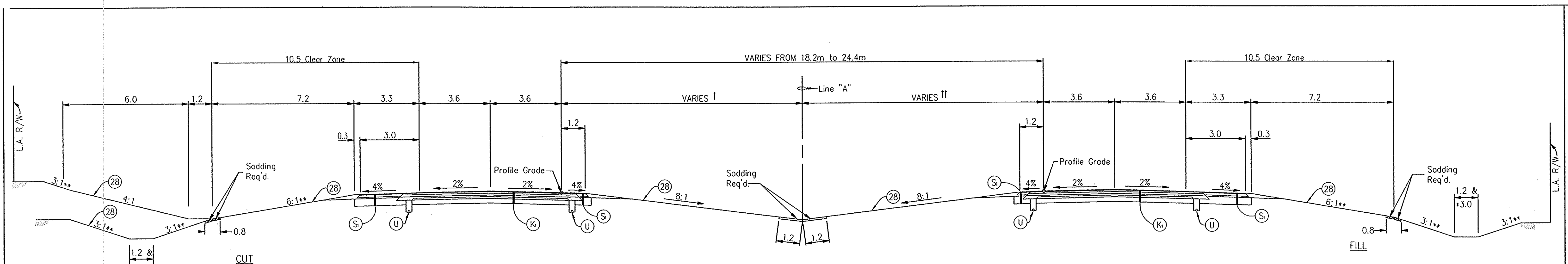
DESIGNED: KAC DRAWN: RGS  
CHECKED: AJD CHECKED: KAC

INDIANA DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND INDEX

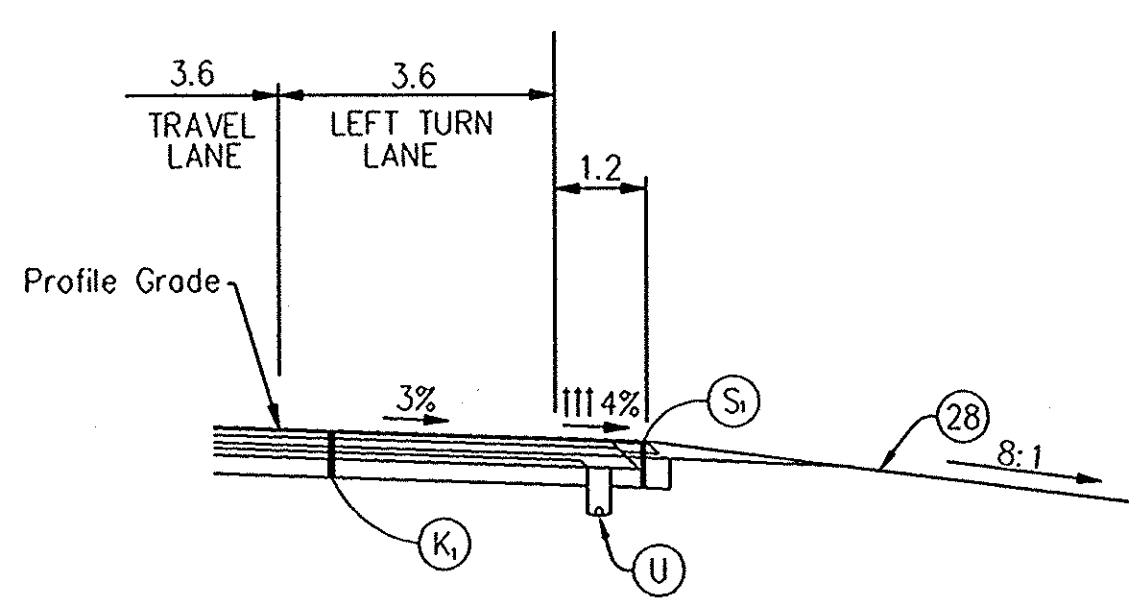
HORIZONTAL SCALE 1:1	BRIDGE FILE
VERTICAL SCALE 1:1	DESIGNATION 8461360
SURVEY BOOK 16722	SHEETS 2 of 196
CONTRACT R26185	PROJECT NH-075-3 (014)





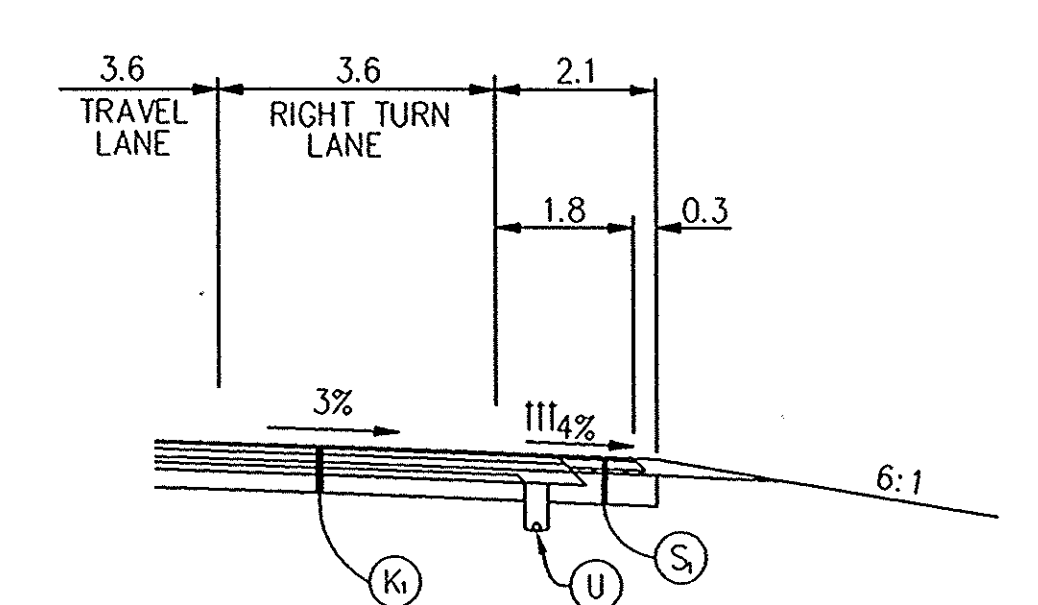
**TYPICAL SECTION ON TANGENT**

STA. 3+352.8 "A" TO STA. 3+353.0 "A"  
 STA. 3+603.5 "PR-A" TO STA. 4+550.0 "PR-A"  
 STA. 5+270.0 "PR-A" TO STA. 5+304.108 "PR-A" (BACK)  
 STA. 5+296.845 "A" (AHEAD) TO STA. 5+901.0 "A"  
 STA. 6+855.5 "A" TO STA. 6+860.000 "A"  
 STA. 7+243.0 "A" TO STA. 10+998.627 "A"  
 \* As Shown on Cross Sections  
 \*\* 4:1 FROM 4+299.0 "PR-A" TO 4+550.0 "PR-A"  
 FROM 5+270.0 "PR-A" TO 5+304.108 "PR-A" (BACK)  
 FROM 5+296.845 "A" (AHEAD) TO 5+901.0 "A"  
 I 9.1m FROM STA. 3+352.8 "A" TO STA. 3+967.725 "PR-A"  
 VARIES FROM 9.1m @ STA. 3+967.725 "PR-A" TO 12.2m @ STA. 4+188.05 "PR-A"  
 12.2m FROM STA. 4+188.05 "PR-A" TO STA. 11+320.0 "A"  
 II 9.1m FROM STA. 3+352.8 "A" TO STA. 4+400.0 "PR-A"  
 VARIES FROM 9.1m @ STA. 4+400.0 "PR-A" TO 12.2m @ STA. 4+620.0 "PR-A"  
 12.2m FROM STA. 4+620.0 "PR-A" TO STA. 11+320.0 "A"



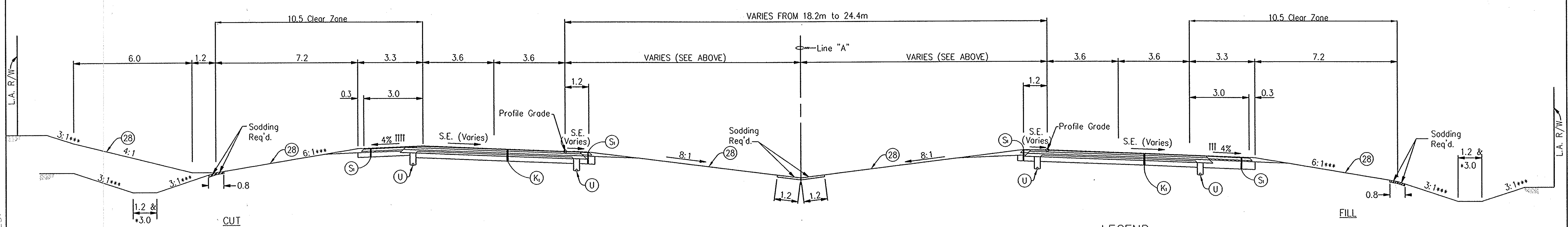
**LEFT TURN LANE**

STA. 4+029.365 "PR-A" TO STA. 4+241.567 "PR-A"  
 STA. 4+327.967 "PR-A" TO STA. 4+492.967 "PR-A"  
 STA. 5+245.000 "A" TO STA. 5+462.800 "A"  
 STA. 7+679.100 "A" TO STA. 7+879.600 "A"  
 STA. 7+986.600 "A" TO STA. 8+186.000 "A"  
 STA. 10+422.000 "A" TO STA. 10+607.300 "A"



**RIGHT TURN LANE**

STA. 4+029.365 "PR-A" TO STA. 4+225.767 "PR-A"  
 STA. 4+305.967 "PR-A" TO STA. 4+492.967 "PR-A"  
 STA. 5+245.000 "A" TO STA. 5+462.800 "A"  
 STA. 5+500.000 "A" TO STA. 5+723.00 "A"  
 STA. 7+679.100 "A" TO STA. 7+879.600 "A"  
 STA. 7+986.600 "A" TO STA. 8+186.000 "A"  
 STA. 10+097.400 "A" TO STA. 10+280.300 "A"



**TYPICAL SUPERELEVATION SECTION**

(Curves to Left Reversed)  
 STA. 3+353.0 "A" TO STA. 3+603.5 "PR-A" (S.E. = 4.60%)  
 STA. 4+550.0 "PR-A" TO STA. 5+270.0 "PR-A" (S.E. = 4.00%)  
 STA. 5+901.0 "A" TO STA. 6+855.5 "A" (S.E. = 3.46%)  
 STA. 6+860.0 "A" TO STA. 7+243.0 "A" (S.E. = 2.00%)  
 STA. 10+998.627 "A" TO STA. 11+320.0 "A" (S.E. = 8.00%)  
 III GREATER OF 4% DOWN OR S.E. DOWN  
 IIII Shoulder Slope = 2.00% DOWN FROM 11+067.627 TO 11+240.000  
 \* As Shown on Cross Sections  
 \*\*\* 4:1 FROM STA. 4+550.0 "PR-A" TO STA. 5+270.0 "PR-A"  
 FROM STA. 5+901.0 "A" TO STA. 6+357.0 "A"

**LEGEND**

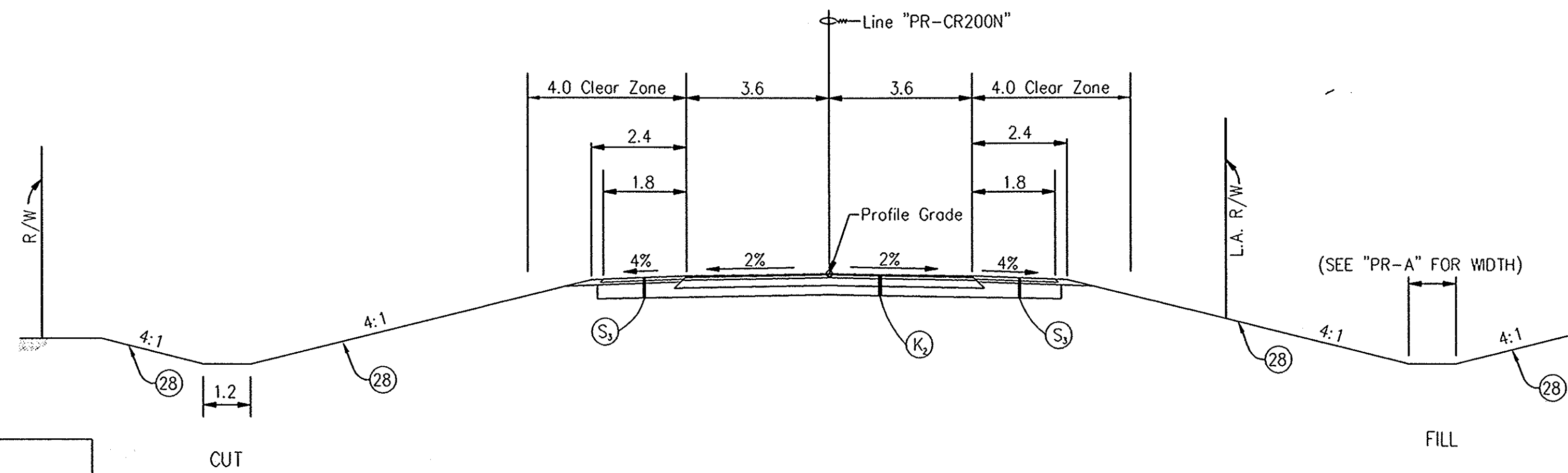
- (K) 90kg/m<sup>2</sup> QC/QA HMA, 4, 76, Surface, 9.5 mm on 150kg/m<sup>2</sup> QC/QA HMA, 4, 76, Intermediate, 19.0 mm on 240kg/m<sup>2</sup> QC/QA HMA, 4, 64, Base, 25.0 mm on 165kg/m<sup>2</sup> QC/QA HMA, 5, 76, Intermediate, C19.0 mm on 240kg/m<sup>2</sup> QC/QA HMA, 4, 64, Base, 25.0 mm on Subgrade Treatment, Type A
- (S) 90kg/m<sup>2</sup> QC/QA HMA, 1, 64, Surface, 9.5 mm on 270kg/m<sup>2</sup> QC/QA HMA, 1, 64, Base, 25.0 mm on 200mm Compacted Aggregate, No. 53, Base on Subgrade Treatment, Type A
- (U) Underdrain, 150mm pipe, See Sheet 4 for Details
- (28) Seeding, Class R

<p><b>NOTES:</b>          All measurements and distances are in meters unless otherwise indicated.          Sections are typical conditions, see the plan &amp; profiles and detail sheets for more specific information.</p>	<p>Subgrade Treatment for fill sections to be compacted to density and moisture requirements of 203.23 to depths as follows:          Type "A" 600mm          Type "B" &amp; "D" 300mm          Type "E" 150mm</p>	<p>Tack coat shall be placed between all HMA layers.          Prime coat shall be placed between compacted aggregate and HMA layers.</p>		<p>RECOMMENDED FOR APPROVAL <i>Alan J. Lauray</i> 4/22/03          DESIGN ENGINEER DATE</p> <p>DESIGNED: JMM DRAWN: JRG          CHECKED: AJD CHECKED: MAT</p>	<p><b>INDIANA DEPARTMENT OF TRANSPORTATION</b></p> <p><b>TYPICAL CROSS SECTIONS</b>          LINE "A" - U.S. 231</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1:100</td> <td></td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>1:100</td> <td>8461360</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEETS</td> </tr> <tr> <td>16722</td> <td>3 of 196</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>R26185</td> <td>NH-075-3 (014)</td> </tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1:100		VERTICAL SCALE	DESIGNATION	1:100	8461360	SURVEY BOOK	SHEETS	16722	3 of 196	CONTRACT	PROJECT	R26185	NH-075-3 (014)
HORIZONTAL SCALE	BRIDGE FILE																					
1:100																						
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1:100	8461360																					
SURVEY BOOK	SHEETS																					
16722	3 of 196																					
CONTRACT	PROJECT																					
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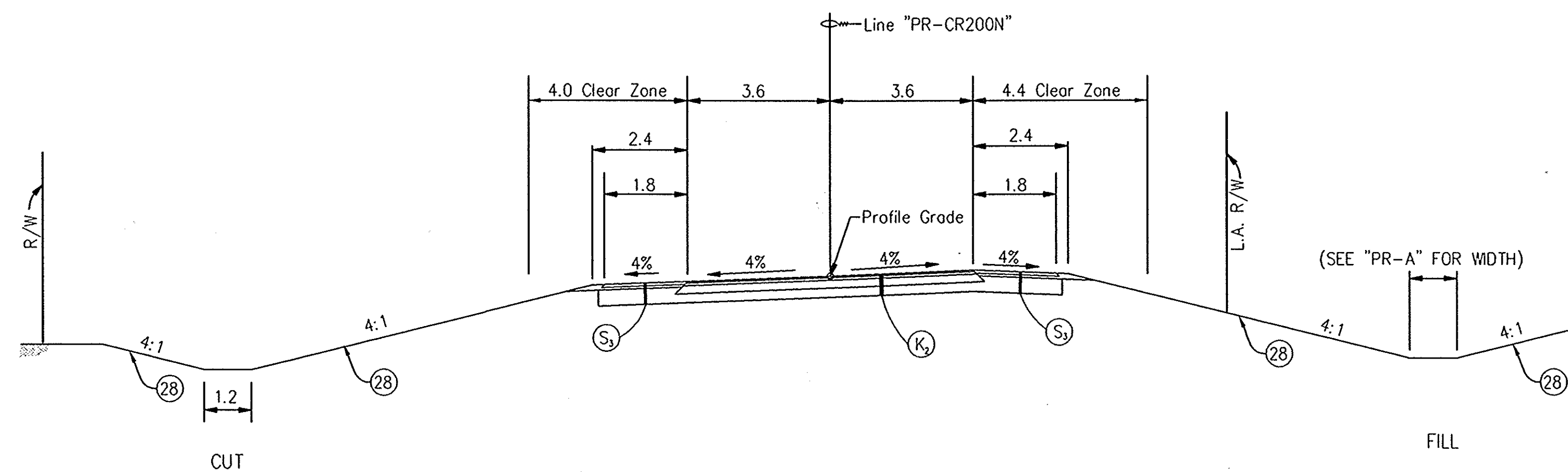


NOTE:  
THERE IS TO BE NO DITCH CONSTRUCTED FROM STA. 9+500.000 TO STA. 9+700.000 LT. "PR-CR200N"



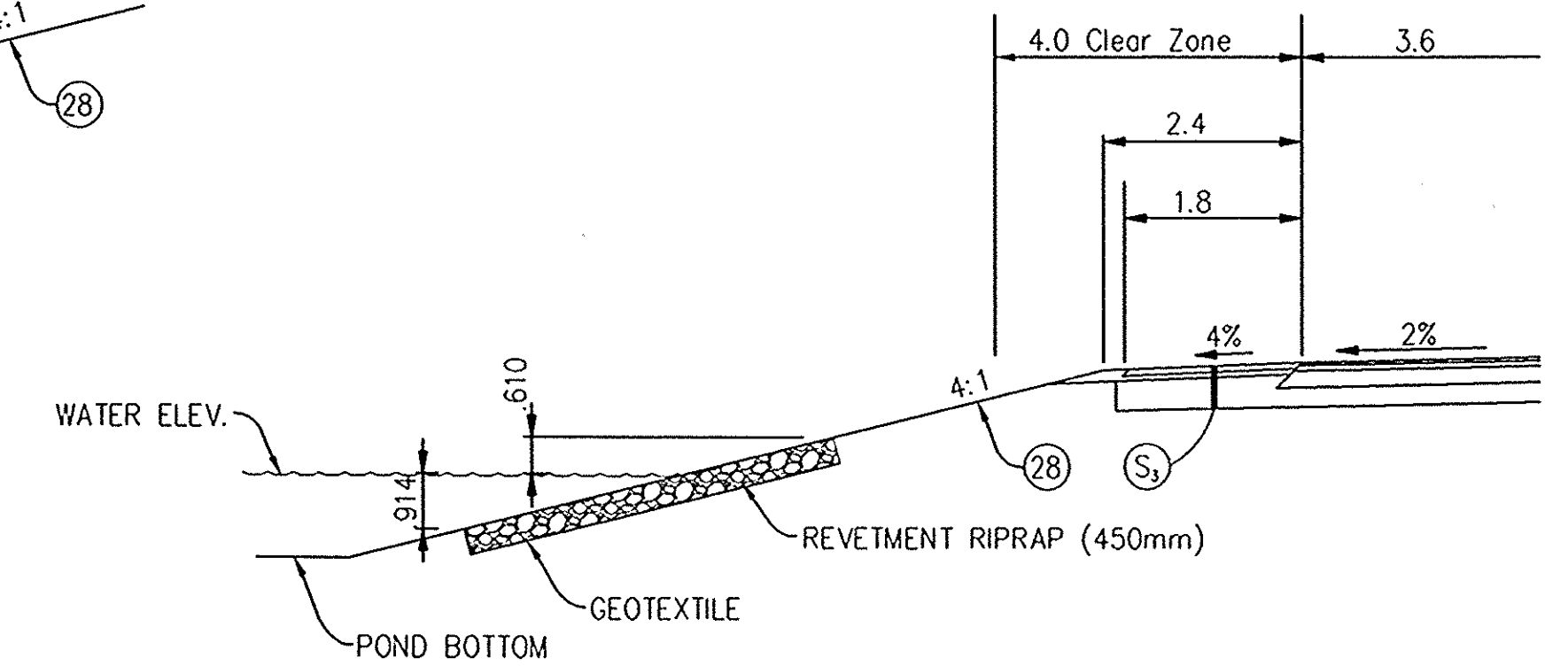
TYPICAL SECTION ON TANGENT  
LINE "PR-CR200N"

NOT TO SCALE  
STA. 9+500.000 TO STA. 9+515.00  
STA. 9+665.000 TO STA. 10+449.913



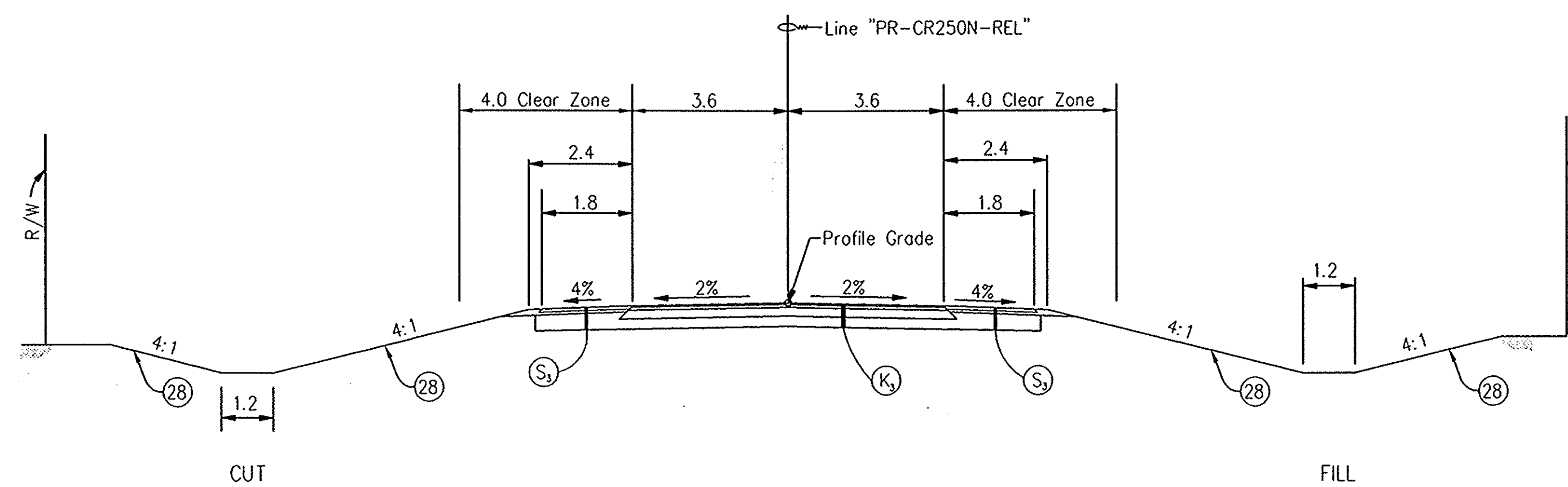
TYPICAL SUPERELEVATION SECTION  
LINE "PR-CR200N"

NOT TO SCALE  
STA. 9+515.000 TO STA. 9+665.000 (S.E. = 4.00%)



TYPICAL SECTION ALONG  
AEP RETENTION POND

NOT TO SCALE  
STA. 10+140.000 TO STA. 10+220.00 "PR-CR200N", LT.



TYPICAL SECTION ON TANGENT  
LINE "PR-CR250N-REL"

NOT TO SCALE  
STA. 19+780.000 TO STA. 19+996.400

LEGEND

- (K2) 90kg/m<sup>2</sup> QC/QA HMA, 1, 64, Surface, 9.5 mm on 270kg/m<sup>2</sup> QC/QA HMA, 1, 64, Intermediate, 19.0 mm on 200mm Compacted Aggregate, No. 53, Base on Subgrade Treatment, Type D
- (K1) 90kg/m<sup>2</sup> QC/QA HMA, 1, 64, Surface, 9.5 mm on 210kg/m<sup>2</sup> QC/QA HMA, 1, 64, Intermediate, 19.0 mm on 200mm Compacted Aggregate, No. 53, Base on Subgrade Treatment, Type D
- (S1) 180kg/m<sup>2</sup> HMA Base 25.0mm with Seal Coat, 2 on 150mm Compacted Aggregate, No. 53, Base on Subgrade Treatment, Type D
- (28) Seeding, Class R

NOTES:

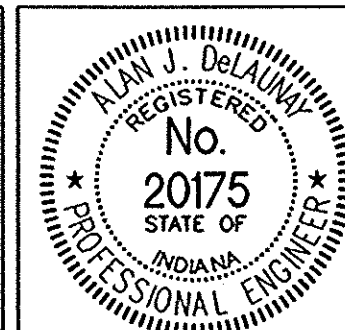
All measurements and distances are in meters unless otherwise indicated.

Sections are typical conditions, see the plan & profiles and detail sheets for more specific information.

Subgrade Treatment for fill sections to be compacted to density and moisture requirements of 203.23 to depths as follows:

- Type "A" 600mm
- Type "B" & "D" 300mm
- Type "E" 150mm

Tack coat shall be placed between all HMA layers. Prime coat shall be placed between compacted aggregate and HMA layers.



RECOMMENDED FOR APPROVAL *Alan J. DeLaney* 4/22/03  
DESIGN ENGINEER DATE

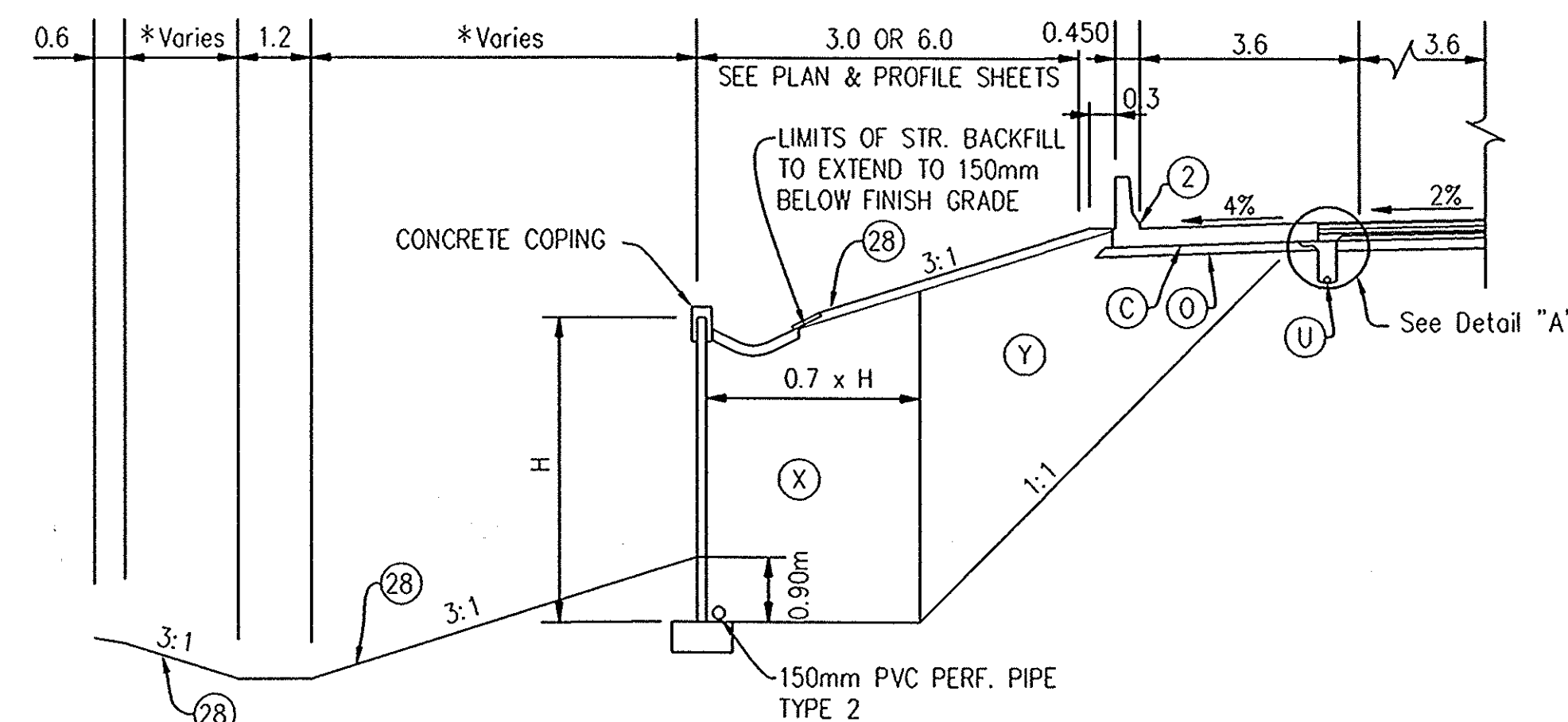
DESIGNED: JMM DRAWN: JRG  
CHECKED: AJD CHECKED: MAT

INDIANA  
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS  
LINES "PR-CR200N" & "PR-CR250N-REL"

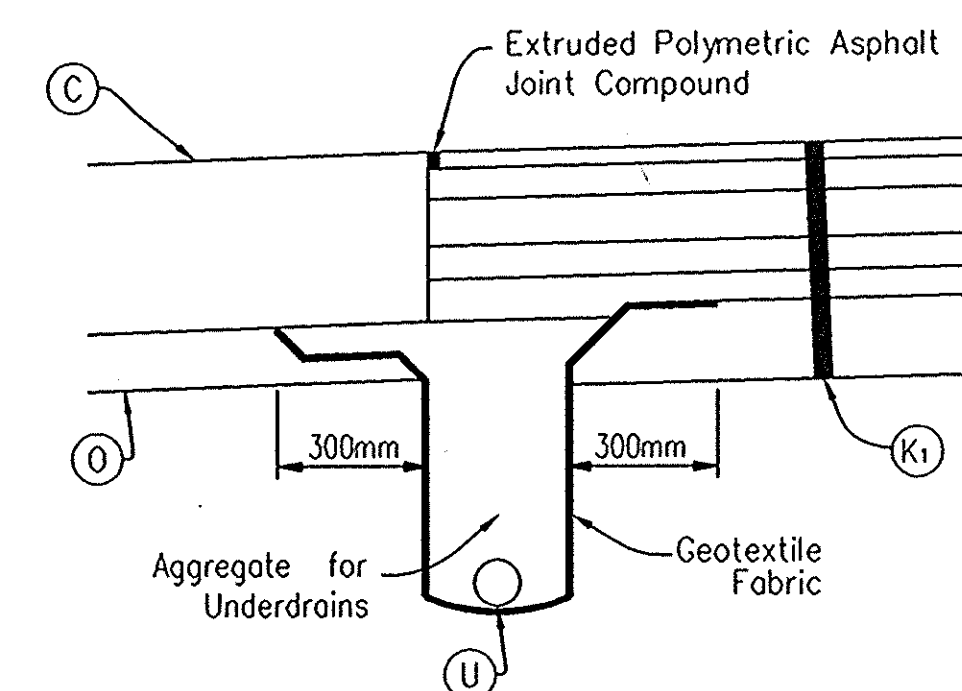
HORIZONTAL SCALE 1:100	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 8461360
SURVEY BOOK 16722	SHEETS 5 of 196
CONTRACT R26185	PROJECT NH-075-3 (014)



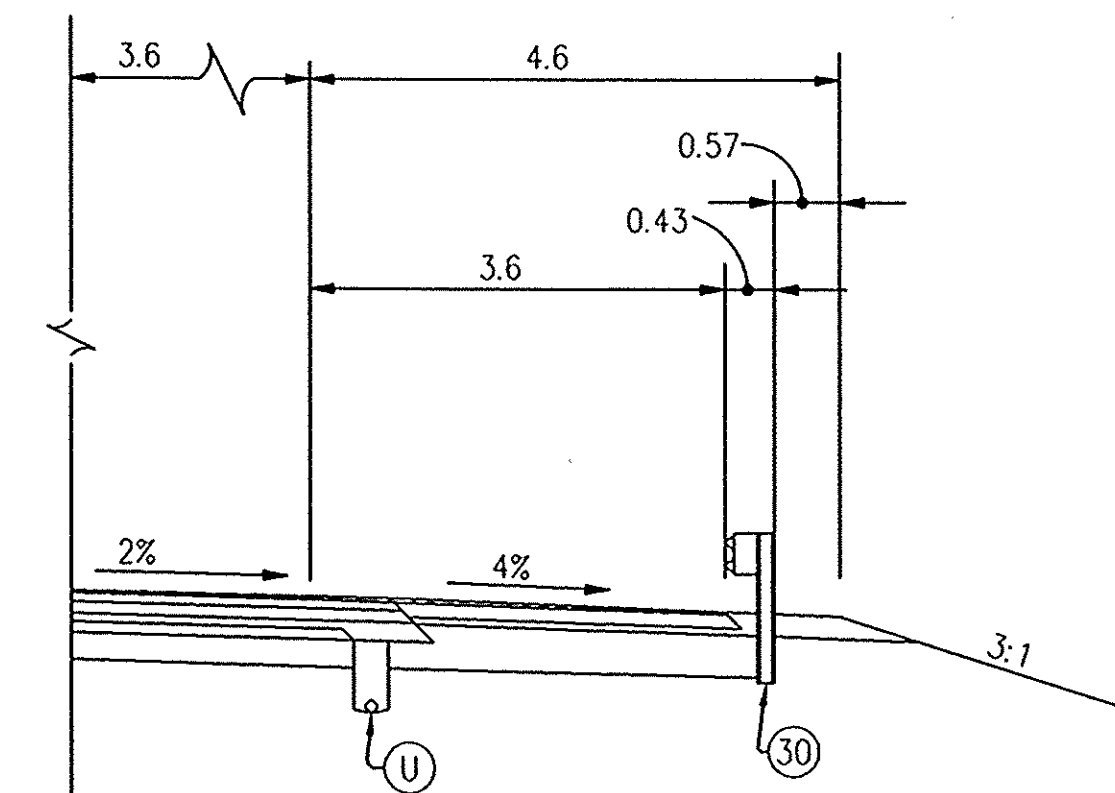


**TYPICAL WALL SECTION  
PARALLEL TO EXISTING US 231**  
REVERSE AS NECESSARY NOT TO SCALE

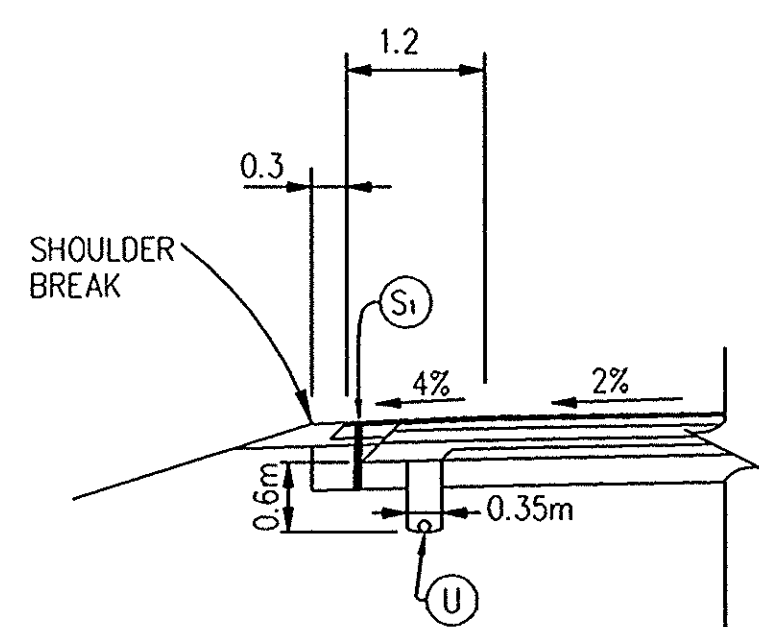
MSE Wall #3 Sta. 7+481.000 "A" to 7+610.000 "A" 27m Lt.  
 MSE Wall Sta. 8+800.000 to 9+210.682 LT (Previously placed)  
 MSE Wall Sta. 8+804.093 to 9+210.682 RT (Previously placed)  
 MSE Wall Sta. 9+275.224 to 9+840.000 LT (Previously placed)  
 MSE Wall Sta. 9+275.224 to 9+721.000 RT (Previously placed)  
 \*SEE CROSS SECTIONS



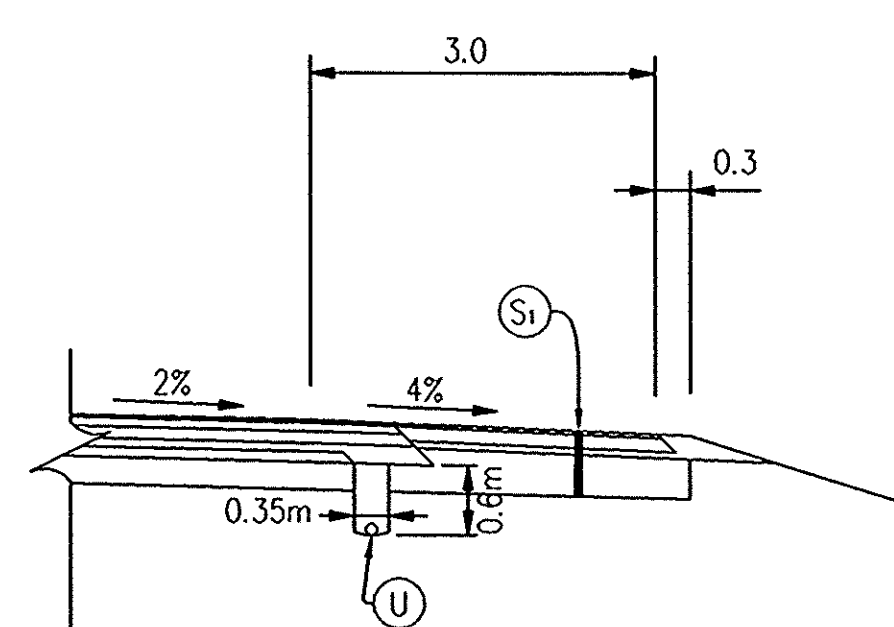
**DETAIL "A"**  
NOT TO SCALE  
REVERSE AS NECESSARY



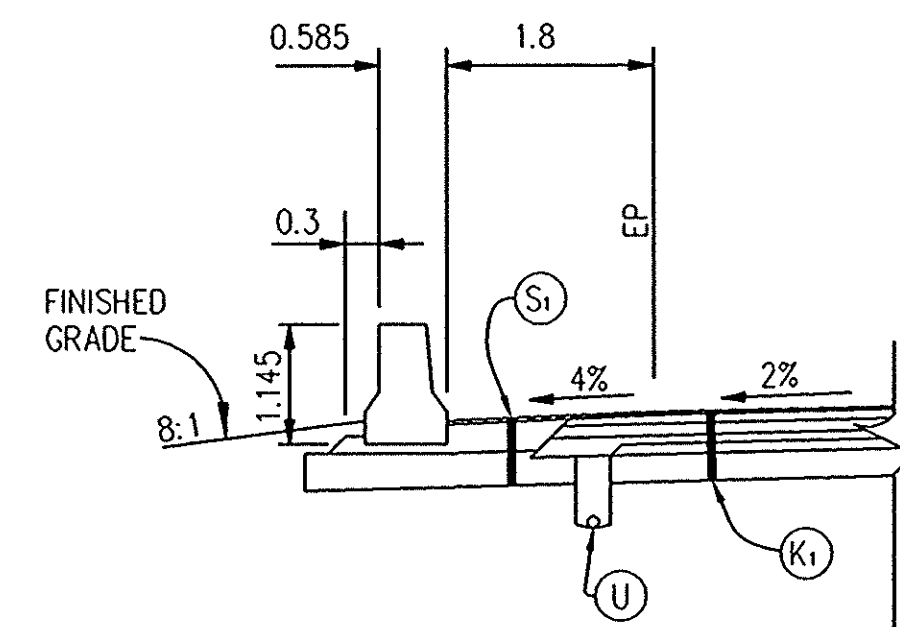
**TYPICAL GUARD RAIL SECTION**  
SEE PROFILE SHEETS FOR LIMITS



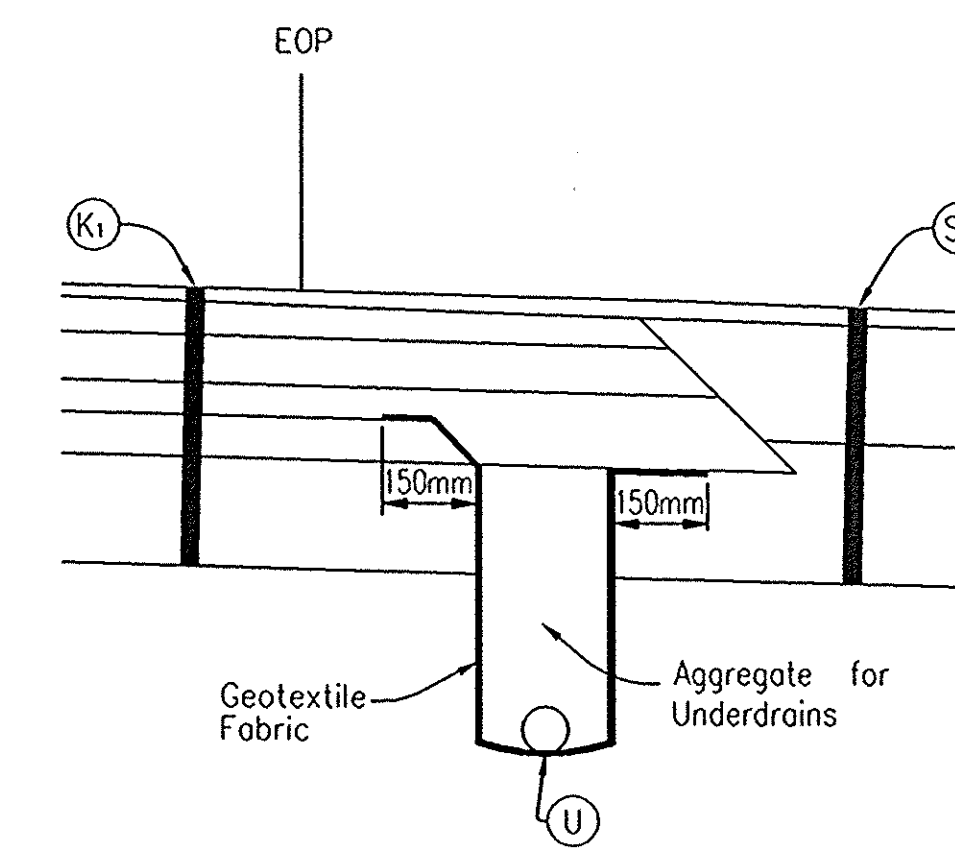
**TYPICAL MEDIAN UNDERDRAIN**  
NOT TO SCALE



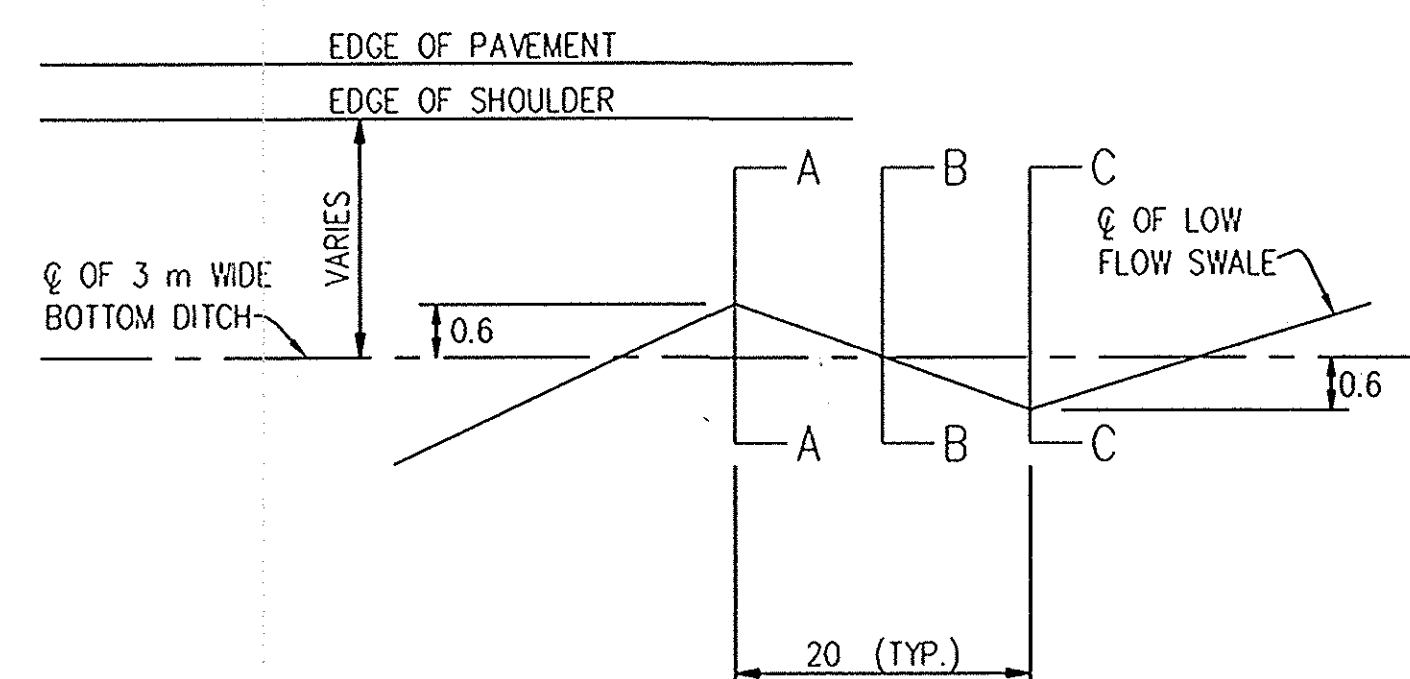
**TYPICAL OUTSIDE UNDERDRAIN**  
NOT TO SCALE



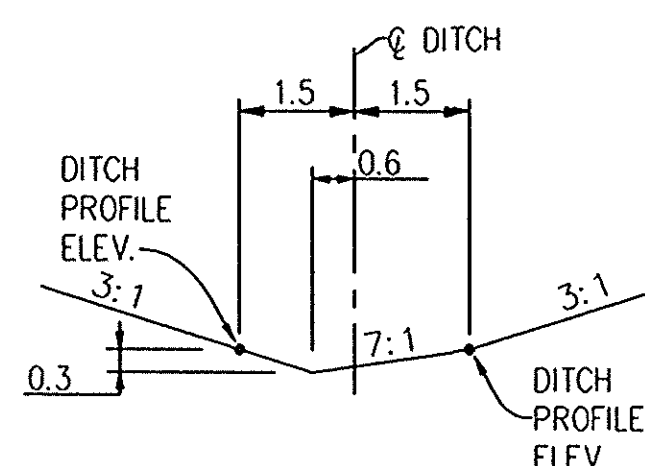
**CONCRETE MEDIAN BARRIER DETAIL**  
REVERSE AS NECESSARY  
STA. 7+294.0 "A" TO STA. 7+312.0 "A"



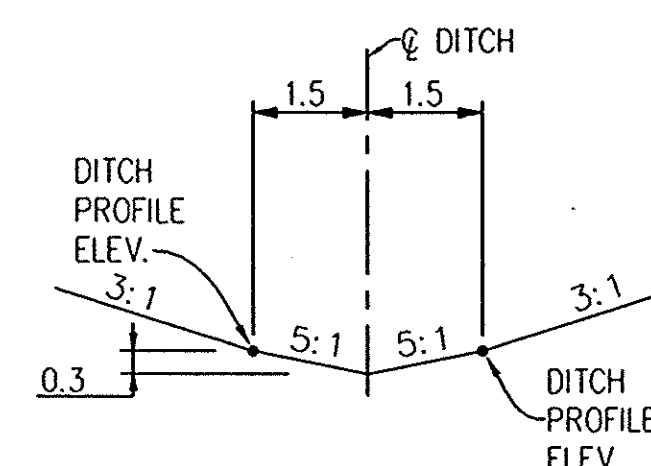
**EDGE OF PAVEMENT PAVING**  
REVERSE AS NECESSARY NOT TO SCALE



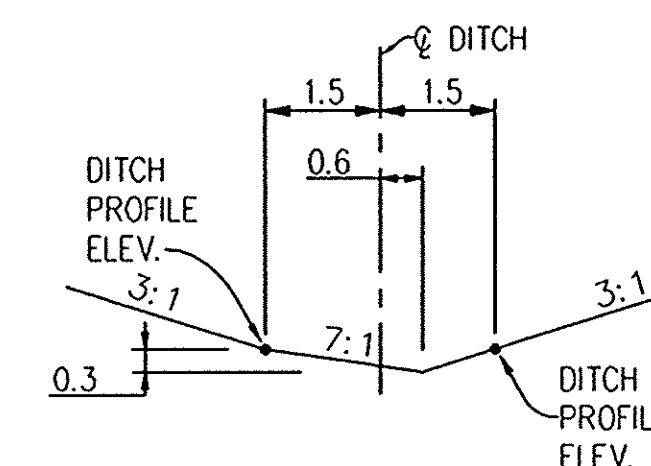
**LOW FLOW DITCH MEANDERING DETAIL  
PLAN VIEW**  
NOT TO SCALE  
Sta. 6+010.000 to Sta. 8+780.000 "A", Rt.



**SECTION A-A**  
NOT TO SCALE



**SECTION B-B**  
NOT TO SCALE



**SECTION C-C**  
NOT TO SCALE

**LEGEND**

- (K1) 90kg/m<sup>2</sup> QC/QA HMA, 4, 76, Surface, 9.5 mm on 150kg/m<sup>2</sup> QC/QA HMA, 4, 76, Intermediate, 19.0 mm on 240kg/m<sup>2</sup> QC/QA HMA, 4, 64, Base, 25.0 mm on 165kg/m<sup>2</sup> QC/QA HMA, 5, 76, Intermediate, C19.0 mm on 240kg/m<sup>2</sup> QC/QA HMA, 4, 64, Base, 25.0 mm on Subgrade Treatment, Type A
- (S1) 90kg/m<sup>2</sup> QC/QA HMA, 1, 64, Surface, 9.5 mm on 270kg/m<sup>2</sup> QC/QA HMA, 1, 64, Base, 25.0 mm on 200mm Compacted Aggregate, No. 53, Base on Subgrade Treatment, Type A
- (C) Reinforced Concrete Pavement, See Sheet 151 for Details
- (O) 150mm Compacted Aggregate, No. 53, Base
- (U) Underdrain, 150mm pipe, See this sheet for details
- (X) Structure Backfill
- (Y) B-Borrow
- (2) Concrete Shoulder w/ Concrete Barrier Rail, See Sheet 151 for Details
- (28) Seeding, Class R
- (30) W-Beam Guardrail

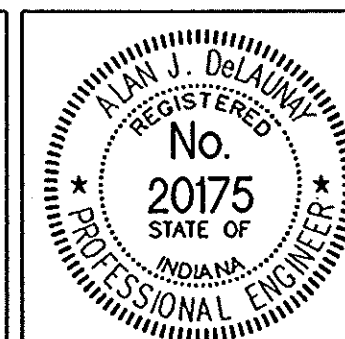
**NOTES:**  
All measurements and distances are in meters unless otherwise indicated.

Sections are typical conditions, see the plan & profiles and detail sheets for more specific information.

Soils that are too wet to compact shall be prepared through chemical soil modification 400mm (16 in.) deep.

Subgrade Treatment for fill sections to be compacted to density and moisture requirements of 203.23 to depths as follows:  
 Type "A" 600mm  
 Type "B" & "D" 300mm  
 Type "C" 150mm

Tack coat shall be placed between all HMA layers. Prime coat shall be placed between compacted aggregate and HMA layers.



RECOMMENDED FOR APPROVAL: *Alan J. DeLaney* 4/22/03  
 DESIGN ENGINEER DATE

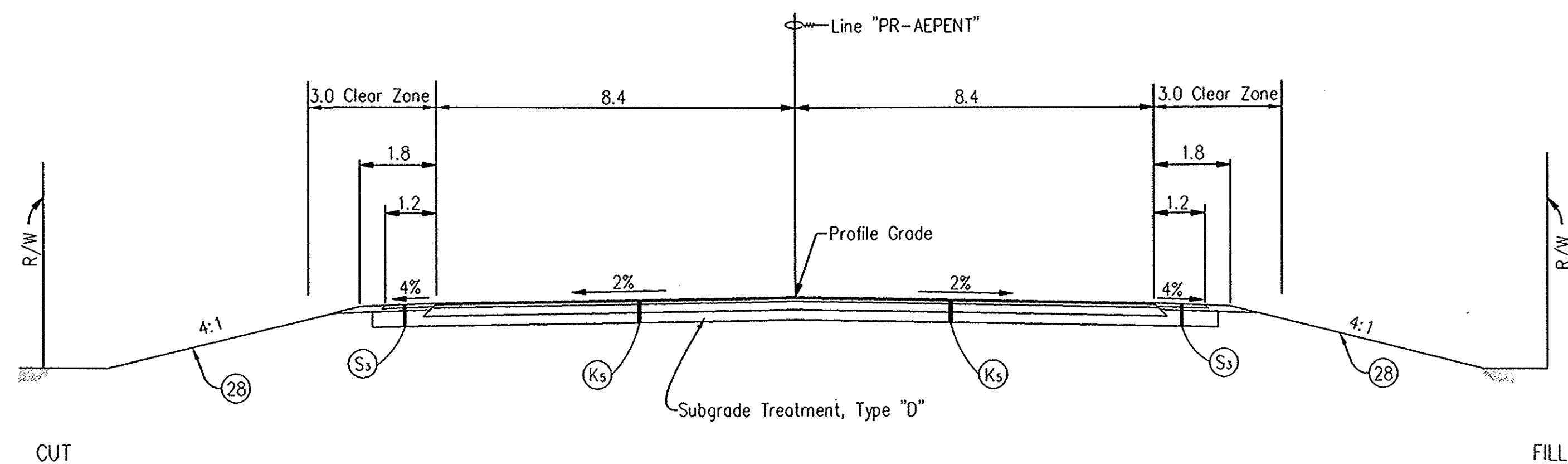
DESIGNED: JMM DRAWN: JRG  
 CHECKED: AJD CHECKED: MAT

**INDIANA  
DEPARTMENT OF TRANSPORTATION**  
  
**TYPICAL CROSS SECTIONS  
LINE "A" - U.S. 231**

HORIZONTAL SCALE 1:100	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 8461360
SURVEY BOOK 16722	SHEETS 4 of 196
CONTRACT R26185	PROJECT NH-075-3 (014)

EA:98011\Food\TYP\_SEC2.dwg 3/19/2003 9:22:51 AM UEST





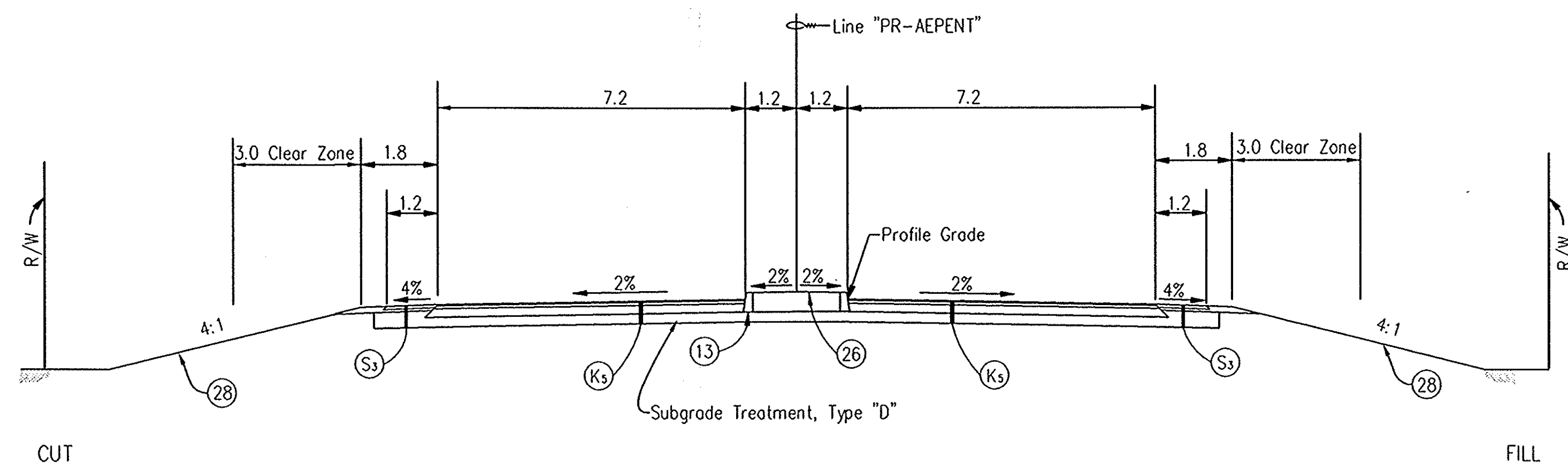
TYPICAL SECTION ON TANGENT  
LINE "PR-AEPENT"

NOT TO SCALE

STA. 4+890.000 "PR-AEPENT" TO STA. 4+898.773 "PR-AEPENT"  
 STA. 4+932.200 "PR-AEPENT" TO STA. 4+977.000 "PR-AEPENT"  
 STA. 5+019.400 "PR-AEPENT" TO STA. 5+025.553 "PR-AEPENT"

LEGEND

- (Ks) 90kg/m<sup>2</sup> QC/QA HMA, 1, 64, Surface, 9.5 mm on 270kg/m<sup>2</sup> QC/QA HMA, 1, 64, Intermediate, 19.0 mm on 200mm Compacted Aggregate, No. 53, Base on Subgrade Treatment, Type D
- (Ss) 180kg/m<sup>2</sup> HMA Base 25.0mm with Seal Coat, 2 on 150mm Compacted Aggregate, No. 53, Base on Subgrade Treatment, Type D
- (13) Concrete Curb
- (26) Nursery Sodding
- (28) Seeding, Class R



TYPICAL SECTION w/MEDIAN  
LINE "PR-AEPENT"

NOT TO SCALE

STA. 4+898.773 "PR-AEPENT" TO STA. 4+932.200 "PR-AEPENT"  
 STA. 5+025.553 "PR-AEPENT" TO STA. 5+140.000 "PR-AEPENT"

E:\98011\road\typ\_sec4.dwg 4/3/2003 7:57:29 AM UEST

NOTES:

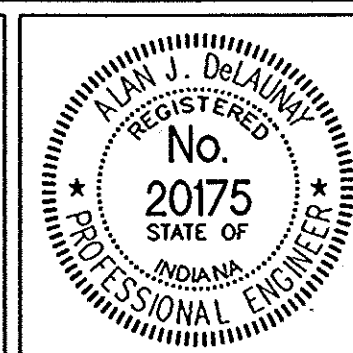
All measurements and distances are in meters unless otherwise indicated.

Sections are typical conditions, see the plan & profiles and detail sheets for more specific information.

Subgrade Treatment for fill sections to be compacted to density and moisture requirements of 203.23 to depths as follows:

- Type "A" 600mm
- Type "B" & "D" 300mm
- Type "E" 150mm

Tack coat shall be placed between all HMA layers. Prime coat shall be placed between compacted aggregate and HMA layers.



RECOMMENDED FOR APPROVAL *Alan J. DeLaney* 4/22/03  
DESIGN ENGINEER DATE

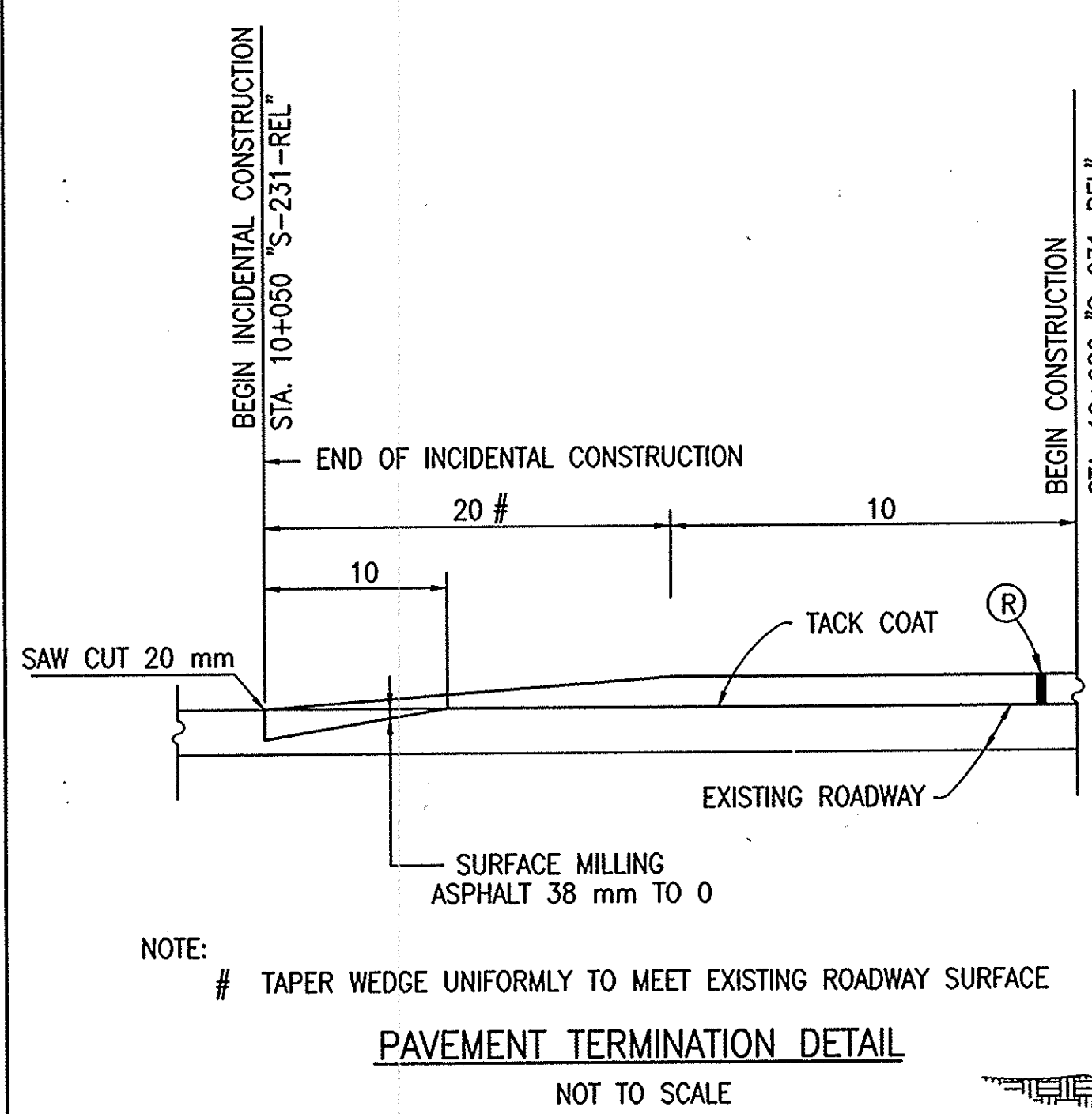
DESIGNED: JMM DRAWN: JRG  
CHECKED: AJD CHECKED: MAT

INDIANA DEPARTMENT OF TRANSPORTATION

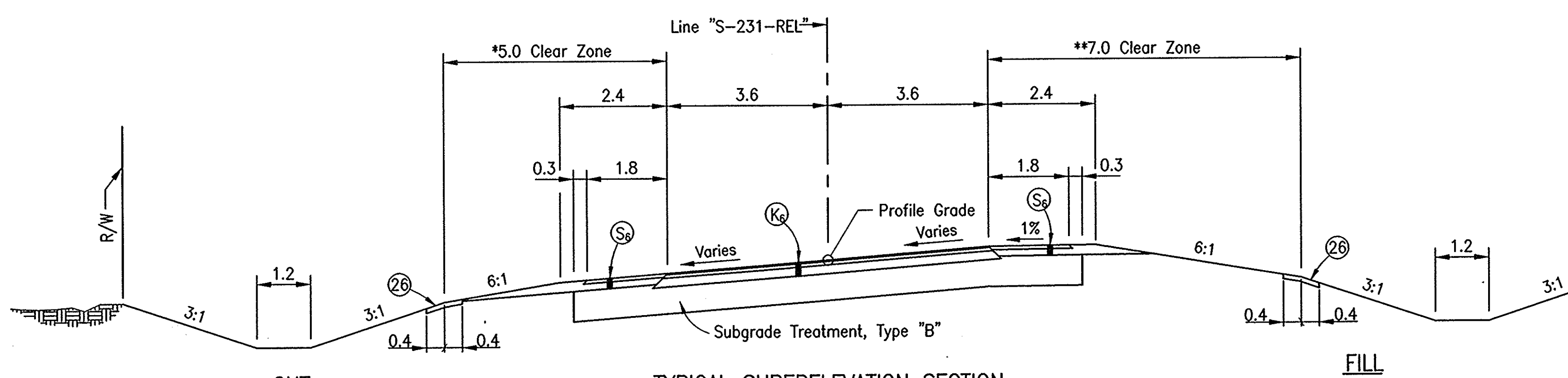
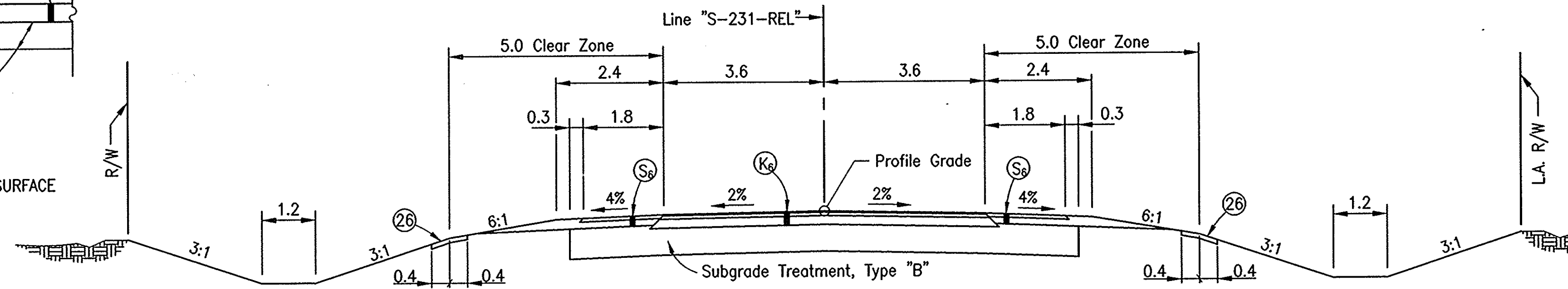
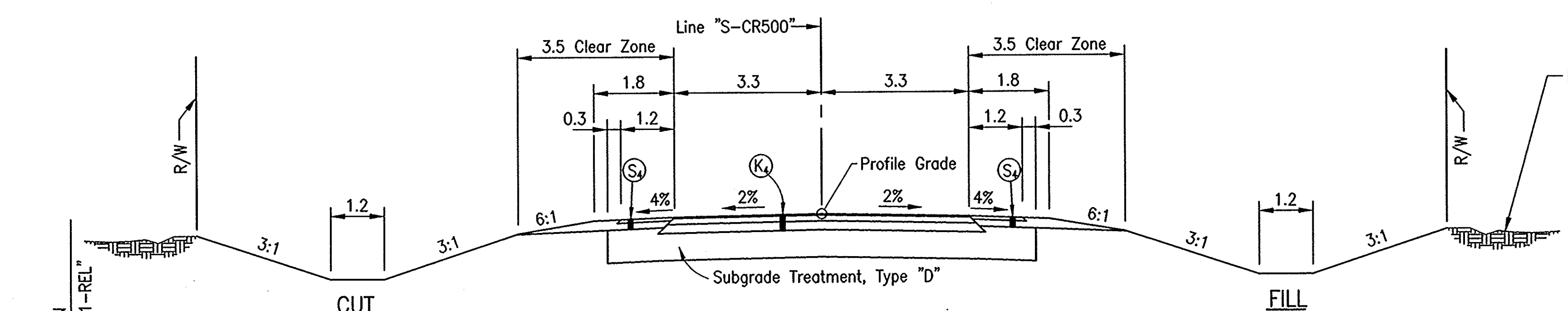
TYPICAL CROSS SECTIONS  
LINE "PR-AEPENT"

HORIZONTAL SCALE	BRIDGE FILE
1:100	
VERTICAL SCALE	DESIGNATION
1:100	8461360
SURVEY BOOK	SHEETS
16722	6 of 196
CONTRACT	PROJECT
R26185	NH-075-3 (014)





NOTE: # TAPER WEDGE UNIFORMLY TO MEET EXISTING ROADWAY SURFACE



\* CLEAR ZONE IS 5.0 FROM STA. 10+082 TO STA. 10+289.987  
CLEAR ZONE VARIES FROM 5.0 AT STA. 10+289.987 TO 7.0 AT STA. 10+337.987  
CLEAR ZONE IS 7.0 FROM STA. 10+337.987 TO STA. 10+412.193  
CLEAR ZONE VARIES FROM 7.0 AT STA. 10+412.193 TO 5.0 AT STA. 10+458.388  
CLEAR ZONE IS 5.0 FROM STA. 10+458.388 TO STA. 10+503  
CLEAR ZONE VARIES FROM 5.0 AT STA. 10+526.596 TO 7.0 AT STA. 10+574.596  
CLEAR ZONE IS 7.0 FROM STA. 10+574.596 TO STA. 10+649.854  
CLEAR ZONE VARIES FROM 7.0 AT STA. 10+649.854 TO 5.0 AT STA. 10+696.049  
CLEAR ZONE IS 5.0 FROM STA. 10+696.049 TO STA. 10+967

\*\* CLEAR ZONE IS 5.0 FROM STA. 10+082 TO STA. 10+127.088  
CLEAR ZONE VARIES FROM 5.0 AT STA. 10+127.088 TO 7.0 AT STA. 10+173.282  
CLEAR ZONE IS 7.0 FROM STA. 10+173.282 TO STA. 10+247.698  
CLEAR ZONE VARIES FROM 7.0 AT STA. 10+247.698 TO 5.0 AT STA. 10+295.698  
CLEAR ZONE IS 5.0 FROM STA. 10+295.698 TO STA. 10+503 AND FROM 10+530 TO STA. 10+785.851  
CLEAR ZONE VARIES FROM 5.0 AT STA. 10+785.851 TO 7.0 AT STA. 10+832.046  
CLEAR ZONE IS 7.0 FROM STA. 10+832.046 TO STA. 10+907.333  
CLEAR ZONE VARIES FROM 7.0 AT STA. 10+907.333 TO 5.0 AT STA. 10+955.333  
CLEAR ZONE IS 5.0 FROM STA. 10+955.333 TO STA. 10+967

**LEGEND**

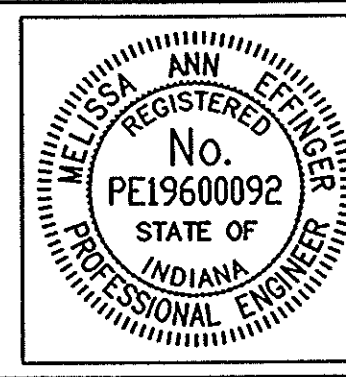
- (K<sub>6</sub>) 90 Kg/m<sup>2</sup> QC/QA-HMA, 1, 64, Surface 9.5 mm on 210 Kg/m<sup>2</sup> QC/QA-HMA, 1, 64, Intermediate 19.0 mm, on 200 mm of Compacted Aggregate, No. 53, Base
- (K<sub>2</sub>) 90 Kg/m<sup>2</sup> QC/QA-HMA, 2, 64, Surface 9.5 mm on 150 Kg/m<sup>2</sup> QC/QA-HMA, 2, 64, Intermediate 19.0 mm, on 480 Kg/m<sup>2</sup> QC/QA-HMA, 2, 64, Base 25.0 mm
- (R) Variable Depth QC/QA-HMA, 1, 64, Surface 9.5 mm
- (S<sub>2</sub>) 180 Kg/m<sup>2</sup> QC/QA-HMA, 1, 64, Base 25.0 mm with Seal Coat, 2 on 150 mm Compacted Aggregate, No. 53, Base
- (S<sub>4</sub>) 180 Kg/m<sup>2</sup> QC/QA-HMA, 2, 64, Base 25.0 mm with Seal Coat, 2 on 150 mm Compacted Aggregate, No. 53, Base
- (26) Sodding

Tack Coat Shall Be Placed Between All HMA Layers.  
Prime Coat Shall Be Placed Between Compacted Aggregate and HMA Layers.

Note:  
Subgrade Treatment for fill sections to be compacted to density and moisture requirements of 203.23 to depths as follows:  
Type "A" 600mm  
Type "B" & "D" 300mm  
Type "E" 150mm

**NOTE:**  
All measurements/distances are in meters unless otherwise indicated.

Date: 11/29/03  
 Drawn: J.W.M.  
 Checked: P.L.K.  
 Design: M.A.E.  
 Project: 210... (S-231-REL)



RECOMMENDED FOR APPROVAL	<i>Melissa A. Effinger</i>	04-22-03
DESIGNED:	M.A.E.	DATE
DRAWN:	J.W.M.	
CHECKED:	P.L.K.	
	M.A.E.	

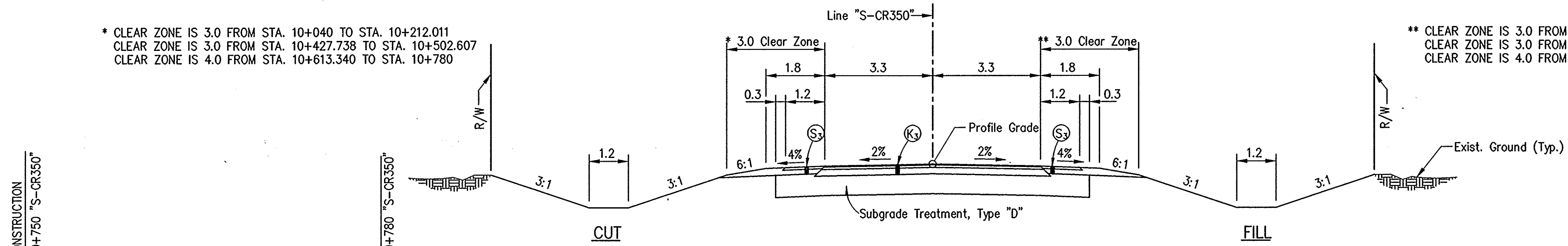
INDIANA  
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS  
LINE "S-CR500" & "S-231-REL"

HORIZONTAL SCALE	BRIDGE FILE
1:80	
VERTICAL SCALE	DESIGNATION
1:80	8461360
SURVEY BOOK	SHEETS
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CONTRACT	PROJECT
R-26185	NH-075-3(014)

\* CLEAR ZONE IS 3.0 FROM STA. 10+040 TO STA. 10+212.011  
 CLEAR ZONE IS 3.0 FROM STA. 10+427.738 TO STA. 10+502.607  
 CLEAR ZONE IS 4.0 FROM STA. 10+613.340 TO STA. 10+780

\*\* CLEAR ZONE IS 3.0 FROM STA. 10+040 TO STA. 10+212.011  
 CLEAR ZONE IS 3.0 FROM STA. 10+427.738 TO STA. 10+502.607  
 CLEAR ZONE IS 4.0 FROM STA. 10+613.340 TO STA. 10+780



**TYPICAL SECTION ON TANGENT**  
**LINE "S-CR350" (CO. RD. 350 N.)**  
 STA. 10+040 TO STA. 10+160.500 "S-CR350"  
 STA. 10+427.300 TO STA. 10+539.554 "S-CR350"  
 STA. 10+588.506 TO STA. 10+750.000 "S-CR350"

**LEGEND**

(K<sub>3</sub>) 90 Kg/m<sup>2</sup> QC/QA-HMA, I, 64, Surface 9.5 mm on  
 270 Kg/m<sup>2</sup> QC/QA-HMA, I, 64, Intermediate 19.0 mm, on  
 200 mm of Compacted Aggregate, No. 53, Base

(R) Variable Depth QC/QA-HMA, I, 64, Surface 9.5 mm

(S<sub>3</sub>) 180 Kg/m<sup>2</sup> QC/QA-HMA, I, 64, Base 25.0 mm with Seal Coat, 2 on  
 150 mm Compacted Aggregate, No. 53, Base

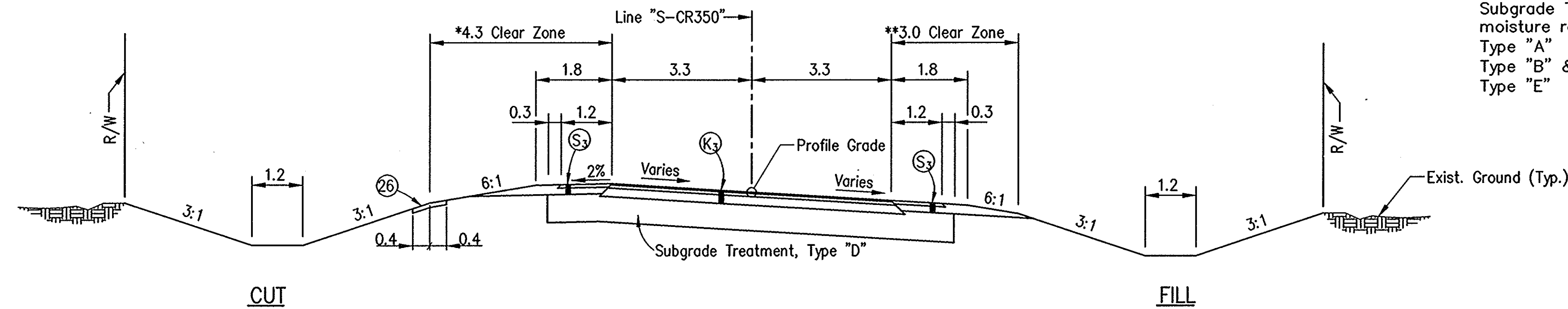
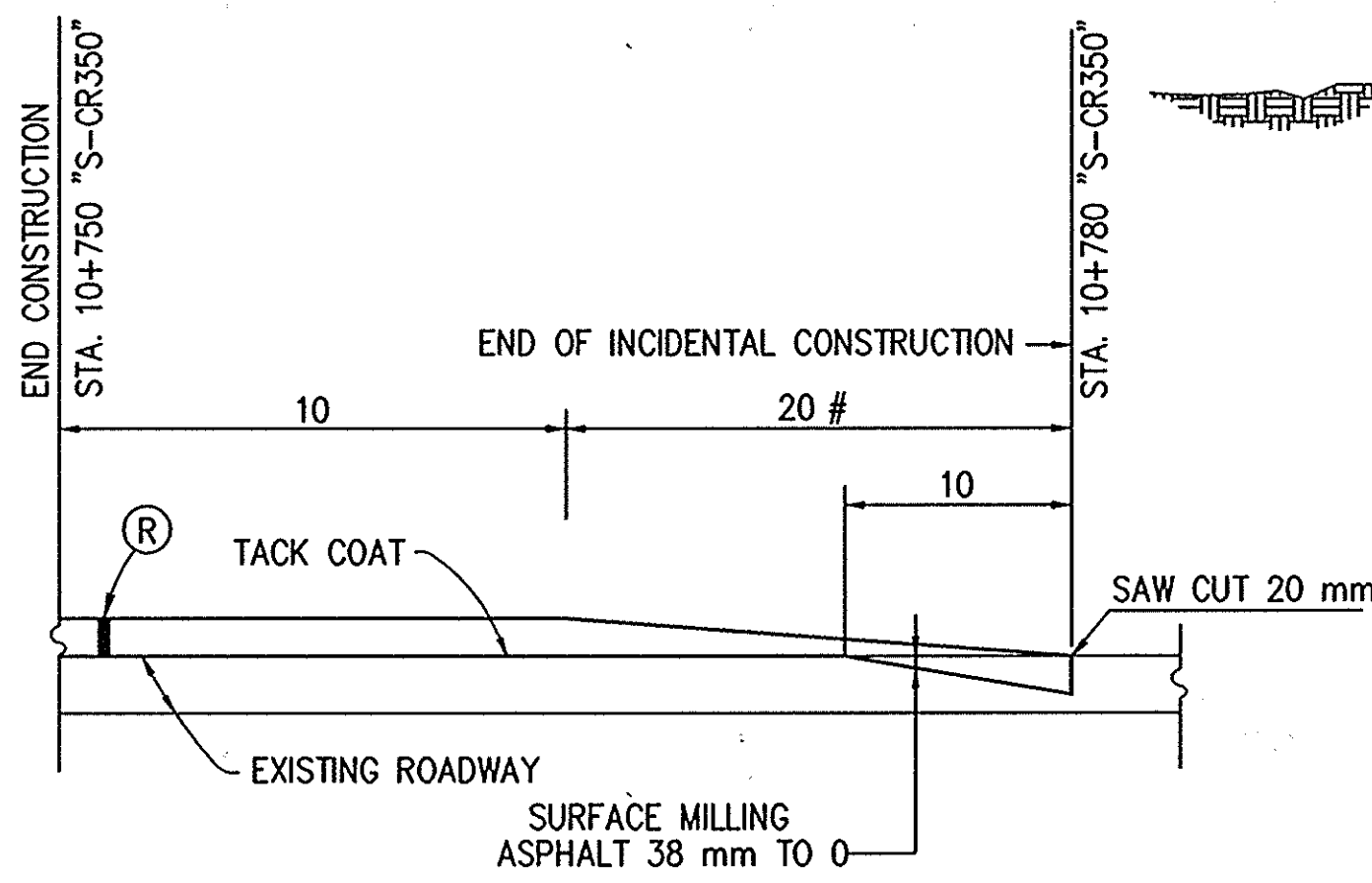
Tack Coat Shall Be Placed Between All HMA Layers.

