

PROJECT	DESIGNATION
IM-065-3(306)	0300429
CONTRACT	BRIDGE FILE
R-28085	

**INDIANA
DEPARTMENT OF
TRANSPORTATION**

NOISE ABATEMENT PLANS

ROUTE: I-65

PROJECT NO. IM-065-3(306)

FROM R.P. 11741 TO R.P. 1222

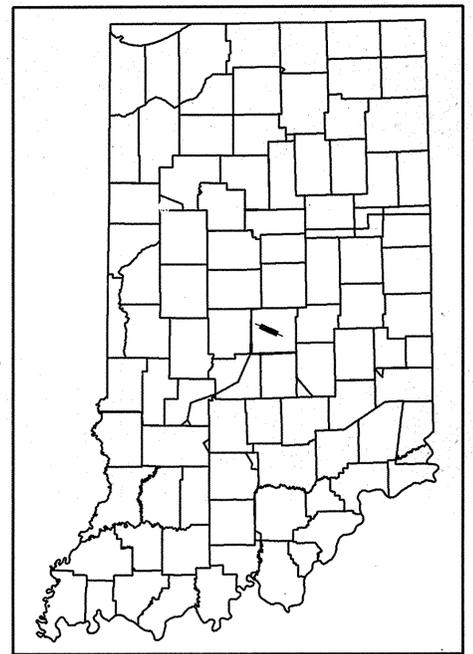
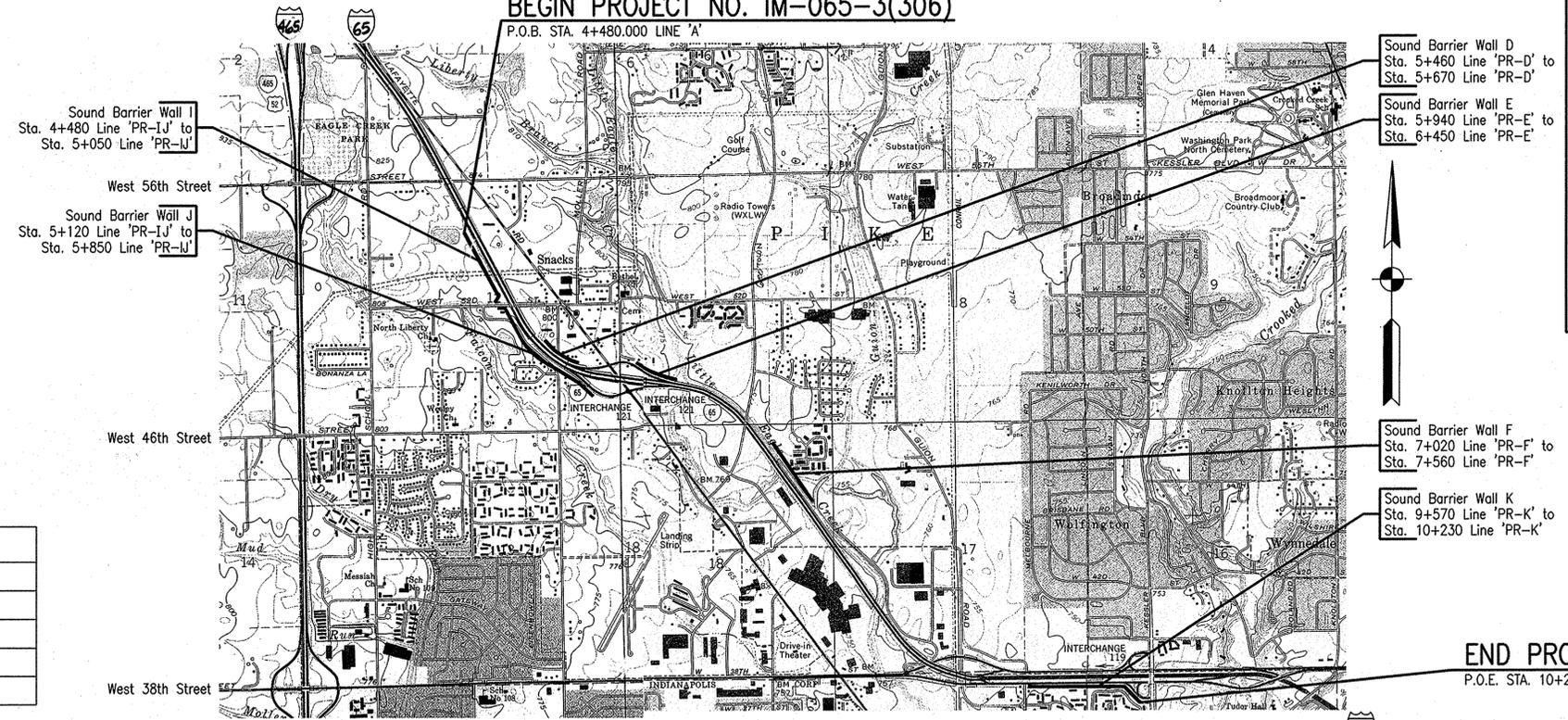
LATITUDE: 39°50'20" N

LONGITUDE: 86°14'32" W

**P.E.
R/W
CONST.**

NOISE BARRIER ABATEMENT CONSTRUCTION FOR I-65 FROM I-465 TO COLD SPRINGS ROAD IN SECTION 1, 2, 11 & 12, T16N, R2E, & SECTION 7, 17, 18, 20, 21, T16N, R3E IN MARION COUNTY, INDIANA.
BEGIN PROJECT NO. IM-065-3(306)

P.O.B. STA. 4+480.000 LINE 'A'



PROJECT LOCATION SHOWN BY

END PROJECT NO. IM-065-3(306)
P.O.E. STA. 10+201.591 LINE 'A'

R 28085

EQUATIONS	

MARION COUNTY
SCALE: 1:20 000

PLANS PREPARED BY: DLZ INDIANA, LLC (574) 236-4400
2311 EAST JEFFERSON BOULEVARD
SOUTH BEND, INDIANA 46615 PHONE NUMBER

CERTIFIED BY: *Roy K. Fisk* 01-19-2006
REGISTERED PROFESSIONAL ENGINEER
STATE OF INDIANA NO. 860383 DATE

CERTIFIED BY: *Michael A. Krumm* 1/19/06
REGISTERED PROFESSIONAL ENGINEER
STATE OF INDIANA NO. 910382 DATE

CERTIFIED BY: *B. K. Blly* 1/19/06
REGISTERED PROFESSIONAL ENGINEER
STATE OF INDIANA NO. 19800103 DATE

APPROVED FOR LETTING: *Grand J. Hesch* 3/28/06
CHIEF, DIVISION OF DESIGN DATE

GARY K. FISK
REGISTERED PROFESSIONAL ENGINEER
No. 860383
STATE OF INDIANA
DLZ INDIANA, LLC

MICHAEL A. KRUMM
REGISTERED PROFESSIONAL ENGINEER
No. 910382
STATE OF INDIANA
DLZ INDIANA, LLC

BRIAN K. ARTERBERY
REGISTERED PROFESSIONAL ENGINEER
No. 19800103
STATE OF INDIANA
DLZ INDIANA, LLC

**INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2006
TO BE USED WITH THESE PLANS**

REVISIONS	
DATE	SHEET NO.



BRIDGE FILE	
DESIGNATION	0300429
SURVEY BOOK	SHEETS
ELECTRONIC	1 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)

Date: Jan 19, 2006, 7:48am User: dlz User ID: cslumpf File: c:\Documents and Settings\cslumpf\Local Settings\Temp\BOPlot_294A\2553NWC03.dwg

UTILITIES

Electric - Indianapolis Power & Light Co.
1230 W. Morris Street
Indianapolis, IN 46221
(317) 261-8617
Attention: Janet Snodgrass

Cable TV - Metropolitan Cablevision Corp.
1935 Madison Ct., #C
Carmel, IN 46032
(317) 844-8877
Attention: Kelly Robbins

Gas - Citizens Gas & Coke Utility
2150 Dr. Martin Luther King Jr. St.
Indianapolis, IN 46202
(317) 927-4684
Attention: Richard Miller

Telephone - SBC
220 N. Meridian St. Room 303
Indianapolis, IN 46204
(317) 968-6017
Attention: Scott Ostermeir

Water - Indianapolis Water Co.
1220 Waterway Blvd.
Indianapolis, IN 46206
(317) 263-6446
Attention: Stan Groves

Fiber - Purdue University
401 South Grant Street
West Lafayette, IN 47907
(765) 496-6383
Attention: Stuart Dye

Sewer - Indianapolis Dept. Of Public Works
604 N. Sherman Drive
Indianapolis, IN 46201
(317) 327-2308
Attention: Bill Bowman

Indiana Fiber Works
141 East Washington Street
Suite 200
Indianapolis, IN 46204
(317) 524-5711
Attention: Jim Andrews

Oil - B.P. Pipelines
2500 North Tibbs Ave.
Indianapolis, IN 46222
(317) 501-0019
Attention: Todd McKee

Time Warner Telecom
4625 West 86th Street
Indianapolis, IN 46268
(317) 713-8922
Attention: Larry Benson

DESIGN DATA FOR SOUND BARRIER WALL

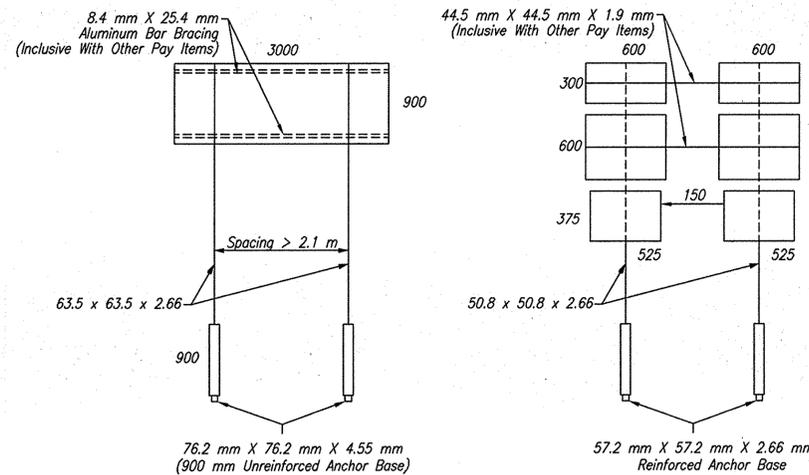
Ground Mounted
Wind Velocity: 90 mph
Wind Pressure according to AASHTO Guide Specifications for Structural Design of Sound Barriers (Interim 2002), Table 1-2.1.2.C

SIGNING GENERAL NOTES

- ALL BREAKAWAY SIGN SUPPORTS SHALL HAVE A MAXIMUM PROJECTION OF 100 mm AS STATED IN THE CLEAR ZONE POLICY
- * * Sheet signs and posts shall not be ordered until the exact number of signs and length of each post has been determined upon field investigation
- * * All signs shall be marked for identification. The marking material shall be either scotch lite, seibulite, Reflexite or approved equal. The identifying message shall consist of indot and the month and year the sign is installed. The message copy shall consist of white or black lettering (of a minimum of 25 mm in Height) on black or white background respectively. The marking for sheet signs shall be placed in the Lower corner closest to the center line of the roadway. The marking for panel signs shall be placed On the bottom panel in the end closest to the center line of the roadway. The marking shall not be Covered by the signs support after installation of the sign.
- Exit direction sign and stop sign shall not be removed until the new one is at the job site and ready to install. These two signs shall be seen by travel motorist at all times. At least one advance sign guide is Required in advance of the exit point.
- Waterproofing device in handhole shall be scotchcast encasement (3 m co.), kearney, aquaseal (kearney co.), Bishop lsw splice wrap (bishop electric) or approved equal.
- Roadway conventional light pole and sign structure identification numbers are to be installed 45i from Center line facing vehicular traffic and 3.0 m above the ground line. The numbers and letters are to be 38 mm x 64 mm black or white on white or black background respectively. The marking material shall be Scotch lite, seibulite, reflexite or approved equal.
- * * All design shall be in accordance with the standard specifications for structural supports for highway Signs, luminaries and traffic signals latest edition.
- Aluminum bar bracing (6 mm c 25 mm x length required) will be required on all channel post mounted signs Exceeding 1.50 m length.
- * Panel sign legends shall be de-mountable type as specified in the special provision.
- Box truss structure for sign support shall be aluminum only.
- For galvanized steel roadway light pole, the constant cross-section luminaries support arm can be used in This project. The support arm shall be truss type fabricated from 50 mm diameter steel pipe. The material Shall conform to the following astm specifications: a-53, grade b; a-500, grade b or c; a-501, minimum 241 mpa. Yield strength.
- * * The contractor shall field verify the existing cross-section at the proposed sign locations prior to ordering Overhead structures.
- * * Represents general notes req'd.

INDEX

STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
SHEET NO. SUBJECT				
1	Title Sheet			
2	Index - Design and Traffic Data			
3-4	Typical Sections			
5-10	Walls I, J & D - Plan & Profile			
11-12	Wall E - Plan & Profile			
13-14	Wall F - Plan & Profile			
15-17	Wall K - Plan & Profile			
17-1 & 17-2	Wall J - Guardrail Geometric Details			
17-3 & 17-4	Wall E - Guardrail Geometric Details			
18	Wall J - Paved Side Ditch Profile			
19	Wall K - Paved Side Ditch Profile			
20-26	Erosion Control Plan			
27-31	Soil Borings			
32	Details			
33-40	Existing Sign Plan			
41-48	Proposed Sign Plan			
49-50	Sign Details			
51-52	Sheet Sign And Post Summary			
53	Panel Sign Table And Summary			
54	Signing Cross Section			
55	Miscellaneous Tables			
56	Guardrail Table			
57	Erosion Control Table			
58	Structure Data			
59	Pipe Material Sheet			
60-101	Cross Sections			



Note: Maximum Sign Width 3000, Height 900
All Dimensions Are In Millimeters Except As Noted

SQUARE POST FOR SHEET SIGN

ROUTE MARKER POSTS ASSEMBLY DETAIL-1

ROADWAY	TRAFFIC DATA						DESIGN DATA					
	A.A.D.T. (2005)	A.A.D.T. (2025)	D.H.V. (2025)	Trucks		Design Speed	Posted Speed	Design Criteria	Functional Classification	Rural/Urban	Terrain	Access Control
V.P.D.	V.P.D.	V.P.H.	% A.D.T.	% D.H.V.	K.P.H.	M.P.H.						
Mainline												
NB North Of I-465	19,730	26,030	1,774	14	11	100	55	54-2A	Principal Arterial	Urban	Level	Full
I-465 To Kessler Blvd.	64,006	84,431		15		100	55	54-2A	Principal Arterial	Urban	Level	Full
South Of Kessler Blvd.	99,594	130,889	11,955	11	9	100	55	54-2A	Principal Arterial	Urban	Level	Full
38th Street Interchange												
NB Off Ramp	22,404	29,539	3,249	6	4	90/70	45	48-5.02	Ramp	Urban	Level	Full
SB On Ramp	18,958	25,008	3,000	6	3	90/70	45	48-5.02	Ramp	Urban	Level	Full
NB On Ramp	2,575	3,395	374	6	4	90/70	45	48-5.02	Ramp	Urban	Level	Full
SB Off Ramp	3,059	4,034	363	4	3	90/70	45	48-5.02	Ramp	Urban	Level	Full
Lafayette Rd. Interchange												
NB Off Ramp	13,791	18,196	2,911	13	13	90/70	45	48-5.02	Ramp	Urban	Level	Full
SB On Ramp	12,400	16,360	2,455	13	13	90/70	45	48-5.02	Ramp	Urban	Level	Full
NB On Ramp	7,335	9,675	871	4	3	90/70	45	48-5.02	Ramp	Urban	Level	Full
SB Off Ramp	4,975	6,535	654	4	2	90/70	45	48-5.02	Ramp	Urban	Level	Full
I-465 Interchange												
SB On Ramp	13,691	18,056	1,986	12	6	60	40	48-5.02	Ramp	Urban	Level	Full
NB Off Ramp	13,691	18,056	1,986	12	6	70	45	48-5.02	Ramp	Urban	Level	Full
Lafayette Road	37,355	49,055	4,921	8	8	70		53-8	Collector	Urban	Level	Partial
38th Street	66,249	87,394				90	55	54-2A	Principal Arterial	Urban	Level	Partial
Coldsprings Road	6,048	7,978	798	5	5	70		53-8	Collector	Urban	Level	None

REVISIONS		
Sheet No.	Date	Revised
Delete Sheet No. 2, 4, 50, 52, and 54.	02-13-2006	Plan Revisions
Add Sheet No. 2-A, 4-A, 50-A, 52-A, and 54-A.	02-13-2006	Plan Revisions
Delete Sheet No. 2-A, 3, 4-A, 7-9, 11-12, 56, 85 and 86.	09-14-2006	Plan Revisions
Add Sheet No. 2-B, 3-A, 4-B, 7-A, 8-A, 9-A, 11-A, 12-A, 17-1, 17-2, 17-3, 17-4, 56-A, 85-A and 86-A.	09-14-2006	Plan Revisions

Date: Sep 27, 2006, 1:30pm User: ID: jmoore File: M:\proj\0461\2632\bridge\dwg\Noise\Walls\I65 to Cold Springs\2632NWIS02.dwg

- 2-13-06 MAK Plan Revisions
- 9-14-06 MAK Plan Revisions



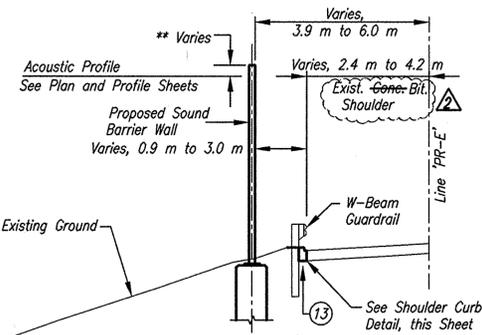
RECOMMENDED FOR APPROVAL *Michael A. Kummeth 9/20/06*
DESIGN ENGINEER DATE

DESIGNED: PT DRAWN: JLM/CJS
CHECKED: MAK CHECKED: PT

INDIANA DEPARTMENT OF TRANSPORTATION

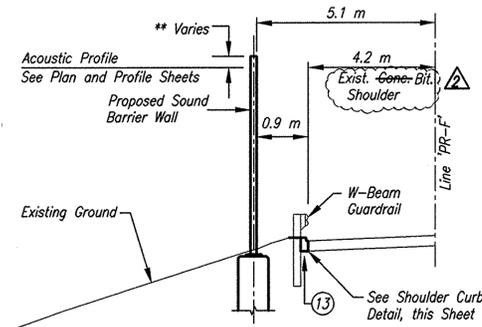
I-65 SOUND BARRIER WALL
INDEX-DESIGN AND TRAFFIC DATA

HORIZONTAL SCALE Not to Scale	BRIDGE FILE
VERTICAL SCALE Not to Scale	DESIGNATION 0300429
SURVEY BOOK	SHEETS
ELECTRONIC CONTRACT	2-B of 101
R-28085	PROJECT IM-065-3(306)



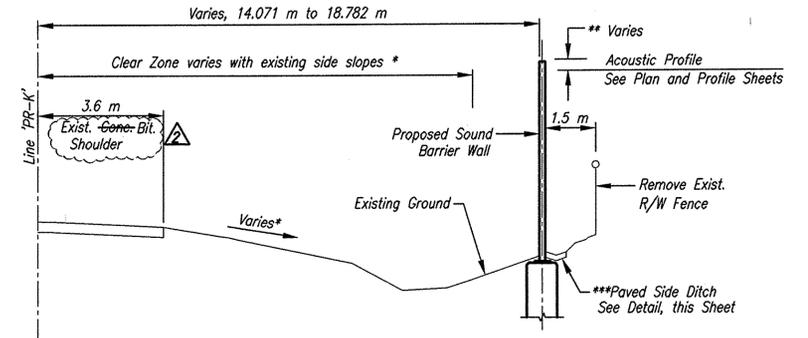
TYPICAL SECTION - WALL E

STA. 5+940 LINE 'PR-E' TO STA. 6+450 LINE 'PR-E'
SCALE: 1:100



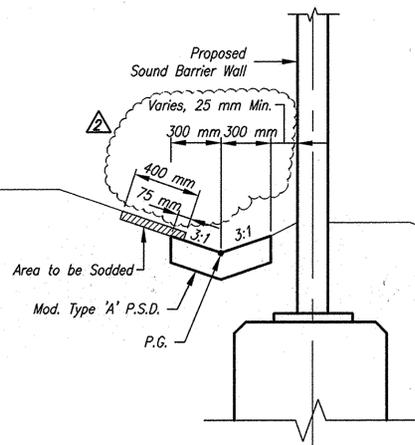
TYPICAL SECTION - WALL F

STA. 7+020 LINE 'PR-F' TO STA. 7+560 LINE 'PR-F'
SCALE: 1:100



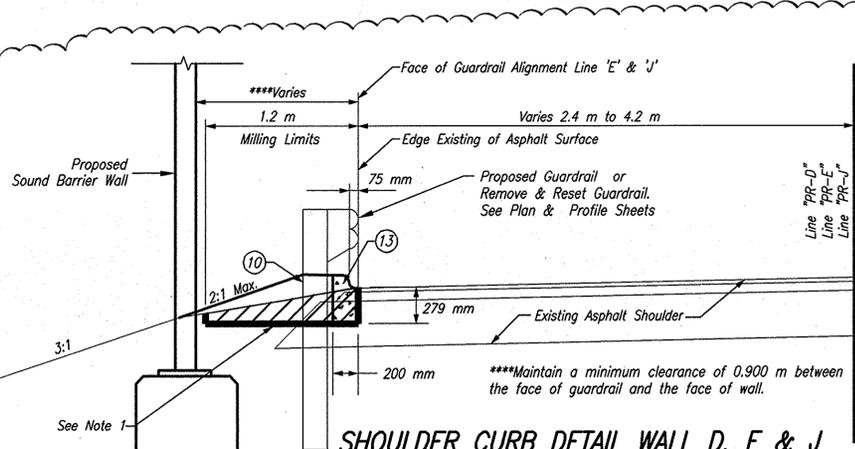
TYPICAL SECTION - WALL K

STA. 9+570 LINE 'PR-K' TO STA. 10+230 LINE 'PR-K'
SCALE: 1:100



PAVED SIDE DITCH DETAIL 1

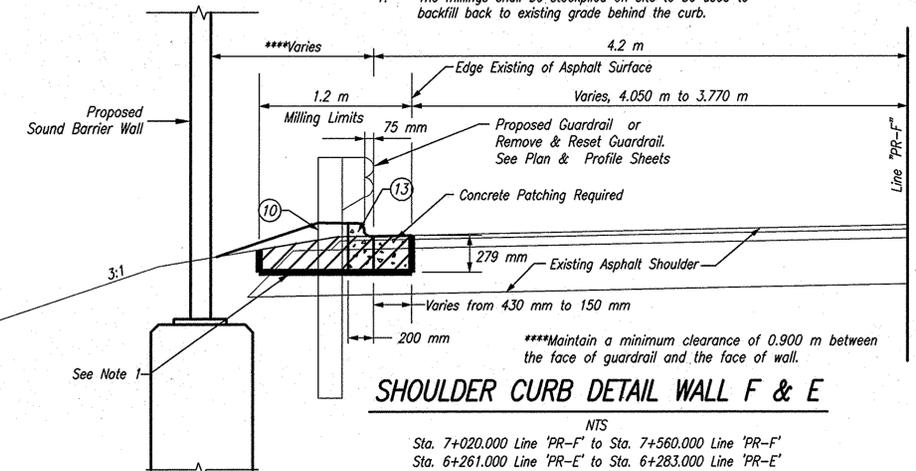
STA. 5+120.000 LINE 'PR-I' TO STA. 5+172.834 LINE 'PR-I'
STA. 5+195.967 LINE 'PR-I' TO STA. 5+270.000 LINE 'PR-I'
STA. 9+570.000 LINE 'PR-K' TO STA. 9+647.716 LINE 'PR-K'
STA. 9+759.360 LINE 'PR-K' TO STA. 10+030.000 LINE 'PR-K'
STA. 10+091.714 LINE 'PR-K' TO STA. 10+230.000 LINE 'PR-K'
SCALE: 1:20



SHOULDER CURB DETAIL WALL D, E & J

NTS
Sta. 5+460.000 Line 'PR-D' to Sta. 5+670.000 Line 'PR-D'
Sta. 5+940.000 Line 'PR-E' to Sta. 6+261.000 Line 'PR-E'
Sta. 6+283.000 Line 'PR-E' to Sta. 6+449.999 Line 'PR-E'
Sta. 5+225.000 Line 'PR-I' to Sta. 5+849.998 Line 'PR-I'

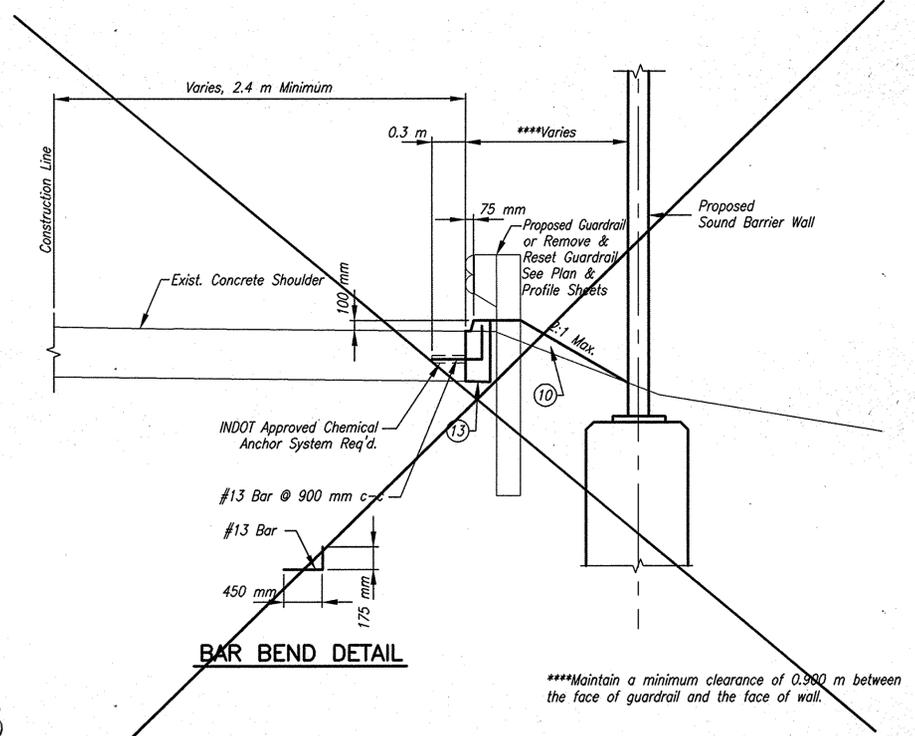
NOTE:
1. The millings shall be stockpiled on site to be used to backfill back to existing grade behind the curb.



SHOULDER CURB DETAIL WALL F & E

NTS
Sta. 7+020.000 Line 'PR-F' to Sta. 7+560.000 Line 'PR-F'
Sta. 6+261.000 Line 'PR-E' to Sta. 6+283.000 Line 'PR-E'

NOTE:
1. The millings shall be stockpiled on site to be used to backfill back to existing grade behind the curb.



SHOULDER CURB DETAIL

Scale: None

NOTES:
**Actual Dimension to be Determined by Wall Manufacturer.

***No Paved Side Ditch Sta. 9+647.716 to Sta. 9+759.360 and Sta. 10+030.000 to 10+091.714 Line 'PR-K'. Bottom of Sound Barrier Wall 150 mm above Final Grade from Sta. 10+030 to 10+091.714 Line 'PR-K'.

LEGEND
10 Variable Thickness Comp. Aggregate for Surface No. 53 Base
13 Concrete Curb, Type B

Date: Sep 27, 2006, 1:30pm User ID: jmore
File: M:\proj\0461\2833\bridge.dwg Noise Walls I65 to Cold Springs\2833NWS03.dwg

2-13-06 MAK Plan Revisions
9-14-06 MAK Plan Revisions



RECOMMENDED FOR APPROVAL: Michael A. Kummeth, 9/20/06, DESIGN ENGINEER, DATE
DESIGNED: ERW, DRAWN: JLM/CJS
CHECKED: BKA, CHECKED: ERW

INDIANA DEPARTMENT OF TRANSPORTATION
I-65 SOUND BARRIER WALL TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	
VERTICAL SCALE	DESIGNATION
AS NOTED	0300429
SURVEY BOOK	SHEETS
ELECTRONIC	4-B of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)

SEC. 12, T16N, R2E
PIKE TOWNSHIP
MARION COUNTY

4+500

4+600

4+700

4+800

BEGIN PROJECT
P.O.B. STA. 4+480.000 LINE 'A'
BEGIN WALL 'I' CONSTRUCTION
P.O.T. STA. 4+480.000 LINE 'PR-IJ' =
O.P.O.T. STA. 4+480.000 LINE 'A', 14.755 m RT.

P.O.B. Sta. 4+420.000 Line 'PR-IJ' =
O.P.O.T. Sta. 4+420.000 Line 'A', 14.755 m RT.

5 m of Incidental Construction For
Fence Removal and Fence Construction

4+475

4+480

Existing Guardrail
Use in Place

Construction Limits

I-65 (NORTHBOUND)

I-65 (SOUTHBOUND)

LINE 'A'

CONSTRUCT LINE 'PR-IJ'

4+400

4+500

4+600

4+700

4+800

S 27°50'06" E

S 27°50'06" E

Sta. Ahead

O.P.O.T. Sta. 4+797.487 Line 'A', 0.074 m Rt.
Control Point 480

Sta. Ahead

BM #104

27

27

O.P.O.T. Sta. 4+397.852 Line 'A', 0.005 m Lt.
Control Point 440

+480
17.091 m RT.
3 m of Fence, Chain Link,
1220 mm

App. Exist. R & L.A. R/W 17.139 m RT.

+600.380

Hydrant Access Door Location, 4+648

4+648

TIMOTHY E. & APRIL N. EDWARDS

CLAUDE A. & PATRICIA MILLER

CHARLES & VICKI L. HARDEN

KHALED BSHEH

JAMES DREW BAKER

LEGEND

- 27 Seed Mixture, U
- 29a Remove Existing Fence

TBM #104 'X' Cut Top Of Nut For Bolt At Back Of Guardrail Post. 5th Post North Of CP #175, 44th Post North Of South End Of Guardrail, South Of 56th Street. Sta. 4+419.8 Line 'A', 19.5m Rt. Elev.=251.068

TBM #105 Boat Spike Set In E. Face Of 18" Ash At R/W Fence 400'+/- North Of High Tension Wire Crossing. Sta. 4+753.5 Line 'A', 33.3m Rt. Elev.=245.044

Begin Ground Mounted Sound Barrier Wall

4+459.372, 36.080 m 300mm CC

LAKESIDE MANOR HOA
C/O KIRKPATRICK MANAGEMENT

4+569.499, 19.267 m Reflector Post

4+588.980, 23.633 m 100mm PVC

JEFFREY R. & MARYANN HILL

CASSANDRA D. & VONETTA R. EDWARDS

PATRICK V. RACHELL

4+692.105, 19.134 m Reflector Post

CLAUDE A. & PATRICIA MILLER

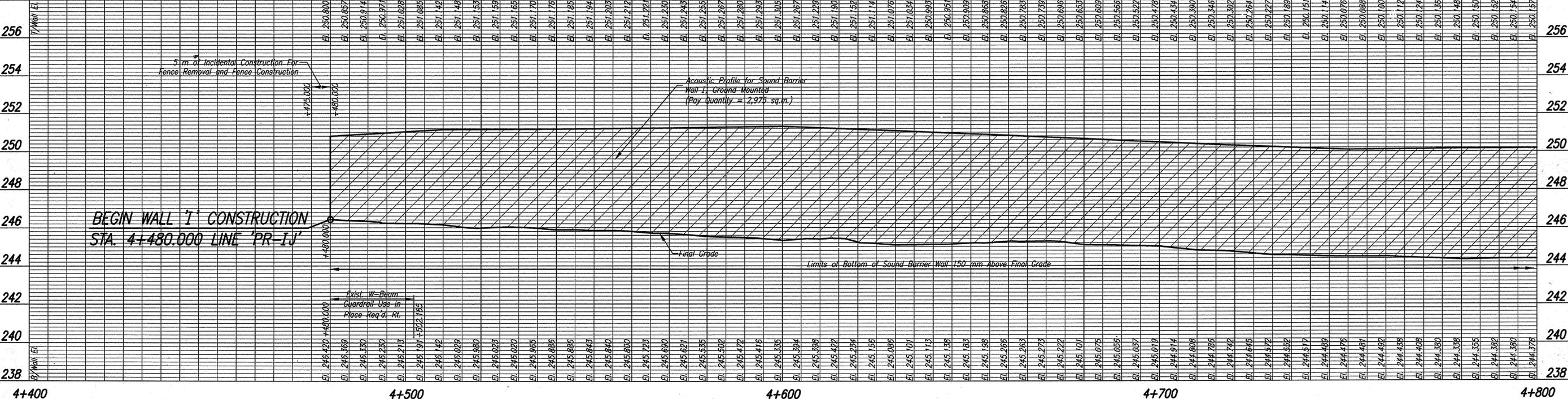
CHARLES & VICKI L. HARDEN

KHALED BSHEH

JAMES DREW BAKER

4+788.576, 23.406 m 100mm

NOTE: ALL TOPOGRAPHY AND R/W ON THIS SHEET DESCRIBED FROM LINE 'A' EXCEPT AS NOTED. ALL SOUND BARRIER WALL GEOMETRICS ARE DESCRIBED FROM CONSTRUCT LINE 'PR-IJ'.



<p>17151.3117 E=12166.1932 I-65 N.B. 0.670 m AZ=225° S.W. Cor. 150' x 150' (C.B.) I-65 S.B. 0.470 m AZ=225° S.W. Cor. 150' x 150' (C.B.) O.P.O.T. STA. 4+397.852 LINE 'A' 0.005 m LT 16mm RE BAR FND. TOP BARRIER WALL</p>	<p>17334.5539 E=12259.5169 I-65 N.B. 1.865 m AZ=150° N.E. Cor. 150' x 150' (C.B.) I-65 S.B. 0.100 m AZ=150° N.E. Cor. 150' x 150' (C.B.) P.O.T. STA. 4+597.734 LINE 'A' 0.074 m RT MAG NAIL TOP OF CONC. BARRIER WALL 0.450 m N. OF MILE MARKER 8</p>	<p>17157.8784 E=12332.7232 I-65 N.B. 2.340 m AZ=150° N.E. Cor. 150' x 150' (C.B.) I-65 S.B. 0.340 m AZ=150° N.E. Cor. 150' x 150' (C.B.) O.P.O.T. STA. 4+797.487 LINE 'A' 0.074 m RT 16mm RE BAR FND. TOP BARRIER WALL</p>
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RECOMMENDED FOR APPROVAL	Michael A. Kimmeth	1/19/06	DATE
DESIGNED:	SCO	DRAWN:	JLM/CJS
CHECKED:	MAK	CHECKED:	PT

INDIANA
DEPARTMENT OF TRANSPORTATION

I-65 SOUND BARRIER WALL
WALL I - PLAN & PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	0300429
SURVEY BOOK	SHEETS
ELECTRONIC	5 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)

Date: Jan 19, 2006, 7:46am User: D. caturmf File: MA:\proj\0461\2833\bridge.dwg Noise Walls\65 to Cold Springs\2833NW1 J&D\FPO1.dwg

4+800

SEC. 12, T16N, R2E
PIKE TOWNSHIP
MARION COUNTY

4+900

5+000

5+100

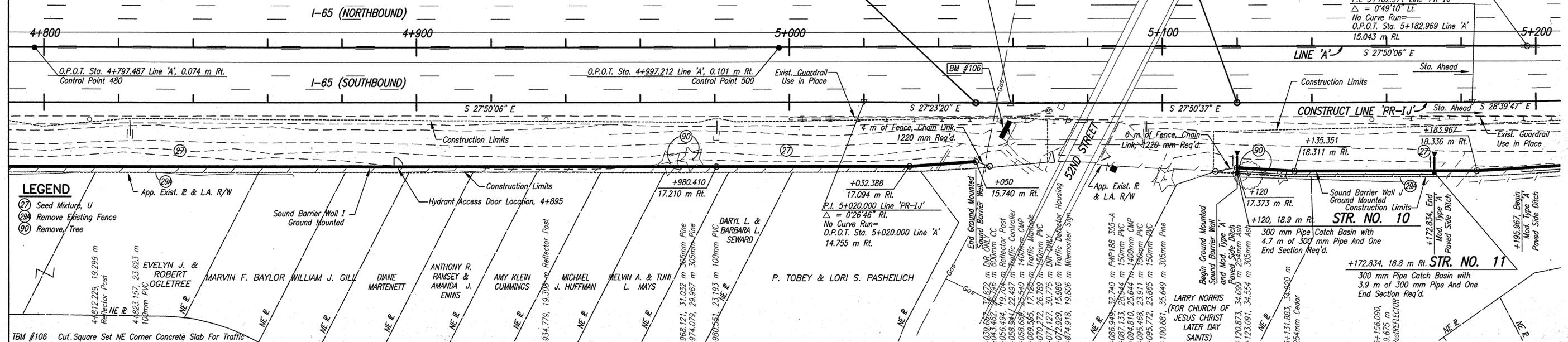
5+200

END WALL 'I' CONSTRUCTION
P.O.T. STA. 5+050.000 LINE 'PR-IJ' =
O.P.O.T. STA. 5+049.877 LINE 'A', 14.988 m RT.