Prime Coat Shall Be Placed Between Compacted  
 Aggregate and HMA Layers.

Note:  
 Subgrade Treatment for fill sections to be compacted to density and  
 moisture requirements of 203.23 to depths as follows:  
 Type "A" 600mm  
 Type "B" & "D" 300mm  
 Type "E" 150mm

NOTE:  
 # TAPER WEDGE UNIFORMLY TO MEET EXISTING ROADWAY SURFACE

**PAVEMENT TERMINATION DETAIL**  
 NOT TO SCALE



**TYPICAL SUPERELEVATION SECTION**  
**LINE "S-CR350" (CO. RD. 350 N.)**

\* CLEAR ZONE IS 3.0 FROM STA. 10+212.011 TO STA. 10+297.513  
 CLEAR ZONE VARIES FROM 3.0 AT STA. 10+297.513 TO 4.3 AT STA. 10+333.513  
 CLEAR ZONE IS FROM 4.3 FROM STA 10+333.513 TO STA. 10+355.984  
 CLEAR ZONE VARIES FROM 4.3 AT STA. 10+355.984 TO 3.0 AT STA. 10+376.278  
 CLEAR ZONE IS 3.0 FROM STA. 10+376.278 TO STA. 10+427.738

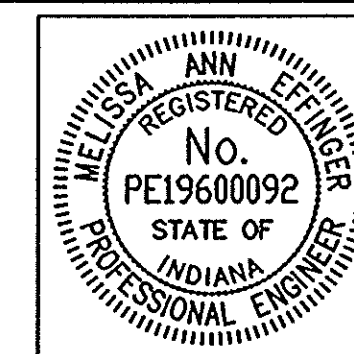
STA. 10+160.500 TO STA. 10+198.881 "S-CR350" (CURVE LEFT, SE = 6.0%)  
 (PAVING EXCEPTION STA. 10+198.881 TO STA. 10+208.300 "S-CR350" FOR AT GRADE RR CROSSING)  
 STA. 10+208.300 TO STA. 10+313.707 "S-CR350" (CURVE LEFT, SE = 6.0%)  
 STA. 10+313.707 TO STA. 10+427.300 "S-CR350" (CURVE RIGHT, SE = 6.0%)  
 (SEE SUPERELEVATION DETAILS)

\*\* CLEAR ZONE IS 3.0 FROM STA. 10+212.011 TO STA. 10+242.910  
 CLEAR ZONE VARIES FROM 3.0 AT STA. 10+242.910 TO 4.3 AT STA. 10+277.933  
 CLEAR ZONE IS 4.3 FROM STA. 10+277.933 TO STA. 10+293.901  
 CLEAR ZONE VARIES FROM 4.3 AT STA. 10+293.901 TO 3.0 AT STA. 10+329.901  
 CLEAR ZONE IS 3.0 FROM STA. 10+329.901 TO STA. 10+427.738.

**NOTE:**

All measurements/distances are in meters  
 unless otherwise indicated.

Time: 11:20:53  
 Date: 4/27/2003  
 Drawing File: 210\_01010\TYPICALS\phase-1\TYPICAL-350.dwg (GR11)

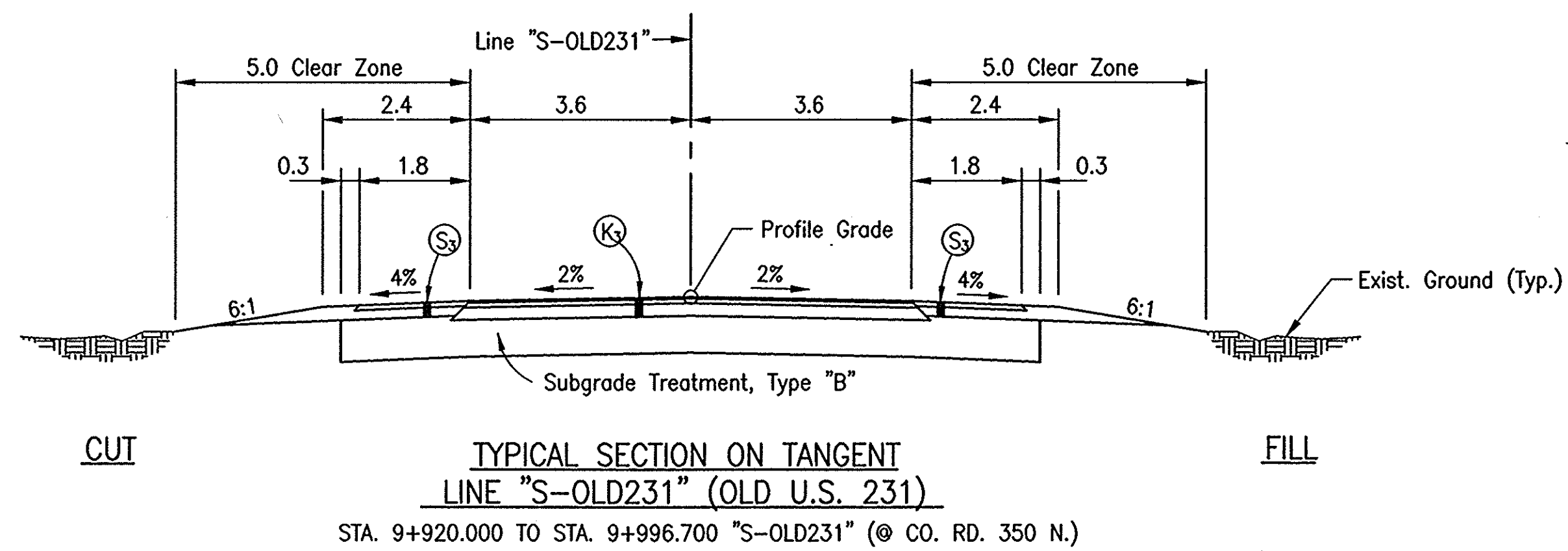


RECOMMENDED FOR APPROVAL	<i>Melissa A. Eljuga</i>	04-22-03
DESIGNED: M.A.E.	DRAWN: J.W.M.	DATE
CHECKED: P.L.K.	CHECKED: M.A.E.	

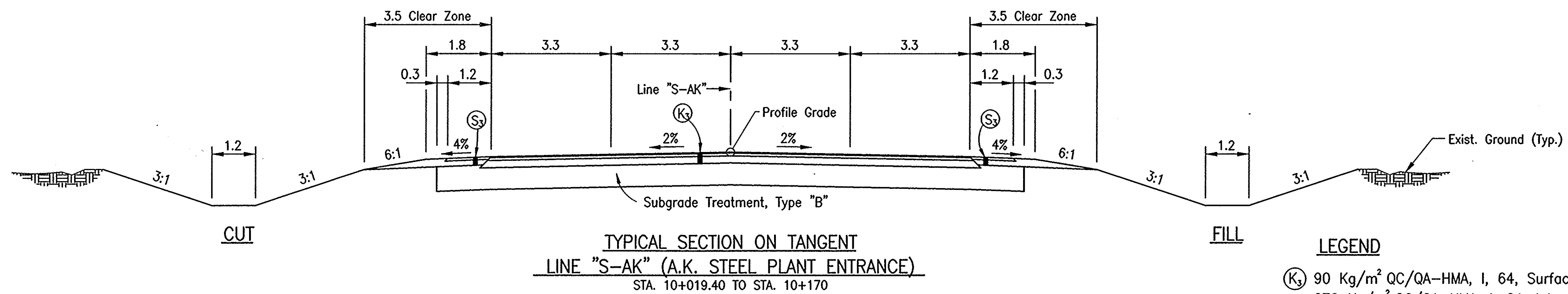
<b>INDIANA</b> <b>DEPARTMENT OF TRANSPORTATION</b>	
<b>TYPICAL CROSS SECTIONS</b> <b>LINE "S-CR350"</b>	

HORIZONTAL SCALE	BRIDGE FILE
1:80	
VERTICAL SCALE	DESIGNATION
1:80	8461360
SURVEY BOOK	SHEETS
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CONTRACT	PROJECT
R-26185	NH-075-3(014)





**TYPICAL SECTION ON TANGENT**  
**LINE "S-OLD231" (OLD U.S. 231)**  
 STA. 9+920.000 TO STA. 9+996.700 "S-OLD231" (@ CO. RD. 350 N.)



**TYPICAL SECTION ON TANGENT**  
**LINE "S-AK" (A.K. STEEL PLANT ENTRANCE)**  
 STA. 10+019.40 TO STA. 10+170

**LEGEND**

- (K) 90 Kg/m<sup>2</sup> QC/QA-HMA, 1, 64, Surface 9.5 mm on 270 Kg/m<sup>2</sup> QC/QA-HMA, 1, 64, Intermediate 19.0 mm, on 200 mm of Compacted Aggregate, No. 53, Base
- (S) 180 Kg/m<sup>2</sup> QC/QA-HMA, 1, 64, Base 25.0 mm with Seal Coat, 2 on 150 mm Compacted Aggregate, No. 53, Base

Tack Coat Shall Be Placed Between All HMA Layers.

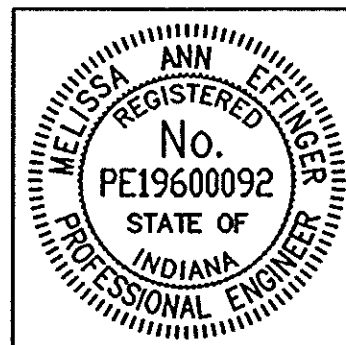
Prime Coat Shall Be Placed Between Compacted Aggregate and HMA Layers.

Note:  
 Subgrade Treatment for fill sections to be compacted to density and moisture requirements of 203.23 to depths as follows:  
 Type "A" 600mm  
 Type "B" & "D" 300mm  
 Type "E" 150mm

**NOTE:**

All measurements/distances are in meters unless otherwise indicated.

Date: 4/16/2003  
 Scale: 1"=20'  
 Drawing File: 210\_VDRG(TYPICAL)gher-1a(TYPICAL-OLD231-OLD.dwg) (CFHA)



RECOMMENDED FOR APPROVAL	<i>Melissa A. Effinger</i>	04-22-03
DESIGNED: M.A.E.	DRAWN: J.W.M.	DATE
CHECKED: P.L.K.	CHECKED: M.A.E.	

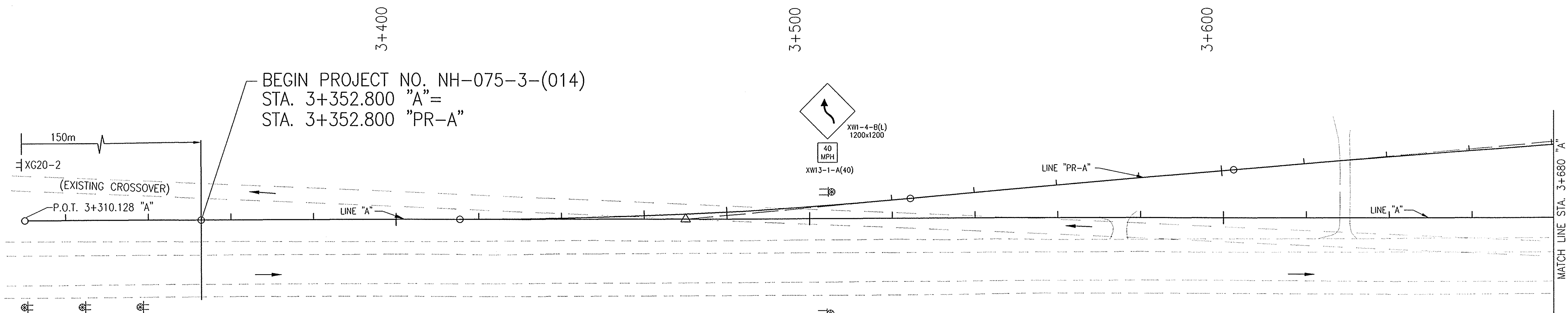
**INDIANA DEPARTMENT OF TRANSPORTATION**

**TYPICAL CROSS SECTIONS**  
**LINES "S-OLD231" & "S-AK"**

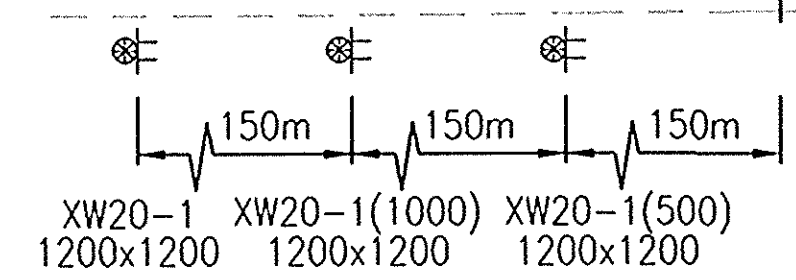
HORIZONTAL SCALE	BRIDGE FILE
1:80	
VERTICAL SCALE	DESIGNATION
1:80	8461360
SURVEY BOOK	SHEETS
16722	9 of 196
CONTRACT	PROJECT
R-26185	NH-075-3( )





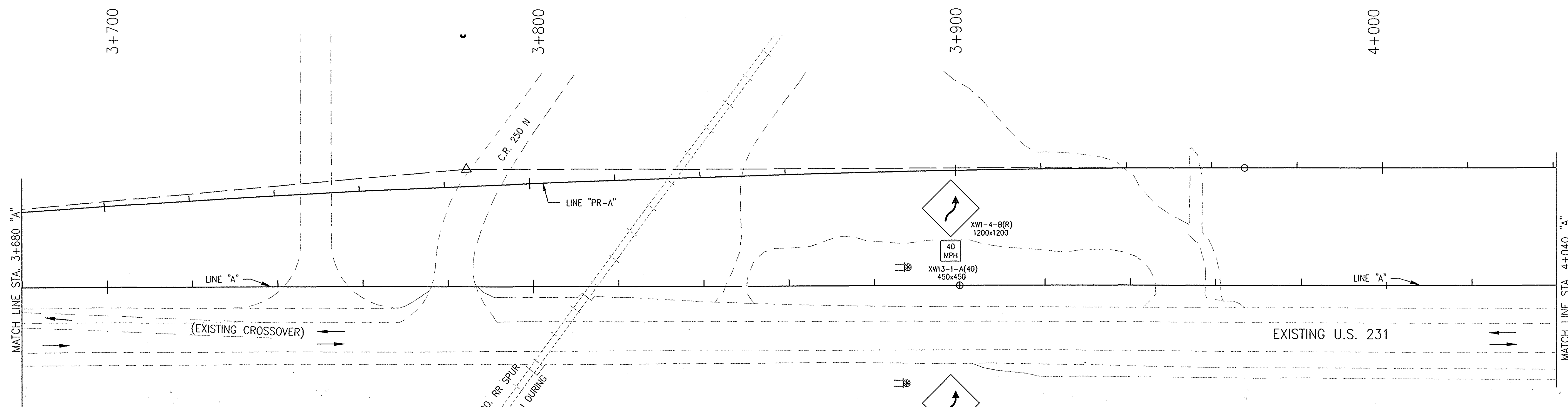
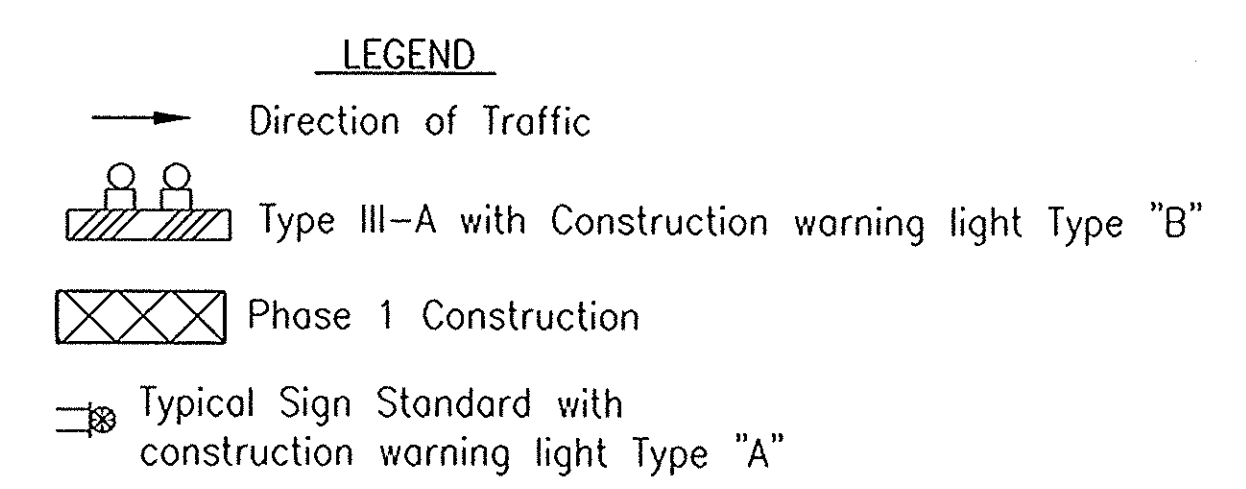


BEGIN PROJECT NO. NH-075-3-(014)  
 STA. 3+352.800 "A"  
 STA. 3+352.800 "PR-A"



**PHASE I NOTES**

1. Maintain Highway Traffic on Existing U.S. 231.
2. Maintain Railroad Traffic on Existing Railroad Lines.
3. Construct US 231 pavement section except for the surface course.
4. Construct AK Steel Entrance, Part Width Construction to be used. Access to scales shall be maintained at all times.
5. Construct C.R. 350 N. east of existing U.S. 231. Local traffic between A.E.P. & Waste Pit to be maintained at all times.

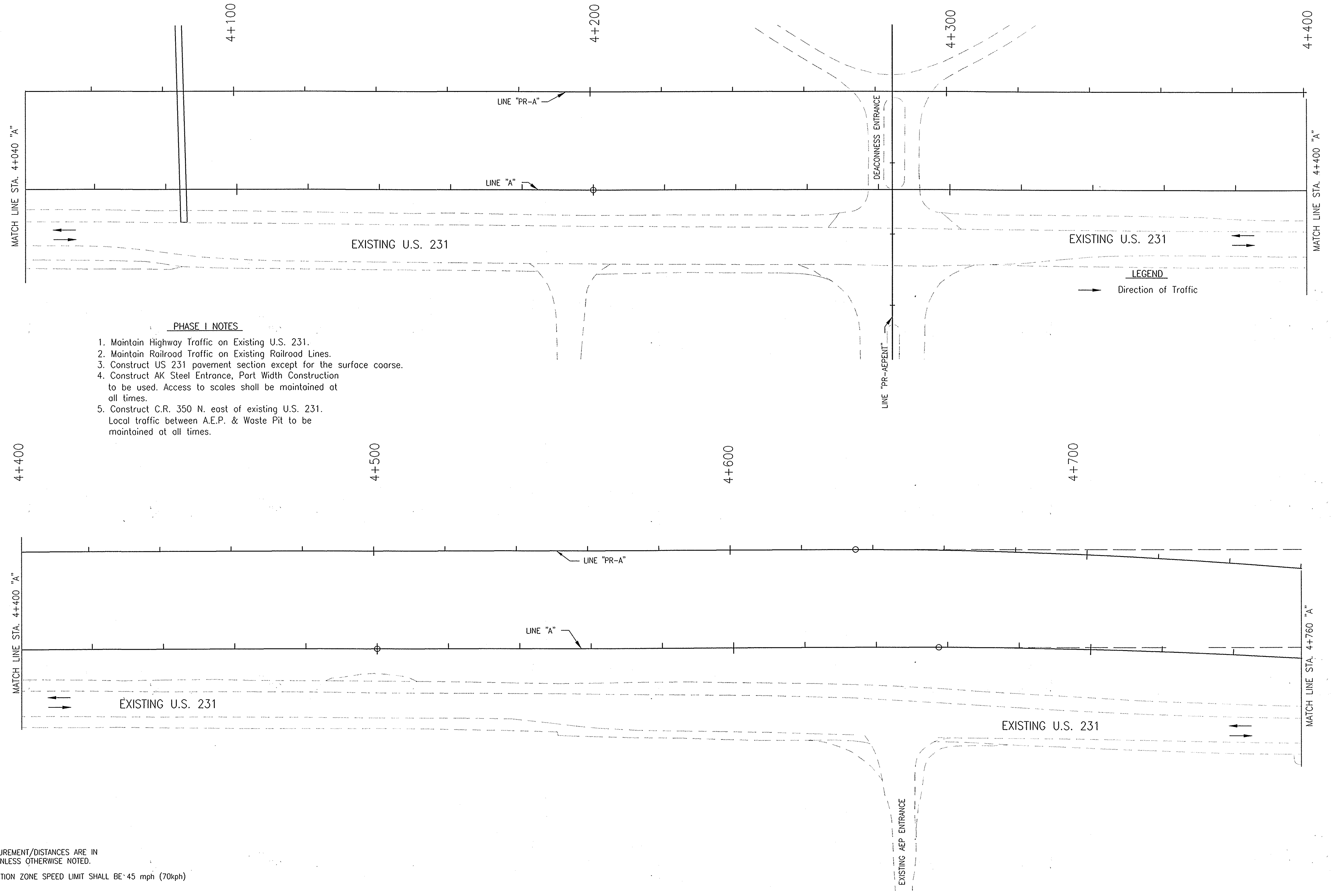


NOTE:  
 ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
 CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

AEP GENERATING CO. RR SPUR  
 TO REMAIN IN OPERATION DURING PHASES I & II

I:\98011\mot\mo\phase 1\mot.fa.jg.dwg 2/24/2003 10:56:58 AM WEST

								RECOMMENDED FOR APPROVAL <i>Alan J. DeLaney</i> 4/22/03 DESIGN ENGINEER DATE		INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE 1:500 BRIDGE FILE	
								DESIGNED: MAT DRAWN: JAG CHECKED: AJD CHECKED: MAT		MAINTENANCE OF TRAFFIC LINE "A" - U.S. 231 PHASE I		VERTICAL SCALE DESIGNATION 8461360	
										SURVEY BOOK 16722 CONTRACT R26185		SHEETS 11 of 196 PROJECT NH-075-3(014)	



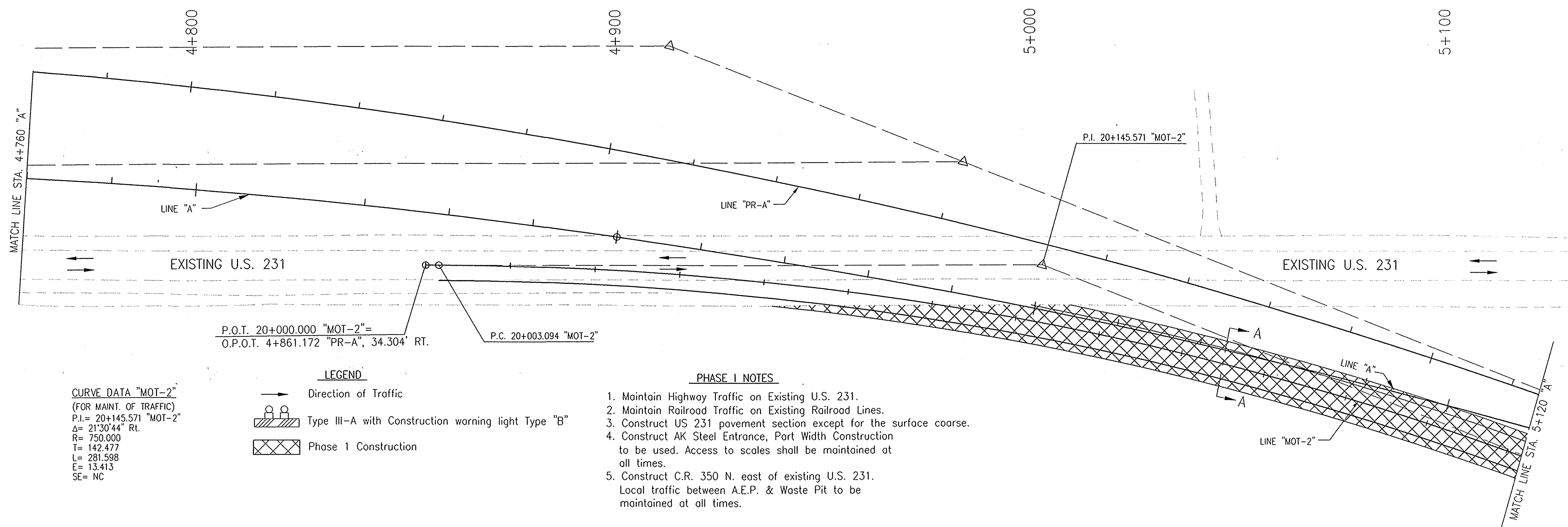
- PHASE I NOTES**
1. Maintain Highway Traffic on Existing U.S. 231.
  2. Maintain Railroad Traffic on Existing Railroad Lines.
  3. Construct US 231 pavement section except for the surface coarse.
  4. Construct AK Steel Entrance, Part Width Construction to be used. Access to scales shall be maintained at all times.
  5. Construct C.R. 350 N. east of existing U.S. 231. Local traffic between A.E.P. & Waste Pit to be maintained at all times.

NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

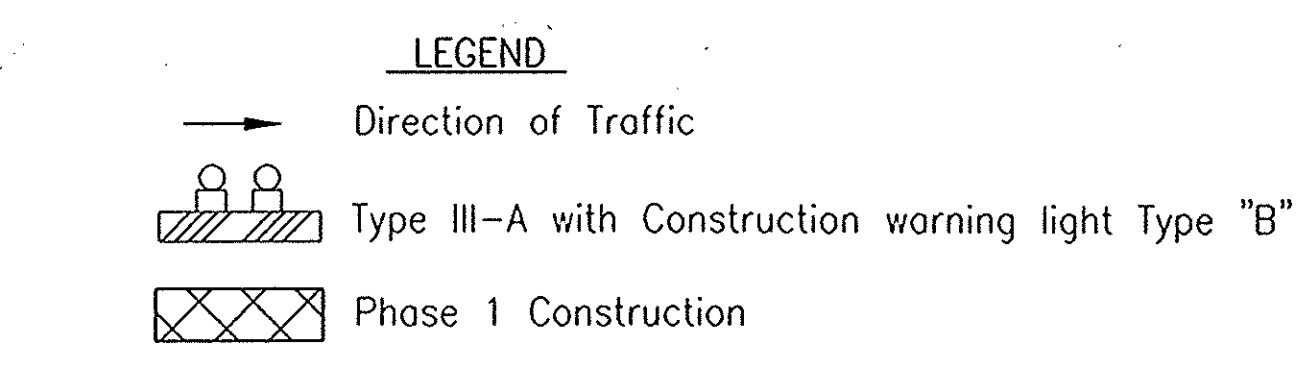
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								RECOMMENDED FOR APPROVAL <i>Alan J. Delaney</i> 4/22/03 DESIGN ENGINEER DATE		HORIZONTAL SCALE 1:500		BRIDGE FILE			
								DESIGNED: MAT DRAWN: JAG		INDIANA DEPARTMENT OF TRANSPORTATION		VERTICAL SCALE		DESIGNATION 8461360	
								CHECKED: AJD CHECKED: MAT		MAINTENANCE OF TRAFFIC LINE "A" - U.S. 231 PHASE I		SURVEY BOOK 16722		SHEETS 12 of 196	
										CONTRACT R26185		PROJECT NH-075-3(014)			

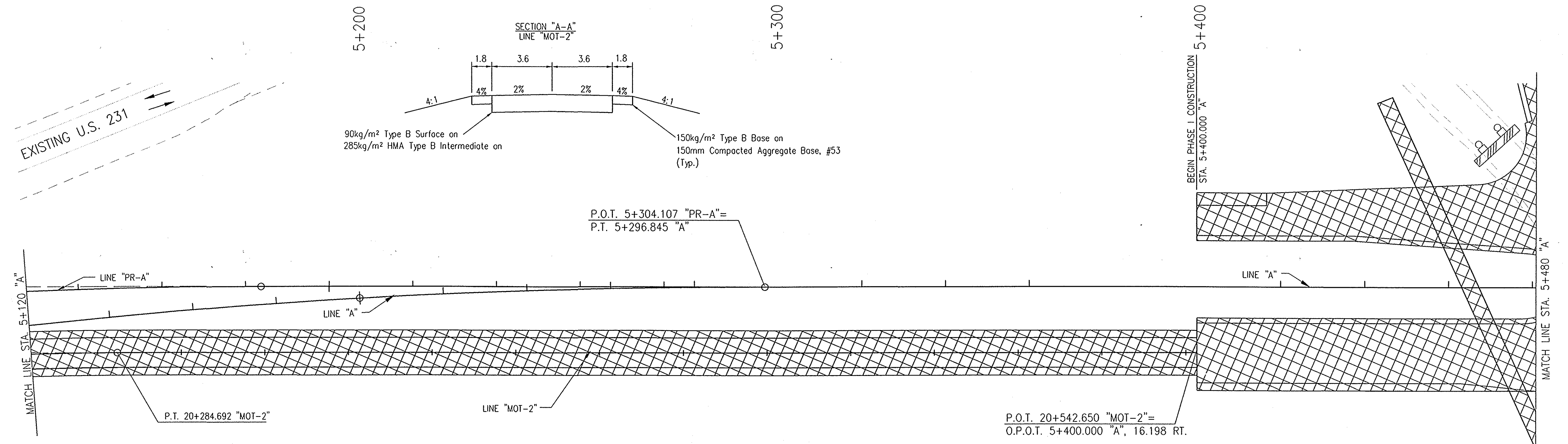




**CURVE DATA "MOT-2"**  
 (FOR MAINT. OF TRAFFIC)  
 P.I. = 20+145.571 "MOT-2"  
 $\Delta = 21^{\circ}30'44"$  RL  
 R = 750.000  
 T = 142.477  
 L = 281.598  
 E = 13.413  
 SE = NC



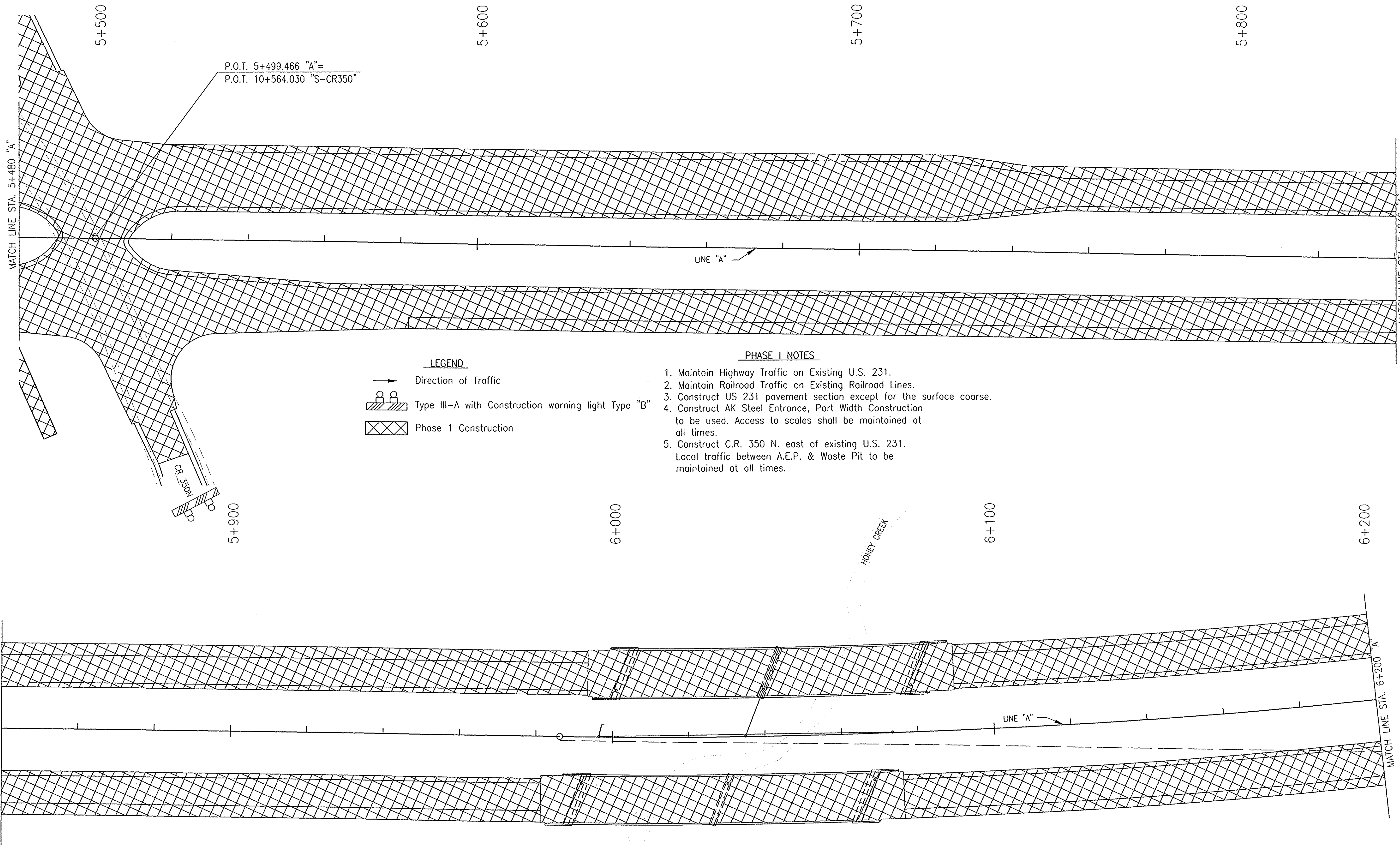
- PHASE I NOTES**
1. Maintain Highway Traffic on Existing U.S. 231.
  2. Maintain Railroad Traffic on Existing Railroad Lines.
  3. Construct US 231 pavement section except for the surface course.
  4. Construct AK Steel Entrance, Part Width Construction to be used. Access to scales shall be maintained at all times.
  5. Construct C.R. 350 N. east of existing U.S. 231. Local traffic between A.E.P. & Waste Pit to be maintained at all times.



NOTE:  
 ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
 CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

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								RECOMMENDED FOR APPROVAL: <i>Alan J. DeLaney</i> 4/22/03 DESIGN ENGINEER DATE		HORIZONTAL SCALE 1:500		BRIDGE FILE			
								DESIGNED: MAT      DRAWN: JAG CHECKED: AJD      CHECKED: MAT		INDIANA DEPARTMENT OF TRANSPORTATION		VERTICAL SCALE		DESIGNATION 8461360	
								MAINTENANCE OF TRAFFIC LINE "A" - U.S. 231 PHASE I		SURVEY BOOK 16722		SHEETS 13 of 196			
										CONTRACT R26185		PROJECT NH-075-3(014)			



P.O.T. 5+499.466 "A"  
P.O.T. 10+564.030 "S-CR350"

- LEGEND**
- Direction of Traffic
  - Type III-A with Construction warning light Type "B"
  - Phase 1 Construction

**PHASE I NOTES**

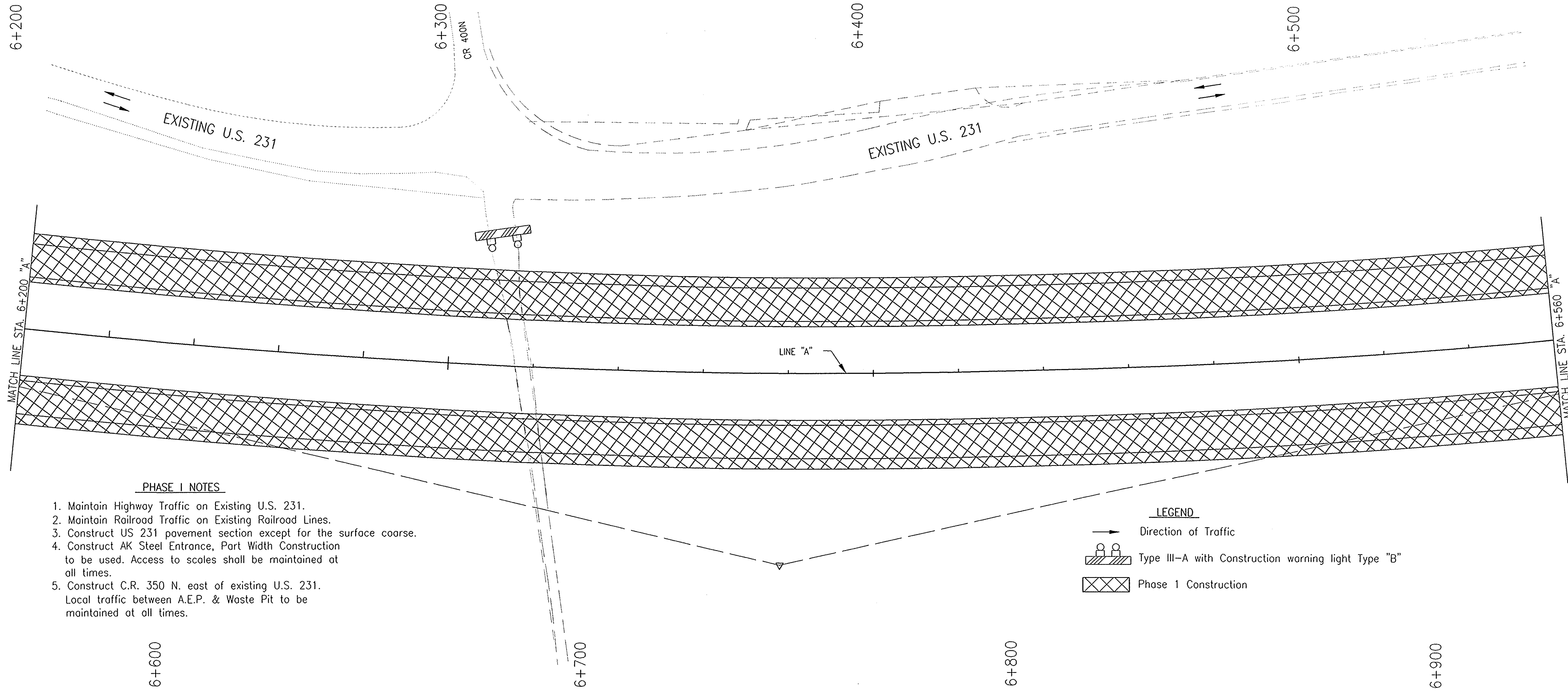
1. Maintain Highway Traffic on Existing U.S. 231.
2. Maintain Railroad Traffic on Existing Railroad Lines.
3. Construct US 231 pavement section except for the surface coarse.
4. Construct AK Steel Entrance, Part Width Construction to be used. Access to scales shall be maintained at all times.
5. Construct C.R. 350 N. east of existing U.S. 231. Local traffic between A.E.P. & Waste Pit to be maintained at all times.

NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

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					RECOMMENDED FOR APPROVAL <i>Alan J. Delaney</i> 4/22/03 DESIGN ENGINEER DATE	<b>INDIANA</b> DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1:500	BRIDGE FILE
					DESIGNED: MAT      DRAWN: JAG CHECKED: AJD      CHECKED: MAT	<b>MAINTENANCE OF TRAFFIC</b> <b>LINE "A" - U.S. 231 PHASE I</b>	VERTICAL SCALE	DESIGNATION 8461360
							SURVEY BOOK 16722	SHEETS 14 of 196
							CONTRACT R26185	PROJECT NH-075-3(014)





**PHASE I NOTES**

1. Maintain Highway Traffic on Existing U.S. 231.
2. Maintain Railroad Traffic on Existing Railroad Lines.
3. Construct US 231 pavement section except for the surface coarse.
4. Construct AK Steel Entrance, Part Width Construction to be used. Access to scales shall be maintained at all times.
5. Construct C.R. 350 N. east of existing U.S. 231. Local traffic between A.E.P. & Waste Pit to be maintained at all times.

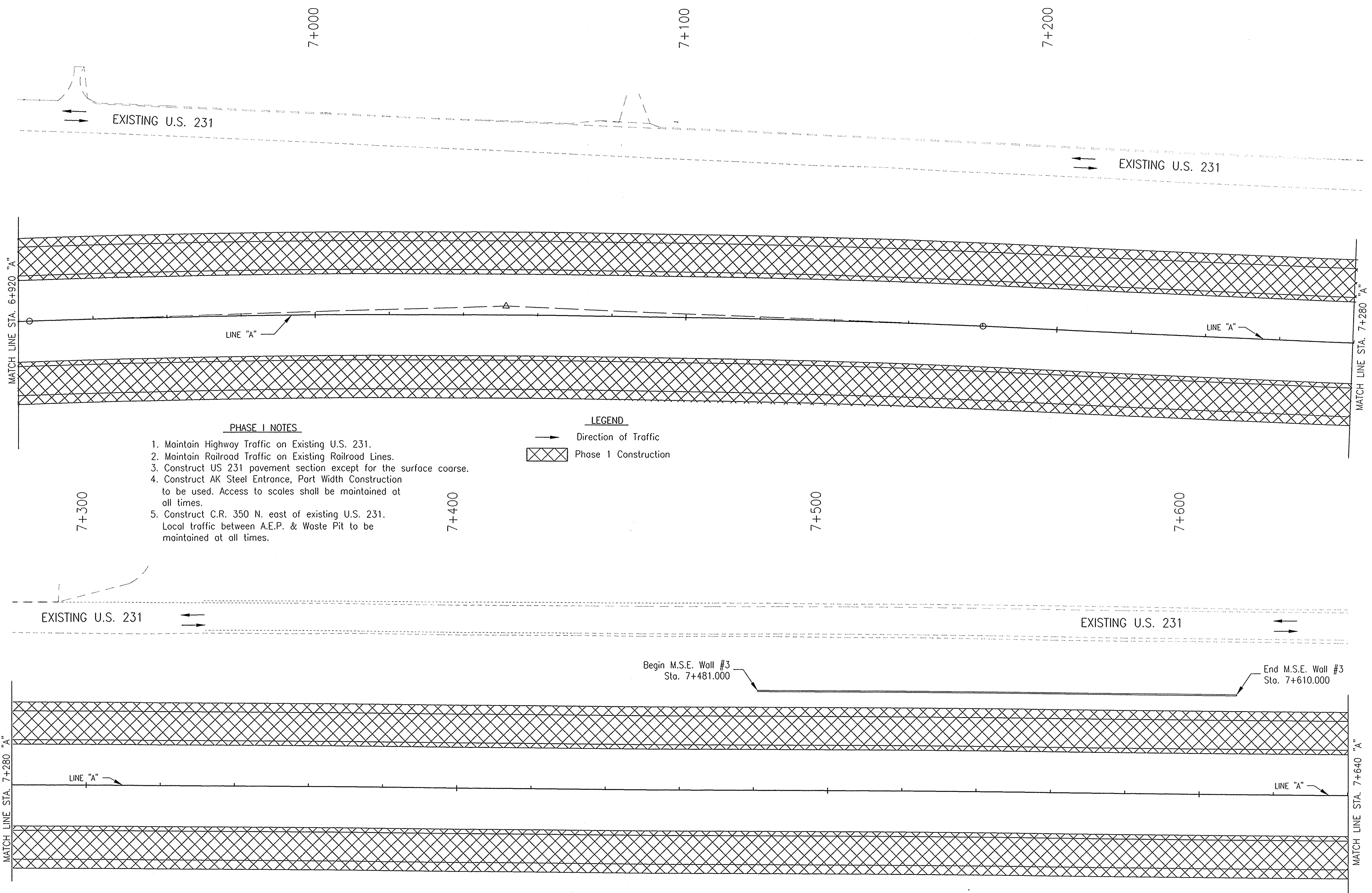
**LEGEND**

- Direction of Traffic
- Type III-A with Construction warning light Type "B"
- Phase 1 Construction

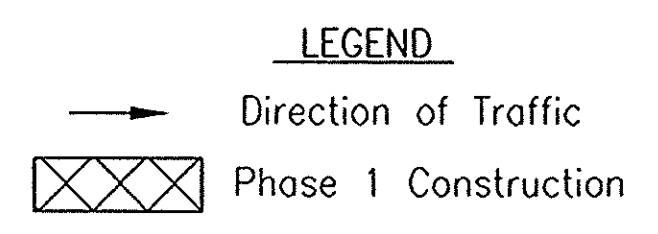
NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

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					RECOMMENDED FOR APPROVAL <i>Alan J. Delaney</i> 4/22/03 DESIGN ENGINEER DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>	HORIZONTAL SCALE 1:500	BRIDGE FILE
					DESIGNED: MAT      DRAWN: JAG CHECKED: AJD      CHECKED: MAT	<b>MAINTENANCE OF TRAFFIC LINE "A" - U.S. 231 PHASE I</b>	VERTICAL SCALE	DESIGNATION 8461360
							SURVEY BOOK 16722	SHEETS 15 of 196
							CONTRACT R26185	PROJECT NH-075-3(014)



- PHASE I NOTES**
1. Maintain Highway Traffic on Existing U.S. 231.
  2. Maintain Railroad Traffic on Existing Railroad Lines.
  3. Construct US 231 pavement section except for the surface course.
  4. Construct AK Steel Entrance, Part Width Construction to be used. Access to scales shall be maintained at all times.
  5. Construct C.R. 350 N. east of existing U.S. 231. Local traffic between A.E.P. & Waste Pit to be maintained at all times.

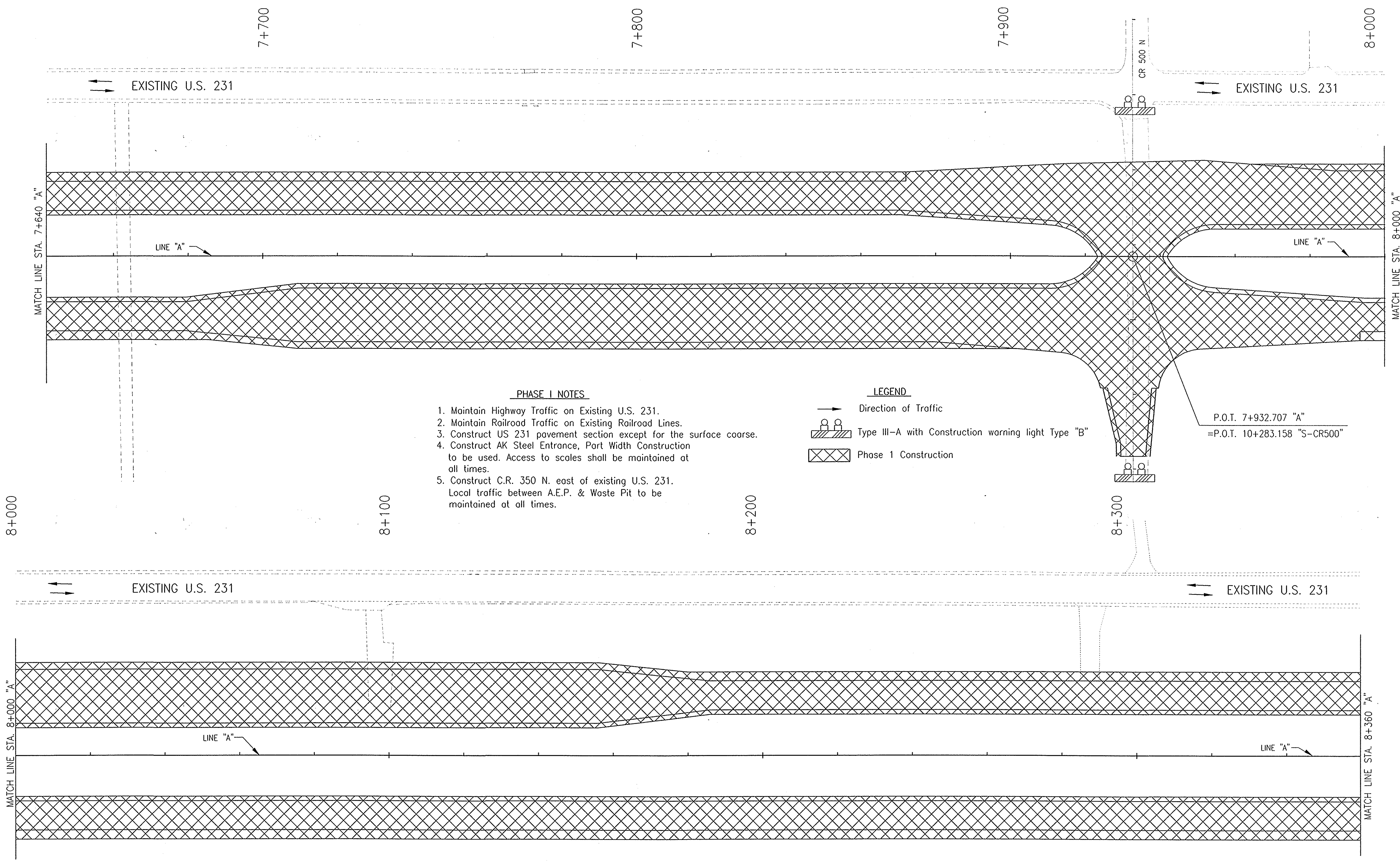


NOTE:  
 ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
 CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

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						RECOMMENDED FOR APPROVAL  DESIGN ENGINEER DATE: 4/22/03		INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE 1:500		BRIDGE FILE	
						DESIGNED: MAT DRAWN: JAG		<b>MAINTENANCE OF TRAFFIC          LINE "A" - U.S. 231 PHASE I</b>		VERTICAL SCALE		DESIGNATION 8461360	
						CHECKED: AJD CHECKED: MAT				SURVEY BOOK 16722		SHEETS 16 of 196	
										CONTRACT R26185		PROJECT NH-075-3(014)	





EXISTING U.S. 231

EXISTING U.S. 231

EXISTING U.S. 231

EXISTING U.S. 231

**PHASE I NOTES**

1. Maintain Highway Traffic on Existing U.S. 231.
2. Maintain Railroad Traffic on Existing Railroad Lines.
3. Construct US 231 pavement section except for the surface course.
4. Construct AK Steel Entrance, Part Width Construction to be used. Access to scales shall be maintained at all times.
5. Construct C.R. 350 N. east of existing U.S. 231. Local traffic between A.E.P. & Waste Pit to be maintained at all times.

**LEGEND**

- Direction of Traffic
- Type III-A with Construction warning light Type "B"
- Phase 1 Construction

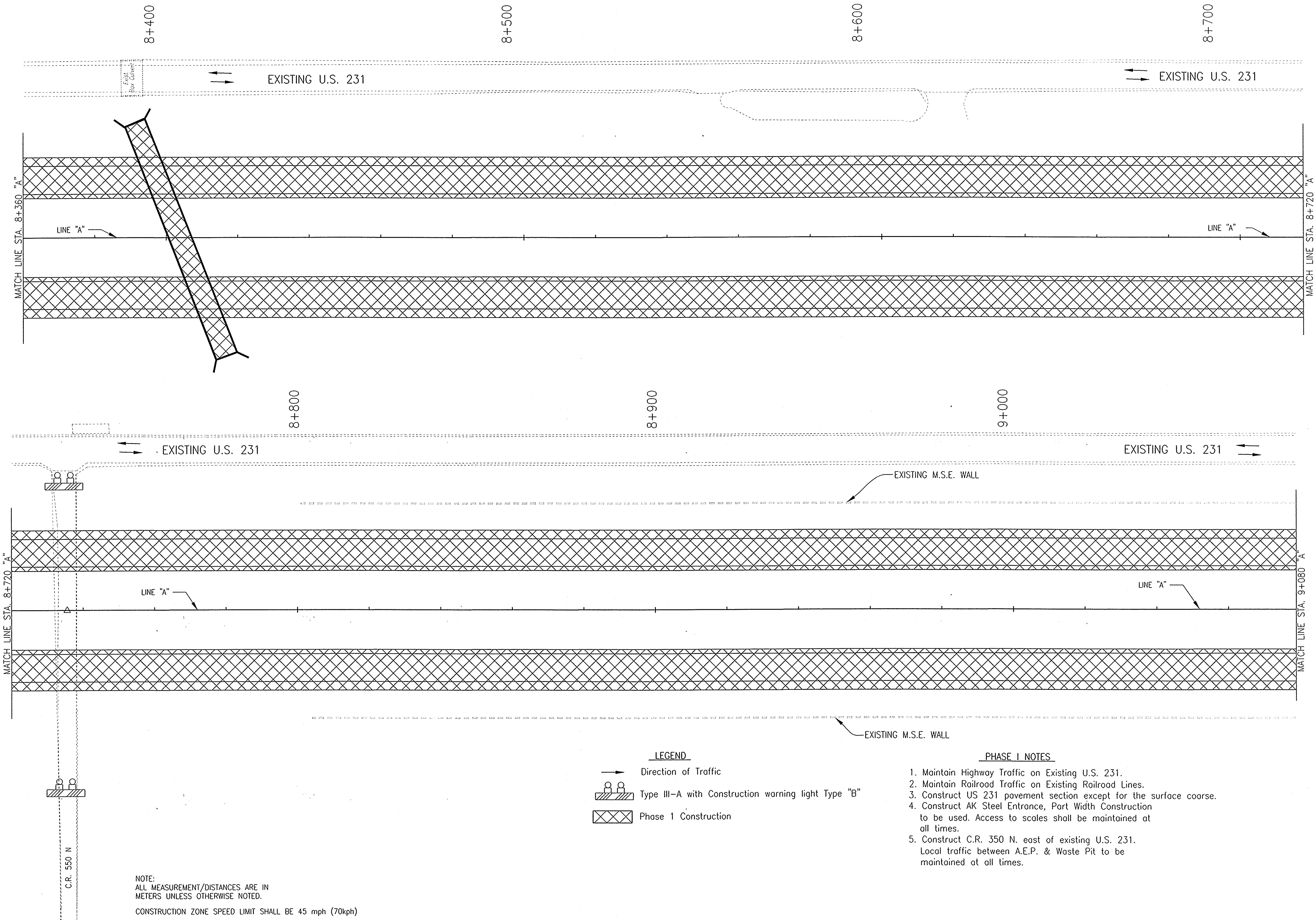
P.O.T. 7+932.707 "A"  
=P.O.T. 10+283.158 "S-CR500"

NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

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					RECOMMENDED FOR APPROVAL <i>Alan DeLaney</i> 4/22/03 DESIGN ENGINEER DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>	HORIZONTAL SCALE 1:500 VERTICAL SCALE BRIDGE FILE DESIGNATION 8461360
					DESIGNED: MAT      DRAWN: JAG CHECKED: AJD      CHECKED: MAT	<b>MAINTENANCE OF TRAFFIC LINE "A" - U.S. 231 PHASE I</b>	SURVEY BOOK 16722 CONTRACT R26185 SHEETS 17 of 196 PROJECT NH-075-3(014)

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NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

**LEGEND**

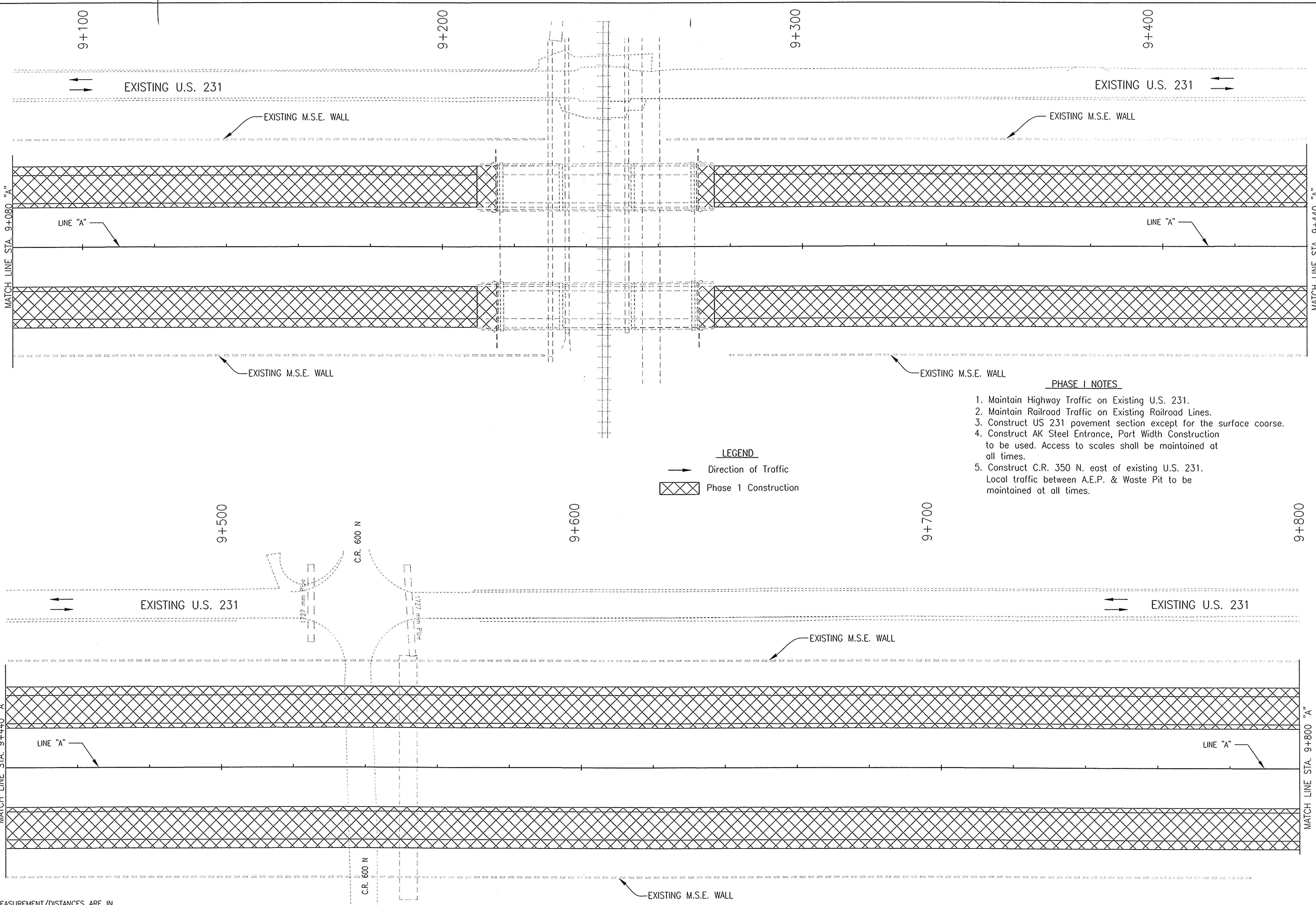
- Direction of Traffic
- Type III-A with Construction warning light Type "B"
- Phase 1 Construction

**PHASE I NOTES**

1. Maintain Highway Traffic on Existing U.S. 231.
2. Maintain Railroad Traffic on Existing Railroad Lines.
3. Construct US 231 pavement section except for the surface coarse.
4. Construct AK Steel Entrance, Part Width Construction to be used. Access to scales shall be maintained at all times.
5. Construct C.R. 350 N. east of existing U.S. 231. Local traffic between A.E.P. & Waste Pit to be maintained at all times.

					RECOMMENDED FOR APPROVAL <i>Alan J. DeLuca</i> 4/22/03 DESIGN ENGINEER DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>	HORIZONTAL SCALE 1:500 BRIDGE FILE
					DESIGNED: MAT DRAWN: JAG CHECKED: AJD CHECKED: MAT	<b>MAINTENANCE OF TRAFFIC LINE "A" - U.S. 231 PHASE I</b>	VERTICAL SCALE DESIGNATION 8461360
							SURVEY BOOK 16722 CONTRACT R26185
							SHEETS 18 of 196 PROJECT NH-075-3(014)





**PHASE I NOTES**

1. Maintain Highway Traffic on Existing U.S. 231.
2. Maintain Railroad Traffic on Existing Railroad Lines.
3. Construct US 231 pavement section except for the surface course.
4. Construct AK Steel Entrance, Part Width Construction to be used. Access to scales shall be maintained at all times.
5. Construct C.R. 350 N. east of existing U.S. 231. Local traffic between A.E.P. & Waste Pit to be maintained at all times.

**LEGEND**

- Direction of Traffic
- ▨ Phase 1 Construction

NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

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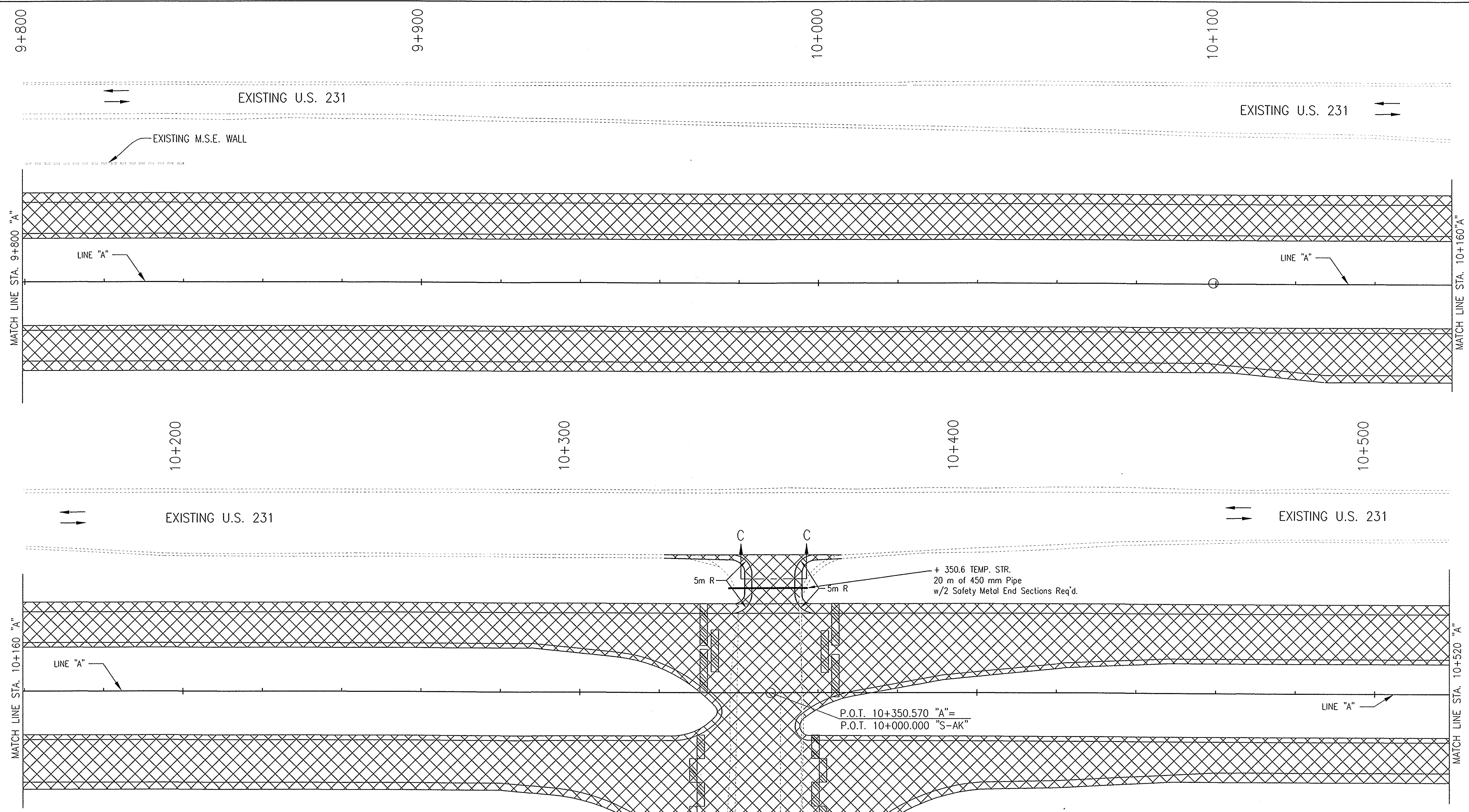
RECOMMENDED FOR APPROVAL	<i>John Launay</i>	4/22/03
DESIGNED:	MAT	DRAWN:
CHECKED:	AJD	CHECKED:
		MAT

**INDIANA DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC LINE "A" - U.S. 231 PHASE I**

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
	8461360
SURVEY BOOK	SHEETS
16722	19 of 196
CONTRACT	PROJECT
R26185	NH-075-3(014)

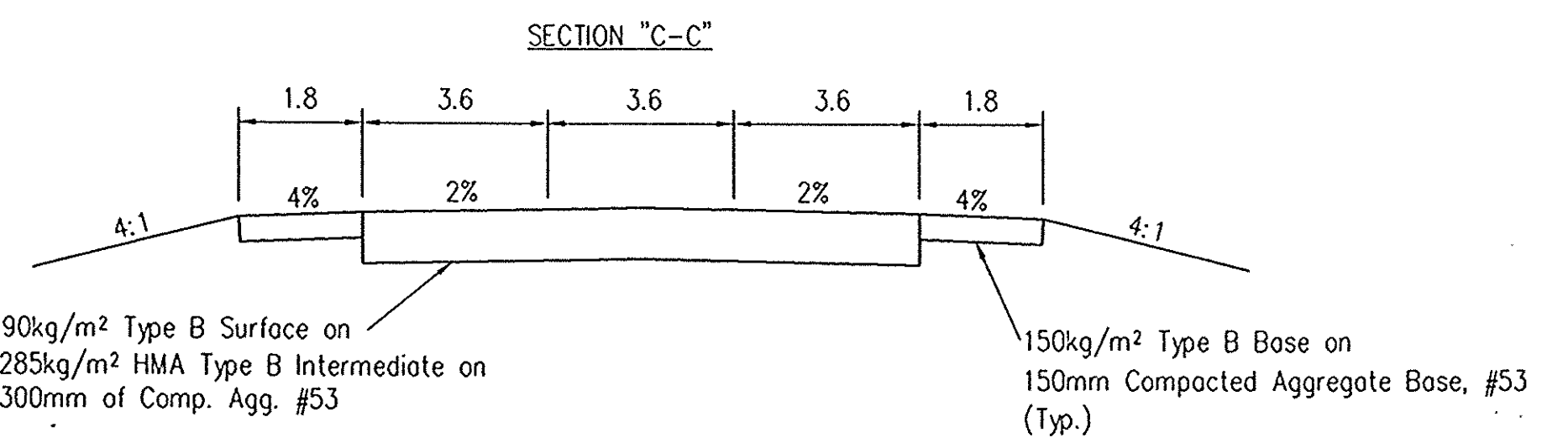




- PHASE I NOTES**
1. Maintain Highway Traffic on Existing U.S. 231.
  2. Maintain Railroad Traffic on Existing Railroad Lines.
  3. Construct US 231 pavement section except for the surface course.
  4. Construct AK Steel Entrance, Part Width Construction to be used. Access to scales shall be maintained at all times.
  5. Construct C.R. 350 N. east of existing U.S. 231. Local traffic between A.E.P. & Waste Pit to be maintained at all times.

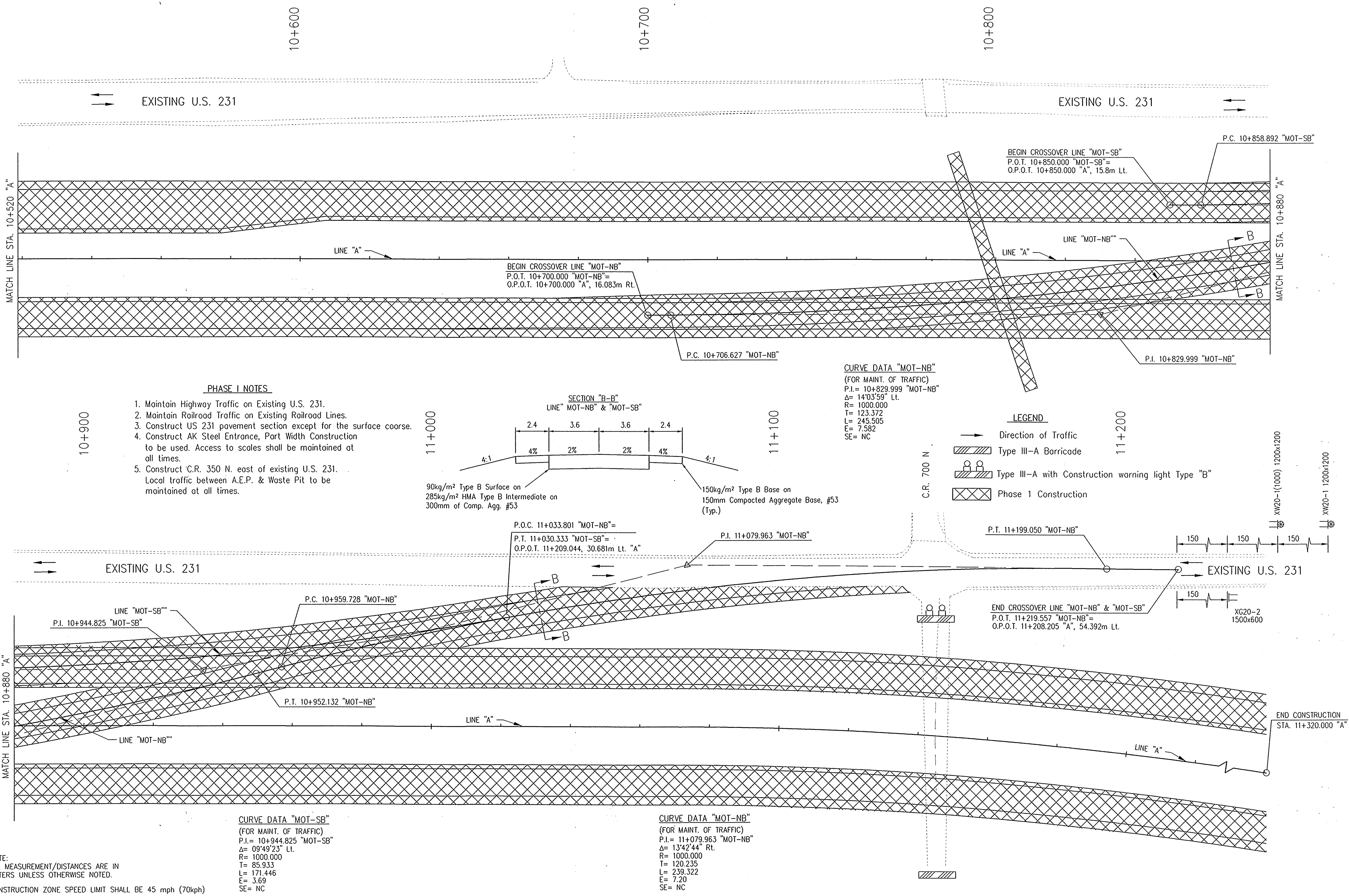
- LEGEND**
- Direction of Traffic
  - ▨ Type III-A Barricade
  - ▣ Phase 1 Construction

NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

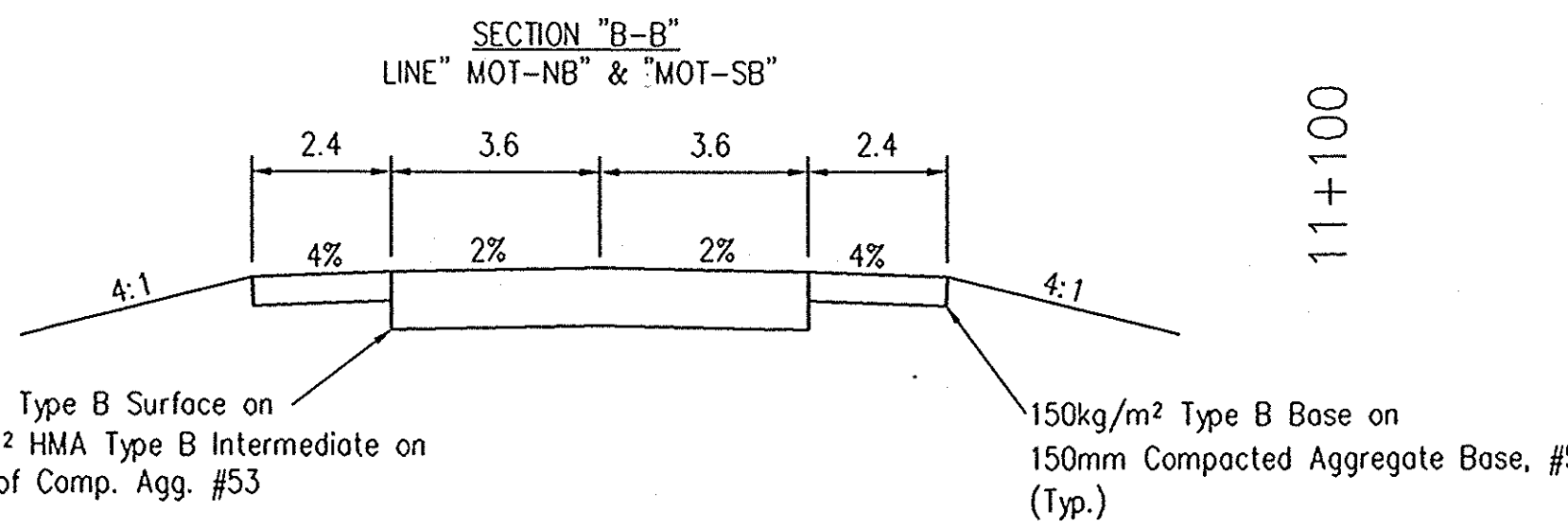


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						RECOMMENDED FOR APPROVAL <i>Alan J. DeLaney</i> 4/22/03 DESIGN ENGINEER DATE		HORIZONTAL SCALE 1:500 BRIDGE FILE	
				DESIGNED: MAT DRAWN: JAG		CHECKED: AJD CHECKED: MAT		VERTICAL SCALE DESIGNATION 8461360	
				INDIANA DEPARTMENT OF TRANSPORTATION		MAINTENANCE OF TRAFFIC LINE "A" - U.S. 231 PHASE I		SURVEY BOOK 16722 CONTRACT R26185	
				No. 20175 STATE OF INDIANA REGISTERED PROFESSIONAL ENGINEER				SHEETS 20 of 196 PROJECT NH-075-3(014)	



- PHASE I NOTES**
1. Maintain Highway Traffic on Existing U.S. 231.
  2. Maintain Railroad Traffic on Existing Railroad Lines.
  3. Construct US 231 pavement section except for the surface course.
  4. Construct AK Steel Entrance, Part Width Construction to be used. Access to scales shall be maintained at all times.
  5. Construct C.R. 350 N. east of existing U.S. 231. Local traffic between A.E.P. & Waste Pit to be maintained at all times.