BEGIN WALL 'J' CONSTRUCTION
P.O.T. STA. 5+120.000 LINE 'PR-IJ' =
O.P.O.T. STA. 5+120.000 LINE 'A', 15.053 m RT.

CURVE DATA (LINE 'A')
P.I. Sta. 5+559.762 Line 'A'
 $\Delta = 54^{\circ}47'28''$ Lt.
R = 698.550 m
T = 362.025 m
L = 668.013 m
E = 88.237 m

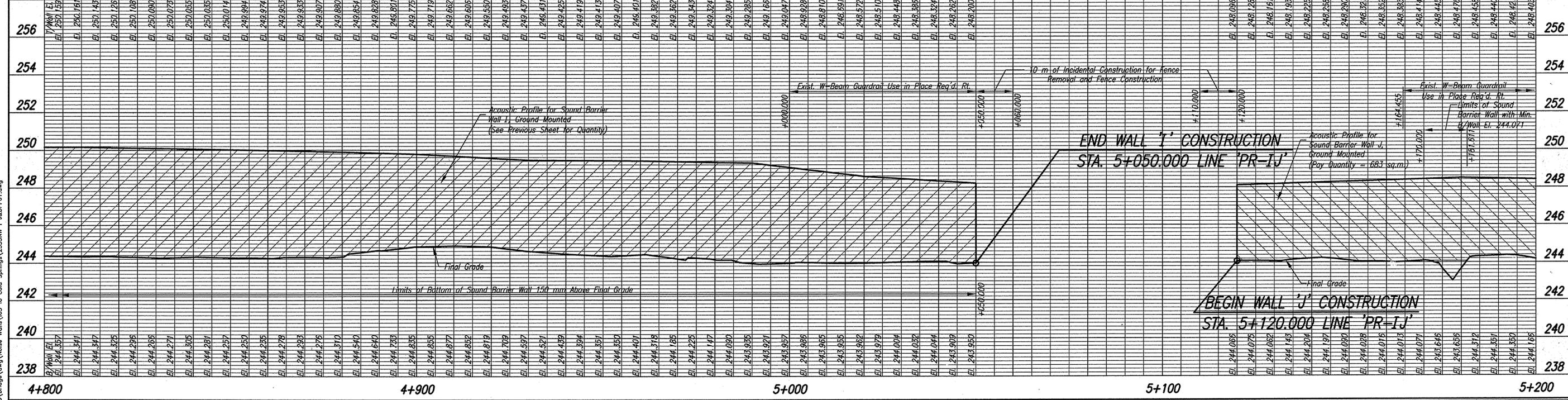
P.C. Sta. 5+197.737 Line 'A'
P.I. 5+182.971 Line 'PR-IJ'
 $\Delta = 0^{\circ}49'10''$ Lt.
No Curve Run=
O.P.O.T. Sta. 5+182.969 Line 'A'
15.043 m Rt.



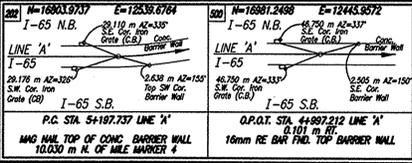
- LEGEND**
- (27) Seed Mixture, U
 - (29) Remove Existing Fence
 - (90) Remove Tree

TBM #106 Cut Square Set NE Corner Concrete Slab For Traffic Box At NW Corner Of I-65 And 52nd Street. Sta. 5+058.1 Line 'A', 22.2m Rt. Elev.=244.717

NOTE: ALL TOPOGRAPHY AND R/W ON THIS SHEET DESCRIBED FROM LINE 'A' EXCEPT AS NOTED. ALL SOUND BARRIER WALL GEOMETRICS ARE DESCRIBED FROM CONSTRUCT LINE 'PR-IJ'.



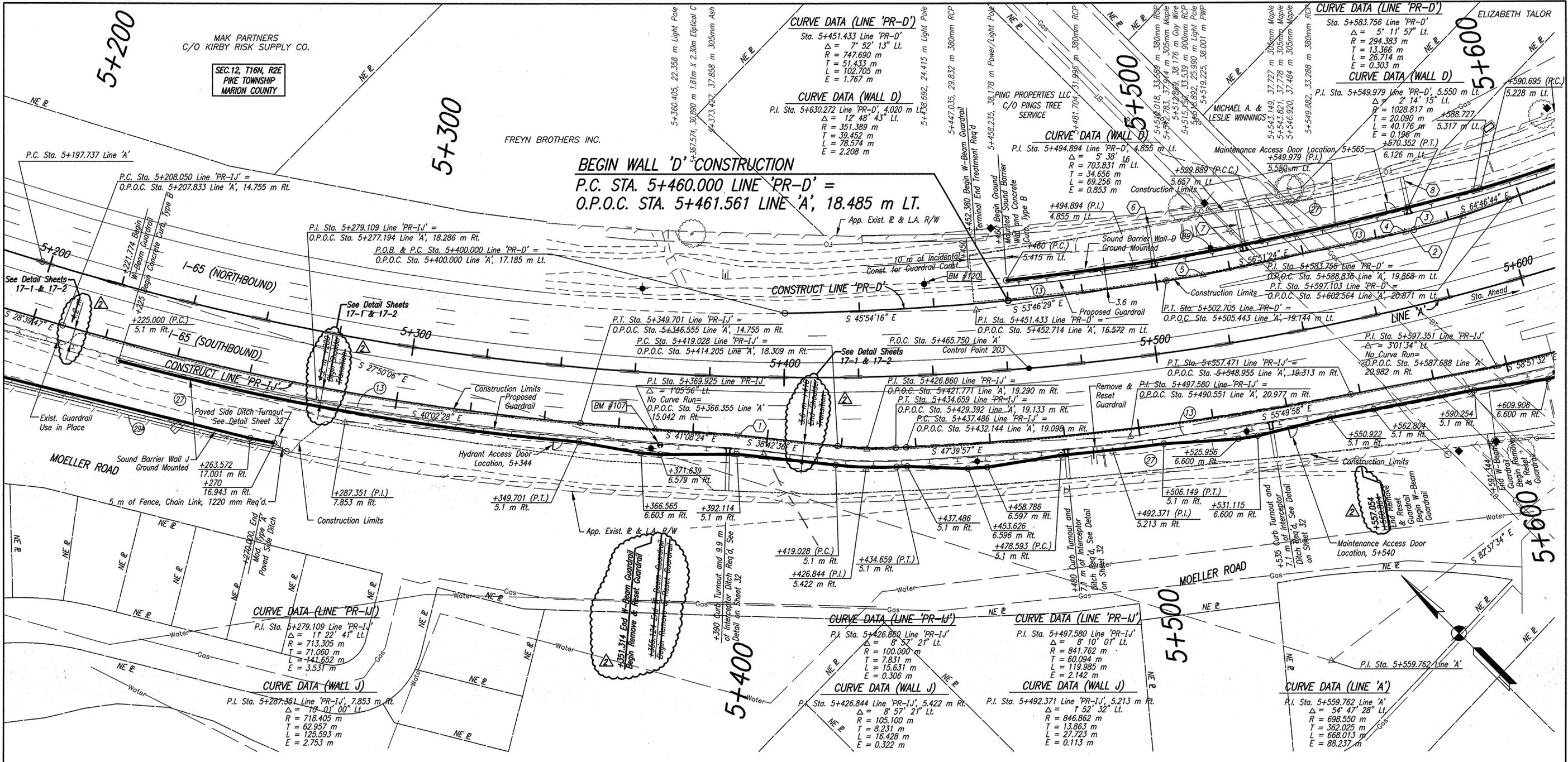
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RECOMMENDED FOR APPROVAL: Michael A. Kummeth, 1/19/06, DESIGN ENGINEER, DATE
DESIGNED: SCO, DRAWN: JLM/CJS
CHECKED: MAK, CHECKED: PT

INDIANA DEPARTMENT OF TRANSPORTATION
I-65 SOUND BARRIER WALL
WALLS I & J - PLAN & PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	0300429
SURVEY BOOK	SHEETS
ELECTRONIC	6 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)



BEGIN WALL 'D' CONSTRUCTION
P.C. STA. 5+460.000 LINE 'PR-D' =
O.P.O.C. STA. 5+461.561 LINE 'A', 18.485 m LT.

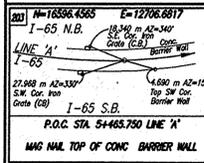
LEGEND

- (13) Concrete Curb, Type B
- (27) Seed Mixture, U
- (29) Remove Existing Fence
- (89) Relocate (By Others)

KEY NOTES:

- ① P.I. 5+392.222 Line 'PR-I-J'
 $\Delta = 2'25'48''$ Rt.
 No Curve Run
 O.P.O.T. Sta. 5+388.168 Line 'A', 15,594 m Rt.
 $S 59'34'47'' E$
- ② P.C. Sta. 5+570.390 Line 'PR-D' =
 O.P.O.T. Sta. 5+575.097 Line 'A', 19,815 m Lt.
- ③ P.I. 5+568.071 Line 'PR-D'
 $\Delta = 2'43'23''$ Lt.
 No Curve Run
 O.P.O.T. Sta. 5+572.692 Line 'A', 19,778 m Rt.
- ④ P.I. 5+512.670 Line 'PR-D'
 $\Delta = 3'04'55''$ Lt.
 No Curve Run
 O.P.O.T. Sta. 5+515.689 Line 'A', 19,192 m Rt.
- ⑤ +500 Curb Turnout and 7.9 m of Interceptor
 Ditch Req'd, See Detail on Sheet 32
- ⑥ +525 Curb Turnout and 9.3 m of Interceptor
 Ditch Req'd, See Detail on Sheet 32
- ⑦ +570 Curb Turnout and 8.1 m of Interceptor
 Ditch Req'd, See Detail on Sheet 32

NOTE: ALL TOPOGRAPHY AND R/W ON THIS SHEET DESCRIBED FROM LINE 'A' EXCEPT AS NOTED. ALL SOUND BARRIER WALL GEOMETRICS ARE DESCRIBED FROM CONSTRUCT LINE 'PR-I-J' OR 'PR-D'.



9-14-06 MAK Plan Revisions

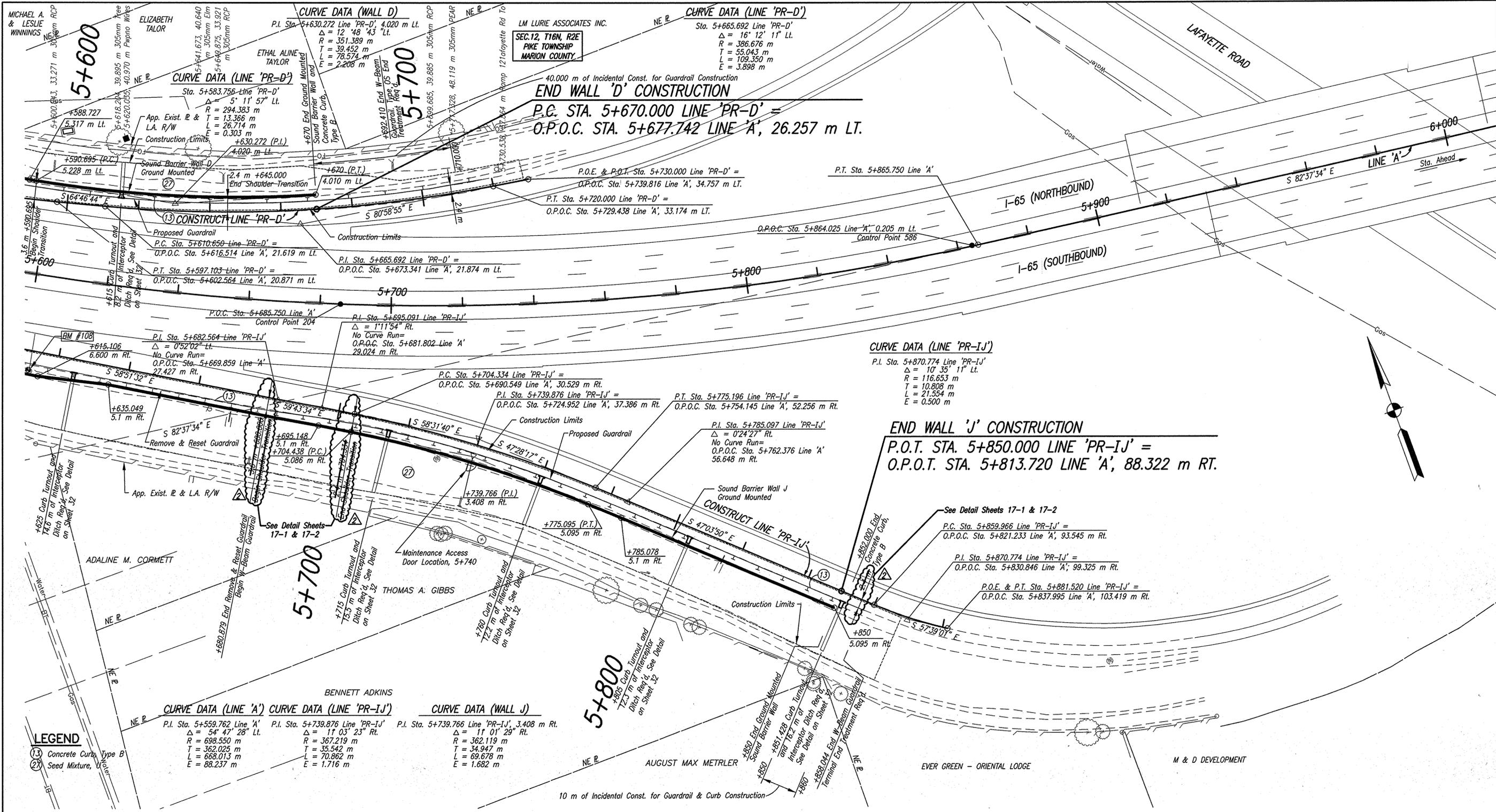


RECOMMENDED FOR APPROVAL	Michael A. Kummeth	9/20/06
DESIGNED:	SCO	DRAWN: JLM/CJS
CHECKED:	MAK	CHECKED: PT

INDIANA DEPARTMENT OF TRANSPORTATION
I-65 SOUND BARRIER WALL WALLS J & D - PLAN & PROFILE

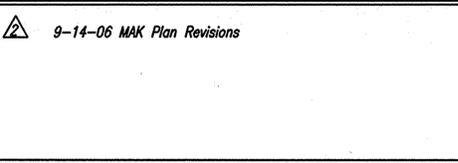
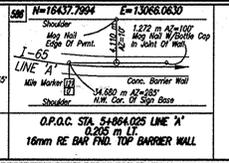
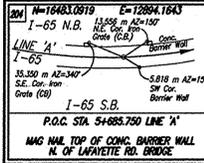
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VERTICAL SCALE	1:100	DESIGNATION
SURVEY BOOK	ELECTRONIC	7-A of 101
CONTRACT	R-28085	PROJECT
		IM-065-3(306)

Date: Sep 21, 2006, 7:20am User ID: estumpf File: M:\proj\0461\2533\bridge\dwg\Noise\Walls\I-65 to Cold Springs\2533\NW 1 - J&D\PP01.dwg



Station	Description
5+602.187	27.015 m Traffic Mast Arm
5+606.915	46.821 m Post
5+651.714	31.433 m Exit 45MPH Sign
5+657.077	34.509 m 150mm PVC
5+665.069	45.974 m 305mm RCP
5+712.717	63.707 m 254mm Tree
5+712.764	42.780 m Traffic Manhole
5+713.815	63.986 m 254mm Tree
5+714.843	63.664 m 254mm Tree
5+718.537	56.201 m 305mm CMP
5+724.215	65.561 m 150mm Tree
5+755.210	81.173 m 305mm Tree
5+763.574	86.025 m 254mm Tree
5+766.035	77.297 m 305mm CMP
5+767.322	87.643 m 254mm Tree
5+775.592	92.510 m 254mm Tree
5+777.599	93.465 m 254mm Tree
5+783.933	77.439 m 150mm Tree
5+802.179	108.168 m 254mm Tree
5+803.283	109.208 m Post/WOOD
5+803.283	109.138 m Post
5+803.828	112.688 m 254mm Tree
5+803.857	112.028 m 254mm Tree
5+808.324	90.425 m Ramp 121 Sign
5+810.023	116.535 m 254mm Tree
5+865.849	139.841 m 305mm Tree
5+870.016	140.360 m 254mm Tree
5+875.256	141.729 m Post
5+876.273	121.536 m Traffic Manhole
5+902.071	143.238 m Post

NOTE: ALL TOPOGRAPHY AND R/W ON THIS SHEET DESCRIBED FROM LINE 'A' EXCEPT AS NOTED. ALL SOUND BARRIER WALL GEOMETRICS ARE DESCRIBED FROM CONSTRUCT LINE 'PR-IJ' OR 'PR-D'.



RECOMMENDED FOR APPROVAL	Michael A. Kume	9/20/06
DESIGNED:	SCO	DRAWN: JLM/CJS
CHECKED:	MAK	CHECKED: PT

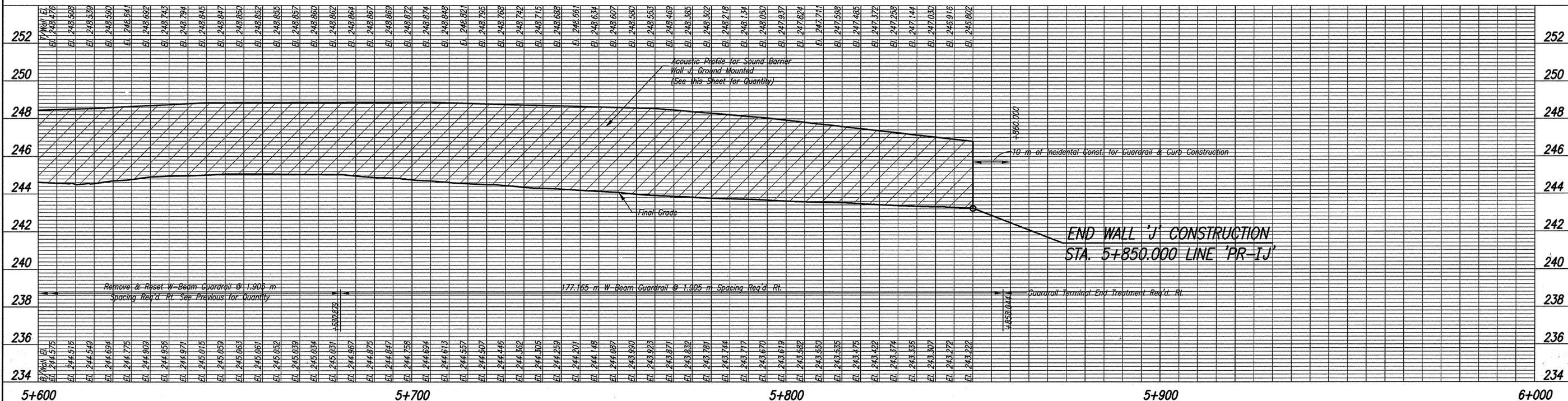
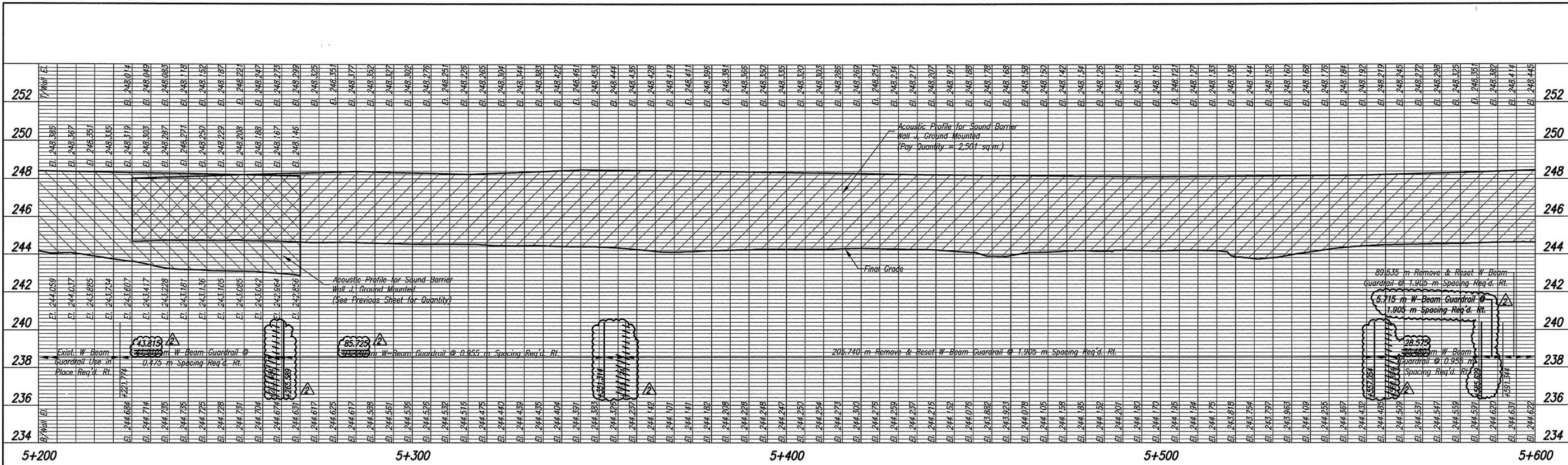
INDIANA DEPARTMENT OF TRANSPORTATION

I-65 SOUND BARRIER WALL WALLS J & D - PLAN & PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	0300429
SURVEY BOOK	SHEETS
ELECTRONIC	8-A of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)

Date: Sep 21, 2006, 7:20am User: dx_catumpl File: M:\proj\0461\2533\bridge\dwg\Voice Walla\65 to Cold Springs\2533NW I J&DPR01.dwg

Date: Sep 21, 2006, 7:20am User ID: estump
 File: M:\proj\0461\2533\bridge\1 J&D\PP01.dwg



- TBM #107 'X' Cut Top Of Nut For Bolt At Back Of Guardrail Near First Light Pole South Of 52nd Street. Sta. 5+367.8 Line 'A', 19.1m Rt. Elev.=244.971
- TBM #108 'X' Cut NW Bolt For Overhead Sign 'LAFAYETTE RD' Ping's Tree Service. Sta. 5+601.9 Line 'A', 26.8m Rt. Elev. 245.344
- TBM #118 'X' Cut West Bolt Of Strain Pole Located At Corner Of Lafayette Rd. And I-65 Off Ramp. Sta. 5+899.2 Line 'A', 108.7m Lt. Elev.=241.252
- TBM #120 'X' Cut In West Base Of Light Pole In Front Of Ping's Tree Service. Sta. 5+438.7 Line 'A', 24.4m Lt. Elev.=243.210

9-14-06 MAK Plan Revisions



RECOMMENDED FOR APPROVAL	Michael A. Kummeth 9/20/06 DESIGN ENGINEER DATE	
DESIGNED:	SCO	DRAWN: JLM/CJS
CHECKED:	MAK	CHECKED: PT

INDIANA
DEPARTMENT OF TRANSPORTATION

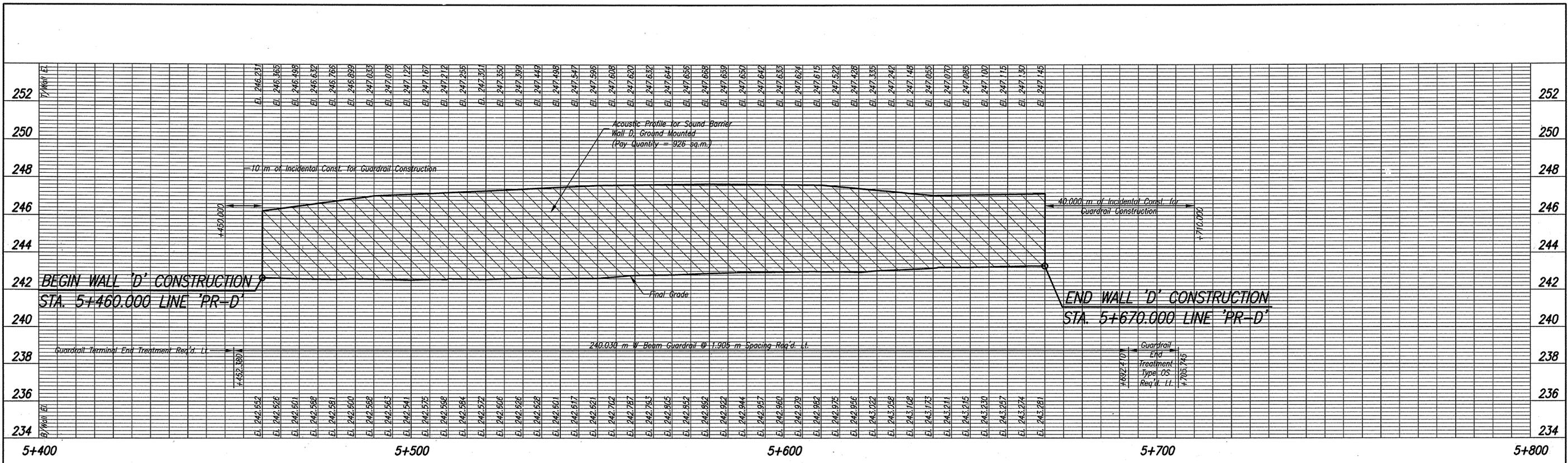
I-65 SOUND BARRIER WALL
WALL J - PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	0300429
SURVEY BOOK	SHEETS
ELECTRONIC	9-A of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)

Date: Jan 19, 2006, 7:49am User: ID: estumpf
 File: M:\proj\0461\2533\bridge\dwg\Noise Walls\65 to Cold Springs\2533NH 1 JKDPP01.dwg

TBM #108 'X' Cut NW Bolt For Overhead Sign 'LAFAYETTE RD'
 Sta. 5+601.9 Line 'A', 26.8m Rt. Elev. 245.344

TBM #120 'X' Cut In West Base Of Light Pole In Front Of
 Ping's Tree Service.
 Sta. 5+438.7 Line 'A', 24.4m Lt. Elev.=243.210



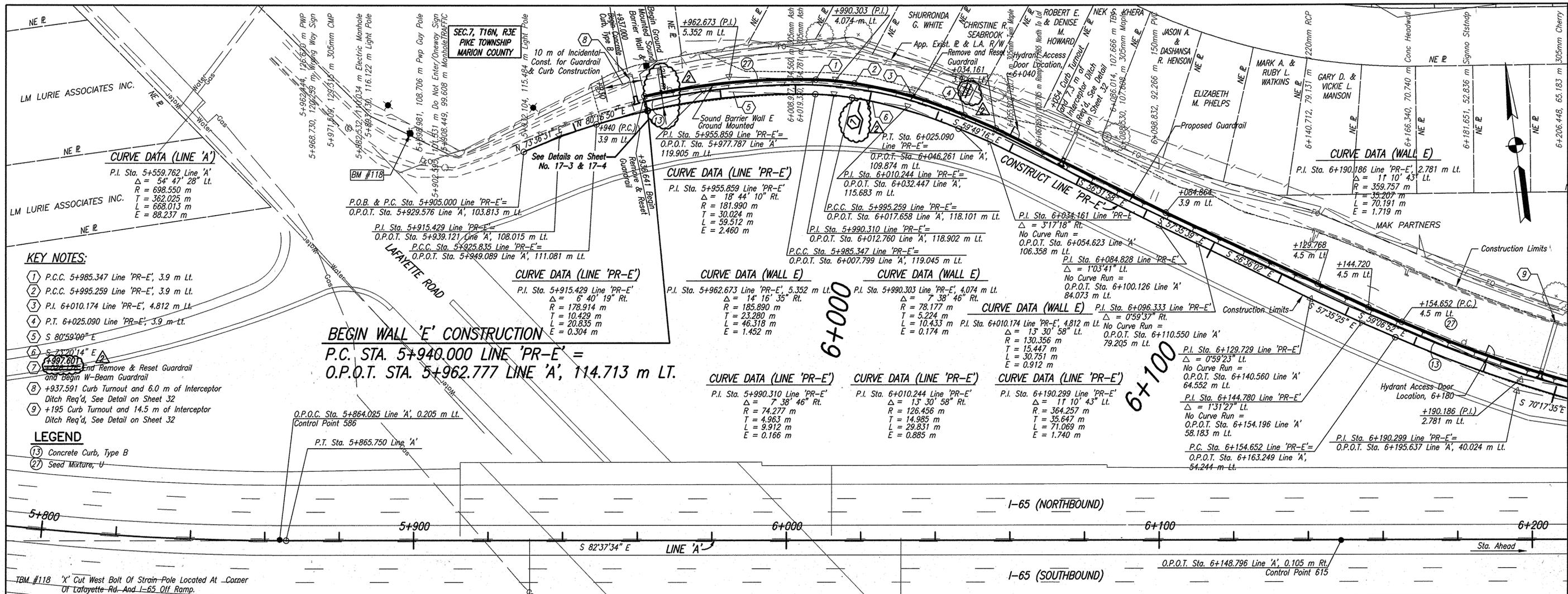
RECOMMENDED FOR APPROVAL *Michael A. Kimmeth* 1/19/06
 DESIGN ENGINEER DATE

DESIGNED: SCO DRAWN: JLM/CJS
 CHECKED: MAK CHECKED: PT

INDIANA DEPARTMENT OF TRANSPORTATION

I-65 SOUND BARRIER WALL
 WALL D - PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	0300429
SURVEY BOOK	SHEETS
ELECTRONIC	10 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)



CURVE DATA (LINE 'A')
 P.I. Sta. 5+559.762 Line 'A'
 $\Delta = 54^\circ 47' 28''$ Lt.
 $R = 698.550$ m
 $T = 362.025$ m
 $L = 668.013$ m
 $E = 88.237$ m

CURVE DATA (LINE 'PR-E')
 P.I. Sta. 5+955.859 Line 'PR-E'
 $\Delta = 18^\circ 44' 10''$ Rt.
 $R = 181.990$ m
 $T = 30.024$ m
 $L = 59.512$ m
 $E = 2.460$ m

KEY NOTES:

- 1 P.C.C. 5+985.347 Line 'PR-E', 3.9 m Lt.
- 2 P.C.C. 5+995.259 Line 'PR-E', 3.9 m Lt.
- 3 P.I. 6+010.174 Line 'PR-E', 4.812 m Lt.
- 4 P.T. 6+025.090 Line 'PR-E', 3.9 m Lt.
- 5 S 80°59'00" E
- 6 S 73°20'14" E
- 7 Remove & Reset Guardrail and Begin W-Beam Guardrail
- 8 +937.591 Curb Turnout and 6.0 m of Interceptor Ditch Req'd, See Detail on Sheet 32
- 9 +195 Curb Turnout and 14.5 m of Interceptor Ditch Req'd, See Detail on Sheet 32

LEGEND

- 13 Concrete Curb, Type B
- 27 Seed Mixture, U

BEGIN WALL 'E' CONSTRUCTION
 P.C. STA. 5+940.000 LINE 'PR-E' =
 O.P.O.T. STA. 5+962.777 LINE 'A', 114.713 m Lt.

CURVE DATA (LINE 'PR-E')
 P.I. Sta. 5+915.429 Line 'PR-E'
 $\Delta = 6^\circ 40' 19''$ Rt.
 $R = 178.914$ m
 $T = 10.429$ m
 $L = 20.835$ m
 $E = 0.304$ m

CURVE DATA (WALL E)
 P.I. Sta. 5+962.673 Line 'PR-E', 5.352 m Lt.
 $\Delta = 14^\circ 16' 35''$ Rt.
 $R = 185.890$ m
 $T = 23.280$ m
 $L = 46.318$ m
 $E = 1.452$ m

CURVE DATA (WALL E)
 P.I. Sta. 5+990.303 Line 'PR-E', 4.074 m Lt.
 $\Delta = 7^\circ 38' 46''$ Rt.
 $R = 78.177$ m
 $T = 5.224$ m
 $L = 10.433$ m
 $E = 0.174$ m

CURVE DATA (WALL E)
 P.I. Sta. 6+010.174 Line 'PR-E', 4.812 m Lt.
 $\Delta = 13^\circ 30' 58''$ Lt.
 $R = 130.356$ m
 $T = 15.447$ m
 $L = 30.751$ m
 $E = 0.912$ m

CURVE DATA (WALL E)
 P.I. Sta. 6+096.333 Line 'PR-E'
 $\Delta = 0^\circ 59' 37''$ Rt.
 $R = 364.257$ m
 $T = 35.647$ m
 $L = 71.069$ m
 $E = 1.740$ m

CURVE DATA (WALL E)
 P.I. Sta. 6+129.729 Line 'PR-E'
 $\Delta = 0^\circ 59' 23''$ Lt.
 $R = 64.552$ m
 $T = 1.3127$ m
 $L = 58.183$ m
 $E = 0.166$ m

NOTE: ALL TOPOGRAPHY AND R/W ON THIS SHEET DESCRIBED FROM LINE 'A' EXCEPT AS NOTED. ALL SOUND BARRIER WALL GEOMETRICS ARE DESCRIBED FROM CONSTRUCT LINE 'PR-E'.

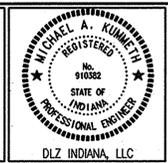
Sta. Ahead	6+200	6+100	6+000	5+900	5+800
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252	252.185	252.185	252.185	252.185	252.185
250	250.246	250.246	250.246	250.246	250.246
248	248.317	248.317	248.317	248.317	248.317
246	246.388	246.388	246.388	246.388	246.388
244	244.459	244.459	244.459	244.459	244.459
242	242.530	242.530	242.530	242.530	242.530
240	240.601	240.601	240.601	240.601	240.601
238	238.672	238.672	238.672	238.672	238.672
236	236.743	236.743	236.743	236.743	236.743

BEGIN WALL 'E' CONSTRUCTION
 STA. 5+940.000 LINE 'PR-E'

Date: Sep 21, 2006, 7:25 am User: ID: cslump1
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051 N=16437.7894 E=13066.0630
 052 N=16400.9413 E=13348.4360
 053 I-65 N.B. 1185 m Az=47
 054 I-65 S.B. 1185 m Az=135
 055 I-65 S.B. 1185 m Az=135
 10mm RE BAR FND. TOP BARRIER WALL

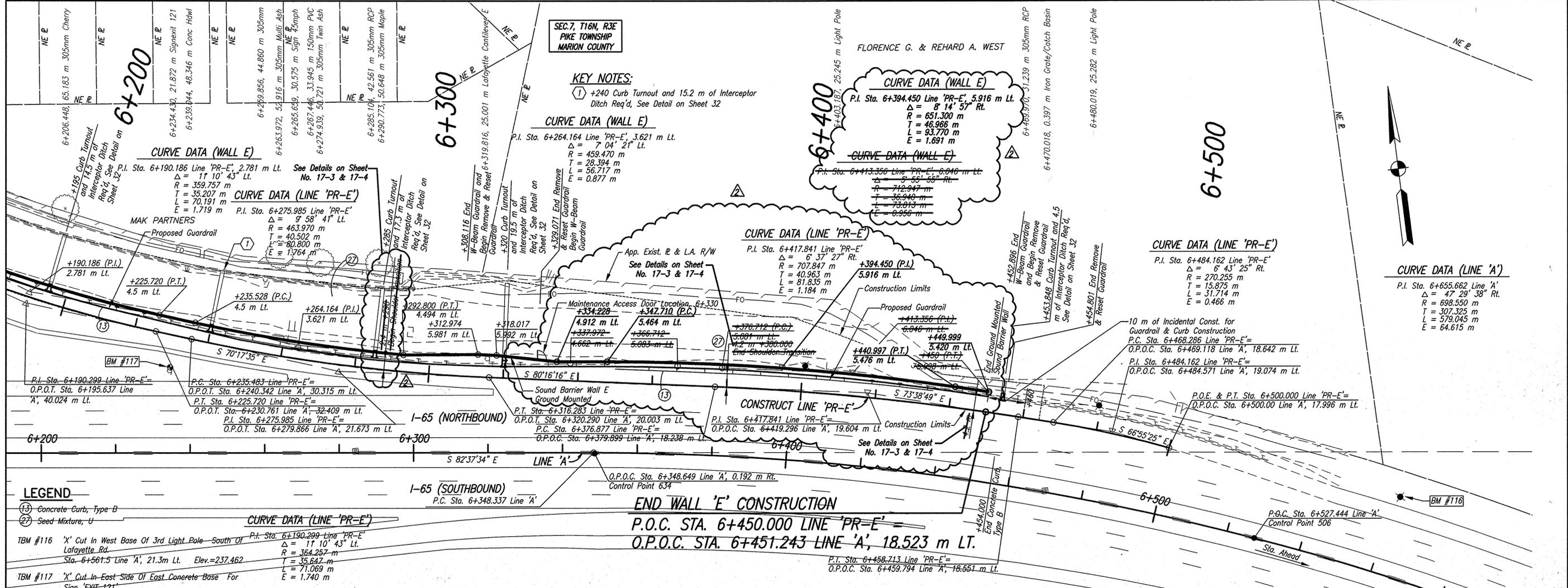
9-14-06 MAK Plan Revisions
 O.P.O.T. STA. 6+148.796 LINE 'A'
 0.105 m Lt.
 16mm RE BAR FND. TOP BARRIER WALL



RECOMMENDED FOR APPROVAL: Michael A. Kimmeth 9/20/06
 DESIGN ENGINEER DATE
 DESIGNED: SCO DRAWN: JLM/CJS
 CHECKED: MAK CHECKED: PT

INDIANA DEPARTMENT OF TRANSPORTATION
 I-65 SOUND BARRIER WALL E - PLAN & PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	0300429
SURVEY BOOK	SHEETS
ELECTRONIC	11-A of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)



LEGEND

- (13) Concrete-Curb, Type B
- (27) Seed Mixture, U

TBM #116 'X' Cut In West Base Of 3rd Light Pole - South Of Lafayette Rd.
Sta. 6+561.5 Line 'A', 21.3m Lt. Elev.=237.462

TBM #117 'X' Cut In East Side Of East Concrete Base For Sign 'EXIT 121'
Sta. 6+234.6 Line 'A', 22.8m Lt. Elev.=242.064

CURVE DATA (LINE 'PR-E')

P.I. Sta. 6+190.299 Line 'PR-E'
O.P.O.C. Sta. 6+195.637 Line 'A', 40.024 m Lt.

P.C. Sta. 6+235.485 Line 'PR-E'
O.P.O.C. Sta. 6+240.342 Line 'A', 30.315 m Lt.

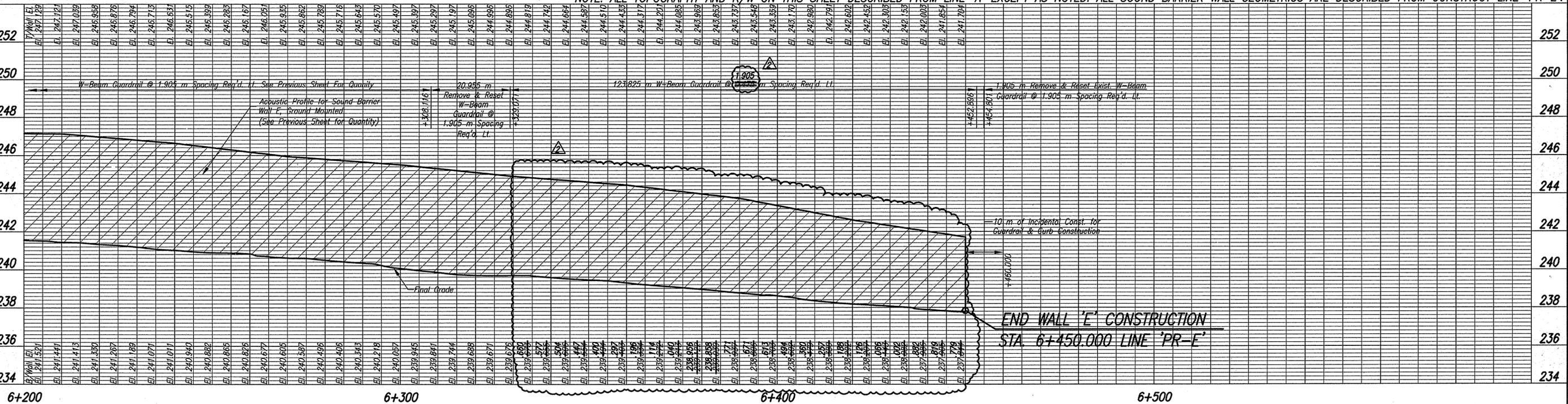
P.T. Sta. 6+225.720 Line 'PR-E'
O.P.O.C. Sta. 6+230.761 Line 'A', 32.409 m Lt.

P.I. Sta. 6+275.985 Line 'PR-E'
O.P.O.C. Sta. 6+279.866 Line 'A', 21.673 m Lt.

END WALL 'E' CONSTRUCTION

P.O.C. STA. 6+450.000 LINE 'PR-E'
O.P.O.C. STA. 6+451.243 LINE 'A', 18.523 m Lt.

NOTE: ALL TOPOGRAPHY AND R/W ON THIS SHEET DESCRIBED FROM LINE 'A' EXCEPT AS NOTED. ALL SOUND-BARRIER WALL GEOMETRICS ARE DESCRIBED FROM CONSTRUCT LINE 'PR-E'.



<p>351 N=16378.2024 E=13546.6273</p> <p>I-65 N.B. 8.233 m AZ=99°</p> <p>LINE 'A' 1-65</p> <p>3.894 m AZ=278°</p> <p>O.P.O.C. STA. 6+348.649 LINE 'A'</p> <p>16mm RE BAR FND. TOP BARRIER WALL</p>	<p>356 N=16330.0827 E=13719.0862</p> <p>I-65 N.B. 8.862 m AZ=101°</p> <p>LINE 'A' 1-65</p> <p>3.894 m AZ=278°</p> <p>O.P.O.C. STA. 6+527.444 LINE 'A'</p> <p>16mm RE BAR FND. CENTER BARRIER WALL</p>
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9-14-06 MAK Plan Revisions



RECOMMENDED FOR APPROVAL: Michael A. Kummert, 9/20/06, DESIGN ENGINEER DATE

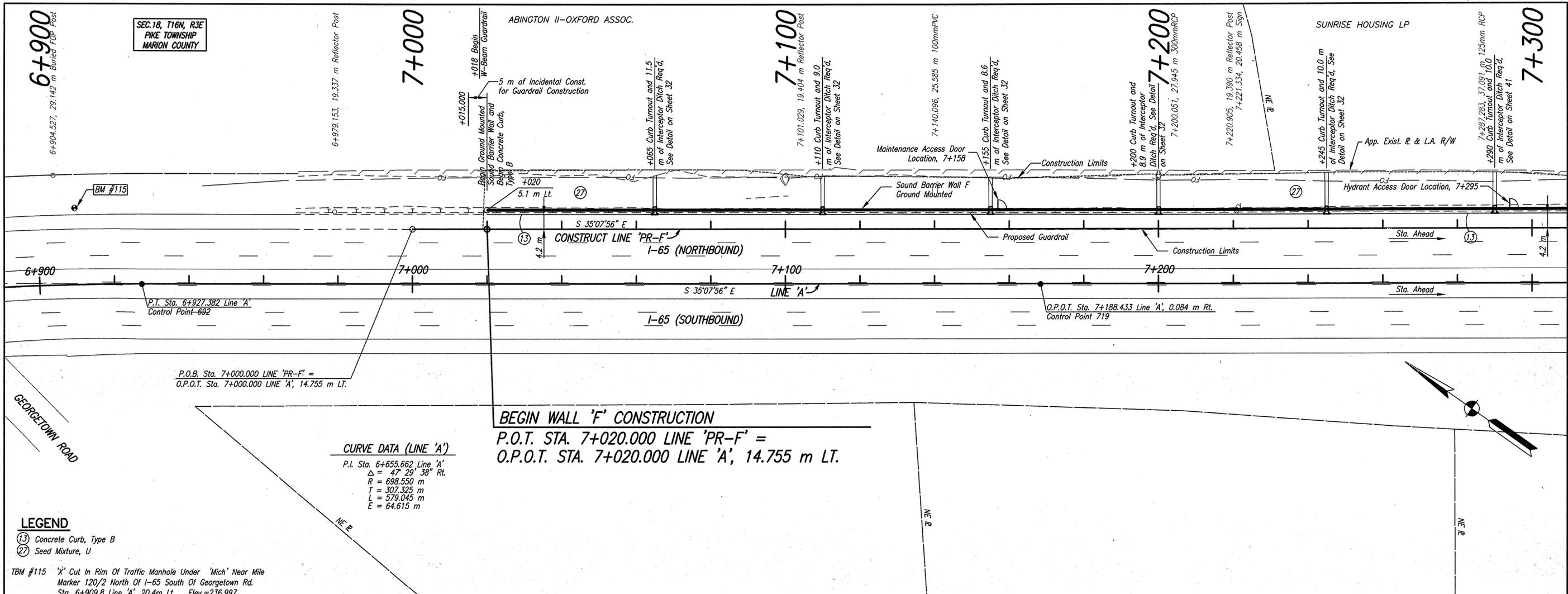
DESIGNED: SCO DRAWN: JLM/CJS

CHECKED: MAK CHECKED: PT

INDIANA DEPARTMENT OF TRANSPORTATION

I-65 SOUND BARRIER WALL E - PLAN & PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	0300429
SURVEY BOOK	SHEETS
ELECTRONIC	12-A of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)



SEC. 18, T16N, R3E
PIKE TOWNSHIP
MARION COUNTY

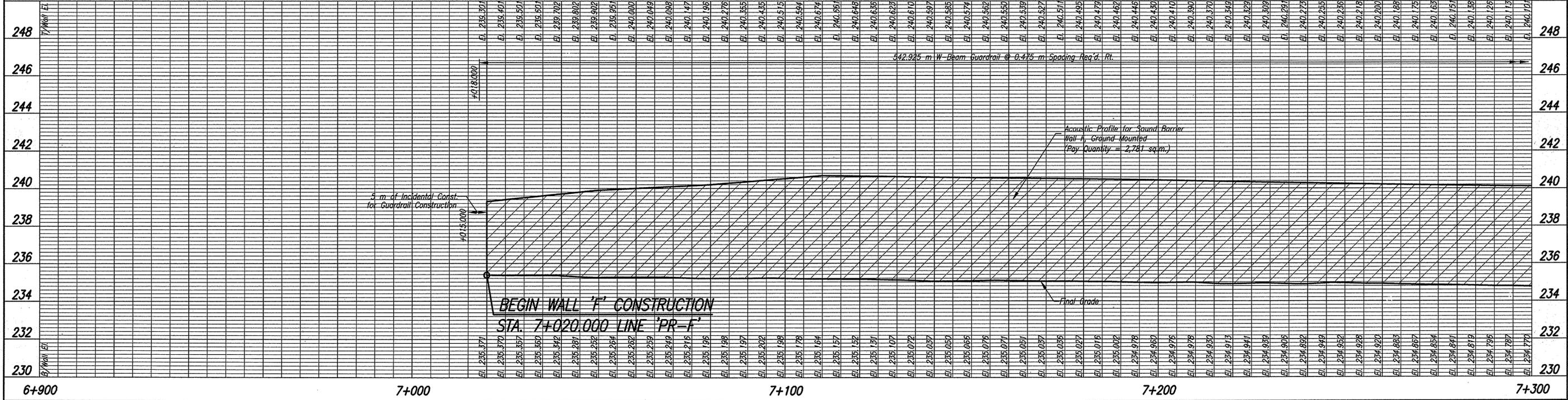
BEGIN WALL 'F' CONSTRUCTION
P.O.T. STA. 7+020.000 LINE 'PR-F' =
O.P.O.T. STA. 7+020.000 LINE 'A', 14.755 m LT.

CURVE DATA (LINE 'A')
P.I. Sta. 6+655.662 Line 'A'
Δ = 47° 29' 38" Rt.
R = 698.550 m
T = 307.325 m
L = 579.045 m
E = 64.615 m

- LEGEND**
- (13) Concrete Curb, Type B
 - (27) Seed Mixture, U

TBM #115 'X' Cut In Rim Of Traffic Manhole Under 'Mich' Near Mile Marker 120/2 North Of I-65 South Of Georgetown Rd. Sta. 6+909.8 Line 'A', 20.4m Lt. Elev.=236.997

NOTE: ALL TOPOGRAPHY AND R/W ON THIS SHEET DESCRIBED FROM LINE 'A' EXCEPT AS NOTED. ALL SOUND BARRIER WALL GEOMETRICS ARE DESCRIBED FROM CONSTRUCT LINE 'PR-F'.



<p>771 N=16084.6542 E=14027.9807 I-65 N.B. R152 m AZ=155° I-65 S.B. R152 m AZ=155° 16mm RE BAR FND. TOP BARRIER WALL</p>	<p>772 N=15871.1113 E=14178.1375 I-65 N.B. R105 m AZ=155° I-65 S.B. R105 m AZ=155° 16mm RE BAR FND. TOP BARRIER WALL</p>
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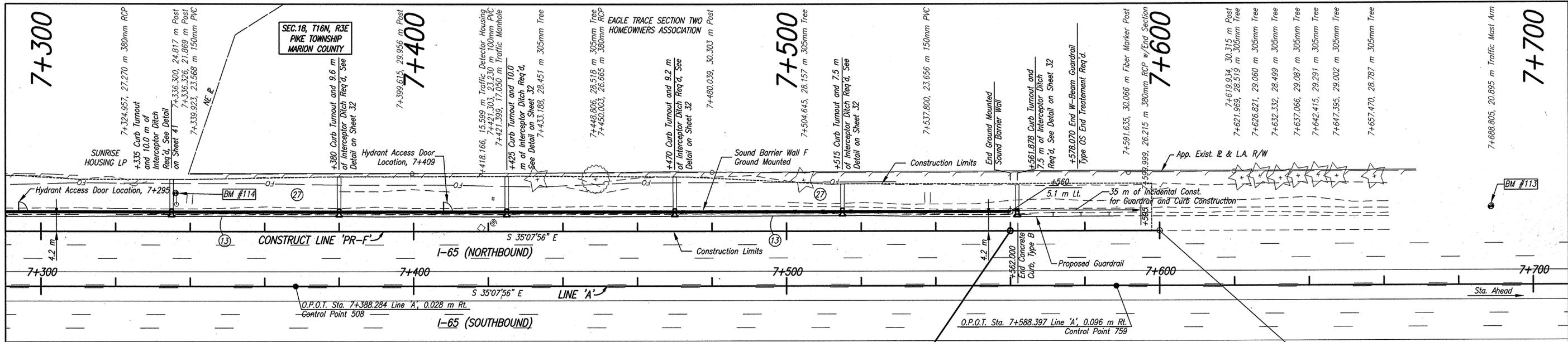


RECOMMENDED FOR APPROVAL	Michael A. Kummeth	11/9/06	DATE
DESIGNED:	SCO	DRAWN:	JLM/CJS
CHECKED:	MAK	CHECKED:	PT

INDIANA DEPARTMENT OF TRANSPORTATION

I-65 SOUND BARRIER WALL F - PLAN & PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	0300429
SURVEY BOOK	SHEETS
ELECTRONIC	13 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)



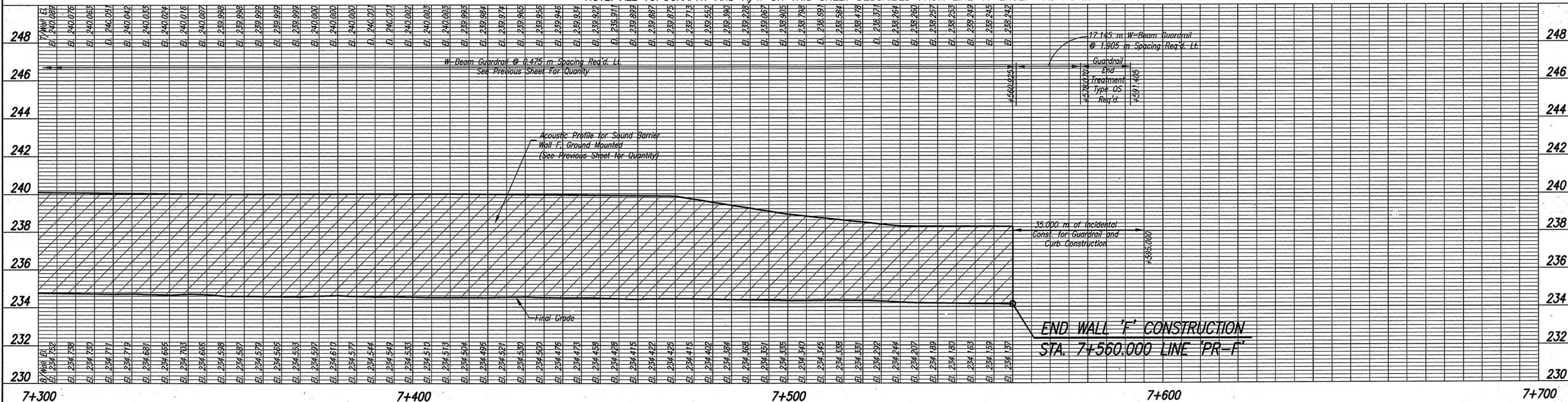
END WALL 'F' CONSTRUCTION
 P.O.T. STA. 7+560.000 LINE 'PR-F' =
 O.P.O.T. STA. 7+560.000 LINE 'A', 14.755 m LT.

P.O.B. Sta. 7+600.000 LINE 'PR-F' =
 O.P.O.T. Sta. 7+600.000 LINE 'A', 14.755 m LT.

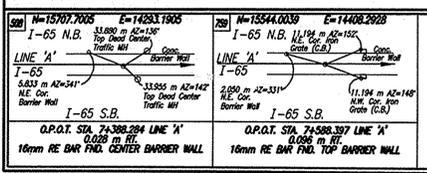
LEGEND

- (13) Concrete Curb, Type B
- (27) Seed Mixture, U
- TBM #113 'X' Cut Top Of NW Bolt For NE Sign Post For Electronic Overhead Sign.
Sta. 7+688.7 Line 'A', 20.7m Lt. Elev.=234.078
- TBM #114 'X' Cut Top NW Bolt For East Leg For Sign 'LAFAYETTE RD 1/2 MILE'
Sta. 7+336.1 Line 'A', 24.8m Lt. Elev.=233.345

NOTE: ALL TOPOGRAPHY AND R/W ON THIS SHEET DESCRIBED FROM LINE 'A' EXCEPT AS NOTED. ALL SOUND BARRIER WALL GEOMETRICS ARE DESCRIBED FROM CONSTRUCT LINE 'PR-F'.



Date: Jan 19, 2006, 7:50am User: id_cattmwf File: M:\proj\0461\2533\bridge\dwg\Noise Wall\65 to Cold Springs\2533NWFFP01.dwg



RECOMMENDED FOR APPROVAL *Michael A. Kimmel* 11/17/06
 DESIGN ENGINEER DATE

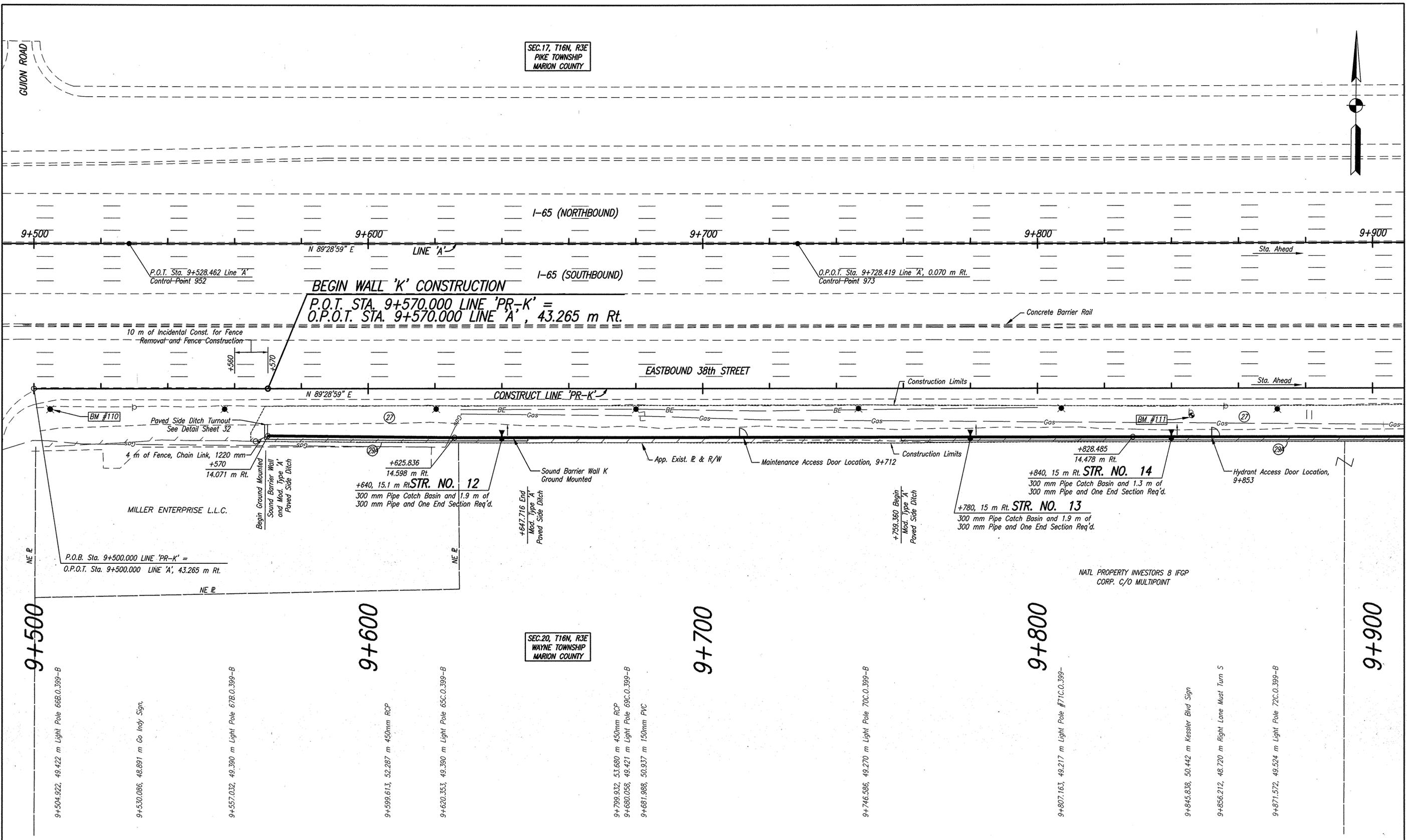
DESIGNED: SCO DRAWN: JLM/CJS
 CHECKED: MAK CHECKED: PT

INDIANA DEPARTMENT OF TRANSPORTATION

I-65 SOUND BARRIER WALL WALL F - PLAN & PROFILE

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 0300429
SURVEY BOOK ELECTRONIC CONTRACT R-28085	SHEETS 14 of 101 PROJECT IM-065-3(306)

SEC.17, T16N, R3E
PIKE TOWNSHIP
MARION COUNTY



LEGEND
 (27) Seed Mixture, U
 (28) Remove Existing Fence

NOTE: ALL TOPOGRAPHY AND R/W ON THIS SHEET DESCRIBED FROM LINE 'A' EXCEPT AS NOTED. ALL SOUND BARRIER WALL GEOMETRICS ARE DESCRIBED FROM CONSTRUCT LINE 'PR-K'.

Date: Jan 19, 2006, 7:50am User ID: estump
 File: M:\proj\0461\2533\bridge\veg\Notes\Walls\65 to Cold Springs\2533NWPP01.dwg

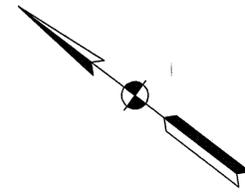
I-65 N.B. LINE 'A' I-65 I-65 S.B. P.O.T. STA. 9+528.462 LINE 'A' 16mm RE BAR FND. TOP BARRIER WALL	I-65 N.B. LINE 'A' I-65 I-65 S.B. O.P.O.T. STA. 9+728.419 LINE 'A' 16mm RE BAR FND. TOP BARRIER WALL
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RECOMMENDED FOR APPROVAL	Michael A. Kummert	1/19/06	DATE
DESIGNED:	SCO	DRAWN:	JLM/CJS
CHECKED:	MAK	CHECKED:	PT

INDIANA
DEPARTMENT OF TRANSPORTATION
 I-65 SOUND BARRIER WALL
 WALL K - PLAN & PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	0300429
SURVEY BOOK	SHEETS
ELECTRONIC	15 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)



CURVE DATA
 P.I. Face of Guardrail =
 O.P.O.C. Sta. 5+254.210 Line 'PR-U', 4.799 m Rt.
 $\Delta = 5^\circ 12' 54''$ Lt.
 $R = 600.000$ m
 $T = 27.324$ m
 $L = 54.610$ m
 $E = 0.622$ m

CURVE DATA
 P.I. Face of Guardrail =
 O.P.O.C. Sta. 5+320.909 Line 'PR-U', 4.569 m Rt.
 $\Delta = 5^\circ 04' 42''$ Lt.
 $R = 600.000$ m
 $T = 26.608$ m
 $L = 53.182$ m
 $E = 0.590$ m

P.I. Face of Guardrail =
 O.P.O.T. Sta. 5+370.000 Line 'PR-U', 3.743 m Rt.

P.C. Face of Guardrail =
 O.P.O.C. Sta. 5+227.063 Line 'PR-U', 4.203 m Rt.

B.O.P. Face of Guardrail =
 O.P.O.C. Sta. 5+225.077 Line 'PR-U', 4.200 m Rt.

P.I. Face of Guardrail =
 O.P.O.C. Sta. 5+254.210 Line 'PR-U', 4.799 m Rt.

P.T. Face of Guardrail =
 O.P.O.C. Sta. 5+281.356 Line 'PR-U', 3.948 m Rt.

P.I. Face of Guardrail =
 O.P.O.C. Sta. 5+320.909 Line 'PR-U', 4.569 m Rt.

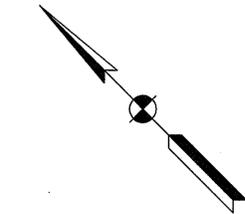
P.T. Face of Guardrail =
 O.P.O.C. Sta. 5+347.353 Line 'PR-U', 3.857 m Rt.

CONSTRUCT LINE 'PR-U'

Proposed Face of Guardrail Alignment

Existing Edge of Pavement

5+300



CURVE DATA
 P.I. Face of Guardrail =
 O.P.O.T. Sta. 5+395.097 Line 'PR-U', 3.406 m Rt.
 $\Delta = 3^\circ 28' 02''$ Rt.
 $R = 150.000$ m
 $T = 4.540$ m
 $L = 9.077$ m
 $E = 0.069$ m

P.C. Face of Guardrail =
 O.P.O.T. Sta. 5+413.253 Line 'PR-U', 3.591 m Rt.

Existing Edge of Pavement

CONSTRUCT LINE 'PR-U'

Proposed Face of Guardrail Alignment

P.T. Face of Guardrail =
 O.P.O.C. Sta. 5+514.289 Line 'PR-U', 3.550 m Rt.

P.T. Face of Guardrail =
 O.P.O.T. Sta. 5+399.637 Line 'PR-U', 3.452 m Rt.

P.I. Face of Guardrail =
 O.P.O.T. Sta. 5+395.097 Line 'PR-U', 3.406 m Rt.

P.C. Face of Guardrail =
 O.P.O.T. Sta. 5+390.410 Line 'PR-U', 3.561 m Rt.

P.I. Face of Guardrail =
 O.P.O.T. Sta. 5+380.000 Line 'PR-U', 3.643 m Rt.

P.I. Face of Guardrail =
 O.P.O.C. Sta. 5+426.310 Line 'PR-U', 4.001 m Rt.

P.T. Face of Guardrail =
 O.P.O.C. Sta. 5+439.321 Line 'PR-U', 3.495 m Rt.

P.C. Face of Guardrail =
 O.P.O.C. Sta. 5+457.373 Line 'PR-U', 3.530 m Rt.

CURVE DATA
 P.I. Face of Guardrail =
 O.P.O.C. Sta. 5+485.831 Line 'PR-U', 4.375 m Rt.
 $\Delta = 5^\circ 16' 58''$ Lt.
 $R = 820.000$ m
 $T = 28.603$ m
 $L = 57.165$ m
 $E = 0.659$ m

CURVE DATA
 P.I. Face of Guardrail =
 O.P.O.C. Sta. 5+426.310 Line 'PR-U', 4.001 m Rt.
 $\Delta = 10^\circ 09' 60''$ Lt.
 $R = 150.000$ m
 $T = 13.343$ m
 $L = 26.616$ m
 $E = 0.592$ m

5+400

5+500

MATCHLINE STA. 5+380 LINE 'PR-U'
SEE BELOW

MATCHLINE STA. 5+540 LINE 'PR-U'
SEE NEXT SHEET

For Line 'PR-U' Geometrics See Sheet No. 7-A

Date: Sep 21, 2006, 3:07pm User ID: dhoover
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RECOMMENDED FOR APPROVAL *B K Arterberry* 9/20/06
 DESIGN ENGINEER DATE

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 CHECKED: BKA CHECKED: PDF

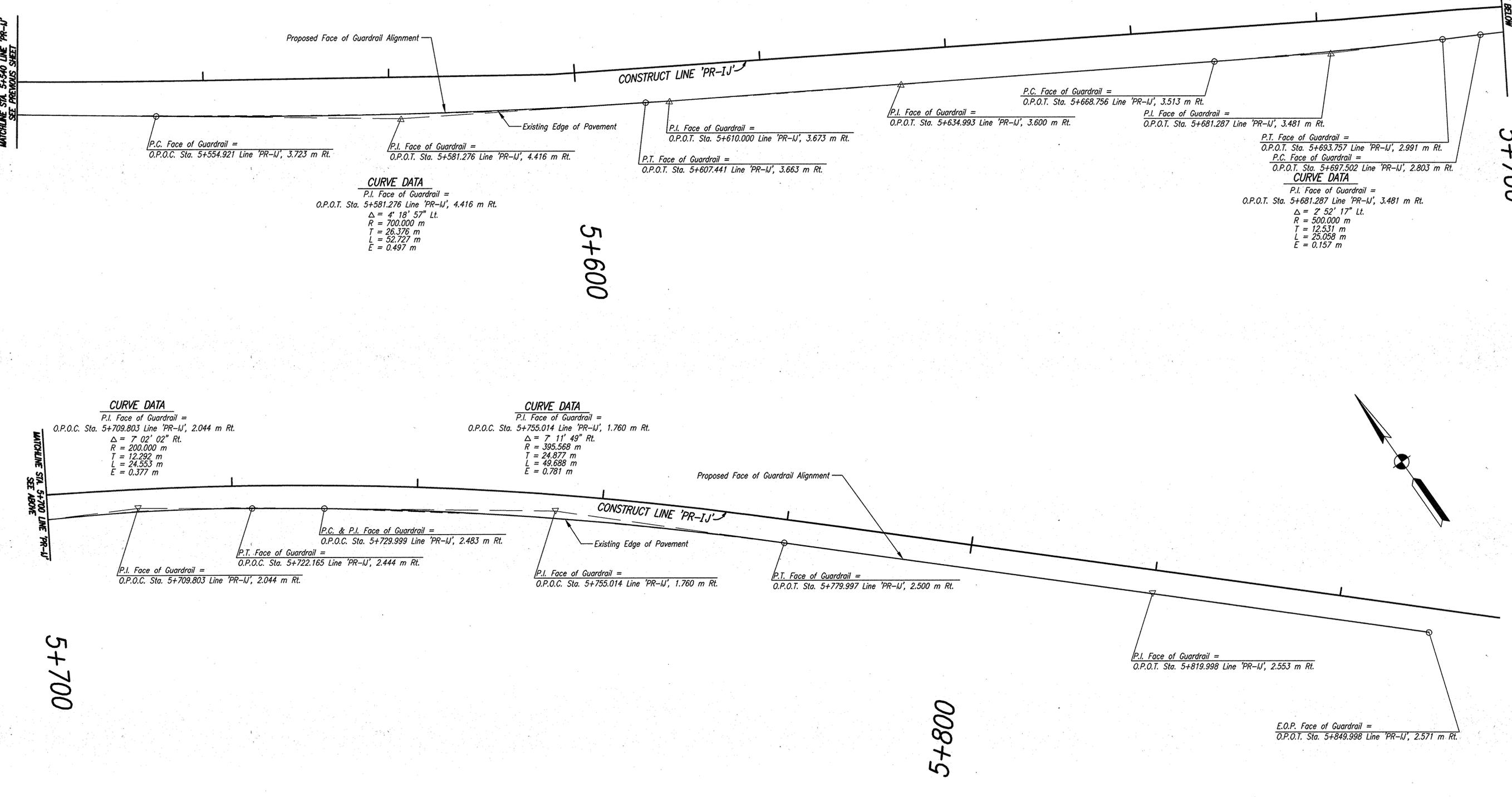
INDIANA
 DEPARTMENT OF TRANSPORTATION
 I-65 SOUND BARRIER WALL
 WALL J - GUARDRAIL GEOMETRIC DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1:200	
VERTICAL SCALE	DESIGNATION
1:200	0300429
SURVEY BOOK	SHEETS
ELECTRONIC	17-1 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)

MATCHLINE STA. 5+540 LINE 'PR-IJ'
SEE PREVIOUS SHEET

MATCHLINE STA. 5+700 LINE 'PR-IJ'
SEE BELOW

5+700



P.C. Face of Guardrail =
O.P.O.C. Sta. 5+554.921 Line 'PR-IJ', 3.723 m Rt.

P.I. Face of Guardrail =
O.P.O.T. Sta. 5+581.276 Line 'PR-IJ', 4.416 m Rt.

P.I. Face of Guardrail =
O.P.O.T. Sta. 5+610.000 Line 'PR-IJ', 3.673 m Rt.

P.T. Face of Guardrail =
O.P.O.T. Sta. 5+607.441 Line 'PR-IJ', 3.663 m Rt.

P.I. Face of Guardrail =
O.P.O.T. Sta. 5+634.993 Line 'PR-IJ', 3.600 m Rt.

P.C. Face of Guardrail =
O.P.O.T. Sta. 5+668.756 Line 'PR-IJ', 3.513 m Rt.

P.I. Face of Guardrail =
O.P.O.T. Sta. 5+681.287 Line 'PR-IJ', 3.481 m Rt.

P.T. Face of Guardrail =
O.P.O.T. Sta. 5+693.757 Line 'PR-IJ', 2.991 m Rt.
P.C. Face of Guardrail =
O.P.O.T. Sta. 5+697.502 Line 'PR-IJ', 2.803 m Rt.

CURVE DATA
P.I. Face of Guardrail =
O.P.O.T. Sta. 5+581.276 Line 'PR-IJ', 4.416 m Rt.
 $\Delta = 4^\circ 18' 57''$ Lt.
R = 700.000 m
T = 26.376 m
L = 52.727 m
E = 0.497 m

CURVE DATA
P.I. Face of Guardrail =
O.P.O.T. Sta. 5+681.287 Line 'PR-IJ', 3.481 m Rt.
 $\Delta = 2^\circ 52' 17''$ Lt.
R = 500.000 m
T = 12.531 m
L = 25.059 m
E = 0.157 m

CURVE DATA
P.I. Face of Guardrail =
O.P.O.C. Sta. 5+709.803 Line 'PR-IJ', 2.044 m Rt.
 $\Delta = 7^\circ 02' 02''$ Rt.
R = 200.000 m
T = 12.292 m
L = 24.553 m
E = 0.377 m

CURVE DATA
P.I. Face of Guardrail =
O.P.O.C. Sta. 5+755.014 Line 'PR-IJ', 1.760 m Rt.
 $\Delta = 7^\circ 11' 49''$ Rt.
R = 395.568 m
T = 24.877 m
L = 49.688 m
E = 0.781 m

P.C. & P.I. Face of Guardrail =
O.P.O.C. Sta. 5+729.999 Line 'PR-IJ', 2.483 m Rt.

P.T. Face of Guardrail =
O.P.O.C. Sta. 5+722.165 Line 'PR-IJ', 2.444 m Rt.

P.I. Face of Guardrail =
O.P.O.C. Sta. 5+709.803 Line 'PR-IJ', 2.044 m Rt.

P.I. Face of Guardrail =
O.P.O.C. Sta. 5+755.014 Line 'PR-IJ', 1.760 m Rt.

P.T. Face of Guardrail =
O.P.O.T. Sta. 5+779.997 Line 'PR-IJ', 2.500 m Rt.

P.I. Face of Guardrail =
O.P.O.T. Sta. 5+819.998 Line 'PR-IJ', 2.553 m Rt.

E.O.P. Face of Guardrail =
O.P.O.T. Sta. 5+849.998 Line 'PR-IJ', 2.571 m Rt.

5+700

5+800

For Line 'PR-IJ' Geometrics See Sheet No. 7-A & 8-A

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RECOMMENDED FOR APPROVAL *B.K. Arterberry* 9/20/06
DESIGN ENGINEER DATE

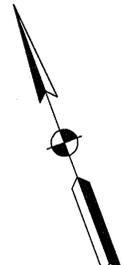
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CHECKED: BKA CHECKED: PDF

INDIANA DEPARTMENT OF TRANSPORTATION

**I-65 SOUND BARRIER WALL
WALL J - GUARDRAIL GEOMETRIC DETAILS**

HORIZONTAL SCALE	BRIDGE FILE
1:200	
VERTICAL SCALE	DESIGNATION
1:200	0300429
SURVEY BOOK	SHEETS
ELECTRONIC	17-2 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)

6+000



B.O.P. & P.C. Face of Guardrail =
O.P.O.C. Sta. 5+940.001 Line 'PR-E', 2,556 m Lt.

P.I. Face of Guardrail =
O.P.O.C. Sta. 5+955.000 Line 'PR-E', 2,928 m Lt.

Proposed Face of Guardrail Alignment

Existing Edge of Pavement

P.C. Face of Guardrail =
O.P.O.C. Sta. 5+972.950 Line 'PR-E', 2,451 m Lt.

P.T. Face of Guardrail =
O.P.O.C. Sta. 5+970.001 Line 'PR-E', 2,406 m Lt.