**CURVE DATA "MOT-NB"**  
(FOR MAINT. OF TRAFFIC)  
P.I. = 10+829.999 "MOT-NB"  
Δ = 14°03'59" Lt.  
R = 1000.000  
T = 123.372  
L = 245.505  
E = 7.582  
SE = NC

- LEGEND**
- Direction of Traffic
  - ▨ Type III-A Barricade
  - ▨ Type III-A with Construction warning light Type "B"
  - ▨ Phase 1 Construction

**CURVE DATA "MOT-SB"**  
(FOR MAINT. OF TRAFFIC)  
P.I. = 10+944.825 "MOT-SB"  
Δ = 09°49'23" Lt.  
R = 1000.000  
T = 85.933  
L = 171.446  
E = 3.69  
SE = NC

**CURVE DATA "MOT-NB"**  
(FOR MAINT. OF TRAFFIC)  
P.I. = 11+079.963 "MOT-NB"  
Δ = 13°42'44" Rt.  
R = 1000.000  
T = 120.235  
L = 239.322  
E = 7.20  
SE = NC

**NOTE:**  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

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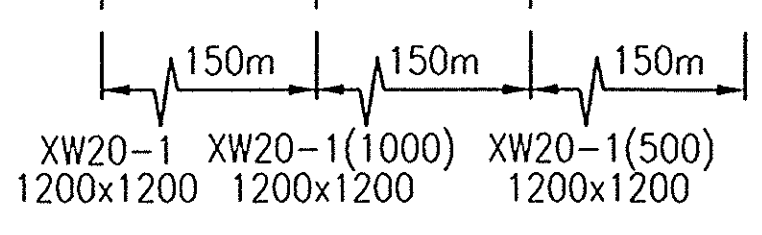
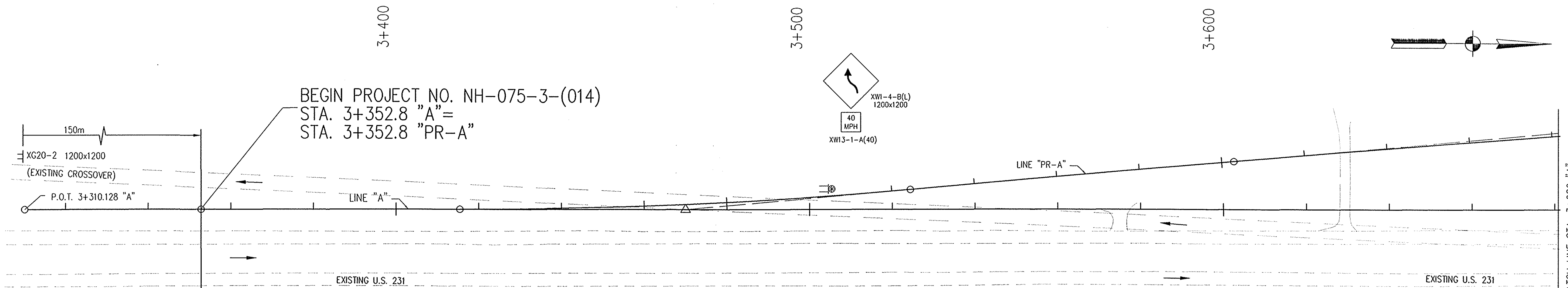
					RECOMMENDED FOR APPROVAL <i>Alan J. Delaney</i> 4/22/03 DESIGN ENGINEER DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>  <b>MAINTENANCE OF TRAFFIC LINE "A" - U.S. 231 PHASE I</b>	HORIZONTAL SCALE 1:500 VERTICAL SCALE SURVEY BOOK 16722 CONTRACT R26185	BRIDGE FILE DESIGNATION 8461360 SHEETS 21 of 196 PROJECT NH-075-3(014)
					DESIGNED: MAT      DRAWN: JAG CHECKED: AJD      CHECKED: MAT			





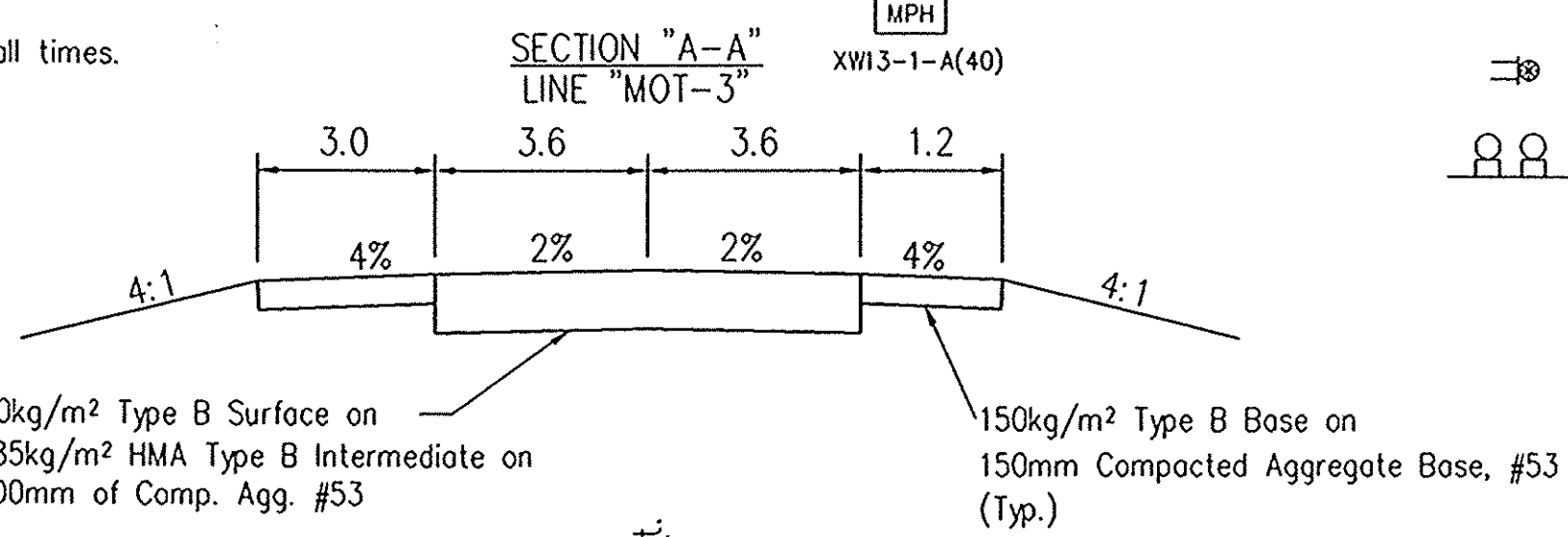


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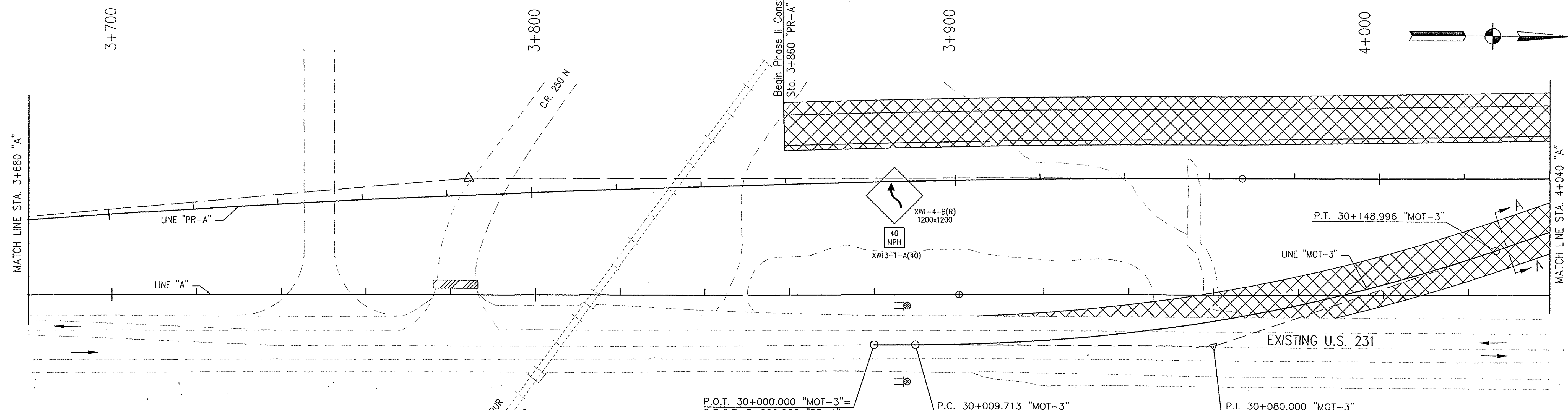


BEGIN PROJECT NO. NH-075-3-(014)  
 STA. 3+352.8 "A"=  
 STA. 3+352.8 "PR-A"

- PHASE II NOTES**
1. Maintain Highway Traffic on Proposed Northbound U.S. 231.
  2. Maintain Railroad Traffic on Existing Railroad Lines.
  3. Construct U.S. 231 S.B. pavement section except for the surface course beginning north of the existing R.R. crossing.
  4. Construct Deaconess Entrance Part Width, access shall be maintained at all times.
  5. Construct C.R. 350 N. from Existing 231 to west.
  6. Construct Existing 231 and C.R. 500 N.
  7. Construct C.R. 200 N. from Deaconess Entrance to existing R.R. Crossing.
  8. Construct Temporary Connection Between Existing 231 and Proposed U.S. 231 Near AEP Entrance.



- LEGEND**
- Direction of Traffic
  - ▨ Type III-A Barricade
  - ⊞ Typical Sign Standard with construction warning light Type "A"
  - ⊞ Construction warning light Type "B"
  - ⊞ Phase 2 Construction

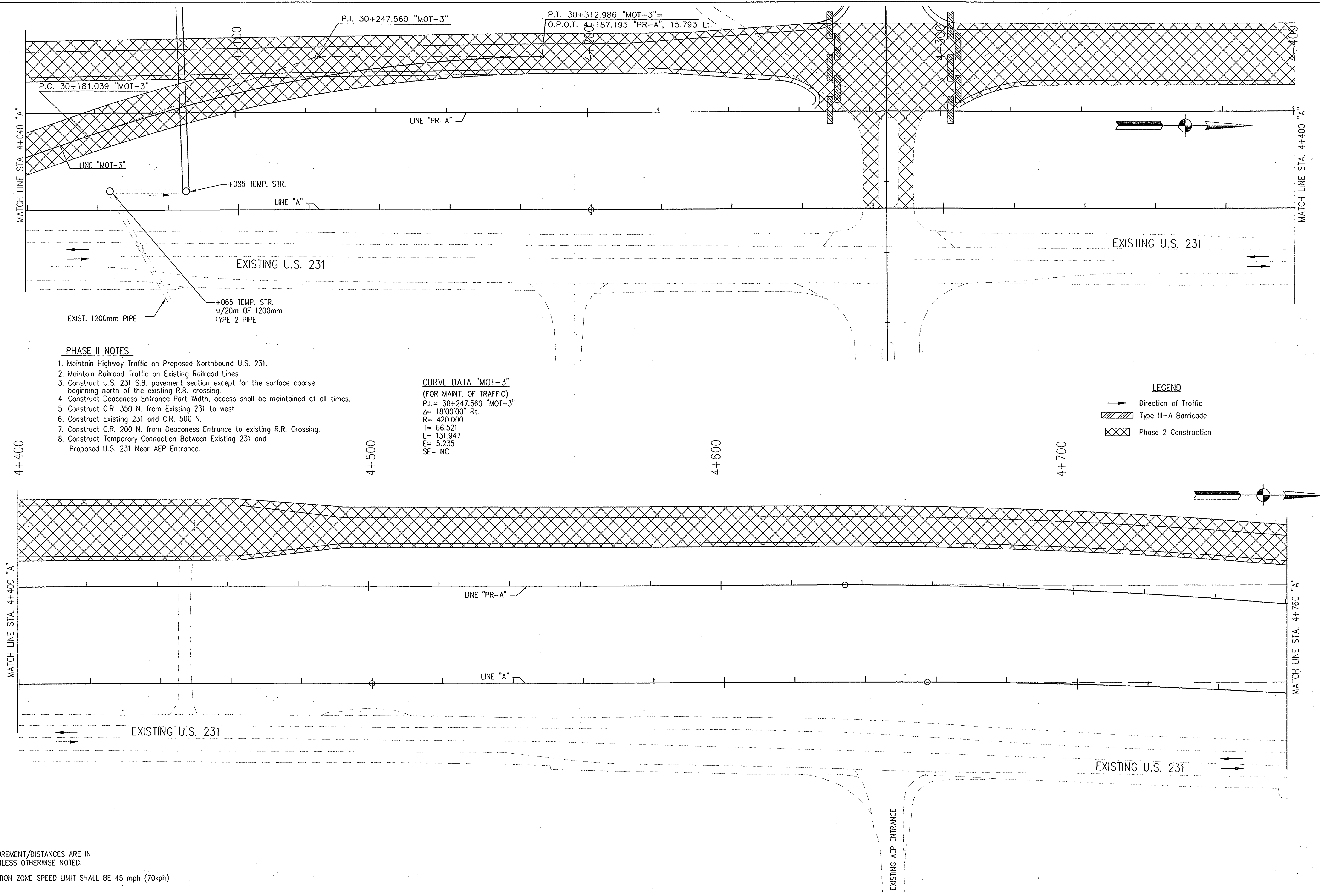


NOTE:  
 ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
 CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

**CURVE DATA "MOT-3"**  
(FOR MAINT. OF TRAFFIC)

P.I. = 30+080.000 "MOT-3"
Δ = 19°00'03" Lt.
R = 420.000
T = 70.287
L = 139.283
E = 5.841
SE = NC

					RECOMMENDED FOR APPROVAL <i>Alan J. Delaney</i> 4/22/03 DESIGN ENGINEER DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>  <b>MAINTENANCE OF TRAFFIC LINE "A" - U.S. 231 PHASE II</b>	HORIZONTAL SCALE 1:500 VERTICAL SCALE BRIDGE FILE DESIGNATION 8461360	SURVEY BOOK 16722 SHEETS 23 of 196 CONTRACT R26185 PROJECT NH-075-3(014)
DESIGNED: MAT	DRAWN: JAG	CHECKED: AJD	CHECKED: MAT					



**PHASE II NOTES**

1. Maintain Highway Traffic on Proposed Northbound U.S. 231.
2. Maintain Railroad Traffic on Existing Railroad Lines.
3. Construct U.S. 231 S.B. pavement section except for the surface coarse beginning north of the existing R.R. crossing.
4. Construct Deaconess Entrance Part Width, access shall be maintained at all times.
5. Construct C.R. 350 N. from Existing 231 to west.
6. Construct Existing 231 and C.R. 500 N.
7. Construct C.R. 200 N. from Deaconess Entrance to existing R.R. Crossing.
8. Construct Temporary Connection Between Existing 231 and Proposed U.S. 231 Near AEP Entrance.

**CURVE DATA "MOT-3"**

(FOR MAINT. OF TRAFFIC)  
 P.I. = 30+247.560 "MOT-3"  
 $\Delta = 18^{\circ}00'00"$  Rt.  
 R = 420.000  
 T = 66.521  
 L = 131.947  
 E = 5.235  
 SE = NC

**LEGEND**

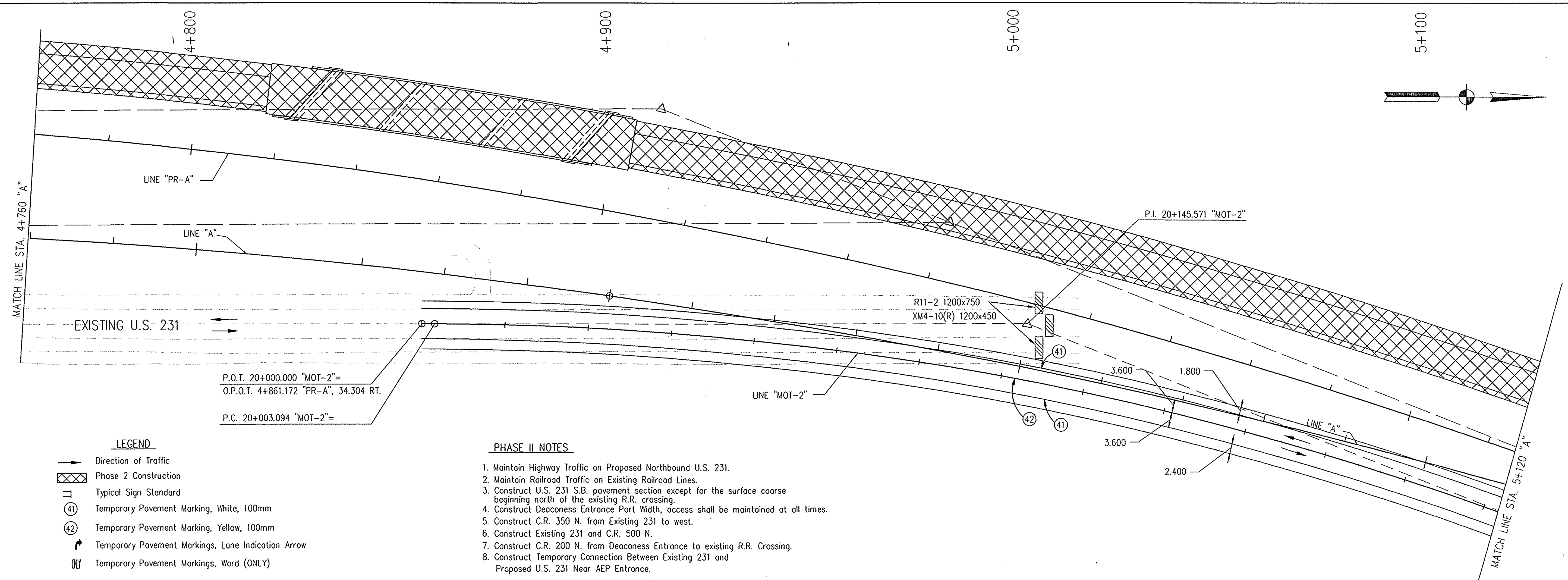
- Direction of Traffic
- ▨ Type III-A Barricade
- ▣ Phase 2 Construction

NOTE:  
 ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
 CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

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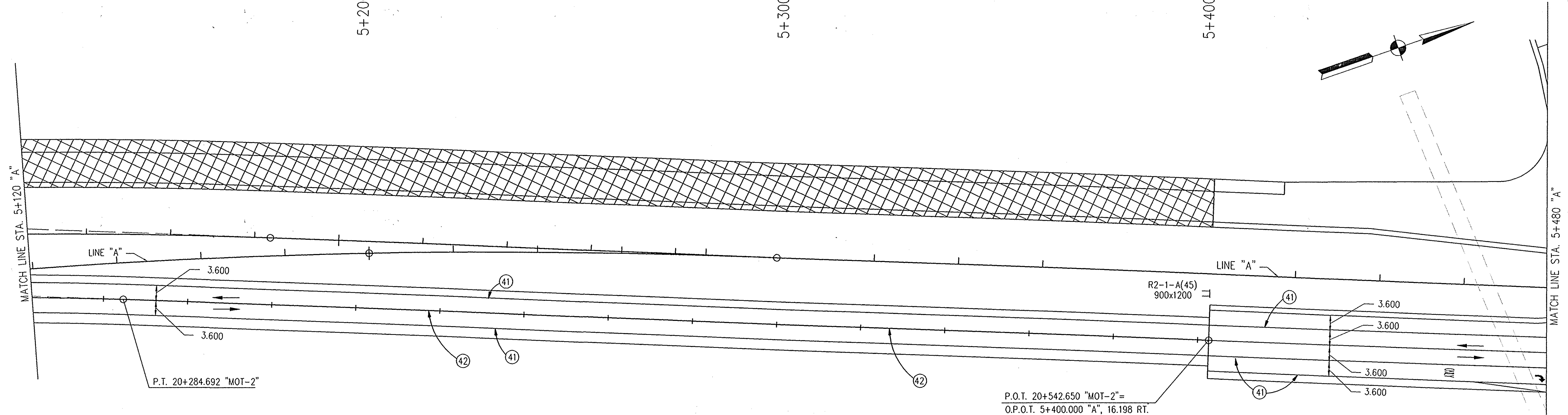
					RECOMMENDED FOR APPROVAL <i>Alan J. DeLaney</i> 4/22/03 DESIGN ENGINEER DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>  <b>MAINTENANCE OF TRAFFIC LINE "A" - U.S. 231 PHASE II</b>	HORIZONTAL SCALE 1:500 VERTICAL SCALE BRIDGE FILE DESIGNATION 8461360	SURVEY BOOK 16722 CONTRACT R26185	SHEETS 24 of 196 PROJECT NH-075-3(014)
DESIGNED: MAT	DRAWN: JAG	CHECKED: AJD	CHECKED: MAT						





- LEGEND**
- Direction of Traffic
  - ▨ Phase 2 Construction
  - ▨ Typical Sign Standard
  - (41) Temporary Pavement Marking, White, 100mm
  - (42) Temporary Pavement Marking, Yellow, 100mm
  - ↔ Temporary Pavement Markings, Lane Indication Arrow
  - (ONLY) Temporary Pavement Markings, Word (ONLY)

- PHASE II NOTES**
1. Maintain Highway Traffic on Proposed Northbound U.S. 231.
  2. Maintain Railroad Traffic on Existing Railroad Lines.
  3. Construct U.S. 231 S.B. pavement section except for the surface course beginning north of the existing R.R. crossing.
  4. Construct Deaconess Entrance Part Width, access shall be maintained at all times.
  5. Construct C.R. 350 N. from Existing 231 to west.
  6. Construct Existing 231 and C.R. 500 N.
  7. Construct C.R. 200 N. from Deaconess Entrance to existing R.R. Crossing.
  8. Construct Temporary Connection Between Existing 231 and Proposed U.S. 231 Near AEP Entrance.



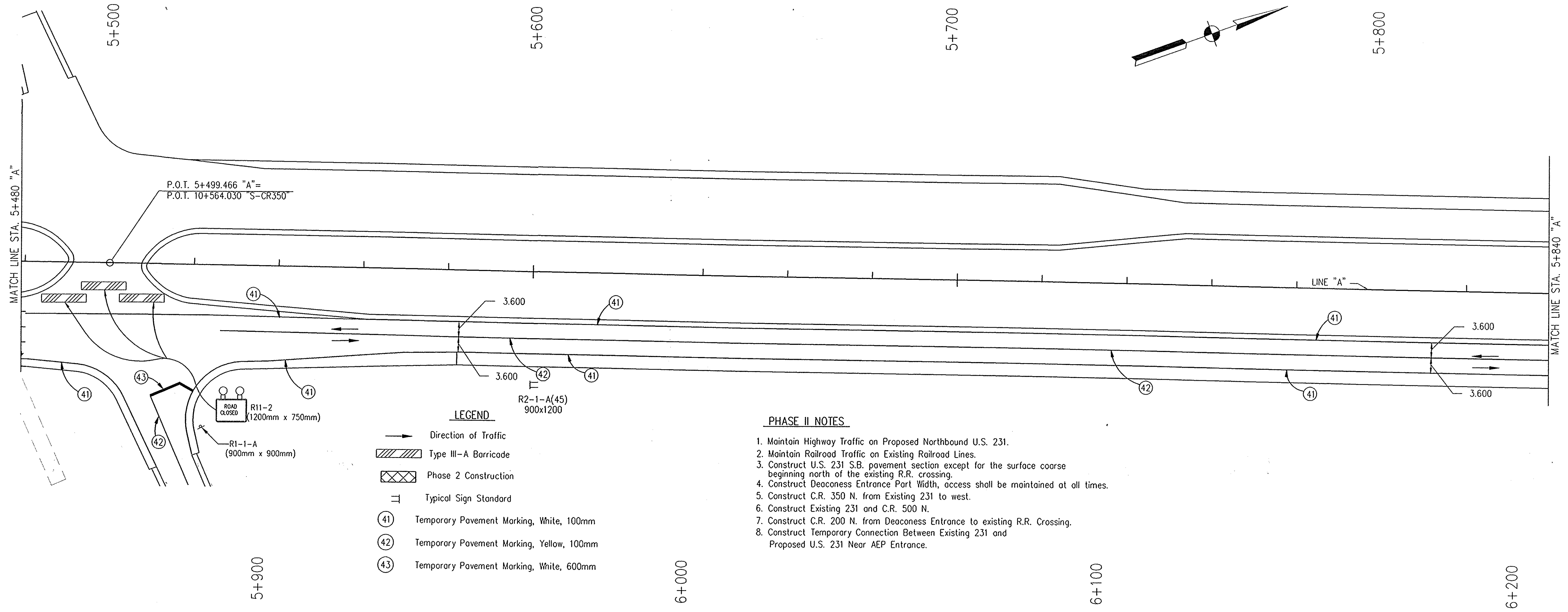
NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

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					RECOMMENDED FOR APPROVAL <i>Alan J. DeLaney</i> 4/22/03 SIGN ENGINEER DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>	HORIZONTAL SCALE 1:500 VERTICAL SCALE 	BRIDGE FILE 8461360
					DESIGNED: MAT      DRAWN: JAG CHECKED: AJD      CHECKED: MAT	<b>MAINTENANCE OF TRAFFIC LINE "A" - U.S. 231 PHASE II</b>	SURVEY BOOK 16722 CONTRACT R26185	SHEETS 25 of 196 PROJECT NH-075-3(014)



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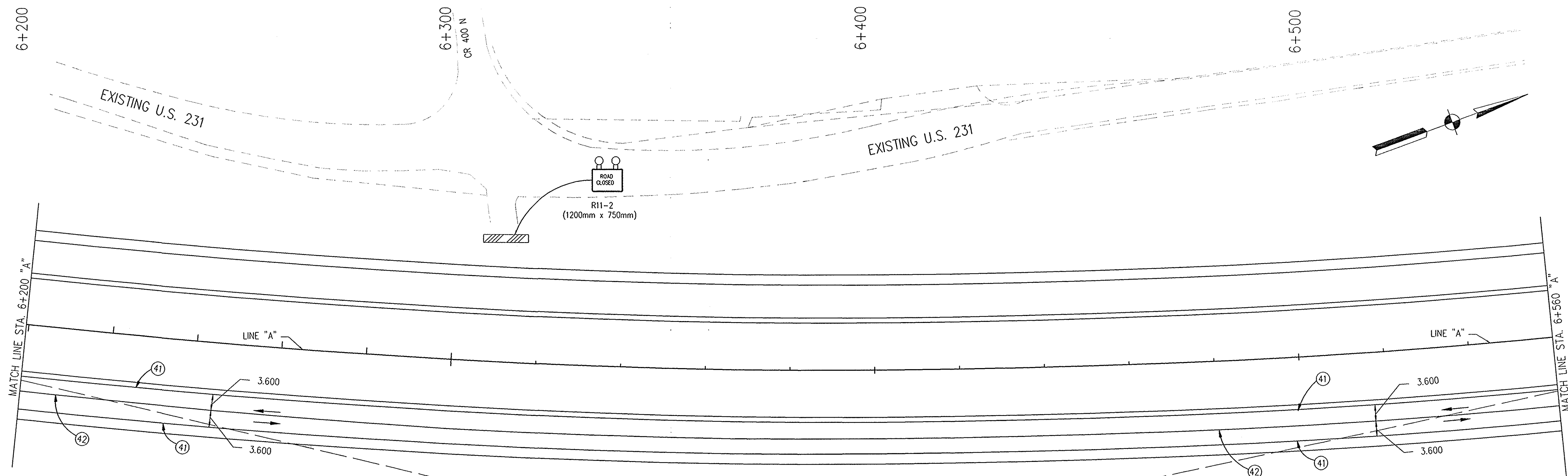
										HORIZONTAL SCALE 1:500 VERTICAL SCALE BRIDGE FILE	
										DESIGNATION 8461360 SHEETS 16722 of 196	
										PROJECT R26185 NH-075-3(014)	

RECOMMENDED FOR APPROVAL: *Alan J. DeLanna* 4/22/03  
 DESIGN ENGINEER DATE

DESIGNED: MAT DRAWN: JAG  
 CHECKED: AJD CHECKED: MAT

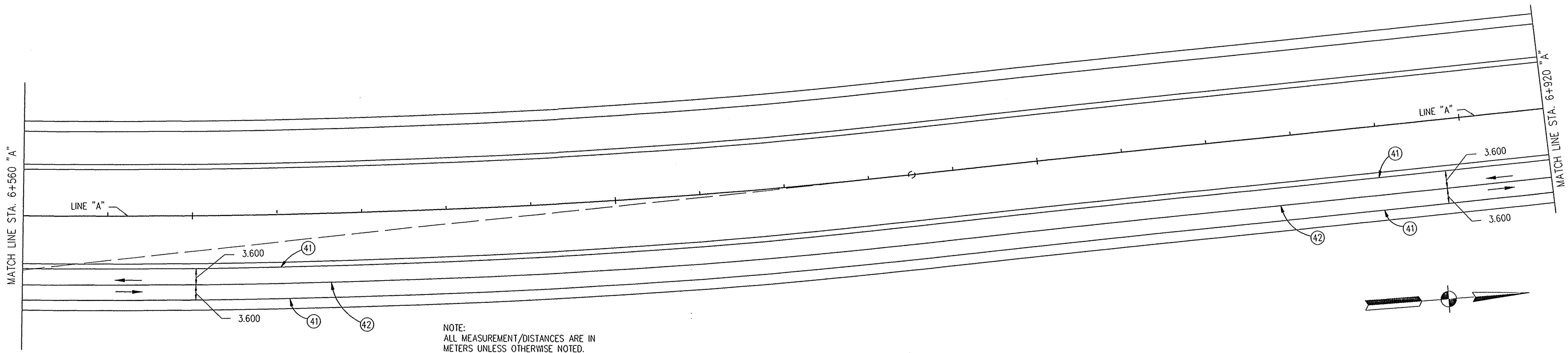
REGISTERED No. 20175 STATE OF INDIANA PROFESSIONAL ENGINEER

INDIANA DEPARTMENT OF TRANSPORTATION  
 MAINTENANCE OF TRAFFIC LINE "A" - U.S. 231 PHASE II



- LEGEND**
- Direction of Traffic
  - ▨ Type III-A Barricade
  - ▣ Phase 2 Construction
  - ④① Temporary Pavement Marking, White, 100mm
  - ④② Temporary Pavement Marking, Yellow, 100mm

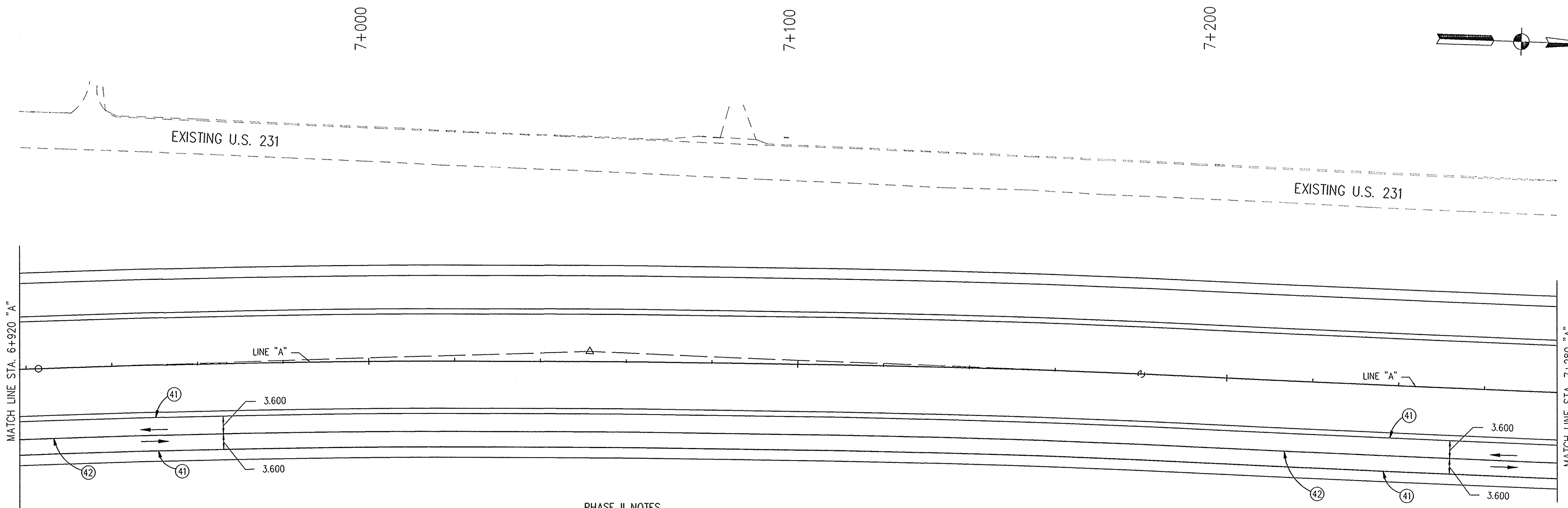
- PHASE II NOTES**
1. Maintain Highway Traffic on Proposed Northbound U.S. 231.
  2. Maintain Railroad Traffic on Existing Railroad Lines.
  3. Construct U.S. 231 S.B. pavement section except for the surface course beginning north of the existing R.R. crossing.
  4. Construct Deaconess Entrance Part Width, access shall be maintained at all times.
  5. Construct C.R. 350 N. from Existing 231 to west.
  6. Construct Existing 231 and C.R. 500 N.
  7. Construct C.R. 200 N. from Deaconess Entrance to existing R.R. Crossing.
  8. Construct Temporary Connection Between Existing 231 and Proposed U.S. 231 Near AEP Entrance.



NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

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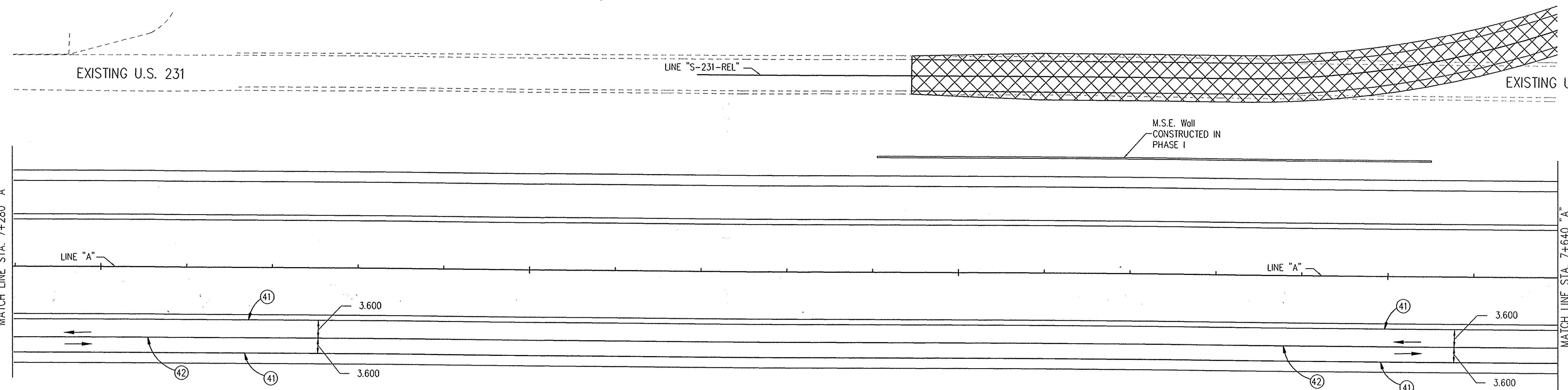
					RECOMMENDED FOR APPROVAL <i>Alan J. DeLaney</i> 4/22/03 DESIGN ENGINEER DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>	HORIZONTAL SCALE 1:500 VERTICAL SCALE 	BRIDGE FILE DESIGNATION 8461360
					DESIGNED: MAT      DRAWN: JAG CHECKED: AJD      CHECKED: MAT	<b>MAINTENANCE OF TRAFFIC LINE "A" - U.S. 231 PHASE II</b>	SURVEY BOOK 16722 CONTRACT R26185	SHEETS 27 of 196 PROJECT NH-075-3(014)



- LEGEND**
- Direction of Traffic
  - ▨ Type III-A Barricade
  - ▩ Phase 2 Construction
  - ⓪(41) Temporary Pavement Marking, White, 100mm
  - ⓪(42) Temporary Pavement Marking, Yellow, 100mm

**PHASE II NOTES**

1. Maintain Highway Traffic on Proposed Northbound U.S. 231.
2. Maintain Railroad Traffic on Existing Railroad Lines.
3. Construct U.S. 231 S.B. pavement section, except for the surface course beginning north of the existing R.R. crossing.
4. Construct Deaconess Entrance Part Width, access shall be maintained at all times.
5. Construct C.R. 350 N. from Existing 231 to west.
6. Construct Existing 231 and C.R. 500 N.
7. Construct C.R. 200 N. from Deaconess Entrance to existing R.R. Crossing.
8. Construct Temporary Connection Between Existing 231 and Proposed U.S. 231 Near AEP Entrance.

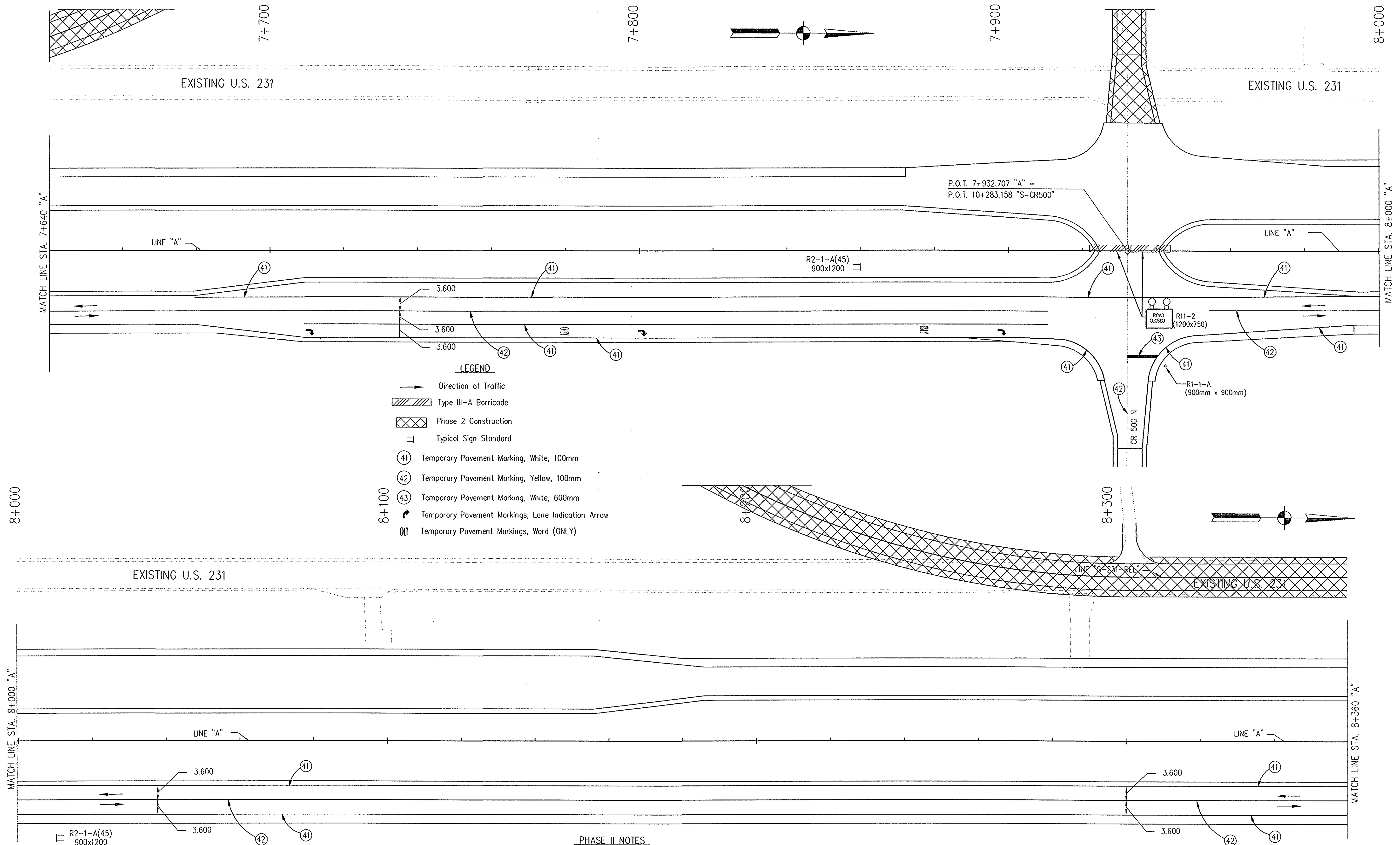


NOTE:  
 ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
 CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

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					RECOMMENDED FOR APPROVAL <i>Alan J. DeLaney</i> 4/22/03 DESIGN ENGINEER DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>	HORIZONTAL SCALE 1:500 VERTICAL SCALE BRIDGE FILE	DESIGNATION 8461360
					DESIGNED: MAT      DRAWN: JAG CHECKED: AJD      CHECKED: MAT	<b>MAINTENANCE OF TRAFFIC          LINE "A" - U.S. 231 PHASE II</b>	SURVEY BOOK 16722 CONTRACT R26185	SHEETS 28 of 196 PROJECT NH-075-3(014)





- LEGEND**
- Direction of Traffic
  - ▨ Type III-A Barricode
  - ▩ Phase 2 Construction
  - Typical Sign Standard
  - ④1 Temporary Pavement Marking, White, 100mm
  - ④2 Temporary Pavement Marking, Yellow, 100mm
  - ④3 Temporary Pavement Marking, White, 600mm
  - ↔ Temporary Pavement Markings, Lane Indication Arrow
  - Ⓜ Temporary Pavement Markings, Word (ONLY)

**PHASE II NOTES**

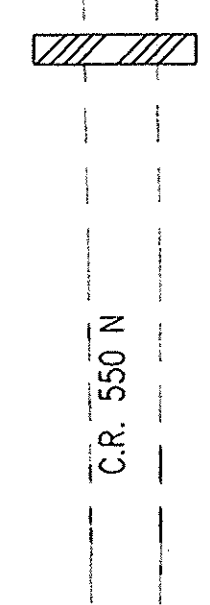
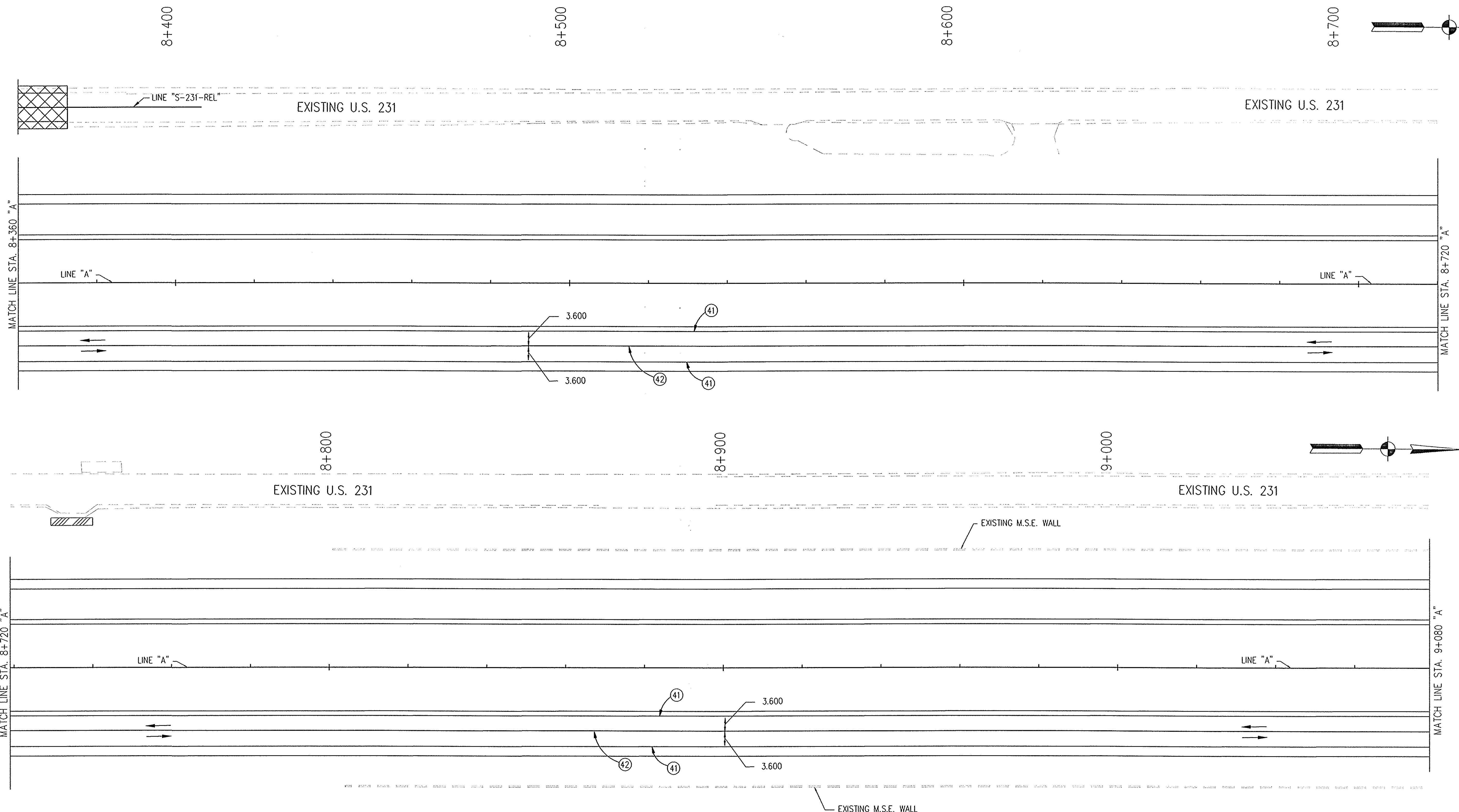
1. Maintain Highway Traffic on Proposed Northbound U.S. 231.
2. Maintain Railroad Traffic on Existing Railroad Lines.
3. Construct U.S. 231 S.B. pavement section except for the surface course beginning north of the existing R.R. crossing.
4. Construct Deaconess Entrance Port Width, access shall be maintained at all times.
5. Construct C.R. 350 N. from Existing 231 to west.
6. Construct Existing 231 and C.R. 500 N.
7. Construct C.R. 200 N. from Deaconess Entrance to existing R.R. Crossing.
8. Construct Temporary Connection Between Existing 231 and Proposed U.S. 231 Near AEP Entrance.

NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

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					RECOMMENDED FOR APPROVAL <i>Alan J. DeLaune</i> 4/22/03 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1:500	BRIDGE FILE
					DESIGNED: MAT      DRAWN: JAG CHECKED: AJD      CHECKED: MAT	MAINTENANCE OF TRAFFIC LINE "A" - U.S. 231 PHASE II	VERTICAL SCALE .	DESIGNATION 8461360
							SURVEY BOOK 16722	SHEETS 29 of 196
							CONTRACT R26185	PROJECT NH-075-3(014)

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NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

**LEGEND**

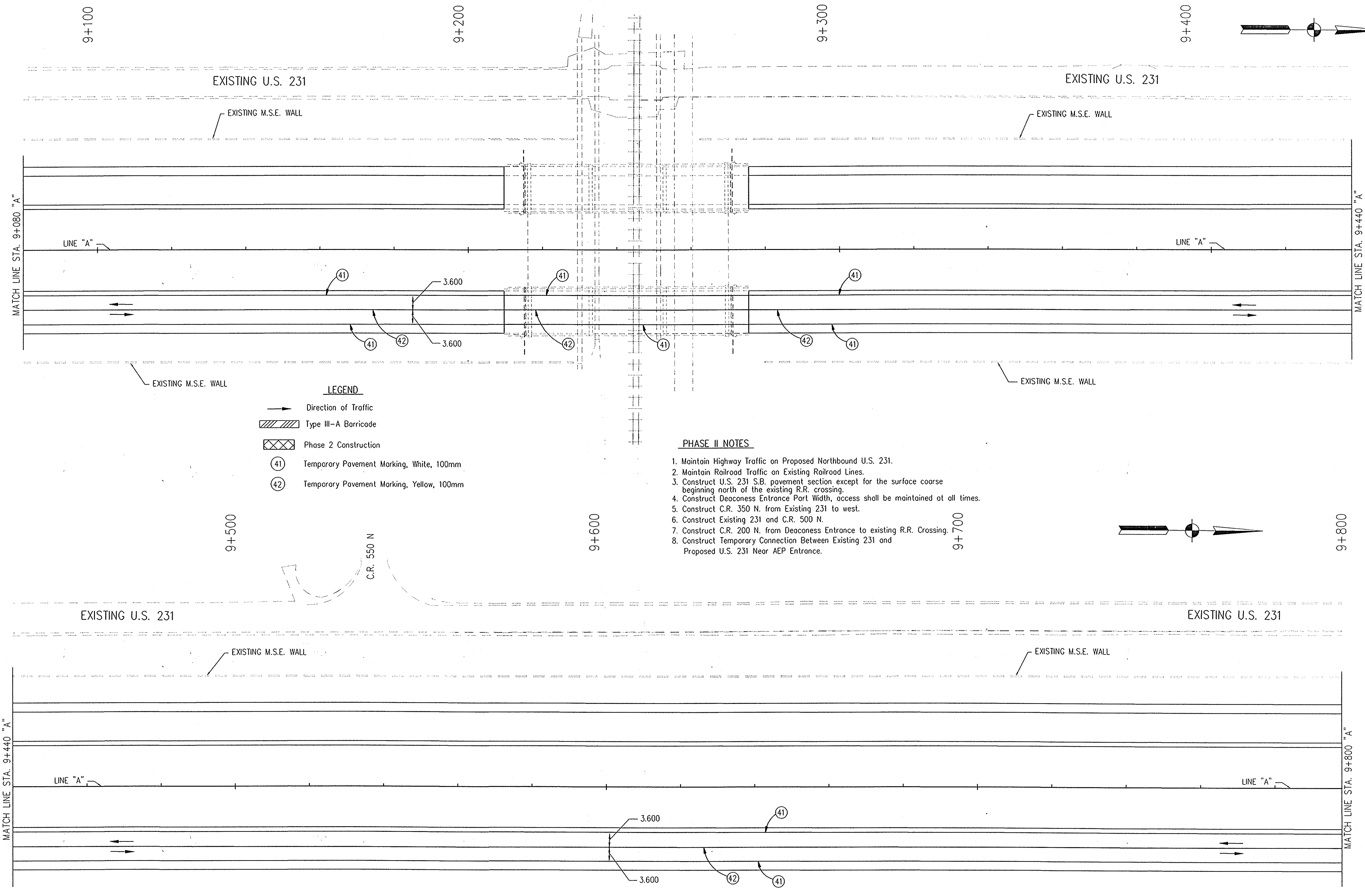
- Direction of Traffic
- ▨ Type III-A Barricade
- ▣ Phase 2 Construction
- (41) Temporary Pavement Marking, White, 100mm
- (42) Temporary Pavement Marking, Yellow, 100mm

**PHASE II NOTES**

1. Maintain Highway Traffic on Proposed Northbound U.S. 231.
2. Maintain Railroad Traffic on Existing Railroad Lines.
3. Construct U.S. 231 S.B. pavement section except for the surface course beginning north of the existing R.R. crossing.
4. Construct Deaconess Entrance Part Width, access shall be maintained at all times.
5. Construct C.R. 350 N. from Existing 231 to west.
6. Construct Existing 231 and C.R. 500 N.
7. Construct C.R. 200 N. from Deaconess Entrance to existing R.R. Crossing.
8. Construct Temporary Connection Between Existing 231 and Proposed U.S. 231 Near AEP Entrance.

					RECOMMENDED FOR APPROVAL <i>Alan J. DeLaunay</i> 4/22/03 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1:500	BRIDGE FILE 8461360
					DESIGNED: MAT      DRAWN: JAG CHECKED: AJD      CHECKED: MAT	<b>MAINTENANCE OF TRAFFIC                  LINE "A" - U.S. 231 PHASE II</b>	VERTICAL SCALE 1:500	DESIGNATION 8461360
							SURVEY BOOK 16722	SHEETS 30 of 196
							CONTRACT R26185	PROJECT NH-075-3(014)



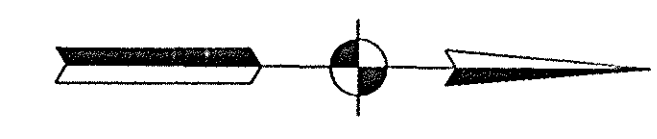
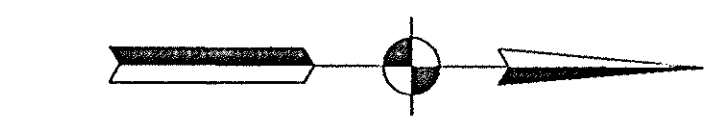


- LEGEND**
- Direction of Traffic
  - ▨ Type III-A Barricade
  - ▤ Phase 2 Construction
  - ④ Temporary Pavement Marking, White, 100mm
  - ② Temporary Pavement Marking, Yellow, 100mm

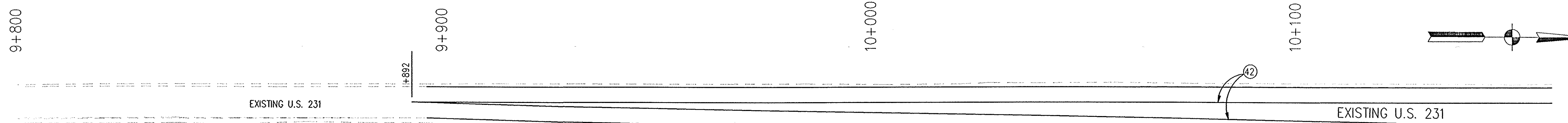
- PHASE II NOTES**
1. Maintain Highway Traffic on Proposed Northbound U.S. 231.
  2. Maintain Railroad Traffic on Existing Railroad Lines.
  3. Construct U.S. 231 S.B. pavement section except for the surface course beginning north of the existing R.R. crossing.
  4. Construct Deaconess Entrance Part Width, access shall be maintained at all times.
  5. Construct C.R. 350 N. from Existing 231 to west.
  6. Construct Existing 231 and C.R. 500 N.
  7. Construct C.R. 200 N. from Deaconess Entrance to existing R.R. Crossing.
  8. Construct Temporary Connection Between Existing 231 and Proposed U.S. 231 Near AEP Entrance.

NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

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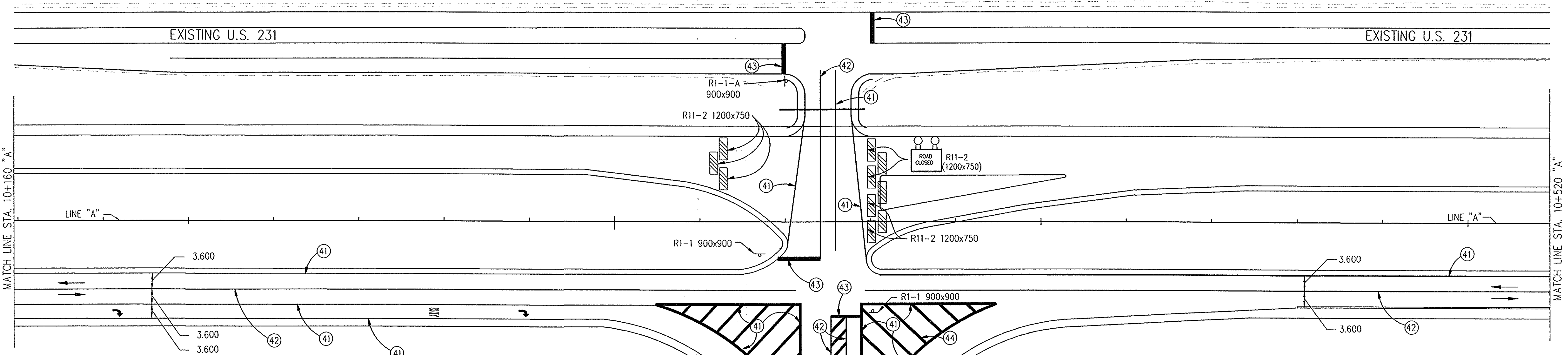
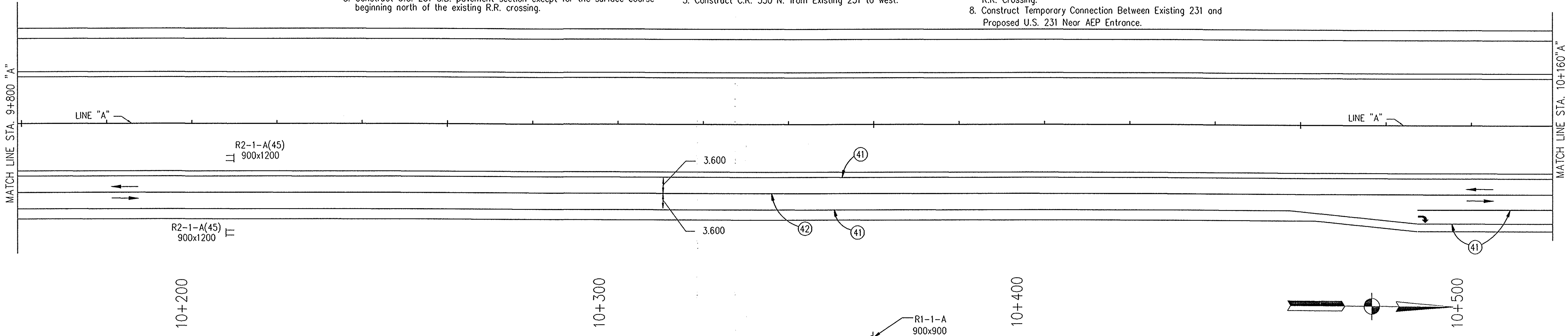


					RECOMMENDED FOR APPROVAL <i>Alan J. DeLainy</i> 4/22/03 DESIGN ENGINEER DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>	HORIZONTAL SCALE 1:500 VERTICAL SCALE 	BRIDGE FILE DESIGNATION 8461360
					DESIGNED: MAT      DRAWN: JAG CHECKED: AJD      CHECKED: MAT	<b>MAINTENANCE OF TRAFFIC LINE "A" - U.S. 231 PHASE II</b>	SURVEY BOOK 16722 CONTRACT R26185	SHEETS 31 of 196 PROJECT NH-075-3(014)



**PHASE II NOTES**

- Maintain Highway Traffic on Proposed Northbound U.S. 231.
- Maintain Railroad Traffic on Existing Railroad Lines.
- Construct U.S. 231 S.B. pavement section except for the surface course beginning north of the existing R.R. crossing.
- Construct Deaconess Entrance Part Width, access shall be maintained at all times.
- Construct C.R. 350 N. from Existing 231 to west.
- Construct Existing 231 and C.R. 500 N.
- Construct C.R. 200 N. from Deaconess Entrance to existing R.R. Crossing.
- Construct Temporary Connection Between Existing 231 and Proposed U.S. 231 Near AEP Entrance.



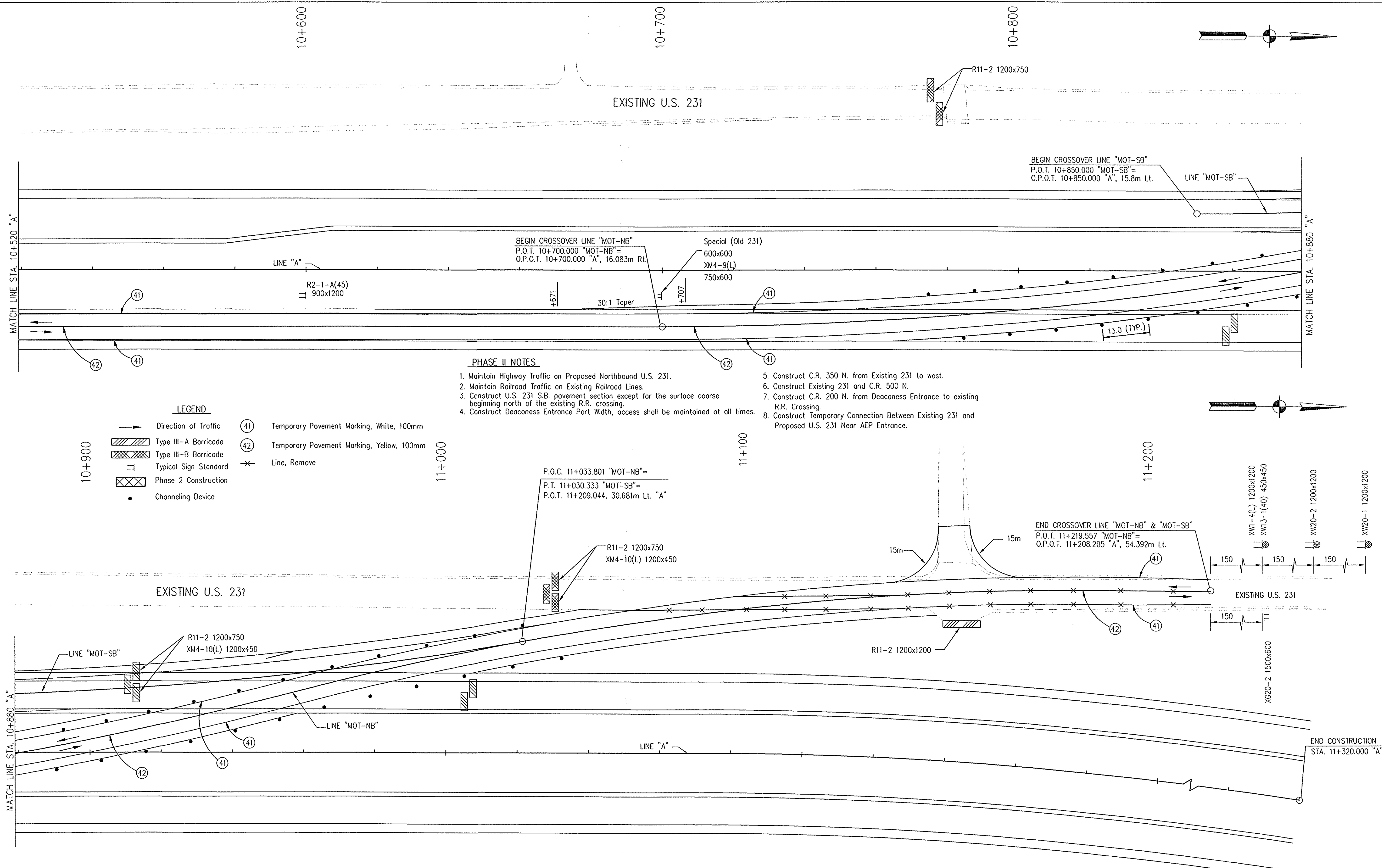
- LEGEND**
- Direction of Traffic
  - ▨ Type III-A Barricade
  - ▣ Phase 2 Construction
  - ⊥ Typical Sign Standard
  - ⊕ Temporary Pavement Marking, White, 100mm
  - ⊙ Temporary Pavement Marking, Yellow, 100mm
  - ⊖ Temporary Pavement Marking, White, 600mm
  - ⊕ Temporary Pavement Markings, Solid, White, Crosshatch, 600mm @ 6m Spa.
  - ↔ Temporary Pavement Markings, Lane Indication Arrow
  - ⊖ Temporary Pavement Markings, Word (ONLY)

NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

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						RECOMMENDED FOR APPROVAL <i>Alan J. DeLaune</i> 4/22/03 DESIGN ENGINEER DATE		INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE 1:500		BRIDGE FILE 8461360	
						DESIGNED: MAT CHECKED: AJD		DRAWN: JAG CHECKED: MAT		SURVEY BOOK 16722		SHEETS 32 of 196	
						<b>MAINTENANCE OF TRAFFIC          LINE 'A' - U.S. 231 PHASE II</b>				CONTRACT R26185		PROJECT NH-075-3(014)	





**PHASE II NOTES**

1. Maintain Highway Traffic on Proposed Northbound U.S. 231.
2. Maintain Railroad Traffic on Existing Railroad Lines.
3. Construct U.S. 231 S.B. pavement section except for the surface coarse beginning north of the existing R.R. crossing.
4. Construct Deaconess Entrance Port Width, access shall be maintained at all times.
5. Construct C.R. 350 N. from Existing 231 to west.
6. Construct Existing 231 and C.R. 500 N.
7. Construct C.R. 200 N. from Deaconess Entrance to existing R.R. Crossing.
8. Construct Temporary Connection Between Existing 231 and Proposed U.S. 231 Near AEP Entrance.

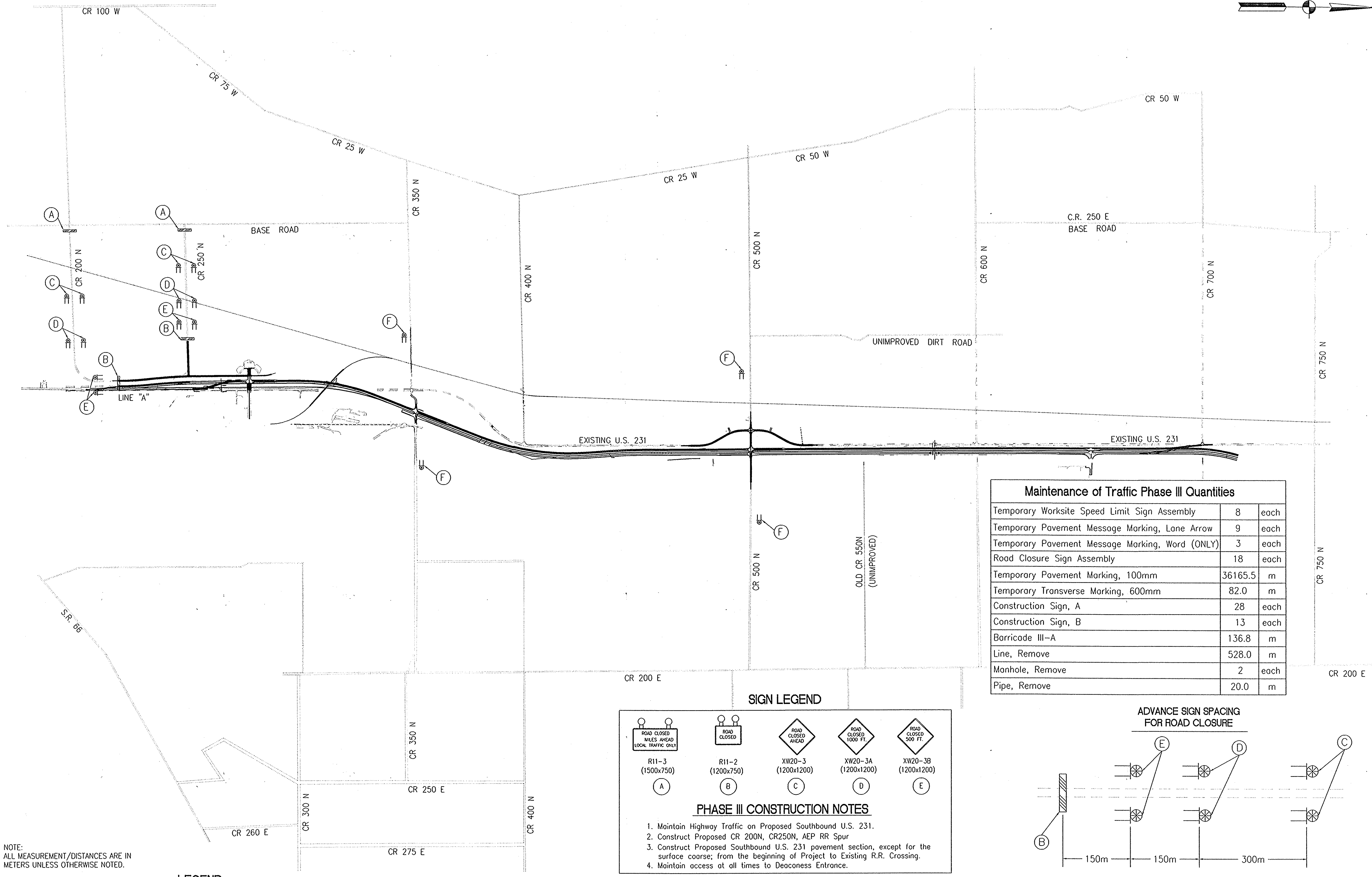
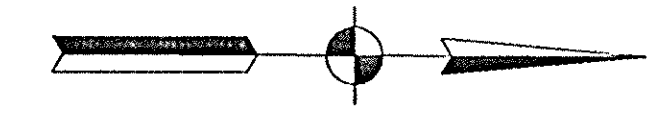
**LEGEND**

- Direction of Traffic
- ▨ Type III-A Barricade
- ▩ Type III-B Barricade
- ⊥ Typical Sign Standard
- ⊠ Phase 2 Construction
- Channeling Device
- (41) Temporary Pavement Marking, White, 100mm
- (42) Temporary Pavement Marking, Yellow, 100mm
- X— Line, Remove

NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

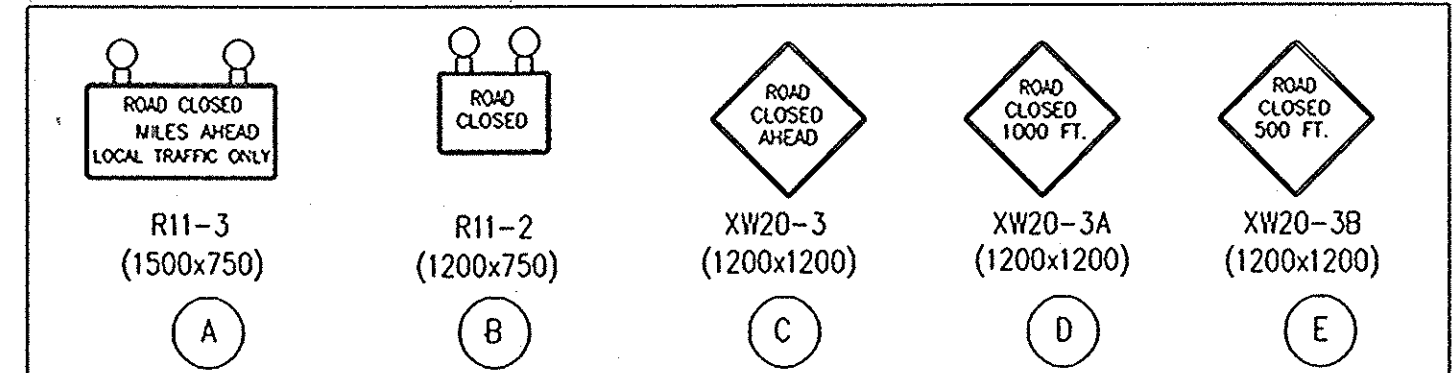
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					RECOMMENDED FOR APPROVAL <i>Alan J. DeLaney</i> 4/22/03 DESIGN ENGINEER DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>  <b>MAINTENANCE OF TRAFFIC LINE "A" - U.S. 231 PHASE II</b>	HORIZONTAL SCALE 1:500 VERTICAL SCALE BRIDGE FILE DESIGNATION 8461360
					DESIGNED: MAT      DRAWN: JAG CHECKED: AJD      CHECKED: MAT		SURVEY BOOK 16722 CONTRACT R26185 SHEETS 33 of 196 PROJECT NH-075-3(014)



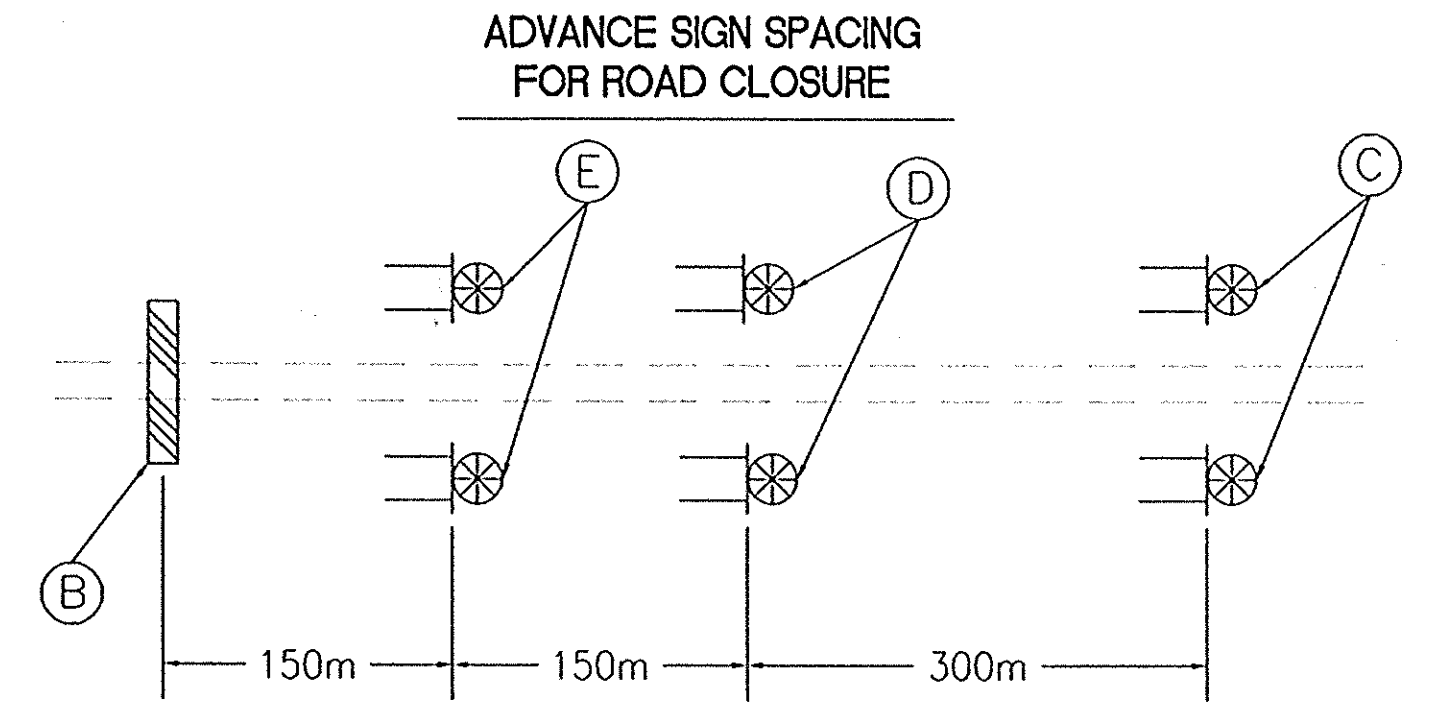
Maintenance of Traffic Phase III Quantities		
Temporary Worksite Speed Limit Sign Assembly	8	each
Temporary Pavement Message Marking, Lane Arrow	9	each
Temporary Pavement Message Marking, Word (ONLY)	3	each
Road Closure Sign Assembly	18	each
Temporary Pavement Marking, 100mm	36165.5	m
Temporary Transverse Marking, 600mm	82.0	m
Construction Sign, A	28	each
Construction Sign, B	13	each
Barricade III-A	136.8	m
Line, Remove	528.0	m
Manhole, Remove	2	each
Pipe, Remove	20.0	m

**SIGN LEGEND**



**PHASE III CONSTRUCTION NOTES**

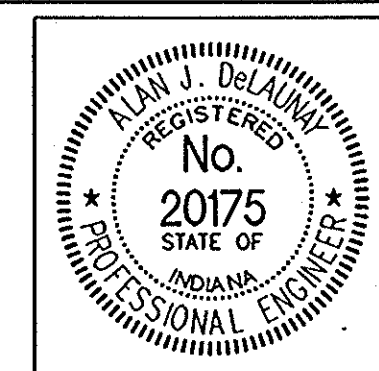
1. Maintain Highway Traffic on Proposed Southbound U.S. 231.
2. Construct Proposed CR 200N, CR250N, AEP RR Spur
3. Construct Proposed Southbound U.S. 231 pavement section, except for the surface course; from the beginning of Project to Existing R.R. Crossing.
4. Maintain access at all times to Deaconess Entrance.



NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.

**LEGEND**

- Type III-A or III-B Barricade
- STANDARD CONSTRUCTION SIGN
- BARRELS W/TYPE "A" CONSTRUCTION WARNING LIGHT (LOW INTENSITY FLASHING)
- SIGN LOCATION W/TYPE "B" CONSTRUCTION WARNING LIGHT (HIGH INTENSITY FLASHING)



RECOMMENDED FOR APPROVAL	<i>Alan J. DeLaney</i> 4/22/03 DESIGN ENGINEER DATE
DESIGNED: MAT	DRAWN: JAG
CHECKED: AJD	CHECKED: MAT

INDIANA DEPARTMENT OF TRANSPORTATION  
**MAINTENANCE OF TRAFFIC THROUGH TRAFFIC ROUTING, PHASE III**

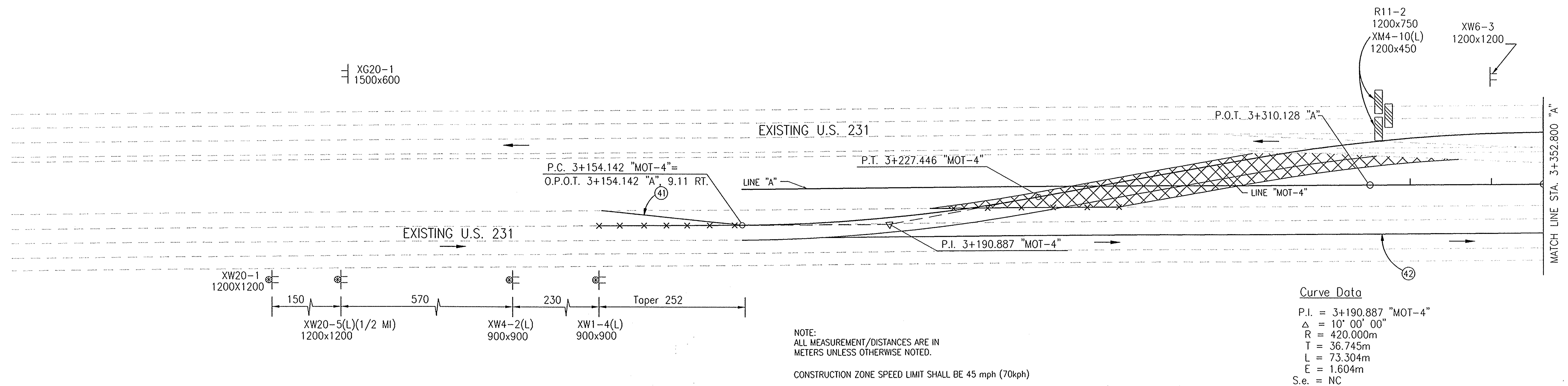
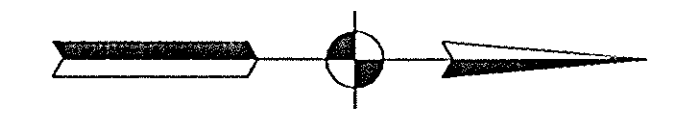
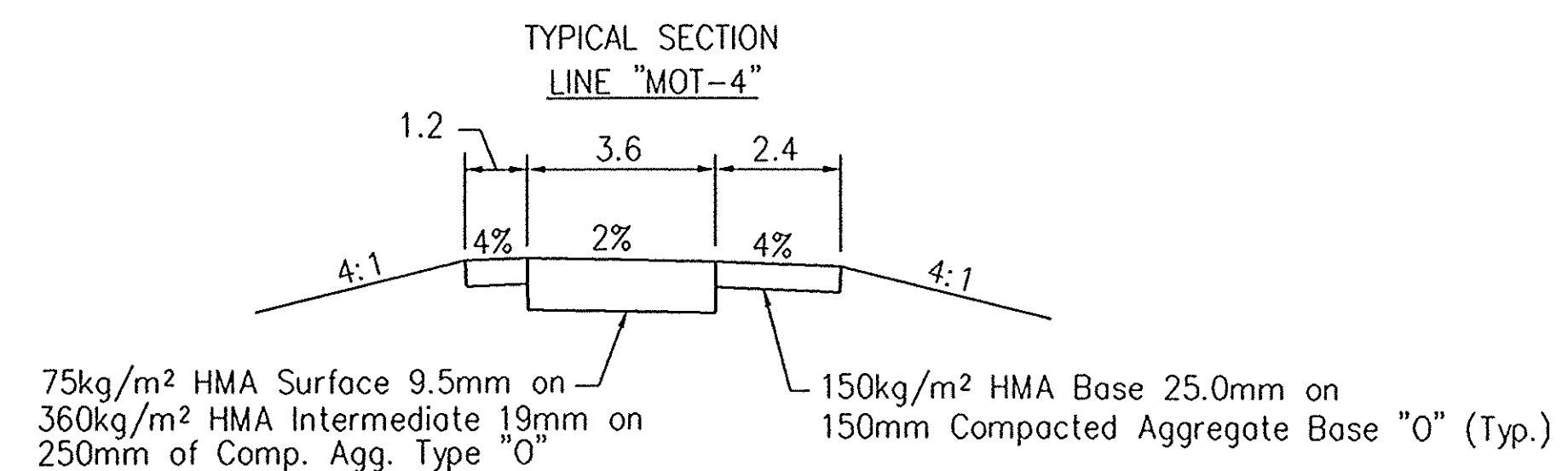
HORIZONTAL SCALE	BRIDGE FILE
NONE	
VERTICAL SCALE	DESIGNATION
	8461360
SURVEY BOOK	SHEETS
16722	34 of 196
CONTRACT	PROJECT
R26185	NH-075-3(014)

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- LEGEND**
- Direction of Traffic
  - ▨ Type III-A Barricade
  - ⊗ Phase 3 Construction
  - ⓪ Temporary Pavement Marking, White, 100mm
  - ⓪ Temporary Pavement Marking, Yellow, 100mm
  - ⓪ Standard Construction Sign w/Type "A" Warning Light
  - ⓪ Construction Warning Light Type "B"
  - x— Line, Remove

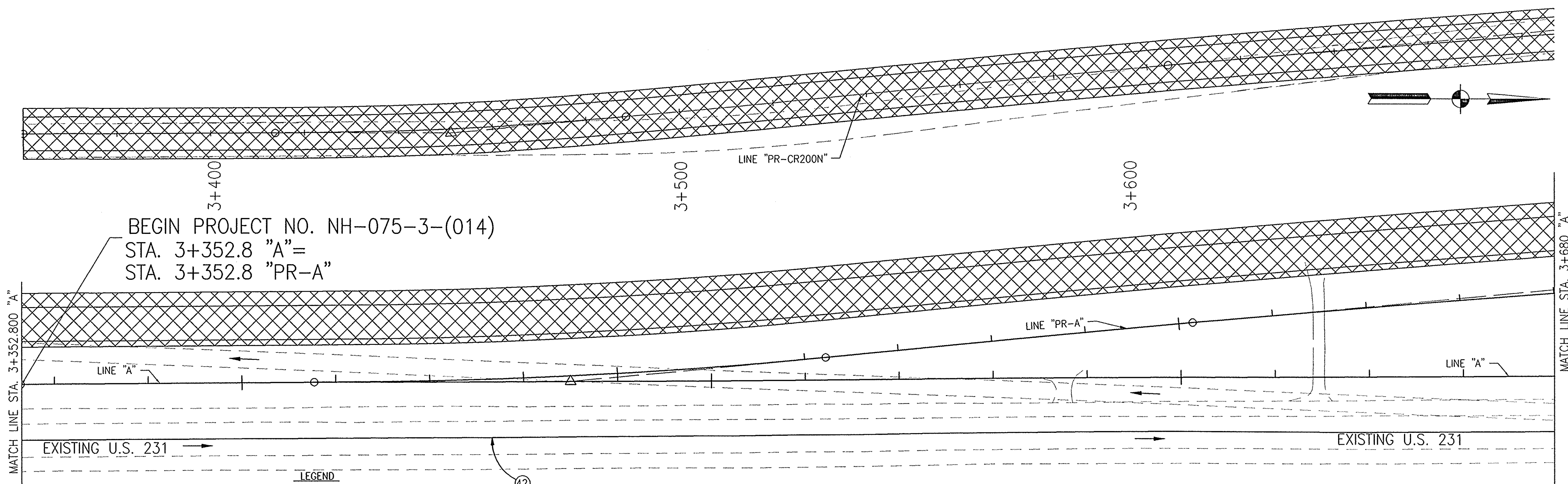
- PHASE III NOTES**
1. Maintain Highway Traffic on Proposed Southbound U.S. 231.
  2. Construct Proposed CR 200N, CR250N, AEP RR Spur
  3. Construct Proposed Southbound U.S. 231 pavement section, except for the surface course; from the beginning of Project to Existing R.R. Crossing
  4. Maintain access at all times to Deaconess Entrance.



NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN  
METERS UNLESS OTHERWISE NOTED.  
CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

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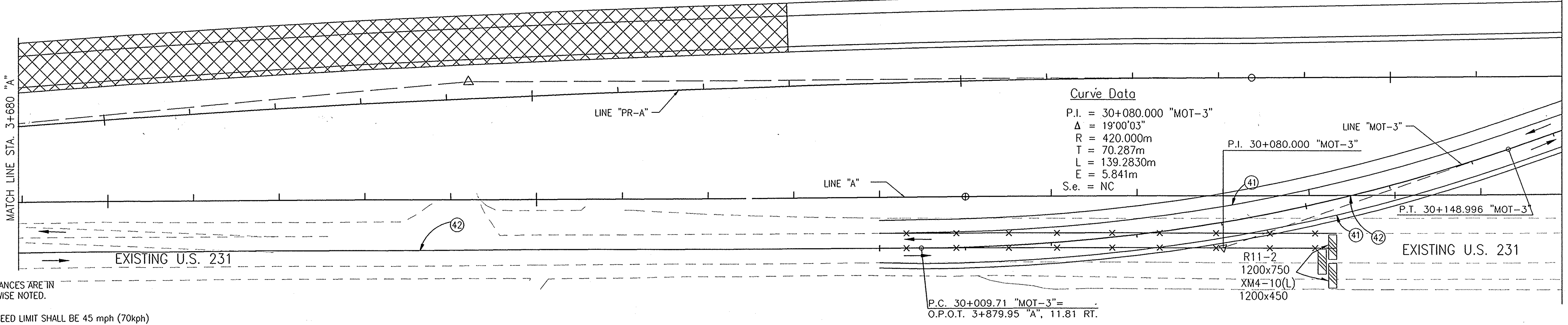
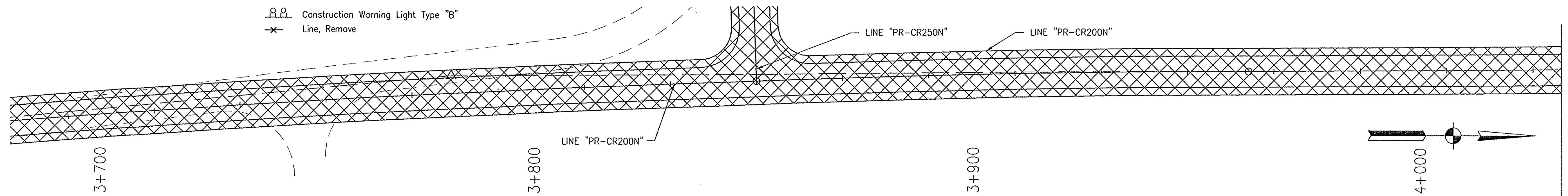
					RECOMMENDED FOR APPROVAL <i>Alan J. DeLuca</i> 4/22/03 DESIGN ENGINEER DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>	HORIZONTAL SCALE 1:500 VERTICAL SCALE	BRIDGE FILE DESIGNATION 8461360
					DESIGNED: MAT      DRAWN: JAG CHECKED: AJD      CHECKED: MAT	<b>MAINTENANCE OF TRAFFIC LINE 'A' - U.S. 231 PHASE III</b>	SURVEY BOOK 16722 CONTRACT R26185	SHEETS 35 of 196 PROJECT NH-075-3(014)



BEGIN PROJECT NO. NH-075-3-(014)  
 STA. 3+352.8 "A"=  
 STA. 3+352.8 "PR-A"


- LEGEND**
- Direction of Traffic
  - ▨ Type III-A Barricade
  - ▨ Phase 3 Construction
  - ④1 Temporary Pavement Marking, Removable, White, 100mm
  - ④2 Temporary Pavement Marking, Removable, Yellow, 100mm
  - ⊕ Standard Construction Sign w/Type "A" Warning Light
  - ⊕ Construction Warning Light Type "B"
  - ✕ Line, Remove

- PHASE III NOTES**
1. Maintain Highway Traffic on Proposed Southbound U.S. 231.
  2. Construct Proposed CR 200N, CR250N, AEP RR Spur
  3. Construct Proposed Southbound U.S. 231 pavement section, except for the surface course; from the beginning of Project to Existing R.R. Crossing
  4. Maintain access at all times to Deaconess Entrance.



NOTE:  
 ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
 CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

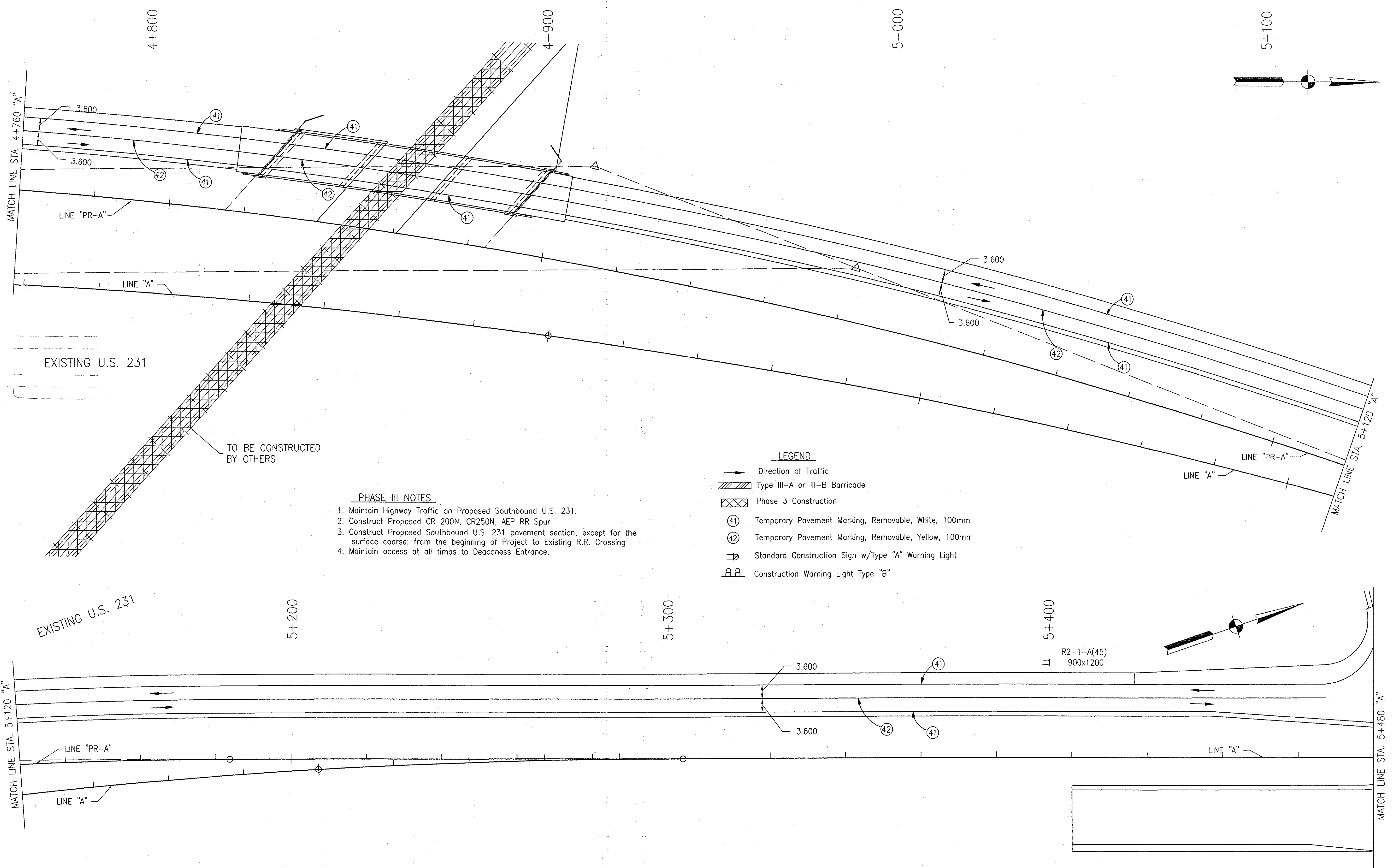
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					RECOMMENDED FOR APPROVAL <i>Alan J. DeLaney</i> 4/22/03 DESIGN ENGINEER DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>  <b>MAINTENANCE OF TRAFFIC LINE 'A' - U.S. 231 PHASE III</b>	HORIZONTAL SCALE 1:500 BRIDGE FILE	VERTICAL SCALE DESIGNATION 8461360
					DESIGNED: MAT      DRAWN: JAG CHECKED: AJD      CHECKED: MAT		SURVEY BOOK 16722 CONTRACT R26185	SHEETS 36 of 196 PROJECT NH-075-3(014)





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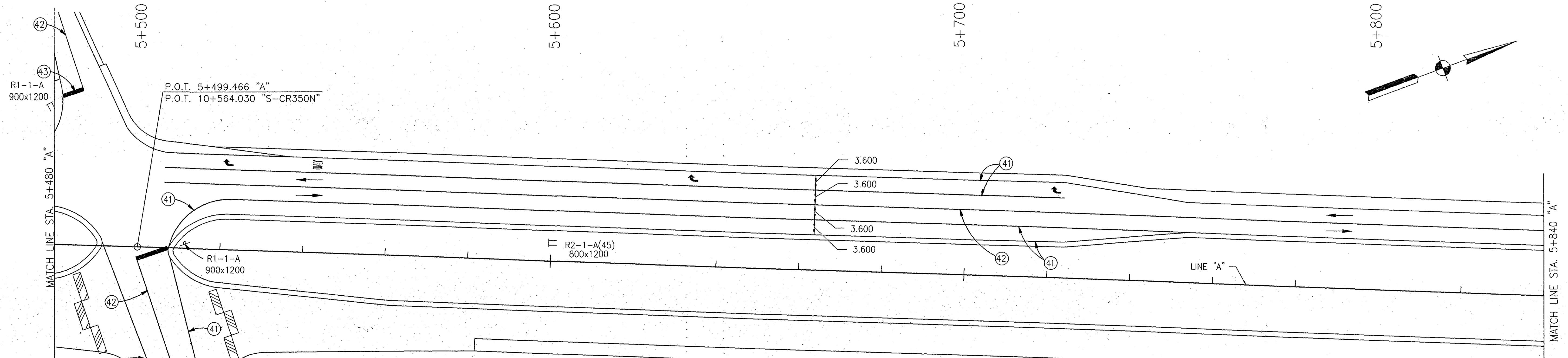
- PHASE III NOTES**
1. Maintain Highway Traffic on Proposed Southbound U.S. 231.
  2. Construct Proposed CR 200N, CR250N, AEP RR Spur
  3. Construct Proposed Southbound U.S. 231 pavement section, except for the surface course; from the beginning of Project to Existing R.R. Crossing
  4. Maintain access at all times to Deaconess Entrance.

- LEGEND**
- Direction of Traffic
  - ▨ Type III-A or III-B Barricade
  - ▩ Phase 3 Construction
  - ⓪(1) Temporary Pavement Marking, Removable, White, 100mm
  - ⓪(2) Temporary Pavement Marking, Removable, Yellow, 100mm
  - ⓪ Standard Construction Sign w/Type "A" Warning Light
  - ⓪ Construction Warning Light Type "B"

NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

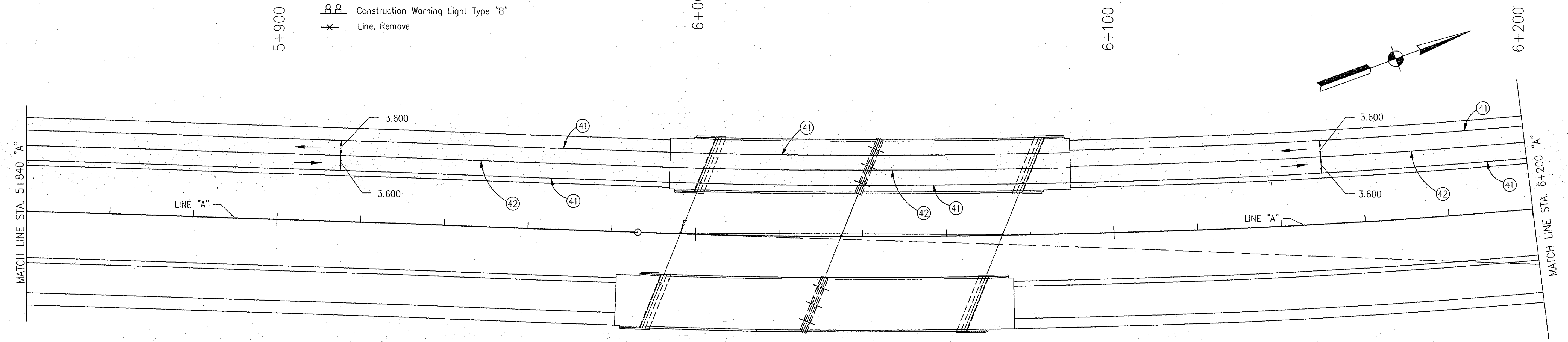
								RECOMMENDED FOR APPROVAL <i>Alan J. Delaney</i> 4/22/03 DESIGN ENGINEER DATE		HORIZONTAL SCALE 1:500		BRIDGE FILE	
								INDIANA DEPARTMENT OF TRANSPORTATION		VERTICAL SCALE		DESIGNATION 8461360	
								MAINTENANCE OF TRAFFIC LINE "A" - U.S. 231 PHASE III		SURVEY BOOK 16722		SHEETS 38 of 196	
										CONTRACT R26185		PROJECT NH-075-3(014)	





- LEGEND**
- Direction of Traffic
  - ▨ Type III-A Barricade
  - ▩ Phase 3 Construction
  - ④① Temporary Pavement Marking, Removable, White, 100mm
  - ④② Temporary Pavement Marking, Removable, Yellow, 100mm
  - ④③ Temporary Pavement Marking, White, 600mm
  - ↩ Temporary Pavement Markings, Lane Indication Arrow
  - W Temporary Pavement Markings, Word (ONLY)
  - ⊠ Standard Construction Sign w/Type "A" Warning Light
  - ⊠ Construction Warning Light Type "B"
  - x- Line, Remove

- PHASE III NOTES**
1. Maintain Highway Traffic on Proposed Southbound U.S. 231.
  2. Construct Proposed CR 200N, CR250N, AEP RR Spur
  3. Construct Proposed Southbound U.S. 231 pavement section, except for the surface coarse; from the beginning of Project to Existing R.R. Crossing
  4. Maintain access at all times to Deaconess Entrance.

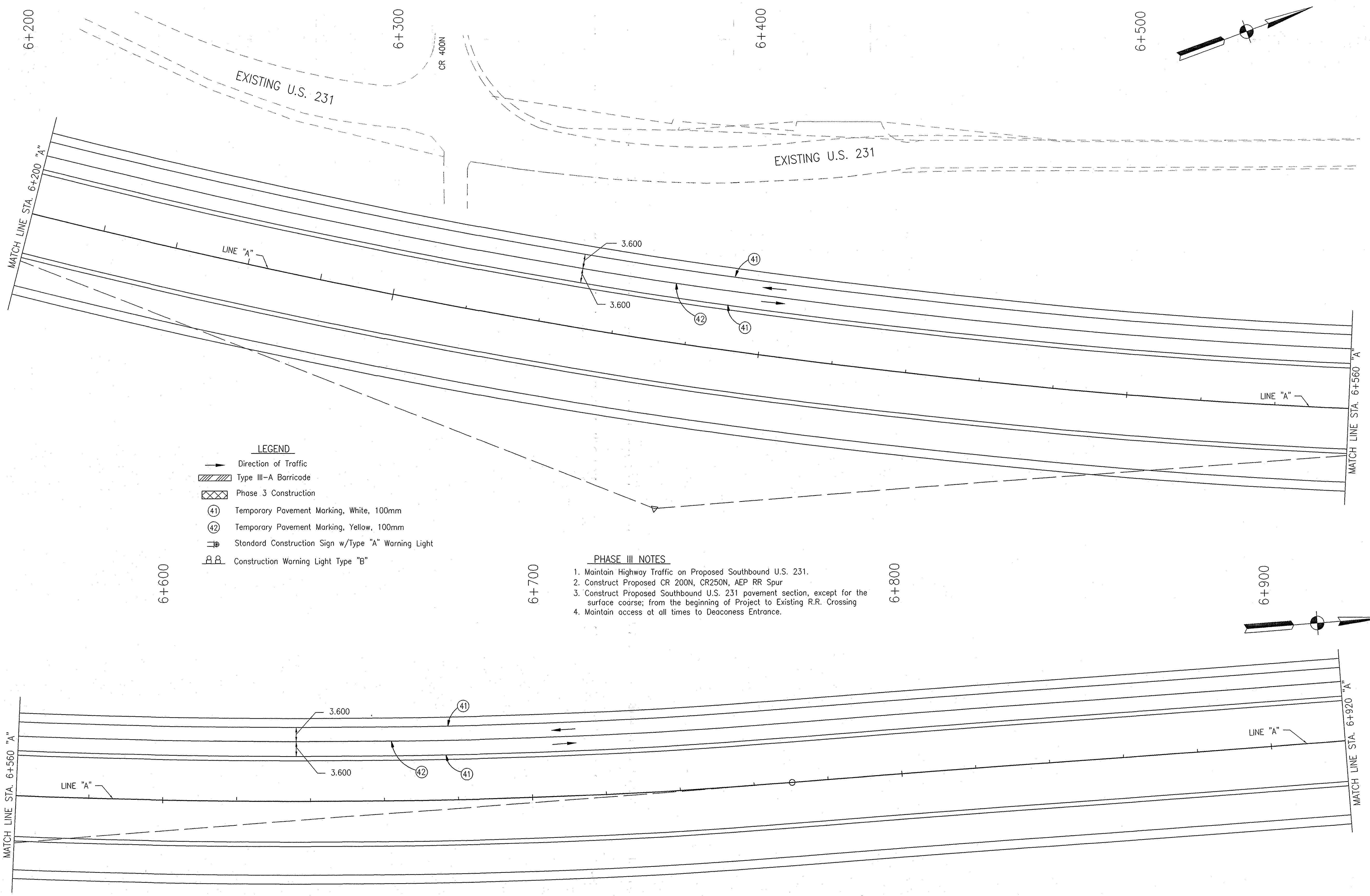


NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

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					RECOMMENDED FOR APPROVAL <i>Alan J. DeLuca</i> 4/22/03 DESIGN ENGINEER DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>	HORIZONTAL SCALE 1:500 VERTICAL SCALE BRIDGE FILE	DESIGNATION 8461360
					DESIGNED: MAT      DRAWN: JAG CHECKED: AJD      CHECKED: MAT	<b>MAINTENANCE OF TRAFFIC LINE 'A' - U.S. 231 PHASE III</b>	SURVEY BOOK 16722 CONTRACT R26185	SHEETS 39 of 196 PROJECT NH-075-3(014)

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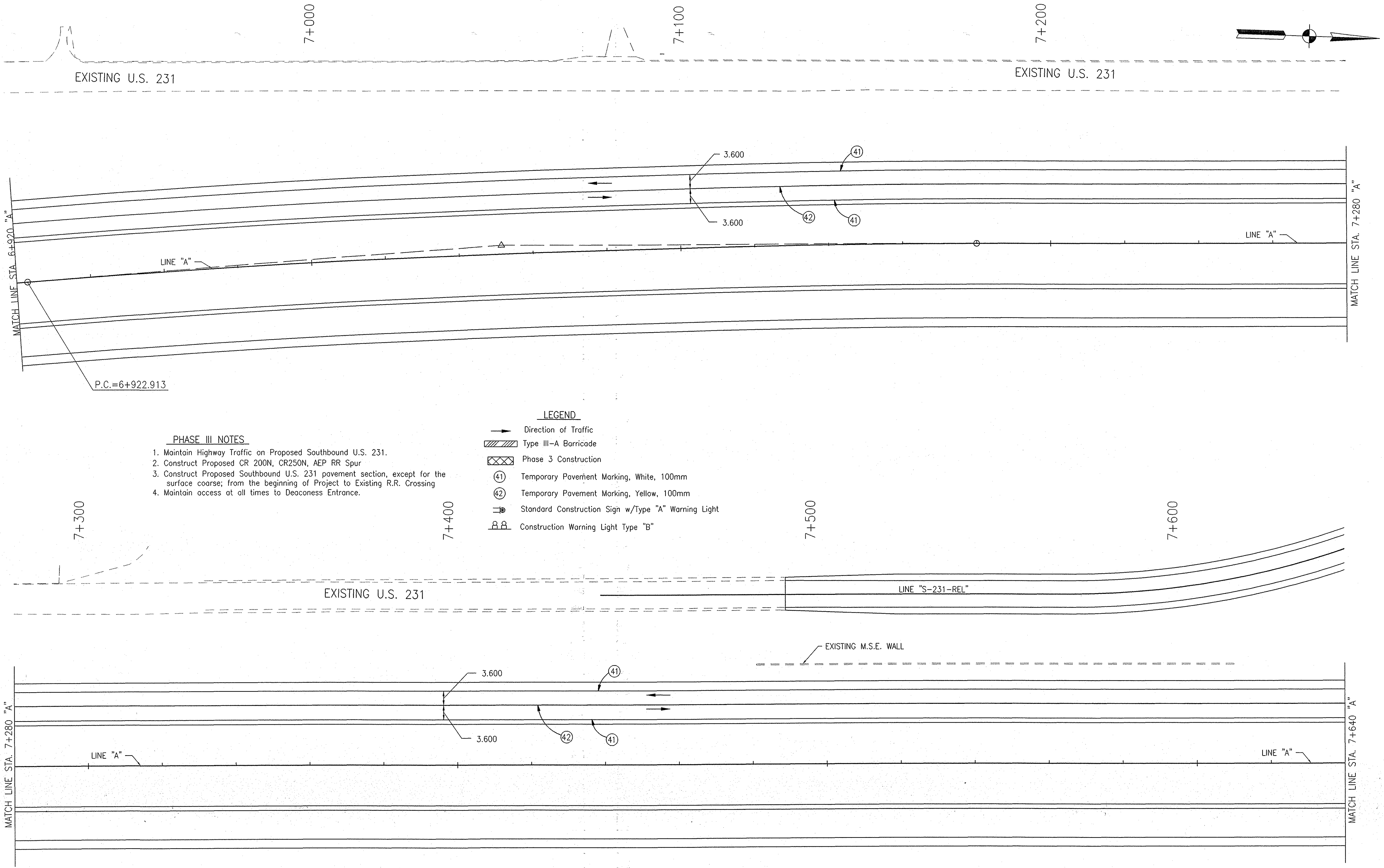


- LEGEND**
- Direction of Traffic
  - ▨ Type III-A Barricade
  - ▣ Phase 3 Construction
  - ④① Temporary Pavement Marking, White, 100mm
  - ④② Temporary Pavement Marking, Yellow, 100mm
  - ⊕ Standard Construction Sign w/Type "A" Warning Light
  - ⊕ Construction Warning Light Type "B"

- PHASE III NOTES**
1. Maintain Highway Traffic on Proposed Southbound U.S. 231.
  2. Construct Proposed CR 200N, CR250N, AEP RR Spur
  3. Construct Proposed Southbound U.S. 231 pavement section, except for the surface course; from the beginning of Project to Existing R.R. Crossing
  4. Maintain access at all times to Deaconess Entrance.

NOTE:  
 ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
 CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

					RECOMMENDED FOR APPROVAL <i>Alan J. DeLaney</i> 4/22/03 DESIGN ENGINEER DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>	HORIZONTAL SCALE 1:500	BRIDGE FILE 8461360
					DESIGNED: MAT      DRAWN: JAG CHECKED: AJD      CHECKED: MAT	<b>MAINTENANCE OF TRAFFIC          LINE "A" - U.S. 231 PHASE III</b>	VERTICAL SCALE 1:500	DESIGNATION 8461360
							SURVEY BOOK 16722	SHEETS 40 of 196
							CONTRACT R26185	PROJECT NH-075-3(014)



- PHASE III NOTES**
1. Maintain Highway Traffic on Proposed Southbound U.S. 231.
  2. Construct Proposed CR 200N, CR250N, AEP RR Spur
  3. Construct Proposed Southbound U.S. 231 pavement section, except for the surface course; from the beginning of Project to Existing R.R. Crossing
  4. Maintain access at all times to Deaconess Entrance.

- LEGEND**
- Direction of Traffic
  - ▨ Type III-A Barricade
  - ▣ Phase 3 Construction
  - ④1 Temporary Pavement Marking, White, 100mm
  - ④2 Temporary Pavement Marking, Yellow, 100mm
  - ⊠ Standard Construction Sign w/Type "A" Warning Light
  - ⊠⊠ Construction Warning Light Type "B"

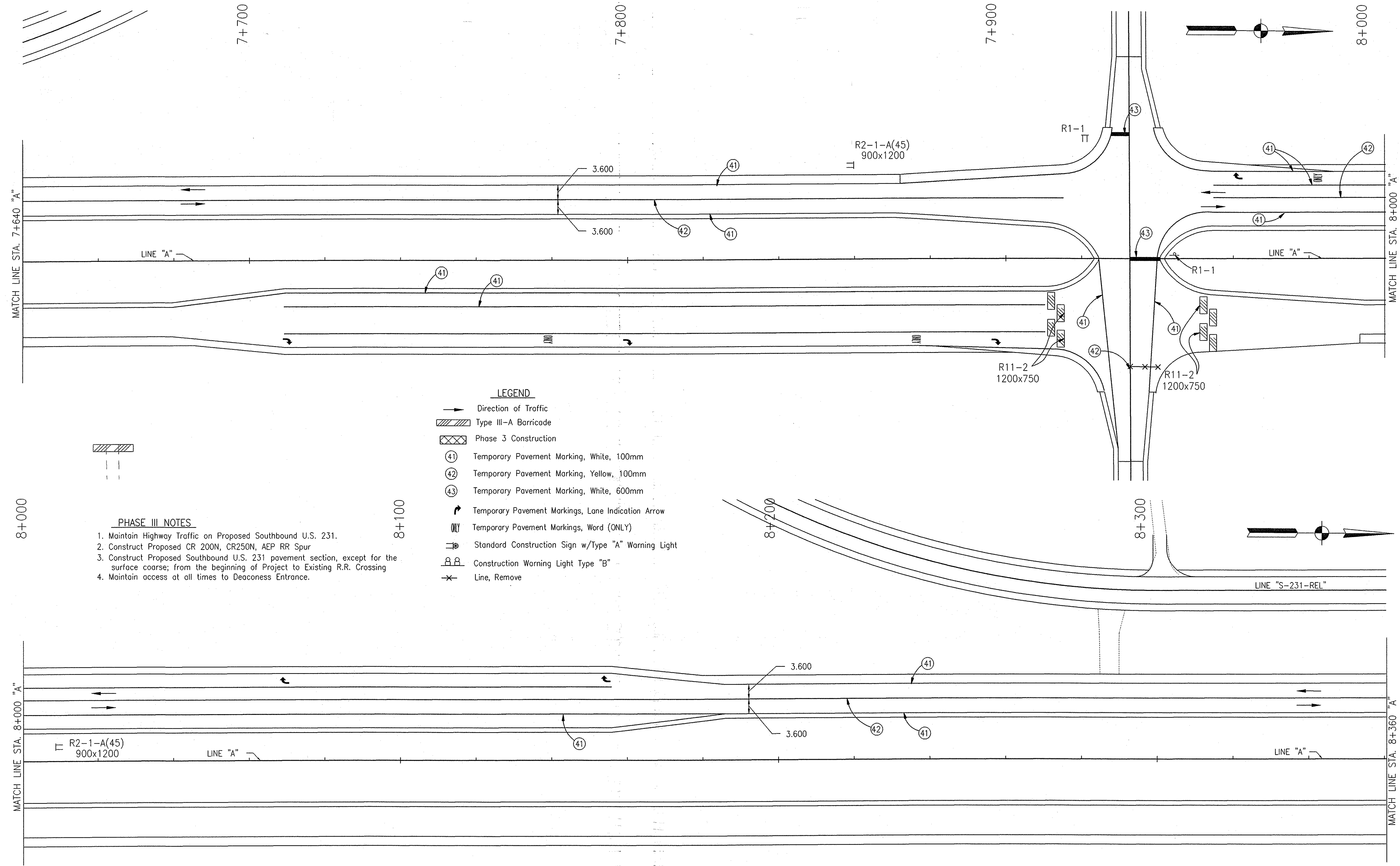
NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

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								RECOMMENDED FOR APPROVAL: <i>Alan J. DeLaune</i> 4/22/03 DESIGN ENGINEER DATE		HORIZONTAL SCALE 1:500		BRIDGE FILE - DESIGNATION 8461360			
								DESIGNED: MAT DRAWN: JAG CHECKED: AJD CHECKED: MAT		INDIANA DEPARTMENT OF TRANSPORTATION		SURVEY BOOK 16722		SHEETS 41 of 196	
								MAINTENANCE OF TRAFFIC LINE "A" - U.S. 231 PHASE III		CONTRACT R26185		PROJECT NH-075-3(014)			



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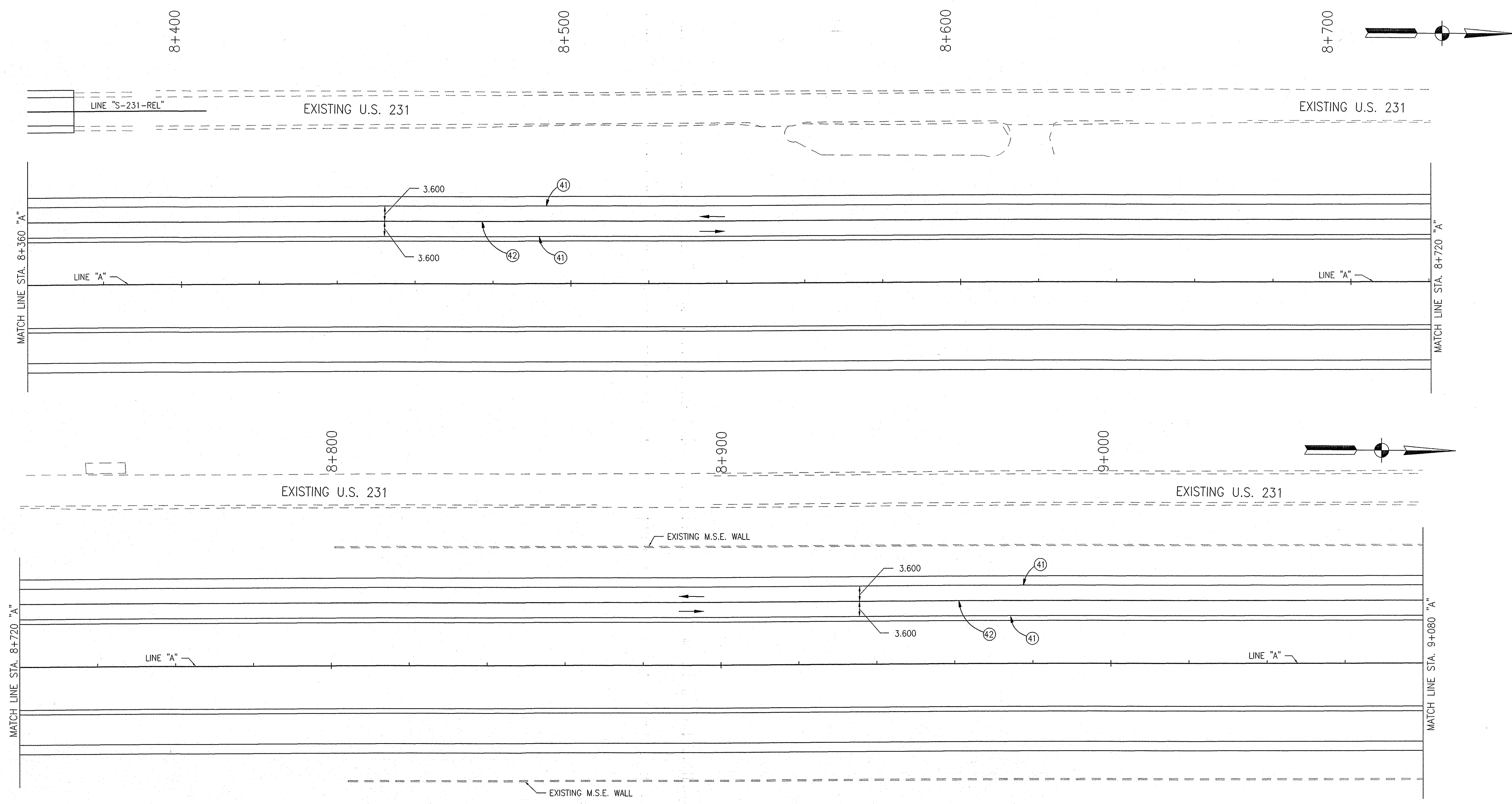
- PHASE III NOTES**
1. Maintain Highway Traffic on Proposed Southbound U.S. 231.
  2. Construct Proposed CR 200N, CR250N, AEP RR Spur
  3. Construct Proposed Southbound U.S. 231 pavement section, except for the surface coarse; from the beginning of Project to Existing R.R. Crossing
  4. Maintain access at all times to Deaconess Entrance.

- LEGEND**
- Direction of Traffic
  - ▨ Type III-A Barricade
  - ▣ Phase 3 Construction
  - ④1 Temporary Pavement Marking, White, 100mm
  - ④2 Temporary Pavement Marking, Yellow, 100mm
  - ④3 Temporary Pavement Marking, White, 600mm
  - ↩ Temporary Pavement Markings, Lane Indication Arrow
  - ONLY Temporary Pavement Markings, Word (ONLY)
  - ⊠ Standard Construction Sign w/Type "A" Warning Light
  - ⊠ Construction Warning Light Type "B"
  - ✕ Line, Remove

NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

					RECOMMENDED FOR APPROVAL <i>Alan J. DeLaney</i> 4/22/03 DESIGN ENGINEER DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>  <b>MAINTENANCE OF TRAFFIC LINE "A" - U.S. 231 PHASE III</b>	HORIZONTAL SCALE 1:500 VERTICAL SCALE SURVEY BOOK 16722 CONTRACT R26185	BRIDGE FILE 8461360 DESIGNATION SHEETS 42 of 196 PROJECT NH-075-3(014)
					DESIGNED: MAT CHECKED: AJD	DRAWN: JAG CHECKED: MAT		

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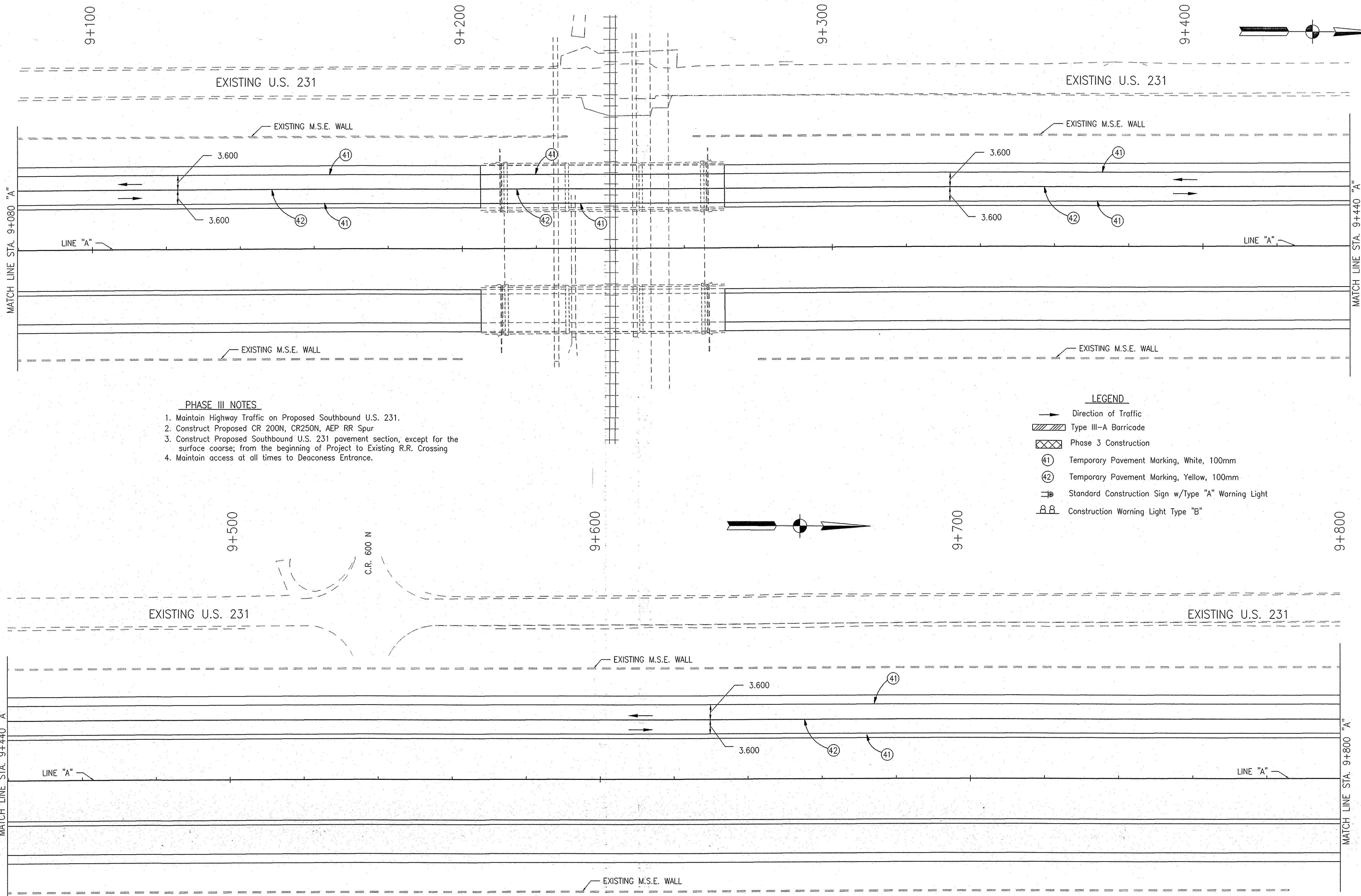


NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

- LEGEND**
- Direction of Traffic
  - ▨ Type III-A Barricade
  - ▣ Phase 3 Construction
  - ⓪ Temporary Pavement Marking, White, 100mm
  - ⓪ Temporary Pavement Marking, Yellow, 100mm
  - ⓪ Standard Construction Sign w/Type "A" Warning Light
  - ⓪ Construction Warning Light Type "B"

- PHASE III NOTES**
1. Maintain Highway Traffic on Proposed Southbound U.S. 231.
  2. Construct Proposed CR 200N, CR250N, AEP RR Spur
  3. Construct Proposed Southbound U.S. 231 pavement section, except for the surface course; from the beginning of Project to Existing R.R. Crossing
  4. Maintain access at all times to Deaconess Entrance.

								RECOMMENDED FOR APPROVAL <i>Alan J. DeLaney</i> 4/22/03 DESIGN ENGINEER DATE		INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE 1:500		BRIDGE FILE	
								DESIGNED: MAT DRAWN: JAG		MAINTENANCE OF TRAFFIC LINE "A" - U.S. 231 PHASE III		VERTICAL SCALE 8461360		DESIGNATION 8461360	
								CHECKED: AJD CHECKED: MAT				SURVEY BOOK 16722		SHEETS 43 of 196	
												CONTRACT R26185		PROJECT NH-075-3(014)	



- PHASE III NOTES**
1. Maintain Highway Traffic on Proposed Southbound U.S. 231.
  2. Construct Proposed CR 200N, CR250N, AEP RR Spur
  3. Construct Proposed Southbound U.S. 231 pavement section, except for the surface course; from the beginning of Project to Existing R.R. Crossing
  4. Maintain access at all times to Deaconess Entrance.

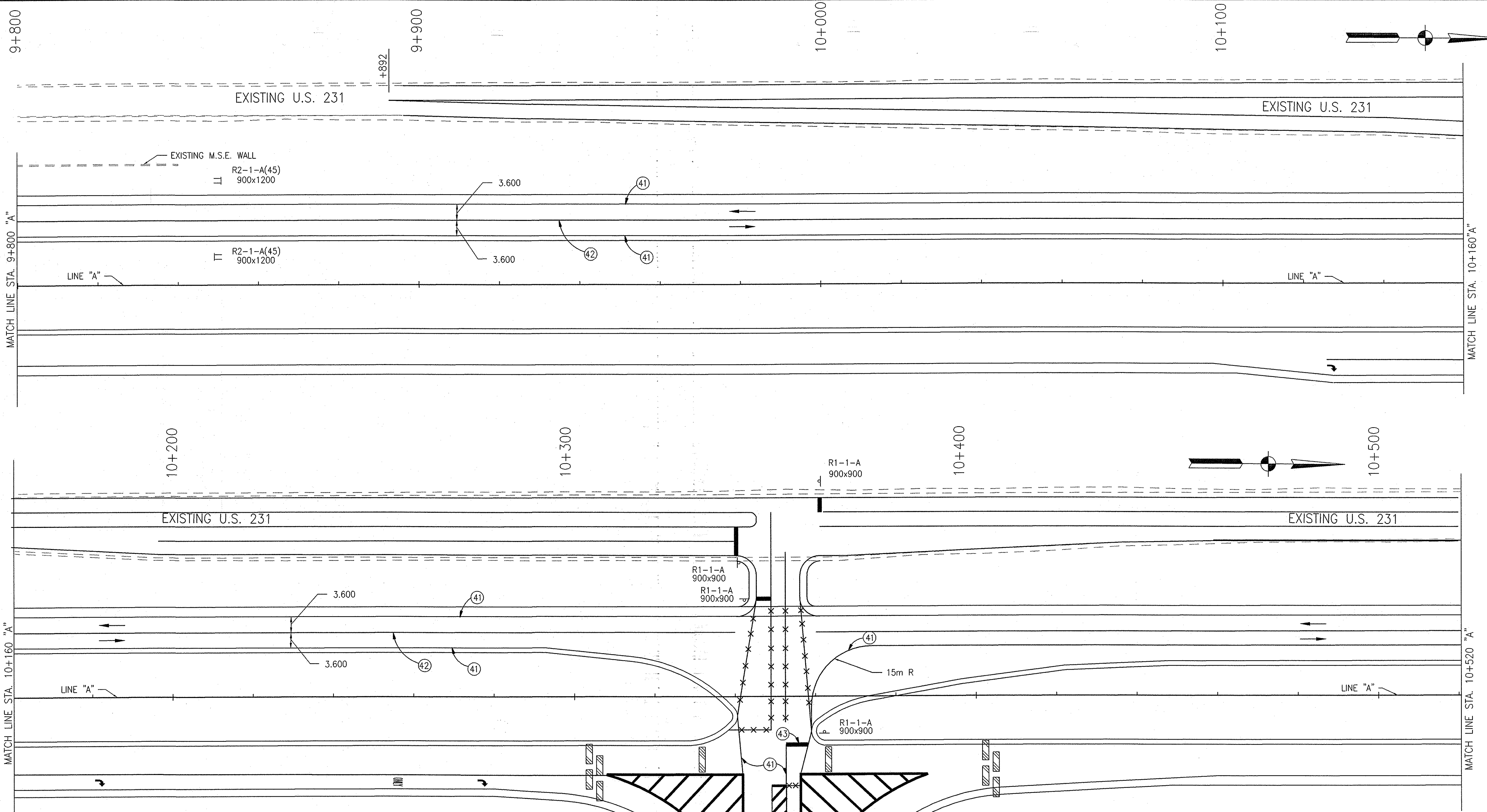
- LEGEND**
- Direction of Traffic
  - ▨ Type III-A Barricade
  - ▤ Phase 3 Construction
  - ⓪ Temporary Pavement Marking, White, 100mm
  - ⓫ Temporary Pavement Marking, Yellow, 100mm
  - ⓬ Standard Construction Sign w/Type "A" Warning Light
  - ⓭ Construction Warning Light Type "B"

NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

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								RECOMMENDED FOR APPROVAL <i>Alan J. DeLaney</i> 4/22/03 DESIGN ENGINEER DATE		INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE 1:500		BRIDGE FILE	
								DESIGNED: MAT CHECKED: AJD		DRAWN: JAG CHECKED: MAT		SURVEY BOOK 16722		SHEETS 44 of 196	
								MAINTENANCE OF TRAFFIC LINE "A" - U.S. 231 PHASE III		CONTRACT R26185		DESIGNATION 8461360		PROJECT NH-075-3(014)	





- LEGEND**
- Direction of Traffic
  - ▨ Type III-A Barricade
  - ⊗ Phase 3 Construction
  - ④① Temporary Pavement Marking, White, 100mm
  - ④② Temporary Pavement Marking, Yellow, 100mm
  - ④③ Temporary Pavement Marking, White, 600mm
  - ↔ Temporary Pavement Markings, Lane Indication Arrow
  - ONLY Temporary Pavement Markings, Word (ONLY)
  - ⊠ Standard Construction Sign w/Type "A" Warning Light
  - ⊠ Construction Warning Light Type "B"
  - X— Line, Remove

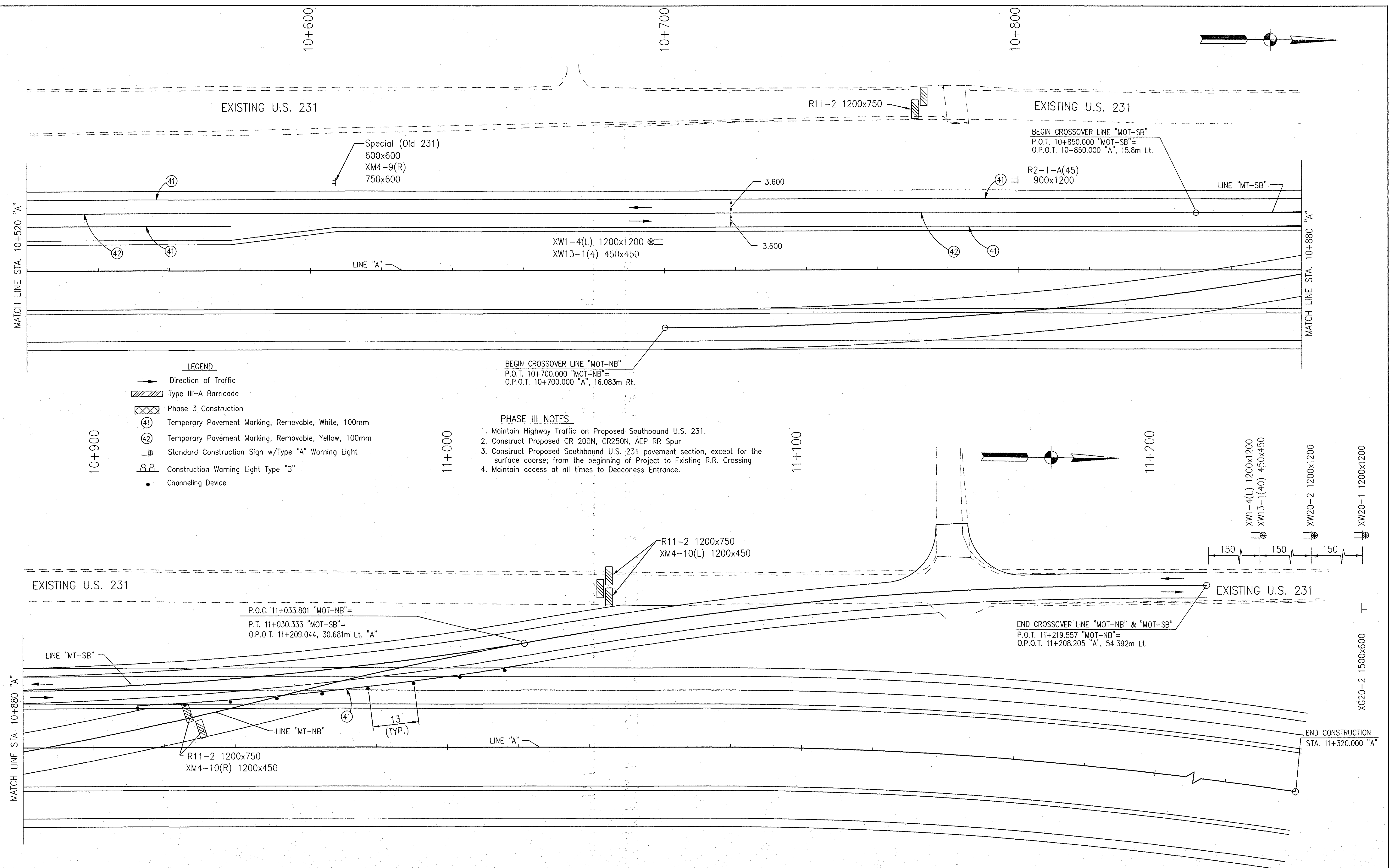
NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

- PHASE III NOTES**
1. Maintain Highway Traffic on Proposed Southbound U.S. 231.
  2. Construct Proposed CR 200N, CR250N, AEP RR Spur
  3. Construct Proposed Southbound U.S. 231 pavement section, except for the surface course; from the beginning of Project to Existing R.R. Crossing
  4. Maintain access at all times to Deaconess Entrance.

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					RECOMMENDED FOR APPROVAL <i>Alan J. DeLaney</i> 4/22/03 DESIGN ENGINEER DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>	HORIZONTAL SCALE 1:500 VERTICAL SCALE 	BRIDGE FILE 8461360 DESIGNATION 	
						<b>MAINTENANCE OF TRAFFIC LINE "A" - U.S. 231 PHASE III</b>	SURVEY BOOK 16722 CONTRACT R26185	SHEETS 45 of 196 PROJECT NH-075-3(014)	
DESIGNED: MAT		DRAWN: JAG		CHECKED: AJD		CHECKED: MAT			

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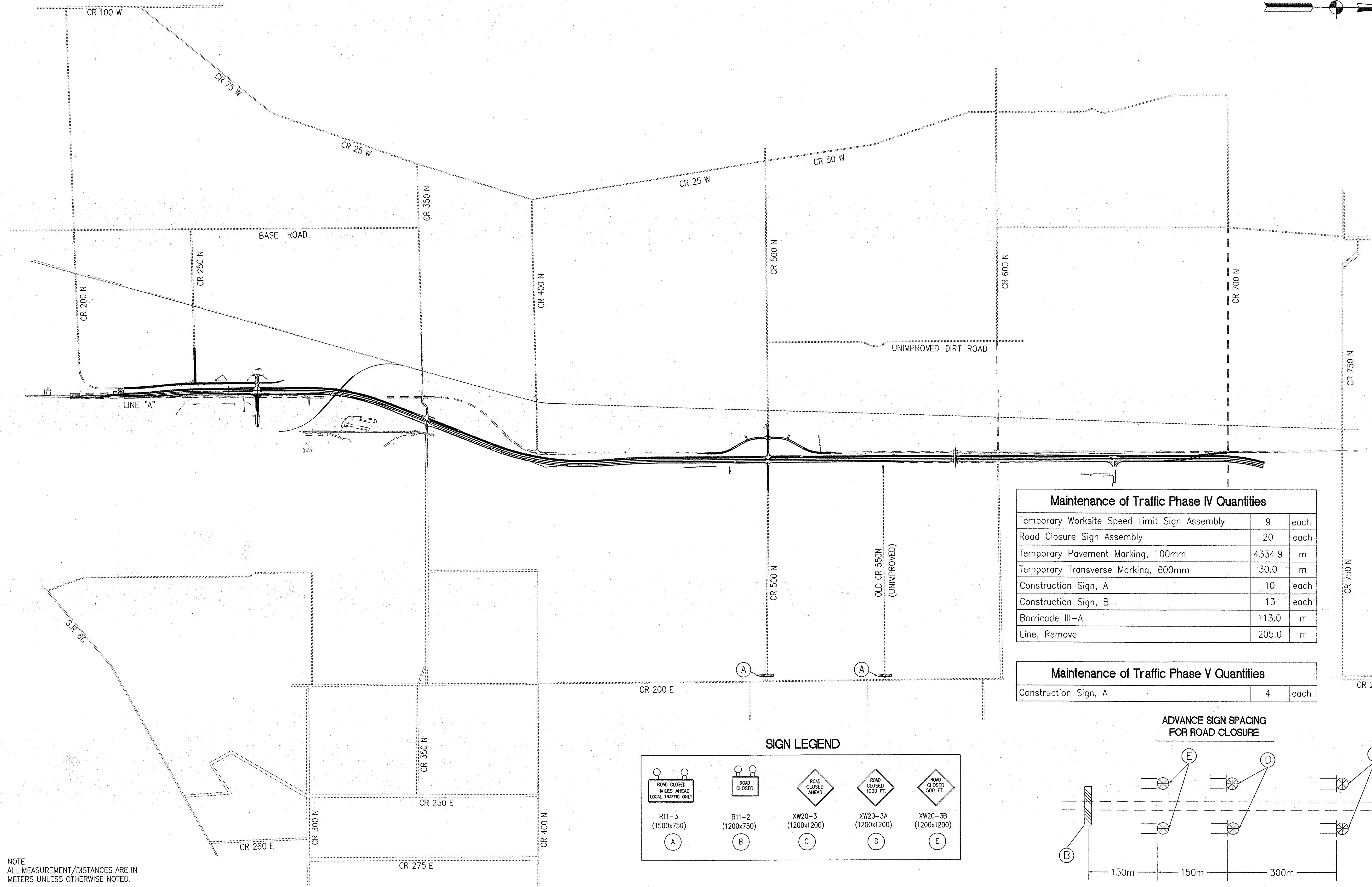
- LEGEND**
- Direction of Traffic
  - ▨ Type III-A Barricade
  - ▣ Phase 3 Construction
  - ④① Temporary Pavement Marking, Removable, White, 100mm
  - ④② Temporary Pavement Marking, Removable, Yellow, 100mm
  - ⊠ Standard Construction Sign w/Type "A" Warning Light
  - ⊠ Construction Warning Light Type "B"
  - Channeling Device

- PHASE III NOTES**
1. Maintain Highway Traffic on Proposed Southbound U.S. 231.
  2. Construct Proposed CR 200N, CR250N, AEP RR Spur
  3. Construct Proposed Southbound U.S. 231 pavement section, except for the surface course; from the beginning of Project to Existing R.R. Crossing
  4. Maintain access at all times to Deaconess Entrance.

NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

					RECOMMENDED FOR APPROVAL <i>Alan J. DeLaney</i> 4/22/03 DESIGN ENGINEER DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>	HORIZONTAL SCALE 1:500 VERTICAL SCALE BRIDGE FILE DESIGNATION 8461360
					DESIGNED: MAT      DRAWN: JAG CHECKED: AJD      CHECKED: MAT	<b>MAINTENANCE OF TRAFFIC LINE "A" - U.S. 231 PHASE III</b>	SURVEY BOOK 16722 CONTRACT R26185 SHEETS 46 of 196 PROJECT NH-075-3(014)

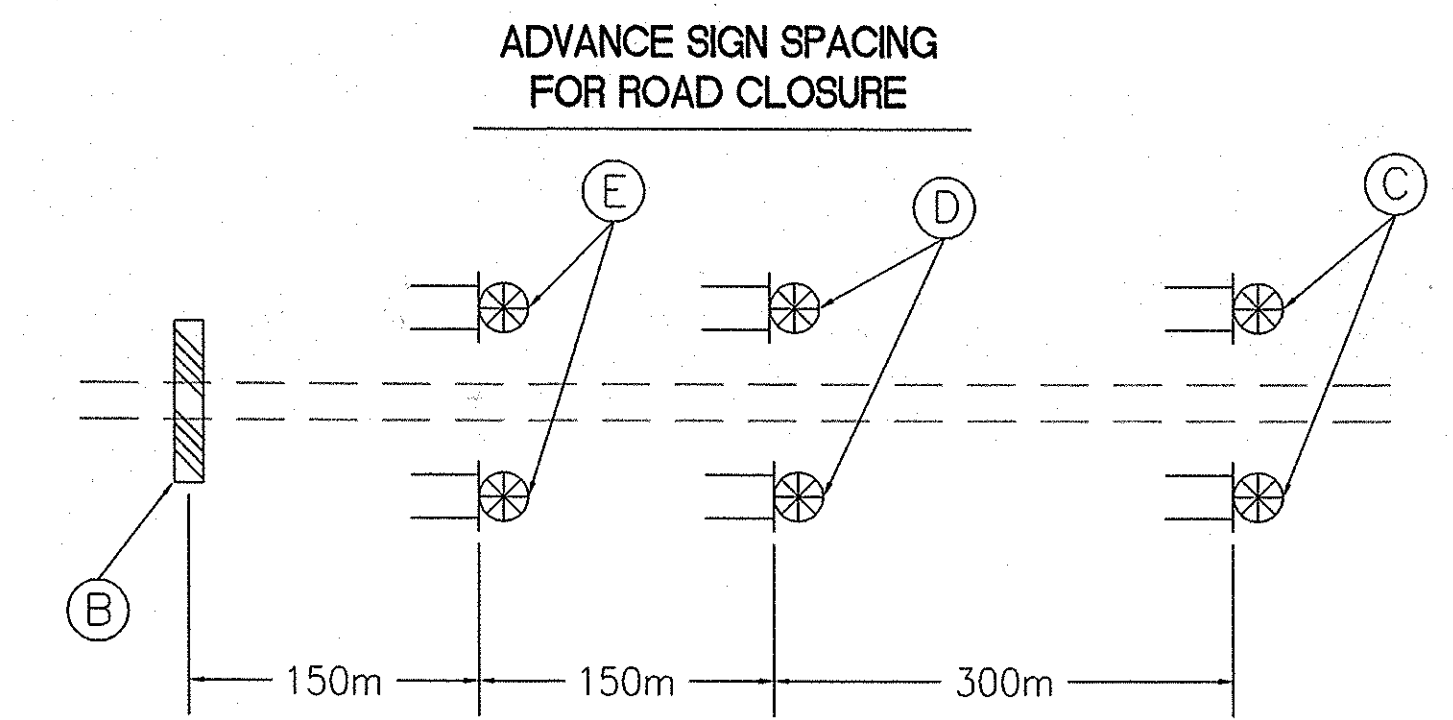
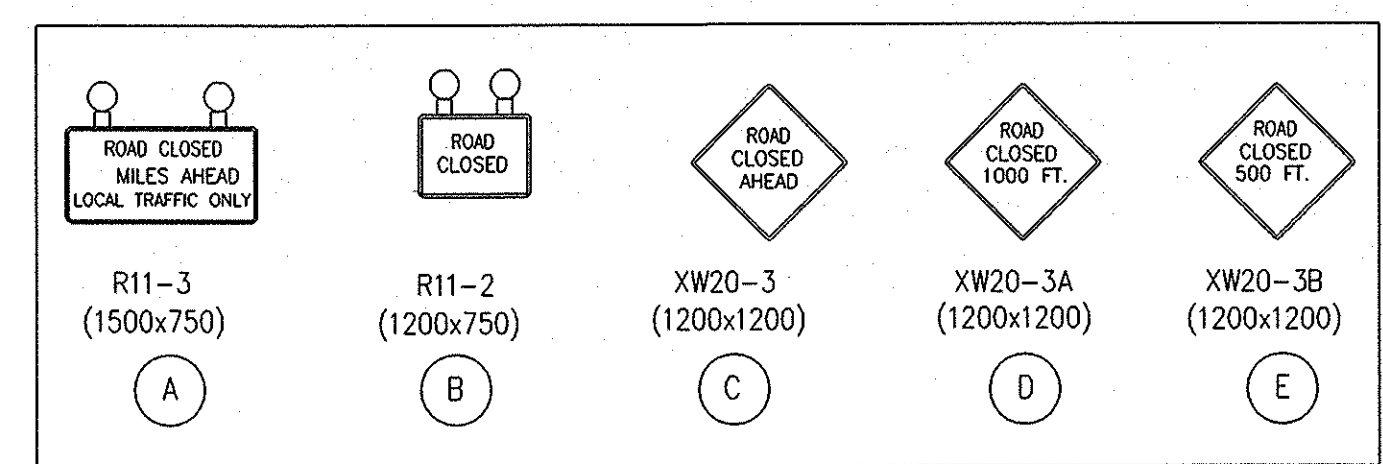




Maintenance of Traffic Phase IV Quantities		
Temporary Worksite Speed Limit Sign Assembly	9	each
Road Closure Sign Assembly	20	each
Temporary Pavement Marking, 100mm	4334.9	m
Temporary Transverse Marking, 600mm	30.0	m
Construction Sign, A	10	each
Construction Sign, B	13	each
Barricade III-A	113.0	m
Line, Remove	205.0	m

Maintenance of Traffic Phase V Quantities		
Construction Sign, A	4	each

**SIGN LEGEND**



NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.

**LEGEND**

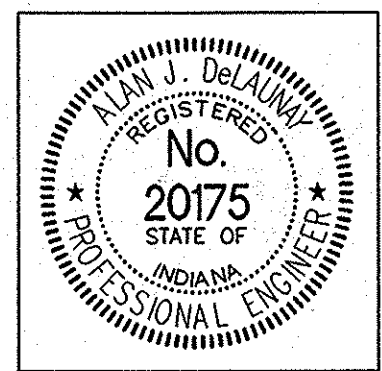
- Type III-A Barricade
- STANDARD CONSTRUCTION SIGN
- BARRELS W/TYPE "A" CONSTRUCTION WARNING LIGHT (LOW INTENSITY FLASHING)
- SIGN LOCATION W/TYPE "B" CONSTRUCTION WARNING LIGHT (HIGH INTENSITY FLASHING)

**PHASE IV NOTES**

- Maintain Highway Traffic on Proposed Southbound U.S. 231.
- Construct Proposed Northbound US 231 Pavement Section, except for the surface course; from the Beginning of Project to STA. 5+400 "A".
- Remove Existing Crossovers used for Kentucky (KDOT) Project: FD04 030 8530 025 D.
- Remove Existing U.S. 231 from Sta. 3+352.8 to CR 350N.

**PHASE V NOTES**

- Maintain Highway Traffic on Proposed U.S. 231.
- Place Surface on U.S. 231 Using Single Lane Closures and Flagger Operations.



RECOMMENDED FOR APPROVAL: *Alan J. Delaney* 4/22/03  
DESIGN ENGINEER DATE

DESIGNED: MAT DRAWN: JAG  
CHECKED: AJD CHECKED: MAT

INDIANA DEPARTMENT OF TRANSPORTATION

**MAINTENANCE OF TRAFFIC THROUGH TRAFFIC ROUTING, PHASE IV + V**

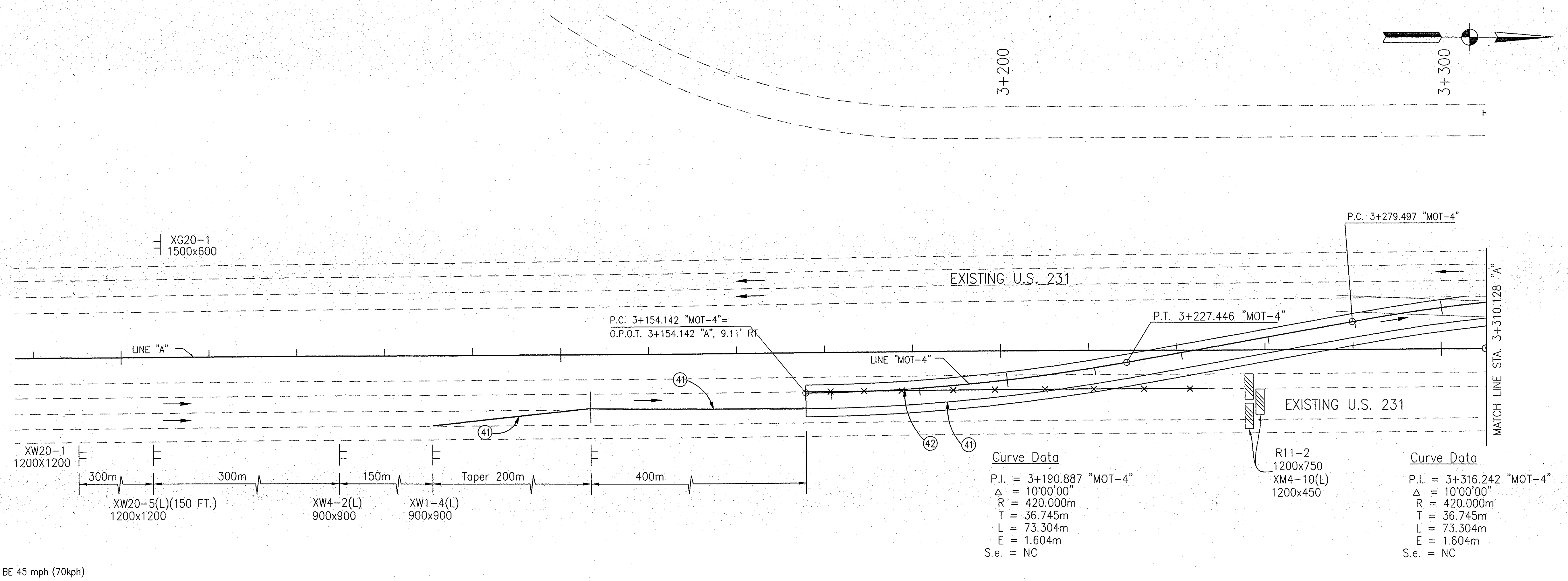
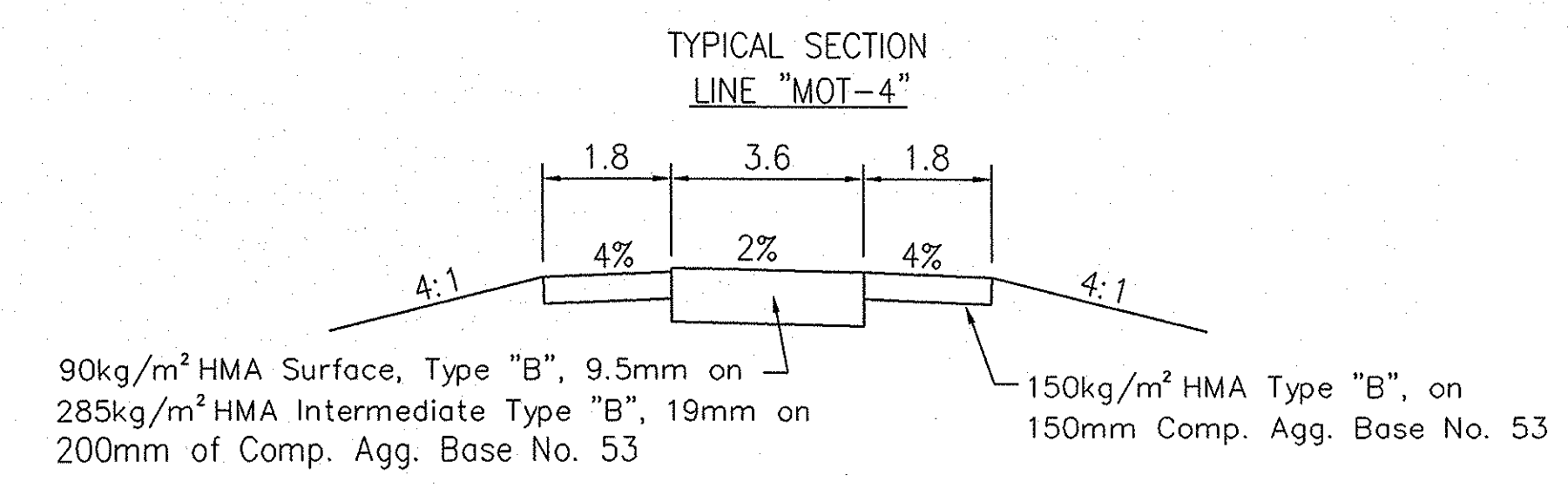
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NONE	
VERTICAL SCALE	DESIGNATION
	8461360
SURVEY BOOK	SHEETS
16722	47 of 196
CONTRACT	PROJECT
R26185	NH-075-3(014)

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- LEGEND**
- Direction of Traffic
  - ▨ Type III-A Barricade
  - ⊠ Phase 4 Construction
  - ④1 Temporary Pavement Marking, White, 100mm
  - ④2 Temporary Pavement Marking, Yellow, 100mm
  - ⊠ Standard Construction Sign w/Type "A" Warning Light
  - ⊠ Construction Warning Light Type "B"
  - ✕ Line, Remove

- PHASE IV NOTES**
1. Maintain Highway Traffic on Proposed Southbound U.S. 231.
  2. Construct Proposed Northbound US 231 Pavement Section, except for the surface course; from the Beginning of Project to STA. 5+400 "A"
  3. Remove Existing Crossovers used for Kentucky (KDOT) Project: FD04 030 8530 025 D.
  4. Remove Existing U.S. 231 from Sta. 3+352.8 to CR 350N.
- PHASE V NOTES**
1. Maintain Highway Traffic on Proposed U.S. 231.
  2. Place Surface on U.S. 231 Using Single Lane Closures and Flagger Operations.

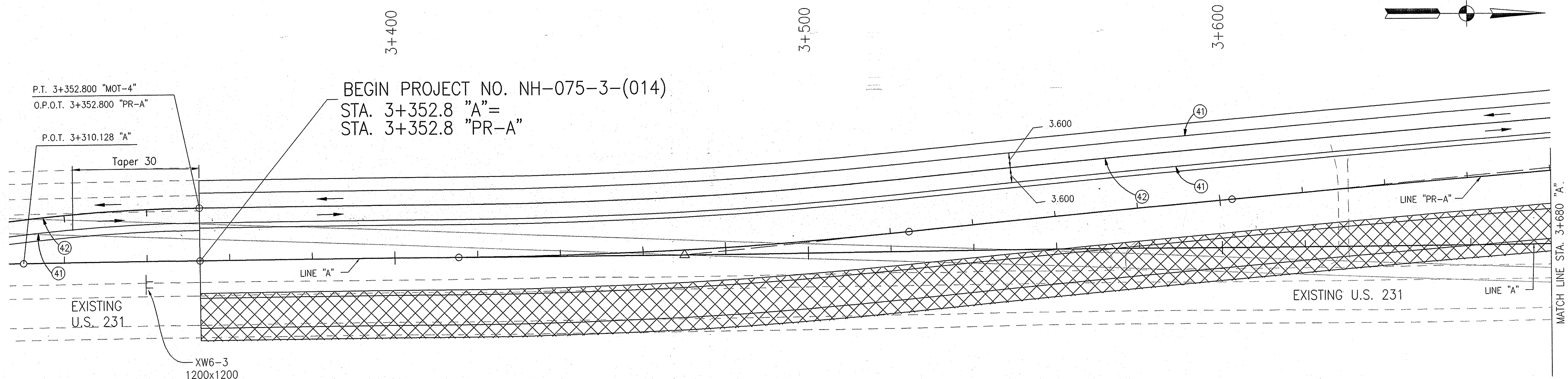


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NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.

CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

				RECOMMENDED FOR APPROVAL <i>Alan J. Delaney</i> 4/22/03 DESIGN ENGINEER DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>	HORIZONTAL SCALE 1:500 VERTICAL SCALE 	BRIDGE FILE DESIGNATION 8461360
				DESIGNED: MAT      DRAWN: JAG CHECKED: AJD      CHECKED: MAT	<b>MAINTENANCE OF TRAFFIC LINE "A" - U.S. 231 PHASE IV + V</b>	SURVEY BOOK 16722 CONTRACT R26185	SHEETS 48 of 194 PROJECT NH-075-3(014)



**Curve Data**  
 P.I. = 3+316.242 "MOT-4"  
 $\Delta$  = 10°00'00"  
 R = 420.000m  
 T = 36.745m  
 L = 73.304m  
 E = 1.604m  
 S.e. = NC

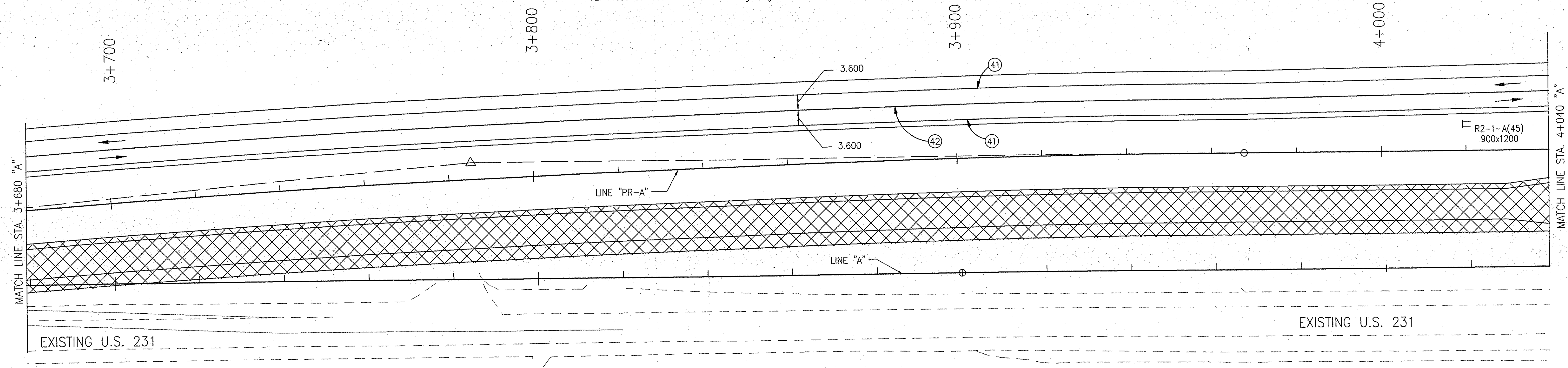
- LEGEND**
- Direction of Traffic
  - ▨ Type III-A Barricade
  - ▩ Phase 4 Construction
  - ⓪(41) Temporary Pavement Marking, White, 100mm
  - ⓪(42) Temporary Pavement Marking, Yellow, 100mm
  - ⓪ Standard Construction Sign w/Type "A" Warning Light
  - ⓪ Construction Warning Light Type "B"

**PHASE IV NOTES**

1. Maintain Highway Traffic on Proposed Southbound U.S. 231.
2. Construct Proposed Northbound US 231 Pavement Section, except for the surface course; from the Beginning of Project to STA. 5+400 "A"
3. Remove Existing Crossovers used for Kentucky (KDOT) Project: F004 030 8530 025 D.
4. Remove Existing U.S. 231 from Sta. 3+352.8 to CR 350N.