CURVE DATA
P.I. Face of Guardrail =
O.P.O.C. Sta. 5+955.000 Line 'PR-E', 2,928 m Lt.
 $\Delta = 8^{\circ} 05' 19''$ Rt.
R = 215.341 m
T = 15.225 m
L = 30.400 m
E = 0.538 m

CURVE DATA
P.I. Face of Guardrail =
O.P.O.C. Sta. 5+996.329 Line 'PR-E', 5,097 m Lt.
 $\Delta = 24^{\circ} 05' 03''$ Rt.
R = 114,000 m
T = 24,319 m
L = 47,920 m
E = 2,565 m

CURVE DATA
P.I. Face of Guardrail =
O.P.O.T. Sta. 6+034.843 Line 'PR-E', 3,646 m Lt.
 $\Delta = 10^{\circ} 15' 26''$ Rt.
R = 169,220 m
T = 15,188 m
L = 30,294 m
E = 0,680 m

CURVE DATA
P.I. Face of Guardrail =
O.P.O.C. Sta. 6+060.254 Line 'PR-E', 2,070 m Lt.
 $\Delta = 4^{\circ} 20' 43''$ Lt.
R = 140,000 m
T = 5,311 m
L = 10,618 m
E = 0,101 m

P.I. Face of Guardrail =
O.P.O.C. Sta. 5+996.329 Line 'PR-E', 5,097 m Lt.

P.T. Face of Guardrail =
O.P.O.C. Sta. 6+019.841 Line 'PR-E', 2,799 m Lt.

P.I. & P.C. Face of Guardrail =
O.P.O.C. Sta. 6+020.001 Line 'PR-E', 2,799 m Lt.

P.I. Face of Guardrail =
O.P.O.T. Sta. 6+034.843 Line 'PR-E', 3,646 m Lt.

P.T. Face of Guardrail =
O.P.O.C. Sta. 6+050.001 Line 'PR-E', 2,706 m Lt.

P.C. Face of Guardrail =
O.P.O.C. Sta. 6+054.953 Line 'PR-E', 2,398 m Lt.

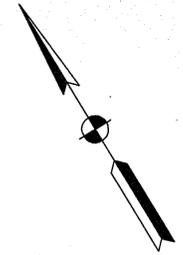
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P.T. Face of Guardrail =
O.P.O.C. Sta. 6+065.565 Line 'PR-E', 2,144 m Lt.

P.I. Face of Guardrail =
O.P.O.T. Sta. 6+090.001 Line 'PR-E', 2,388 m Lt.

MATCHLINE STA. 6+100 LINE 'PR-E'
SEE BELOW

6+100



6+100

CURVE DATA
P.I. Face of Guardrail =
O.P.O.C. Sta. 6+175.375 Line 'PR-E', 1,500 m Lt.
 $\Delta = 10^{\circ} 12' 22''$ Lt.
R = 305,033 m
T = 27,240 m
L = 54,336 m
E = 1,214 m

P.T. Face of Guardrail =
O.P.O.C. Sta. 6+202.750 Line 'PR-E', 2,938 m Lt.

P.I. Face of Guardrail =
O.P.O.T. Sta. 6+210.095 Line 'PR-E', 2,976 m Lt.

P.I. Face of Guardrail =
O.P.O.C. Sta. 6+230.001 Line 'PR-E', 2,946 m Lt.

P.I. Face of Guardrail =
O.P.O.T. Sta. 6+140.001 Line 'PR-E', 2,616 m Lt.

P.I. Face of Guardrail =
O.P.O.T. Sta. 6+130.002 Line 'PR-E', 2,566 m Lt.

Existing Edge of Pavement

P.I. & P.C. Face of Guardrail =
O.P.O.T. Sta. 6+148.052 Line 'PR-E', 2,928 m Lt.

P.I. Face of Guardrail =
O.P.O.C. Sta. 6+175.375 Line 'PR-E', 1,500 m Lt.

P.I. Face of Guardrail =
O.P.O.T. Sta. 6+210.095 Line 'PR-E', 2,976 m Lt.

P.I. Face of Guardrail =
O.P.O.C. Sta. 6+248.221 Line 'PR-E', 2,408 m Lt.

MATCHLINE STA. 6+200 LINE 'PR-E'
SEE NEXT SHEET

6+200

For Line 'PR-E' Geometrics See Sheet No. 11-A & 12-A

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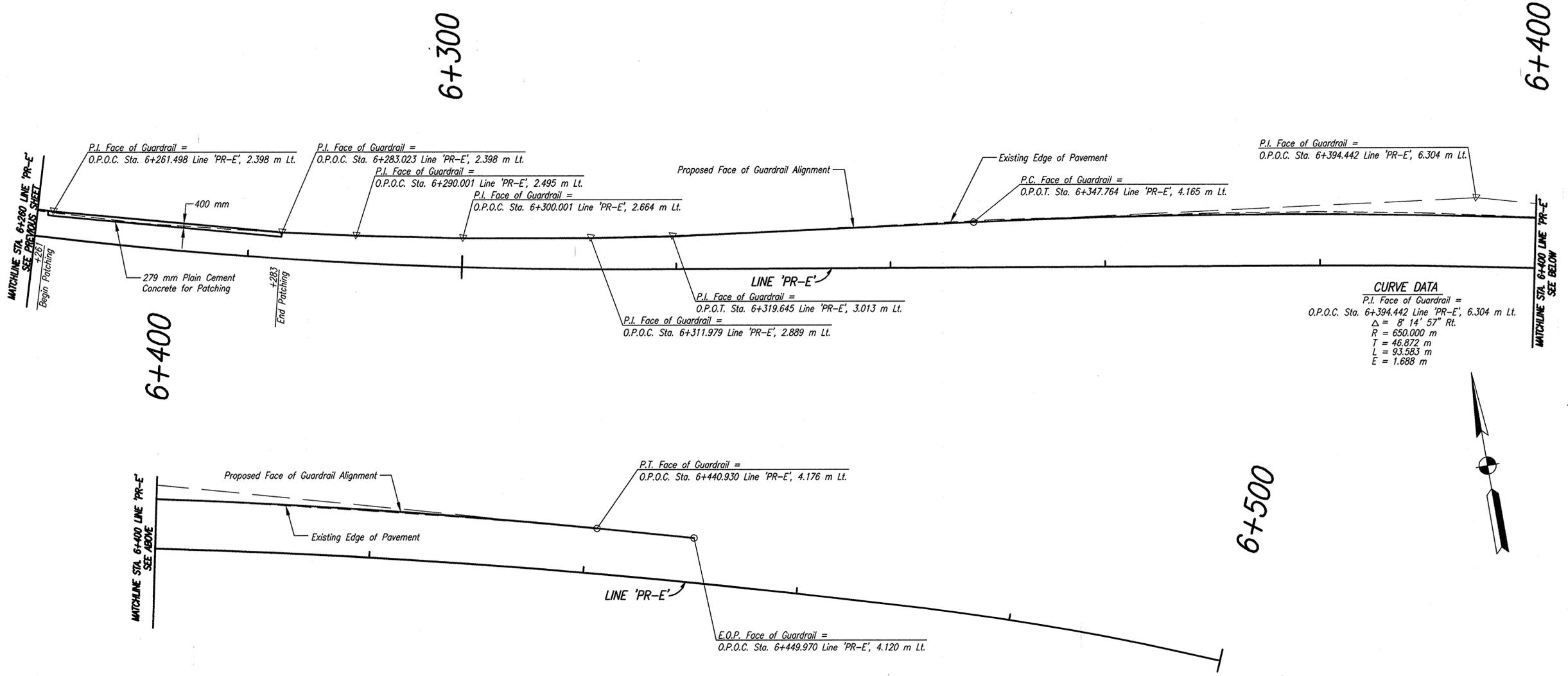
MATCHLINE STA. 6+100 LINE 'PR-E'
SEE ABOVE



RECOMMENDED FOR APPROVAL: *B. K. Artberg* 9/20/06
DESIGN ENGINEER DATE
DESIGNED: PDF DRAWN: JLM/CJS
CHECKED: BKA CHECKED: PDF

INDIANA DEPARTMENT OF TRANSPORTATION
I-65 SOUND BARRIER WALL
WALL E - GUARDRAIL GEOMETRIC DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1:200	
VERTICAL SCALE	DESIGNATION
1:200	0300429
SURVEY BOOK	SHEETS
ELECTRONIC	17-3 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)



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For Line 'PR-E' Geometrics See Sheet No. 12-A



RECOMMENDED FOR APPROVAL	<i>B K Arterbery</i>	9/20/06	DATE
DESIGNED:	PDF	DRAWN:	JLM/CJS
CHECKED:	BKA	CHECKED:	PDF

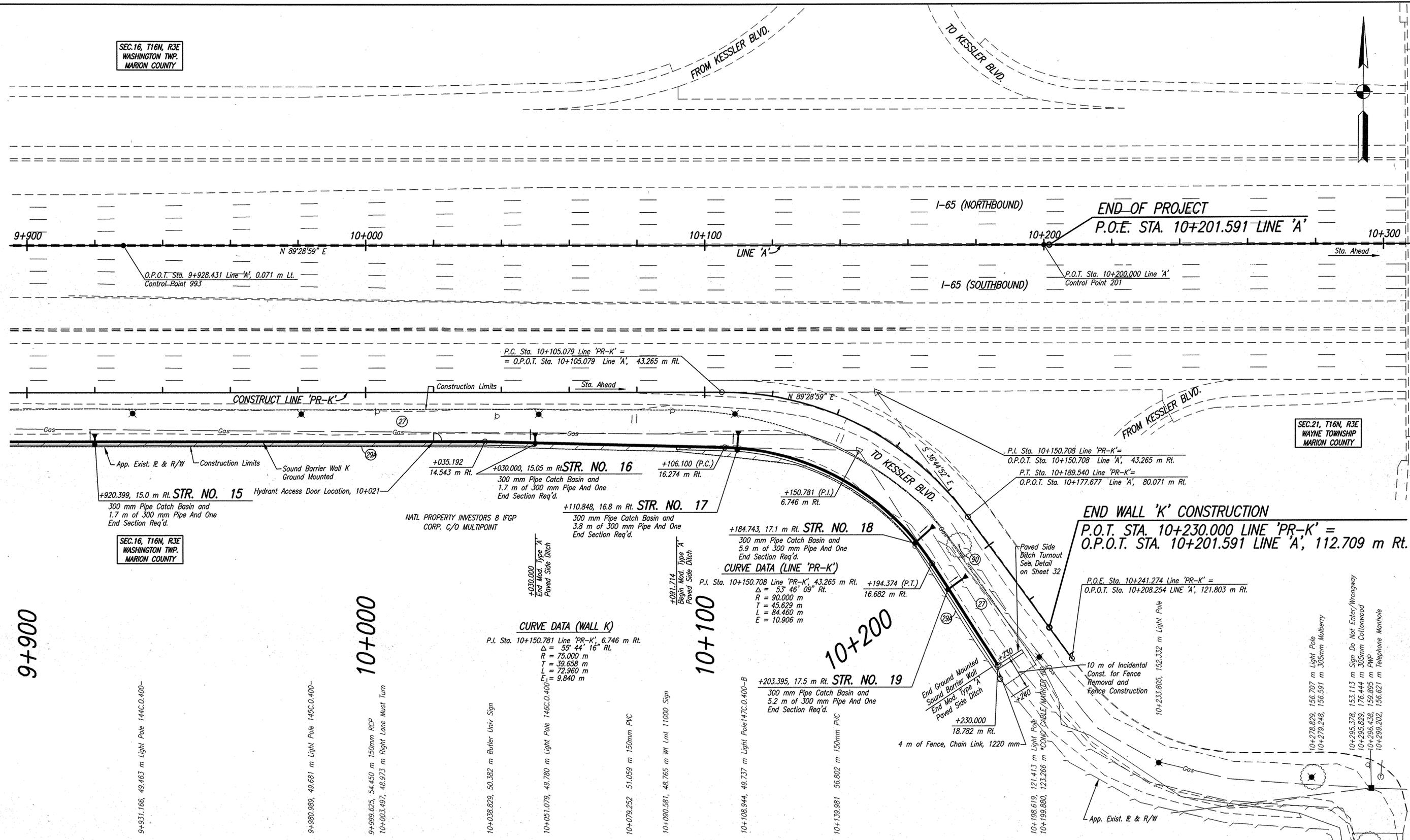
INDIANA DEPARTMENT OF TRANSPORTATION

**I-65 SOUND BARRIER WALL
 WALL E - GUARDRAIL GEOMETRIC DETAILS**

HORIZONTAL SCALE	BRIDGE FILE
1:200	
VERTICAL SCALE	DESIGNATION
1:100	0300429
SURVEY BOOK	SHEETS
ELECTRONIC	17-4 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)

SEC.16, T16N, R3E
WASHINGTON TWP.
MARION COUNTY

SEC.21, T16N, R3E
WAYNE TOWNSHIP
MARION COUNTY



9+900

10+000

10+100

10+200

10+300

- LEGEND**
- (27) Seed Mixture, U
 - (29A) Remove Existing Fence
 - (90) Remove, Tree

NOTE: ALL TOPOGRAPHY AND R/W ON THIS SHEET DESCRIBED FROM LINE 'A' EXCEPT AS NOTED. ALL SOUND BARRIER WALL GEOMETRICS ARE DESCRIBED FROM CONSTRUCT LINE 'PR-K'.

Date: Jan 19, 2006, 7:50am, User: ID: estumpf
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<p>1-65 N.B. Barrier Wall LINE 'A' I-65</p> <p>31.582 m A2=25 Center Light Pole 16mm RE BAR FND, TOP BARRIER WALL</p>	<p>1-65 S.B. Barrier Wall LINE 'A' I-65</p> <p>31.582 m A2=25 Center Light Pole 16mm RE BAR FND, TOP BARRIER WALL</p>
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<p>1-65 N.B. Barrier Wall LINE 'A' I-65</p> <p>31.582 m A2=25 Center Light Pole 16mm RE BAR FND, TOP BARRIER WALL</p>	<p>1-65 S.B. Barrier Wall LINE 'A' I-65</p> <p>31.582 m A2=25 Center Light Pole 16mm RE BAR FND, TOP BARRIER WALL</p>
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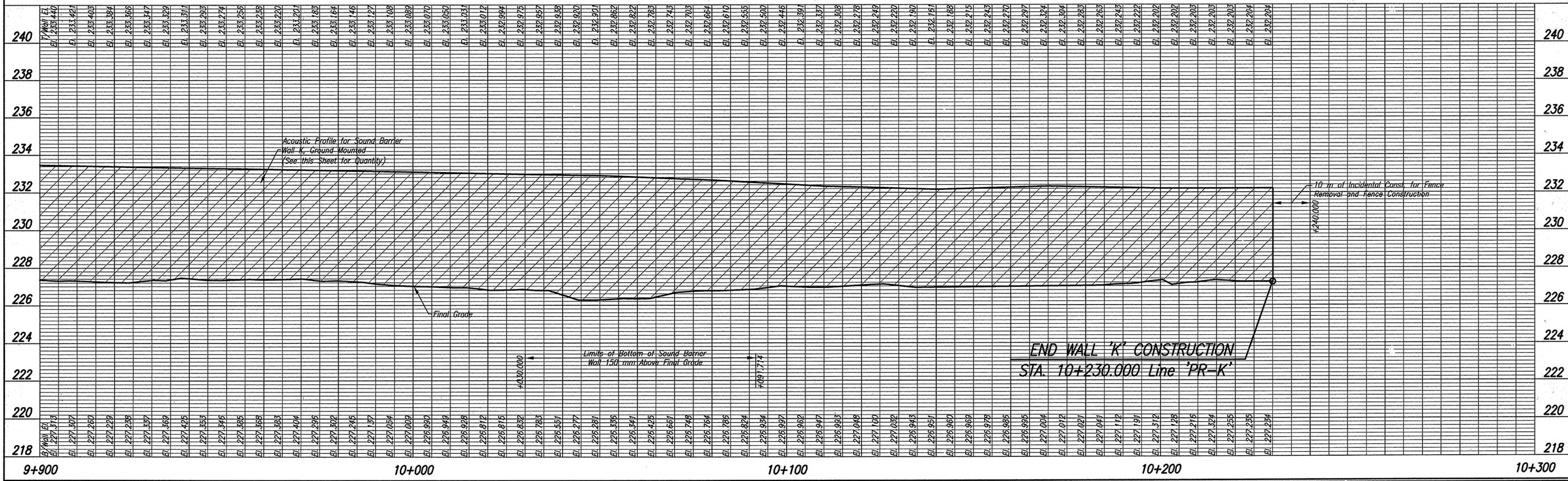
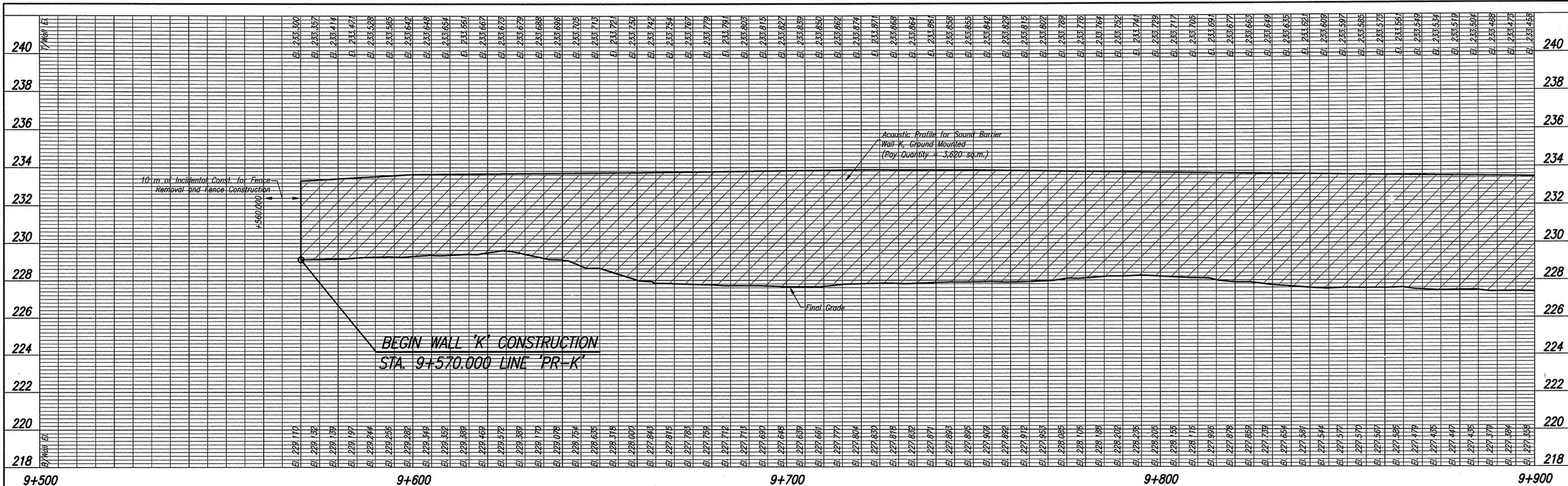


RECOMMENDED FOR APPROVAL	Michael A. Kimmeth	1/19/06	DATE
DESIGNED:	SCO	DRAWN:	JLM/CJS
CHECKED:	MAK	CHECKED:	PT

INDIANA DEPARTMENT OF TRANSPORTATION	
I-65 SOUND BARRIER WALL K - PLAN & PROFILE	

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	0300429
SURVEY BOOK	SHEETS
ELECTRONIC	16 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)

Date: Jan 19, 2006, 7:40am User: dlz_cshwmtf
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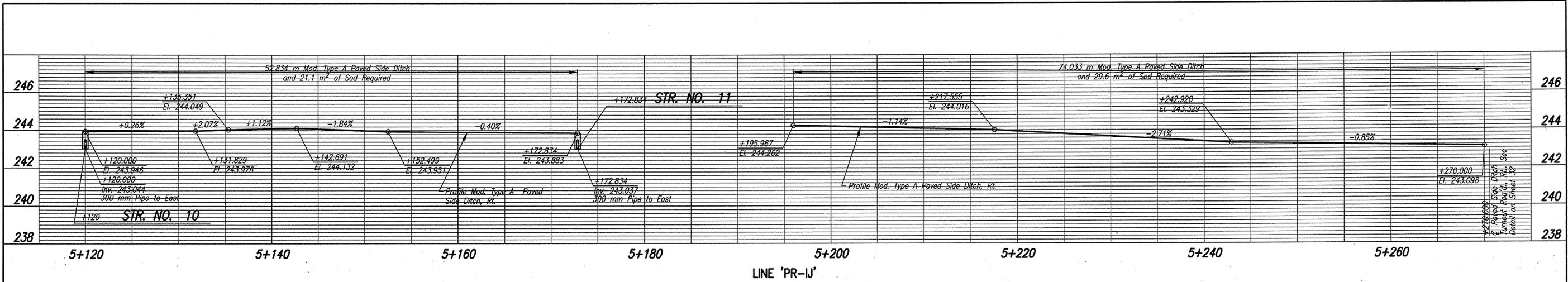
TBM #110 'X' Cut North Base of Light Pole #66 399B At
 38th Street And Guion Rd.
 Sta. 9+504.8 Line 'A', 49.3m Rt. Elev. 230.193
 TBM #111 'X' Cut NE Bolt Of South Leg For Sign 'KESSLER BLVD'
 Sta. 9+846.0 Line 'A', 51.5m Rt. Elev. 228.108



RECOMMENDED FOR APPROVAL *Michael A. Kummeth* 1/19/06 DATE
 DESIGN ENGINEER
 DESIGNED: SCO DRAWN: JLM/CJS
 CHECKED: MAK CHECKED: PT

INDIANA DEPARTMENT OF TRANSPORTATION
I-65 SOUND BARRIER WALL WALL K - PLAN & PROFILE

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 0300429
SURVEY BOOK ELECTRONIC CONTRACT R-28085	SHEETS 17 of 101 PROJECT IM-065-3(306)



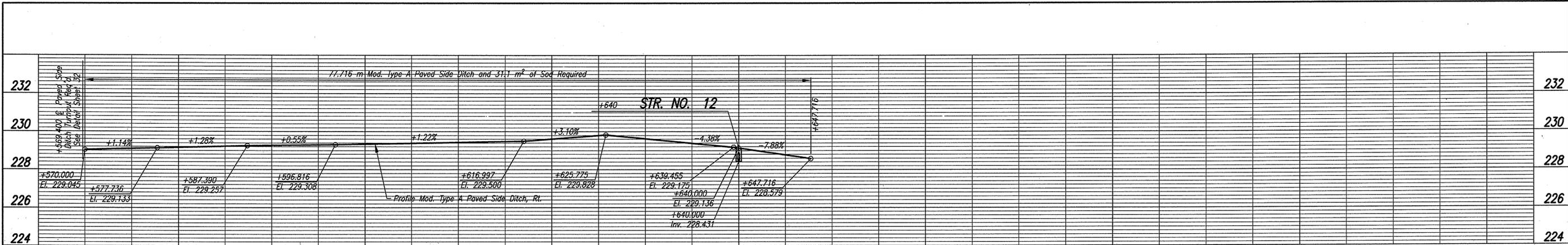
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RECOMMENDED FOR APPROVAL <i>Michael A. Kummeth</i> 1/19/06	
DESIGNED: SCO	DRAWN: JLM/CJS
CHECKED: MAK	CHECKED: ERW

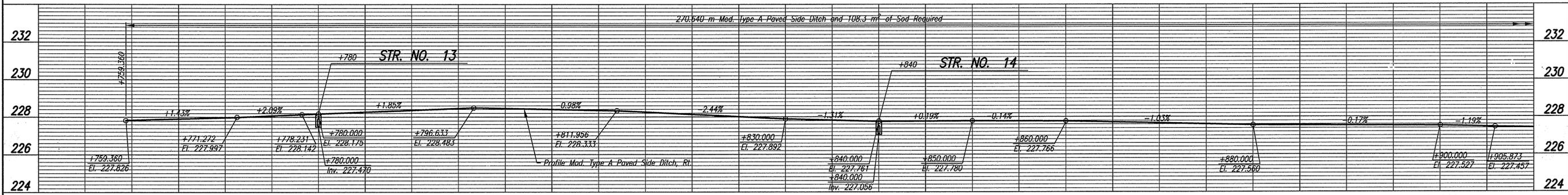
INDIANA
DEPARTMENT OF TRANSPORTATION
 I-65 SOUND BARRIER WALL
 WALL J - PAVED SIDE DITCH PROFILE

HORIZONTAL SCALE 1:200	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 0300429
SURVEY BOOK ELECTRONIC CONTRACT R-28085	SHEETS 18 of 101 PROJECT IM-065-3(306)



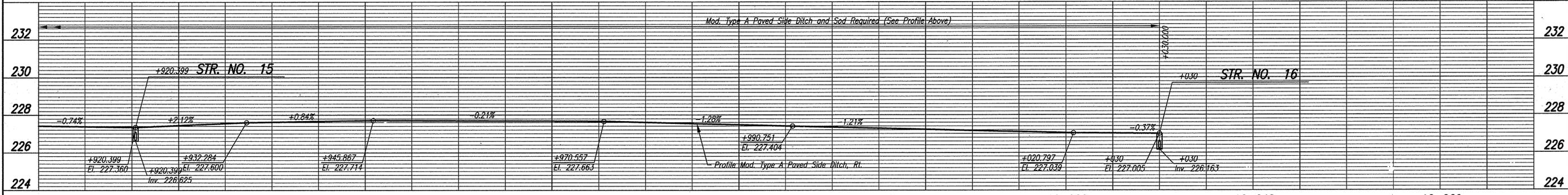
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LINE 'PR-K'



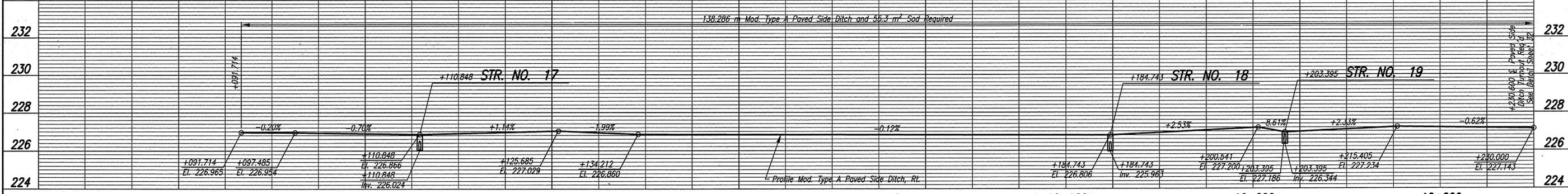
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LINE 'PR-K'



9+920 9+940 9+960 9+980 10+000 10+020 10+040 10+060

LINE 'PR-K'



10+080 10+100 10+120 10+140 10+160 10+180 10+200 10+220

LINE 'PR-K'

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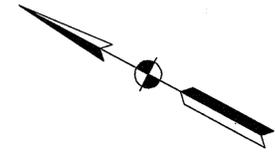
RECOMMENDED FOR APPROVAL *Michael A. Kimmel* 1/19/06
DESIGN ENGINEER DATE

DESIGNED: SCO DRAWN: JLM/CJS
CHECKED: MAK CHECKED: ERW

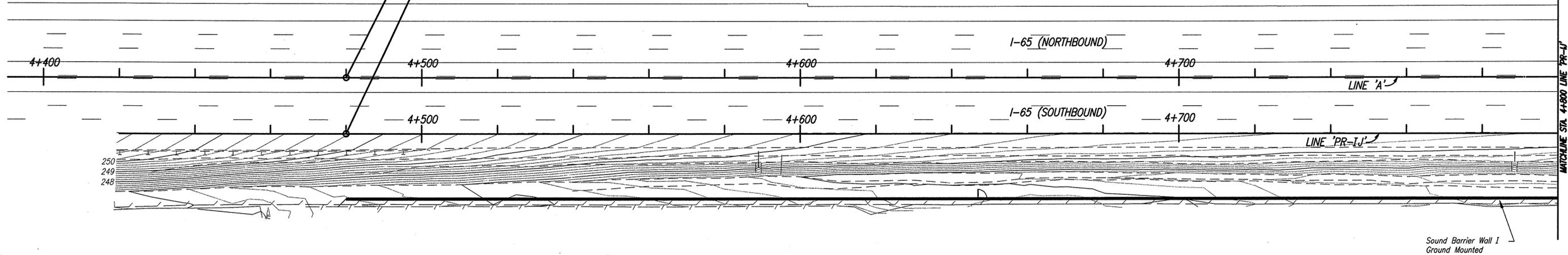
INDIANA DEPARTMENT OF TRANSPORTATION

I-65 SOUND BARRIER WALL
WALL K - PAVED SIDE DITCH PROFILE

HORIZONTAL SCALE 1:200	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 0300429
SURVEY BOOK ELECTRONIC	SHEETS 19 of 101
CONTRACT R-28085	PROJECT IM-065-3(306)

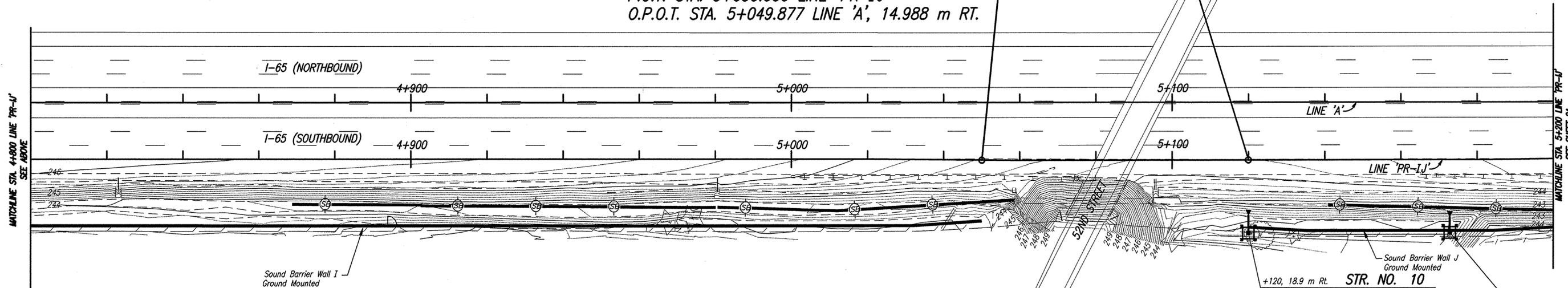


BEGIN PROJECT
 P.O.B. STA. 4+480.000 LINE 'A'
BEGIN WALL 'I' CONSTRUCTION
 P.O.T. STA. 4+480.000 LINE 'PR-IJ' =
 O.P.O.T. STA. 4+480.000 LINE 'A', 14.755 m RT.



BEGIN WALL 'J' CONSTRUCTION
 P.O.T. STA. 5+120.000 LINE 'PR-IJ' =
 O.P.O.T. STA. 5+120.000 LINE 'A', 15.053 m RT.

END WALL 'I' CONSTRUCTION
 P.O.T. STA. 5+050.000 LINE 'PR-IJ' =
 O.P.O.T. STA. 5+049.877 LINE 'A', 14.988 m RT.



LEGEND

- Temporary Ditch Inlet Protection, Geotextile Box
(See Standard Drawing 205-TEC-02)
- ⊖ Temporary Erosion Control, Perimeter Protection (Silt Fence)
(See Standard Drawing 205-TECP-01)
- ⊖ Temporary Check Dam, Revetment Riprap
(See Standard Drawing 205-TECD-01)
- ⊖ Temporary Check Dam, Straw Bale
(See Standard Drawing 205-TECD-02)

+120, 18.9 m Rt. **STR. NO. 10**
 See Sheet No. 6

+172.834, 18.8 m Rt. **STR. NO. 11**
 See Sheet No. 6

Date: Jan 18, 2006, 7:51 am User: dlz.ctd\dlz File: M:\proj\0461\2533\bridge.dwg Notes: Wall's I&J to Cold Springs\2533NWE001.dwg



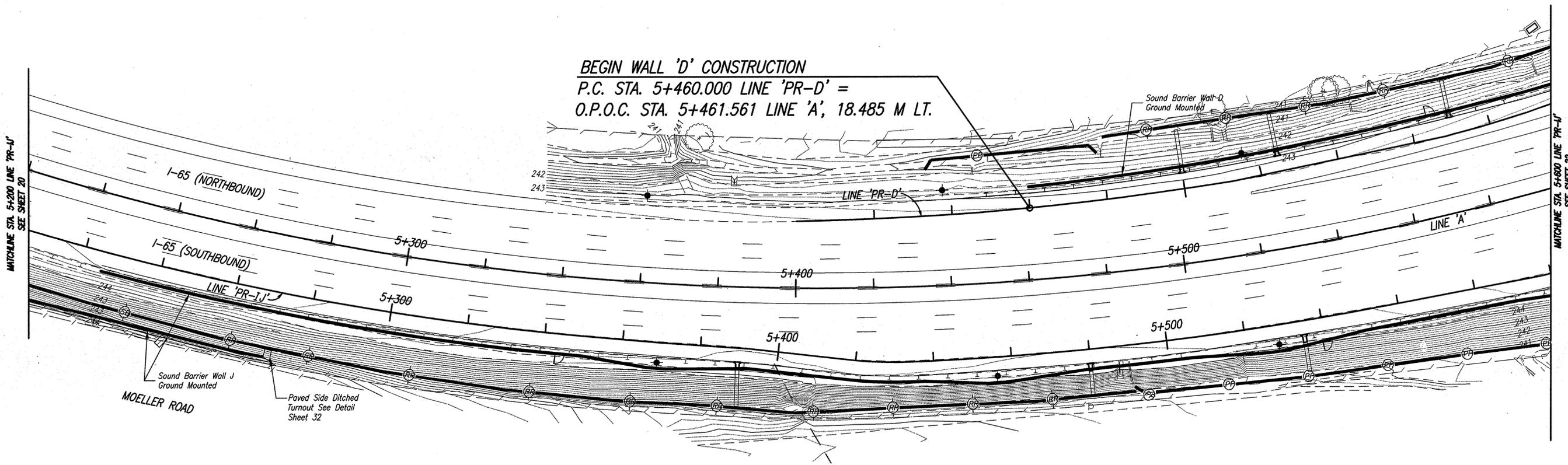
RECOMMENDED FOR APPROVAL	<i>B. K. Arterberry</i>	1/19/06
DESIGNED:	SCO	DATE
DRAWN:	JLM/CJS	
CHECKED:	BKA	
	MDD	

INDIANA DEPARTMENT OF TRANSPORTATION

I-65 SOUND BARRIER WALL EROSION CONTROL PLAN

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	0300429
SURVEY BOOK	SHEETS
ELECTRONIC	20 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)

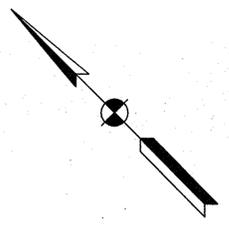
BEGIN WALL 'D' CONSTRUCTION
 P.C. STA. 5+460.000 LINE 'PR-D' =
 O.P.O.C. STA. 5+461.561 LINE 'A', 18.485 M LT.



LEGEND

- Temporary Ditch Inlet Protection, Geotextile Box
(See Standard Drawing 205-TEC1-02)
- Temporary Erosion Control, Perimeter Protection (Silt Fence)
(See Standard Drawing 205-TECP-01)
- Temporary Check Dam, Revetment Riprap
(See Standard Drawing 205-TECD-01)
- Temporary Check Dam, Straw Bale
(See Standard Drawing 205-TECD-02)

Date: Jan 19, 2006, 7:51 am User: ID: estumpf File: M:\proj\4461\2533\bridge\dwg\Noise Walls\I65 to Cold Springs\2533NWECD01.dwg



RECOMMENDED FOR APPROVAL	<i>B K Arterbery</i>	1/19/06	DATE
DESIGNED:	SCO	DRAWN:	JLM/CJS
CHECKED:	BKA	CHECKED:	MDD

INDIANA
DEPARTMENT OF TRANSPORTATION

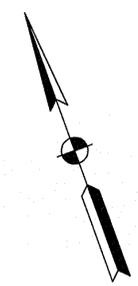
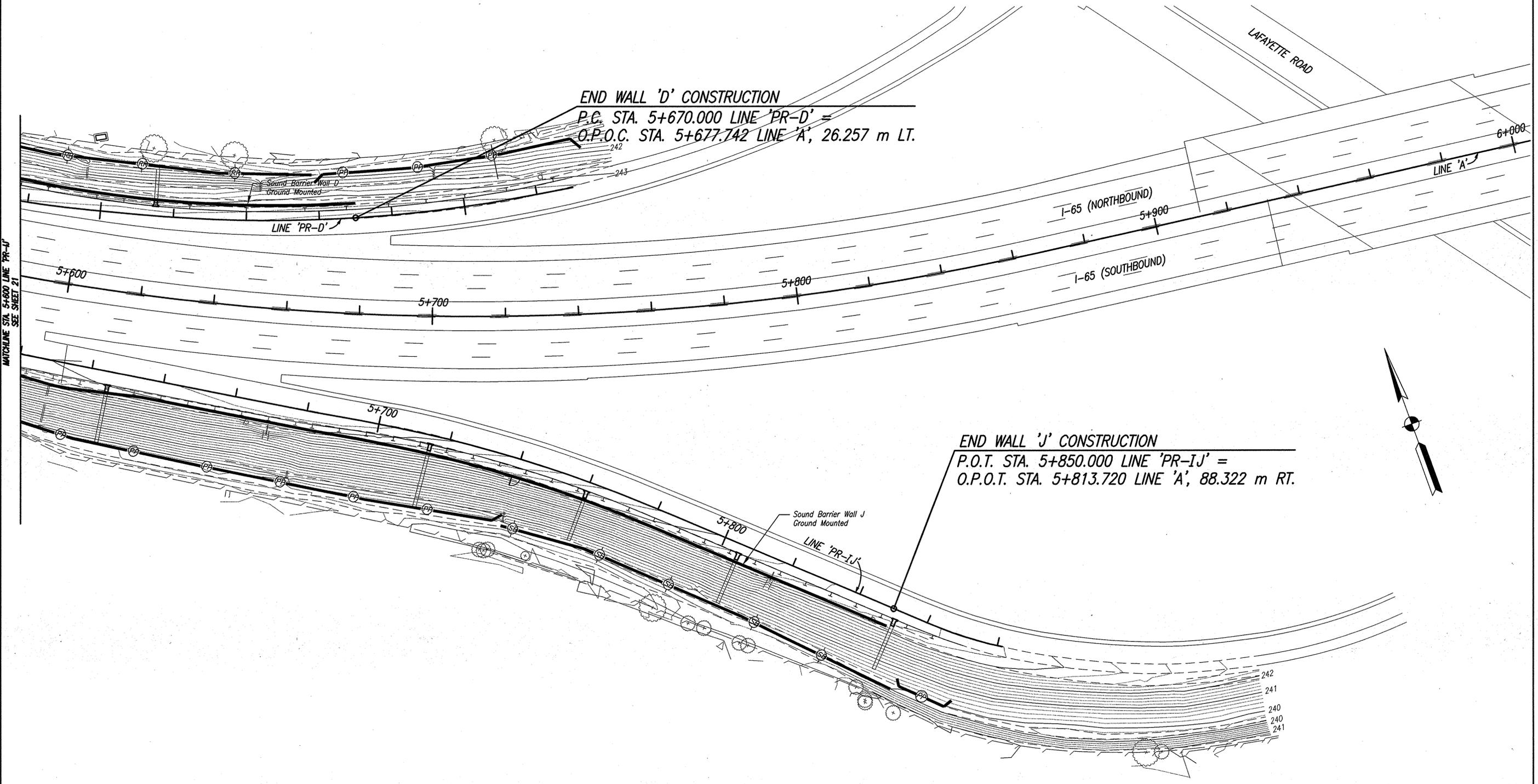
I-65 SOUND BARRIER WALL
 EROSION CONTROL PLAN

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	0300429
SURVEY BOOK	SHEETS
ELECTRONIC	21 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)

MATCHLINE STA. 5+600 LINE 'PR-IJ' SEE SHEET 21

END WALL 'D' CONSTRUCTION
P.C. STA. 5+670.000 LINE 'PR-D' =
O.P.O.C. STA. 5+677.742 LINE 'A', 26.257 m LT.

END WALL 'J' CONSTRUCTION
P.O.T. STA. 5+850.000 LINE 'PR-IJ' =
O.P.O.T. STA. 5+813.720 LINE 'A', 88.322 m RT.



LEGEND

- Temporary Ditch Inlet Protection, Geotextile Box
(See Standard Drawing 205-TEC1-02)
- Temporary Erosion Control, Perimeter Protection (Silt Fence)
(See Standard Drawing 205-TECP-01)
- Temporary Check Dam, Revetment Riprap
(See Standard Drawing 205-TECD-01)
- Temporary Check Dam, Straw Bale
(See Standard Drawing 205-TECD-02)

Date: Jan 19, 2006, 7:53 am User ID: calumpf
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RECOMMENDED FOR APPROVAL	<i>B. K. Arterberry</i>	1/19/06
DESIGNED:	SCO	DRAWN: JLM/CJS
CHECKED:	BKA	CHECKED: MDD

INDIANA
DEPARTMENT OF TRANSPORTATION

I-65 SOUND BARRIER WALL
EROSION CONTROL PLAN

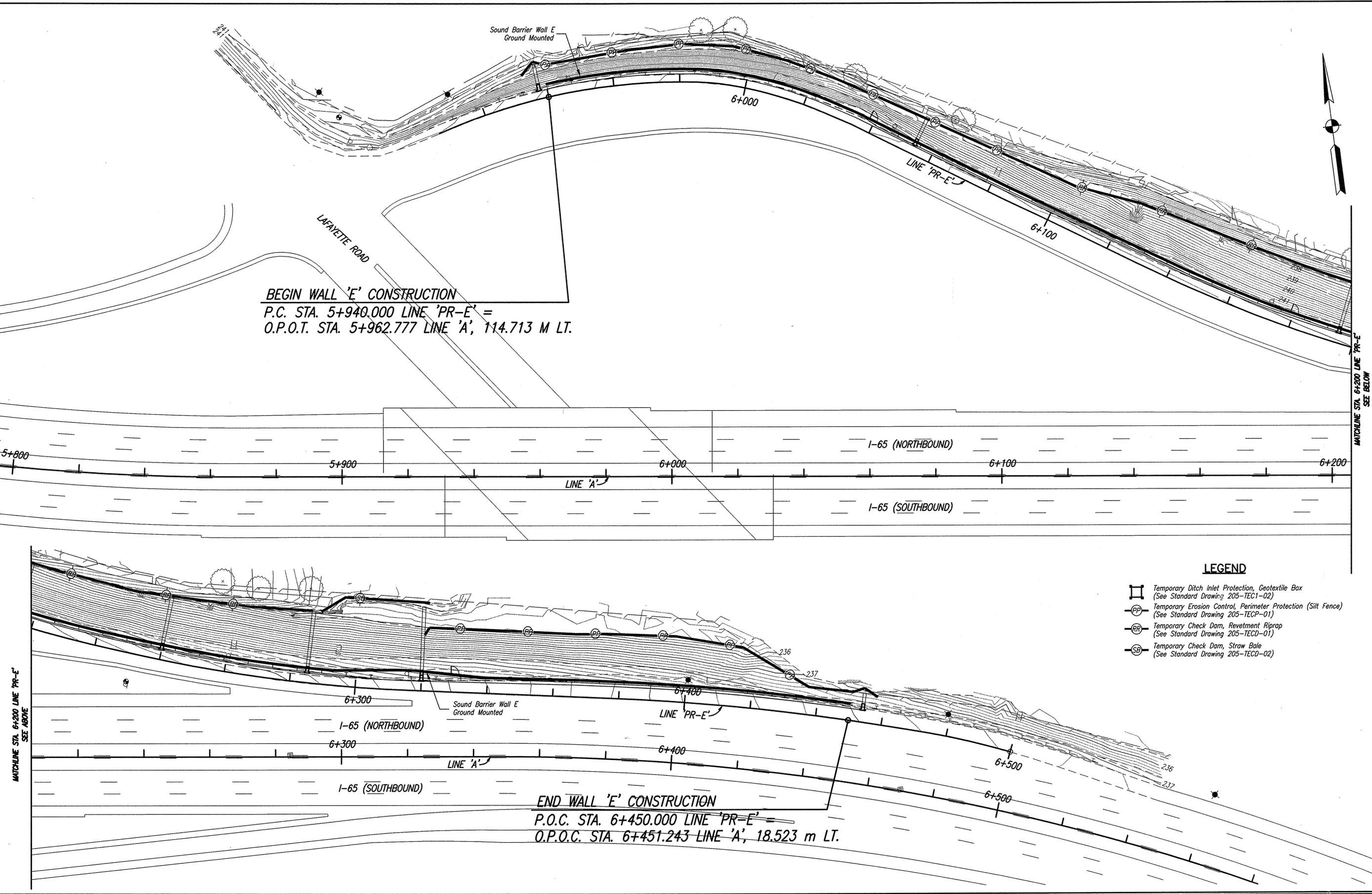
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1:500	
VERTICAL SCALE	DESIGNATION
1:100	0300429
SURVEY BOOK	SHEETS
ELECTRONIC	22 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)

BEGIN WALL 'E' CONSTRUCTION
 P.C. STA. 5+940.000 LINE 'PR-E' =
 O.P.O.T. STA. 5+962.777 LINE 'A', 114.713 M LT.

END WALL 'E' CONSTRUCTION
 P.O.C. STA. 6+450.000 LINE 'PR-E' =
 O.P.O.C. STA. 6+451.243 LINE 'A', 18.523 m LT.

- LEGEND**
- Temporary Ditch Inlet Protection, Geotextile Box
(See Standard Drawing 205-TEC1-02)
 - PP Temporary Erosion Control, Perimeter Protection (Silt Fence)
(See Standard Drawing 205-TECP-01)
 - RR Temporary Check Dam, Revetment Riprap
(See Standard Drawing 205-TECD-01)
 - SB Temporary Check Dam, Straw Bale
(See Standard Drawing 205-TECD-02)

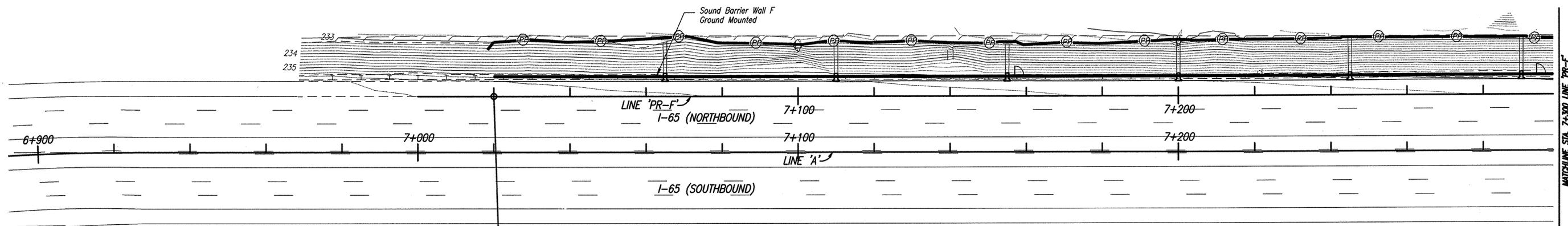
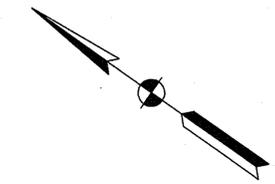
Date: Jan 19, 2006, 7:51:41 AM User: ID: cshumfry
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RECOMMENDED FOR APPROVAL	<i>B. K. Arterbery</i>	1/19/06
DESIGNED:	SCO	DRAWN: JLM/CJS
CHECKED:	BKA	CHECKED: MDD

INDIANA
DEPARTMENT OF TRANSPORTATION
 I-65 SOUND BARRIER WALL
 EROSION CONTROL PLAN

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	0300429
SURVEY BOOK	SHEETS
ELECTRONIC	23 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)

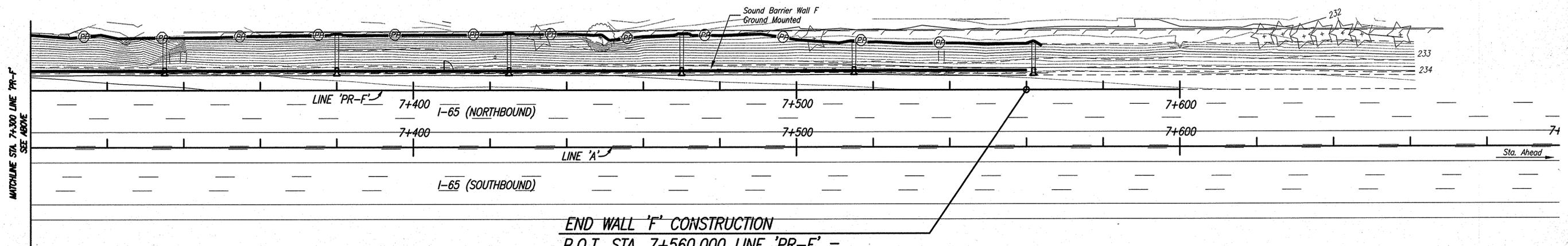


MATCHLINE STA. 7+300 LINE 'PR-F' SEE BELOW

GEORGETOWN ROAD

BEGIN WALL 'F' CONSTRUCTION
 P.O.T. STA. 7+020.000 LINE 'PR-F' =
 O.P.O.T. STA. 7+020.000 LINE 'A', 14.755 m LT.

- LEGEND**
-  Temporary Ditch Inlet Protection, Geotextile Box
(See Standard Drawing 205-TEC1-02)
 -  Temporary Erosion Control, Perimeter Protection (Silt Fence)
(See Standard Drawing 205-TECP-01)
 -  Temporary Check Dam, Revetment Riprap
(See Standard Drawing 205-TECD-01)
 -  Temporary Check Dam, Straw Bale
(See Standard Drawing 205-TECD-02)



MATCHLINE STA. 7+300 LINE 'PR-F' SEE ABOVE

END WALL 'F' CONSTRUCTION
 P.O.T. STA. 7+560.000 LINE 'PR-F' =
 O.P.O.T. STA. 7+560.000 LINE 'A', 14.755 m LT.

Date: Jan 19, 2006, 7:55 am User: ID: calumpaf
 File: M:\proj\0461\2632\bridge\cheg\Noise Walls\65 to Cold Springs\2632NWE03.dwg

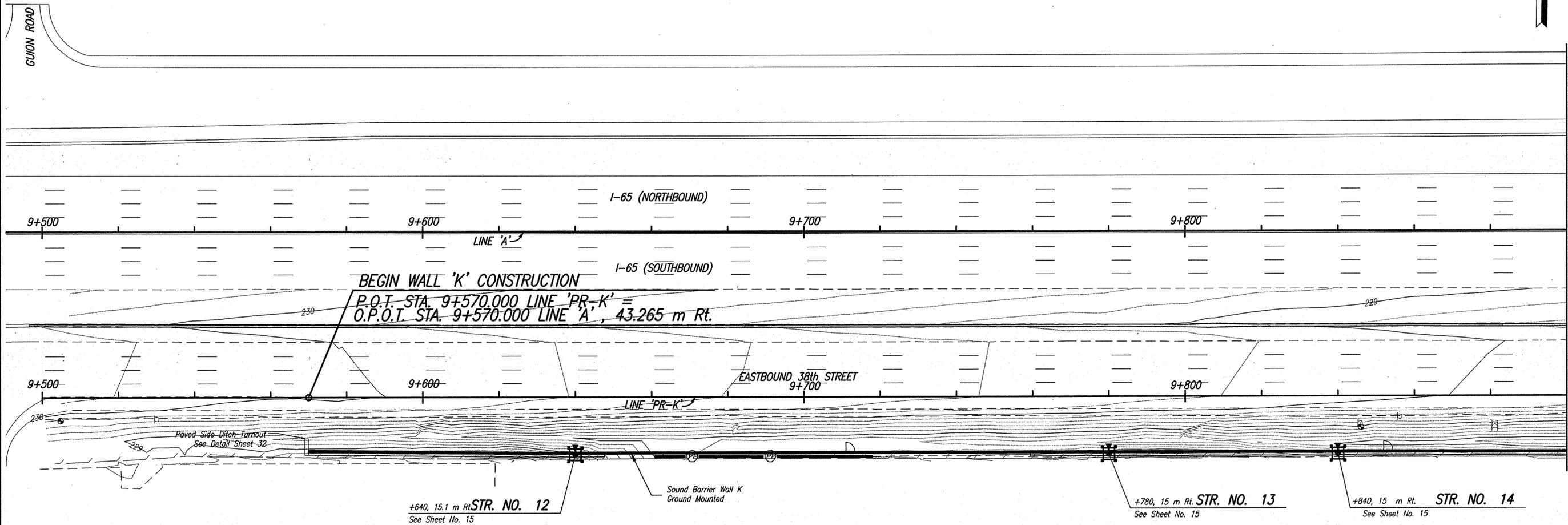


RECOMMENDED FOR APPROVAL	<i>B. K. Arterberry</i> 1/19/06 DESIGN ENGINEER DATE	
DESIGNED:	SCO	DRAWN: JLM/CJS
CHECKED:	BKA	CHECKED: MDD

INDIANA DEPARTMENT OF TRANSPORTATION

**I-65 SOUND BARRIER WALL
EROSION CONTROL PLAN**

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	0300429
SURVEY BOOK	SHEETS
ELECTRONIC	24 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)



MATCHLINE STA. 9+800 LINE 'PR-K' SEE SHEET 26

LEGEND

-  Temporary Ditch Inlet Protection, Geotextile Box
(See Standard Drawing 205-TEC1-02)
-  Temporary Erosion Control, Perimeter Protection (Silt Fence)
(See Standard Drawing 205-TECP-01)
-  Temporary Check Dam, Revetment Riprap
(See Standard Drawing 205-TECD-01)
-  Temporary Check Dam, Straw Bale
(See Standard Drawing 205-TECD-02)

Date: Jan 19, 2006, 7:52am User ID: estumpf File: M:\proj\0461\2532\bridge\dwg\Noise Wall\I65 to Cold Springs\2532NWECD04.dwg



RECOMMENDED FOR APPROVAL	<i>B.K. Atty</i> 1/19/06 DESIGN ENGINEER DATE	
DESIGNED:	SCO	DRAWN: JLM/CJS
CHECKED:	BKA	CHECKED: MDD

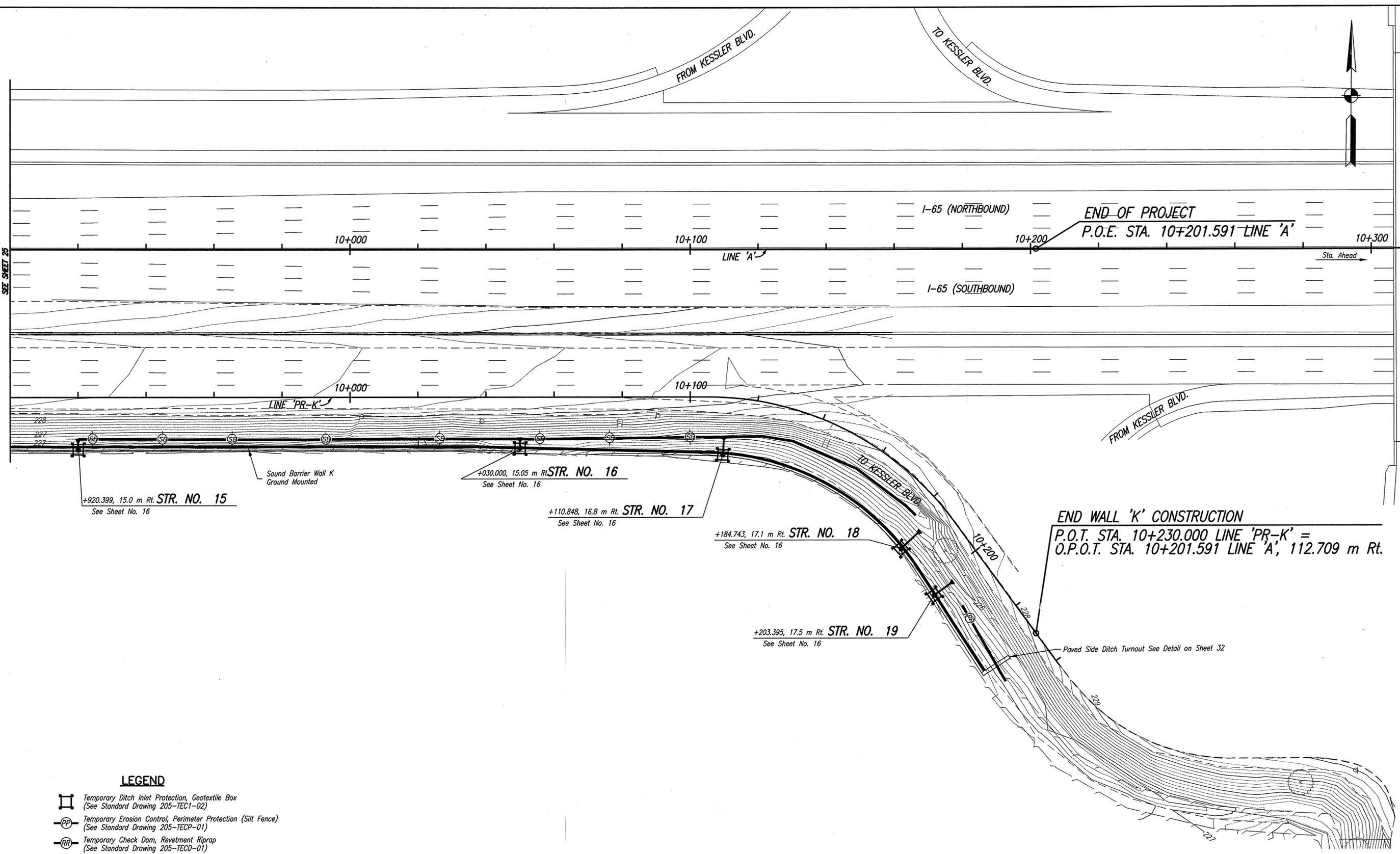
INDIANA DEPARTMENT OF TRANSPORTATION

I-65 SOUND BARRIER WALL EROSION CONTROL PLAN

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	0300429
SURVEY BOOK	SHEETS
ELECTRONIC	25 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)

Date: Jan 19, 2006, 7:52am User: ID: cslumpf
 File: M:\proj\0461\2532\bridge.dwg Noise Wall\I65 to Cold Springs\2532NWECD4.dwg

MATCHLINE STA. 9+900 LINE 'PR-K'
 SEE SHEET 25



LEGEND

- 
 Temporary Ditch Inlet Protection, Geotextile Box
 (See Standard Drawing 205-TECI-02)
- 
 Temporary Erosion Control, Perimeter Protection (Silt Fence)
 (See Standard Drawing 205-TECP-01)
- 
 Temporary Check Dam, Revetment Riprap
 (See Standard Drawing 205-TECD-01)
- 
 Temporary Check Dam, Straw Bale
 (See Standard Drawing 205-TECD-02)



RECOMMENDED FOR APPROVAL	<i>B. K. Arterberry</i> 1/19/06	
DESIGNED:	SCO	DRAWN: JLM/CJS
CHECKED:	BKA	CHECKED: MDD

INDIANA DEPARTMENT OF TRANSPORTATION

I-65 SOUND BARRIER WALL EROSION CONTROL PLAN

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	0300429
SURVEY BOOK	SHEETS
ELECTRONIC	26 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)

TEST BORING RECORD												
CLIENT : Indiana Department of Transportation		BORING NO. : NBW- 5		PROJECT : I-65 Noise Barriers		SHEET : 1 OF 2		DATE STARTED : 05-26-05		DATE COMPLETED : 05-26-05		
LOCATION : From West 62nd Street to Cold Springs Road in Marion County		DESIGN NO. : 0300429, CTL Project No.: 05050003ND		BORING ELEVATION : 244.8 m (USC&GS)		BORING METHOD : HSA		HAMMER : Automatic		STATION : 5+422		
OFFSET : 3 m RI		RIG TYPE : CME 75 Truck		DRILLER : RC		CASE NO. : 85 mm I.D.		TEMPERATURE : 70° F		LINE : "FR"		
DEPTH : 9.14 m		CORE SIZE : ---		WEATHER : Sunny		GROUNDWATER : Encountered at 8.10 m		At Completion 8.40 m		24 hours Reading 4.47 m		
Covered In at 5.11 m												
Stratum Elevation	Sample Depth	SOIL/MATERIAL DESCRIPTION	Stratum Depth	Sample Number	SPT / 15cm	SPT / 30 cm (N)	Recovery (%)	Moisture Content (%)	Shrinkage (%)	Unit Weight (kg/m ³)	Unconfined Compression (kN/m ²)	Afterberg Limits
244.50	0.30	ASPHALT CONCRETE (305mm) (Visual)	0.30	38	38	40	100	12				LL PL PI
242.97	1.83	Brown, Slightly Moist, Hard to Medium SHIF, LOAM (Possible Fill) As Lab 2	1.83	11	11	100						LL PL PI
242.21	2.59	Grayish Brown, Slightly Moist, SHIF, CLAY with Traces of Roots A-7-6 (23) Lab 4	2.59	9	9	94						LL PL PI
240.68	4.11	Brownish Gray, Moist, Medium SHIF, LOAM (TILL) A-4 As Lab 2	4.11	14	14	89	24		47	20	27	LL PL PI
238.97	6.0	Brown and Gray changing to Gray, Moist to Slightly Moist, SHIF to Hard, LOAM (TILL) with Wet Sand & Gravel Seam in SS-8 As Lab 3	6.0	13	13	100	10	2205	102	15.0%		LL PL PI

TEST BORING RECORD												
CLIENT : Indiana Department of Transportation		BORING NO. : NBW- 5		PROJECT : I-65 Noise Barriers		SHEET : 2 OF 2		DATE STARTED : 05-26-05		DATE COMPLETED : 05-26-05		
LOCATION : From West 62nd Street to Cold Springs Road in Marion County		DESIGN NO. : 0300429, CTL Project No.: 05050003ND		BORING ELEVATION : 244.8 m (USC&GS)		BORING METHOD : HSA		HAMMER : Automatic		STATION : 5+422		
OFFSET : 3 m RI		RIG TYPE : CME 75 Truck		DRILLER : RC		CASE NO. : 85 mm I.D.		TEMPERATURE : 70° F		LINE : "FR"		
DEPTH : 9.14 m		CORE SIZE : ---		WEATHER : Sunny		GROUNDWATER : Encountered at 1.22 m		At Completion Dry		24 hours Reading Dry		
Covered In at 5.83 m												
Stratum Elevation	Sample Depth	SOIL/MATERIAL DESCRIPTION	Stratum Depth	Sample Number	SPT / 15cm	SPT / 30 cm (N)	Recovery (%)	Moisture Content (%)	Shrinkage (%)	Unit Weight (kg/m ³)	Unconfined Compression (kN/m ²)	Afterberg Limits
244.50	0.30	ASPHALT CONCRETE (305mm) (Visual)	0.30	38	38	40	100	12				LL PL PI
242.97	1.83	Brown, Slightly Moist, Hard to Medium SHIF, LOAM (Possible Fill) As Lab 2	1.83	11	11	100						LL PL PI
242.21	2.59	Grayish Brown, Slightly Moist, SHIF, CLAY with Traces of Roots A-7-6 (23) Lab 4	2.59	9	9	94						LL PL PI
240.68	4.11	Brownish Gray, Moist, Medium SHIF, LOAM (TILL) A-4 As Lab 2	4.11	14	14	89	24		47	20	27	LL PL PI
238.97	6.0	Brown and Gray changing to Gray, Moist to Slightly Moist, SHIF to Hard, LOAM (TILL) with Wet Sand & Gravel Seam in SS-8 As Lab 3	6.0	13	13	100	10	2205	102	15.0%		LL PL PI

TEST BORING RECORD												
CLIENT : Indiana Department of Transportation		BORING NO. : NBW- 6		PROJECT : I-65 Noise Barriers		SHEET : 1 OF 2		DATE STARTED : 06-14-05		DATE COMPLETED : 06-14-05		
LOCATION : From West 62nd Street to Cold Springs Road in Marion County		DESIGN NO. : 0300429, CTL Project No.: 05050003ND		BORING ELEVATION : 244.4 m (USC&GS)		BORING METHOD : HSA		HAMMER : Automatic		STATION : 5+450		
OFFSET : 4 m RI		RIG TYPE : CME 75 Truck		DRILLER : RC		CASE NO. : 85 mm I.D.		TEMPERATURE : 85° F		LINE : "FR"		
DEPTH : 9.14 m		CORE SIZE : ---		WEATHER : Sunny		GROUNDWATER : Encountered at 1.22 m		At Completion Dry		24 hours Reading Dry		
Covered In at 5.83 m												
Stratum Elevation	Sample Depth	SOIL/MATERIAL DESCRIPTION	Stratum Depth	Sample Number	SPT / 15cm	SPT / 30 cm (N)	Recovery (%)	Moisture Content (%)	Shrinkage (%)	Unit Weight (kg/m ³)	Unconfined Compression (kN/m ²)	Afterberg Limits
244.10	0.30	ASPHALT CONCRETE (305mm) (Visual)	0.30	28	28	42	83					LL PL PI
243.53	1.07	SAND & GRAVEL BASE (Visual)	1.07	12	12	72						LL PL PI
241.50	2.90	Brown and Gray changing to Brown, Slightly Moist, Medium SHIF to SHIF, LOAM (TILL) As Lab 2	2.90	13	13	83	9					LL PL PI
239.98	4.42	Gray and Brown, Moist, SHIF to Medium SHIF, CLAY with Traces of Organic Matter A-7-6 As Lab 4	4.42	6	6	18	17					LL PL PI
238.30	6.10	Brown, Slightly Moist, Medium SHIF to Very SHIF, LOAM (TILL) A-4 As Lab 2	6.10	11	11	100	13					LL PL PI

TEST BORING RECORD												
CLIENT : Indiana Department of Transportation		BORING NO. : NBW- 6		PROJECT : I-65 Noise Barriers		SHEET : 2 OF 2		DATE STARTED : 06-14-05		DATE COMPLETED : 06-14-05		
LOCATION : From West 62nd Street to Cold Springs Road in Marion County		DESIGN NO. : 0300429, CTL Project No.: 05050003ND		BORING ELEVATION : 244.4 m (USC&GS)		BORING METHOD : HSA		HAMMER : Automatic		STATION : 5+450		
OFFSET : 4 m RI		RIG TYPE : CME 75 Truck		DRILLER : RC		CASE NO. : 85 mm I.D.		TEMPERATURE : 85° F		LINE : "FR"		
DEPTH : 9.14 m		CORE SIZE : ---		WEATHER : Sunny		GROUNDWATER : Encountered at 1.22 m		At Completion Dry		24 hours Reading Dry		
Covered In at 5.83 m												
Stratum Elevation	Sample Depth	SOIL/MATERIAL DESCRIPTION	Stratum Depth	Sample Number	SPT / 15cm	SPT / 30 cm (N)	Recovery (%)	Moisture Content (%)	Shrinkage (%)	Unit Weight (kg/m ³)	Unconfined Compression (kN/m ²)	Afterberg Limits
244.10	0.30	ASPHALT CONCRETE (305mm) (Visual)	0.30	28	28	42	83					LL PL PI
243.53	1.07	SAND & GRAVEL BASE (Visual)	1.07	12	12	72						LL PL PI
241.50	2.90	Brown and Gray changing to Brown, Slightly Moist, Medium SHIF to SHIF, LOAM (TILL) As Lab 2	2.90	13	13	83	9					LL PL PI
239.98	4.42	Gray and Brown, Moist, SHIF to Medium SHIF, CLAY with Traces of Organic Matter A-7-6 As Lab 4	4.42	6	6	18	17					LL PL PI
238.30	6.10	Brown, Slightly Moist, Medium SHIF to Very SHIF, LOAM (TILL) A-4 As Lab 2	6.10	11	11	100	13					LL PL PI

TEST BORING RECORD												
CLIENT : Indiana Department of Transportation		BORING NO. : NBW- 7		PROJECT : I-65 Noise Barriers		SHEET : 1 OF 2		DATE STARTED : 06-14-05		DATE COMPLETED : 06-14-05		
LOCATION : From West 62nd Street to Cold Springs Road in Marion County		DESIGN NO. : 0300429, CTL Project No.: 05050003ND		BORING ELEVATION : 245.0 m (USC&GS)		BORING METHOD : HSA		HAMMER : Automatic		STATION : 5+460		
OFFSET : 4 m RI		RIG TYPE : CME 75 Truck		DRILLER : RC		CASE NO. : 85 mm I.D.		TEMPERATURE : 85° F		LINE : "FR"		
DEPTH : 9.14 m		CORE SIZE : ---		WEATHER : Sunny		GROUNDWATER : Encountered at Dry		At Completion Dry		24 hours Reading Dry		
Covered In at 4.01 m												
Stratum Elevation	Sample Depth	SOIL/MATERIAL DESCRIPTION	Stratum Depth	Sample Number	SPT / 15cm	SPT / 30 cm (N)	Recovery (%)	Moisture Content (%)	Shrinkage (%)	Unit Weight (kg/m ³)	Unconfined Compression (kN/m ²)	Afterberg Limits
244.70	0.30	ASPHALT CONCRETE (305mm) (Visual)	0.30	16	16	22	100					LL PL PI
244.09	0.91	SAND & GRAVEL BASE (Visual)	0.91	9	9	78	7					LL PL PI
242.52	1.68	Gray, Slightly Moist to Moist, SHIF, LOAM with Sand & Gravel Layer (Fill) As Lab 3	1.68	13	13	89						LL PL PI
241.65	3.05	Gray and Grayish Brown, Slightly Moist, SHIF to Very SHIF, LOAM with Traces of Wood Fragments (Fill to POSSIBLE FILL) As Lab 3	3.05	11	11	72	11					LL PL PI
240.58	4.42	Brown, Slightly Moist, SHIF, LOAM A-4 As Lab 2	4.42	8	8	19	67					LL PL PI
239.87	5.03	Gray, Moist, SHIF, CLAY (TILL) A-7-6 As Lab 4	5.03	7	7	13	22					LL PL PI
238.97	6.0	Brown changing to Gray, Slightly Moist, Medium SHIF to Very SHIF, LOAM (TILL) As Lab 3	6.0	4	4	10	20					LL PL PI

TEST BORING RECORD												
CLIENT : Indiana Department of Transportation		BORING NO. : NBW- 7		PROJECT : I-65 Noise Barriers		SHEET : 2 OF 2		DATE STARTED : 06-14-05		DATE COMPLETED : 06-14-05		
LOCATION : From West 62nd Street to Cold Springs Road in Marion County		DESIGN NO. : 0300429, CTL Project No.: 05050003ND		BORING ELEVATION : 245.0 m (USC&GS)		BORING METHOD : HSA		HAMMER : Automatic		STATION : 5+460		
OFFSET : 4 m RI		RIG TYPE : CME 75 Truck		DRILLER : RC		CASE NO. : 85 mm I.D.		TEMPERATURE : 85° F		LINE : "FR"		
DEPTH : 9.14 m		CORE SIZE : ---		WEATHER : Sunny		GROUNDWATER : Encountered at 5.84 m		At Completion 8.88 m		24 hours Reading 5.05 m		
Covered In at 8.63 m												
Stratum Elevation	Sample Depth	SOIL/MATERIAL DESCRIPTION	Stratum Depth	Sample Number	SPT / 15cm	SPT / 30 cm (N)	Recovery (%)	Moisture Content (%)	Shrinkage (%)	Unit Weight (kg/m ³)	Unconfined Compression (kN/m ²)	Afterberg Limits
244.70	0.30	ASPHALT CONCRETE (305mm) (Visual)	0.30	16	16	22	100					LL PL PI
244.09	0.91	SAND & GRAVEL BASE (Visual)	0.91	9	9	78	7					LL PL PI
242.52	1.68	Gray, Slightly Moist to Moist, SHIF, LOAM with Sand & Gravel Layer (Fill) As Lab 3	1.68	13	13	89						LL PL PI
241.65	3.05	Gray and Grayish Brown, Slightly Moist, SHIF to Very SHIF, LOAM with Traces of Wood Fragments (Fill to POSSIBLE FILL) As Lab 3	3.05	11	11	72	11					LL PL PI
240.58	4.42	Brown, Slightly Moist, SHIF, LOAM A-4 As Lab 2	4.42	8	8	19	67					LL PL PI
239.87	5.03	Gray, Moist, SHIF, CLAY (TILL) A-7-6 As Lab 4	5.03	7	7	13	22					LL PL PI

TEST BORING RECORD												
CLIENT : Indiana Department of Transportation		BORING NO. : NBW- 8		PROJECT : I-65 Noise Barriers		SHEET : 1 OF 2		DATE STARTED : 05-17-05		DATE COMPLETED : 05-17-05		
LOCATION : From West 62nd Street to Cold Springs Road in Marion County		DESIGN NO. : 0300429, CTL Project No.: 05050003ND		BORING ELEVATION : 243.2 m (USC&GS)		BORING METHOD : HSA		HAMMER : Automatic		STATION : 5+450		
OFFSET : 5 m RI		RIG TYPE : CME 75 Truck		DRILLER : RC		CASE NO. : 85 mm I.D.		TEMPERATURE : 65° F		LINE : "FR"		
DEPTH : 9.14 m		CORE SIZE : ---		WEATHER : Sunny		GROUNDWATER : Encountered at 5.84 m		At Completion 8.88 m		24 hours Reading 5.05 m		
Covered In at 8.63 m												
Stratum Elevation	Sample Depth	SOIL/MATERIAL DESCRIPTION	Stratum Depth	Sample Number	SPT / 15cm	SPT / 30 cm (N)	Recovery (%)	Moisture Content (%)	Shrinkage (%)	Unit Weight (kg/m ³)	Unconfined Compression (kN/m ²)	Afterberg Limits
242.90	0.30	Black and Gray, CLAY (Visual)	0.30	5	5	7	17					LL PL PI
242.44	0.76	Brown and Gray, Slightly Moist, Medium SHIF, CLAY with Traces of Roots (Fill) A-7-6 As Lab 4	0.76	11	11	26	100					LL PL PI
241.3	1.8	Brown and Gray, Slightly Moist, Very SHIF, LOAM (TILL) A-4 As Lab 3	1.8	18	18	25	78	22				LL PL PI
240.61	2.59	Brown with Gray Streaks, Moist, Soft, CLAY A-4 As Lab 4	2.59	1	1	4	89					LL PL PI
239.09	4.11	Brown, Slightly Moist to Moist, Soft to Very SHIF, LOAM (TILL) A-4 As Lab 2	4.11	3	3	5	33	11				LL PL PI