**PHASE V NOTES**

1. Maintain Highway Traffic on Proposed U.S. 231.
2. Place Surface on U.S. 231 Using Single Lane Closures and Flagger Operations.

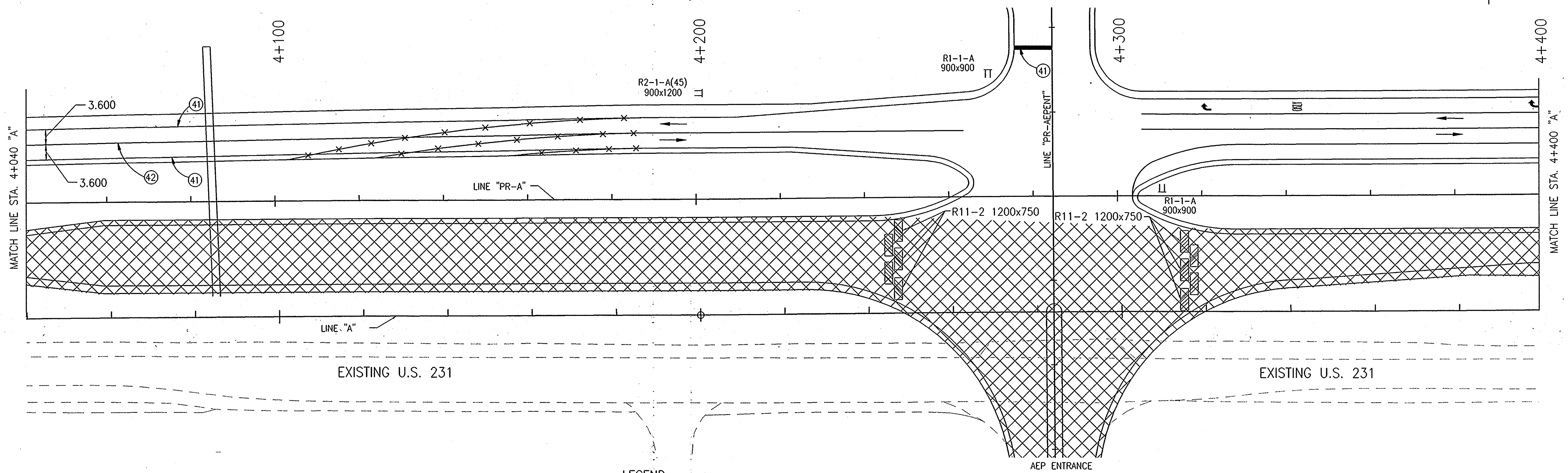
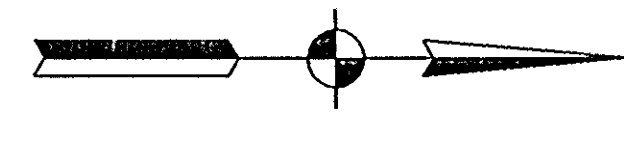


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NOTE:  
 ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
 CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

					RECOMMENDED FOR APPROVAL <i>Alan J. DeLanna</i> 4/22/03 DESIGN ENGINEER DATE		<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>		HORIZONTAL SCALE 1:500	BRIDGE FILE
					DESIGNED: MAT DRAWN: JAG	<b>MAINTENANCE OF TRAFFIC          LINE "A" - U.S. 231 PHASE IV + V</b>		VERTICAL SCALE	DESIGNATION 8461360	
					CHECKED: AJD CHECKED: MAT			SURVEY BOOK 16722	SHEETS 49 of 196	
									CONTRACT R26185	PROJECT NH-075-3(014)





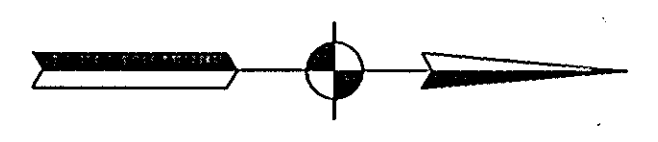
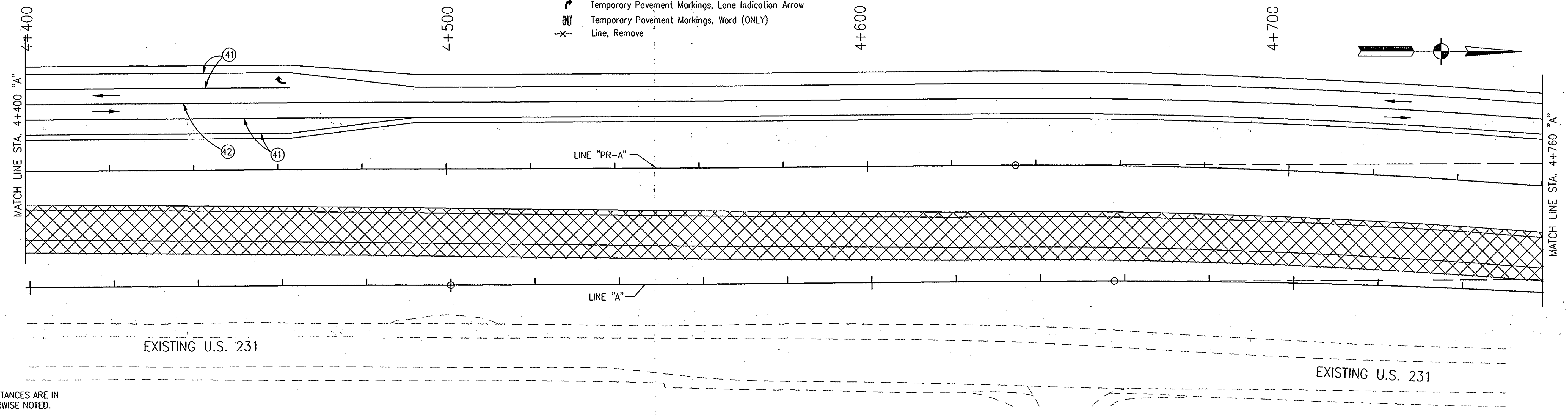
**PHASE IV NOTES**

1. Maintain Highway Traffic on Proposed Southbound U.S. 231.
2. Construct Proposed Northbound US 231 Pavement Section, except for the surface course; from the Beginning of Project to STA. 5+400 "A"
3. Remove Existing Crossovers used for Kentucky (KDOT) Project: FD04 030 8530 025 D.
4. Remove Existing U.S. 231 from Sta. 3+352.8 to CR 350N.

**PHASE V NOTES**

1. Maintain Highway Traffic on Proposed U.S. 231.
2. Place Surface on U.S. 231 Using Single Lane Closures and Flagger Operations.

- LEGEND**
- Direction of Traffic
  - ▨ Type III-A Barricade
  - ▩ Phase 4 Construction
  - ④① Temporary Pavement Marking, White, 100mm
  - ④② Temporary Pavement Marking, Yellow, 100mm
  - ④③ Temporary Pavement Marking, White, 600mm
  - ⊠ Standard Construction Sign w/Type "A" Warning Light
  - ⊠ Construction Warning Light Type "B"
  - ↔ Temporary Pavement Markings, Lane Indication Arrow
  - Ⓜ Temporary Pavement Markings, Word (ONLY)
  - x- Line, Remove

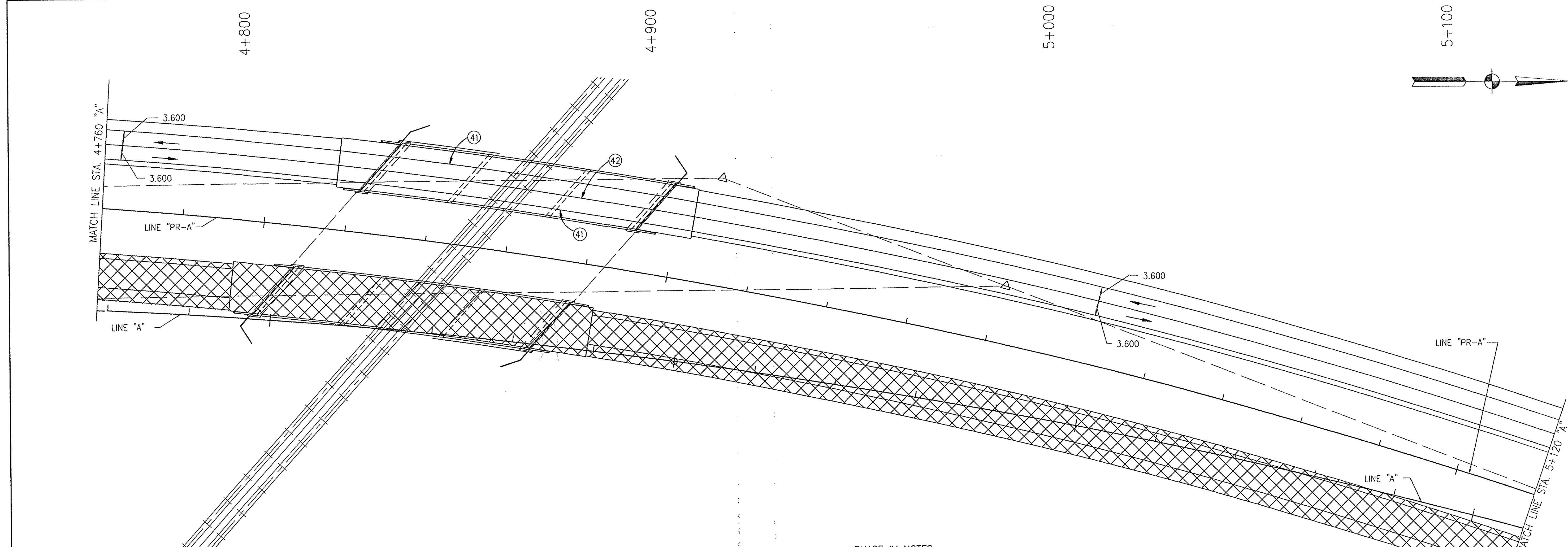


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NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

					RECOMMENDED FOR APPROVAL <i>Alan J. Delaney</i> 4/22/03 DESIGN ENGINEER DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>  <b>MAINTENANCE OF TRAFFIC</b> <b>LINE 'A' - U.S. 231 PHASE IV + V</b>	HORIZONTAL SCALE 1:500 VERTICAL SCALE BRIDGE FILE DESIGNATION 8461360	SURVEY BOOK 16722 CONTRACT R26185 SHEETS 50 of 196 PROJECT NH-075-3(014)
DESIGNED: MAT	DRAWN: JAG	CHECKED: AJD	CHECKED: MAT					

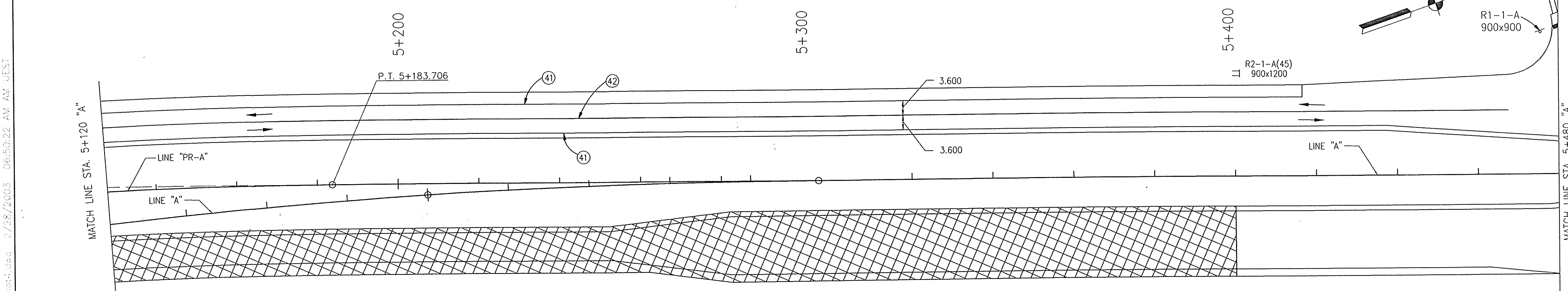




- LEGEND**
- Direction of Traffic
  - ▨ Type III-A Barricade
  - ▩ Phase 4 Construction
  - (41) Temporary Pavement Marking, White, 100mm
  - (42) Temporary Pavement Marking, Yellow, 100mm
  - ⊠ Standard Construction Sign w/Type "A" Warning Light
  - ⊡ Construction Warning Light Type "B"

- PHASE IV NOTES**
1. Maintain Highway Traffic on Proposed Southbound U.S. 231.
  2. Construct Proposed Northbound US 231 Pavement Section, except for the surface coarse; from the Beginning of Project to STA. 5+400 "A"
  3. Remove Existing Crossovers used for Kentucky (KDOT) Project: FD04 030 8530 025 D.
  4. Remove Existing U.S. 231 from Sta. 3+352.8 to CR 350N.

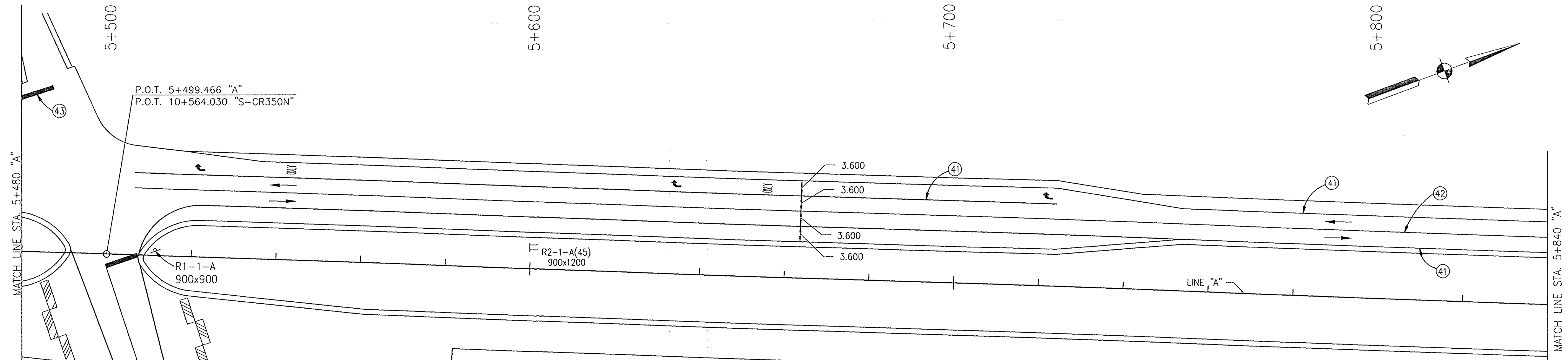
- PHASE V NOTES**
1. Maintain Highway Traffic on Proposed U.S. 231.
  2. Place Surface on U.S. 231 Using Single Lane Closures and Flagger Operations.



NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

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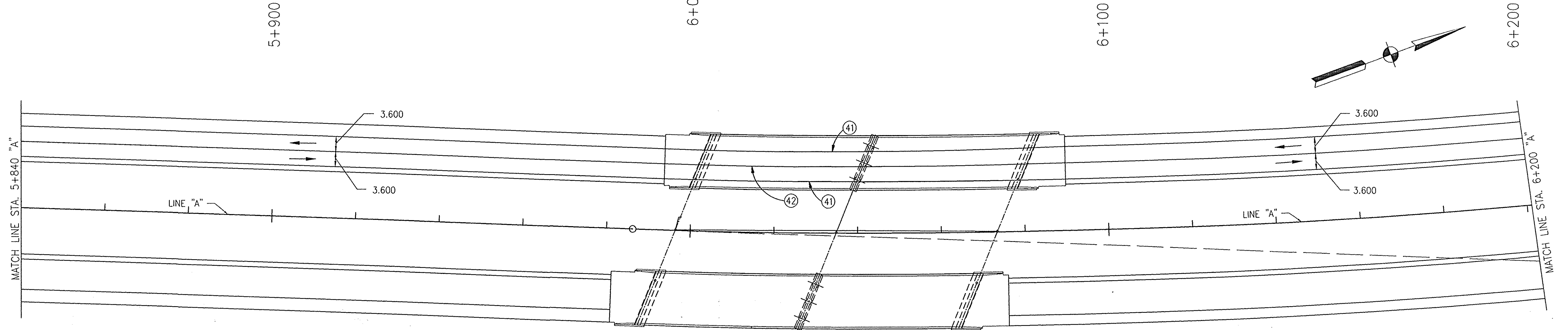
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					DESIGNED: MAT	DRAWN: JAG	MAINTENANCE OF TRAFFIC LINE "A" - U.S. 231 PHASE IV + V		VERTICAL SCALE	DESIGNATION 8461360
					CHECKED: AJD	CHECKED: MAT			SURVEY BOOK 16722	SHEETS 51 of 196
									CONTRACT R26185	PROJECT NH-075-3(014)



- LEGEND**
- Direction of Traffic
  - ▨ Type III-A Barricade
  - ⊗ Phase 4 Construction
  - ④① Temporary Pavement Marking, White, 100mm
  - ④② Temporary Pavement Marking, Yellow, 100mm
  - ④③ Temporary Pavement Marking, White, 600mm
  - ⊠ Standard Construction Sign w/Type "A" Warning Light
  - ⊠ Construction Warning Light Type "B"
  - ↔ Temporary Pavement Markings, Lane Indication Arrow
  - (NY) Temporary Pavement Markings, Word (ONLY)
  - ✗ Line, Remove

- PHASE IV NOTES**
- Maintain Highway Traffic on Proposed Southbound U.S. 231.
  - Construct Proposed Northbound US 231 Pavement Section, except for the surface course; from the Beginning of Project to STA. 5+400 "A"
  - Remove Existing Crossovers used for Kentucky (KDOT) Project: FD04 030 8530 025 D.
  - Remove Existing U.S. 231 from Sta. 3+352.8 to CR 350N.

- PHASE V NOTES**
- Maintain Highway Traffic on Proposed U.S. 231.
  - Place Surface on U.S. 231 Using Single Lane Closures and Flagger Operations.



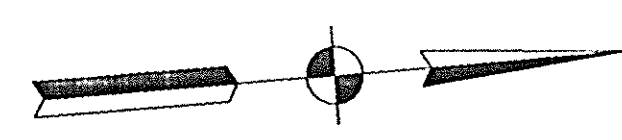
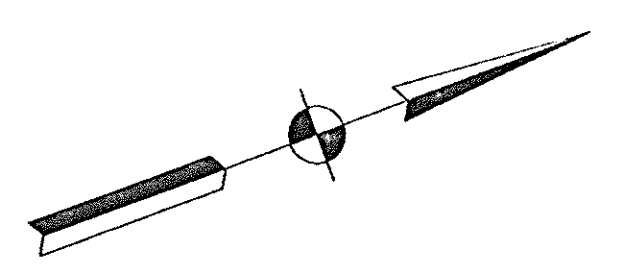
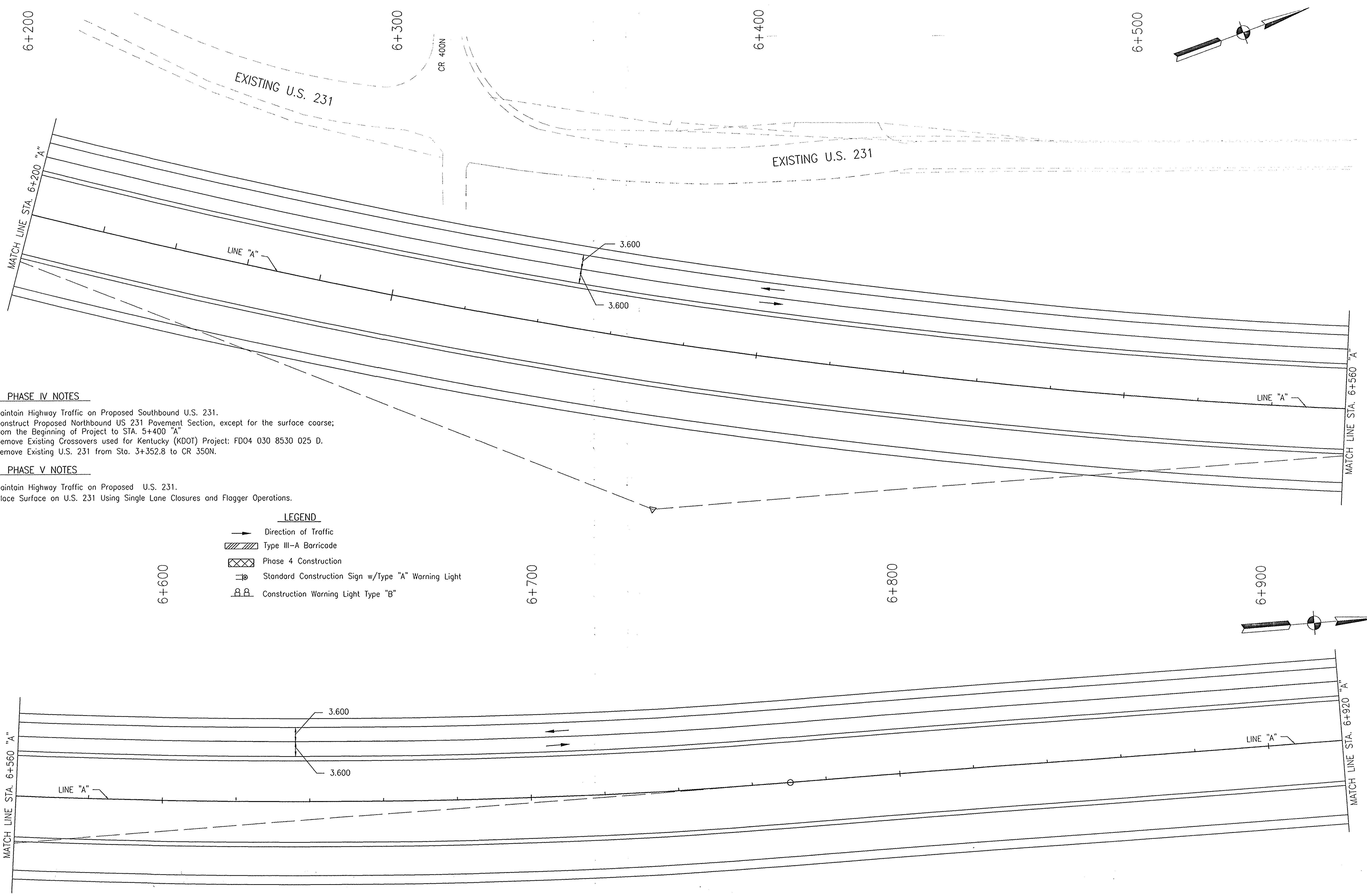
NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

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			RECOMMENDED FOR APPROVAL <i>Alan J. DeLaney</i> 4/22/03 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION  MAINTENANCE OF TRAFFIC LINE 'A' - U.S. 231 PHASE IV + V		HORIZONTAL SCALE 1:500	BRIDGE FILE
			DESIGNED: MAT CHECKED: AJD			DRAWN: JAG CHECKED: MAT	VERTICAL SCALE SURVEY BOOK 16722 CONTRACT R26185



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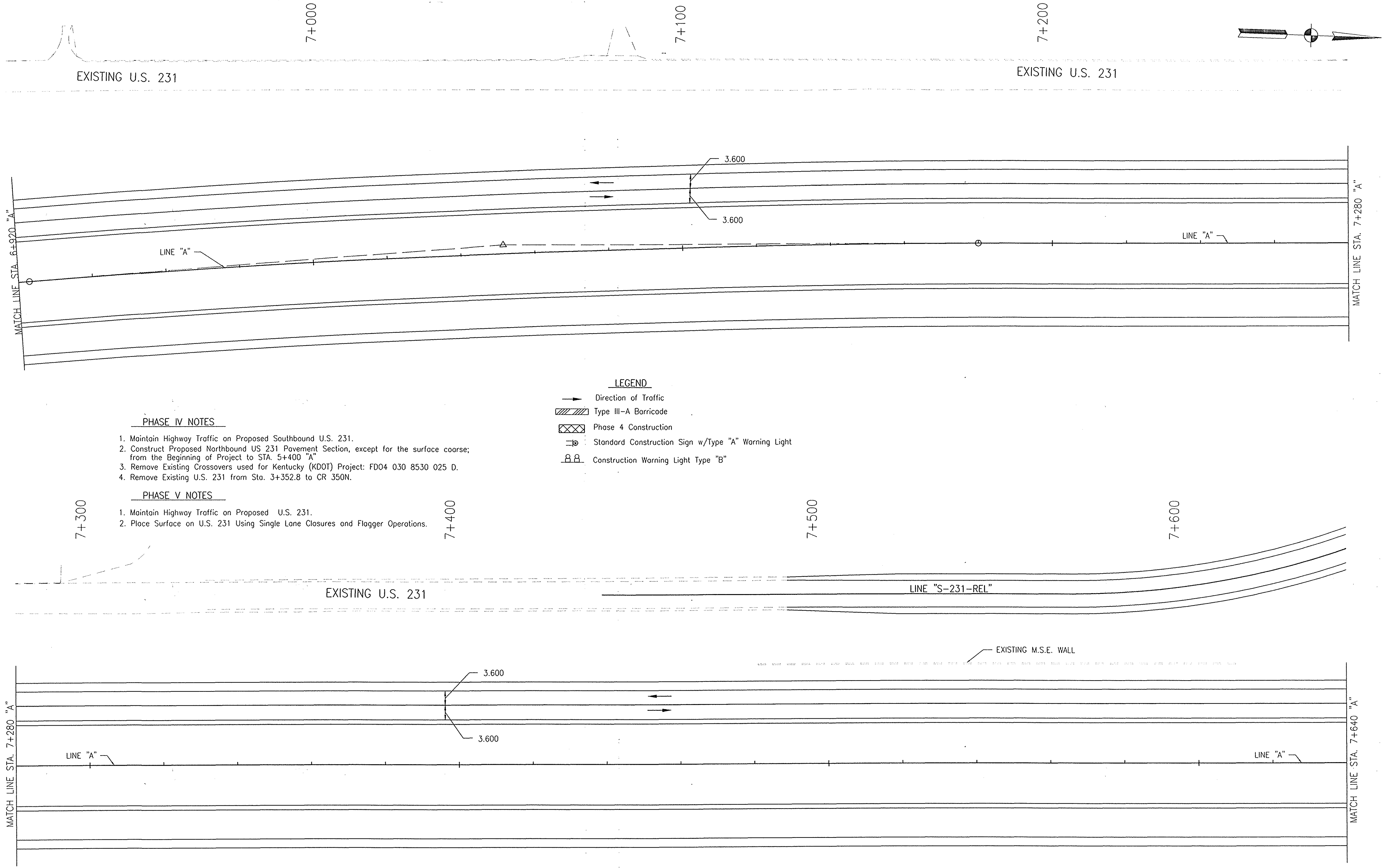
- PHASE IV NOTES**
1. Maintain Highway Traffic on Proposed Southbound U.S. 231.
  2. Construct Proposed Northbound US 231 Pavement Section, except for the surface course; from the Beginning of Project to STA. 5+400 "A"
  3. Remove Existing Crossovers used for Kentucky (KDOT) Project: FD04 030 8530 025 D.
  4. Remove Existing U.S. 231 from Sta. 3+352.8 to CR 350N.

- PHASE V NOTES**
1. Maintain Highway Traffic on Proposed U.S. 231.
  2. Place Surface on U.S. 231 Using Single Lane Closures and Flagger Operations.

- LEGEND**
- Direction of Traffic
  - ▨ Type III-A Barricade
  - ▣ Phase 4 Construction
  - ⊕ Standard Construction Sign w/Type "A" Warning Light
  - ⊗ Construction Warning Light Type "B"

NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

					RECOMMENDED FOR APPROVAL <i>Alan J. DeLaney</i> 4/22/03 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1:500	BRIDGE FILE 8461360
					DESIGNED: MAT      DRAWN: JAG CHECKED: AJD      CHECKED: MAT	MAINTENANCE OF TRAFFIC LINE 'A' - U.S. 231 PHASE IV + V	VERTICAL SCALE .	DESIGNATION 8461360
							SURVEY BOOK 16722	SHEETS 53 of 196
							CONTRACT R26185	PROJECT NH-075-3(014)



**PHASE IV NOTES**

1. Maintain Highway Traffic on Proposed Southbound U.S. 231.
2. Construct Proposed Northbound US 231 Pavement Section, except for the surface course; from the Beginning of Project to STA. 5+400 "A"
3. Remove Existing Crossovers used for Kentucky (KDOT) Project: F004 030 8530 025 D.
4. Remove Existing U.S. 231 from Sta. 3+352.8 to CR 350N.

**PHASE V NOTES**

1. Maintain Highway Traffic on Proposed U.S. 231.
2. Place Surface on U.S. 231 Using Single Lane Closures and Flogger Operations.

**LEGEND**

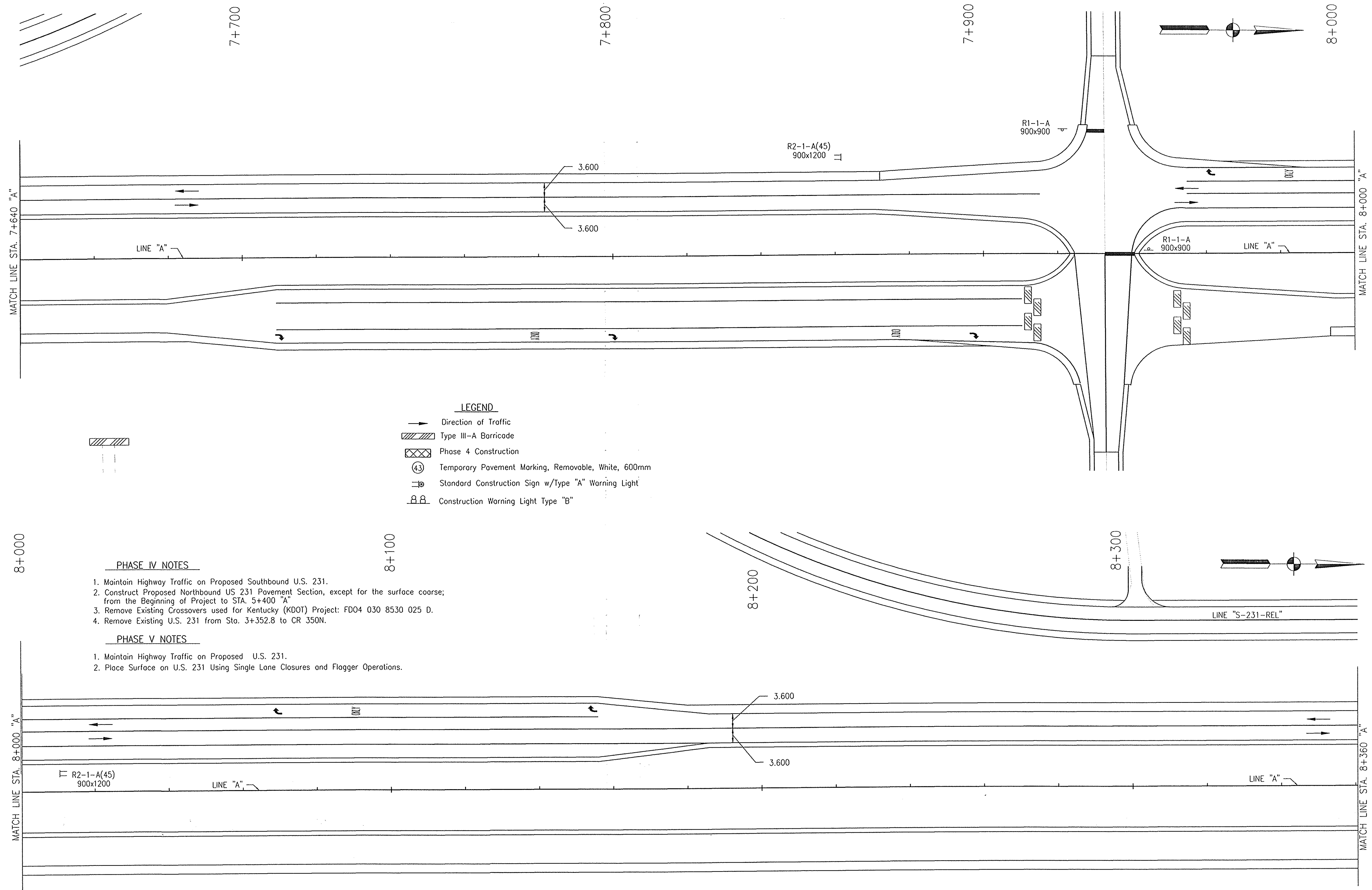
- Direction of Traffic
- ▨ Type III-A Barricade
- ⊗ Phase 4 Construction
- ⊠ Standard Construction Sign w/Type "A" Warning Light
- ⊡ Construction Warning Light Type "B"

NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

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					RECOMMENDED FOR APPROVAL: <i>Alan J. Delaney</i> 4/22/03 DESIGN ENGINEER DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>	HORIZONTAL SCALE 1:500 VERTICAL SCALE BRIDGE FILE
					DESIGNED: MAT DRAWN: JAG CHECKED: AJD CHECKED: MAT	<b>MAINTENANCE OF TRAFFIC</b> <b>LINE 'A' - U.S. 231 PHASE IV + V</b>	SURVEY BOOK 16722 CONTRACT R26185 SHEETS 54 of 196 PROJECT NH-075-3(014)





- LEGEND**
- Direction of Traffic
  - ▨ Type III-A Barricade
  - ▣ Phase 4 Construction
  - Ⓞ Temporary Pavement Marking, Removable, White, 600mm
  - Ⓜ Standard Construction Sign w/Type "A" Warning Light
  - Ⓜ Construction Warning Light Type "B"

- PHASE IV NOTES**
1. Maintain Highway Traffic on Proposed Southbound U.S. 231.
  2. Construct Proposed Northbound US 231 Pavement Section, except for the surface course; from the Beginning of Project to STA. 5+400 "A"
  3. Remove Existing Crossovers used for Kentucky (KDOT) Project: FD04 030 8530 025 D.
  4. Remove Existing U.S. 231 from Sta. 3+352.8 to CR 350N.

- PHASE V NOTES**
1. Maintain Highway Traffic on Proposed U.S. 231.
  2. Place Surface on U.S. 231 Using Single Lane Closures and Flagger Operations.

NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

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					RECOMMENDED FOR APPROVAL <i>Alan J. DeLaunay</i> 4/22/03 DESIGN ENGINEER DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>	HORIZONTAL SCALE 1:500 VERTICAL SCALE	BRIDGE FILE DESIGNATION 8461360
					DESIGNED: MAT      DRAWN: JAG CHECKED: AJD      CHECKED: MAT	<b>MAINTENANCE OF TRAFFIC LINE "A" - U.S. 231 PHASE IV + V</b>	SURVEY BOOK 16722 CONTRACT R26185	SHEETS 55 of 196 PROJECT NH-075-3(014)

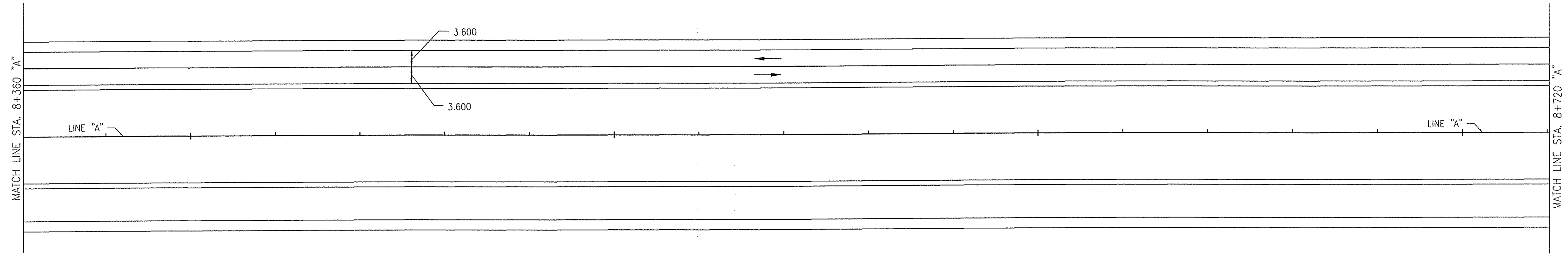
8+400

8+500

8+600

8+700

LINE "S-231-REL" EXISTING U.S. 231 EXISTING U.S. 231

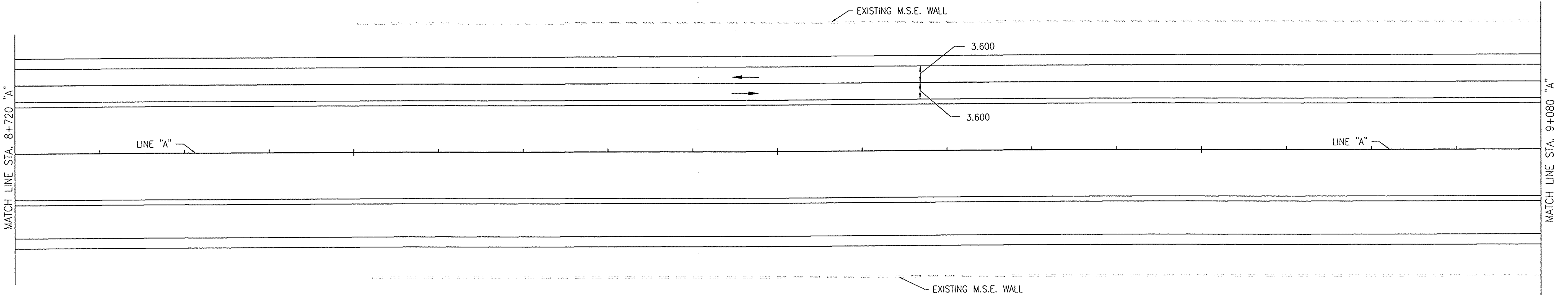


8+800

8+900

9+000

EXISTING U.S. 231 EXISTING U.S. 231



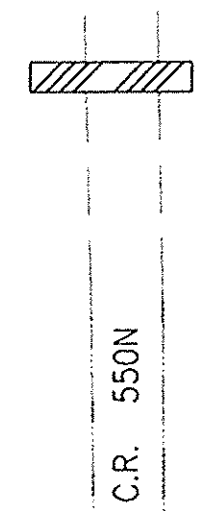
PHASE IV NOTES

1. Maintain Highway Traffic on Proposed Southbound U.S. 231.
2. Construct Proposed Northbound US 231 Pavement Section, except for the surface course; from the Beginning of Project to STA. 5+400 "A"
3. Remove Existing Crossovers used for Kentucky (KDOT) Project: FD04 030 8530 025 D.
4. Remove Existing U.S. 231 from Sta. 3+352.8 to CR 350N.

PHASE V NOTES

1. Maintain Highway Traffic on Proposed U.S. 231.
2. Place Surface on U.S. 231 Using Single Lane Closures and Flagger Operations.

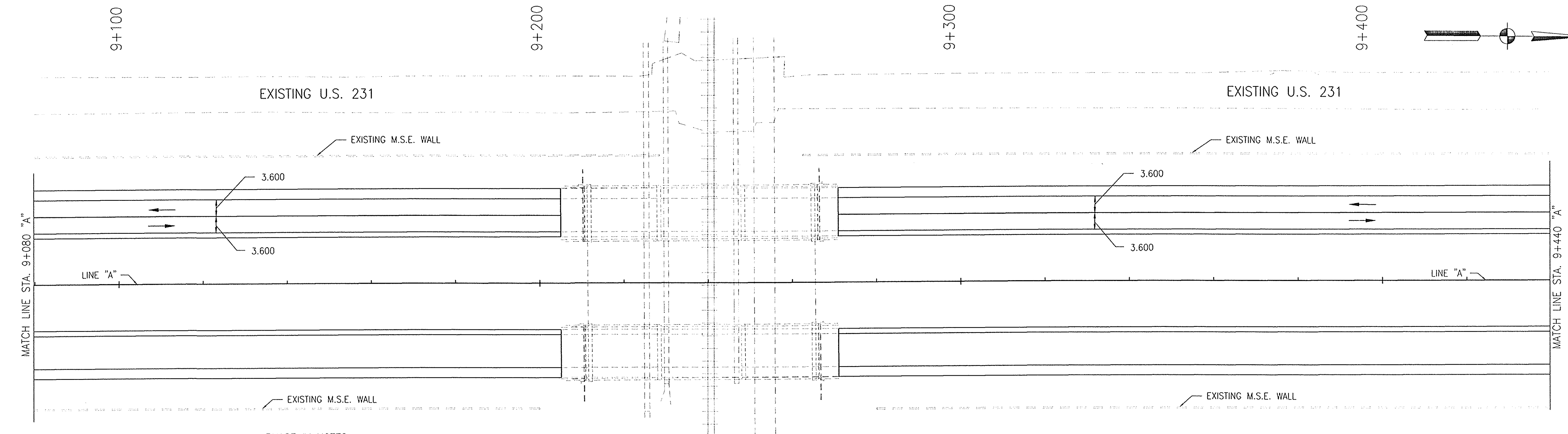
NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)



- LEGEND**
- Direction of Traffic
  - ▨ Type III-A Barricade
  - ▣ Phase 4 Construction
  - ⊠ Standard Construction Sign w/Type "A" Warning Light
  - ⊡ Construction Warning Light Type "B"

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						RECOMMENDED FOR APPROVAL <i>Alan J. DeLaune</i> 4/22/03 DESIGN ENGINEER DATE		INDIANA DEPARTMENT OF TRANSPORTATION  MAINTENANCE OF TRAFFIC LINE "A" - U.S. 231 PHASE IV + V		HORIZONTAL SCALE 1:500 VERTICAL SCALE SURVEY BOOK 16722 CONTRACT R26185		BRIDGE FILE 8461360 DESIGNATION SHEETS 56 of 196 PROJECT NH-075-3(014)	
DESIGNED: MAT	CHECKED: AJD	DRAWN: JAG	CHECKED: MAT										



**PHASE IV NOTES**

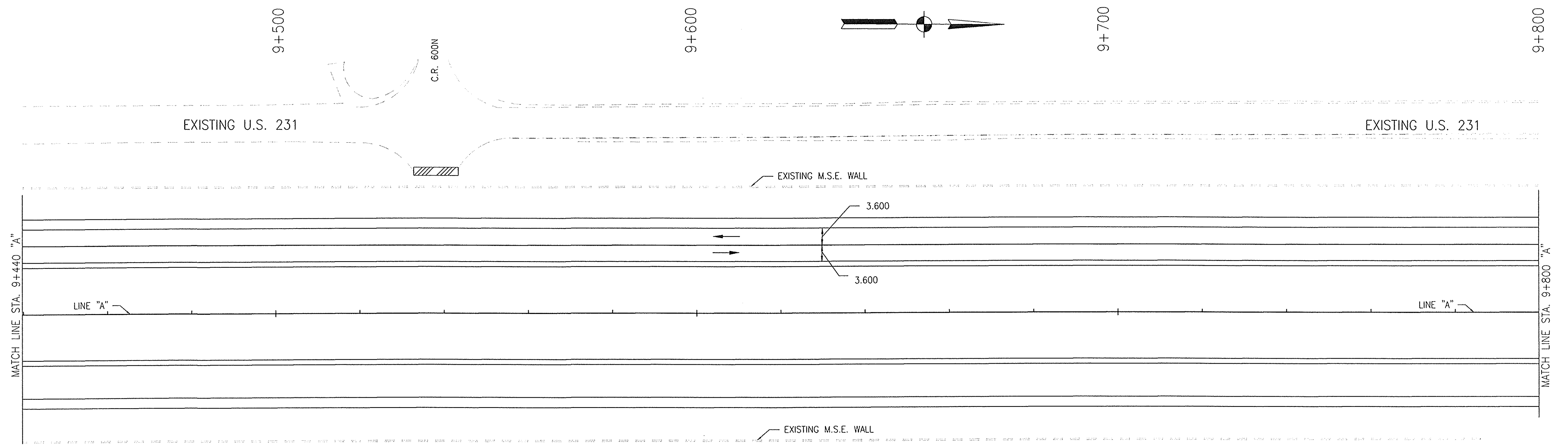
1. Maintain Highway Traffic on Proposed Southbound U.S. 231.
2. Construct Proposed Northbound US 231 Pavement Section, except for the surface course; from the Beginning of Project to STA. 5+400 "A"
3. Remove Existing Crossovers used for Kentucky (KDOT) Project: F004 030 8530 025 D.
4. Remove Existing U.S. 231 from Sta. 3+352.8 to CR 350N.

**PHASE V NOTES**

1. Maintain Highway Traffic on Proposed U.S. 231.
2. Place Surface on U.S. 231 Using Single Lane Closures and Flagger Operations.

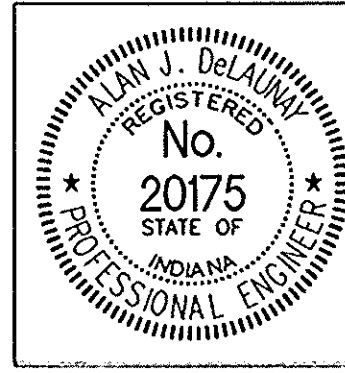
**LEGEND**

- Direction of Traffic
- Type III-A Barricade
- Phase 4 Construction
- Standard Construction Sign w/Type "A" Warning Light
- Construction Warning Light Type "B"



NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

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RECOMMENDED FOR APPROVAL: *Alan J. DeLaunay* 4/22/03  
DESIGN ENGINEER DATE

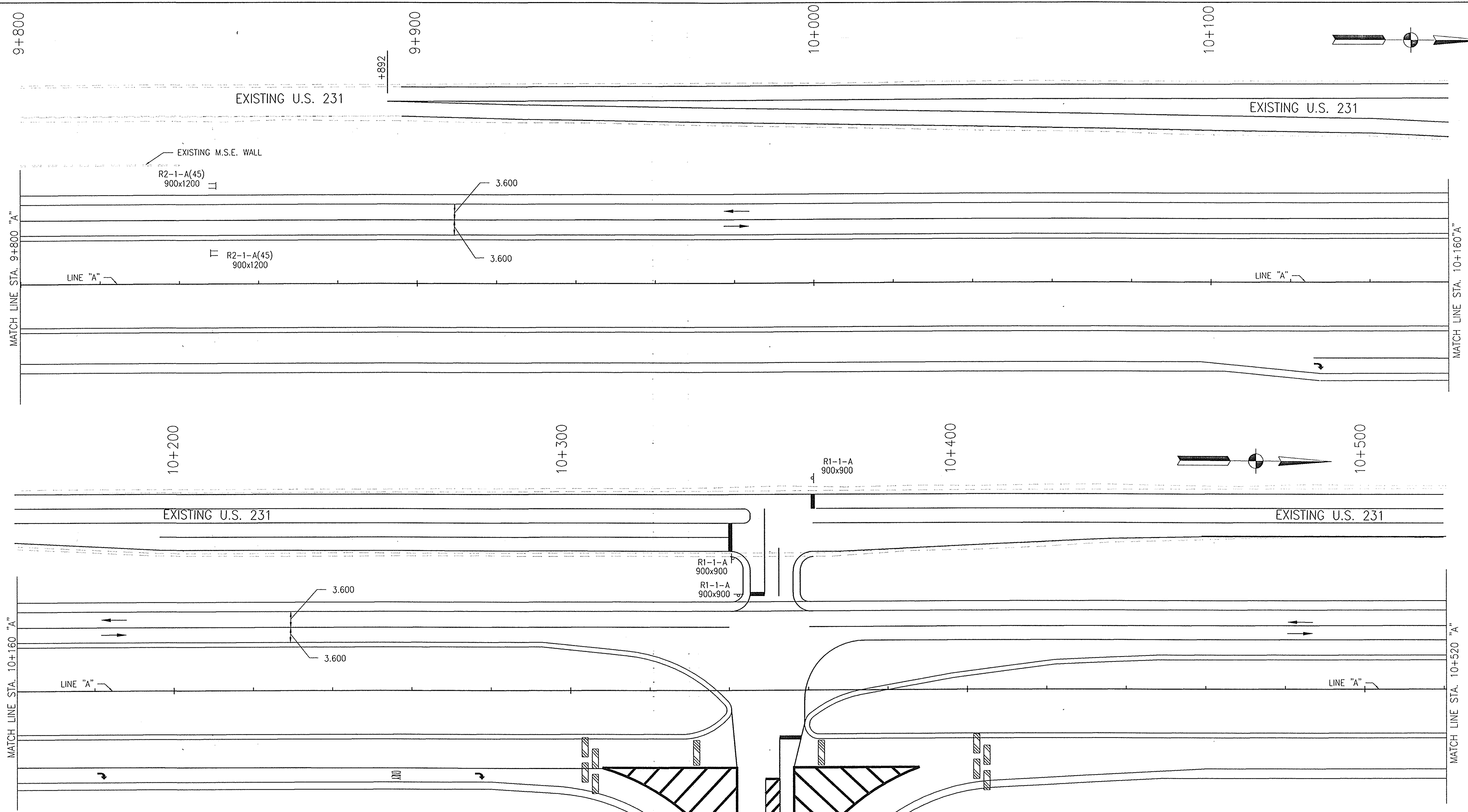
DESIGNED: MAT DRAWN: JAG  
CHECKED: AJD CHECKED: MAT

**INDIANA DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
LINE "A" - U.S. 231 PHASE IV + V**

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE	DESIGNATION 8461360
SURVEY BOOK 16722	SHEETS 57 of 196
CONTRACT R26185	PROJECT NH-075-3(014)





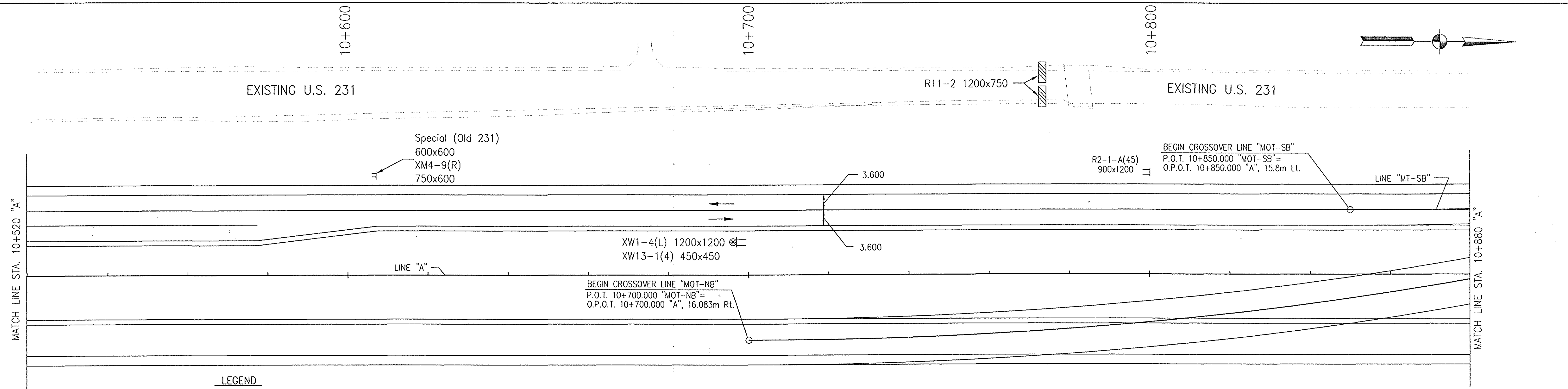
- LEGEND**
- Direction of Traffic
  - ▨ Type III-A Barricade
  - ▣ Phase 4 Construction
  - ⊠ Standard Construction Sign w/Type "A" Warning Light
  - ⊡ Construction Warning Light Type "B"

- PHASE IV NOTES**
- Maintain Highway Traffic on Proposed Southbound U.S. 231.
  - Construct Proposed Northbound US 231 Pavement Section, except for the surface course; from the Beginning of Project to STA. 5+400 "A"
  - Remove Existing Crossovers used for Kentucky (KDOT) Project: FD04 030 8530 025 D.
  - Remove Existing U.S. 231 from Sta. 3+352.8 to CR 350N.
- PHASE V NOTES**
- Maintain Highway Traffic on Proposed U.S. 231.
  - Place Surface on U.S. 231 Using Single Lane Closures and Flogger Operations.

NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

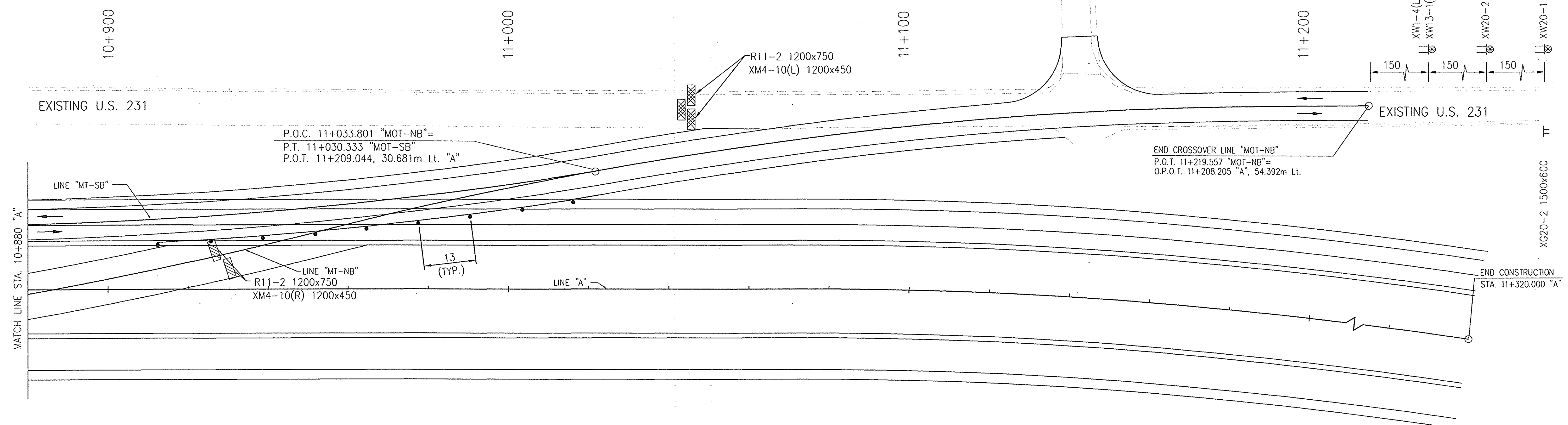
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					RECOMMENDED FOR APPROVAL <i>Alan J. DeLaney</i> 4/22/03 DESIGN ENGINEER DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>  <b>MAINTENANCE OF TRAFFIC</b> <b>LINE 'A' - U.S. 231 PHASE IV + V</b>	HORIZONTAL SCALE 1:500 VERTICAL SCALE SURVEY BOOK 16722 CONTRACT R26185	BRIDGE FILE DESIGNATION 8461360 SHEETS 58 of 196 PROJECT NH-075-3(014)
					DESIGNED: MAT      DRAWN: JAG CHECKED: AJD      CHECKED: MAT			



- LEGEND**
- Direction of Traffic
  - ▨ Type III-A Barricade
  - ▩ Type III-B Barricade
  - ⊕ Standard Construction Sign w/Type "A" Warning Light
  - ⊗ Phase 4 Construction
  - ⊞ Construction Warning Light Type "B"
  - Channelling Device

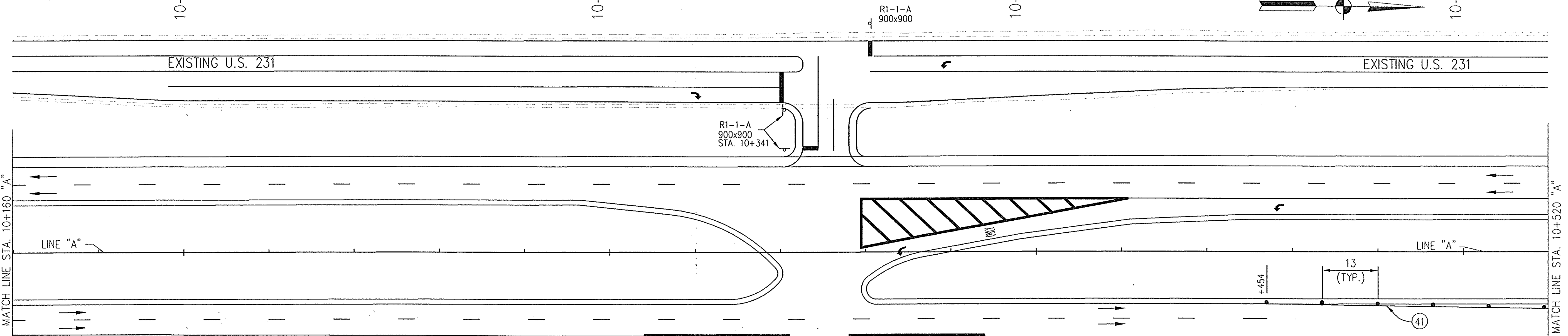
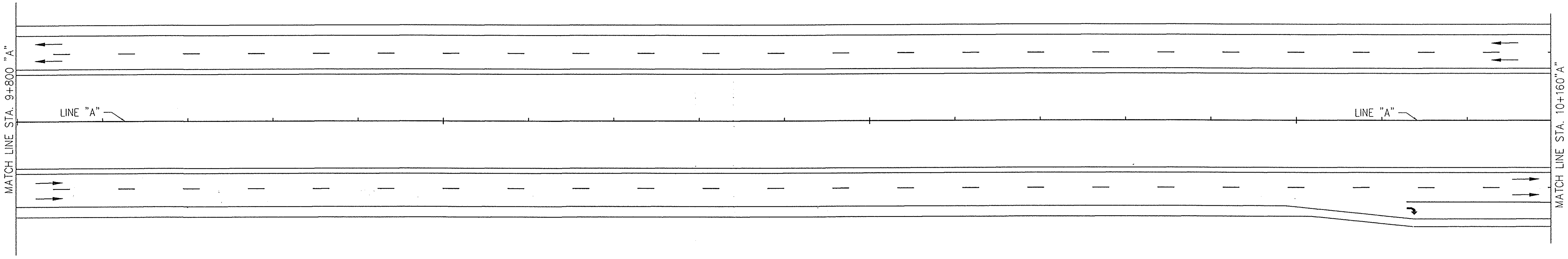
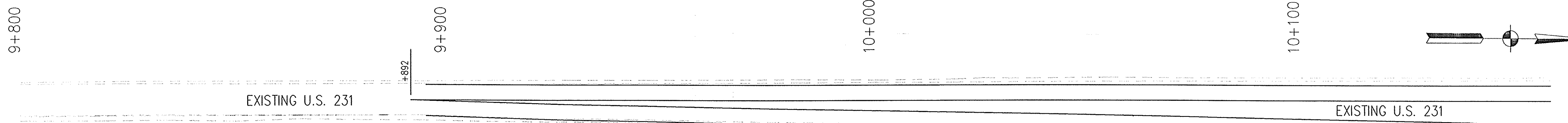
- PHASE IV NOTES**
- Maintain Highway Traffic on Proposed Southbound U.S. 231.
  - Construct Proposed Northbound US 231 Pavement Section, except for the surface course; from the Beginning of Project to STA. 5+400 "A"
  - Remove Existing Crossovers used for Kentucky (KDOT) Project: F004 030 8530 025 D.
  - Remove Existing U.S. 231 from Sta. 3+352.8 to CR 350N.
- PHASE V NOTES**
- Maintain Highway Traffic on Proposed U.S. 231.
  - Place Surface on U.S. 231 Using Single Lane Closures and Flagger Operations.



NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.  
CONSTRUCTION ZONE SPEED LIMIT SHALL BE 45 mph (70kph)

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					RECOMMENDED FOR APPROVAL <i>Alan J. DeLaney</i> 4/22/03 DESIGN ENGINEER DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>  <b>MAINTENANCE OF TRAFFIC</b> <b>LINE 'A' - U.S. 231 PHASE IV + V</b>	HORIZONTAL SCALE 1:500 VERTICAL SCALE BRIDGE FILE DESIGNATION 8461360	SURVEY BOOK 16722 CONTRACT R26185 SHEETS 59 of 196 PROJECT NH-075-3(014)
DESIGNED: MAT	DRAWN: JAG	CHECKED: AJD	CHECKED: MAT					



- PHASE VI NOTES**
1. Maintain Highway Traffic on Proposed U.S. 231.
  2. Maintain Temporary Connections to Existing U.S. 231 at the North end of the project.
  3. Remove Crossovers at the beginning of the project.
  4. Signs & Pavement Markings to be as shown on Sign Plans and Pavement Marking Sheets except in conflicts where MOT sheets shall Govern.
  5. Traffic will be maintained in this configuration until completion of Phase 1B or as directed by the Phase 1B plans.
  6. Temporary Connection from Existing 231 to U.S. 231 to be Removed Once Phase 1B is Completed.

- LEGEND**
- Direction of Traffic
  - ▨ Type III-A Barricade
  - ⓪ Temporary Pavement Marking, White, 100mm
  - Ⓜ Standard Construction Sign w/Type "A" Warning Light
  - Ⓜ Construction Warning Light Type "B"
  - Channeling Device

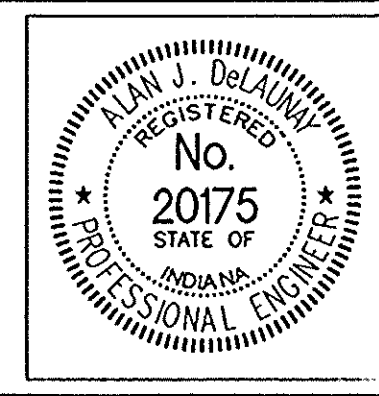
- W1-4-A(L) 900x900
- W13-1-A(45) 600x600
- STA. 10+477

**Sign Summary for Phase VI**

LOCATION	CODE	SIZE	ENCAPSULATED LENS METAL THICKNESS & SIGNS ARE		TYPE 2 SQUARE POST, REINFORCED ANCHOR BASE (57.2mm x 57.2mm x 2.66mm)		
			2.0 mm	2.5 mm	1	2	TOTAL
10+250	W4-2-A(L)	1200x1200		1.44 m <sup>2</sup>	4.3 m	4.4 m	8.7 m
10+341	R1-1-A	900x900		0.67 m <sup>2</sup>	4.1 m	4.2 m	8.3 m
10+477	W1-4-A(L)	900x900		0.81 m <sup>2</sup>	4.3 m	4.4 m	8.7 m
	W13-1-A(45)	600x600	0.36 m <sup>2</sup>				
10+910	W6-1-A	1200x1200		1.44 m <sup>2</sup>	4.3 m	4.4 m	8.7 m
11+053	W6-3-A	900x900		0.81 m <sup>2</sup>	4.3 m	4.4 m	8.7 m
EXIST. 231	R1-1-A	900x900		0.81 m <sup>2</sup>	4.1 m	4.2 m	8.3 m
EXIST. 231	R1-1-A	900x900		0.81 m <sup>2</sup>	4.1 m	4.2 m	8.3 m
	<b>TOTAL</b>		0.36 m <sup>2</sup>	6.99 m <sup>2</sup>			59.7 m

NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.

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RECOMMENDED FOR APPROVAL *Alan J. DeLaney* 4/22/03  
DESIGN ENGINEER DATE

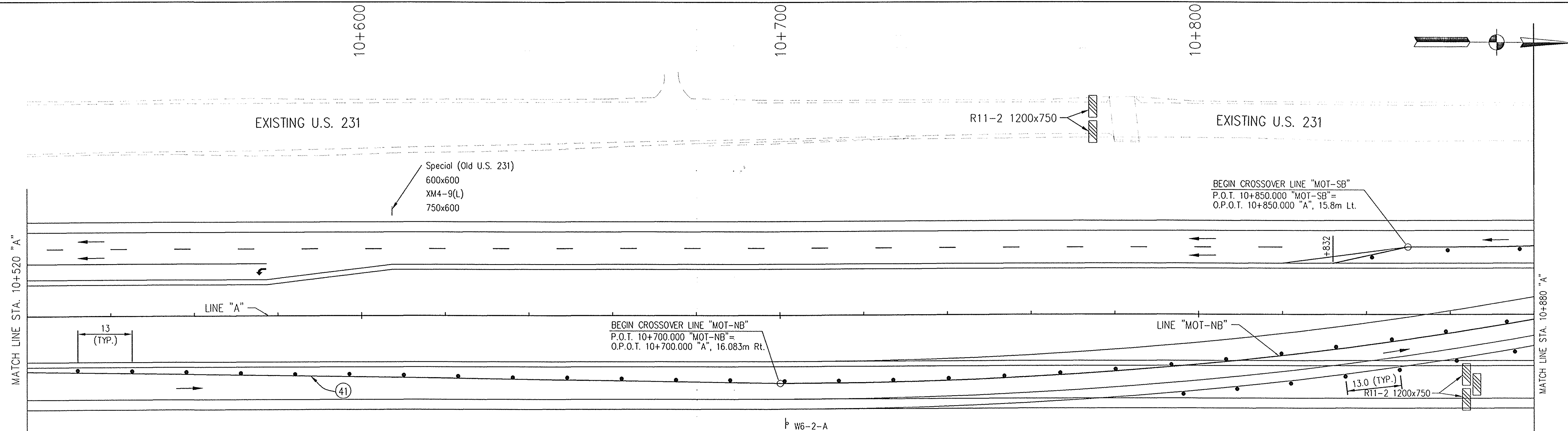
DESIGNED: MAT DRAWN: JAG  
CHECKED: AJD CHECKED: MAT

INDIANA DEPARTMENT OF TRANSPORTATION

**MAINTENANCE OF TRAFFIC LINE "A" - U.S. 231 PHASE VI**

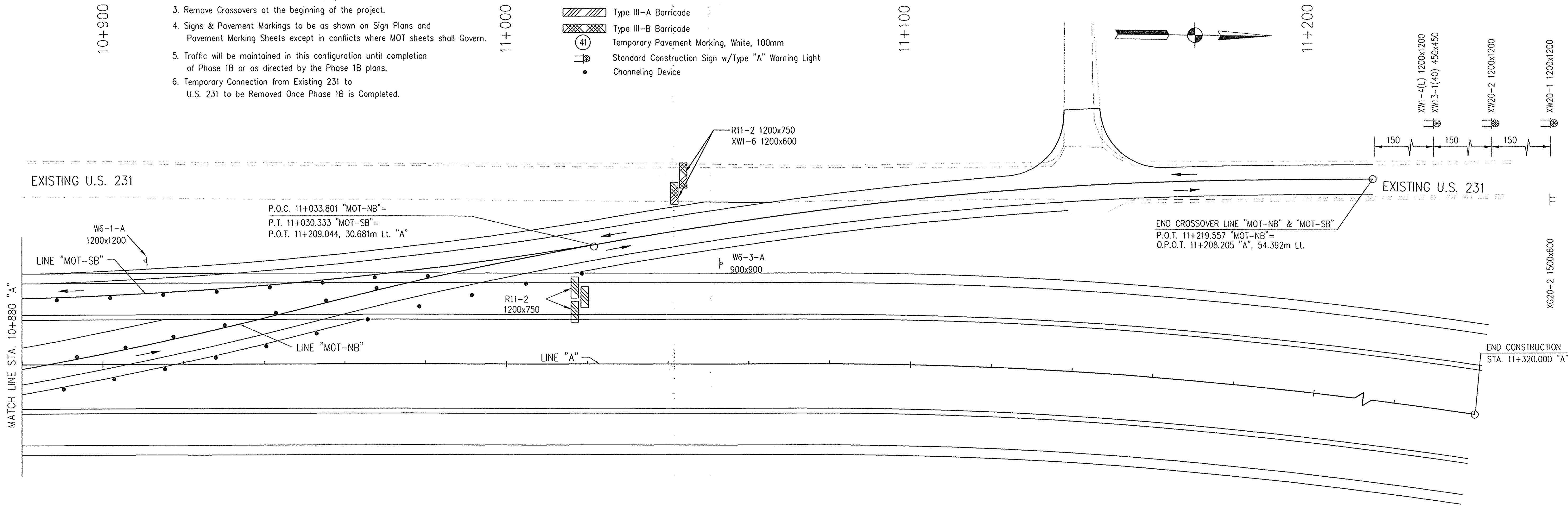
HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE	DESIGNATION 8461360
SURVEY BOOK 16722	SHEETS 60 of 196
CONTRACT R26185	PROJECT NH-075-3(014)





- PHASE VI NOTES**
1. Maintain Highway Traffic on Proposed U.S. 231.
  2. Maintain Temporary Connections to Existing U.S. 231 at the North end of the project.
  3. Remove Crossovers at the beginning of the project.
  4. Signs & Pavement Markings to be as shown on Sign Plans and Pavement Marking Sheets except in conflicts where MOT sheets shall Govern.
  5. Traffic will be maintained in this configuration until completion of Phase 1B or as directed by the Phase 1B plans.
  6. Temporary Connection from Existing 231 to U.S. 231 to be Removed Once Phase 1B is Completed.

- LEGEND**
- Direction of Traffic
  - ▨ Type III-A Barricade
  - ▩ Type III-B Barricade
  - (41) Temporary Pavement Marking, White, 100mm
  - ⊗ Standard Construction Sign w/Type "A" Warning Light
  - Channeling Device

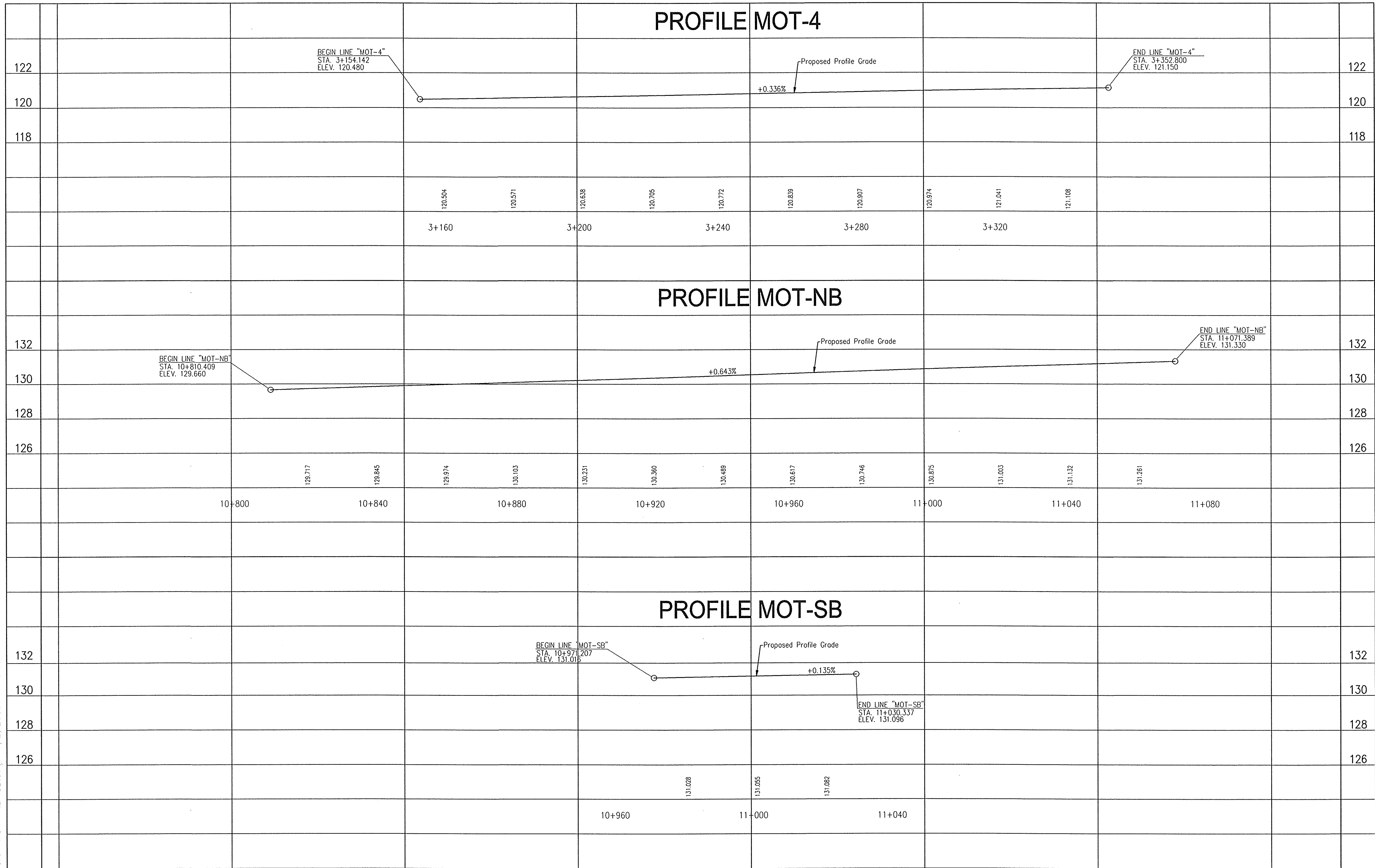


NOTE:  
ALL MEASUREMENT/DISTANCES ARE IN METERS UNLESS OTHERWISE NOTED.

A:\9501\mot\mot\_phase6\mot6\_is.dwg 2/24/2003 1:41:51 PM WEST

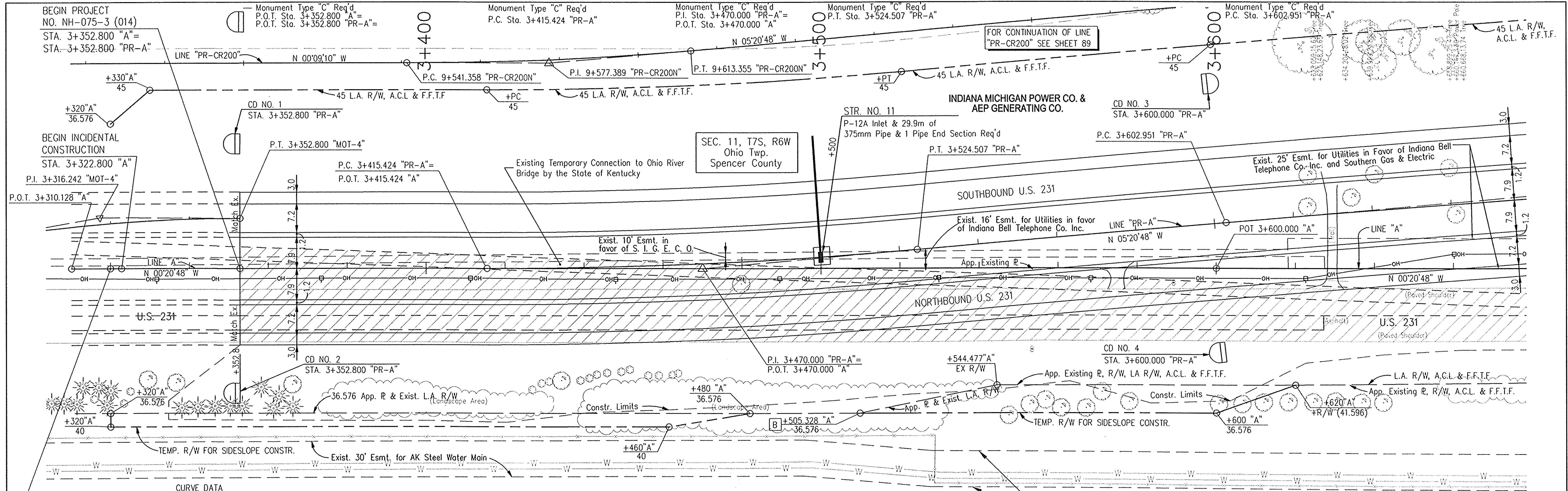
					RECOMMENDED FOR APPROVAL: <i>Alan J. Delaney</i> 4/22/03 <small>DESIGN ENGINEER DATE</small>	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>	HORIZONTAL SCALE 1:500 VERTICAL SCALE 	BRIDGE FILE DESIGNATION 8461360
					DESIGNED: MAT      DRAWN: JAG CHECKED: AJD      CHECKED: MAT	<b>MAINTENANCE OF TRAFFIC LINE "A" - U.S. 231 PHASE VI</b>	SURVEY BOOK 16722 CONTRACT R26185	SHEETS 61 of 196 PROJECT NH-075-3(014)

E:\98011\road\exp23\ref\ref-MOT4-NB-SB.dwg 4/2/2003 1:13:09 PM UEST



					RECOMMENDED FOR APPROVAL <i>Alan J. Delaney</i> 4/2/03 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1:500	BRIDGE FILE
					DESIGNED: MAT      DRAWN: JRG CHECKED: AJD      CHECKED: AJD	<b>PROFILES</b> LINE "MOT-4, MOT-NB, MOT-SB" - U.S. 231	VERTICAL SCALE 1:100	DESIGNATION 8461360
							SURVEY BOOK 16722	SHEETS 62 of 196
							CONTRACT R 26185	PROJECT NH-075-3(014)





**NOTE:** FOR M.O.T. PROFILES, SEE SHEET 62

**LEGEND**  
 [B] Begin L.A. R/W  
 [E] End L.A. R/W

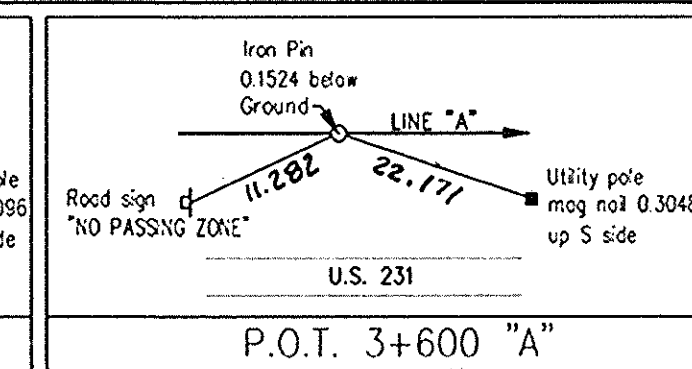
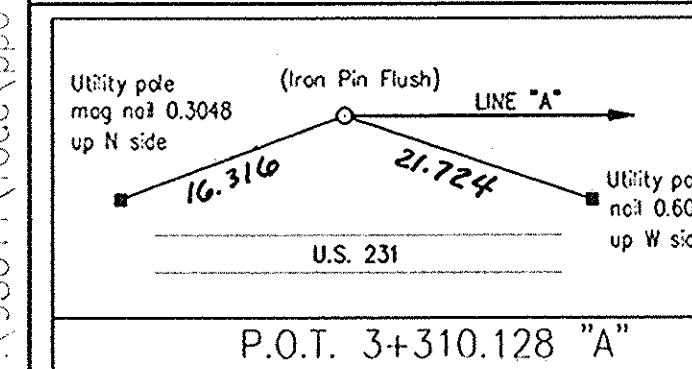
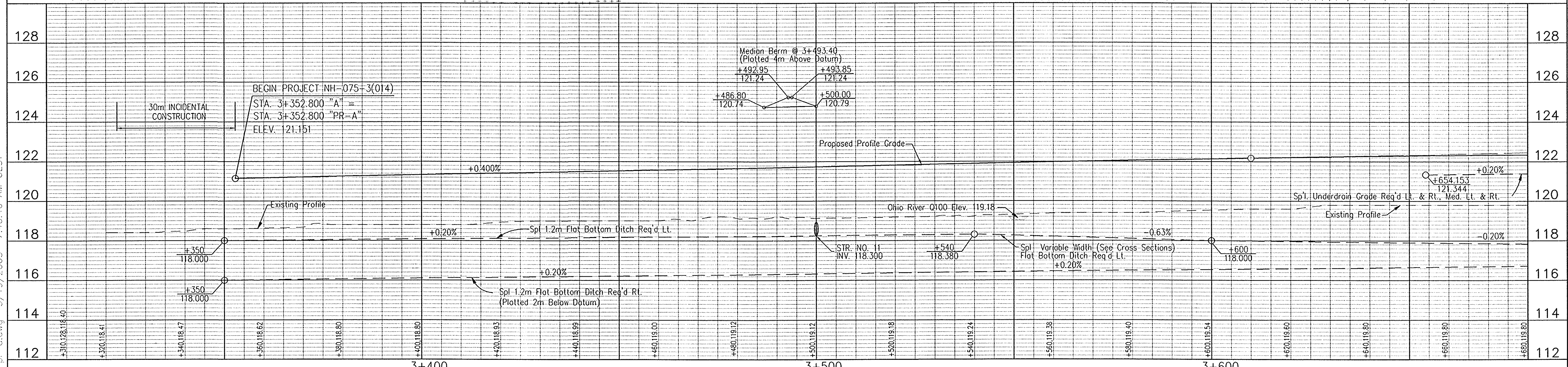
**NOTE:** All measurement/distances are in meters unless otherwise indicated. ALL R/W DESCRIBED FROM LINE "PR-A" EXCEPT AS SHOWN. LIMITED ACCESS R/W PROVISIONS TO APPLY WHERE INDICATED.