TEST BORING RECORD												
CLIENT : Indiana Department of Transportation		BORING NO. : NBW- 8		PROJECT : I-65 Noise Barriers		SHEET : 2 OF 2		DATE STARTED : 05-17-05		DATE COMPLETED : 05-17-05		
LOCATION : From West 62nd Street to Cold Springs Road in Marion County		DESIGN NO. : 0300429, CTL Project No.: 05050003ND		BORING ELEVATION : 243.2 m (USC&GS)		BORING METHOD : HSA		HAMMER : Automatic		STATION : 5+450		
OFFSET : 5 m RI		RIG TYPE : CME 75 Truck		DRILLER : RC		CASE NO. : 85 mm I.D.		TEMPERATURE : 65° F		LINE : "FR"		
DEPTH : 9.14 m		CORE SIZE : ---		WEATHER : Sunny		GROUNDWATER : Encountered at 5.84 m		At Completion 8.88 m		24 hours Reading 5.05 m		
Covered In at 8.63 m												
Stratum Elevation	Sample Depth	SOIL/MATERIAL DESCRIPTION	Stratum Depth	Sample Number	SPT / 15cm	SPT / 30 cm (N)	Recovery (%)	Moisture Content (%)	Shrinkage (%)	Unit Weight (kg/m ³)	Unconfined Compression (kN/m ²)	Afterberg Limits
238.04	7.16	Brown, Slightly Moist to Moist, Soft to Very SHIF, LOAM (TILL) A-4 As Lab 2	7.16	13	13	45	89	9	2205	588	10.4%	LL PL PI
234.51	8.69	Gray, Wet, Hard, LOAM (TILL) A-4 As Lab 3	8.69	27	27							LL PL PI
234.06	9.14	Gray, Wet, Medium Dense, SAND & GRAVEL (Visual)	9.14	5	5	18	100					LL PL PI

Date: Apr 19, 2006 7:52:27 AM User: ID: cslumpf File: M:\proj\0461\2433\bridge\voice\haha\res to cold springs\2433\NBW801.dwg



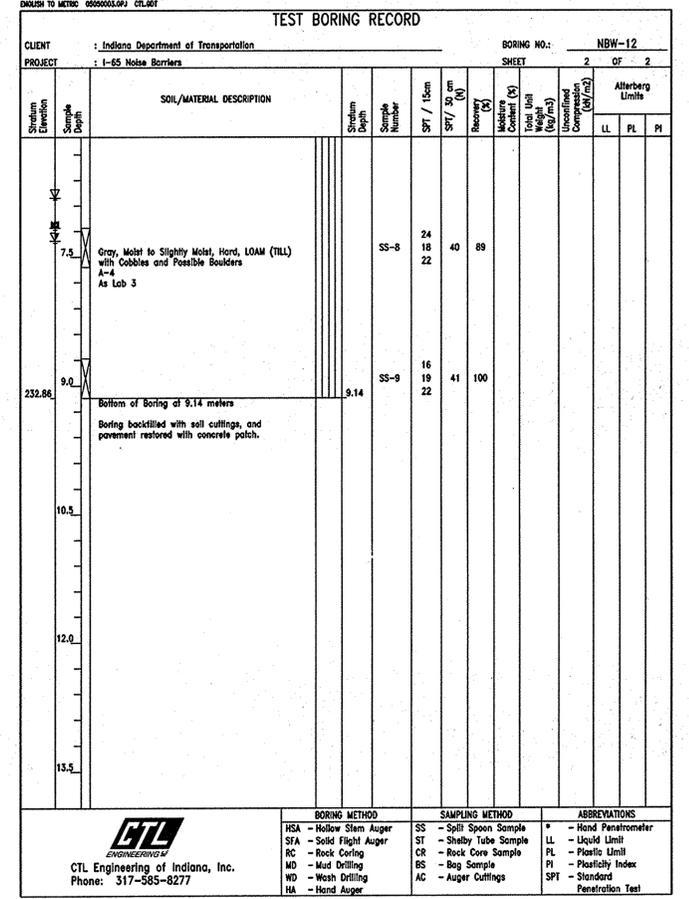
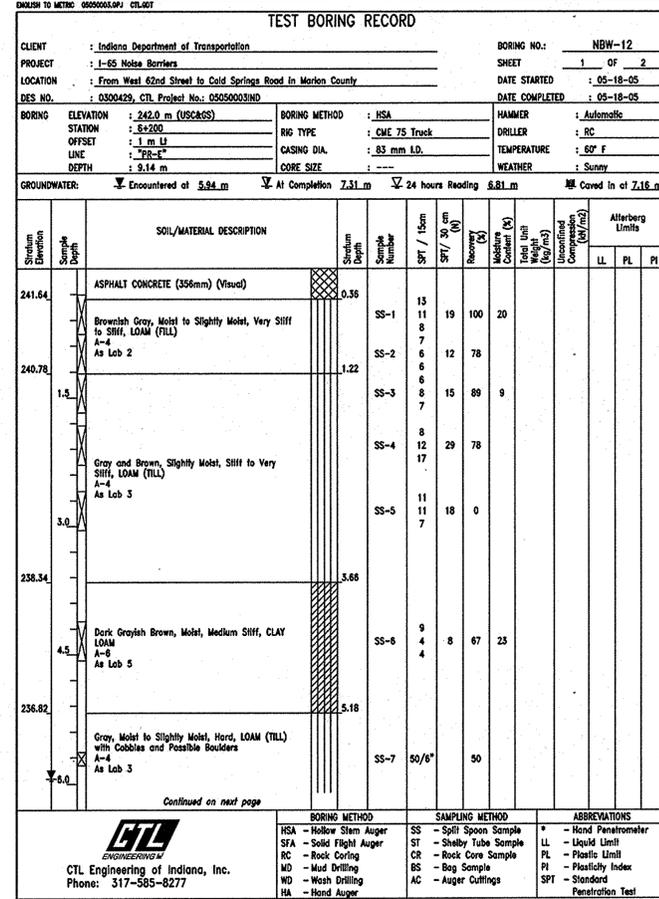
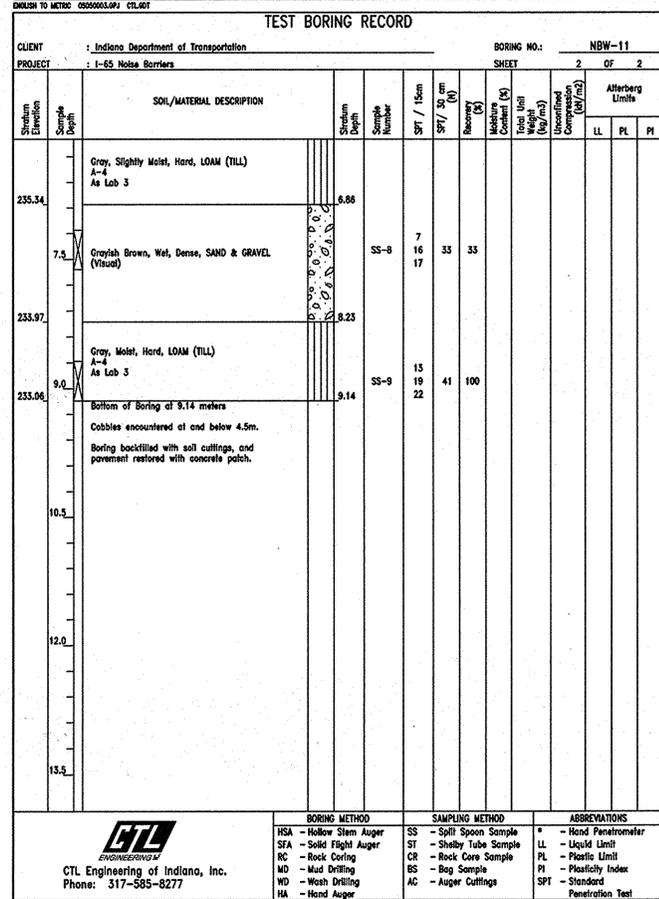
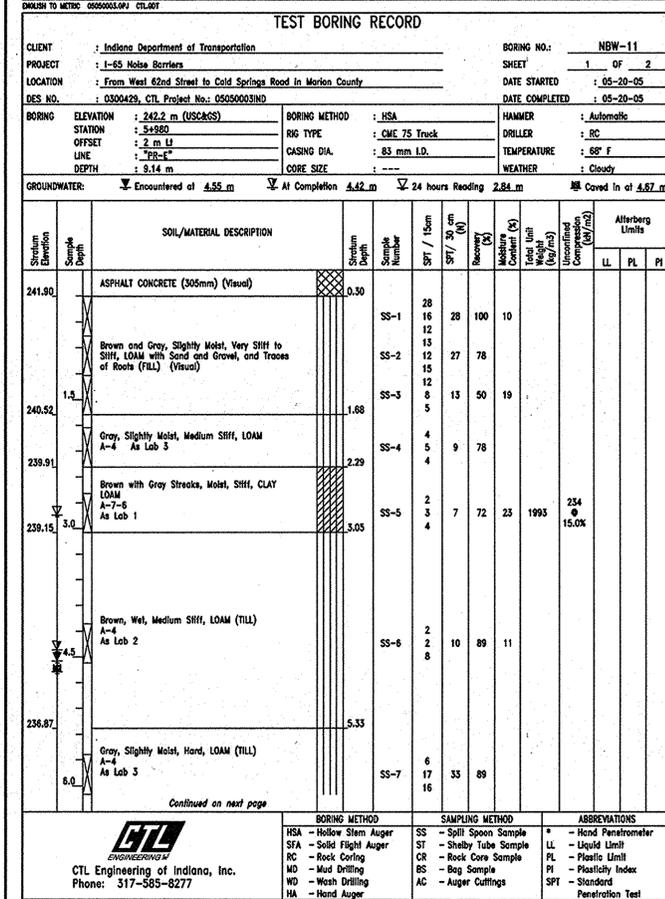
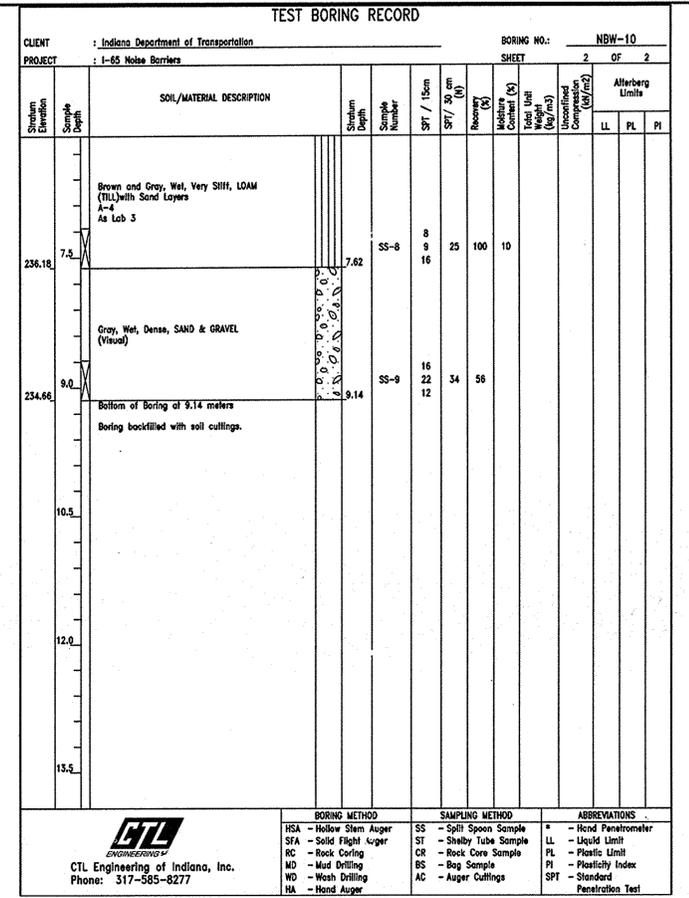
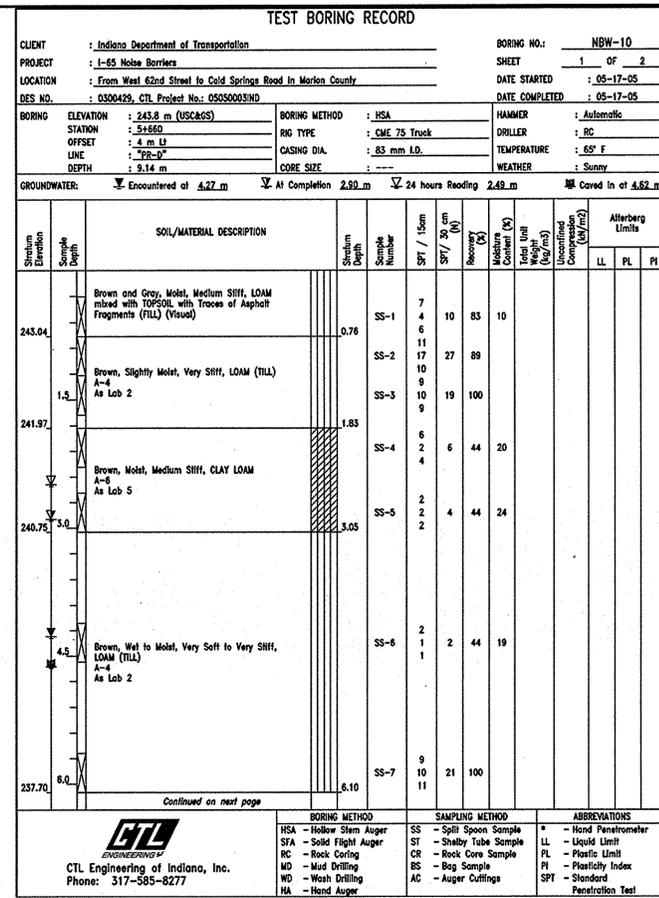
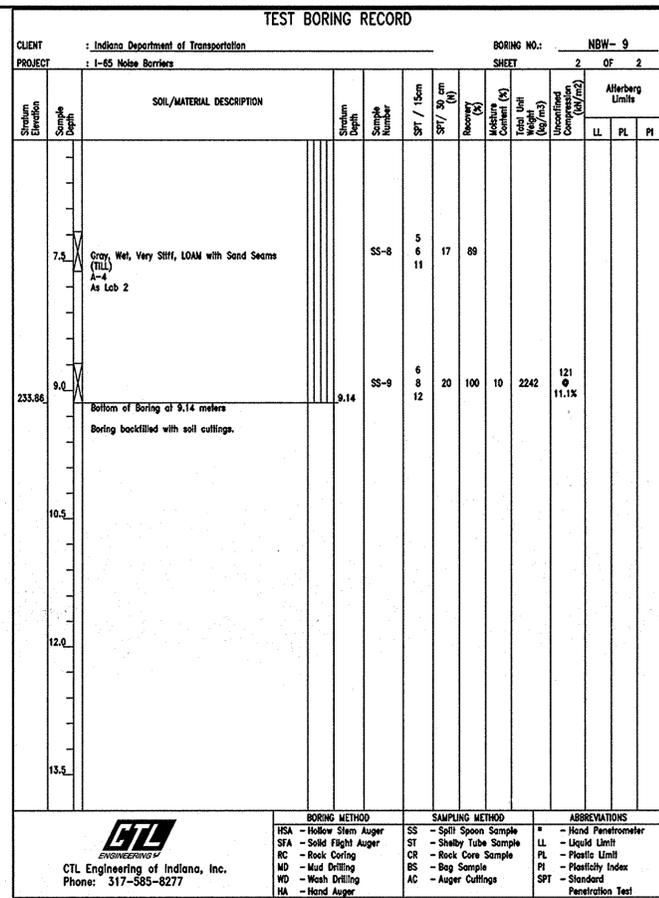
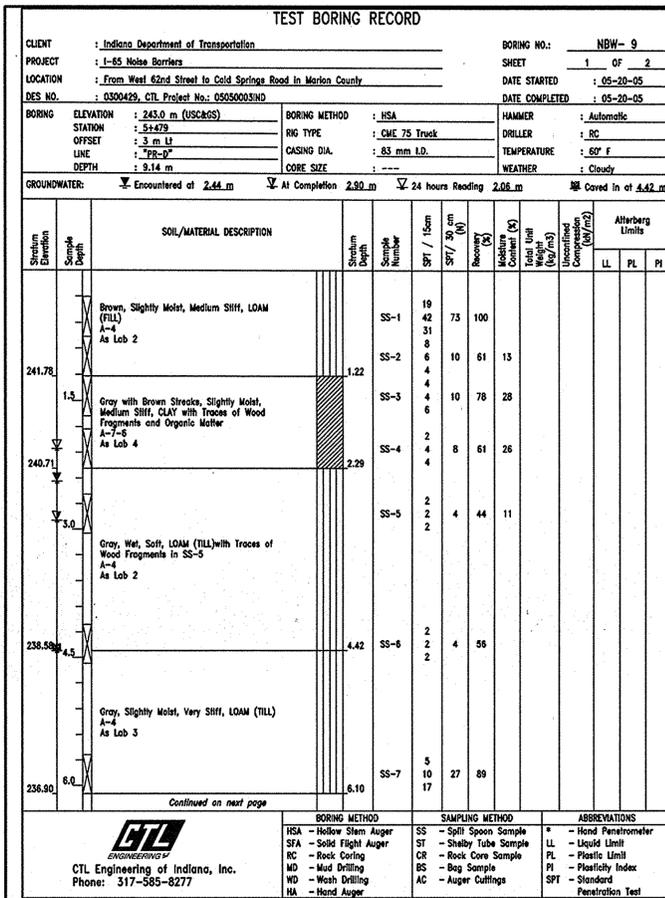
RECOMMENDED FOR APPROVAL *Michael A. Kimmitt* 1/19/06
DESIGN ENGINEER DATE

DESIGNED: PT DRAWN: JLM/CJS
CHECKED: MAK CHECKED: PT

INDIANA DEPARTMENT OF TRANSPORTATION

I-65 SOUND BARRIER WALL SOIL BORINGS

HORIZONTAL SCALE	BRIDGE FILE
Not to Scale	DESIGNATION
VERTICAL SCALE	0300429
Not to Scale	SURVEY BOOK
ELECTRONIC	28 of 101 SHEETS
CONTRACT	PROJECT
R-28085	IM-065-3(306)



Date: Jan 19, 2006, 7:52am User: ID: estumpf
File: M:\proj\0461\2533\bridge\Noise Walls\65 to Cold Springs\2533NWSB01.dwg



RECOMMENDED FOR APPROVAL
Michael A. Kummeth 1/19/06
DESIGN ENGINEER DATE

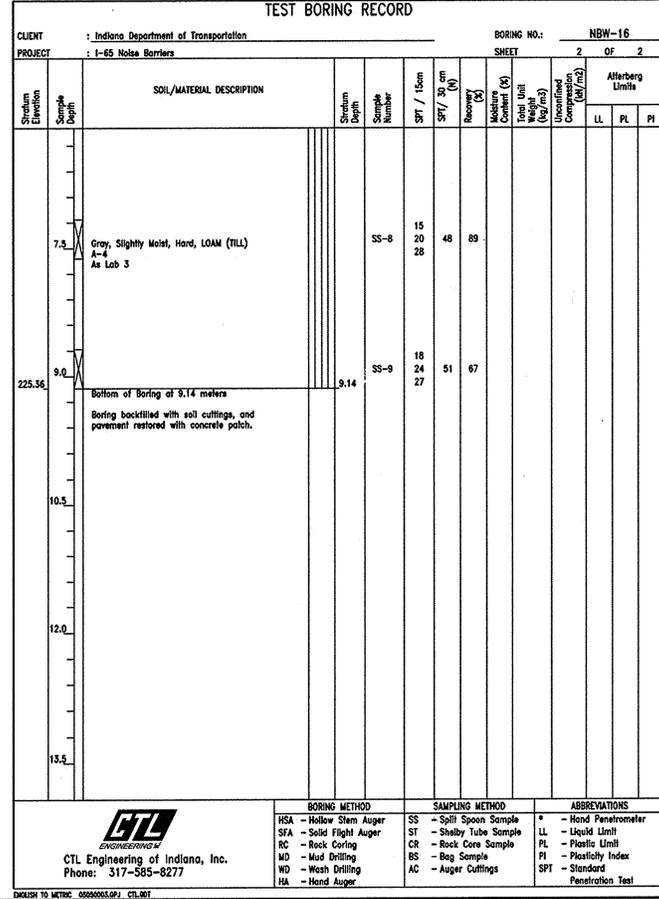
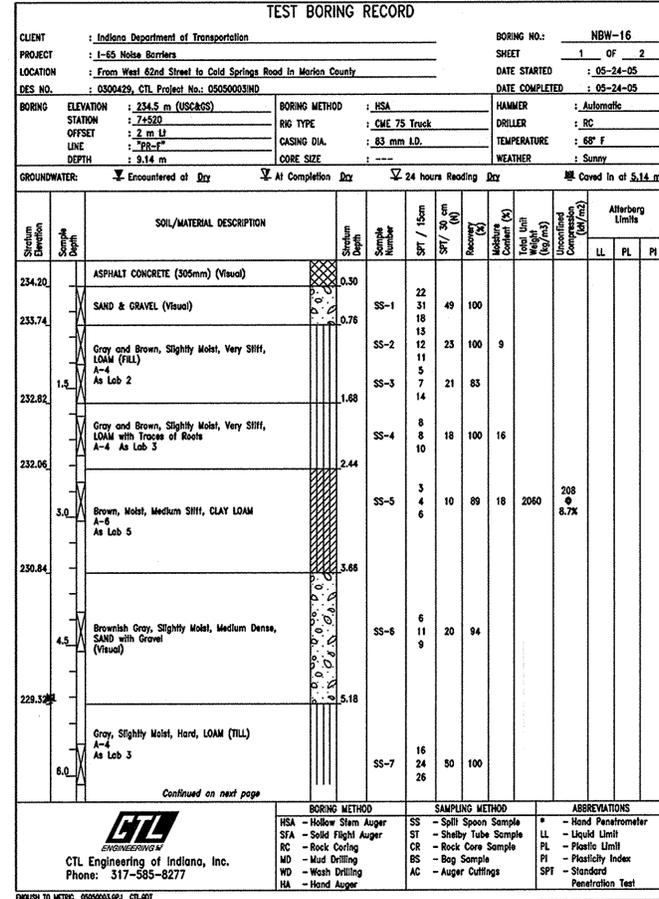
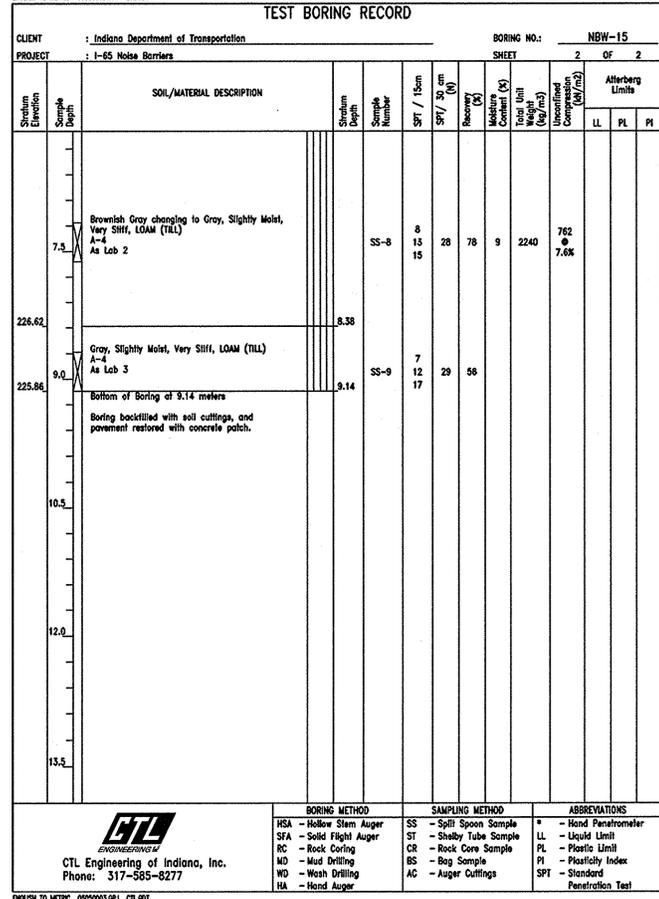
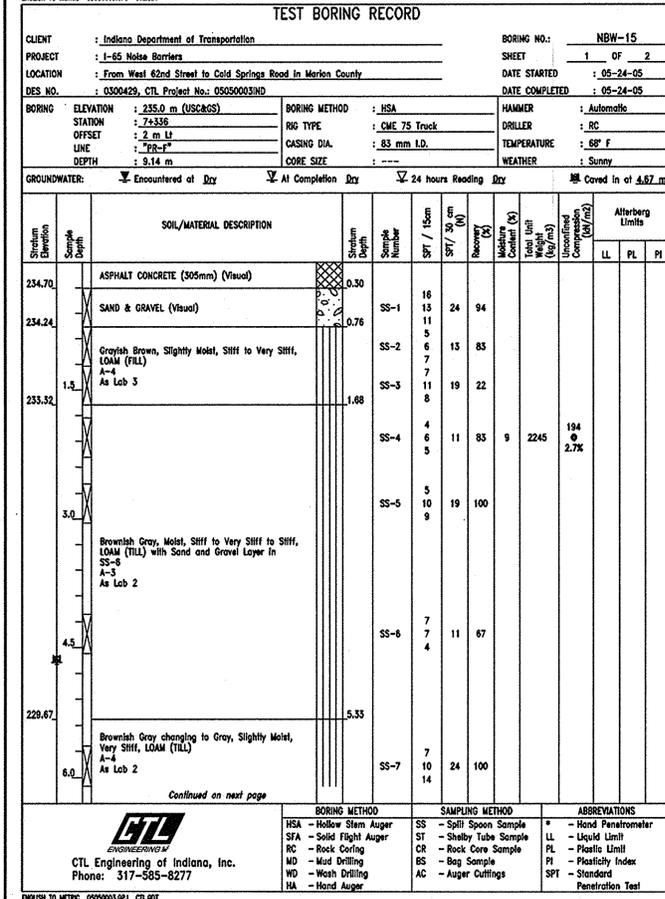
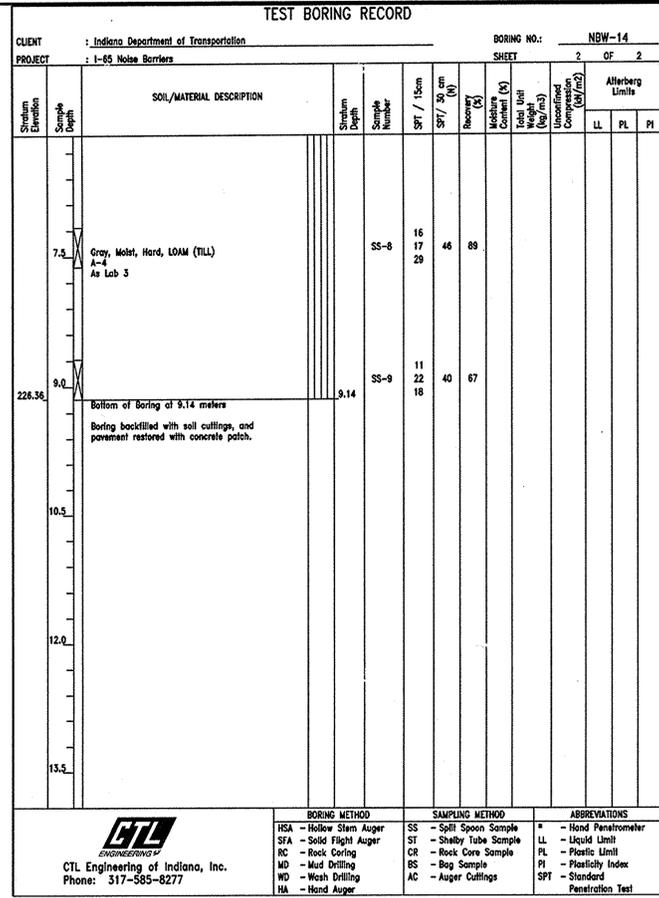
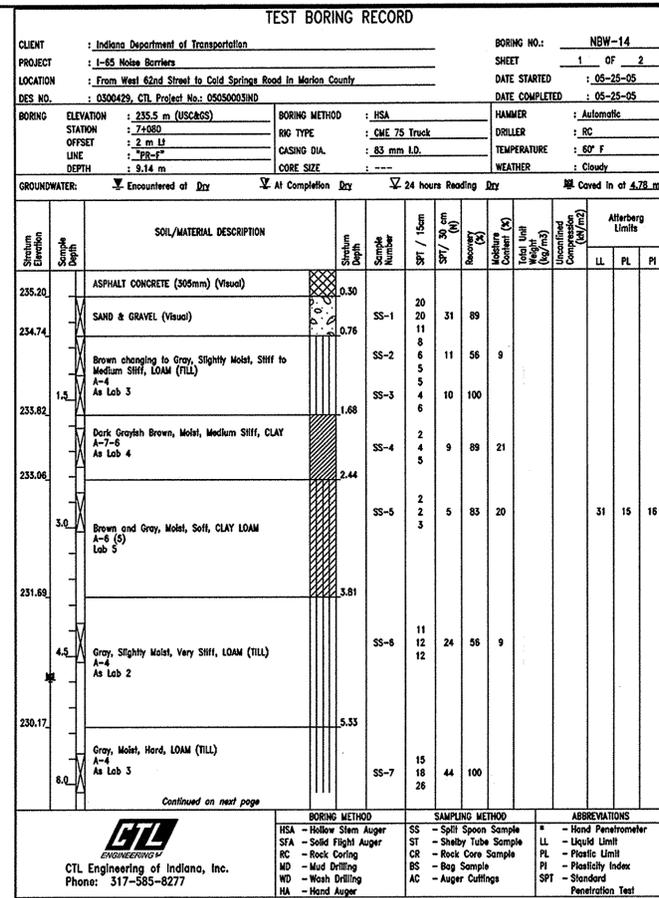
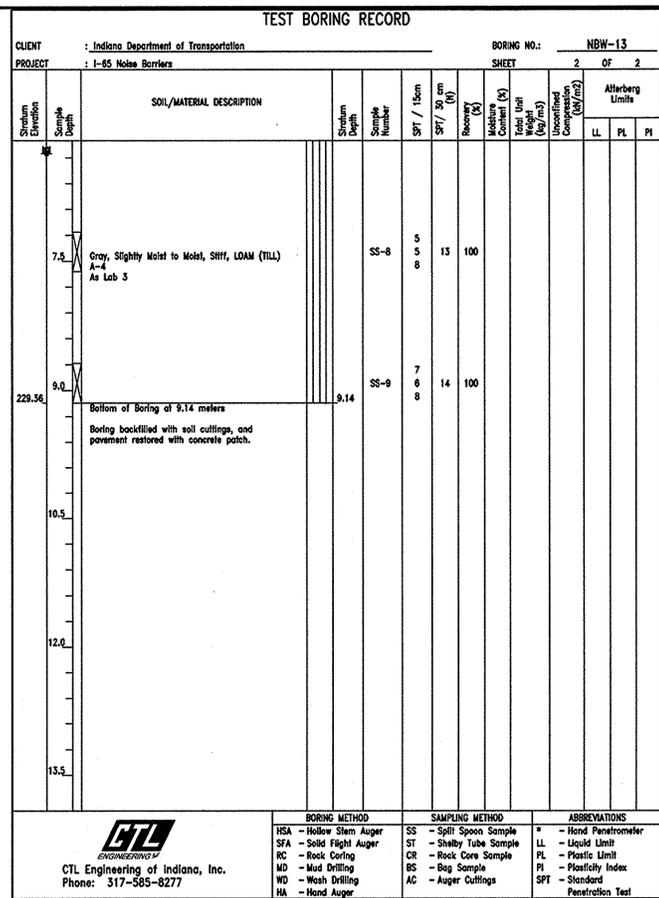
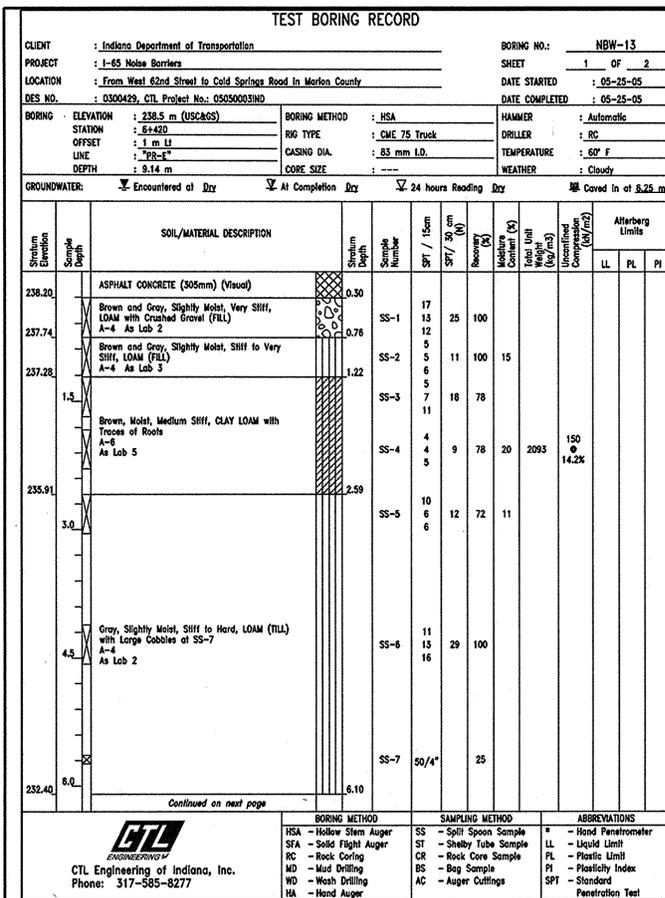
DESIGNED: PT DRAWN: JLM/CJS
CHECKED: MAK CHECKED: PT

INDIANA DEPARTMENT OF TRANSPORTATION

I-65 SOUND BARRIER WALL
SOIL BORINGS

HORIZONTAL SCALE	BRIDGE FILE
Not to Scale	
VERTICAL SCALE	DESIGNATION
Not to Scale	0300429
SURVEY BOOK	SHEETS
ELECTRONIC	29 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)

Date: Jan 19, 2006, 7:52am User: dlz.ctimurf
File: M:\proj\0461\2533\bridge\Noise\Noise Well\165 to Cold Springs\2533NWSB01.dwg



RECOMMENDED FOR APPROVAL
Michael A. Kummeth 11/9/06
DESIGN ENGINEER DATE

DESIGNED: PT
DRAWN: JLM/CJS
CHECKED: MAK
CHECKED: PT

INDIANA DEPARTMENT OF TRANSPORTATION

I-65 SOUND BARRIER WALL
SOIL BORINGS

HORIZONTAL SCALE	BRIDGE FILE
Not to Scale	
VERTICAL SCALE	DESIGNATION
Not to Scale	0300429
SURVEY BOOK	SHEETS
ELECTRONIC	30 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)

Date: Jan 19, 2006, 7:53am User: dlz_cadump File: M:\proj\0461\2633\Bridges\Noise Walls\I-65 to Cold Springs\2633NWSB01.dwg

TEST BORING RECORD NBW-17. Client: Indiana Department of Transportation. Project: I-65 Noise Barriers. Location: From West 62nd Street to Cold Springs Road in Marion County. Boring No.: NBW-17, Sheet 1 of 2. Includes soil description table with columns for Station Elevation, Sample Depth, SOIL/MATERIAL DESCRIPTION, Sample Number, SPT / 15cm, Recovery (%), Moisture Content (%), Plasticity Index, and Afterberg Limits (LL, PL, PI).

TEST BORING RECORD NBW-17. Client: Indiana Department of Transportation. Project: I-65 Noise Barriers. Location: From West 62nd Street to Cold Springs Road in Marion County. Boring No.: NBW-17, Sheet 2 of 2. Includes soil description table with columns for Station Elevation, Sample Depth, SOIL/MATERIAL DESCRIPTION, Sample Number, SPT / 15cm, Recovery (%), Moisture Content (%), Plasticity Index, and Afterberg Limits (LL, PL, PI).

TEST BORING RECORD NBW-18. Client: Indiana Department of Transportation. Project: I-65 Noise Barriers. Location: From West 62nd Street to Cold Springs Road in Marion County. Boring No.: NBW-18, Sheet 1 of 2. Includes soil description table with columns for Station Elevation, Sample Depth, SOIL/MATERIAL DESCRIPTION, Sample Number, SPT / 15cm, Recovery (%), Moisture Content (%), Plasticity Index, and Afterberg Limits (LL, PL, PI).

TEST BORING RECORD NBW-18. Client: Indiana Department of Transportation. Project: I-65 Noise Barriers. Location: From West 62nd Street to Cold Springs Road in Marion County. Boring No.: NBW-18, Sheet 2 of 2. Includes soil description table with columns for Station Elevation, Sample Depth, SOIL/MATERIAL DESCRIPTION, Sample Number, SPT / 15cm, Recovery (%), Moisture Content (%), Plasticity Index, and Afterberg Limits (LL, PL, PI).

TEST BORING RECORD NBW-19. Client: Indiana Department of Transportation. Project: I-65 Noise Barriers. Location: From West 62nd Street to Cold Springs Road in Marion County. Boring No.: NBW-19, Sheet 1 of 2. Includes soil description table with columns for Station Elevation, Sample Depth, SOIL/MATERIAL DESCRIPTION, Sample Number, SPT / 15cm, Recovery (%), Moisture Content (%), Plasticity Index, and Afterberg Limits (LL, PL, PI).

TEST BORING RECORD NBW-19. Client: Indiana Department of Transportation. Project: I-65 Noise Barriers. Location: From West 62nd Street to Cold Springs Road in Marion County. Boring No.: NBW-19, Sheet 2 of 2. Includes soil description table with columns for Station Elevation, Sample Depth, SOIL/MATERIAL DESCRIPTION, Sample Number, SPT / 15cm, Recovery (%), Moisture Content (%), Plasticity Index, and Afterberg Limits (LL, PL, PI).

TEST BORING RECORD NBW-20. Client: Indiana Department of Transportation. Project: I-65 Noise Barriers. Location: From West 62nd Street to Cold Springs Road in Marion County. Boring No.: NBW-20, Sheet 1 of 2. Includes soil description table with columns for Station Elevation, Sample Depth, SOIL/MATERIAL DESCRIPTION, Sample Number, SPT / 15cm, Recovery (%), Moisture Content (%), Plasticity Index, and Afterberg Limits (LL, PL, PI).

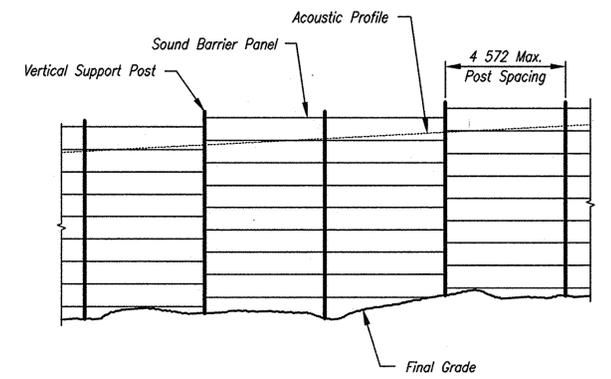
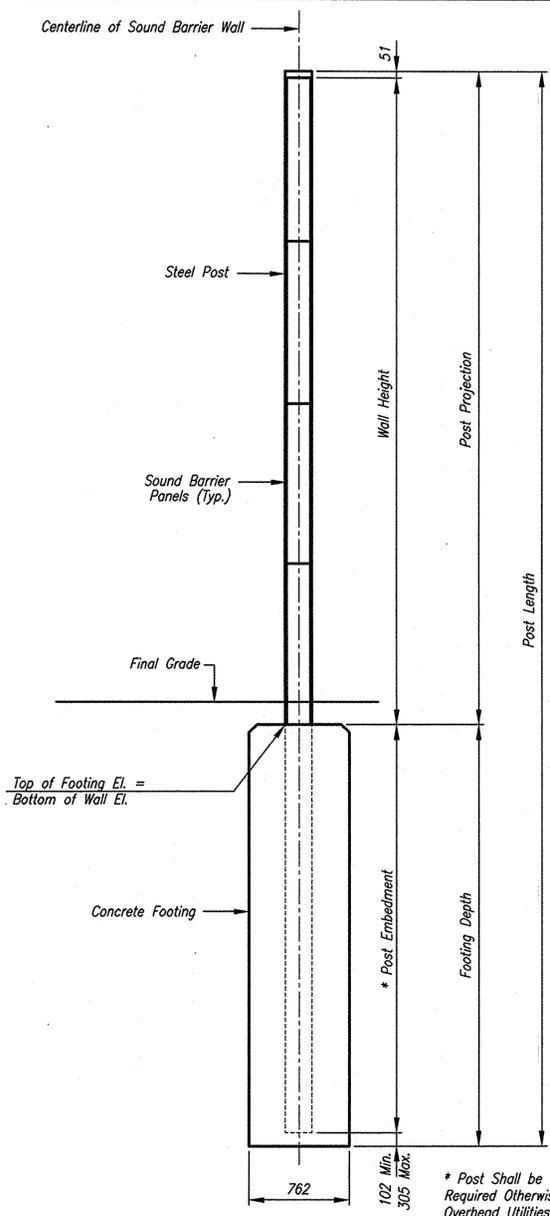
TEST BORING RECORD NBW-20. Client: Indiana Department of Transportation. Project: I-65 Noise Barriers. Location: From West 62nd Street to Cold Springs Road in Marion County. Boring No.: NBW-20, Sheet 2 of 2. Includes soil description table with columns for Station Elevation, Sample Depth, SOIL/MATERIAL DESCRIPTION, Sample Number, SPT / 15cm, Recovery (%), Moisture Content (%), Plasticity Index, and Afterberg Limits (LL, PL, PI).



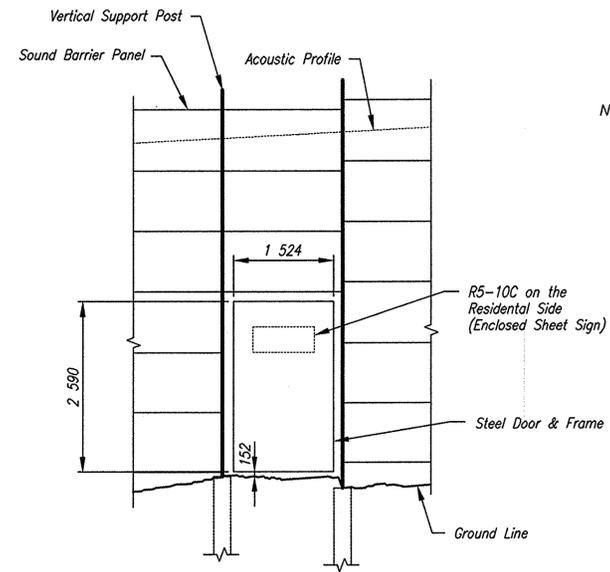
RECOMMENDED FOR APPROVAL Michael D. Hummel 1/19/06 DESIGN ENGINEER DATE. DESIGNED: PT DRAWN: JLM/CJS CHECKED: MAK CHECKED: PT

INDIANA DEPARTMENT OF TRANSPORTATION I-65 SOUND BARRIER WALL SOIL BORINGS

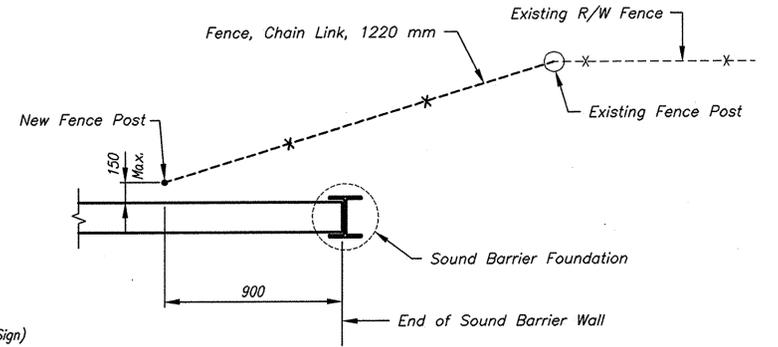
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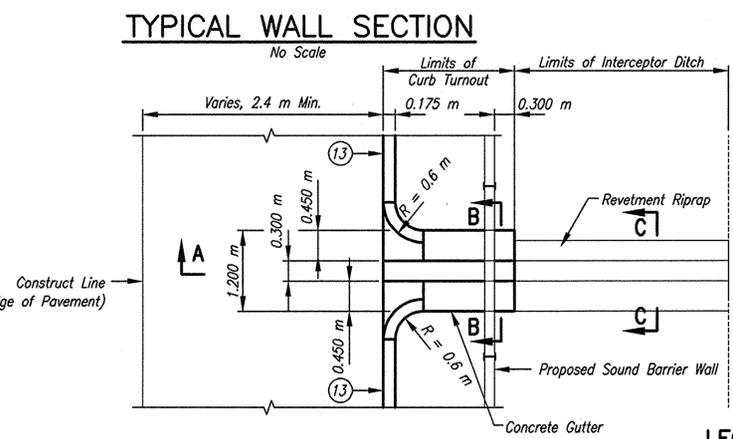
TYPICAL ELEVATION OF GROUND MOUNTED SOUND BARRIER WALL
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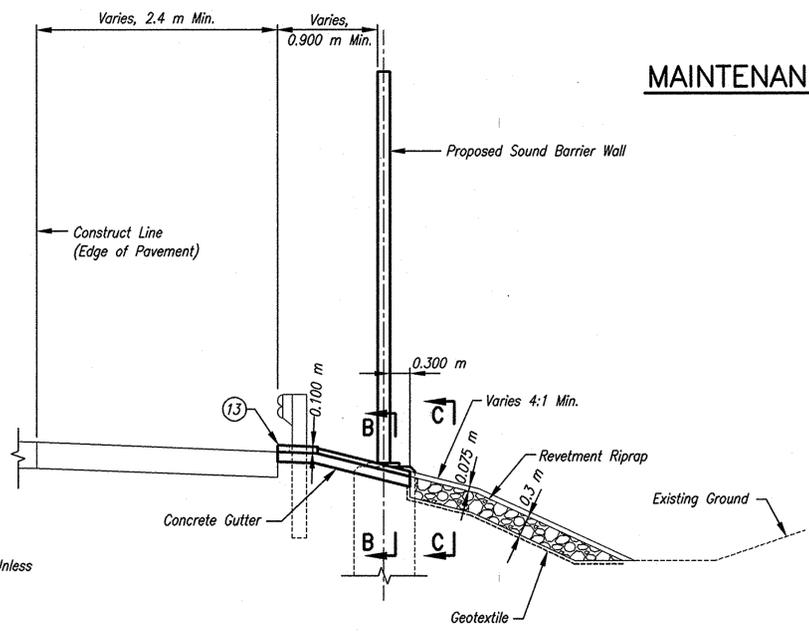
MAINTENANCE/FIRE HYDRANT ACCESS DOOR ELEVATION
No Scale



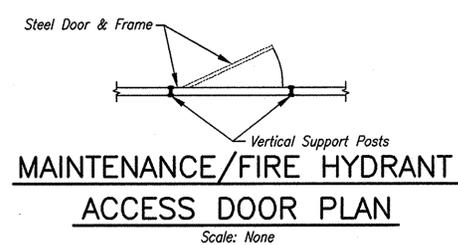
FENCE TIE-IN DETAIL
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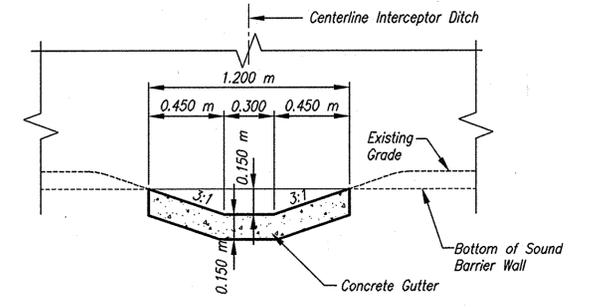
TYPICAL WALL SECTION
No Scale



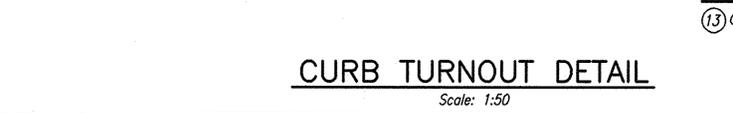
SECTION A-A
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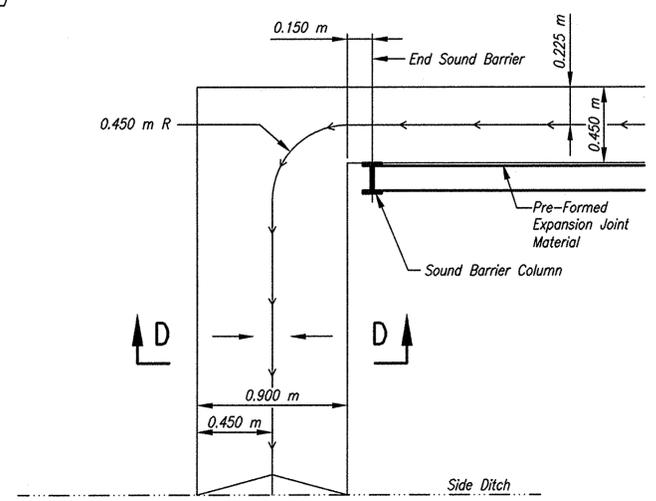
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Scale: None



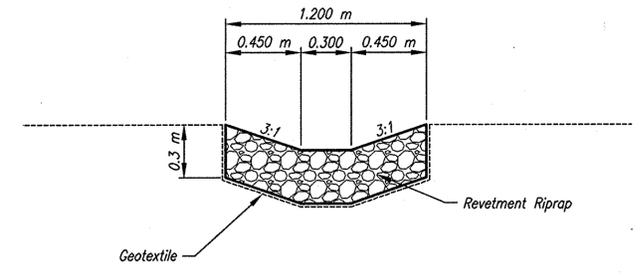
SECTION B-B
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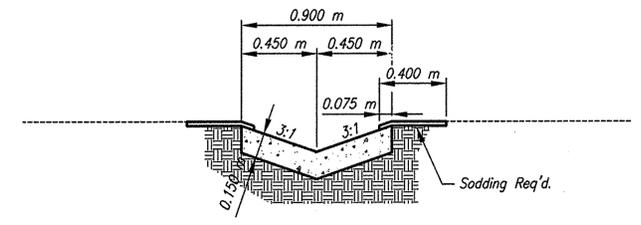
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Scale: 1:50



PAVED SIDE DITCH TURNOUT DETAIL
Scale: N.T.S.



SECTION C-C
Scale: 1:20



SECTION D-D
Scale: 1:20

LEGEND
(13) Concrete Curb, Type B

Date: Jan 19, 2006, 7:53am User ID: cplumpf
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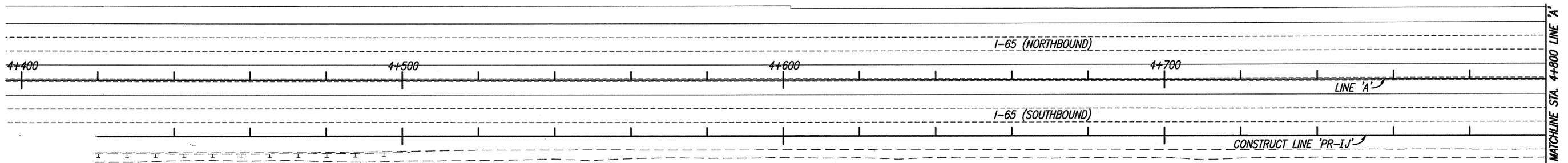
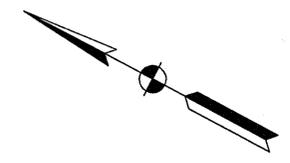


RECOMMENDED FOR APPROVAL <i>Michael A. Kimmeth</i> 1/19/06 DESIGN ENGINEER DATE	
DESIGNED: PT	DRAWN: JLM/CJS
CHECKED: MAK	CHECKED: PT

INDIANA DEPARTMENT OF TRANSPORTATION	
I-65 SOUND BARRIER WALL DETAILS	

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 0300429
SURVEY BOOK ELECTRONIC CONTRACT R-28085	SHEETS 32 of 101 PROJECT IM-065-3(306)

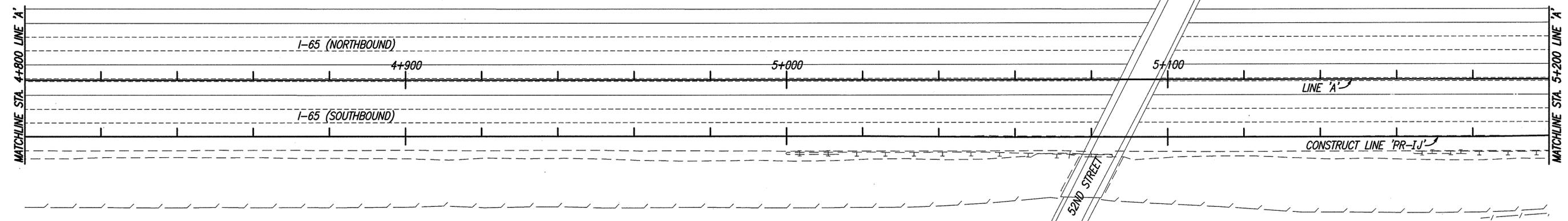
4+400 4+500 4+600 4+700 4+800



EXIT 121
Lafayette Rd.
 1/2 MILE



4+800 4+900 5+000 5+100 5+200



SIGN SYMBOL LEGEND
 T Existing Ground Mounted Sheet Sign
 F Existing Ground Mounted Panel Sign

LEGEND
 ① No Change Required To Existing Sign And Support

QUANTITIES
 Overhead Sign Structure, Cantilever, Remove 0 Each
 Sign And Supports, Wide Flange, Remove 0 Each
 Sign, Sheet And Supports, Remove 0 Each

NOTE: ALL SIGNS ARE DESCRIBED FROM CONSTRUCT LINE 'PR-IJ'.

Date: Jan 19, 2006, 7:53am User: dlz User: dlz File: M:\proj\0461\2633\bridge\chgs\Noise Wall\I65 to Cold Springs\SIGNS\DWG\2533SU1 &DOT1.dwg



RECOMMENDED FOR APPROVAL	<i>B K Arterberry</i> 1/19/06 DESIGN ENGINEER DATE	
DESIGNED:	QA	DRAWN: JLM/CJS
CHECKED:	BKA/MAK	CHECKED: QA

INDIANA DEPARTMENT OF TRANSPORTATION
EXISTING SIGN PLAN

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	0300429
SURVEY BOOK	SHEETS
	33 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)

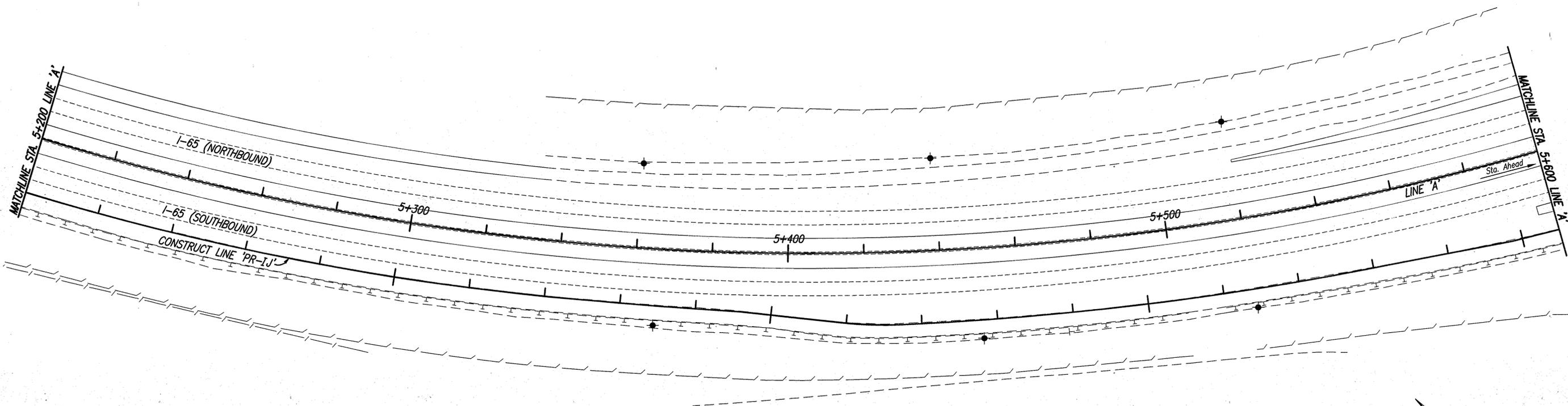
5+200

5+300

5+400

5+500

5+600



Sta. 5+479.000
 W-2(R)
 "Curve Ahead" (7)

SIGN SYMBOL LEGEND

┆ Existing Ground Mounted Sheet Sign

LEGEND

⊙ Remove Existing Sheet Sign And Supports

QUANTITIES

Overhead Sign Structure, Cantilever, Remove 0 Each
 Sign And Supports, Wide Flange, Remove 0 Each
 Sign, Sheet And Supports, Remove 1 Each

NOTE: ALL SIGNS ARE DESCRIBED FROM CONSTRUCT LINE 'PR-IJ'.

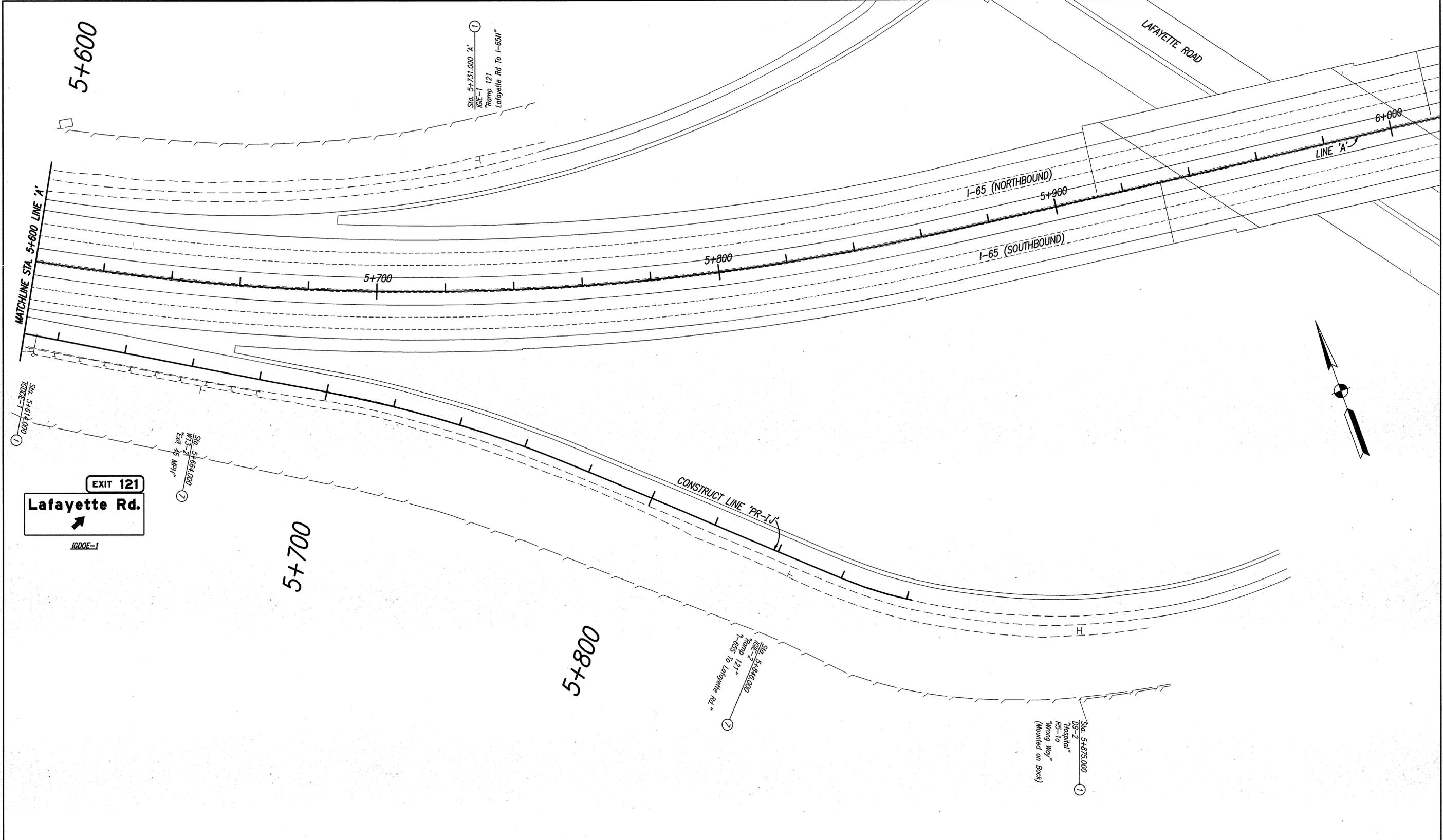
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RECOMMENDED FOR APPROVAL	<i>B. K. Arterberry</i>	1/19/06	DATE
DESIGNED:	QA	DRAWN:	JLM/CJS
CHECKED:	BKA/MAK	CHECKED:	QA

INDIANA DEPARTMENT OF TRANSPORTATION	
EXISTING SIGN PLAN	

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	0300429
SURVEY BOOK	SHEETS
	34 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)



EXIT 121
Lafayette Rd.
 IGDOE-1

SIGN SYMBOL LEGEND

- Existing Ground Mounted Sheet Sign
- Existing Overhead Double Mast Arm Structure

LEGEND

- ① No Change Required To Existing Sign And Support
- ② Remove Existing Sheet Sign And Supports

QUANTITIES

- Overhead Sign Structure, Cantilever, Remove 0 Each
- Sign And Supports, Wide Flange, Remove 0 Each
- Sign, Sheet And Supports, Remove 2 Each

NOTE: ALL SIGNS ARE DESCRIBED FROM CONSTRUCT LINE 'PR-IJ'.

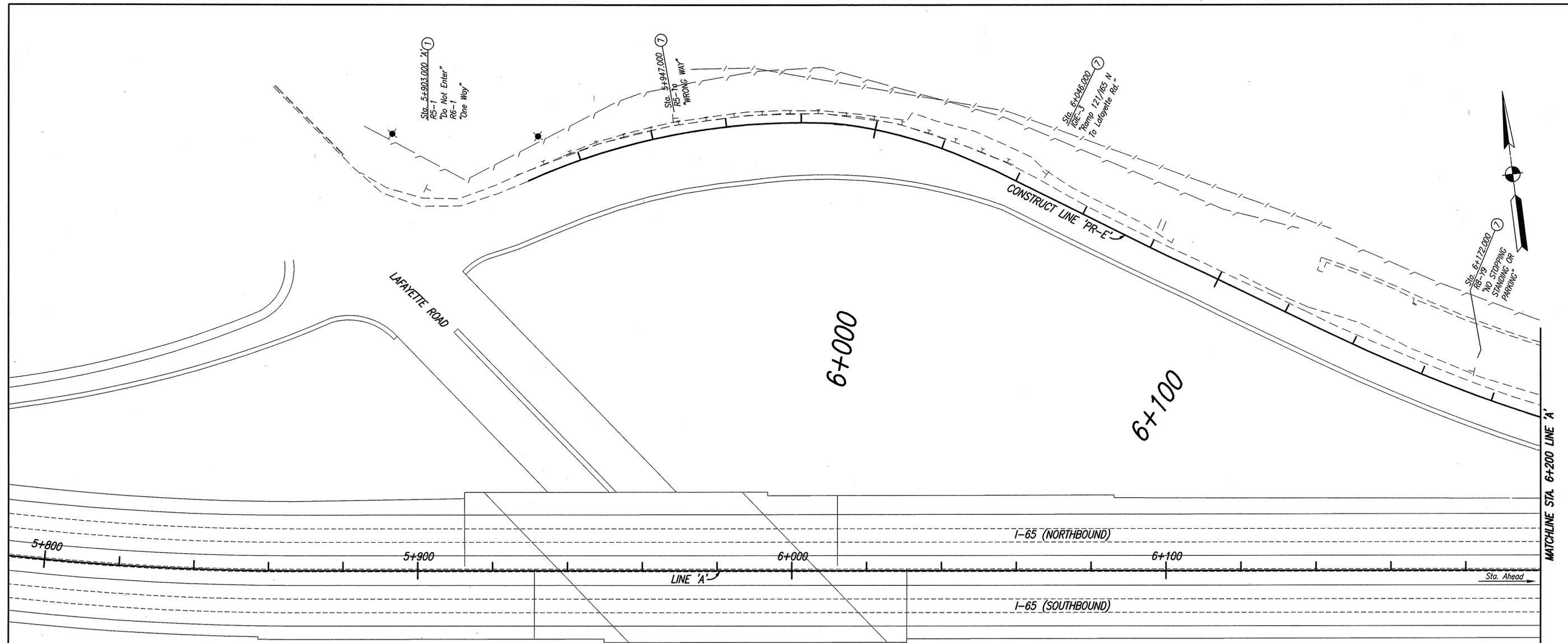
Date: Jan 19, 2006, 7:53am User: jr_schumpe File: M:\proj\0461\2533\bridge\signs\DWG\2533SU_18D01E.dwg



RECOMMENDED FOR APPROVAL	<i>B. K. Arterbery</i>	1/19/06
DESIGNED:	QA	DRAWN: JLM/CJS
CHECKED:	BKA/MAK	CHECKED: QA

INDIANA DEPARTMENT OF TRANSPORTATION
EXISTING SIGN PLAN

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	0300429
SURVEY BOOK	SHEETS
	35 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)



SIGN SYMBOL LEGEND

Existing Ground Mounted Sheet Sign

LEGEND

- ① No Change Required To Existing Sign And Support
- ② Remove Existing Sheet Sign And Supports

QUANTITIES

Overhead Sign Structure, Cantilever, Remove 0 Each
 Sign And Supports, Wide Flange, Remove 0 Each
 Sign, Sheet And Supports, Remove 3 Each

NOTE: ALL SIGNS ARE DESCRIBED FROM CONSTRUCT LINE 'PR-E'.

Date: Jan 19, 2006, 7:53am User: dlz_cadump
 File: M:\Proj\0461\2533\bridge\dwg\Moise Walla\I65 to Cold Springs\SIGNS\DWG\2533SLE01.E.dwg



RECOMMENDED FOR APPROVAL: *B. K. Arterbery* 1/19/06
 DESIGN ENGINEER DATE
 DESIGNED: QA DRAWN: JLM/CJS
 CHECKED: BKA/MAK CHECKED: QA

INDIANA DEPARTMENT OF TRANSPORTATION
EXISTING SIGN PLAN

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	0300429
SURVEY BOOK	SHEETS
	36 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)

6+200

Sta. 6+232.000
100'-4"
EXIT 121*

Sta. 6+261.000
113'-2"
EXIT 45 MPH*

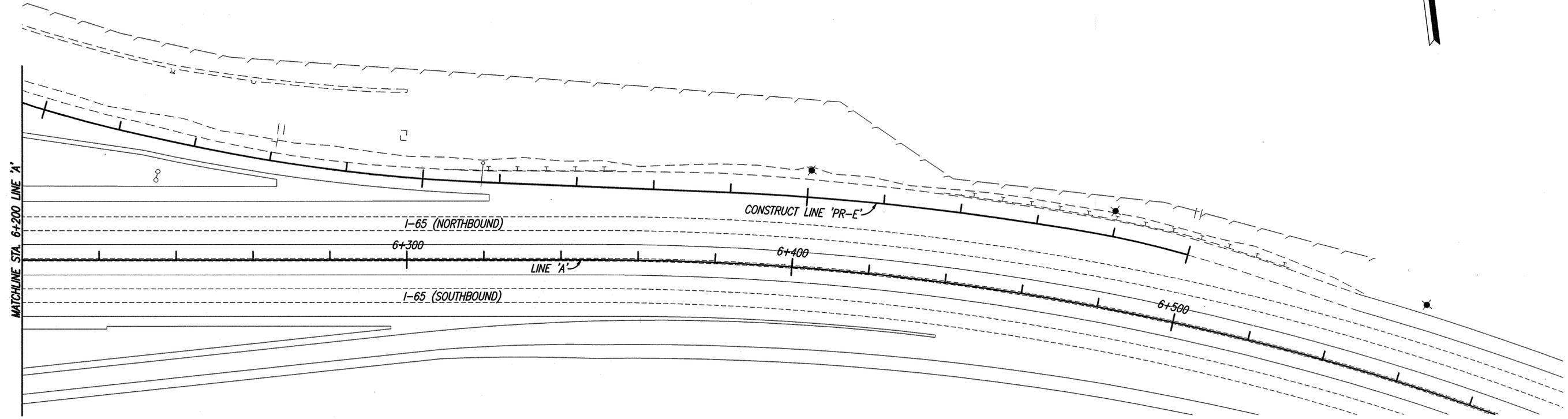
6+300

Sta. 6+316.000
100'-1"

EXIT 121
Lafayette Rd.
↑
IGDOE-1

6+400

6+500



SIGN SYMBOL LEGEND

- └ Existing Ground Mounted Sheet Sign
- Existing Overhead Double Mast Arm Structure

LEGEND

- ① No Change Required To Existing Sign And Support
- ② Remove Existing Sheet Sign And Supports

QUANTITIES

- Overhead Sign Structure, Cantilever, Remove 0 Each
- Sign And Supports, Wide Flange, Remove 0 Each
- Sign, Sheet And Supports, Remove 1 Each

NOTE: ALL SIGNS ARE DESCRIBED FROM CONSTRUCT LINE 'PR-E'.

Date: Jan 19, 2006, 7:53am User: dlz\dlz User: dlz\dlz File: M:\proj\0461\2633\bridge\signs\DWG\2533SLE01E.dwg



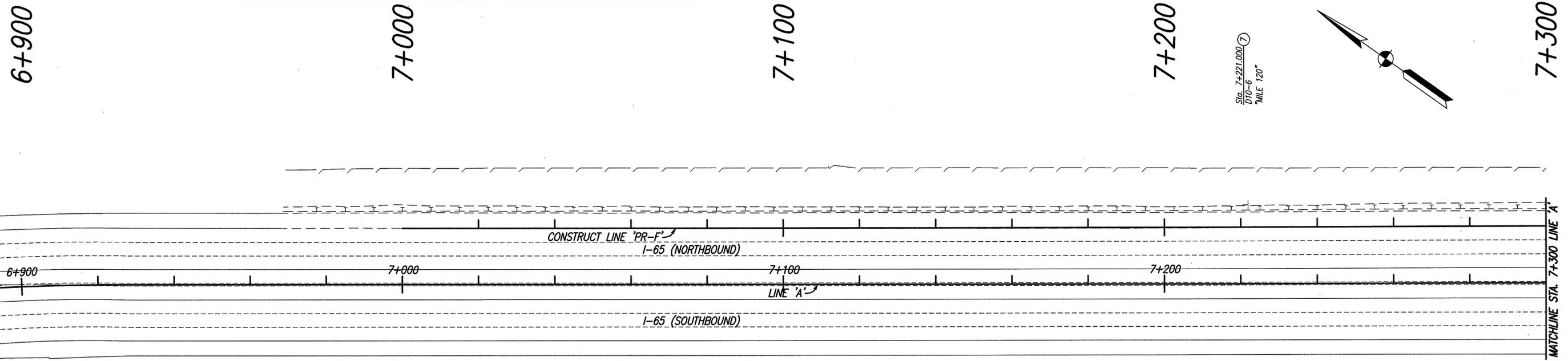
RECOMMENDED FOR APPROVAL *Brian K. Arterberry* 1/19/06
DESIGN ENGINEER DATE

DESIGNED: ERW DRAWN: JLM/CJS
CHECKED: BKA/MAK CHECKED: ERW

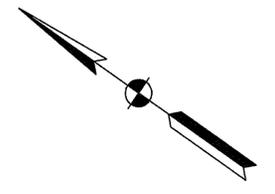
INDIANA DEPARTMENT OF TRANSPORTATION

EXISTING SIGN PLAN

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 0300429
SURVEY BOOK	SHEETS 37 of 101
CONTRACT R-28085	PROJECT IM-065-3(306)



Sta. 7+221.000 (7)
D10-6
"MILE 1/2"



GEORGETOWN ROAD

SIGN SYMBOL LEGEND

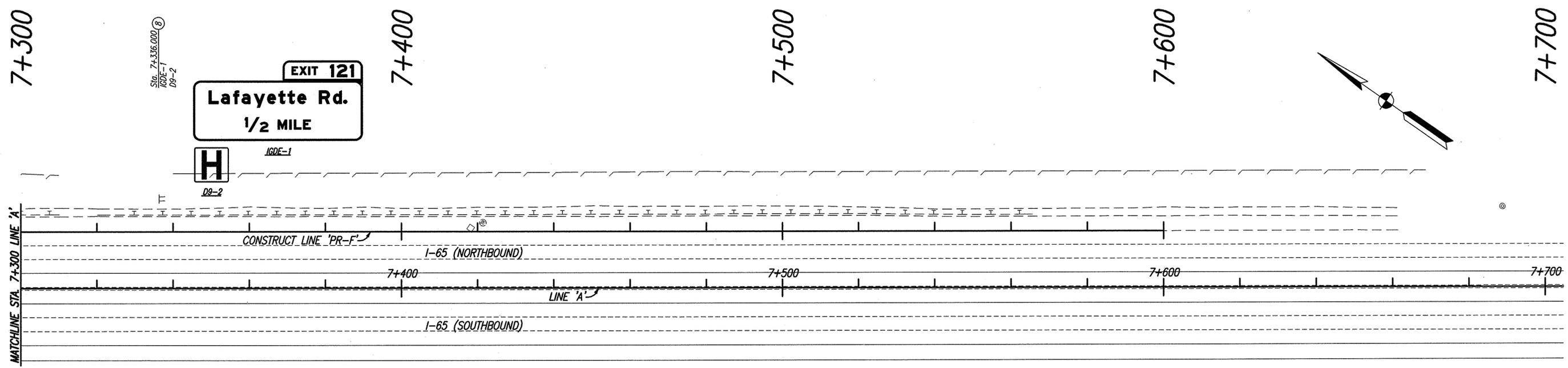
- T Existing Ground Mounted Sheet Sign
- F Existing Ground Mounted Panel Sign

LEGEND

- (7) Remove Existing Sheet Sign And Supports
- (8) Remove Existing Ground Mounted Panel Sign, Supports and Foundations

QUANTITIES

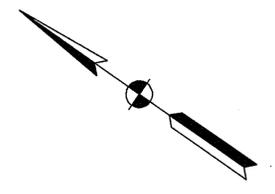
- Overhead Sign Structure, Cantilever, Remove 0 Each
- Sign And Supports, Wide Flange, Remove 1 Each
- Sign, Sheet And Supports, Remove 1 Each



Sta. 7+336.000 (8)
D9-2

EXIT 121
Lafayette Rd.
1/2 MILE

H
D9-2



Date: Jan 19, 2006, 7:54am User: ID: cshumpf File: M:\proj\0461\2533\bridge\chgs\Noise Wells\65 to Cold Springs\SIGNS\DWG\2533SIF01E.dwg

NOTE: ALL SIGNS ARE DESCRIBED FROM CONSTRUCT LINE 'PR-F'.