**NOTE:** LINE "PR-A" TO BE CONSTRUCTED

**NOTE:** CURVE DATA  
 P.I. = 3+470.000 "PR-A"  
 Δ = 5'00"00" Lt.  
 R = 1250.000  
 T = 54.576  
 L = 109.083  
 E = 1.191  
 Se = 4.60%

**NOTE:** CURVE DATA  
 P.I. = 3+316.242 "MOT-4"  
 Δ = 10'00"00" Rt.  
 R = 420.000  
 T = 36.745  
 L = 73.304  
 E = 1.604  
 Se = NC

**NOTE:** CURVE DATA  
 P.I. = 3+785.454 "PR-A"  
 Δ = 5'00"00" Rt.  
 R = 4180.000  
 T = 182.503  
 L = 364.774  
 E = 3.982  
 Se = NC



RECOMMENDED FOR APPROVAL  
*Alan J. Delaney* 4/22/03  
 DESIGN ENGINEER DATE

DESIGNED: JMM DRAWN: RGS  
 CHECKED: AJD CHECKED: AJD

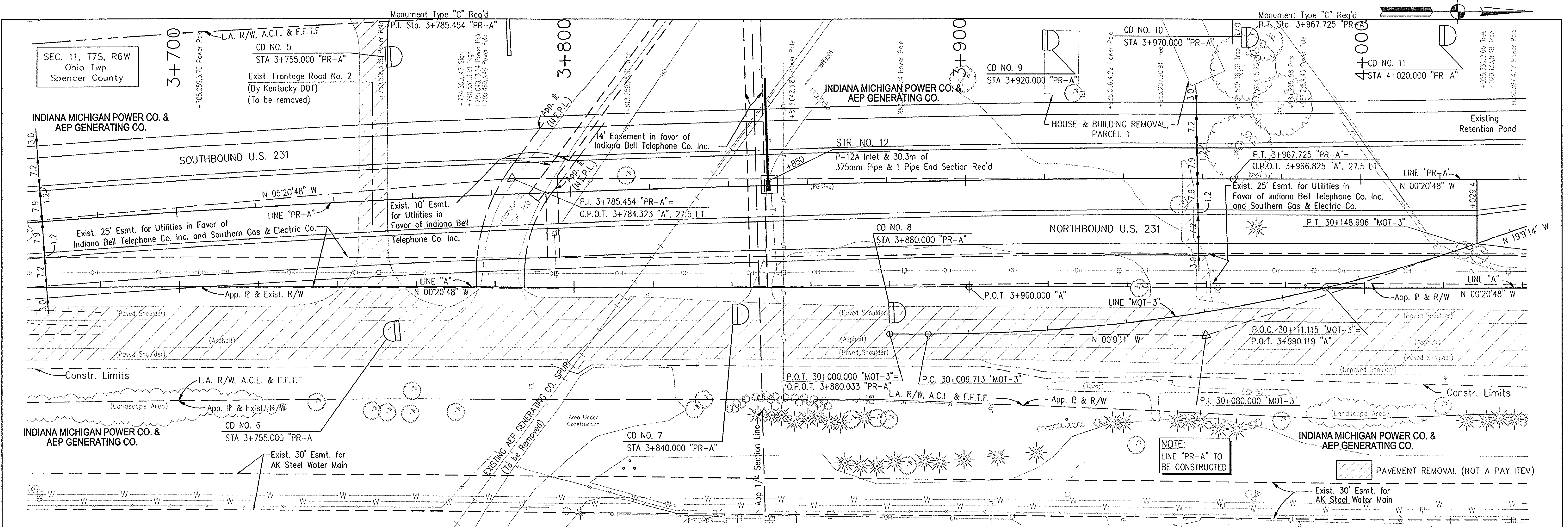
INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE  
 LINE "A" - U.S. 231

HORIZONTAL SCALE	1:500	BRIDGE FILE	
VERTICAL SCALE	1:100	DESIGNATION	8461360
SURVEY BOOK	16722	SHEETS	63 of 196
CONTRACT	R 26185	PROJECT	NH-075-3(014)

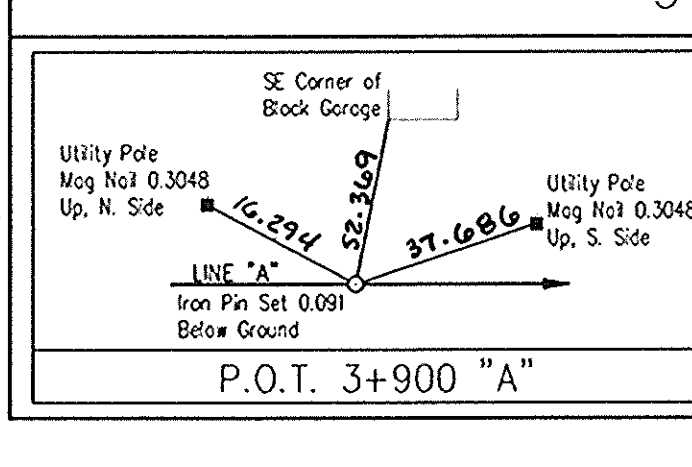
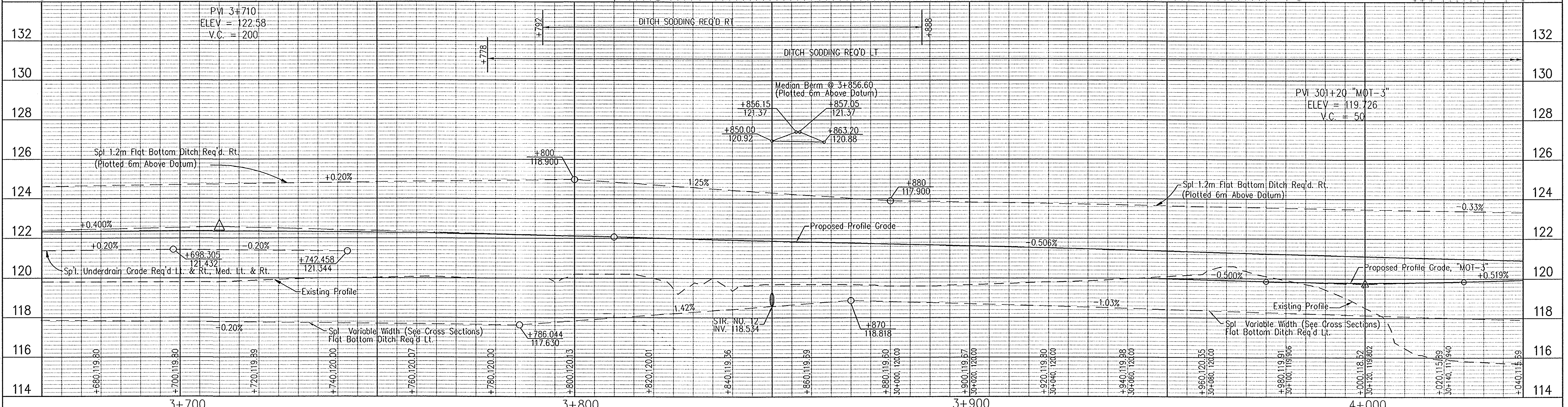
3/19/2003 7:40:46 AM UEST





**NOTE:**  
All measurement/distances are in meters unless otherwise indicated.  
ALL R/W DESCRIBED FROM LINE "PR-A" EXCEPT AS SHOWN.  
LIMITED ACCESS R/W PROVISIONS TO APPLY WHERE INDICATED.

Station	Description
3+700	CD NO. 5 STA 3+755.000 "PR-A"
3+755	CD NO. 6 STA 3+755.000 "PR-A"
3+840	CD NO. 7 STA 3+840.000 "PR-A"
3+880	CD NO. 8 STA 3+880.000 "PR-A"
3+920	CD NO. 9 STA 3+920.000 "PR-A"
3+970	CD NO. 10 STA 3+970.000 "PR-A"
4+020	CD NO. 11 STA 4+020.000 "PR-A"



**CURVE DATA**  
 P.I. = 3+785.454 "PR-A"  
 Δ = 5'00"00" Rt.  
 R = 4180.000  
 T = 182.503  
 L = 364.774  
 E = 3.982  
 S<sub>e</sub> = NC

**CURVE DATA**  
 P.I. = 30+080.000 "MOT-3"  
 Δ = 19'00"03" Lt.  
 R = 420.000  
 T = 70.287  
 L = 139.283  
 E = 5.841  
 S<sub>e</sub> = NC

**CURVE DATA**  
 P.I. = 30+111.115 "MOT-3"  
 Δ = 19'00"03" Lt.  
 R = 420.000  
 T = 70.287  
 L = 139.283  
 E = 5.841  
 S<sub>e</sub> = NC

RECOMMENDED FOR APPROVAL: *J. J. Conway* 4/16/03  
 DESIGN ENGINEER  
 DATE

DESIGNED: JMM DRAWN: RGS  
 CHECKED: AJD CHECKED: AJD

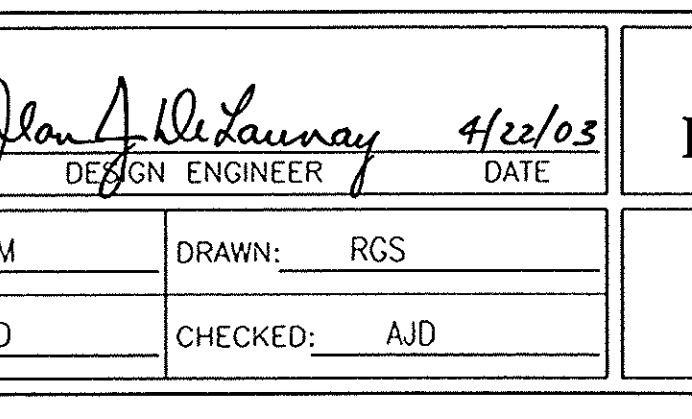
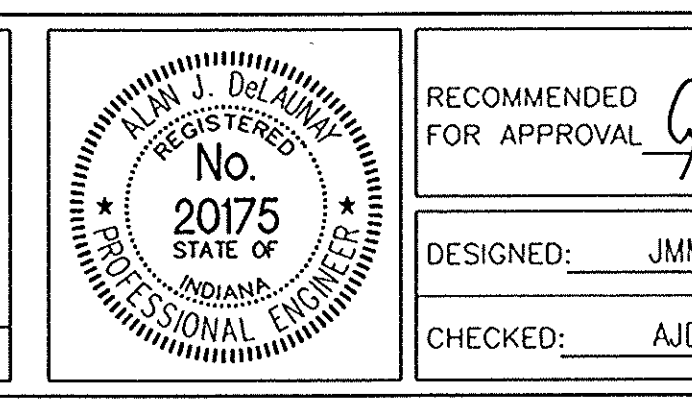
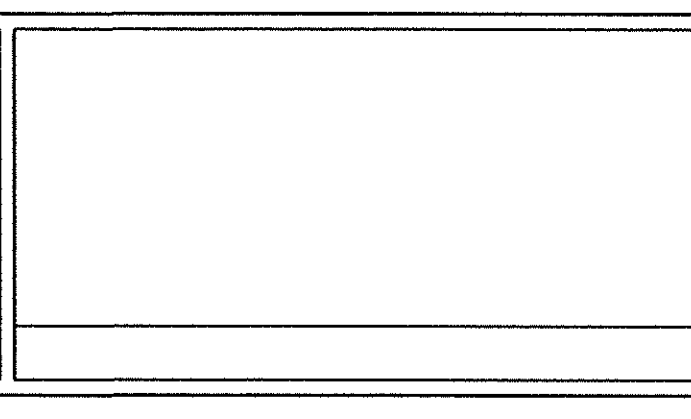
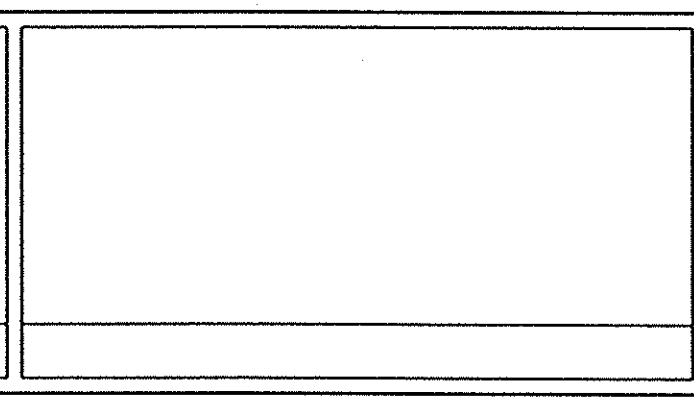
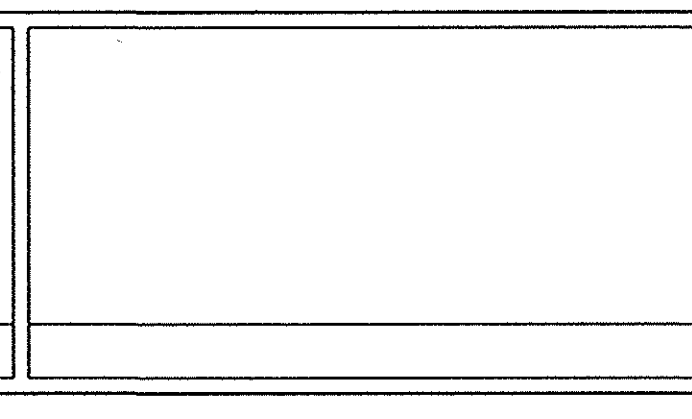
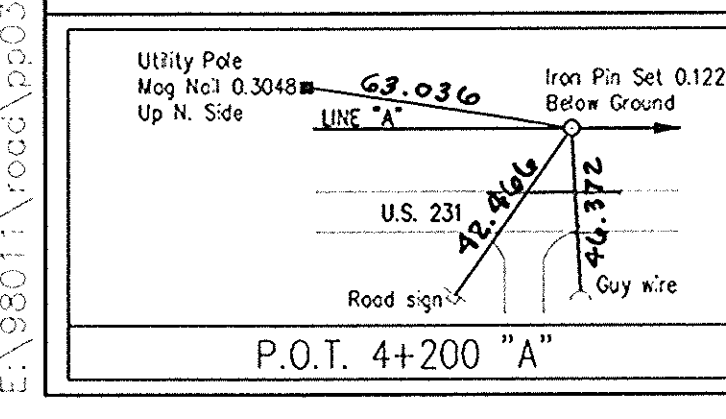
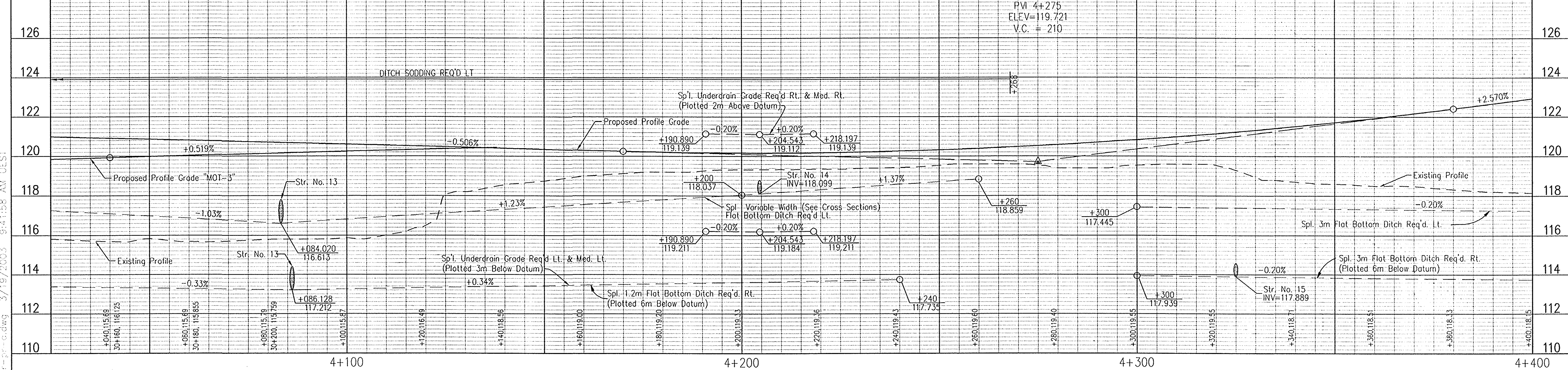
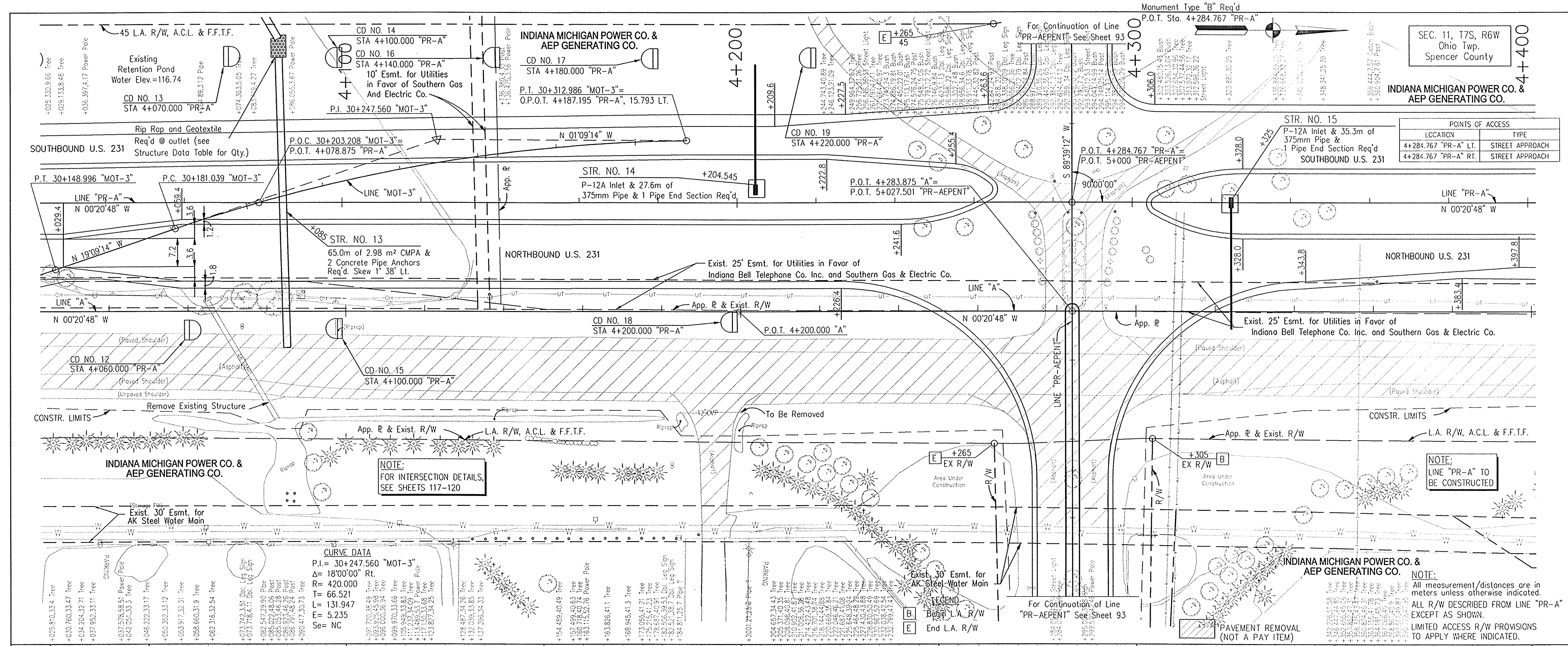
**INDIANA DEPARTMENT OF TRANSPORTATION**

**PLAN & PROFILE**  
**LINE "A" - U.S. 231**

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	8461360
SURVEY BOOK	SHEETS
16722	64 of 196
CONTRACT	PROJECT
R 26185	NH-075-3 (014)

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INDIANA DEPARTMENT OF TRANSPORTATION

RECOMMENDED FOR APPROVAL: *Alan J. DeLanna* 4/22/03  
DESIGN ENGINEER DATE

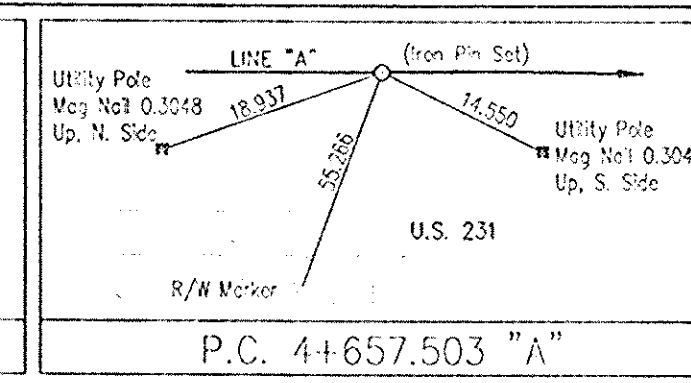
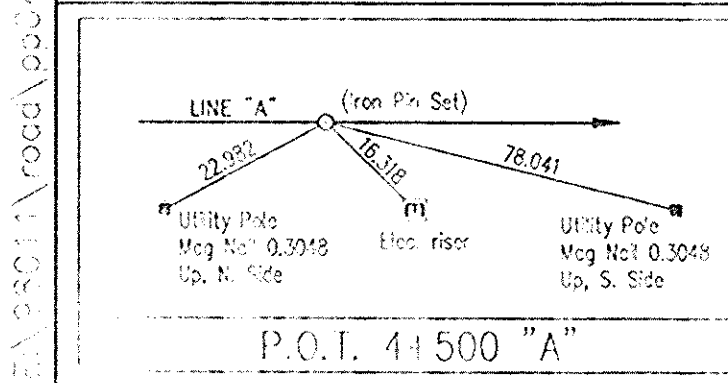
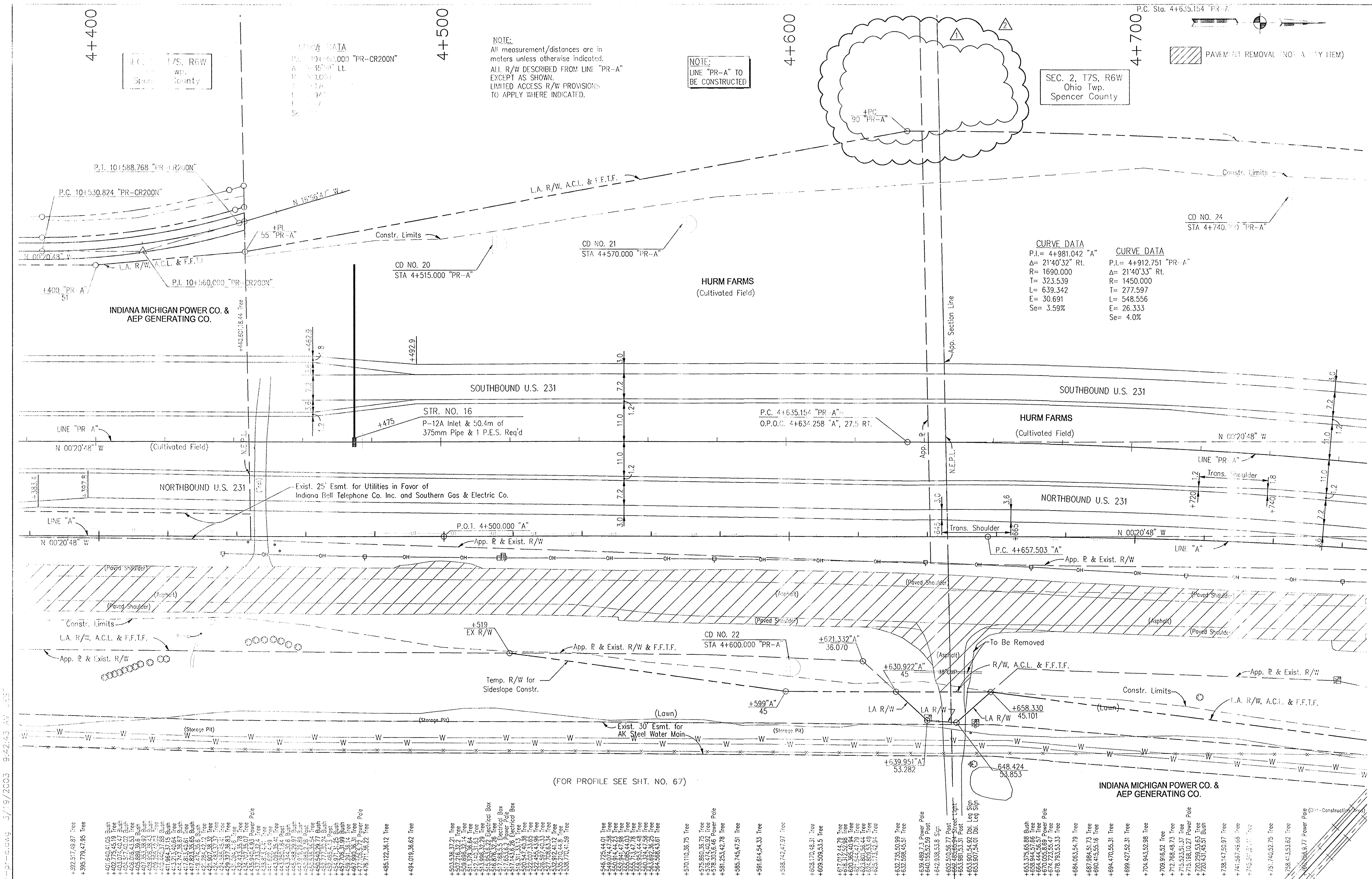
DESIGNED: JMM DRAWN: RGS  
CHECKED: AJD CHECKED: AJD

PLAN & PROFILE  
LINE "A" - U.S. 231

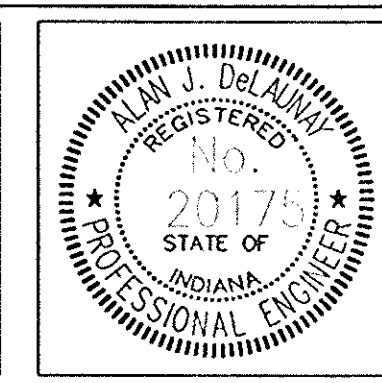
HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 8461360
SURVEY BOOK 16722	SHEETS 65 of 196
CONTRACT R 26185	PROJECT NH-075-3(014)

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- ▲ ADDED DRIVE ACCESS & ASSOCIATED RIGHT-OF-WAY
- ▲ REMOVED DRIVE ACCESS & ASSOCIATED RIGHT-OF-WAY



RECOMMENDED FOR APPROVAL *Alan J. DeLaney* 4/22/03  
DESIGN ENGINEER DATE

DESIGNED: JMM DRAWN: RGS  
CHECKED: AJD CHECKED: AJD

**INDIANA DEPARTMENT OF TRANSPORTATION**

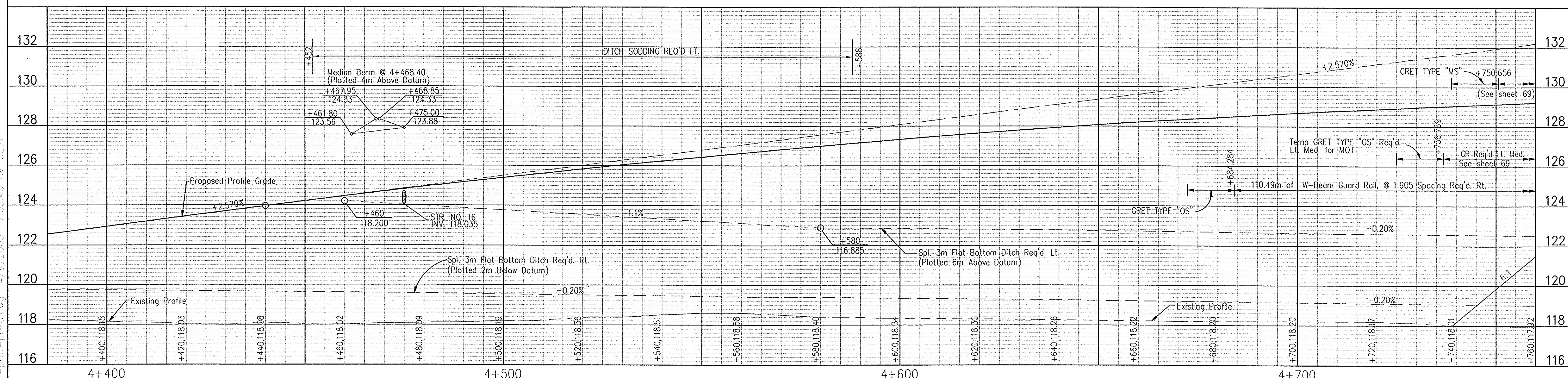
**PLAN & PROFILE**  
**LINE "A" - U.S. 231**

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 8461360
SURVEY BOOK 16722	SHEETS 65 of 196
CONTRACT R 26185	PROJECT NH-075-3(014)

I:\p\01\road\p01\pr-a.dwg 3/19/2003 9:42:43 AM JES



(FOR PLAN SEE SHT. NO. 66)



E:\9801\road\pp04r-prof-pr-cswg 4/9/2003 7:03:43 AM UEST

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RECOMMENDED FOR APPROVAL *Glen J. DeLaunay* 4/22/03  
 DESIGN ENGINEER DATE

DESIGNED: JMM DRAWN: RGS  
 CHECKED: AJD CHECKED: AJD

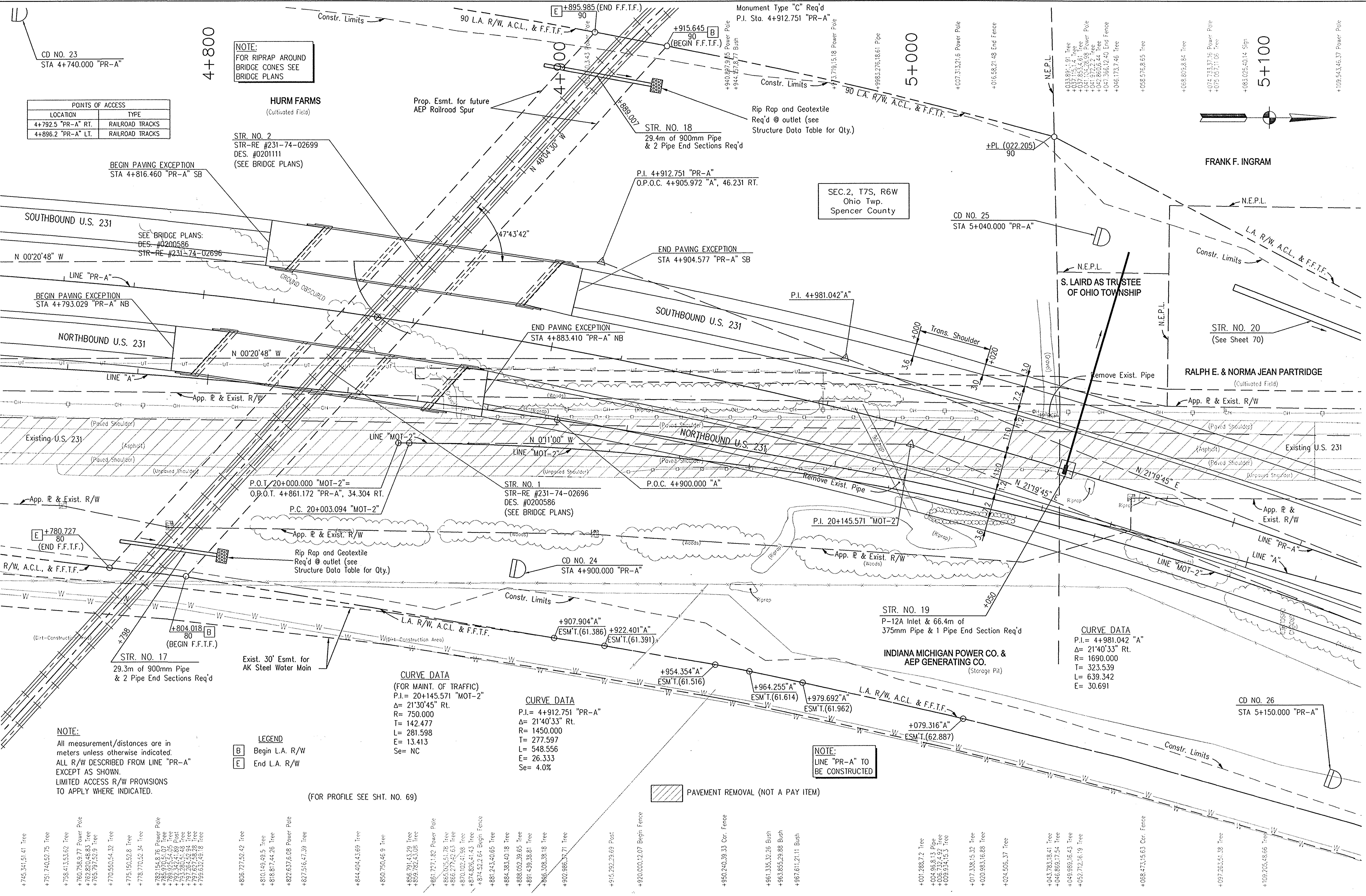


INDIANA DEPARTMENT OF TRANSPORTATION

PROFILE LINE "A" - U.S. 231

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 8461360
SURVEY BOOK 16722	SHEETS 67 of 196
CONTRACT R 26185	PROJECT NH-075-3(014)





CD NO. 23  
STA 4+740.000 "PR-A"

POINTS OF ACCESS	
LOCATION	TYPE
4+792.5 "PR-A" RT.	RAILROAD TRACKS
4+896.2 "PR-A" LT.	RAILROAD TRACKS

NOTE:  
FOR RIPRAP AROUND  
BRIDGE CONES SEE  
BRIDGE PLANS

POINTS OF ACCESS	
LOCATION	TYPE
4+792.5 "PR-A" RT.	RAILROAD TRACKS
4+896.2 "PR-A" LT.	RAILROAD TRACKS

HURM FARMS  
(Cultivated Field)

STR. NO. 2  
STR-RE #231-74-02699  
DES. #0201111  
(SEE BRIDGE PLANS)

SEC. 2, T7S, R6W  
Ohio Twp.  
Spencer County

SEE BRIDGE PLANS:  
DES. #0200586  
STR-RE #231-74-02696

BEGIN PAVING EXCEPTION  
STA 4+816.460 "PR-A" SB

BEGIN PAVING EXCEPTION  
STA 4+793.029 "PR-A" NB

END PAVING EXCEPTION  
STA 4+904.577 "PR-A" SB

END PAVING EXCEPTION  
STA 4+883.410 "PR-A" NB

STR. NO. 1  
STR-RE #231-74-02696  
DES. #0200586  
(SEE BRIDGE PLANS)

P.O.T. 20+000.000 "MOT-2"  
O.P.O.T. 4+861.172 "PR-A", 34.304 RT.  
P.C. 20+003.094 "MOT-2"

STR. NO. 17  
29.3m of 900mm Pipe  
& 2 Pipe End Sections Req'd

STR. NO. 18  
29.4m of 900mm Pipe  
& 2 Pipe End Sections Req'd

STR. NO. 19  
P-12A Inlet & 66.4m of  
375mm Pipe & 1 Pipe End Section Req'd

STR. NO. 20  
(See Sheet 70)

NOTE:  
All measurement/distances are in  
meters unless otherwise indicated.  
ALL R/W DESCRIBED FROM LINE "PR-A"  
EXCEPT AS SHOWN.  
LIMITED ACCESS R/W PROVISIONS  
TO APPLY WHERE INDICATED.

LEGEND  
B Begin L.A. R/W  
E End L.A. R/W

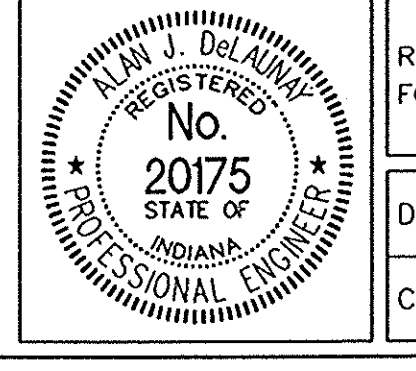
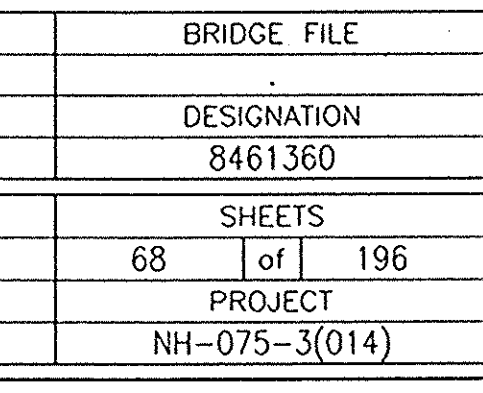
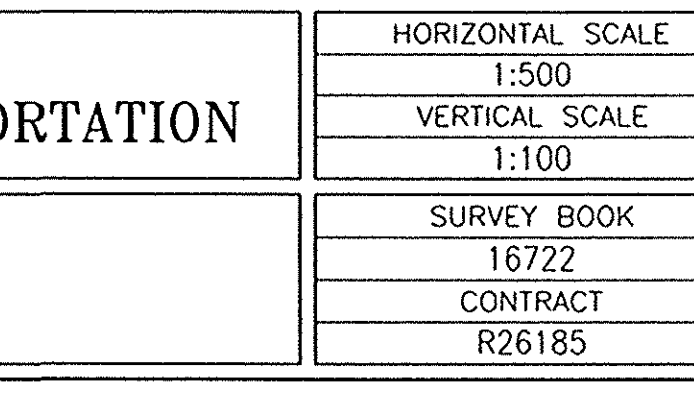
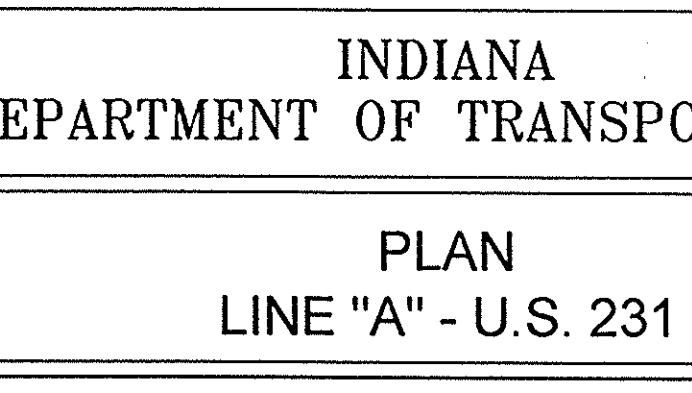
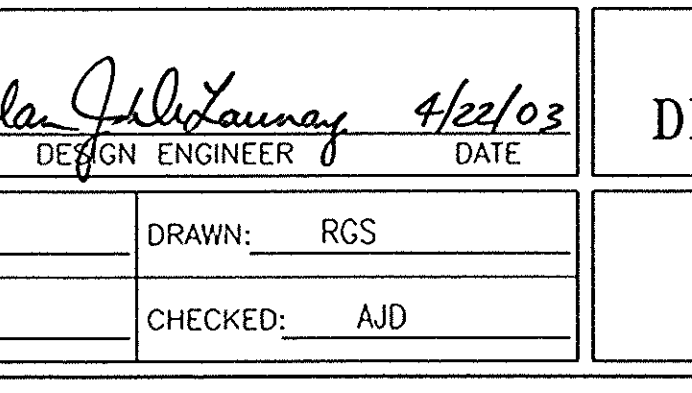
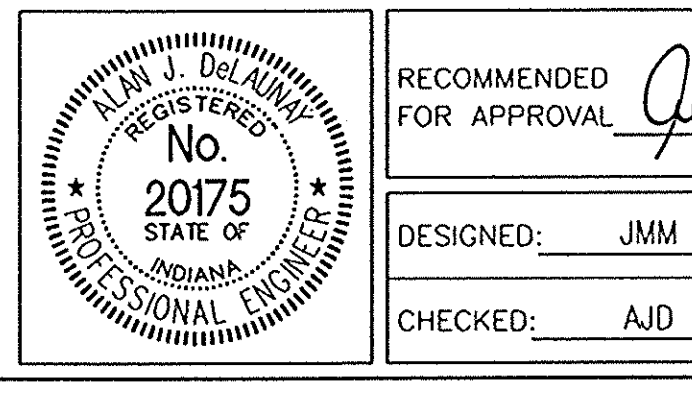
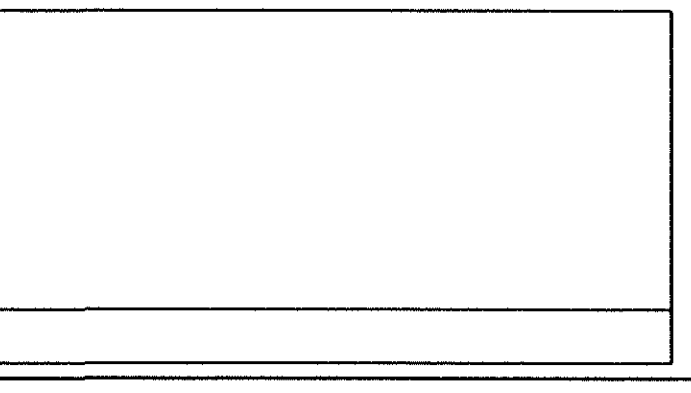
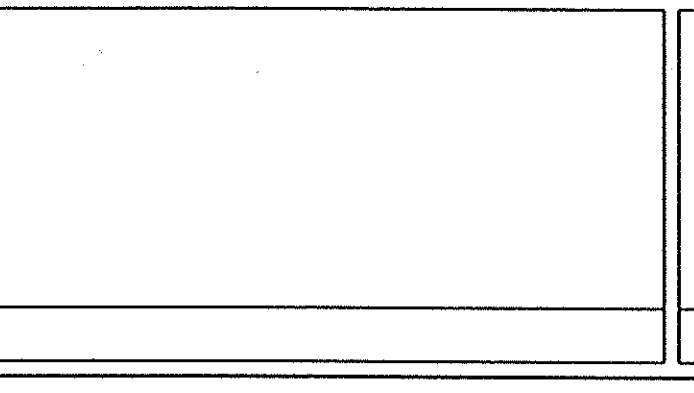
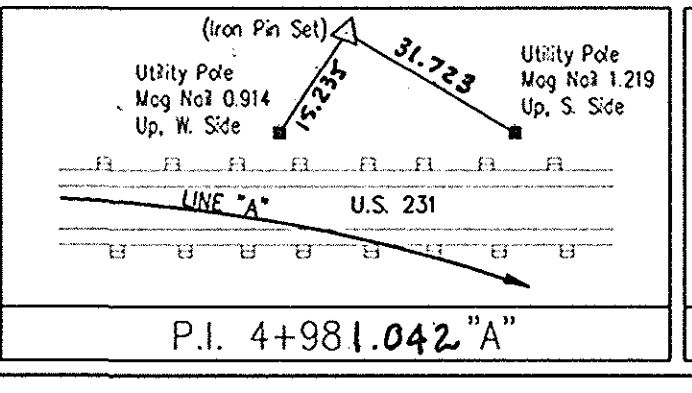
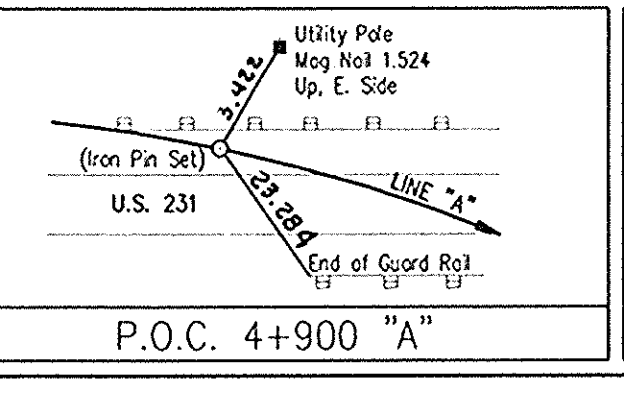
CURVE DATA  
(FOR MAINT. OF TRAFFIC)  
P.I. = 20+145.571 "MOT-2"  
Δ = 21°30'45" Rt.  
R = 750.000  
T = 142.477  
L = 281.598  
E = 13.413  
Se = NC

CURVE DATA  
P.I. = 4+912.751 "PR-A"  
Δ = 21°40'33" Rt.  
R = 1450.000  
T = 277.597  
L = 548.556  
E = 26.333  
Se = 4.0%

NOTE:  
LINE "PR-A" TO  
BE CONSTRUCTED

PAVEMENT REMOVAL (NOT A PAY ITEM)

- +745.341, 51.41 Tree
- +751.740, 52.75 Tree
- +756.413, 53.62 Tree
- +760.268, 54.77 Power Pole
- +762.820, 48.83 Tree
- +765.791, 52.9 Tree
- +770.560, 54.32 Tree
- +775.190, 52.8 Tree
- +778.770, 52.34 Tree
- +782.548, 54.76 Power Pole
- +785.970, 51.07 Tree
- +788.522, 48.83 Tree
- +793.301, 51.28 Post
- +797.881, 52.94 Tree
- +799.537, 49.18 Tree
- +806.777, 52.42 Tree
- +810.149, 49.15 Tree
- +818.817, 44.26 Tree
- +822.637, 16.08 Power Pole
- +827.516, 47.39 Tree
- +844.404, 43.69 Tree
- +850.700, 46.9 Tree
- +856.791, 43.29 Tree
- +859.282, 43.08 Tree
- +861.771, 82 Power Pole
- +865.185, 43.79 Tree
- +866.771, 42.63 Tree
- +870.102, 41.98 Tree
- +874.626, 41.43 Tree
- +874.527, 64 Begin Fence
- +881.243, 40.65 Tree
- +884.383, 40.18 Tree
- +888.662, 39.65 Tree
- +891.439, 38.61 Tree
- +896.308, 38.18 Tree
- +902.886, 37.71 Tree
- +916.292, 39.69 Post
- +920.000, 12.07 Begin Fence
- +950.240, 39.33 Cor. Fence
- +961.335, 32.26 Bush
- +963.655, 29.88 Bush
- +967.611, 21.11 Bush
- +001.288, 7.2 Tree
- +004.958, 8.13 Pipe
- +006.321, 4.92 Tree
- +009.354, 15.3 Tree
- +017.338, 15.32 Tree
- +020.983, 16.88 Tree
- +024.565, 37 Tree
- +043.783, 18.41 Tree
- +046.892, 17.54 Tree
- +049.982, 16.43 Tree
- +052.712, 16.19 Tree
- +068.473, 15.63 Cor. Fence
- +097.263, 51.38 Tree
- +102.205, 46.66 Tree
- +109.543, 45.37 Power Pole



RECOMMENDED FOR APPROVAL  
*Alan J. DeLuca* 4/2/03  
DESIGN ENGINEER DATE

DESIGNED: JMM DRAWN: RGS  
CHECKED: AJD CHECKED: AJD

INDIANA DEPARTMENT OF TRANSPORTATION

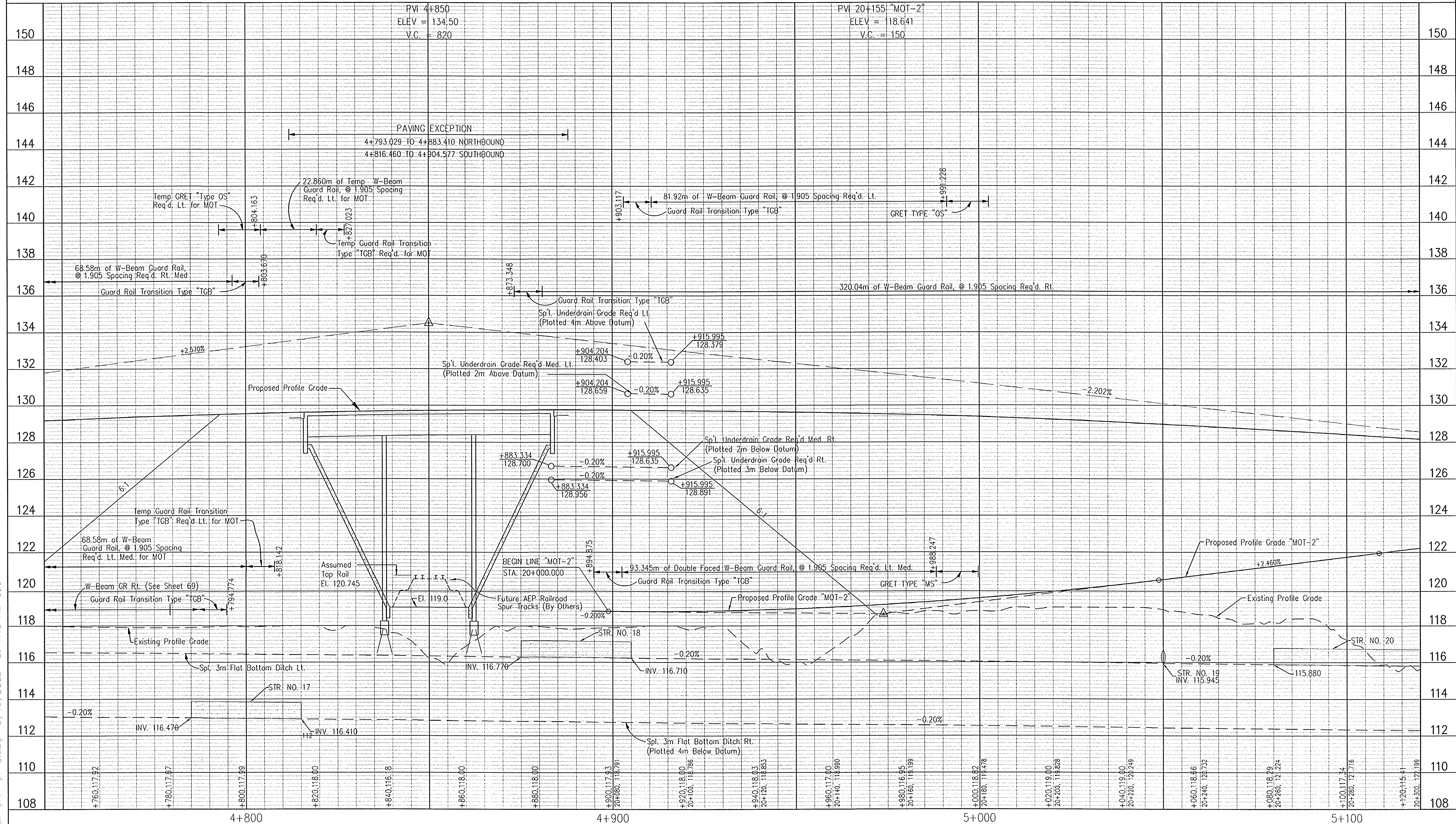
PLAN  
LINE "A" - U.S. 231

HORIZONTAL SCALE		BRIDGE FILE	
1:500			
VERTICAL SCALE		DESIGNATION	
1:100			8461360
SURVEY BOOK		SHEETS	
16722		68	of 196
CONTRACT		PROJECT	
R26185			NH-075-3(014)

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(FOR PLAN SEE SHT. NO. 68)

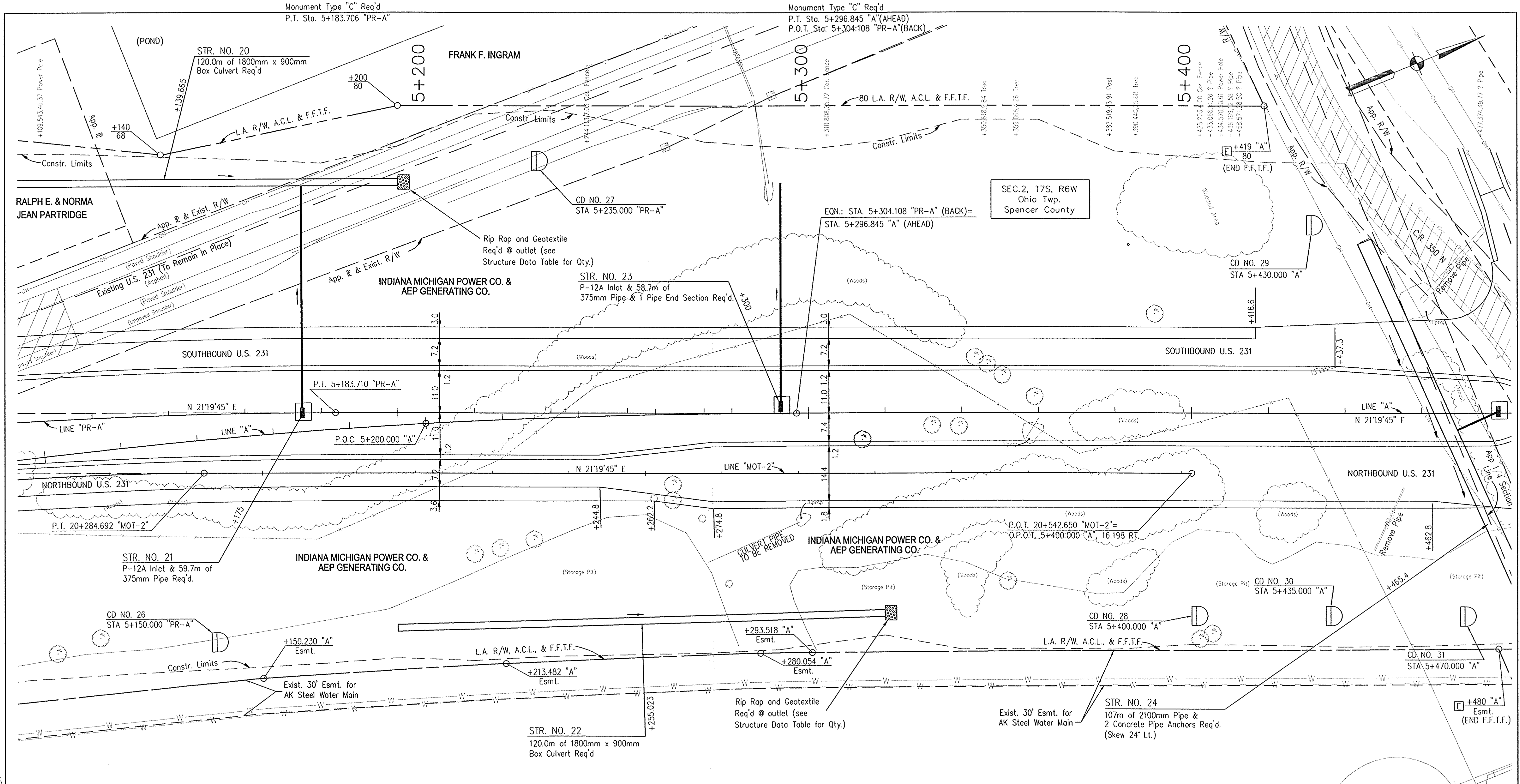


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4+800	4+900	5+000	5+100								
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;"> </td> <td style="width: 50%;">                 RECOMMENDED FOR APPROVAL  <i>Alan J. Delaney</i> 4/2/03                  DESIGN ENGINEER DATE             </td> </tr> <tr> <td>DESIGNED: JMM</td> <td>DRAWN: RGS</td> </tr> <tr> <td>CHECKED: AJD</td> <td>CHECKED: AJD</td> </tr> </table>					RECOMMENDED FOR APPROVAL <i>Alan J. Delaney</i> 4/2/03 DESIGN ENGINEER DATE	DESIGNED: JMM	DRAWN: RGS	CHECKED: AJD	CHECKED: AJD	INDIANA DEPARTMENT OF TRANSPORTATION  <b>PROFILE LINE "A" - U.S. 231</b>	
	RECOMMENDED FOR APPROVAL <i>Alan J. Delaney</i> 4/2/03 DESIGN ENGINEER DATE										
DESIGNED: JMM	DRAWN: RGS										
CHECKED: AJD	CHECKED: AJD										
HORIZONTAL SCALE 1:500 VERTICAL SCALE 1:100		BRIDGE FILE DESIGNATION 8461360									
SURVEY BOOK 16722 CONTRACT R 26185		SHEETS 69 of 196 PROJECT NH-075-3(014)									



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PAVEMENT REMOVAL (NOT A PAY ITEM)

**NOTE:**  
FOR INTERSECTION DETAILS,  
SEE SHEETS 121-124

**NOTE:**  
LINE "PR-A" TO BE CONSTRUCTED UP  
TO STA. 5+304.108 "PR-A"  
LINE "A" TO BE CONSTRUCTED FROM  
STA. 5+296.845 "A"

(FOR PROFILE SEE SHT. NO. 71)

**LEGEND**  
 Begin L.A. R/W  
 End L.A. R/W

**NOTE:**  
All measurement/distances are in  
meters unless otherwise indicated.  
ALL R/W DESCRIBED FROM LINE "PR-A"  
EXCEPT AS SHOWN.  
LIMITED ACCESS R/W PROVISIONS  
TO APPLY WHERE INDICATED.

+189.455,28.34 Cor. Fence

+211.032,34.71 Tree

+217.846,33.49 Tree

+218.570,10.53 Cor. Fence

+227.016,31.57 Tree

+259.030,21.98 Bush

+264.078,27.47 Tree

+264.229,18.33 Tree

+271.299,27.37 Bush

+273.184,38.75 Pipe

+278.044,44.35 Bush

+297.641,28.48 ? Pipe

+314.053,6.88 Tree

+314.175,6.91 Tree

+332.284,31.7 Tree

+339.305,3.45 Tree

+352.043,43.85 Tree

+4356.778,6.64 Pipe

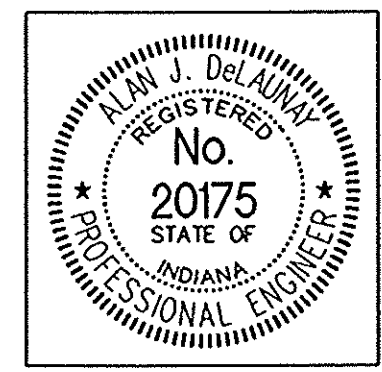
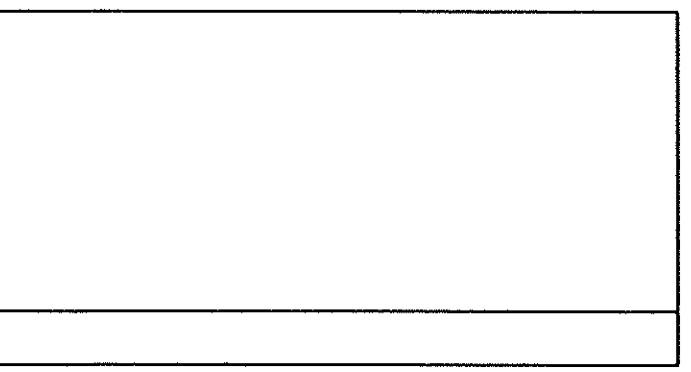
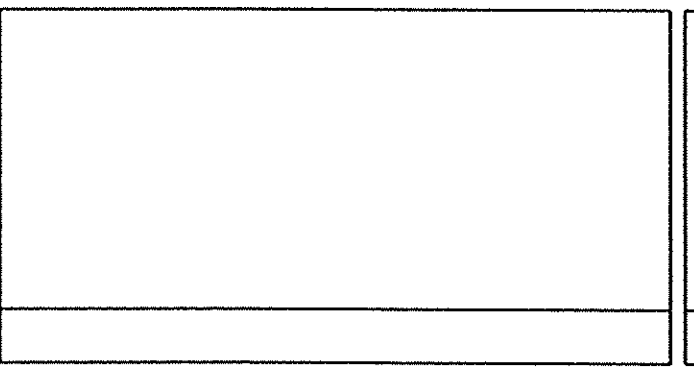
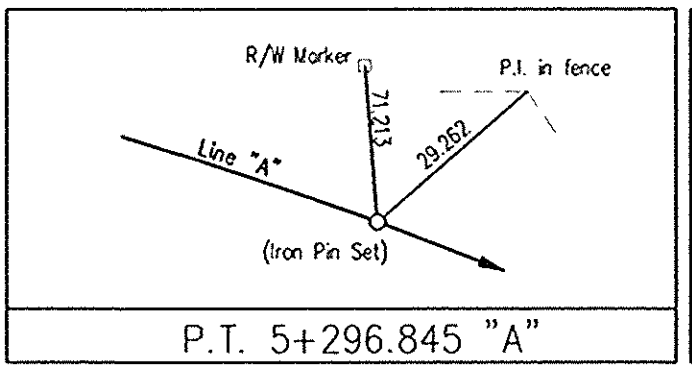
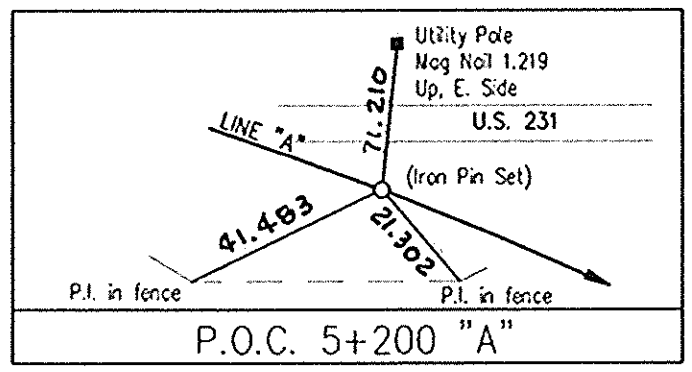
+350.225,0.99 Pipe

+370.803,10.71 Cor. Fence

+447.980,35.50 Pipe

+455.216,18.79 Pipe

+465.731,8.89 Power Pole



RECOMMENDED FOR APPROVAL  
*Alan J. L. Lantry* 4/22/03  
 DESIGN ENGINEER DATE

DESIGNED: JMM DRAWN: RGS  
 CHECKED: AJD CHECKED: AJD

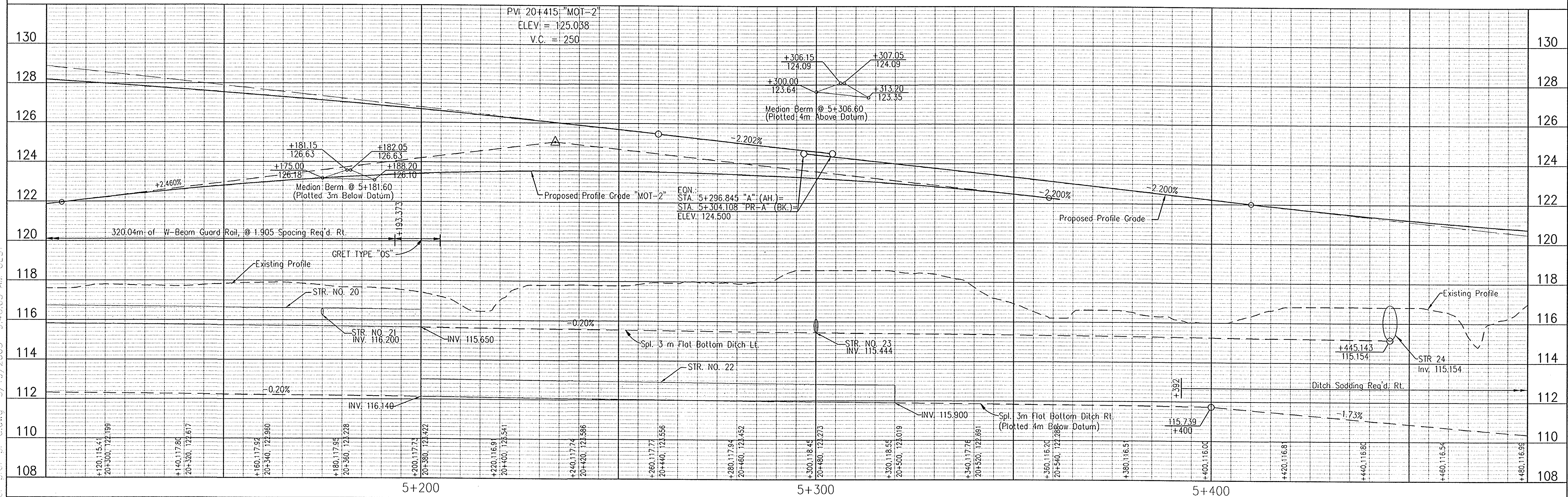
INDIANA DEPARTMENT OF TRANSPORTATION

PLAN  
 LINE "A" - U.S. 231

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	8461360
SURVEY BOOK	SHEETS
16722	70 of 196
CONTRACT	PROJECT
R 26185	NH-075-3(014)



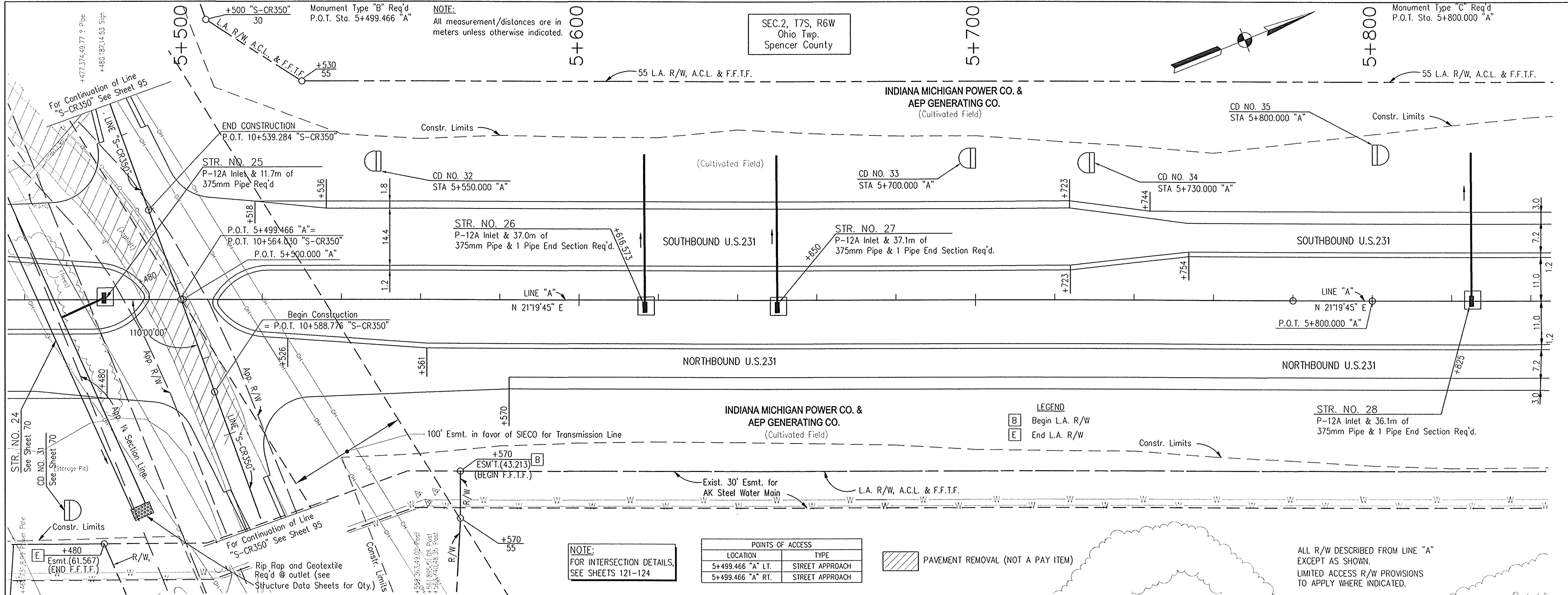
FOR PLAN VIEW, SEE SHT. 70



E:\98011\ocd\p066-066-01-01-01.dwg 3/19/2003 9:46:05 AM WEST

				RECOMMENDED FOR APPROVAL <i>Alan J. D'Amico</i> 4/22/03 DESIGN ENGINEER DATE		INDIANA DEPARTMENT OF TRANSPORTATION  PROFILE LINE "A" - U.S. 231		HORIZONTAL SCALE 1:500 BRIDGE FILE VERTICAL SCALE 1:100 DESIGNATION 8461360	
				DESIGNED: JMM DRAWN: RGS CHECKED: AJD CHECKED: AJD				SURVEY BOOK 16722 SHEETS 71 of 196 CONTRACT R 26185 PROJECT NH-075-3(014)	





NOTE:  
All measurement/distances are in meters unless otherwise indicated.

SEC. 2, T7S, R6W  
Ohio Twp.  
Spencer County

Monument Type "C" Req'd  
P.O.T. Sta. 5+800.000 "A"

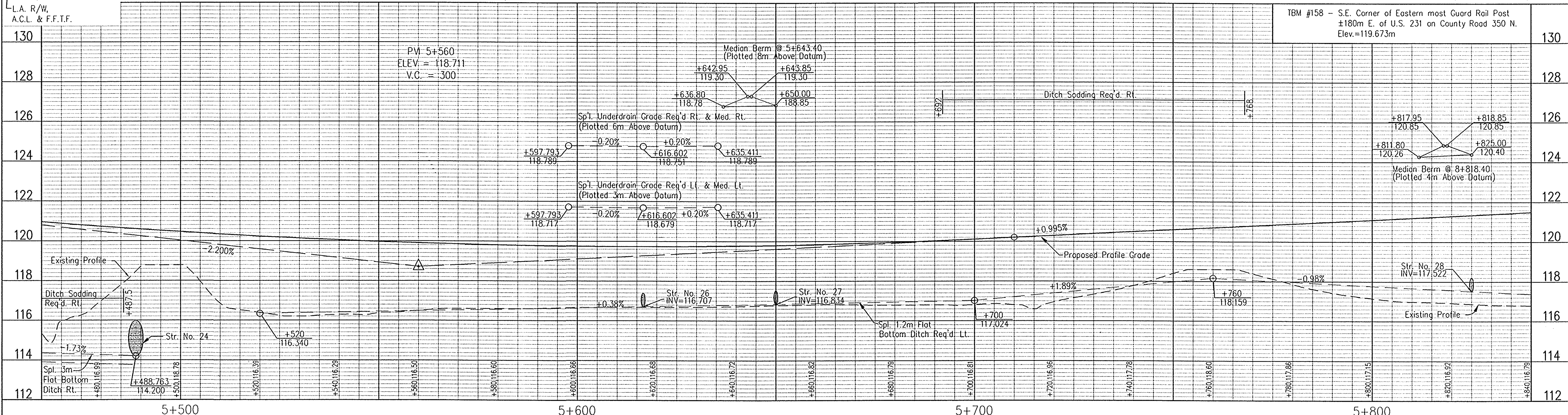
LEGEND  
 [B] Begin L.A. R/W  
 [E] End L.A. R/W

NOTE:  
FOR INTERSECTION DETAILS,  
SEE SHEETS 121-124

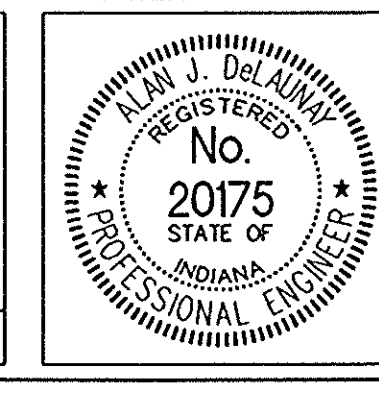
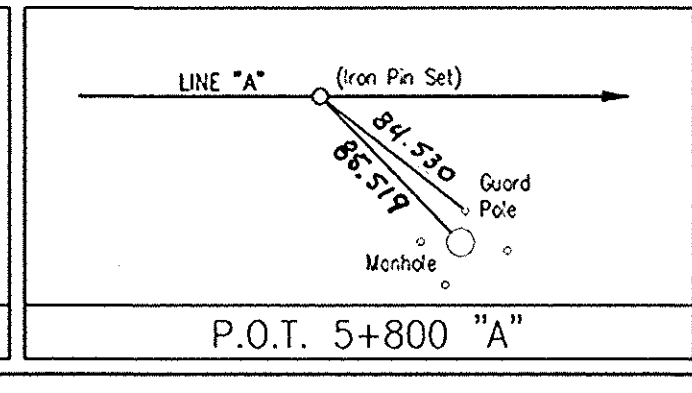
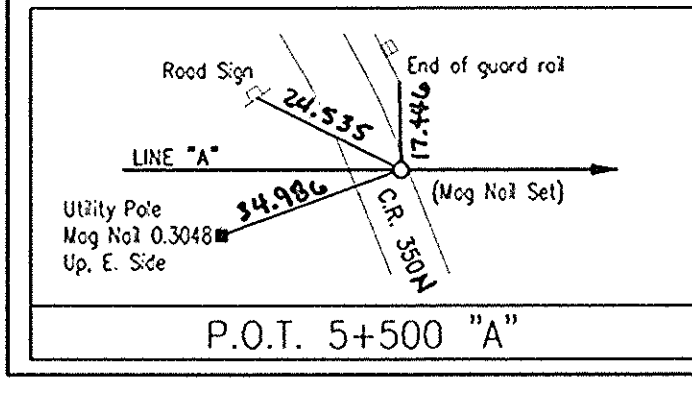
POINTS OF ACCESS	
LOCATION	TYPE
5+499.466 "A" LT.	STREET APPROACH
5+499.466 "A" RT.	STREET APPROACH

[Hatched Box] PAVEMENT REMOVAL (NOT A PAY ITEM)

ALL R/W DESCRIBED FROM LINE "A"  
EXCEPT AS SHOWN.  
LIMITED ACCESS R/W PROVISIONS  
TO APPLY WHERE INDICATED.



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RECOMMENDED FOR APPROVAL  
*Alan J. DeLaney* 4/24/03  
 DESIGN ENGINEER DATE

DESIGNED: JMM DRAWN: RCS  
 CHECKED: AJD CHECKED: AJD

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE  
 LINE "A" - U.S. 231

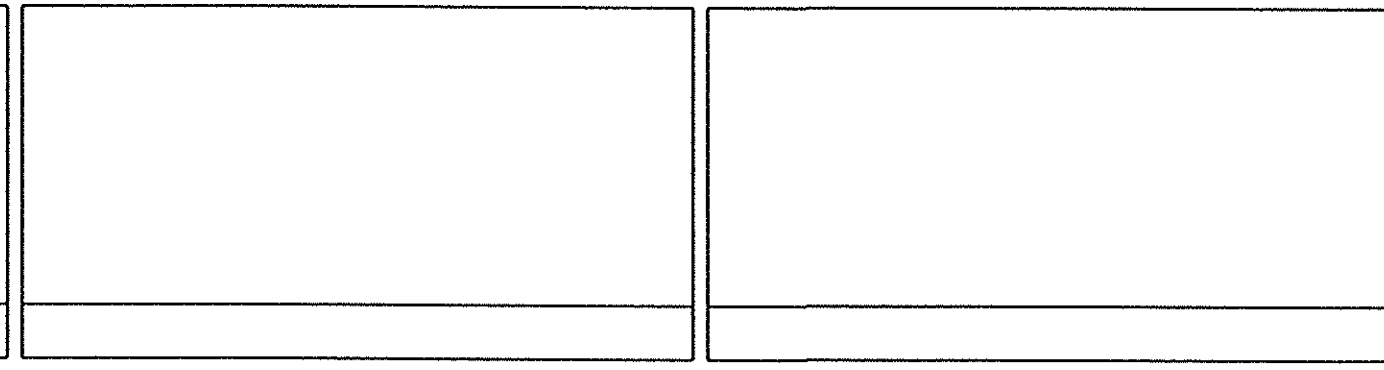
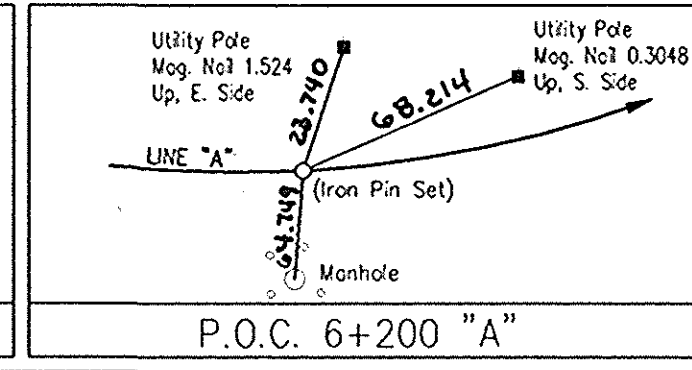
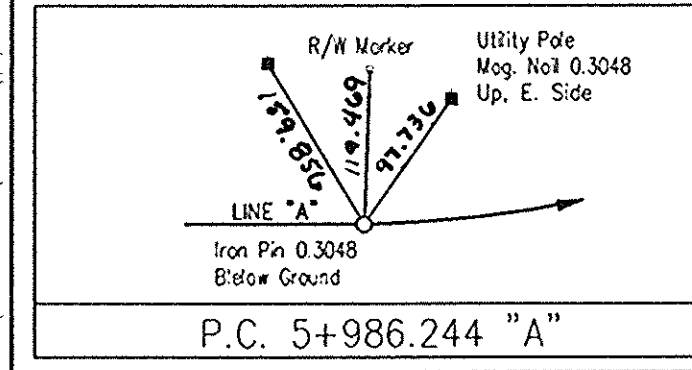
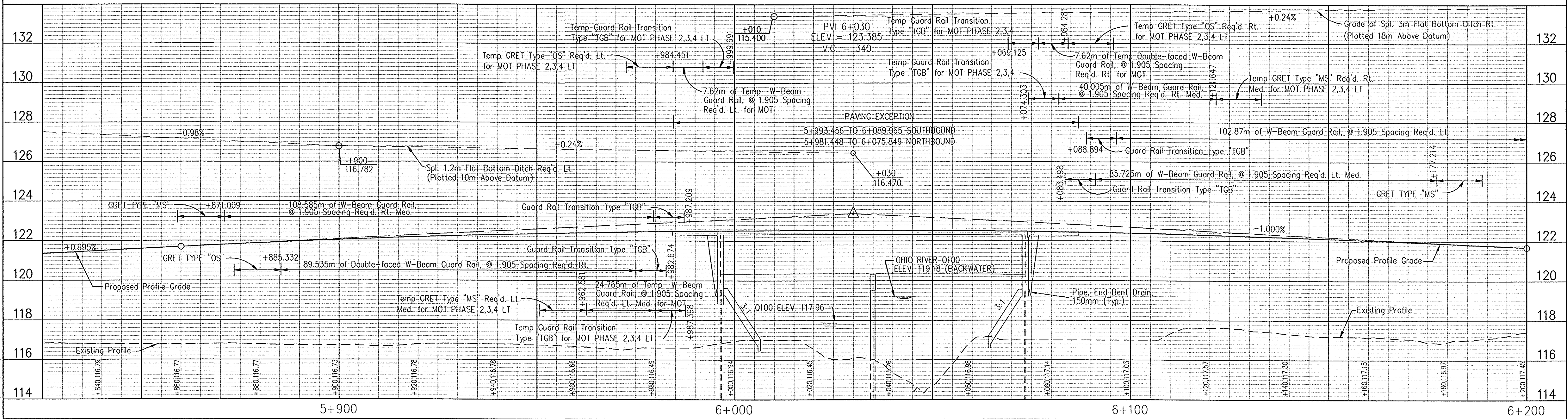
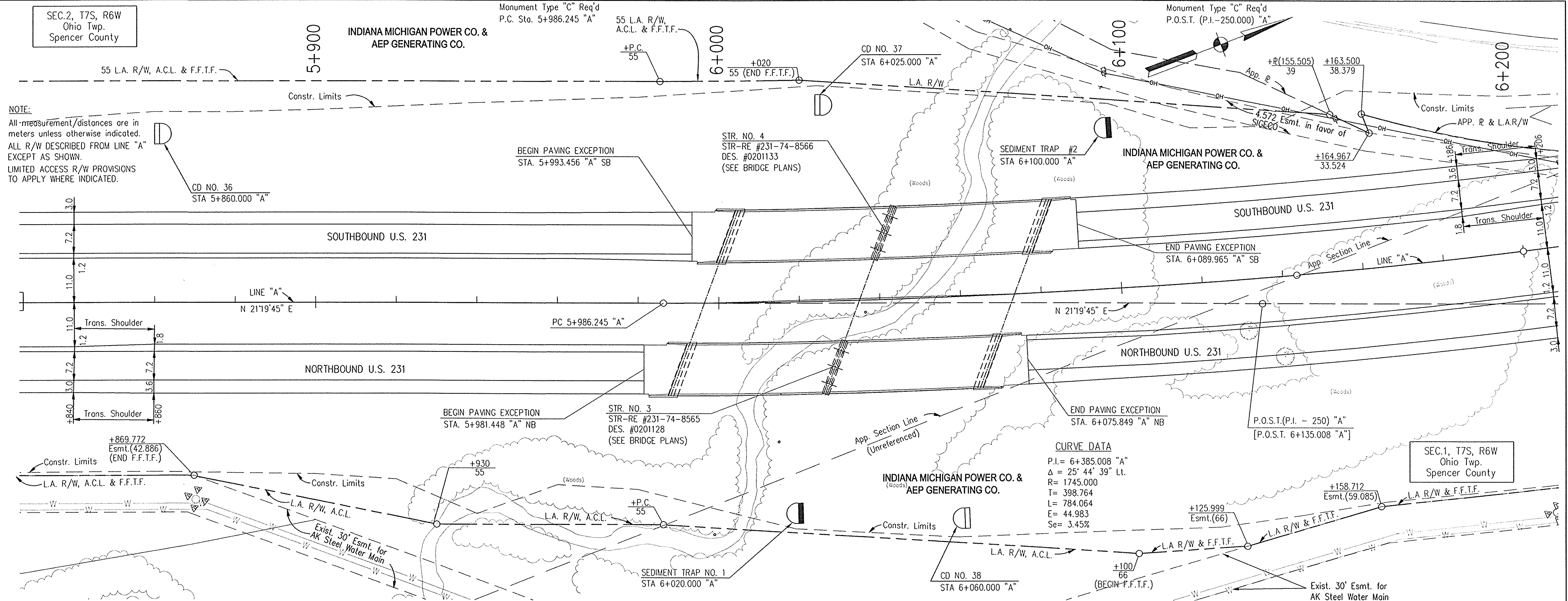
HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 8461360
SURVEY BOOK 16722	SHEETS 72 of 196
CONTRACT R 26185	PROJECT NH-075-3(014)



SEC. 2, T7S, R6W  
Ohio Twp.  
Spencer County

NOTE:

All measurement/distances are in meters unless otherwise indicated. ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN. LIMITED ACCESS R/W PROVISIONS TO APPLY WHERE INDICATED.



RECOMMENDED FOR APPROVAL *Alan J. DeJung* 4/22/03 DESIGN ENGINEER DATE  
DESIGNED: JMM DRAWN: RCS  
CHECKED: AJD CHECKED: AJD



INDIANA DEPARTMENT OF TRANSPORTATION  
**PLAN & PROFILE**  
LINE "A" - U.S. 231

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 8461360
SURVEY BOOK 16722	SHEETS 73 of 196
CONTRACT R 26185	PROJECT NH-075-3(014)

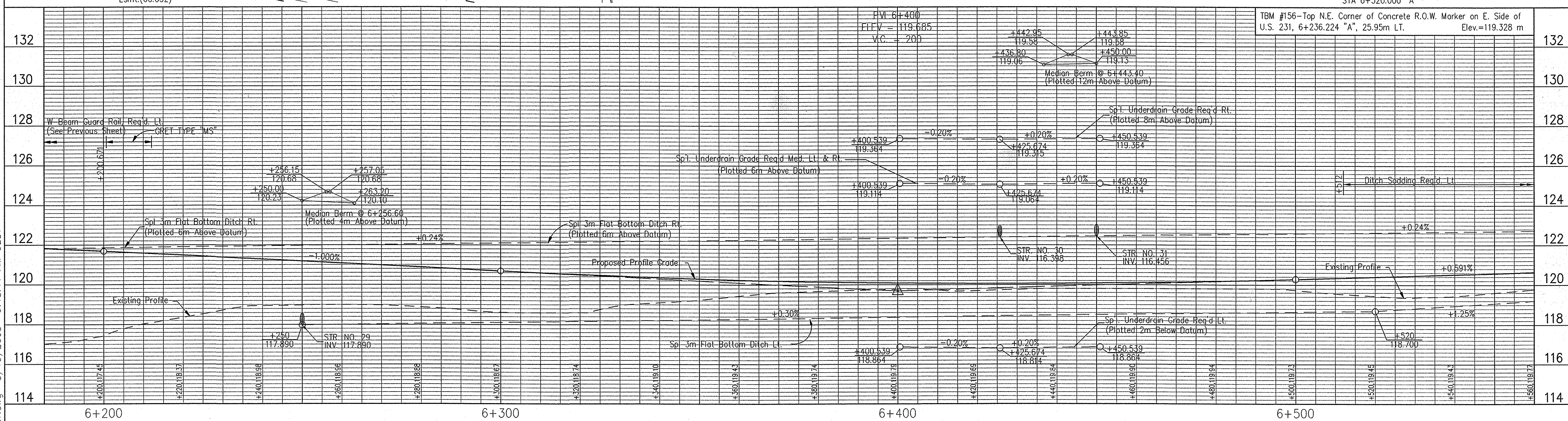
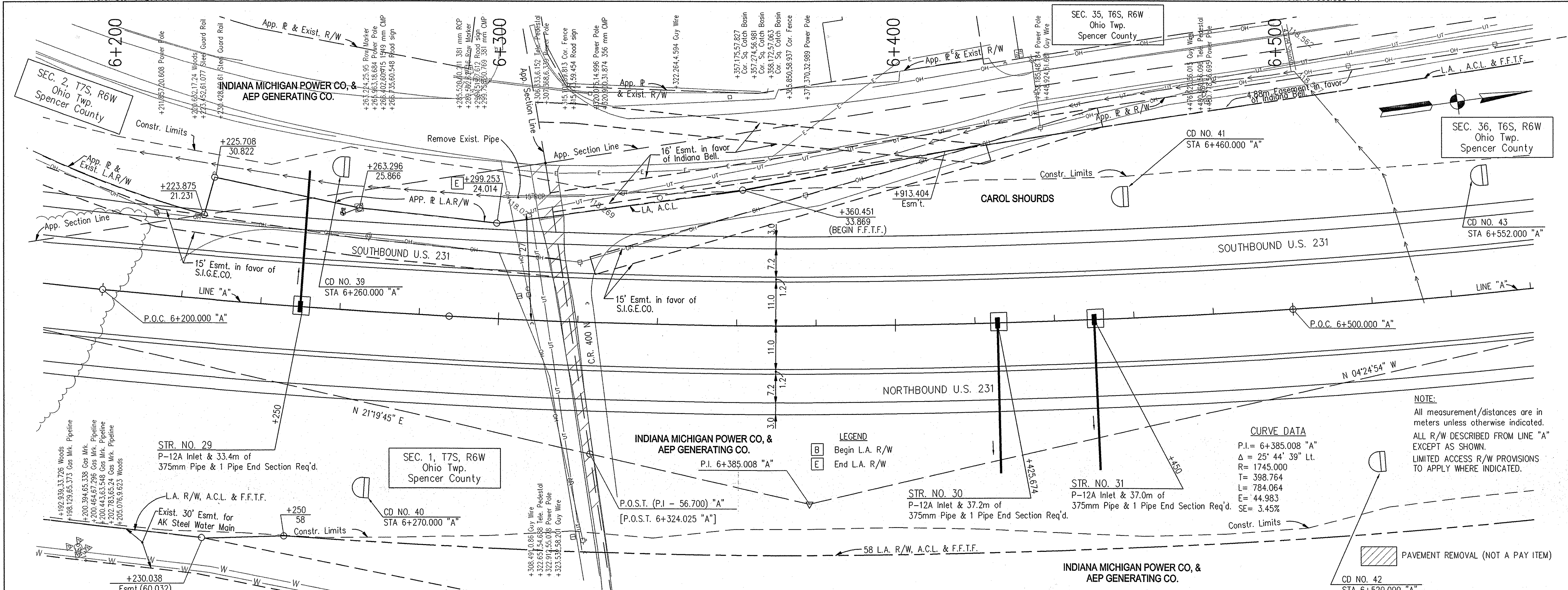
E:\98011\road\p05r.dwg 3/19/2003 9:47:49 AM DES



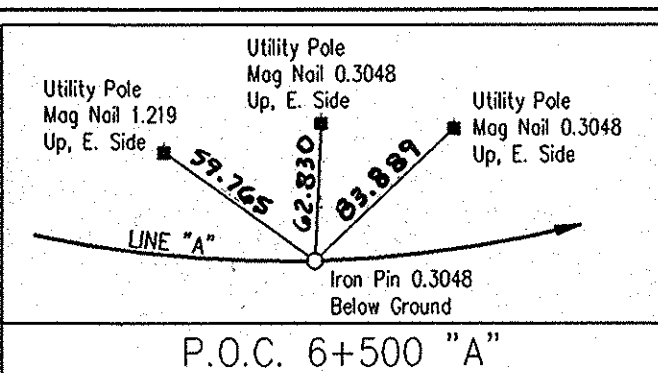
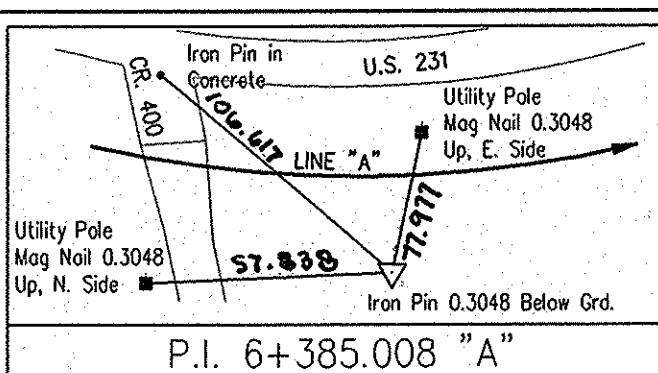
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P.O.C. Sta. 6+200.000 "A"

Monument Type "C" Req'd  
P.I. Sta. 6+385.008 "A"

Monument Type "C" Req'd  
P.O.C. Sta. 6+500.000 "A"



E:\980111\road\pp09r.dwg 3/19/2003 9:48:41 AM UEST



RECOMMENDED FOR APPROVAL  
*Alan J. DeLaney* 4/22/03  
 DESIGN ENGINEER DATE

DESIGNED: JMM DRAWN: RCS  
 CHECKED: AJD CHECKED: AJD

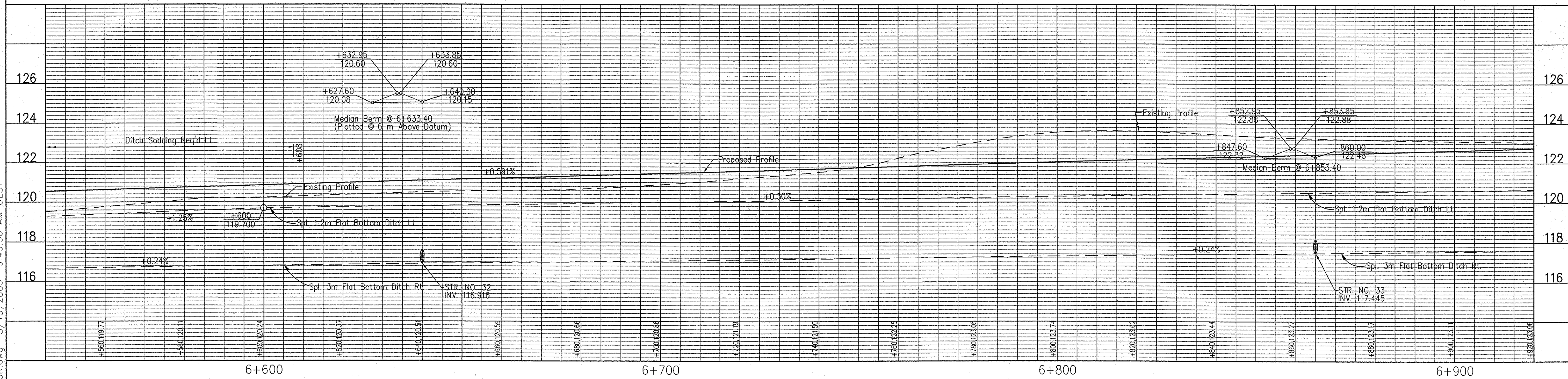
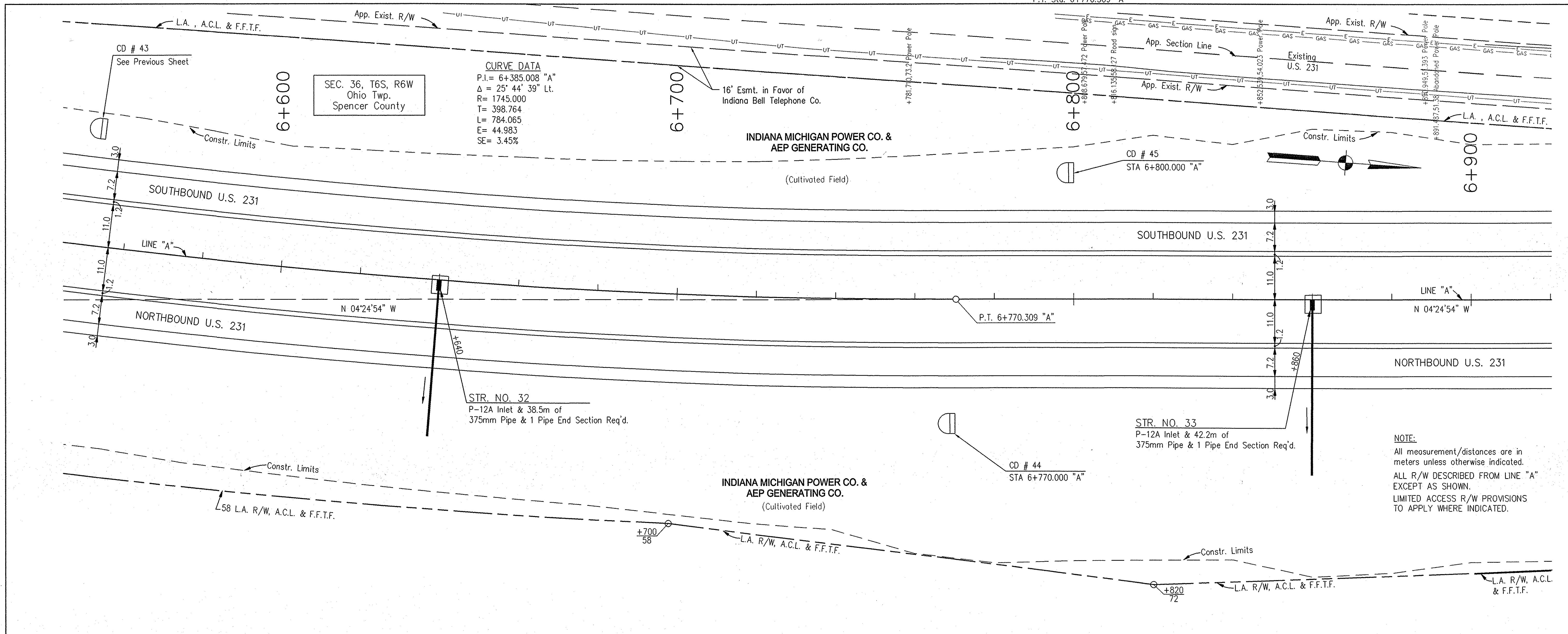
**INDIANA DEPARTMENT OF TRANSPORTATION**

**PLAN & PROFILE LINE "A" - U.S. 231**

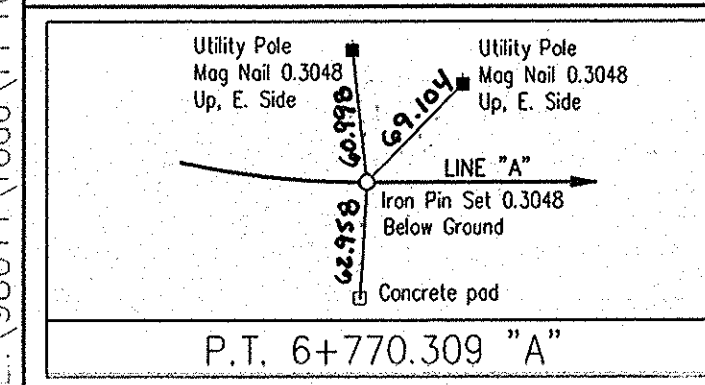
HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 8461360
SURVEY BOOK 16722	SHEETS 74 of 196
CONTRACT R26185	PROJECT NH-075-3(014)



Monument Type "C" Req'd  
P.T. Sta. 6+770.309 "A"



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RECOMMENDED FOR APPROVAL *Alan J. Delaney* 4/22/03  
DESIGN ENGINEER DATE

DESIGNED: JMM DRAWN: RGS  
CHECKED: AJD CHECKED: AJD

**INDIANA DEPARTMENT OF TRANSPORTATION**

**PLAN & PROFILE**  
**LINE "A" - U.S. 231**

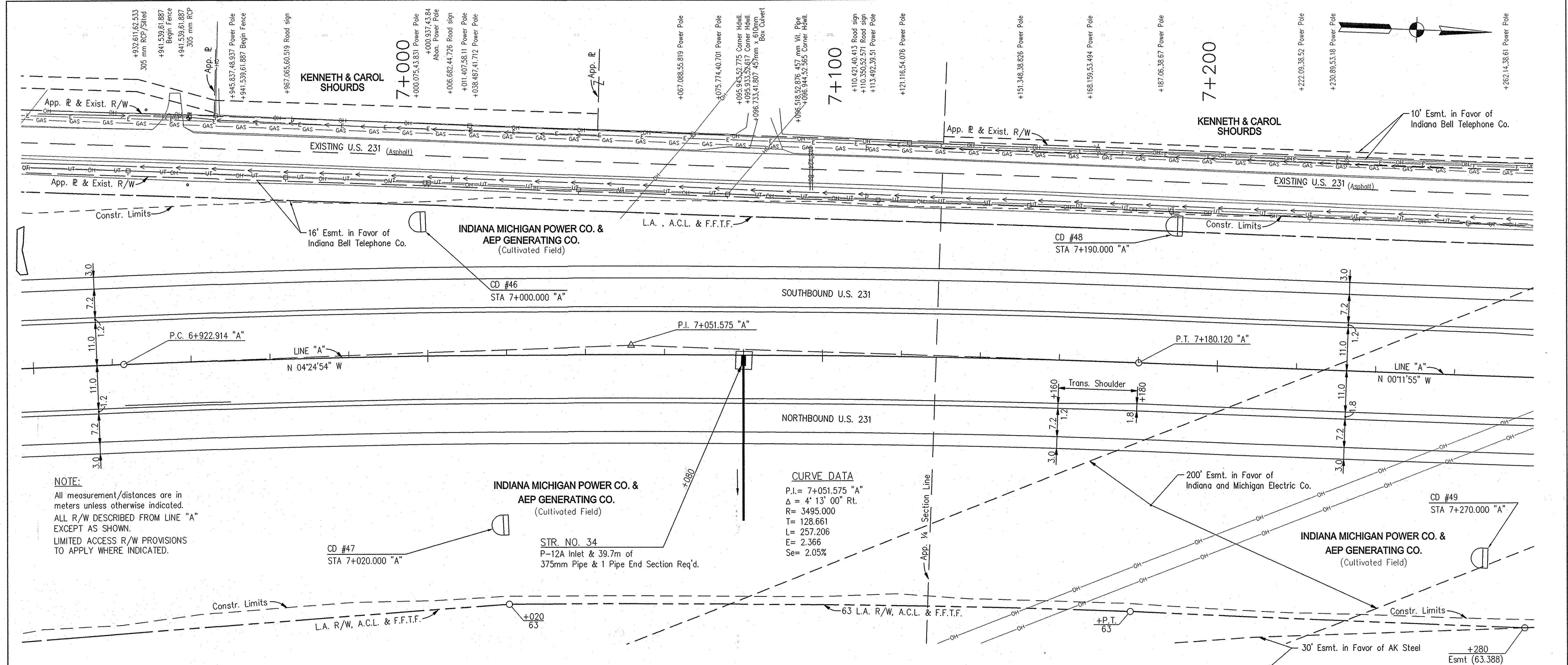
HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 8461360
SURVEY BOOK 16722	SHEETS 75 of 196
CONTRACT R 26185	PROJECT NH-075-3(014)



Monument Type 'C' Req'd  
P.C. Sta. 6+922.914 "A"

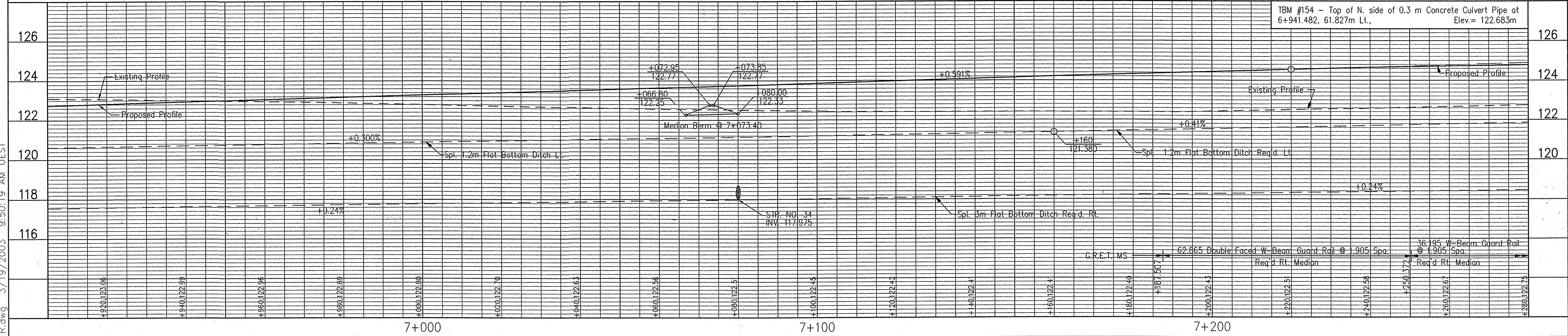
Monument Type 'C' Req'd  
P.I. Sta. 7+051.575 "A"

Monument Type 'C' Req'd  
P.T. Sta. 7+180.120 "A"



**NOTE:**  
All measurement/distances are in meters unless otherwise indicated.  
ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.  
LIMITED ACCESS R/W PROVISIONS TO APPLY WHERE INDICATED.

**CURVE DATA**  
P.I. = 7+051.575 "A"  
Δ = 4° 13' 00" Rt.  
R = 3495.000  
T = 128.661  
L = 257.206  
E = 2.366  
Se = 2.05%

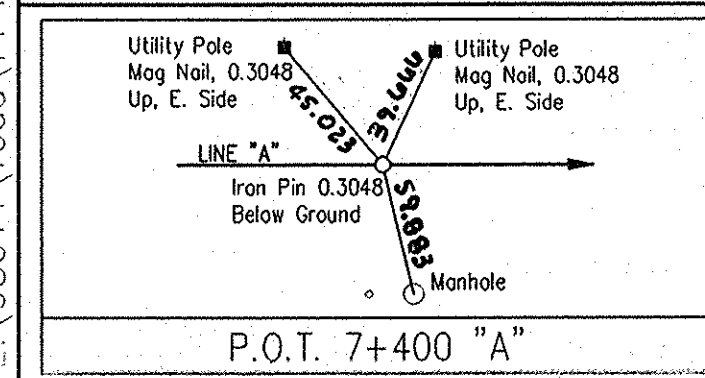
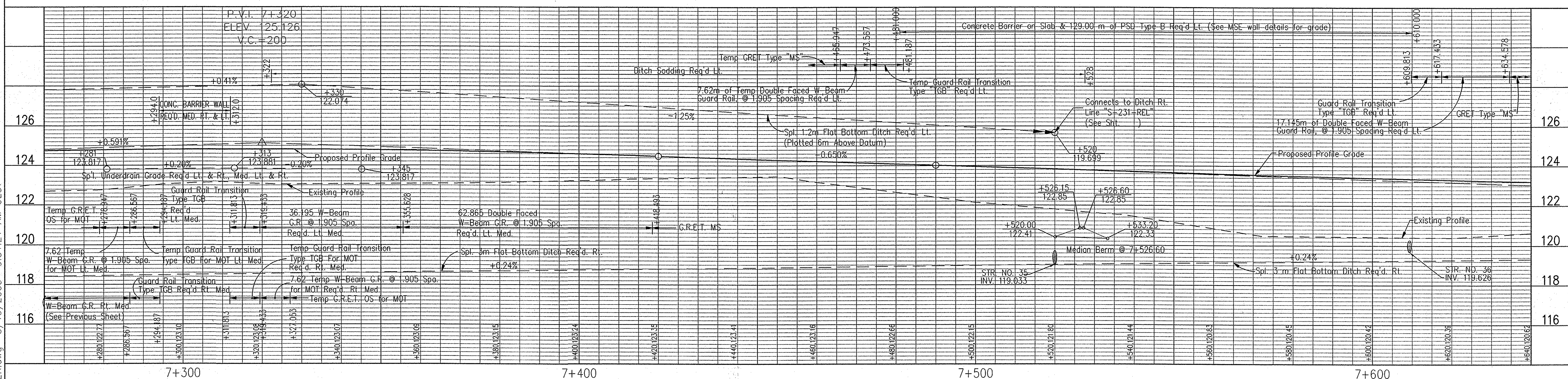
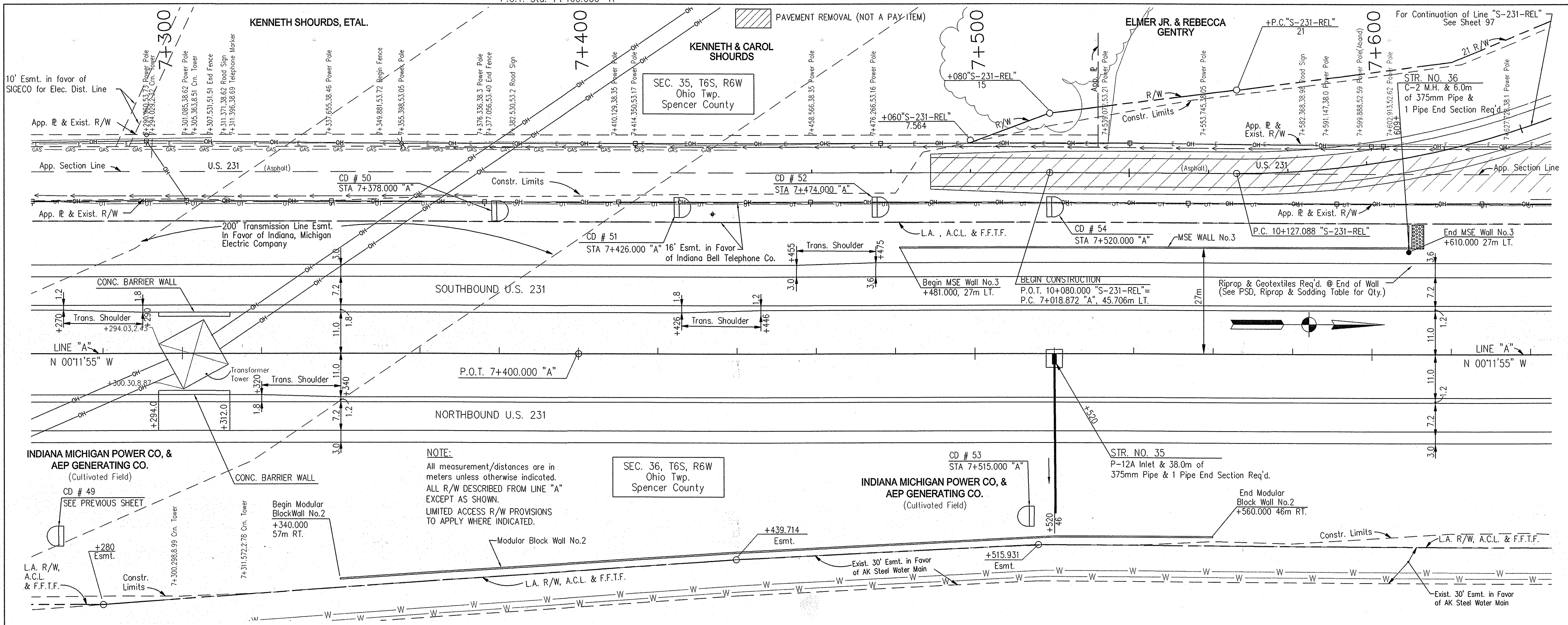


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<p>P.C. 6+922.914 "A"</p>	<p>P.I. 7+051.575 "A"</p>	<p>P.T. 7+180.120 "A"</p>		<p>RECOMMENDED FOR APPROVAL <i>Alan J. Delaney</i> 4/22/03 DESIGN ENGINEER DATE</p> <p>DESIGNED: JMM DRAWN: RGS CHECKED: AJD CHECKED: AJD</p>	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p><b>PLAN &amp; PROFILE</b> LINE "A" - U.S. 231</p>	<p>HORIZONTAL SCALE: 1:500 VERTICAL SCALE: 1:100</p> <p>SURVEY BOOK: 16722 CONTRACT: R 26185</p> <p>BRIDGE FILE: 8461360 SHEETS: 76 of 195 PROJECT: NH-075-3(014)</p>
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Monument type 'C' Req'd  
P.O.T. Sta. 7+400.000 "A"



DESIGNED: JMM	DRAWN: RCS
CHECKED: AJD	CHECKED: AJD

RECOMMENDED FOR APPROVAL *Alan J. Delaney* 4/22/03  
DESIGN ENGINEER DATE

DESIGNED: JMM DRAWN: RCS  
CHECKED: AJD CHECKED: AJD

INDIANA DEPARTMENT OF TRANSPORTATION

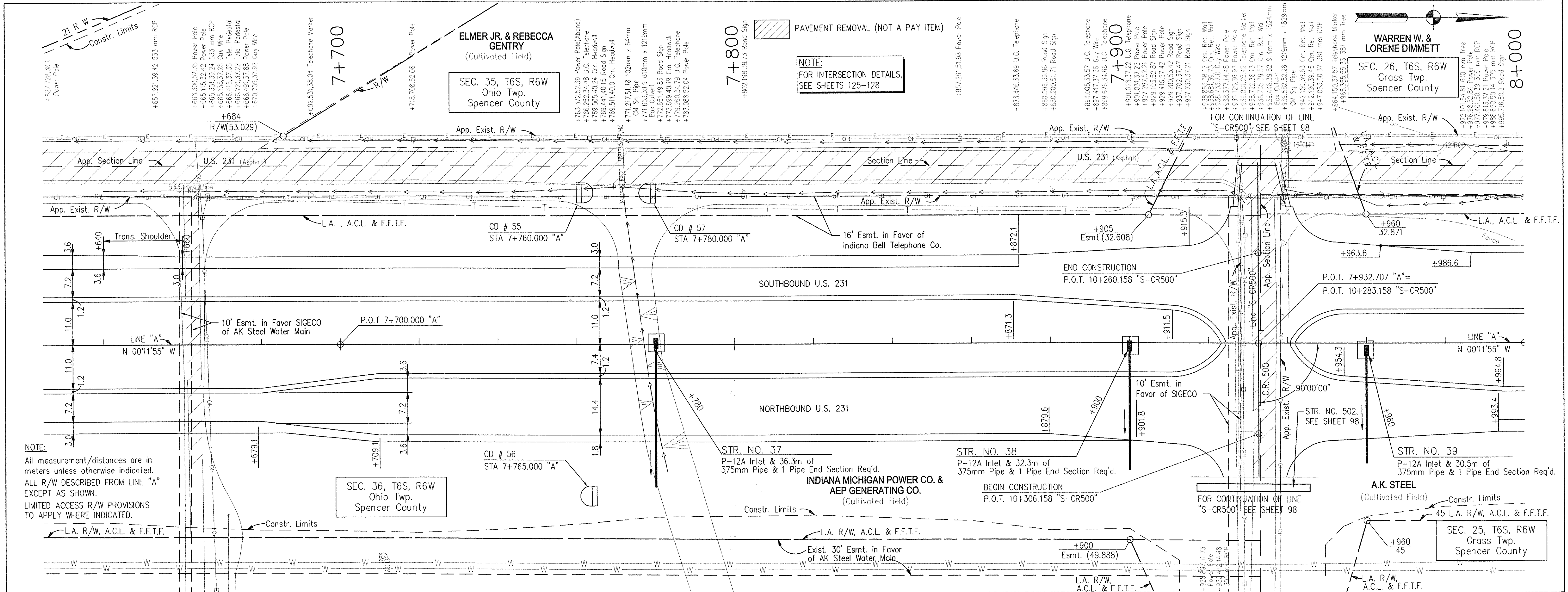
PLAN & PROFILE  
LINE "A" - U.S. 231

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 8461360
SURVEY BOOK 16722	SHEETS 77 of 196
CONTRACT R 26185	PROJECT NH-075-3(014)

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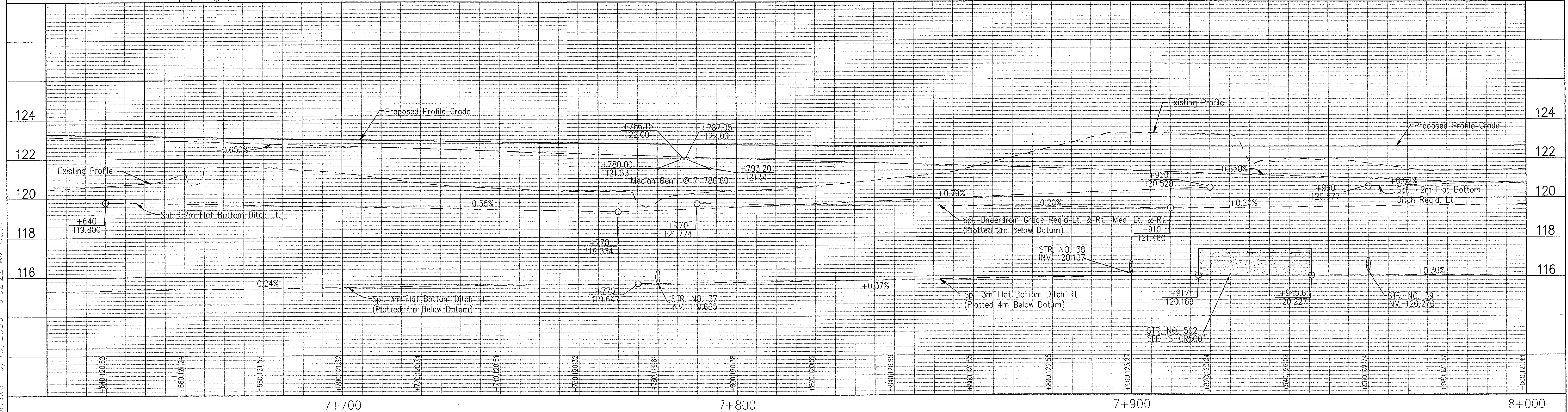


Monument Type "C" Req'd  
P.O.T. Sta. 7+700.000 "A"



NOTE:  
All measurement/distances are in meters unless otherwise indicated.  
ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.  
LIMITED ACCESS R/W PROVISIONS TO APPLY WHERE INDICATED.

NOTE:  
FOR INTERSECTION DETAILS, SEE SHEETS 125-128



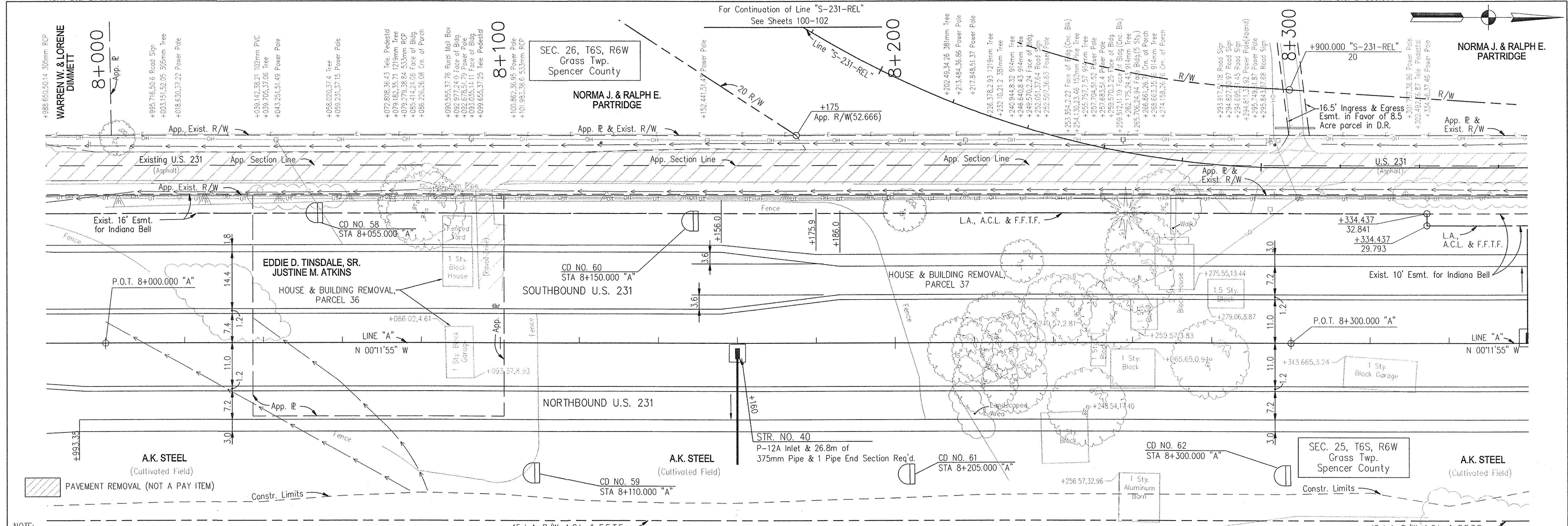
<p>P.O.T. 7+700 "A"</p>	<p>P.O.T. 8+000 "A"</p>			<p>RECOMMENDED FOR APPROVAL <i>Alan J. DeLaney</i> 4/22/03 DESIGN ENGINEER DATE</p> <p>DESIGNED: JMM DRAWN: RGS CHECKED: AJD CHECKED: AJD</p>	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>PLAN &amp; PROFILE LINE "A" - U.S. 231</p>	<table border="1"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1:500</td> <td></td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>1:100</td> <td>8461360</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEETS</td> </tr> <tr> <td>16722</td> <td>78 of 196</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>R 26185</td> <td>NH-075-3(014)</td> </tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1:500		VERTICAL SCALE	DESIGNATION	1:100	8461360	SURVEY BOOK	SHEETS	16722	78 of 196	CONTRACT	PROJECT	R 26185	NH-075-3(014)
HORIZONTAL SCALE	BRIDGE FILE																					
1:500																						
VERTICAL SCALE	DESIGNATION																					
1:100	8461360																					
SURVEY BOOK	SHEETS																					
16722	78 of 196																					
CONTRACT	PROJECT																					
R 26185	NH-075-3(014)																					

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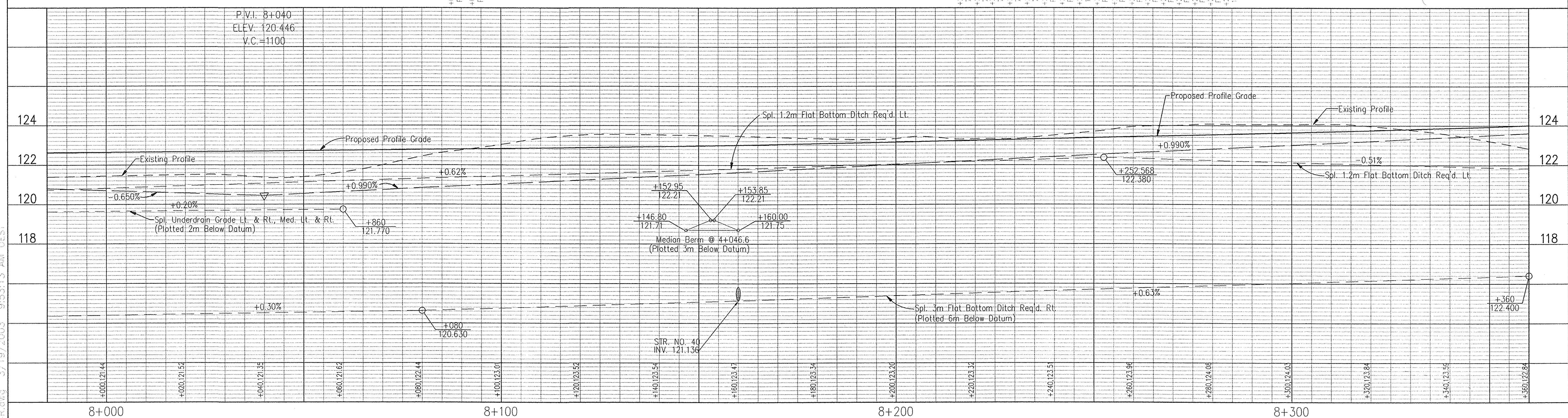
Monument Type "C" Req'd  
P.O.T. Sta. 8+000.000 "A"

Monument Type "C" Req'd  
P.O.T. Sta. 8+300.000 "A"



NOTE: All measurement/distances are in meters unless otherwise indicated. ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN. LIMITED ACCESS R/W PROVISIONS TO APPLY WHERE INDICATED.

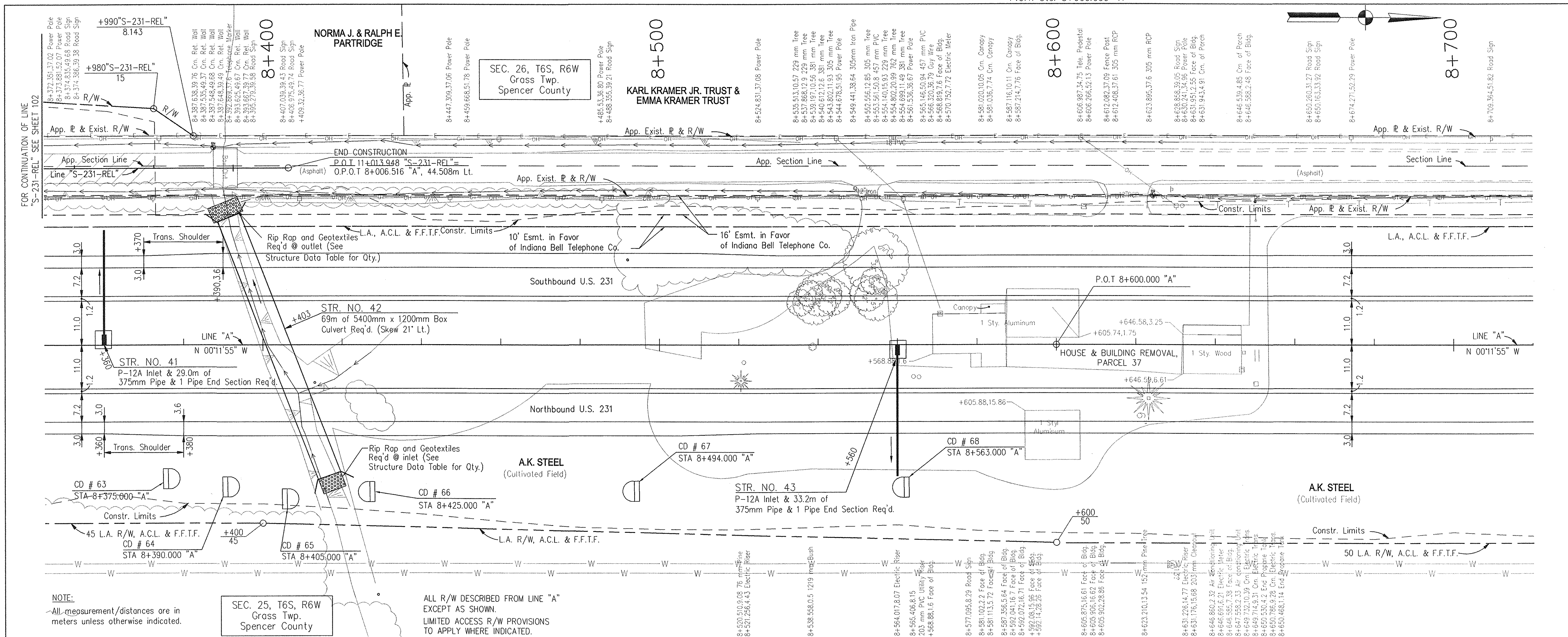
45 L.A. R/W, A.C.L. & F.F.T.F.



<p>P.O.T. 8+000 "A"</p>	<p>P.O.T. 8+300 "A"</p>		<p>RECOMMENDED FOR APPROVAL: <i>Alan J. Delaney</i> 4/22/03 DESIGN ENGINEER DATE</p> <p>DESIGNED: JMM DRAWN: RGS CHECKED: AJD CHECKED: AJD</p>	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>PLAN &amp; PROFILE LINE "A" - U.S. 231</p>	<table border="1"> <tr> <td>HORIZONTAL SCALE 1:500</td> <td>BRIDGE FILE</td> </tr> <tr> <td>VERTICAL SCALE 1:100</td> <td>DESIGNATION 8461360</td> </tr> <tr> <td>SURVEY BOOK 16722</td> <td>SHEETS 79 of 196</td> </tr> <tr> <td>CONTRACT R 26185</td> <td>PROJECT NH-075-3(014)</td> </tr> </table>	HORIZONTAL SCALE 1:500	BRIDGE FILE	VERTICAL SCALE 1:100	DESIGNATION 8461360	SURVEY BOOK 16722	SHEETS 79 of 196	CONTRACT R 26185	PROJECT NH-075-3(014)
HORIZONTAL SCALE 1:500	BRIDGE FILE												
VERTICAL SCALE 1:100	DESIGNATION 8461360												
SURVEY BOOK 16722	SHEETS 79 of 196												
CONTRACT R 26185	PROJECT NH-075-3(014)												

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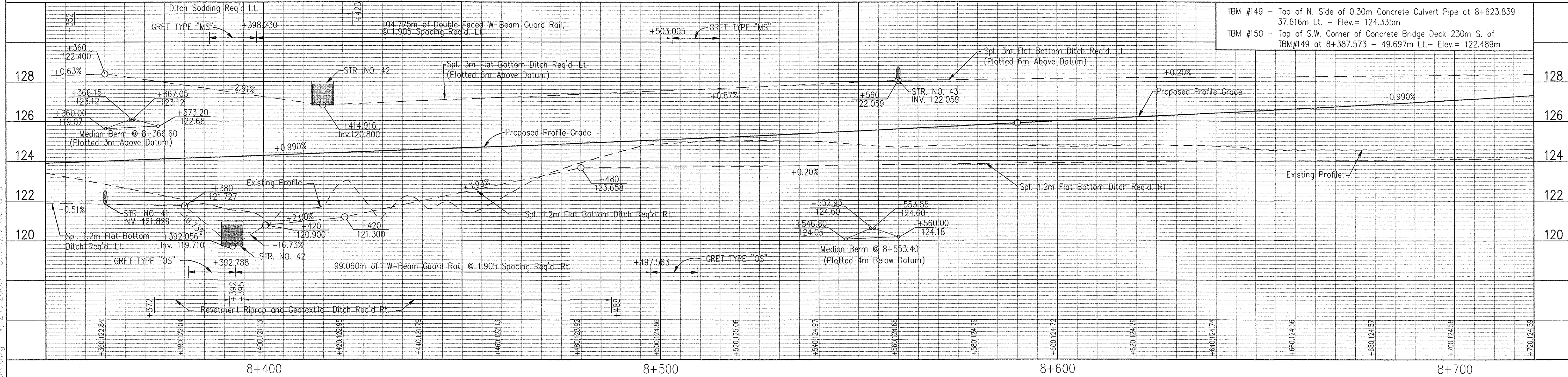




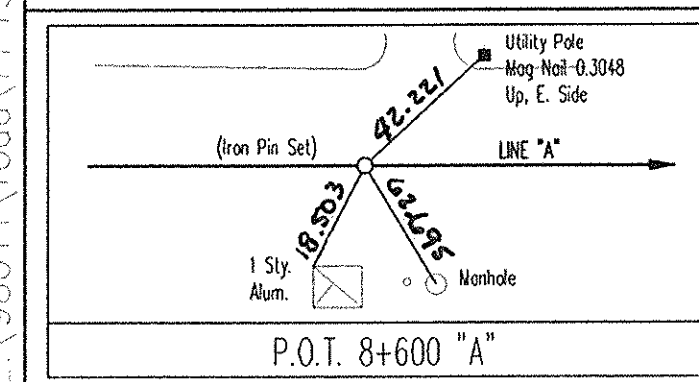
NOTE:  
All measurement/distances are in meters unless otherwise indicated.

SEC. 25, T6S, R6W  
Gross Twp.  
Spencer County

ALL R/W DESCRIBED FROM LINE "A"  
EXCEPT AS SHOWN.  
LIMITED ACCESS R/W PROVISIONS  
TO APPLY WHERE INDICATED.



TBM #149 - Top of N. Side of 0.30m Concrete Culvert Pipe at 8+623.839  
37.616m Lt. - Elev. = 124.335m  
TBM #150 - Top of S.W. Corner of Concrete Bridge Deck 230m S. of  
TBM #149 at 8+387.573 - 49.697m Lt. - Elev. = 122.489m



RECOMMENDED FOR APPROVAL  
*Alan J. DeLuca*  
DESIGN ENGINEER  
DATE: 4/22/03

DESIGNED: JMM  
DRAWN: RGS  
CHECKED: AJD  
CHECKED: AJD

INDIANA  
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE  
LINE "A" - U.S. 231

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 8461360
SURVEY BOOK 16722	SHEETS 80 of 196
CONTRACT R26185	PROJECT NH-075-3(014)

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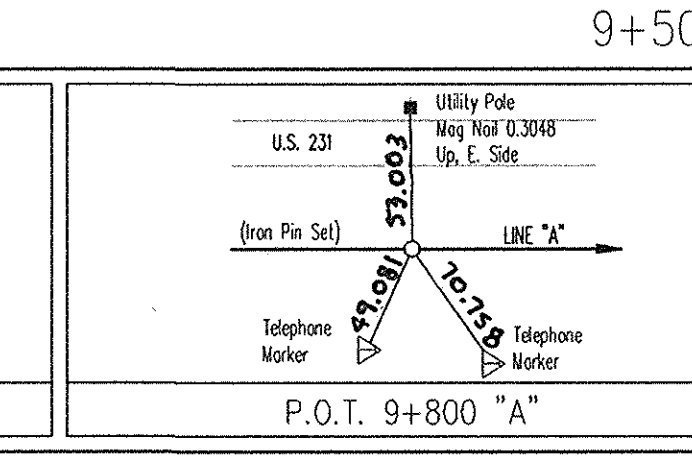
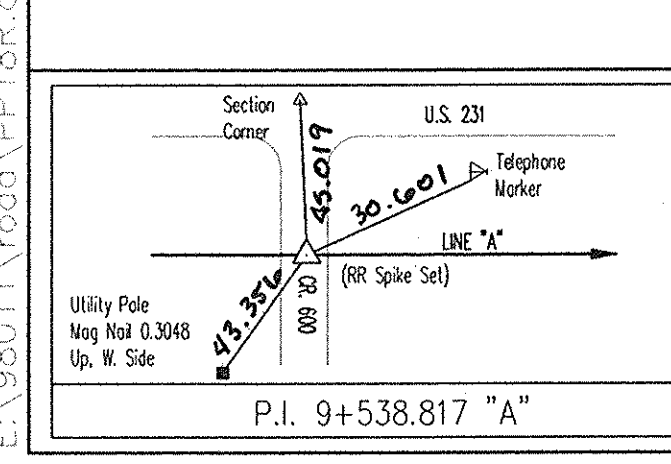
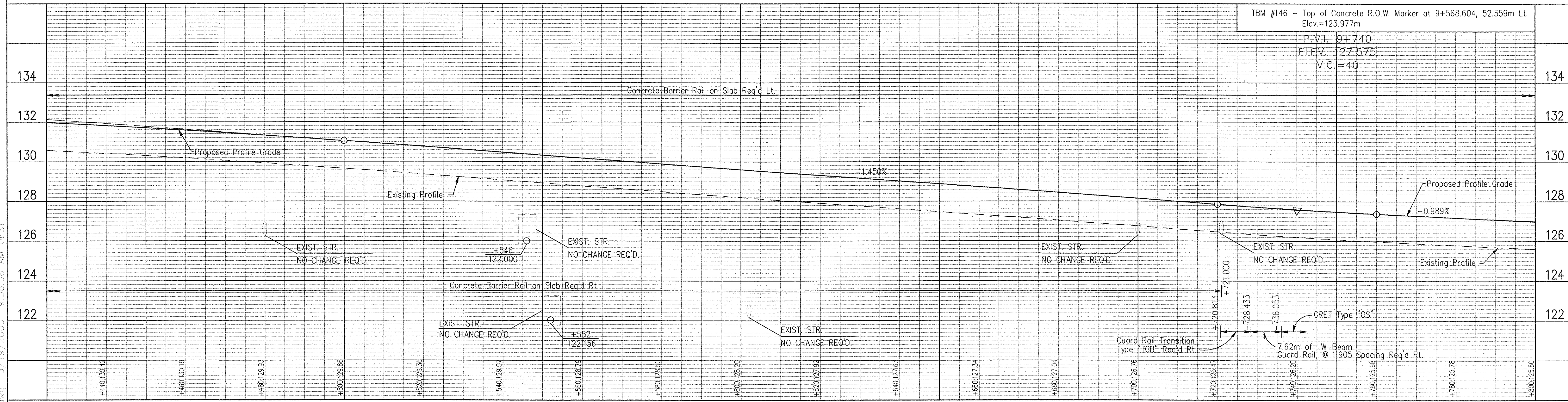
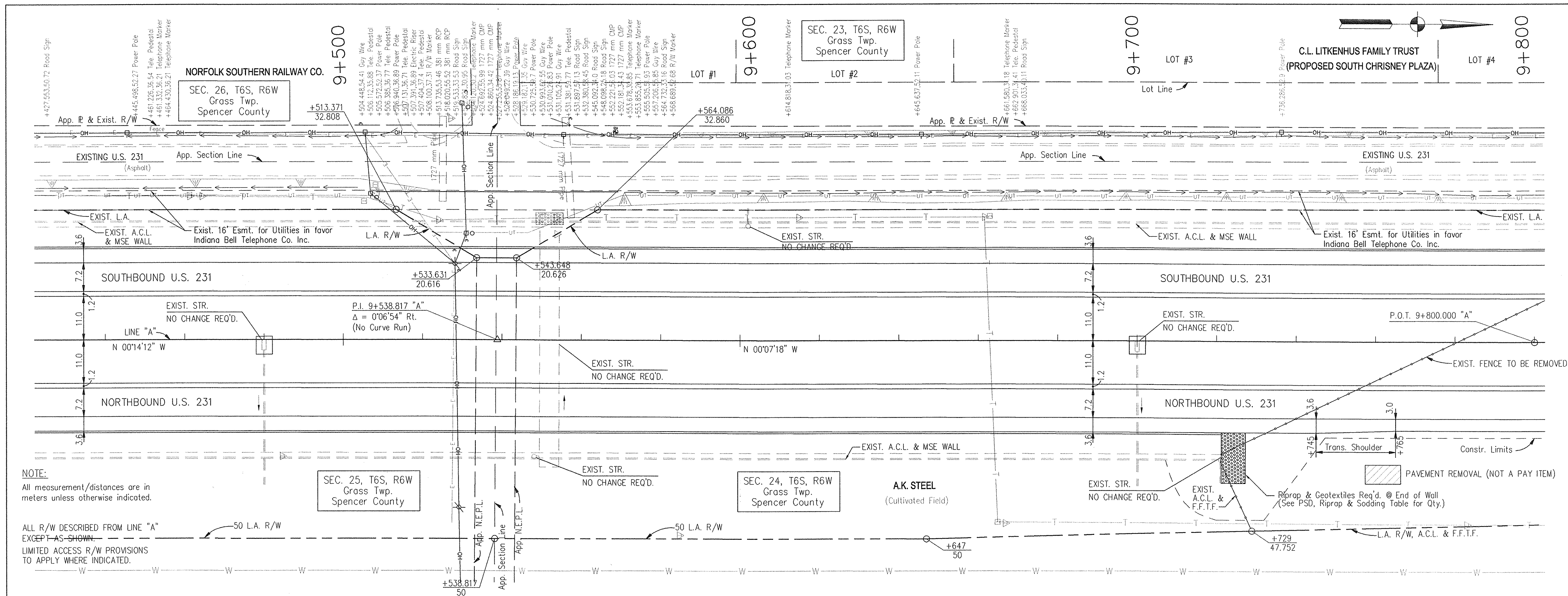












RECOMMENDED FOR APPROVAL *Alan J. Delaney* 4/22/03  
DESIGN ENGINEER DATE

DESIGNED: JMM DRAWN: RCS  
CHECKED: AJD CHECKED: AJD

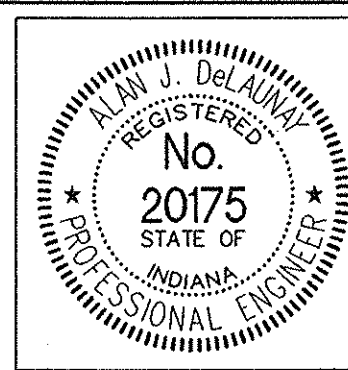
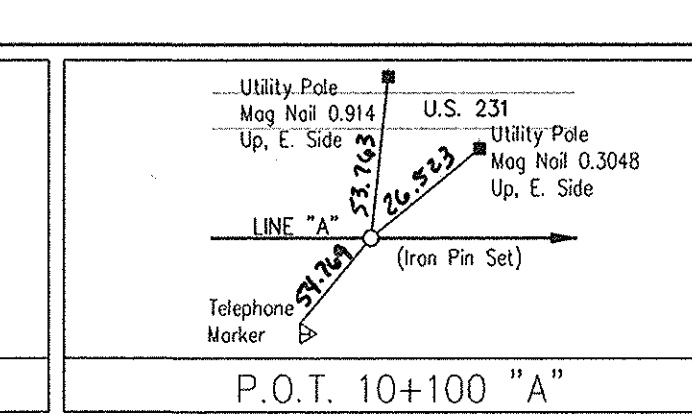
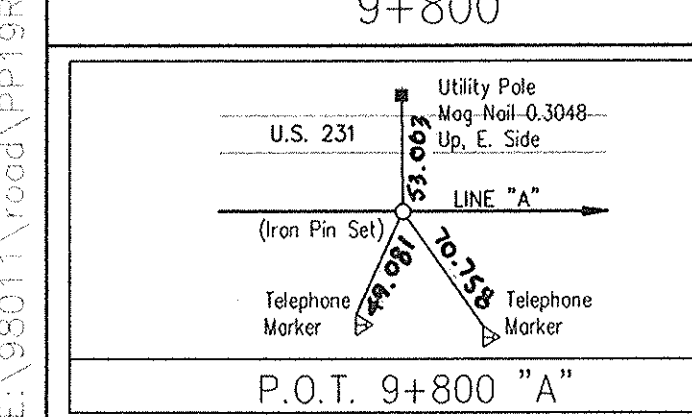
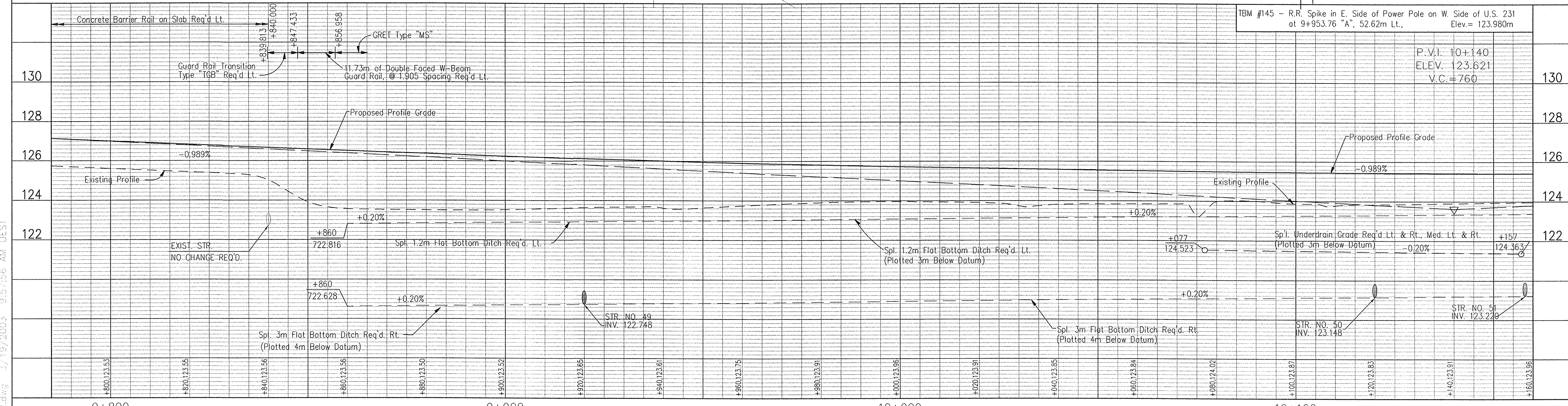
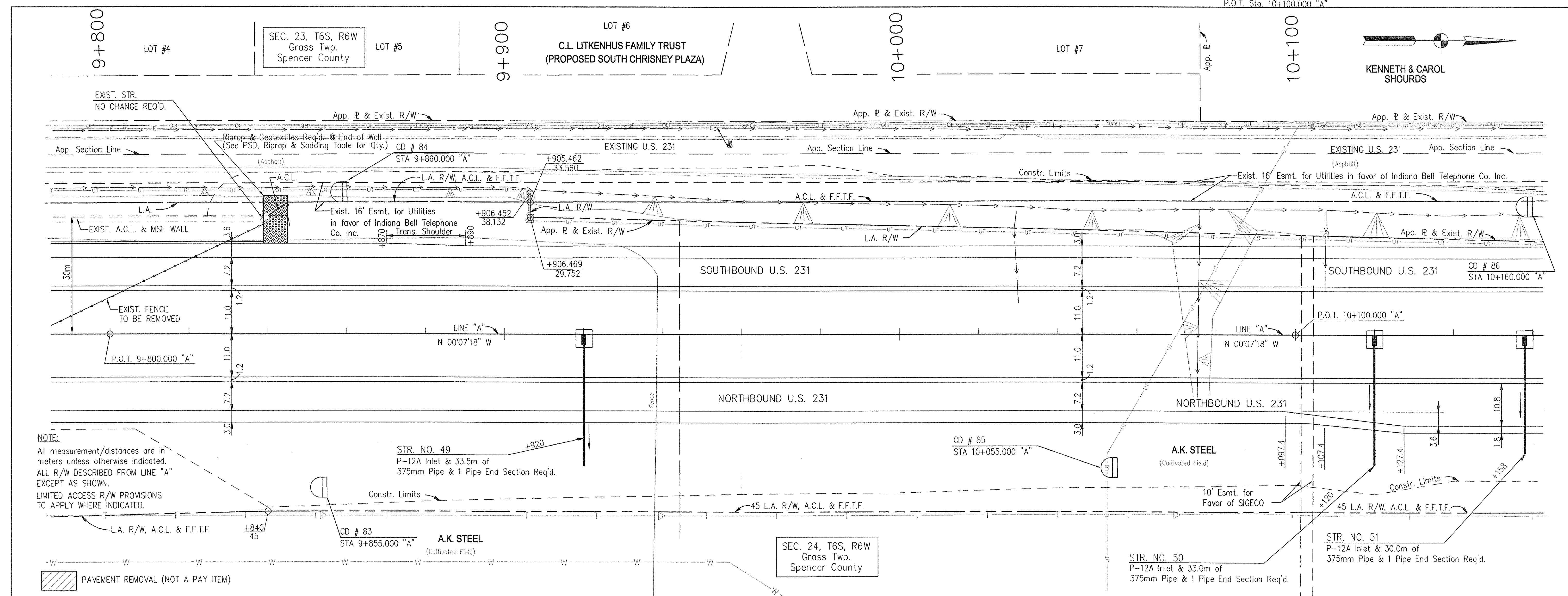
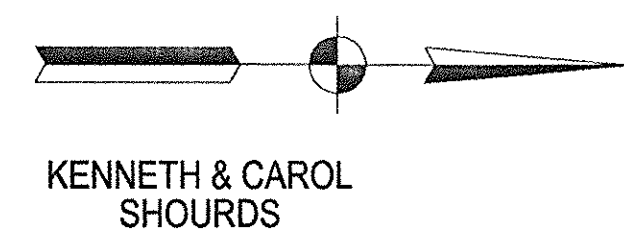
INDIANA DEPARTMENT OF TRANSPORTATION  
**PLAN & PROFILE  
LINE "A" - U.S. 231**

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 8461360
SURVEY BOOK 16722	SHEETS 83 of 196
CONTRACT R 26185	PROJECT NH-075-3(014)

E:\98011\Road\PP18R.dwg 3/19/2003 9:56:58 AM WEST



Monument Type "C" Req'd  
P.O.T. Sta 10+100.000 "A"



RECOMMENDED FOR APPROVAL: *Alan J. DeLainy* 4/22/03  
DESIGN ENGINEER DATE

DESIGNED: JMM DRAWN: RCS  
CHECKED: AJD CHECKED: AJD

INDIANA DEPARTMENT OF TRANSPORTATION

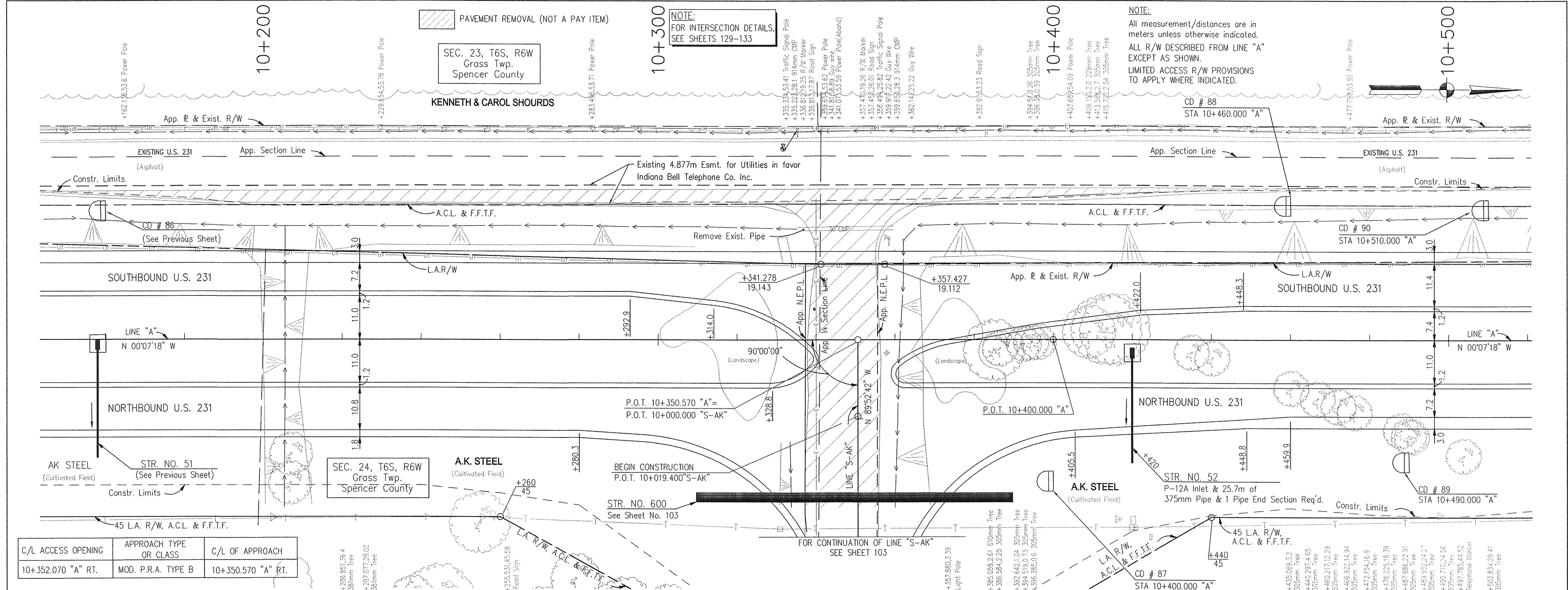
PLAN & PROFILE  
LINE "A" - U.S. 231

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 8461360
SURVEY BOOK 16722	SHEETS 84 of 196
CONTRACT R 26185	PROJECT NH-075-3(014)

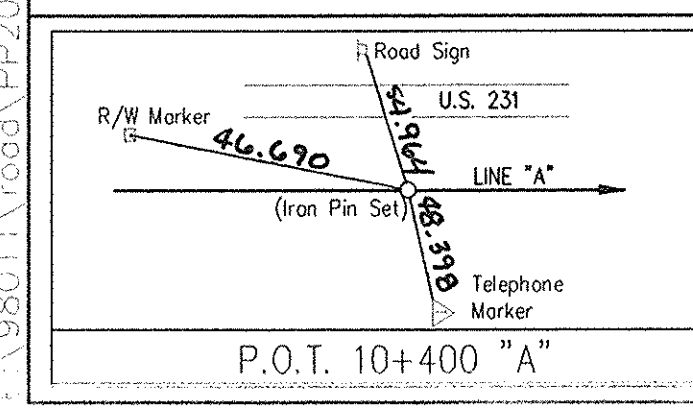
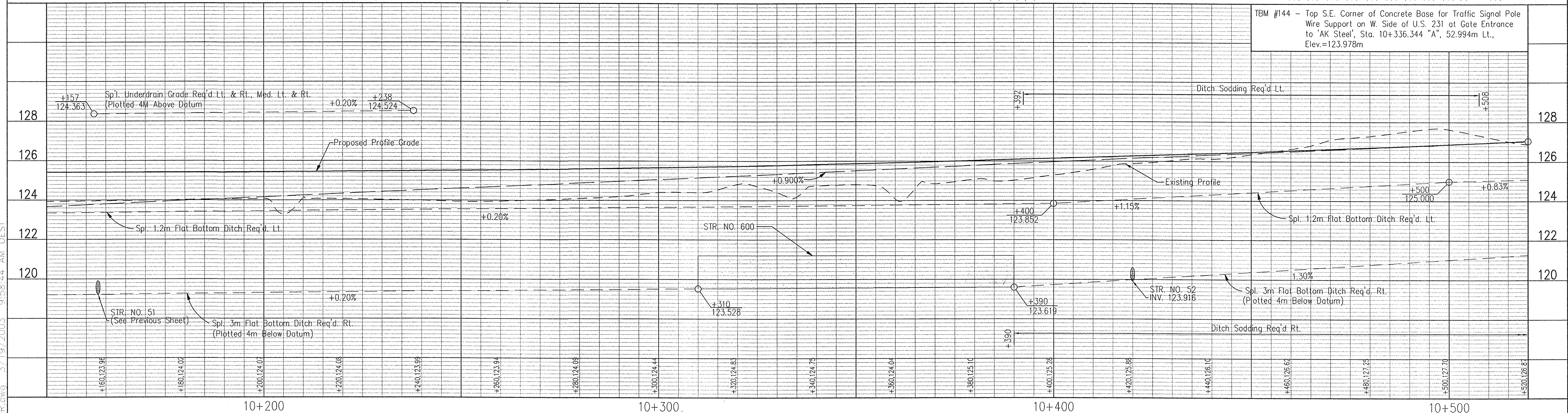
E:\9801\Wood\PP19R.dwg 3/19/2003 9:57:56 AM UEST



Monument Type "B" Req'd  
P.O.T. Sta. 10+350.570 "A"



C/L ACCESS OPENING	APPROACH TYPE OR CLASS	C/L OF APPROACH
10+352.070 "A" RT.	MOD. P.R.A. TYPE B	10+350.570 "A" RT.



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RECOMMENDED FOR APPROVAL: *Ala. J. Launay* 4/22/03  
DESIGN ENGINEER DATE

DESIGNED: JMM DRAWN: RGS  
CHECKED: AJD CHECKED: AJD

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE  
LINE "A" - U.S. 231

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 8461360
SURVEY BOOK 16722	SHEETS 85 of 196
CONTRACT R 26185	PROJECT NH-075-3(014)

I:\9801\road\pp20r.dwg 3/19/2003 9:58:44 AM UEST



Monument Type "C" Req'd  
P.O.T. Sta. 10+525.000 "A"

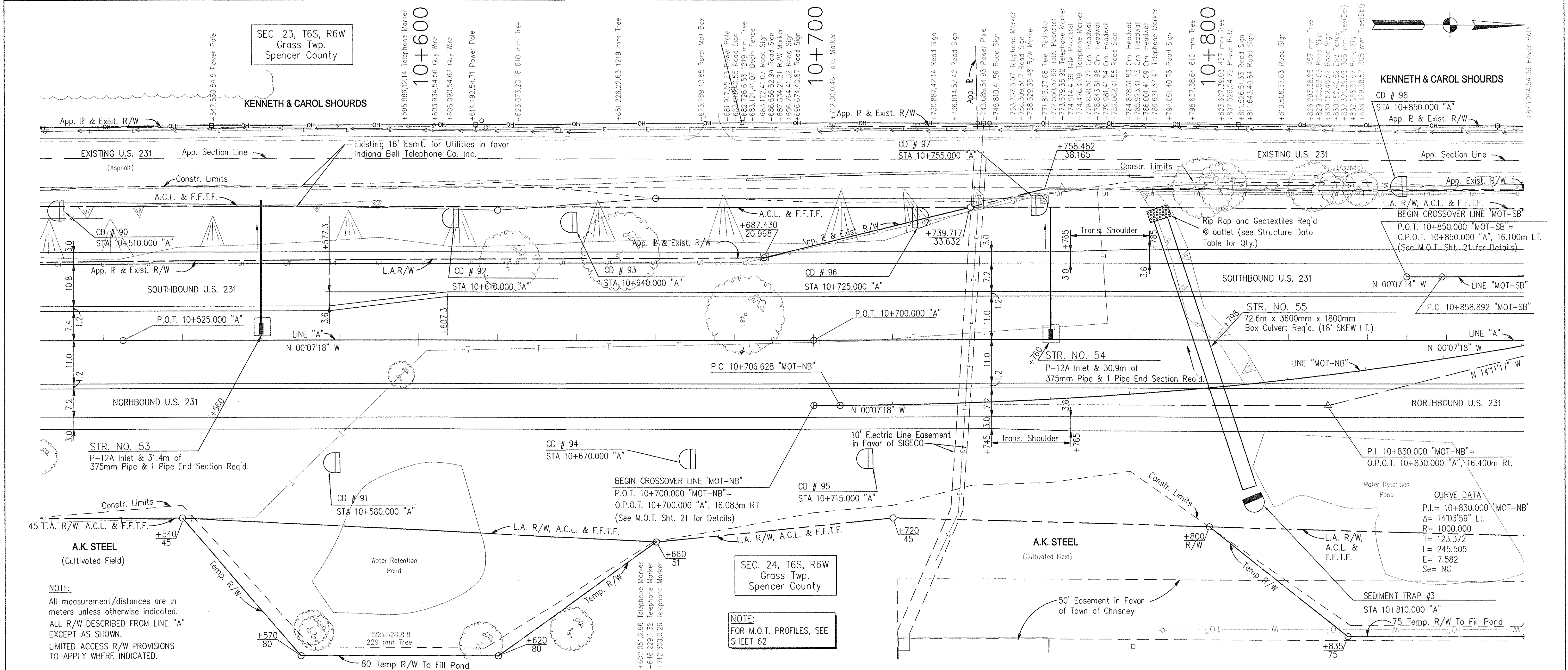
Monument Type "C" Req'd  
P.O.T. Sta. 10+700.000 "A"

SEC. 23, T6S, R6W  
Gross Twp.  
Spencer County

10+600

10+700

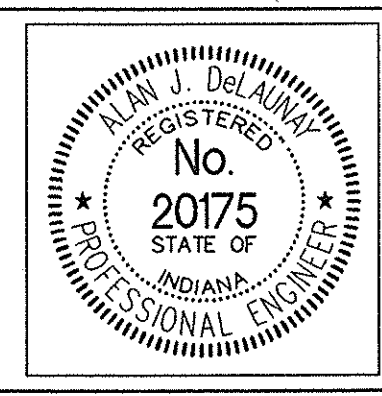
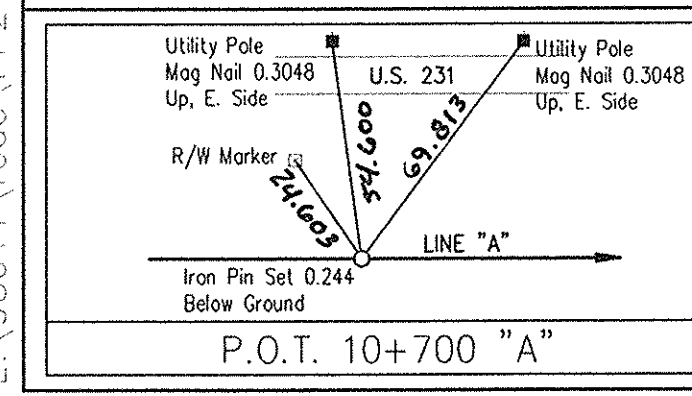
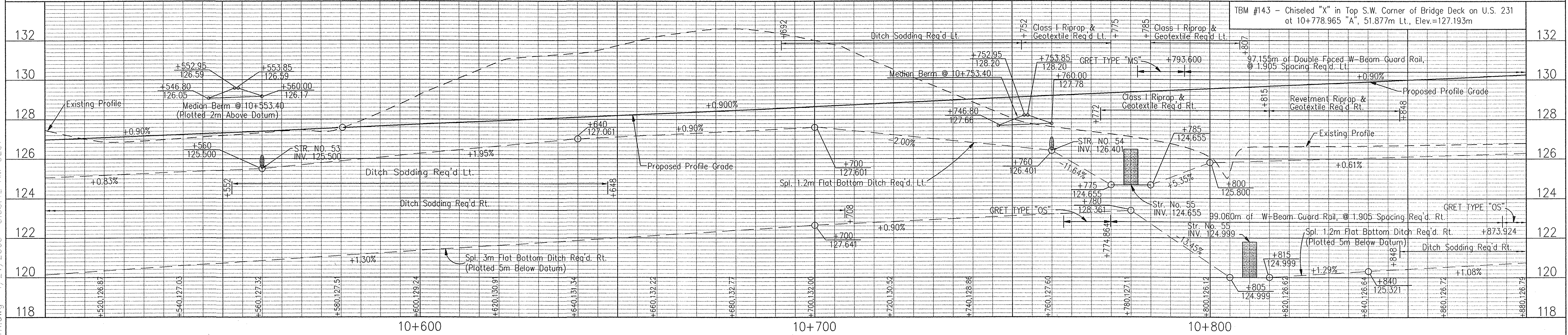
10+800



**NOTE:**  
All measurement/distances are in meters unless otherwise indicated.  
ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.  
LIMITED ACCESS R/W PROVISIONS TO APPLY WHERE INDICATED.

**NOTE:**  
FOR M.O.T. PROFILES, SEE SHEET 62

**CURVE DATA**  
P.I. = 10+830.000 "MOT-NB"  
Δ = 140°3'59" Lt.  
R = 1000.000  
T = 123.372  
L = 245.505  
E = 7.582  
Se = NC



RECOMMENDED FOR APPROVAL *Alan J. DeLaney* 4/22/03  
DESIGN ENGINEER DATE

DESIGNED: JMM DRAWN: RGS  
CHECKED: AJD CHECKED: AJD

INDIANA DEPARTMENT OF TRANSPORTATION

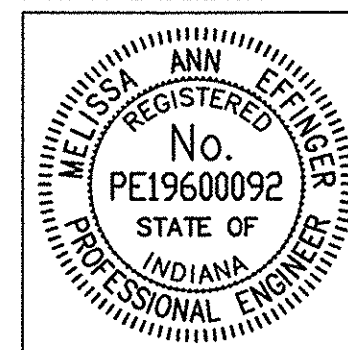
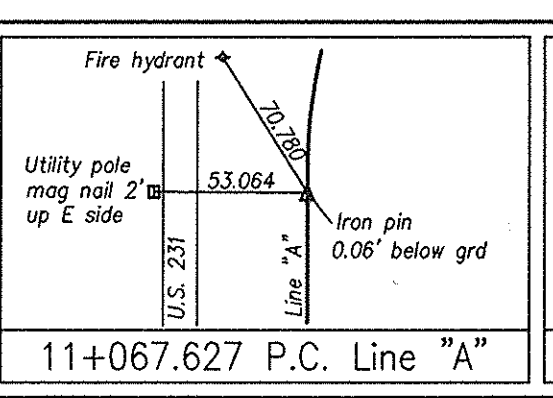
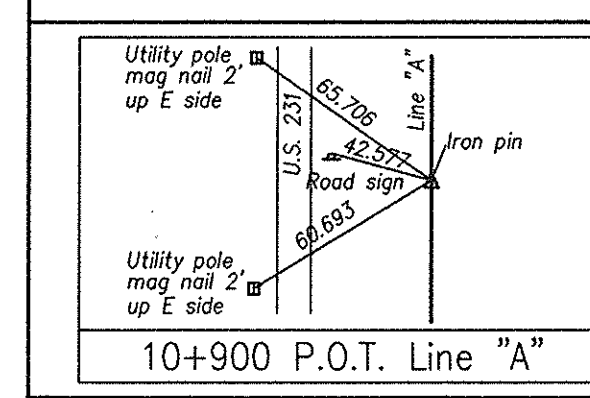
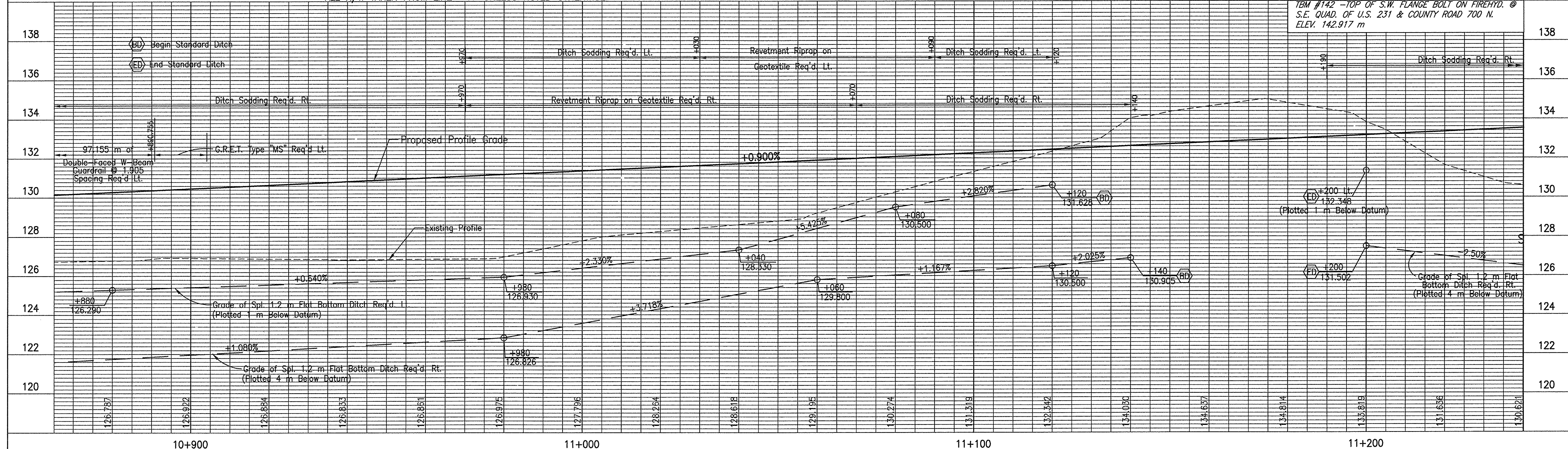
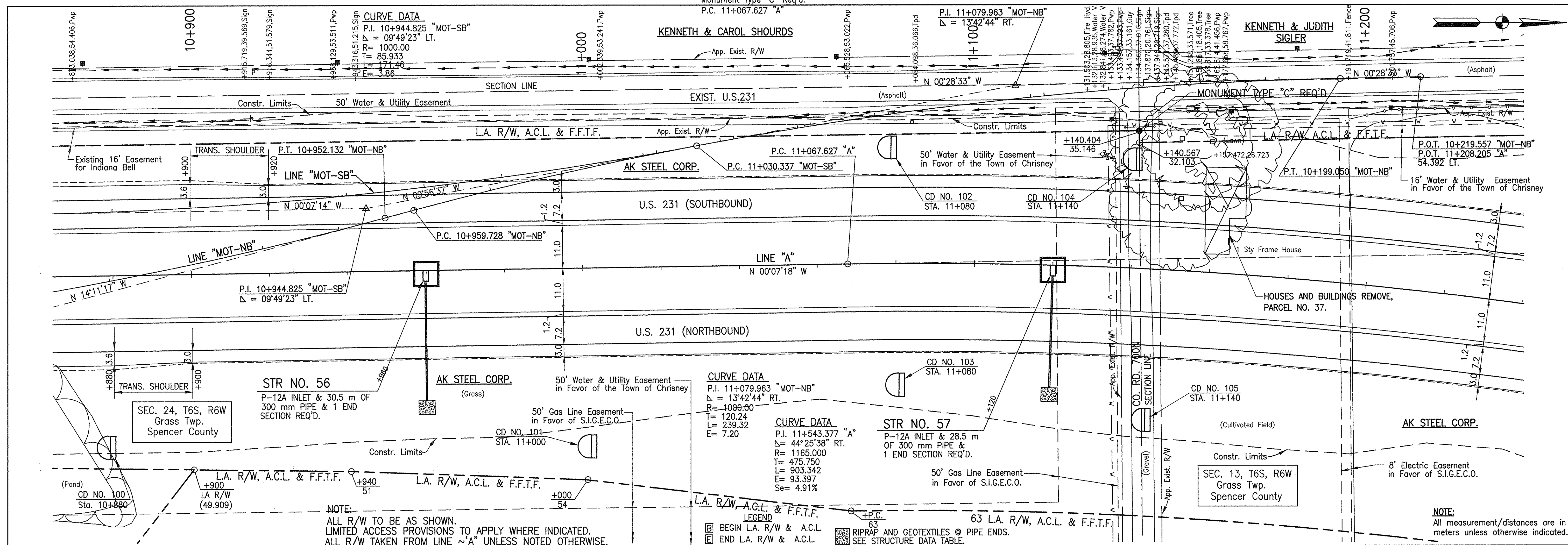
PLAN & PROFILE  
LINE "A" - U.S. 231

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	8461360
SURVEY BOOK	SHEETS
16722	86 of 196
CONTRACT	PROJECT
R26185	NH-075-3 (014)

E:\98011\road\PP21R.dwg 4/21/2003 8:58:42 AM WEST



Monument Type "C" Req'd.  
P.C. 11+067.627 "A"



RECOMMENDED FOR APPROVAL  
DESIGN ENGINEER  
DATE 04-22-03  
DESIGNED: M.A.E.  
DRAWN: R.D.S.  
CHECKED: P.L.K.  
CHECKED: M.A.E.

INDIANA DEPARTMENT OF TRANSPORTATION  
PLAN & PROFILE  
LINE "A"

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 8461360
SURVEY BOOK 16722	SHEETS 87 of 196
CONTRACT R-26185	PROJECT NH-075-3(014)

Time: 03/24/03  
 Scale: 1" = 100'  
 Drawing File: 210\_V(DWG)PLAN & PROFILE\ghess-10\p-r-021.dwg (Cfma)











**NOTE:**  
 All measurement/distances are in meters unless otherwise indicated.  
 ALL R/W DESCRIBED FROM LINE "PR-CR200N"  
 EXCEPT AS SHOWN.  
 LIMITED ACCESS R/W PROVISIONS TO APPLY WHERE INDICATED.

SEC. 11, T7S, R6W  
 Ohio Twp.  
 Spencer County

Monument Type "B" Req'd  
 P.I. 9+929.402 "PR-CR200N"

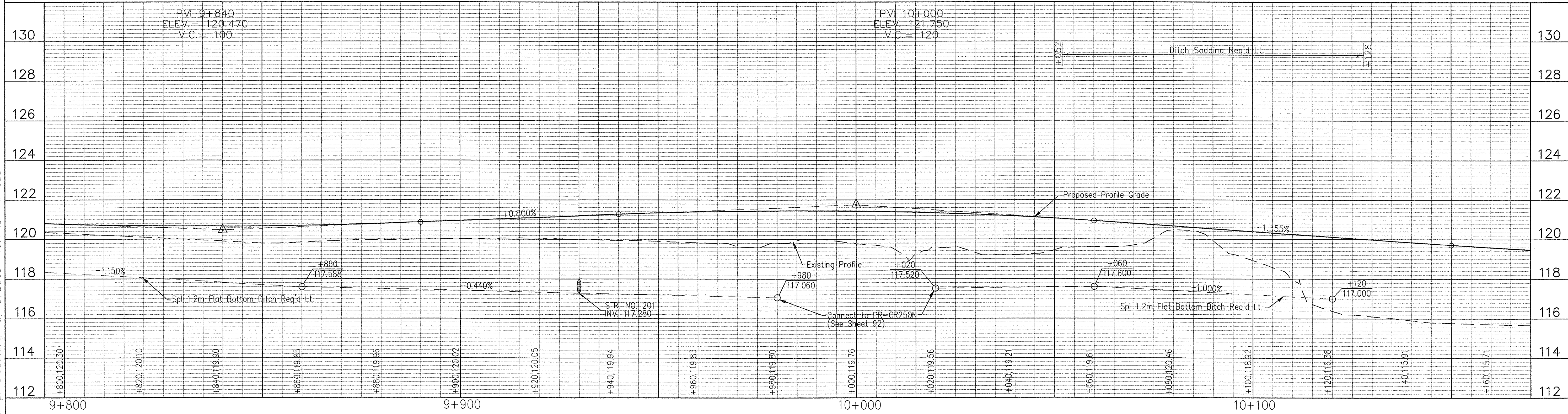
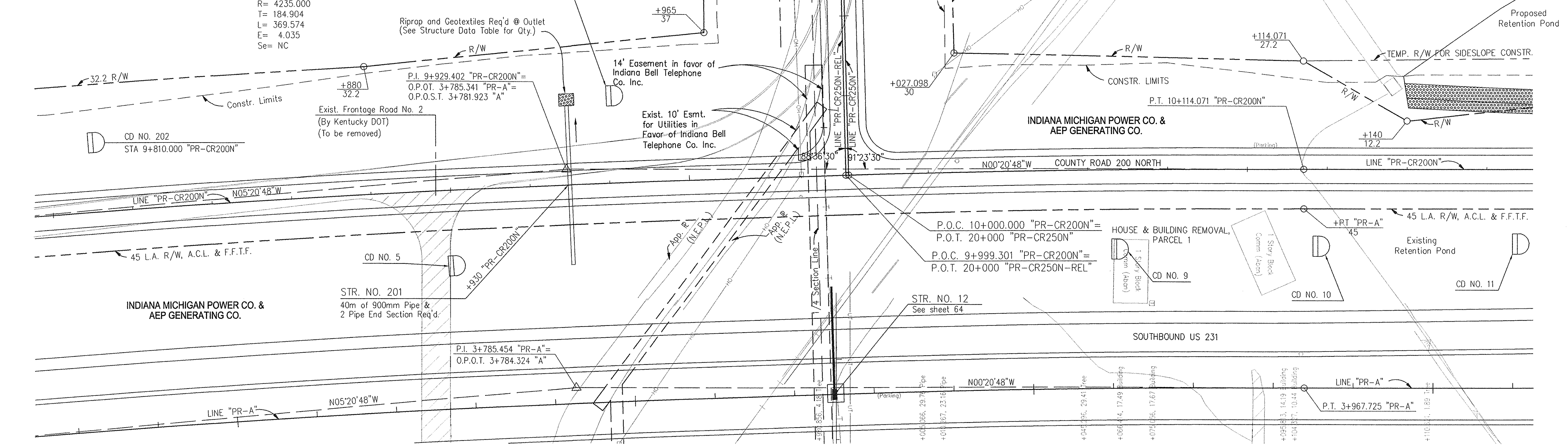
For Continuation of Line  
 "PR-CR250N-REL" See Sheet 92

Monument Type "B" Req'd  
 P.T. 10+114.071 "PR-CR200N"

PAVEMENT REMOVAL (NOT A PAY ITEM)

**CURVE DATA**  
 P.I. = 9+929.402 "PR-CR200N"  
 $\Delta = 5'00''00''$  Rt.  
 $R = 4235.000$   
 $T = 184.904$   
 $L = 369.574$   
 $E = 4.035$   
 $Se = NC$

CD NO. 203  
 STA 9+940.000 "PR-CR200N"



E:\98011\road\cr200-cr-cr200.dwg 3/19/2003 10:17:51 AM UEST

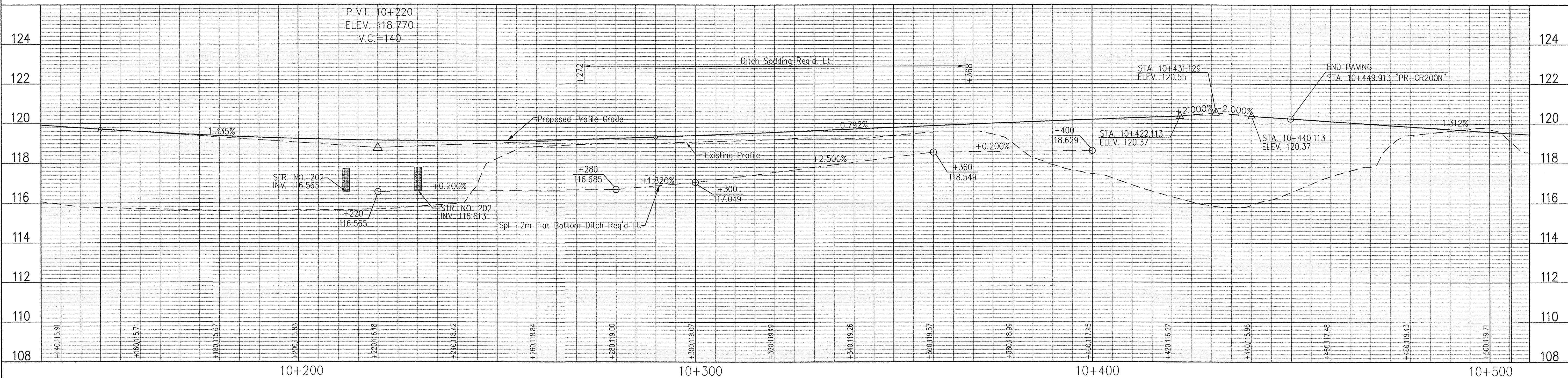
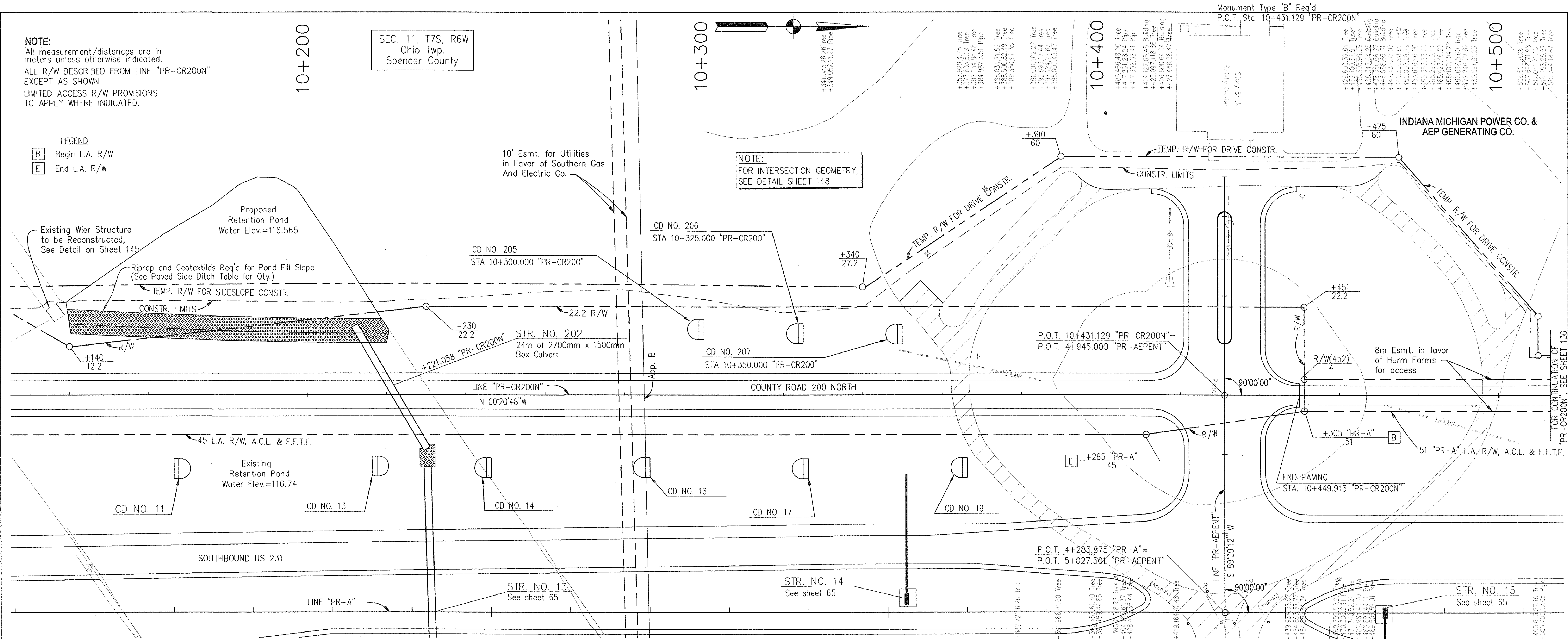
		RECOMMENDED FOR APPROVAL <i>Alan J. DeLuca</i> 4/22/03 DESIGN ENGINEER DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>  <b>PLAN &amp; PROFILE LINE "PR-CR200N"</b>	HORIZONTAL SCALE 1:500	BRIDGE FILE DESIGNATION 8461360
DESIGNED: JMM CHECKED: AJD	DRAWN: JRG CHECKED: AJD	SURVEY BOOK 16722		SHEETS 90 of 196	CONTRACT R26185



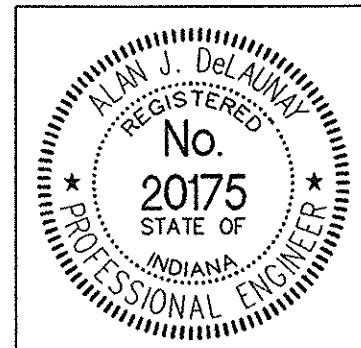
**NOTE:**  
 All measurement/distances are in meters unless otherwise indicated.  
 ALL R/W DESCRIBED FROM LINE "PR-CR200N" EXCEPT AS SHOWN.  
 LIMITED ACCESS R/W PROVISIONS TO APPLY WHERE INDICATED.

**LEGEND**  
 [B] Begin L.A. R/W  
 [E] End L.A. R/W

SEC. 11, T7S, R6W  
 Ohio Twp.  
 Spencer County



E:\9801\1\road\p02-pr-cr200.dwg 3/19/2003 10:19:03 AM UEST



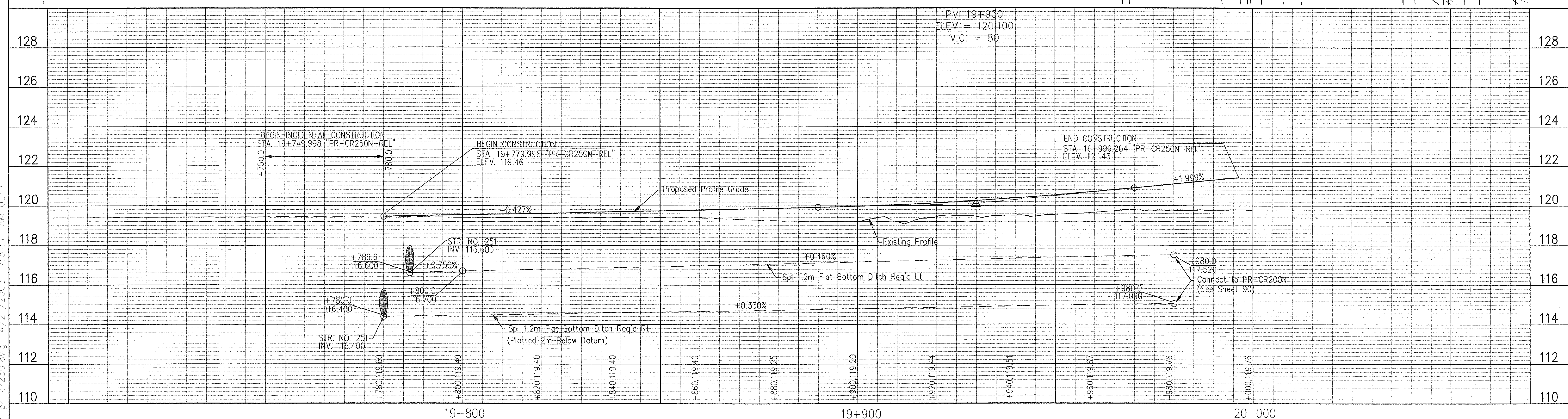
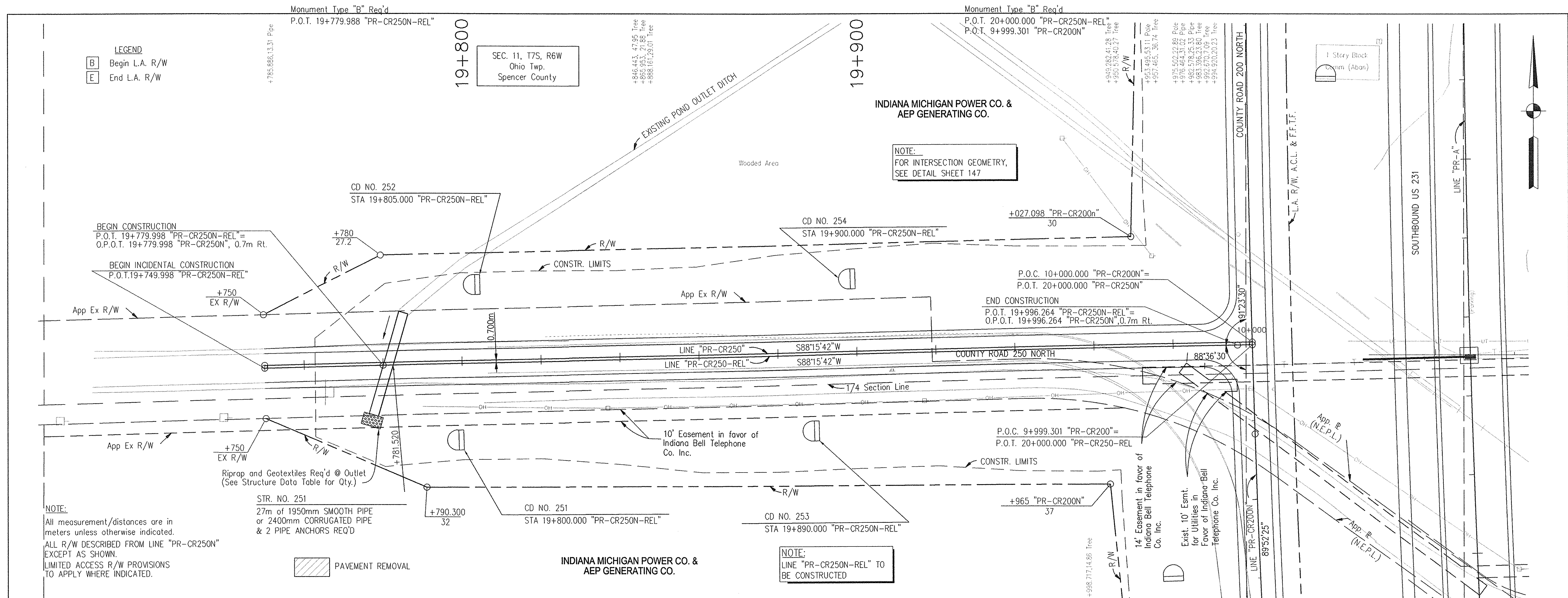
RECOMMENDED FOR APPROVAL  
*Alan J. Delaney* 4/22/03  
 DESIGN ENGINEER DATE

DESIGNED: JMM DRAWN: JRC  
 CHECKED: AJD CHECKED: AJD

INDIANA DEPARTMENT OF TRANSPORTATION  
**PLAN & PROFILE**  
**LINE "PR-CR200N"**

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 8461360
SURVEY BOOK 16722	SHEETS 91 of 196
CONTRACT R26185	PROJECT NH-075-3(014)

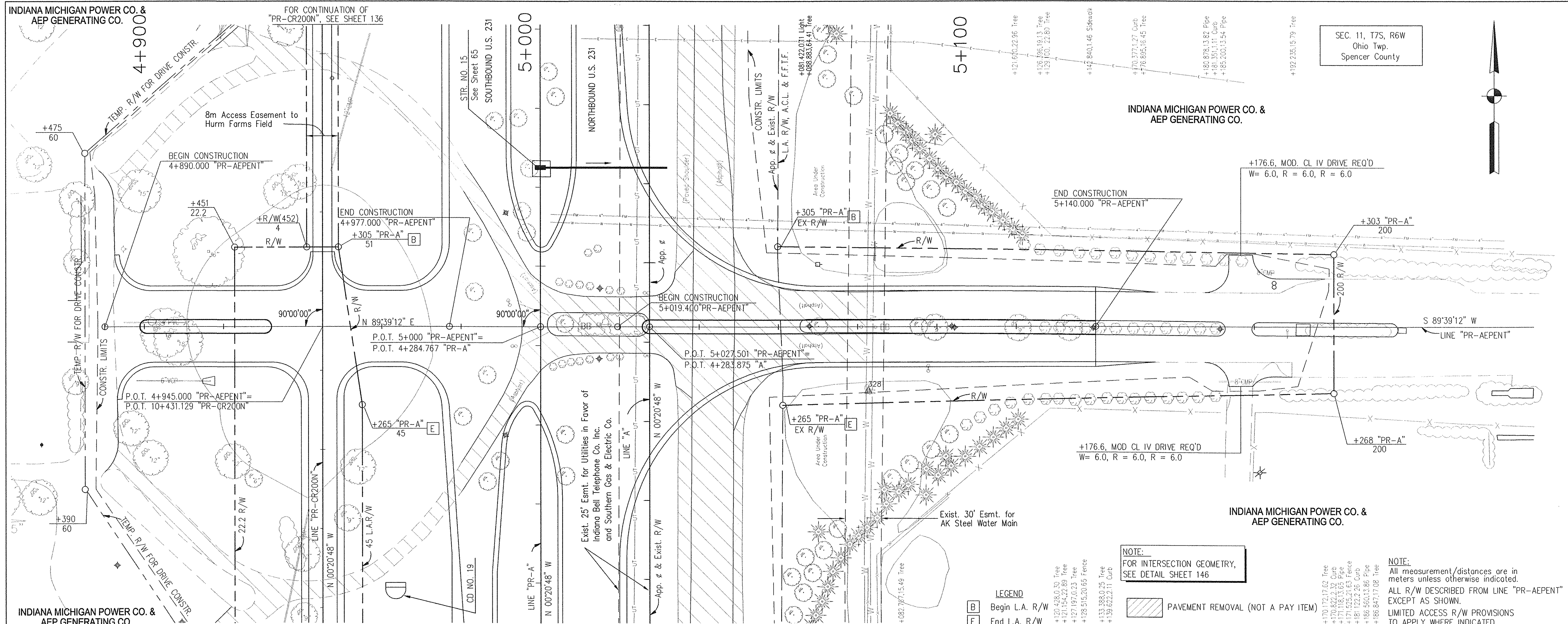




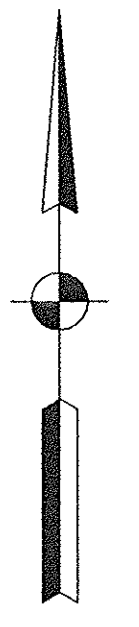
E:\96011\wood\p04r-pr-c-250.cwg 4/21/2003 7:51:11 AM WEST

		<b>RECOMMENDED FOR APPROVAL</b> <i>Alan J. W. Conway</i> 4/22/03 DESIGN ENGINEER DATE		<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>																
DESIGNED: JMM CHECKED: AJD		DRAWN: JRC CHECKED: AJD		<b>PLAN &amp; PROFILE</b> <b>LINE "PR-CR250-REL"</b>																
				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1:500</td> <td></td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>1:100</td> <td>8461360</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEETS</td> </tr> <tr> <td>16722</td> <td>92 of 196</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>R26185</td> <td>NH-075-3 (014)</td> </tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1:500		VERTICAL SCALE	DESIGNATION	1:100	8461360	SURVEY BOOK	SHEETS	16722	92 of 196	CONTRACT	PROJECT	R26185	NH-075-3 (014)
HORIZONTAL SCALE	BRIDGE FILE																			
1:500																				
VERTICAL SCALE	DESIGNATION																			
1:100	8461360																			
SURVEY BOOK	SHEETS																			
16722	92 of 196																			
CONTRACT	PROJECT																			
R26185	NH-075-3 (014)																			





SEC. 11, T7S, R6W  
Ohio Twp.  
Spencer County



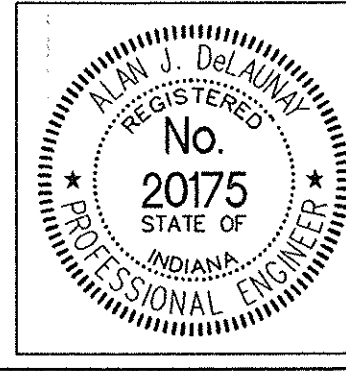
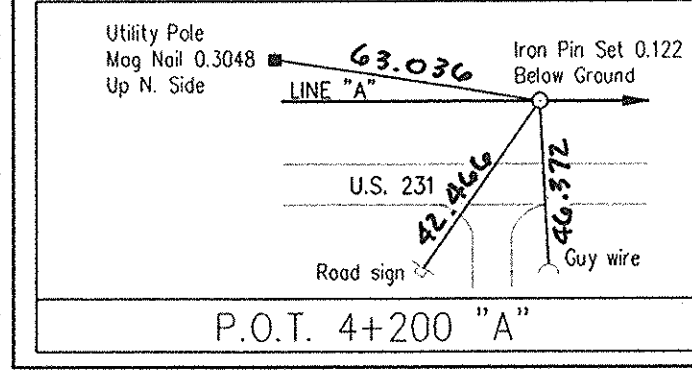
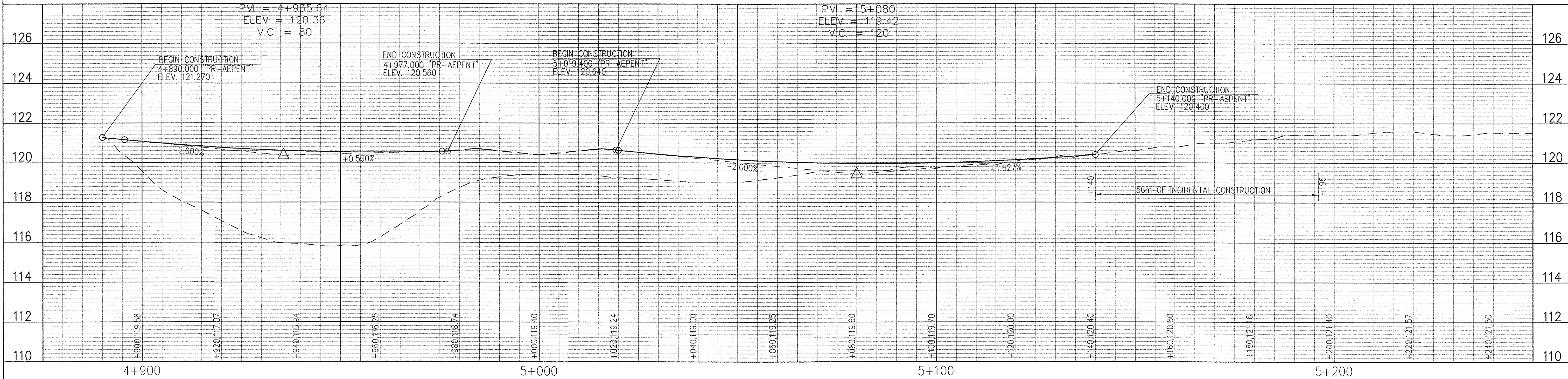
NOTE:  
FOR INTERSECTION GEOMETRY,  
SEE DETAIL SHEET 146

- LEGEND
- [B] Begin L.A. R/W
  - [E] End L.A. R/W

[Hatched Box] PAVEMENT REMOVAL (NOT A PAY ITEM)

- +170.121.62 Tree
- +170.822.232 Curb
- +171.505.151.63 Pipe
- +181.122.25 Curb
- +185.500.13.85 Pipe
- +185.647.17.08 Tree

NOTE:  
All measurement/distances are in meters unless otherwise indicated.  
ALL R/W DESCRIBED FROM LINE "PR-AEPENT" EXCEPT AS SHOWN.  
LIMITED ACCESS R/W PROVISIONS TO APPLY WHERE INDICATED.



RECOMMENDED FOR APPROVAL: *Alvin J. Delaney* 4/22/03  
DESIGN ENGINEER DATE

DESIGNED: JMM DRAWN: RCS  
CHECKED: AJD CHECKED: AJD

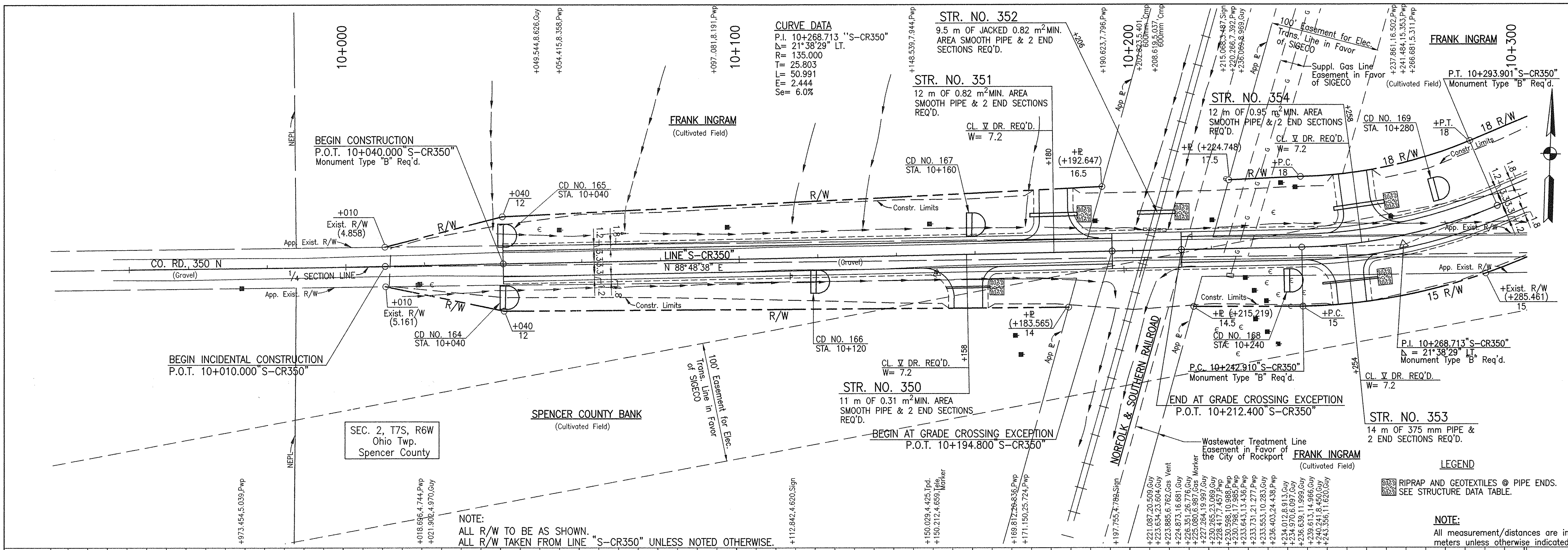
INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE  
LINE "PR-AEPENT"

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 8461360
SURVEY BOOK 16722	SHEETS 93 of 196
CONTRACT R26185	PROJECT NH-075-3(014)

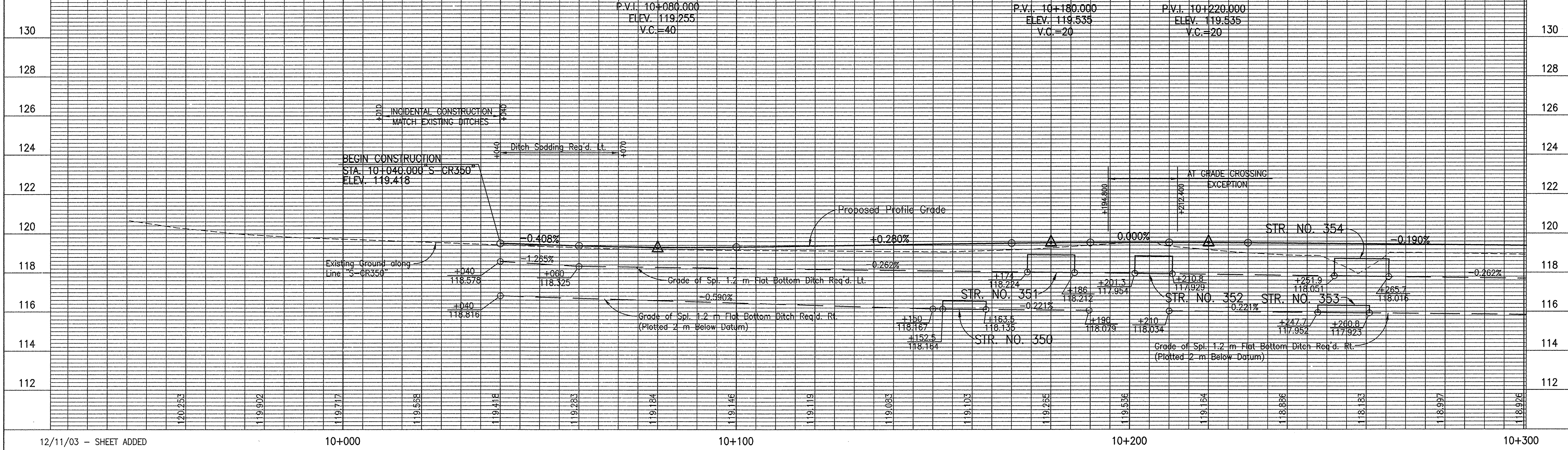
EX:980111\road\pp01r-pr-aepep.dwg 3/19/2003 10:22:53 AM UEST





**LEGEND**  
 RIPRAP AND GEOTEXTILES @ PIPE ENDS.  
 SEE STRUCTURE DATA TABLE.

**NOTE:**  
 All measurement/distances are in meters unless otherwise indicated.

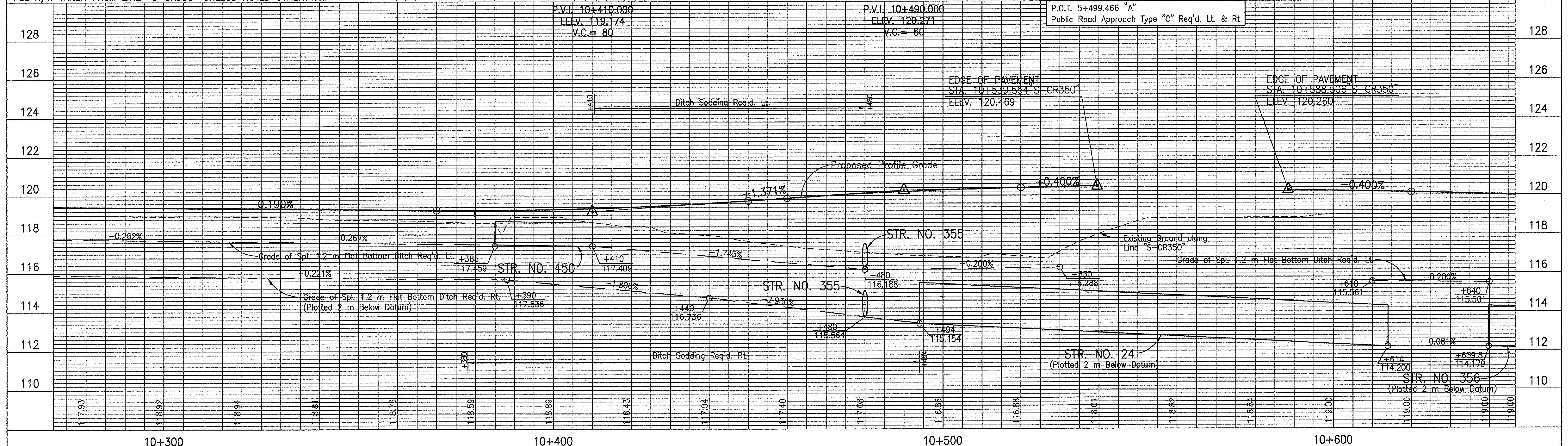
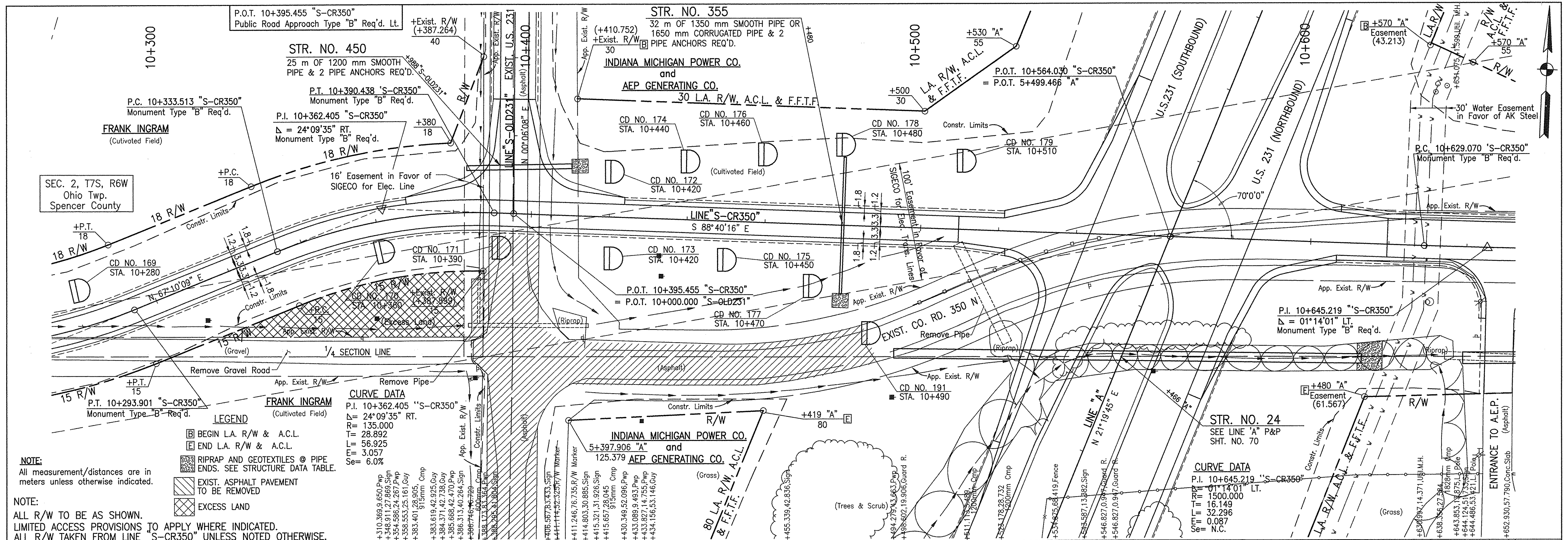


12/11/03 - SHEET ADDED

<p>9+944.917 P.O.T. "S-CR350"</p>	<p>9+994.929 P.O.T. "S-CR350"</p>	<p>10+242.910 P.C. "S-CR350"</p>	<p>10+268.713 P.I. "S-CR350"</p>	<p>10+293.901 P.T. "S-CR350"</p>		<p>RECOMMENDED FOR APPROVAL <i>Melissa A. Eppinger</i> 08-04-03        DESIGN ENGINEER DATE</p> <p>DESIGNED: M.A.E. DRAWN: R.D.S.        CHECKED: P.L.K. CHECKED: M.A.E.</p>	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>PLAN &amp; PROFILE        LINE "S-CR350"</p>	<table border="1"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1:500</td> <td></td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>1:100</td> <td>8461360</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEETS</td> </tr> <tr> <td>16722</td> <td>94A of 196</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>R-26185</td> <td>NH-075-3(014)</td> </tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1:500		VERTICAL SCALE	DESIGNATION	1:100	8461360	SURVEY BOOK	SHEETS	16722	94A of 196	CONTRACT	PROJECT	R-26185	NH-075-3(014)
HORIZONTAL SCALE	BRIDGE FILE																							
1:500																								
VERTICAL SCALE	DESIGNATION																							
1:100	8461360																							
SURVEY BOOK	SHEETS																							
16722	94A of 196																							
CONTRACT	PROJECT																							
R-26185	NH-075-3(014)																							

Time: 14:40:20  
 Date: 12/11/03  
 Drawing File: 210\_A\DWG\PLAN & PROFILE\phase-1a\br-350-01.dwg (CR14)

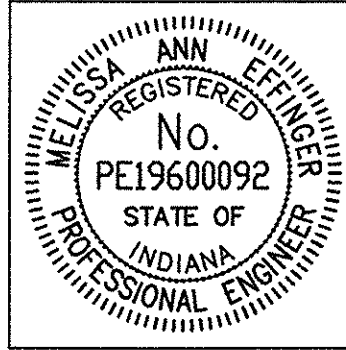
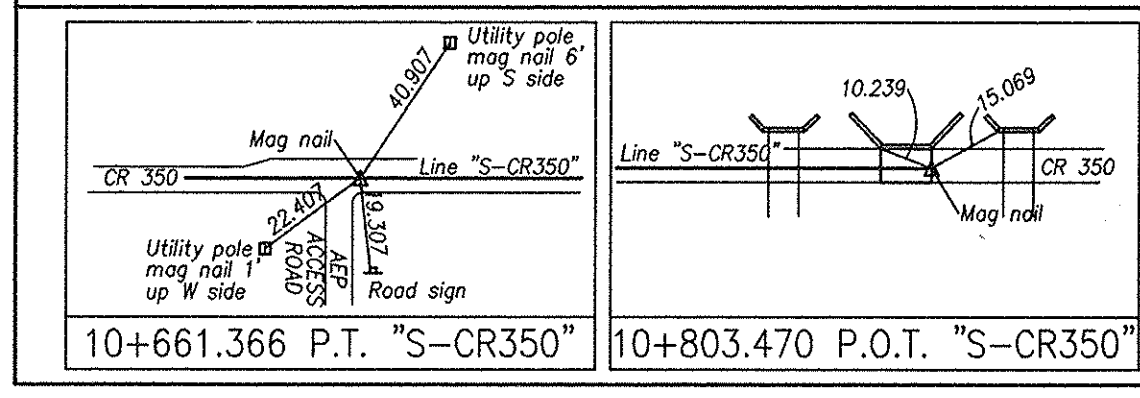
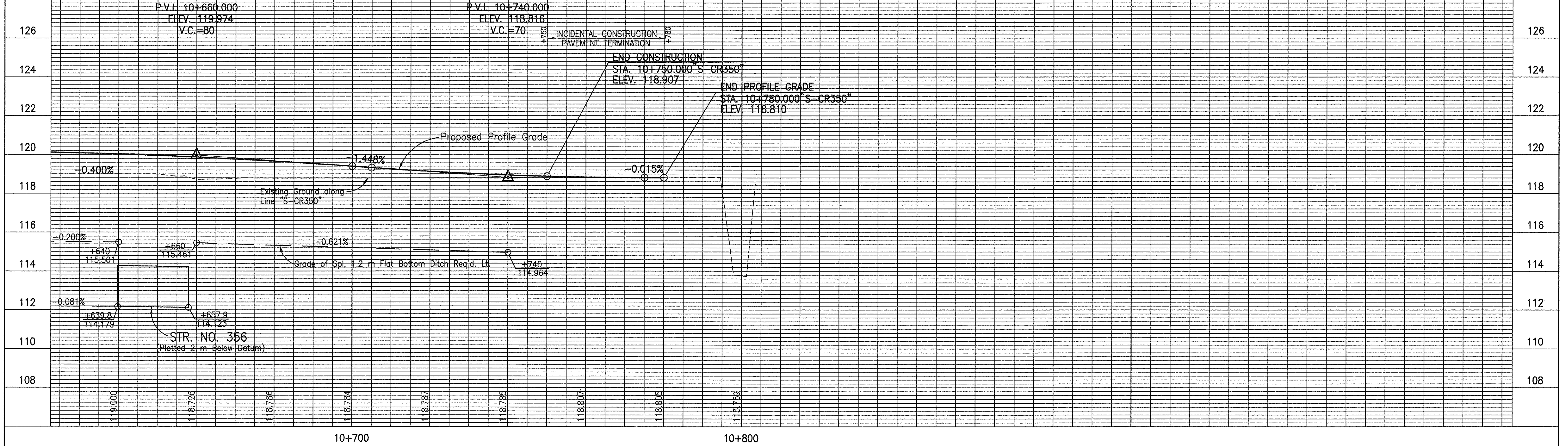
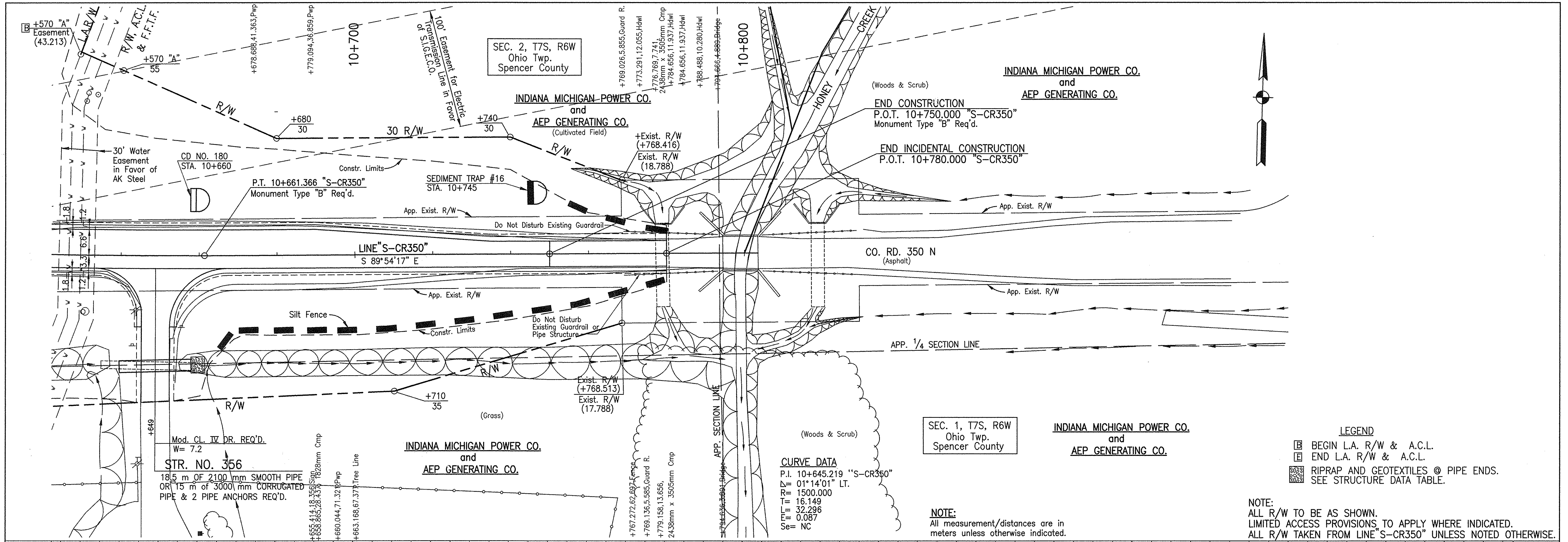




<p>10+333.513 P.C. "S-CR350"</p>	<p>10+362.405 P.I. "S-CR350"</p>	<p>10+390.438 P.T. "S-CR350"</p>	<p>10+629.070 P.C. "S-CR350"</p>	<p>10+645.219 P.I. "S-CR350"</p>		<p>RECOMMENDED FOR APPROVAL  <i>Melissa A. Eyring</i> 04-22-03      DESIGN ENGINEER DATE</p> <p>DESIGNED: M.A.E. DRAWN: R.D.S.      CHECKED: P.L.K. CHECKED: M.A.E.</p>	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>PLAN &amp; PROFILE      LINE "S-CR350"</p>	<p>HORIZONTAL SCALE 1:500 BRIDGE FILE      VERTICAL SCALE 1:100 DESIGNATION 8461360</p> <p>SURVEY BOOK 16722 SHEETS 95 of 196      CONTRACT R-26185 PROJECT NH-075-3(014)</p>
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Time: 10/28/12  
 Scale: 1" = 100'  
 Drawing File: 210...DWG\PLAN & PROFILE\Phase-1a\gr-350-02.dwg (XCross)





RECOMMENDED FOR APPROVAL *Melissa A. Effinger* 04-22-03  
 DESIGN ENGINEER DATE

DESIGNED: M.A.E. DRAWN: R.D.S.  
 CHECKED: P.L.K. CHECKED: M.A.E.

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE  
 LINE "S-CR350"

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 8461360
SURVEY BOOK 16722	SHEETS 96 of 196
CONTRACT R-26185	PROJECT NH-075-3(014)

Time: 15:27:58  
 Date: 04/22/03  
 Scale: 1/4"=100'  
 Drawing File: 210\_1\DWG\PLAN & PROFILE\phase-1a\up-350-03.dwg (CFits)

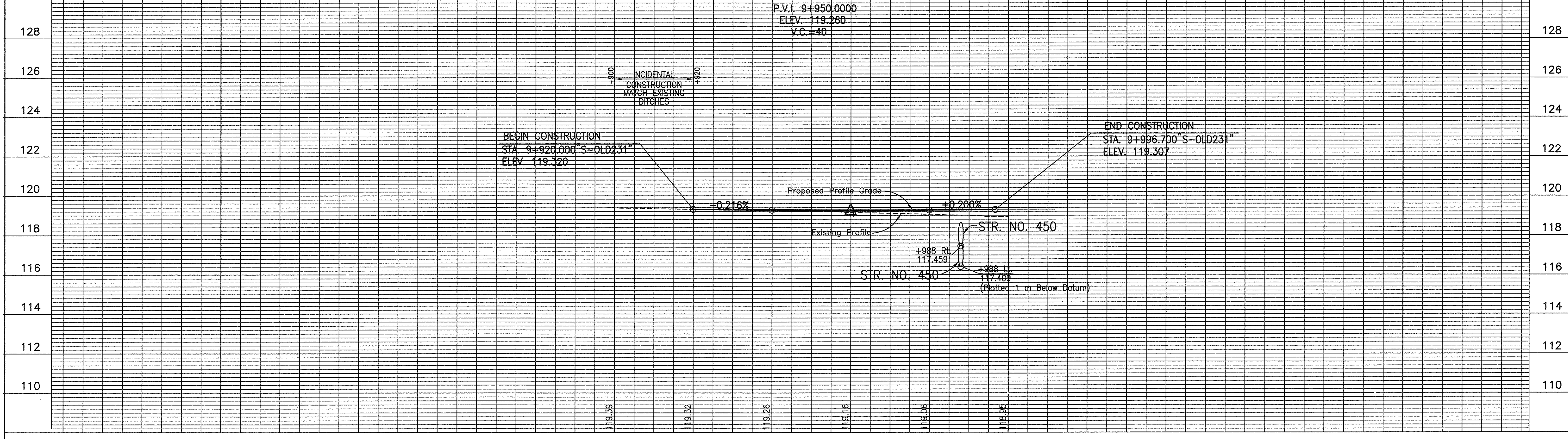
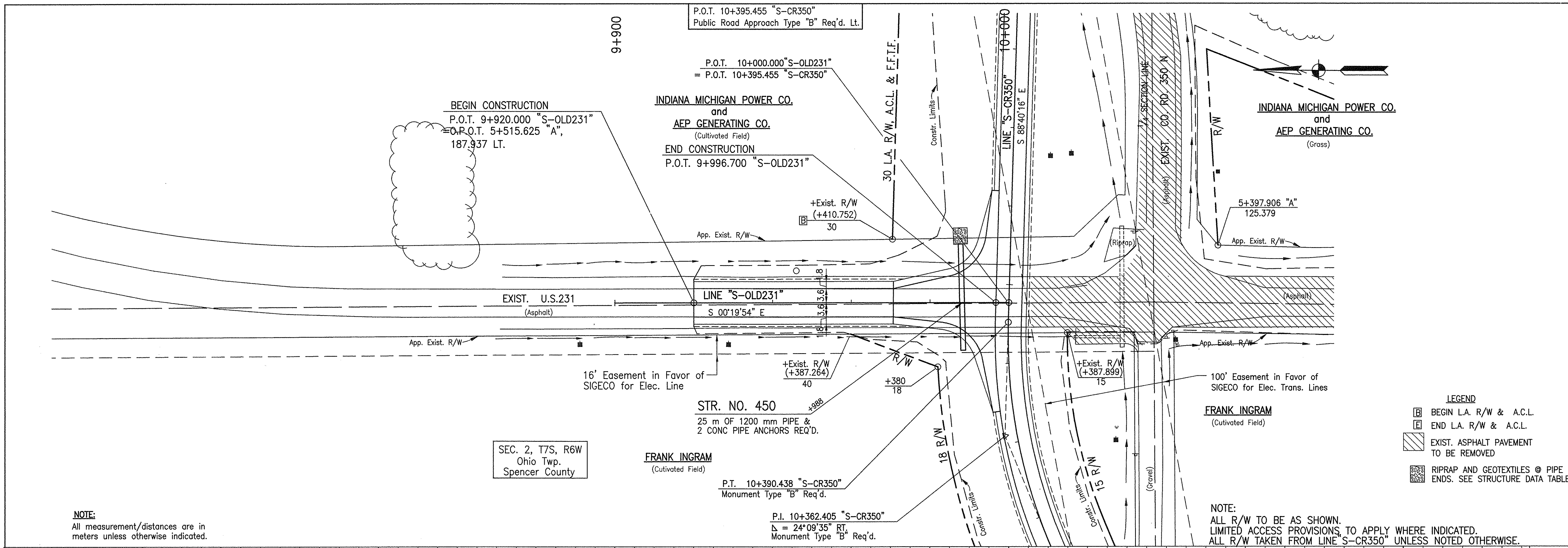
**NOTE:**  
 All measurement/distances are in meters unless otherwise indicated.

**NOTE:**  
 ALL R/W TO BE AS SHOWN.  
 LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED.  
 ALL R/W TAKEN FROM LINE "S-CR350" UNLESS NOTED OTHERWISE.

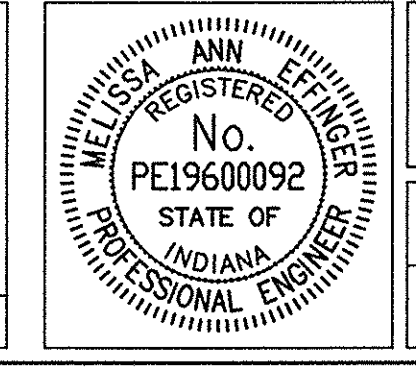
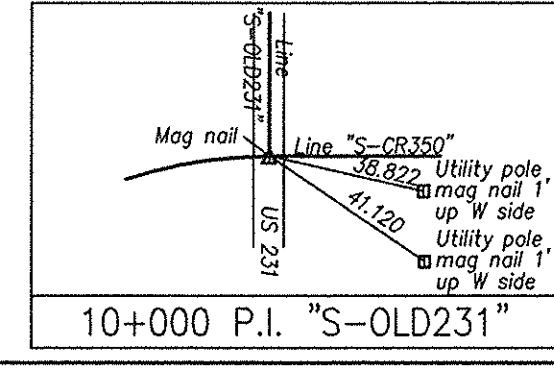
**LEGEND**

BEGIN L.A. R/W & A.C.L.  
 END L.A. R/W & A.C.L.  
 RIPRAP AND GEOTEXTILES @ PIPE ENDS.  
 SEE STRUCTURE DATA TABLE.





Time: 1:53:46  
Date: 4/21/2003  
Scale: 1=500(P3)  
Drawing File: 210\_VIEWS\PLAN & PROFILE\Profile-10\p-02231-01.dwg (P3)



RECOMMENDED FOR APPROVAL  
*Melissa A. Effinger* 04-22-03  
DESIGN ENGINEER DATE

DESIGNED: M.A.E. DRAWN: J.W.M.

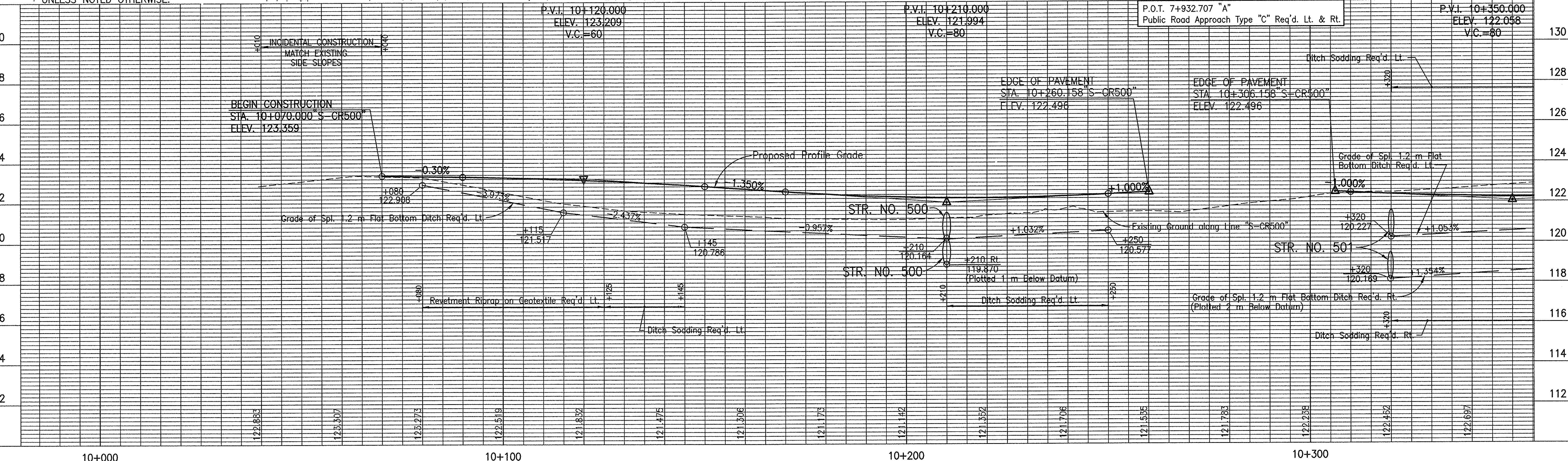
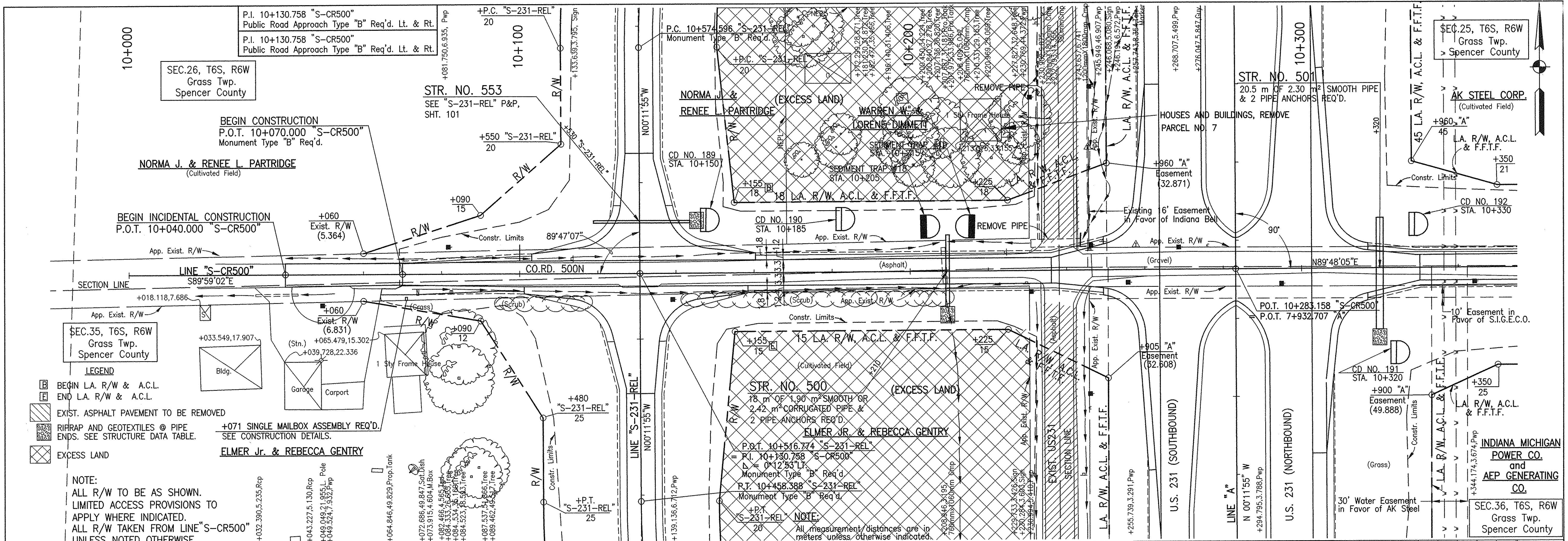
CHECKED: P.L.K. CHECKED: M.A.E.

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE  
LINE "S-OLD231"

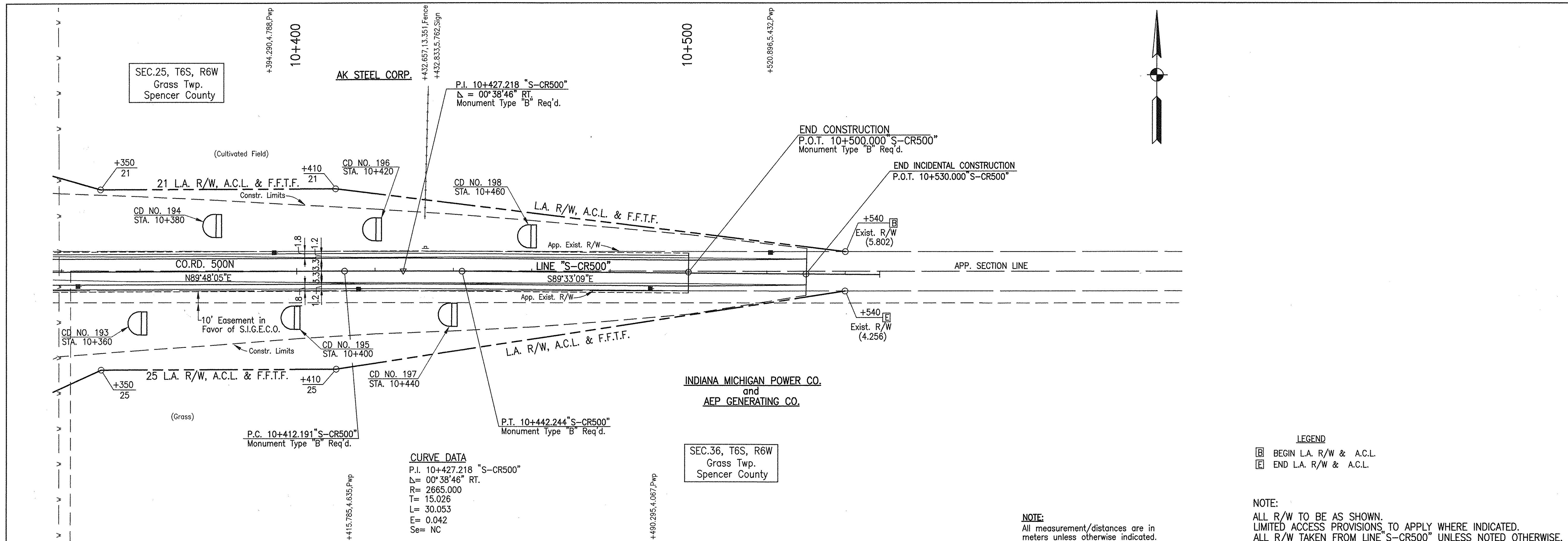
HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 8461360
SURVEY BOOK 16722	SHEETS 97 of 196
CONTRACT R-26185	PROJECT NH-075-3(014)





<p>Time: 10:50:33 Date: 4/22/2003 Drawing File: 210_110WS PLAN &amp; PROFILE, release-1a, vsp-500-01.dwg (CP11a)</p>	<p>Utility pole mag nail 1' up S side CR 500 Mag nail Line "S-CR500"</p>	<p>Utility pole mag nail 1' up N side CR 500 Mag nail Line "S-CR500"</p>		<p>RECOMMENDED FOR APPROVAL <i>Melina A. Effinger</i> 04-22-03 DESIGN ENGINEER DATE</p>	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>PLAN &amp; PROFILE LINE "S-CR500"</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>HORIZONTAL SCALE 1:500</td> <td>BRIDGE FILE</td> </tr> <tr> <td>VERTICAL SCALE 1:100</td> <td>DESIGNATION 8461360</td> </tr> <tr> <td>SURVEY BOOK 16722</td> <td>SHEETS 98 of 196</td> </tr> <tr> <td>CONTRACT R-26185</td> <td>PROJECT NH-075-3(014)</td> </tr> </table>	HORIZONTAL SCALE 1:500	BRIDGE FILE	VERTICAL SCALE 1:100	DESIGNATION 8461360	SURVEY BOOK 16722	SHEETS 98 of 196	CONTRACT R-26185	PROJECT NH-075-3(014)
HORIZONTAL SCALE 1:500	BRIDGE FILE													
VERTICAL SCALE 1:100	DESIGNATION 8461360													
SURVEY BOOK 16722	SHEETS 98 of 196													
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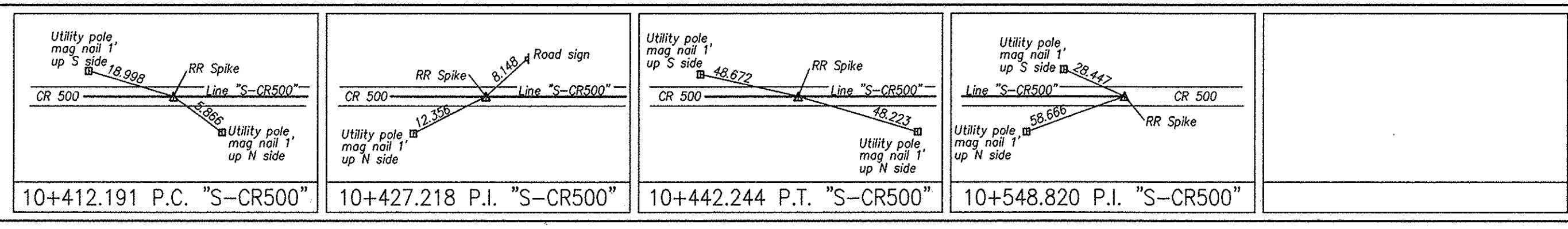
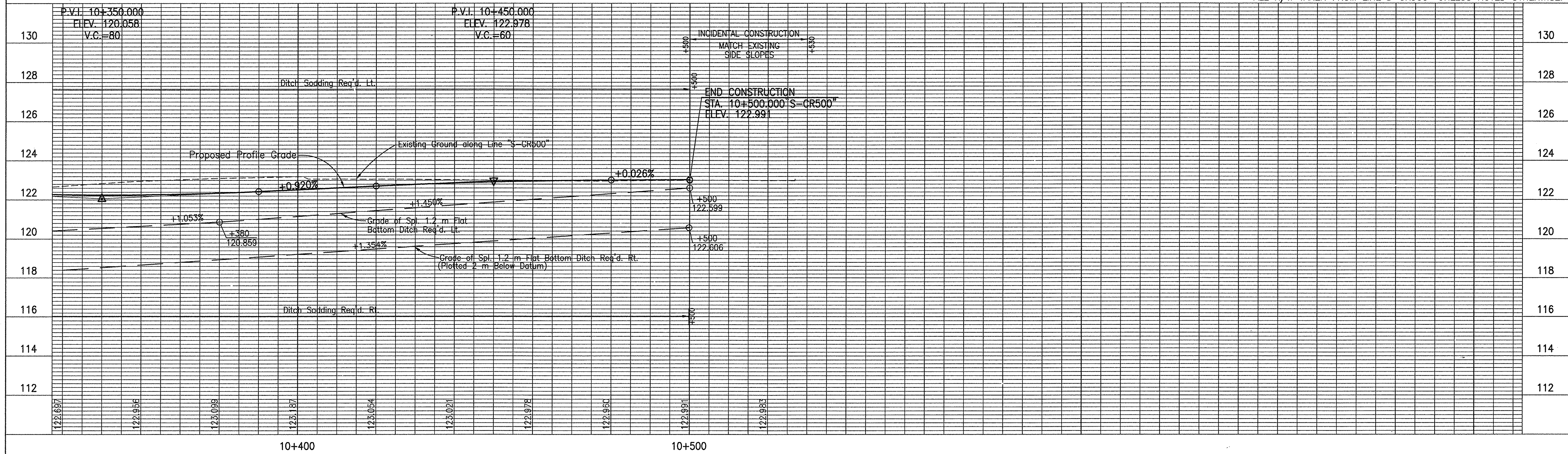


**CURVE DATA**  
 P.I. 10+427.218 "S-CR500"  
 $\Delta = 00^\circ 38' 46''$  RT.  
 R = 2665.000  
 T = 15.026  
 L = 30.053  
 E = 0.042  
 Se = NC

**LEGEND**  
 [B] BEGIN L.A. R/W & A.C.L.  
 [E] END L.A. R/W & A.C.L.

**NOTE:**  
 All measurement/distances are in meters unless otherwise indicated.

**NOTE:**  
 ALL R/W TO BE AS SHOWN.  
 LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED.  
 ALL R/W TAKEN FROM LINE "S-CR500" UNLESS NOTED OTHERWISE.



RECOMMENDED FOR APPROVAL *Melissa A. Effinger* 04-22-03  
 DESIGN ENGINEER DATE  
 DESIGNED: M.A.E. DRAWN: R.D.S.  
 CHECKED: R.D.S. CHECKED: P.L.K.

INDIANA DEPARTMENT OF TRANSPORTATION  
 PLAN & PROFILE  
 LINE "S-CR500"

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 8461360
SURVEY BOOK 16722	SHEETS 99 of 196
CONTRACT R-26185	PROJECT NH-075-3(014)

Time: 10:43:36  
 Date: 4/16/2003  
 Drawing File: 210 (PLAN) PLAN & PROFILE (Phase - 1) \sp-500-02.dwg (CRH)