RECOMMENDED FOR APPROVAL	<i>Brian K. Arterberry</i>	1/19/06	DATE
DESIGNED:	QA	DRAWN:	JLM/CJS
CHECKED:	BKA/MAK	CHECKED:	QA

INDIANA DEPARTMENT OF TRANSPORTATION
EXISTING SIGN PLAN

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	0300429
SURVEY BOOK	SHEETS
	38 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)

GUION ROAD



MATCHLINE STA. 9+900 LINE 'A'

I-65 (NORTHBOUND)

I-65 (SOUTHBOUND)

EASTBOUND 38th STREET

CONSTRUCT LINE 'PR-K'

9+500

9+600

9+700

9+800

9+500

Sta. 9+530.000
60 inch sign
①

Sta. 9+537.000
42" x 48" sign
SPEED LIMIT 55"
①

9+600

9+700

9+800

Kessler Blvd ↗

IGDE-3

Sta. 9+856.000
R3-7(R)
Right Lane Must Turn Right
1602-3
①

9+900

SIGN SYMBOL LEGEND

- T Existing Ground Mounted Sheet Sign
- TT Existing Ground Mounted Panel Sign
- ✱ Existing Light Pole Mounted Sheet Sign

LEGEND

- ① No Change Required To Existing Sign And Support

QUANTITIES

Overhead Sign Structure, Cantilever, Remove	0 Each
Sign And Supports, Wide Flange, Remove	0 Each
Sign, Sheet And Supports, Remove	0 Each

NOTE: ALL SIGNS ARE DESCRIBED FROM CONSTRUCT LINE 'PR-K'.

Plot: J:\19_2006_7164.dwg User: B:\schmitt File: M:\proj\0461\2533\Verdigo\chgs\Notes\Wells\185 In Cold Springs\Signs\DWG\2533SL01E.dwg



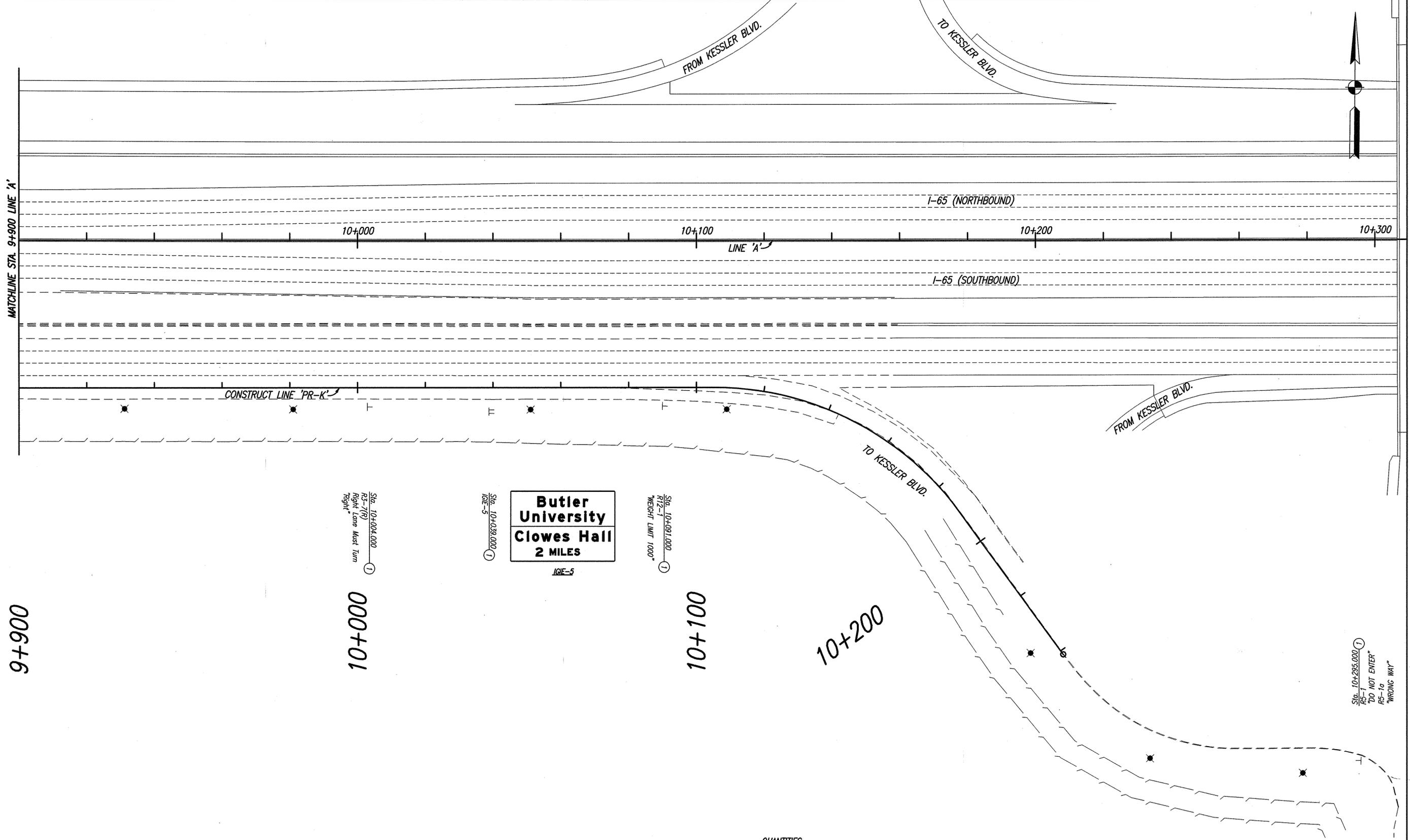
RECOMMENDED FOR APPROVAL	<i>B. K. Arterbery</i>	1/19/06	DATE
DESIGNED:	QA	DRAWN:	JLM/CJS
CHECKED:	BKA/MAK	CHECKED:	QA

INDIANA DEPARTMENT OF TRANSPORTATION	
EXISTING SIGN PLAN	

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	0300429
SURVEY BOOK	SHEETS
	39 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)

Date: Jan 19, 2006, 7:54am User: ID: estumpf
 File: M:\proj\0461\2632\bridge\dwg\Noise Wall\65 to Cold Springs\SIGNS\DWG\2853SLK01E.dwg

MATCHLINE STA. 9+900 LINE 'A'



9+900

10+000

10+100

10+200

10+295.000
 RS-1
 RS-1a
 RS-1a
 "WRONG WAY"

SIGN SYMBOL LEGEND

- T Existing Ground Mounted Sheet Sign
- ⊞ Existing Ground Mounted Panel Sign

LEGEND

- ① No Change Required To Existing Sign And Support

QUANTITIES

Overhead Sign Structure, Cantilever, Remove	0 Each
Sign And Supports, Wide Flange, Remove	0 Each
Sign, Sheet And Supports, Remove	0 Each

NOTE: ALL SIGNS ARE DESCRIBED FROM CONSTRUCT LINE 'PR-K'.

		RECOMMENDED FOR APPROVAL	<i>Brian K. Arterbery</i> 1/19/06 <small>DESIGN ENGINEER DATE</small>	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1:500	BRIDGE FILE
		DESIGNED: QA	DRAWN: JLM/CJS	EXISTING SIGN PLAN	VERTICAL SCALE 1:100	DESIGNATION 0300429
CHECKED: BKA/MAK	CHECKED: QA			SURVEY BOOK	SHEETS 40 of 101	
				CONTRACT R-28085	PROJECT IM-065-3(306)	

4+400

SEC. 12, T16N, R2E
PIKE TOWNSHIP
MARION COUNTY

4+500

4+600

4+700

4+800

BEGIN PROJECT

P.O.B. STA. 4+480.000 LINE 'A'

BEGIN WALL 'I' CONSTRUCTION

P.O.T. STA. 4+480.000 LINE 'PR-IJ' =

O.P.O.T. STA. 4+480.000 LINE 'A', 14.755 m RT.

P.O.B. Sta. 4+420.000 Line 'PR-IJ' =
O.P.O.T. Sta. 4+420.000 Line 'A', 14.755 m Rt.

Sta. 4+668.000
FA-1 (900 x 750)
"The Hydrant Access"
FA-S1 (1950 x 450)
"Lakeside Manor Dr."
Fire Hydrant Access"

I-65 (NORTHBOUND)

S 27°50'06" E

LINE 'A'

Sta. Ahead

I-65 (SOUTHBOUND)

S 27°50'06" E

CONSTRUCT LINE 'PR-IJ'

Sta. Ahead

Sound Barrier Wall I
Ground Mounted

EXIT 121

Lafayette Rd.

1/2 MILE

IGDE-1



D9-2

Sta. 4+995.000
IGDE-1
D9-2

5+000

Sta. 4+668.000
RS-10c (700 x 300)
"Pedestrians Prohibited"

5+100

BEGIN WALL 'J' CONSTRUCTION

P.O.T. STA. 5+120.000 LINE 'PR-IJ' =

O.P.O.T. STA. 5+120.000 LINE 'A', 15.053 m RT.

P.I. 5+059.380 Line 'PR-IJ'
Δ = 0°27'17" Lt.
No Curve Run=
O.P.O.T. Sta. 5+059.379 Line 'A'
15.062 m Rt.

CURVE DATA (LINE 'A')

P.I. Sta. 5+559.762 Line 'A'
Δ = 54°47'28" Lt.
R = 698.550 m
T = 362.025 m
L = 668.013 m
E = 86.237 m

P.C. Sta. 5+197.737 Line 'A'

Sta. 4+895.000
FA-1 (900 x 750)
"The Hydrant Access"
FA-S2 (1950 x 450)
"Brookville Lake Dr."
Fire Hydrant Access"

END WALL 'I' CONSTRUCTION

P.O.T. STA. 5+050.000 LINE 'PR-IJ' =

O.P.O.T. STA. 5+049.877 LINE 'A', 14.988 m RT.

P.I. 5+020.000 Line 'PR-IJ'
Δ = 0°26'46" Rt.
No Curve Run=
O.P.O.T. Sta. 5+020.000 Line 'A'
14.755 m Rt.

P.I. 5+182.971 Line 'PR-IJ'
Δ = 0°49'10" Lt.
No Curve Run=
O.P.O.T. Sta. 5+182.969 Line 'A'
15.043 m Rt.

S 27°50'06" E

LINE 'A'

Sta. Ahead

S 28°39'47" E

CONSTRUCT LINE 'PR-IJ'

Sta. Ahead

Sound Barrier Wall I
Ground Mounted

Sta. 4+895.000
RS-10c
(700 x 300)
"Pedestrians Prohibited"

SIGN SYMBOL LEGEND

- Existing Ground Mounted Sheet Sign
- Existing Ground Mounted Panel Sign
- Flush Mounted Sign Attachment on Wall
- Wall Mounted Sign Attachment

LEGEND

- No Change Required To Existing Sign And Support

NOTE: ALL SIGNS ARE DESCRIBED FROM CONSTRUCT LINE 'PR-IJ'.

Date: Jan 19, 2006, 2:54pm User: dl, cadumpf
File: M:\Proj\0461\2433\Bridges\Draw\Noise Walls\IBS to Cold Springs\SIGNS\DWG\2433S11 J&D01P.dwg



RECOMMENDED FOR APPROVAL *B. K. Arterberry* 1/19/06
DESIGN ENGINEER DATE

DESIGNED: QA DRAWN: JLM/CJS
CHECKED: BKA/MAK CHECKED: QA

INDIANA DEPARTMENT OF TRANSPORTATION

PROPOSED SIGN PLAN

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 0300429
SURVEY BOOK	SHEETS 41 of 101
CONTRACT R-28085	PROJECT IM-065-3(306)

5+200

SEC. 12, T16N, R2E
PIKE TOWNSHIP
MARION COUNTY

5+300

CURVE DATA (LINE 'PR-D')

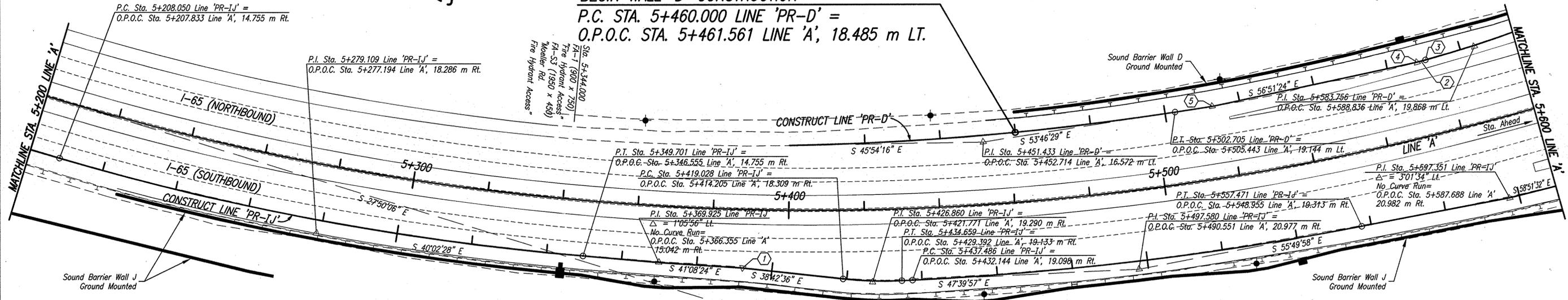
Sta. 5+451.433 Line 'PR-D'
Δ = 7' 52' 13" Lt.
R = 747.690 m
T = 51.433 m
L = 102.705 m
E = 1.767 m

5+500

Sta. 5+565.000 PR-D
R=10c (700 x 300)
Pedestrians Prohibited

BEGIN WALL 'D' CONSTRUCTION

P.C. STA. 5+460.000 LINE 'PR-D' =
O.P.O.C. STA. 5+461.561 LINE 'A', 18.485 m LT.



CURVE DATA (LINE 'PR-IJ')

P.I. Sta. 5+279.109 Line 'PR-IJ'
Δ = 11' 22' 41" Lt.
R = 713.305 m
T = 71.060 m
L = 141.652 m
E = 3.531 m

CURVE DATA (LINE 'PR-IJ')

P.I. Sta. 5+426.860 Line 'PR-IJ'
Δ = 8' 57' 21" Lt.
R = 100.000 m
T = 7.831 m
L = 15.631 m
E = 0.306 m

CURVE DATA (LINE 'PR-IJ')

P.I. Sta. 5+497.580 Line 'PR-IJ'
Δ = 8' 10' 01" Lt.
R = 841.762 m
T = 60.094 m
L = 119.985 m
E = 2.142 m

CURVE DATA (LINE 'A')

P.I. Sta. 5+559.762 Line 'A'
Δ = 54' 47' 28" Lt.
R = 698.550 m
T = 362.025 m
L = 668.013 m
E = 88.237 m

KEY NOTES:

- 1) P.I. Sta. 5+392.222 Line 'PR-IJ'
Δ = 2'25'48" Rt.
No Curve Run
O.P.O.T. Sta. 5+388.168 Line 'A', 15.594 m Rt.
S 59°34'47" E
- 2) P.C. Sta. 5+570.390 Line 'PR-D' =
O.P.O.T. Sta. 5+575.097 Line 'A', 19.815 m Lt.
- 3) P.I. Sta. 5+568.071 Line 'PR-D'
Δ = 2'43'23" Lt.
No Curve Run
O.P.O.T. Sta. 5+572.692 Line 'A', 19.778 m Rt.
- 4) P.I. Sta. 5+512.670 Line 'PR-D'
Δ = 3'04'55" Lt.
No Curve Run
O.P.O.T. Sta. 5+515.689 Line 'A', 19.192 m Rt.

SIGN SYMBOL LEGEND

- Ground Mounted Sheet Sign
- Flush Mounted Sign Attachment on Wall
- Wall Mounted Sign Attachment

LEGEND

- Existing Sheet Sign on New Supports

NOTE: ALL SIGNS ARE DESCRIBED FROM CONSTRUCT LINE 'PR-IJ'.

Date: Jan 19, 2006, 7:54am. User ID: cstumpf. File: M:\proj\0461\2533\bridge\dwg\Noise Walls\65 to Cold Springs\Signs\DWG\2533S11_1801P.dwg

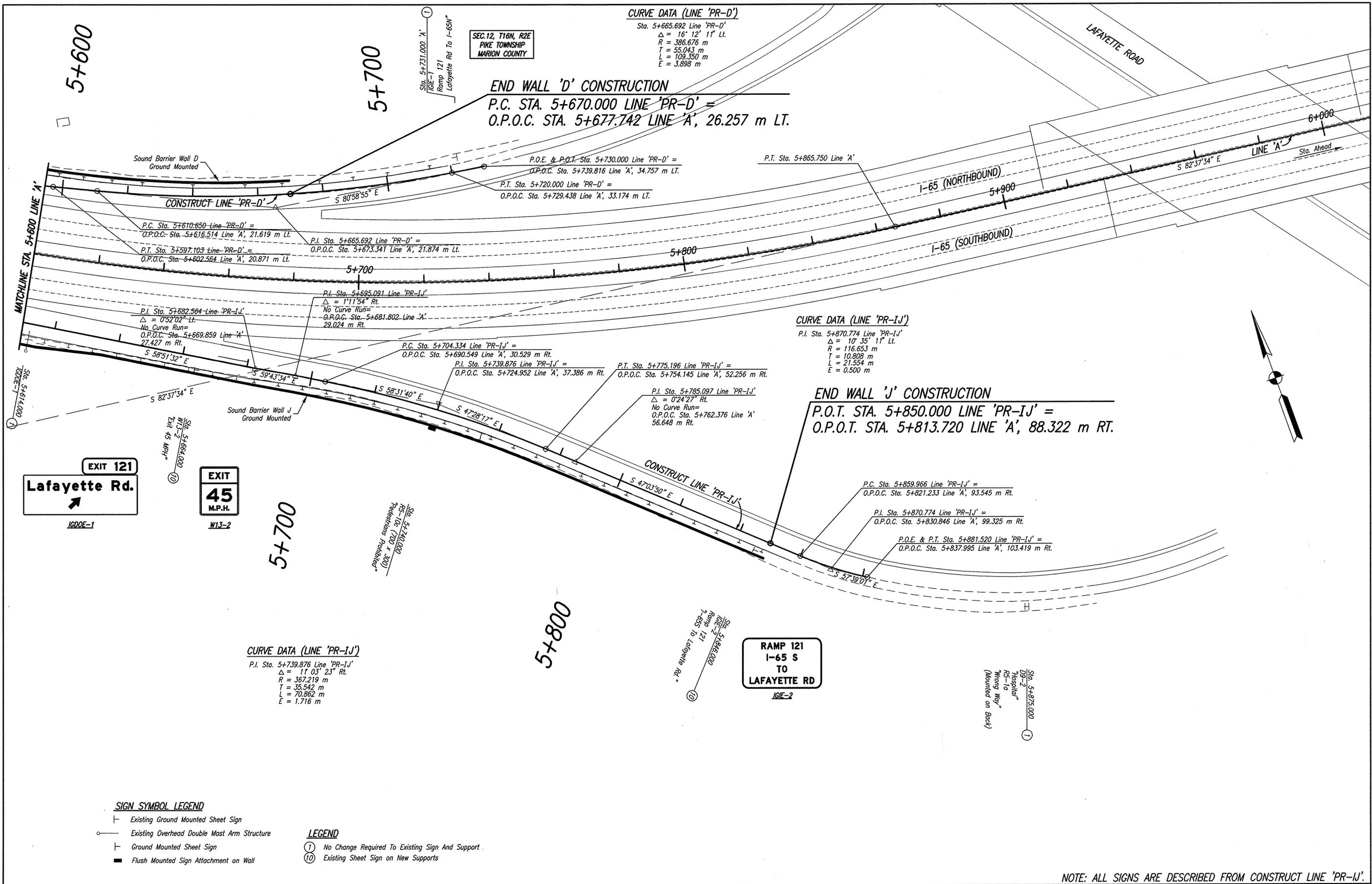


Table with columns for Recommended for Approval, Design Engineer (B.K.A.), Date (1/19/06), and Checked/Drawn/Checked by (ERW, JLM/CJS, BKA/MAK, ERW).

INDIANA DEPARTMENT OF TRANSPORTATION
PROPOSED SIGN PLAN

Table with columns for Horizontal Scale (1:500), Vertical Scale (1:100), Survey Book, Contract (R-28085), Bridge File, Designation (0300429), and Sheets (42 of 101).

Date: Jan 19, 2006, 7:54am User: dlz_caduser File: M:\proj\0461\2533\bridge\signs\DWG\2533SU_1&D01P.dwg



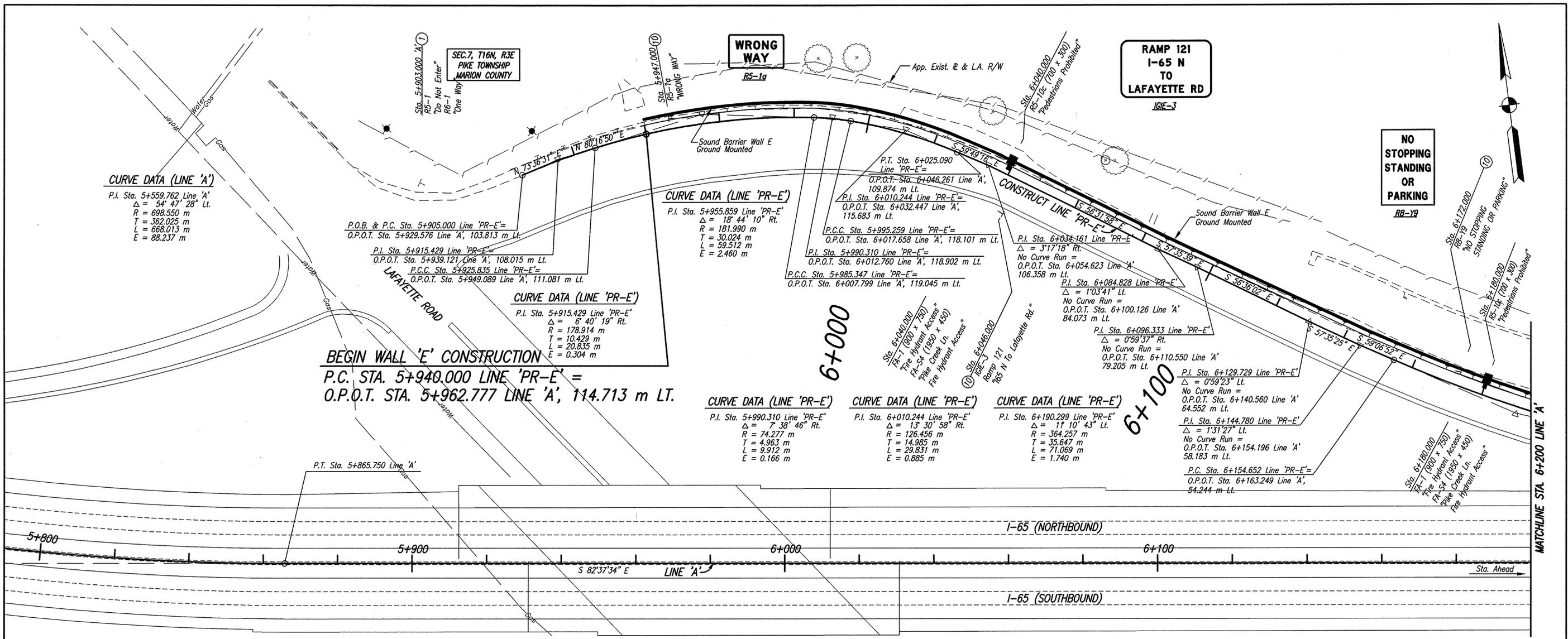
RECOMMENDED FOR APPROVAL	<i>B. K. Arterberry</i> 1/19/06	DESIGN ENGINEER	DATE
DESIGNED:	QA	DRAWN:	JLM/CJS
CHECKED:	BKA/MAK	CHECKED:	QA

**INDIANA
DEPARTMENT OF TRANSPORTATION**

PROPOSED SIGN PLAN

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	0300429
SURVEY BOOK	SHEETS
	43 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)

Date: Jan 19, 2016, 7:55am User: dlz_cadump File: M:\proj\0461\2433\bridge\signs\DWG\2433SLED.P.dwg



CURVE DATA (LINE 'A')
 P.I. Sta. 5+559.762 Line 'A'
 $\Delta = 54^\circ 47' 28''$ Lt.
 R = 698.550 m
 T = 362.025 m
 L = 668.013 m
 E = 88.237 m

P.O.B. & P.C. Sta. 5+905.000 Line 'PR-E'
 O.P.O.T. Sta. 5+929.576 Line 'A', 103.813 m Lt.
 P.I. Sta. 5+915.429 Line 'PR-E'
 O.P.O.T. Sta. 5+939.121 Line 'A', 108.015 m Lt.
 P.C.C. Sta. 5+925.835 Line 'PR-E'
 O.P.O.T. Sta. 5+949.089 Line 'A', 111.081 m Lt.

CURVE DATA (LINE 'PR-E')
 P.I. Sta. 5+915.429 Line 'PR-E'
 $\Delta = 6^\circ 40' 19''$ Rt.
 R = 178.914 m
 T = 10.429 m
 L = 20.835 m
 E = 0.304 m

BEGIN WALL 'E' CONSTRUCTION
 P.C. STA. 5+940.000 LINE 'PR-E' =
 O.P.O.T. STA. 5+962.777 LINE 'A', 114.713 m LT.

CURVE DATA (LINE 'PR-E')
 P.I. Sta. 5+955.859 Line 'PR-E'
 $\Delta = 18^\circ 44' 10''$ Rt.
 R = 181.990 m
 T = 30.024 m
 L = 59.512 m
 E = 2.460 m

CURVE DATA (LINE 'PR-E')
 P.I. Sta. 5+990.310 Line 'PR-E'
 $\Delta = 7^\circ 38' 46''$ Rt.
 R = 74.277 m
 T = 4.963 m
 L = 9.912 m
 E = 0.166 m

CURVE DATA (LINE 'PR-E')
 P.I. Sta. 6+010.244 Line 'PR-E'
 $\Delta = 13^\circ 30' 58''$ Rt.
 R = 126.456 m
 T = 14.985 m
 L = 29.831 m
 E = 0.885 m

CURVE DATA (LINE 'PR-E')
 P.I. Sta. 6+190.299 Line 'PR-E'
 $\Delta = 11^\circ 10' 43''$ Lt.
 R = 364.257 m
 T = 35.647 m
 L = 71.069 m
 E = 1.740 m

CURVE DATA (LINE 'PR-E')
 P.I. Sta. 6+144.780 Line 'PR-E'
 $\Delta = 1^\circ 31' 27''$ Lt.
 No Curve Run =
 O.P.O.T. Sta. 6+154.196 Line 'A'
 58.183 m Lt.
 P.C. Sta. 6+154.652 Line 'PR-E' =
 O.P.O.T. Sta. 6+163.249 Line 'A',
 54.244 m Lt.

SIGN SYMBOL LEGEND
 | Existing Ground Mounted Sheet Sign
 | Ground Mounted Sheet Sign
 ■ Flush Mounted Sign Attachment on Wall
 ■ Wall Mounted Sign Attachment

LEGEND
 (1) No Change Required To Existing Sign And Support
 (10) Existing Sheet Sign on New Supports

NOTE: ALL SIGNS ARE DESCRIBED FROM CONSTRUCT LINE 'PR-E'.



RECOMMENDED FOR APPROVAL: *B. K. Arterberry* 1/19/16
 DESIGN ENGINEER DATE
 DESIGNED: QA DRAWN: JLM/CJS
 CHECKED: BKA/MAK CHECKED: QA

INDIANA DEPARTMENT OF TRANSPORTATION
PROPOSED SIGN PLAN

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 0300429
SURVEY BOOK	SHEETS 44 of 101
CONTRACT R-28085	PROJECT IM-065-3(306)

SEC. 7, T16N, R3E
PIKE TOWNSHIP
MARION COUNTY

6+200

EXIT
45
M.P.H.
W13-2

6+300

EXIT 121
Lafayette Rd.
1620E-1

6+400

6+500



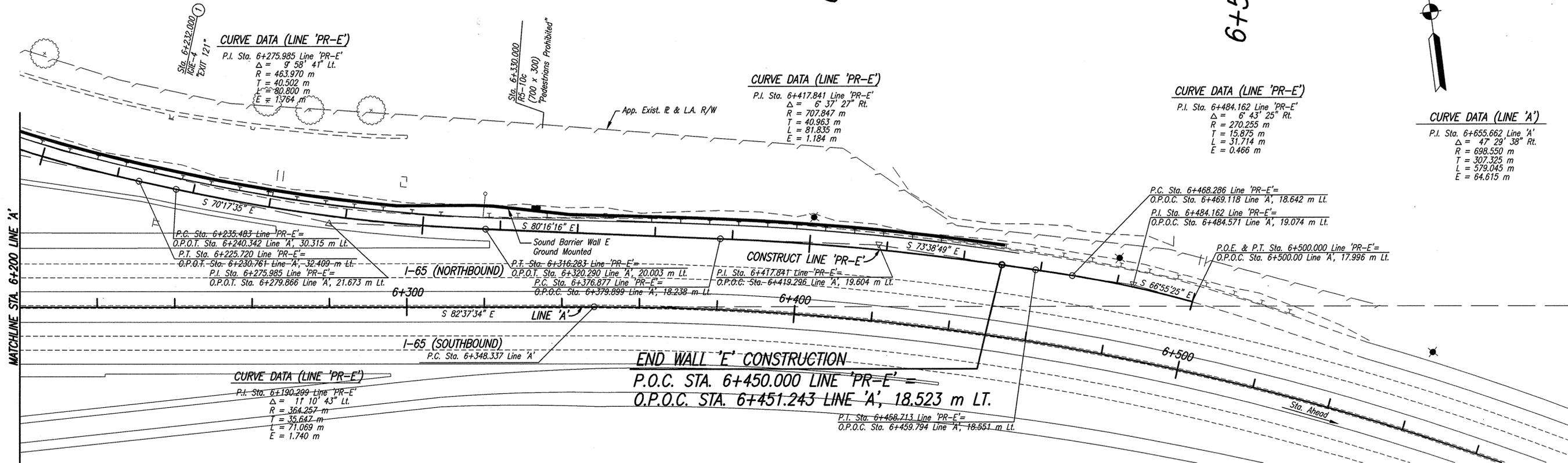
Sta. 6+232.000
1620E-1
EXIT 121
CURVE DATA (LINE 'PR-E')
P.I. Sta. 6+275.985 Line 'PR-E'
 $\Delta = 9^{\circ} 58' 41''$ Lt.
R = 463.970 m
T = 40.502 m
L = 80.800 m
E = 13.764 m

Sta. 6+330.000
1620E-1
700 x 300
"Pedestrians Prohibited"

CURVE DATA (LINE 'PR-E')
P.I. Sta. 6+417.841 Line 'PR-E'
 $\Delta = 6^{\circ} 37' 27''$ Rt.
R = 707.847 m
T = 40.963 m
L = 81.835 m
E = 1.184 m

CURVE DATA (LINE 'PR-E')
P.I. Sta. 6+484.162 Line 'PR-E'
 $\Delta = 8^{\circ} 43' 25''$ Rt.
R = 270.255 m
T = 15.875 m
L = 31.714 m
E = 0.466 m

CURVE DATA (LINE 'A')
P.I. Sta. 6+655.662 Line 'A'
 $\Delta = 47^{\circ} 29' 38''$ Rt.
R = 698.550 m
T = 307.325 m
L = 579.045 m
E = 64.615 m



SIGN SYMBOL LEGEND

- Existing Ground Mounted Panel Sign
- Existing Overhead Double Mast Arm Structure
- Ground Mounted Sheet Sign
- Flush Mounted Sign Attachment on Wall

LEGEND

- (1) No Change Required To Existing Sign And Support
- (10) Existing Sheet Sign on New Supports

Date: Jan 19, 2006, 7:55am User ID: cstumpf File: w:\proj\0461\2533\bridge\dwg\Noise Walls\IS to Cold Springs\Signs\DWG\2533SLE01P.dwg

NOTE: ALL SIGNS ARE DESCRIBED FROM CONSTRUCT LINE 'PR-E'.



RECOMMENDED FOR APPROVAL: *Brian K. Arterberry* 1/19/06
DESIGN ENGINEER DATE

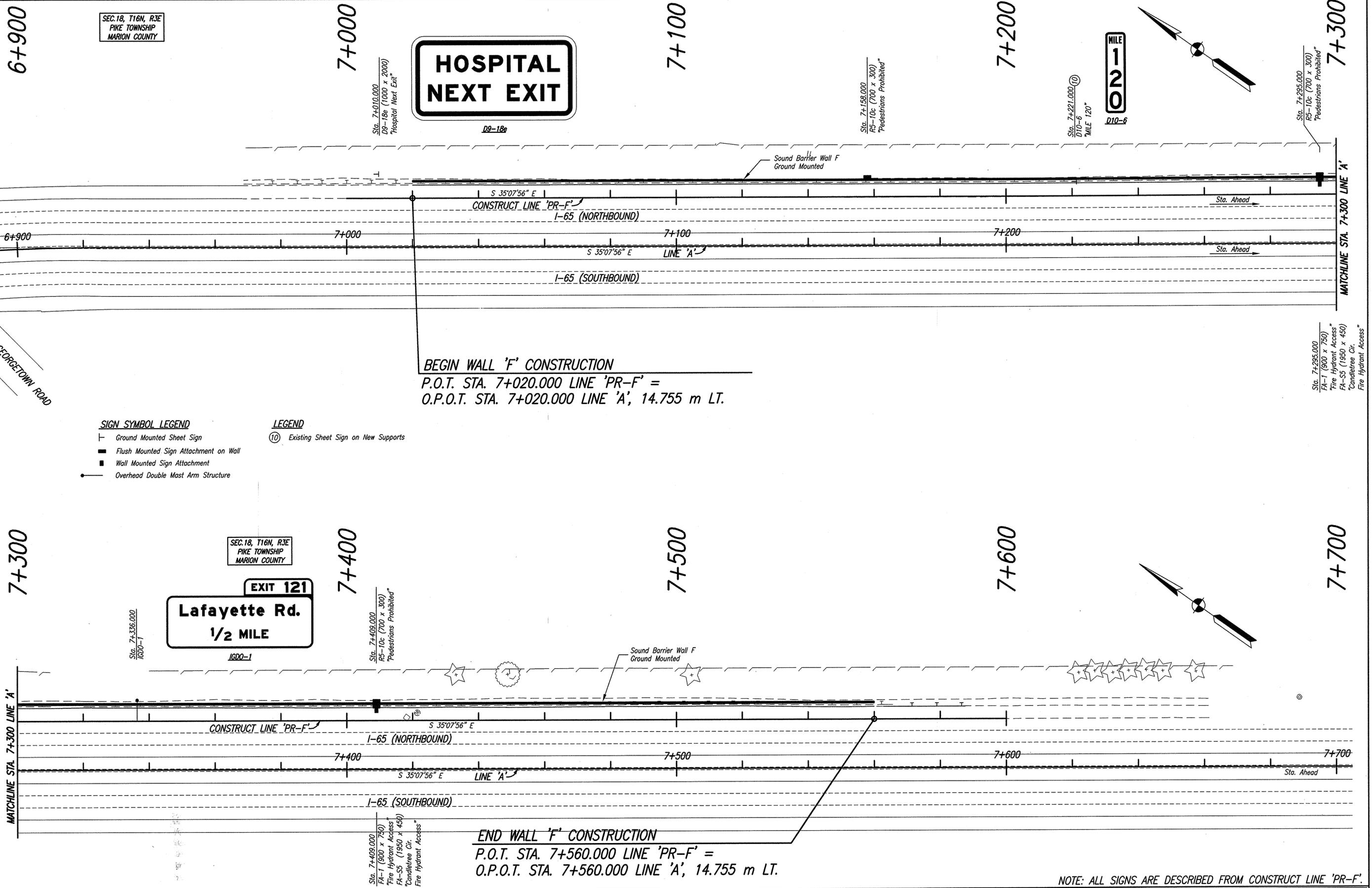
DESIGNED: QA DRAWN: JLM/CJS
CHECKED: BKA/MAK CHECKED: QA

INDIANA
DEPARTMENT OF TRANSPORTATION

PROPOSED SIGN PLAN

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 0300429
SURVEY BOOK	SHEETS 45 of 101
CONTRACT R-28085	PROJECT IM-065-3(306)

Date: Jan 19, 2006, 7:55am User: ID: calumpf
 File: M:\proj\0461\2632\bridge\dwg\Noise Walls\I65 to Cold Springs\SIGNS\DWG\2632SI1E01P.dwg



- SIGN SYMBOL LEGEND**
- └ Ground Mounted Sheet Sign
 - Flush Mounted Sign Attachment on Wall
 - Wall Mounted Sign Attachment
 - Overhead Double Mast Arm Structure

- LEGEND**
- ⊙ Existing Sheet Sign on New Supports

**HOSPITAL
NEXT EXIT**

D9-18a

EXIT 121
Lafayette Rd.
1/2 MILE

IGDO-1

BEGIN WALL 'F' CONSTRUCTION
 P.O.T. STA. 7+020.000 LINE 'PR-F' =
 O.P.O.T. STA. 7+020.000 LINE 'A', 14.755 m LT.

END WALL 'F' CONSTRUCTION
 P.O.T. STA. 7+560.000 LINE 'PR-F' =
 O.P.O.T. STA. 7+560.000 LINE 'A', 14.755 m LT.

NOTE: ALL SIGNS ARE DESCRIBED FROM CONSTRUCT LINE 'PR-F'.

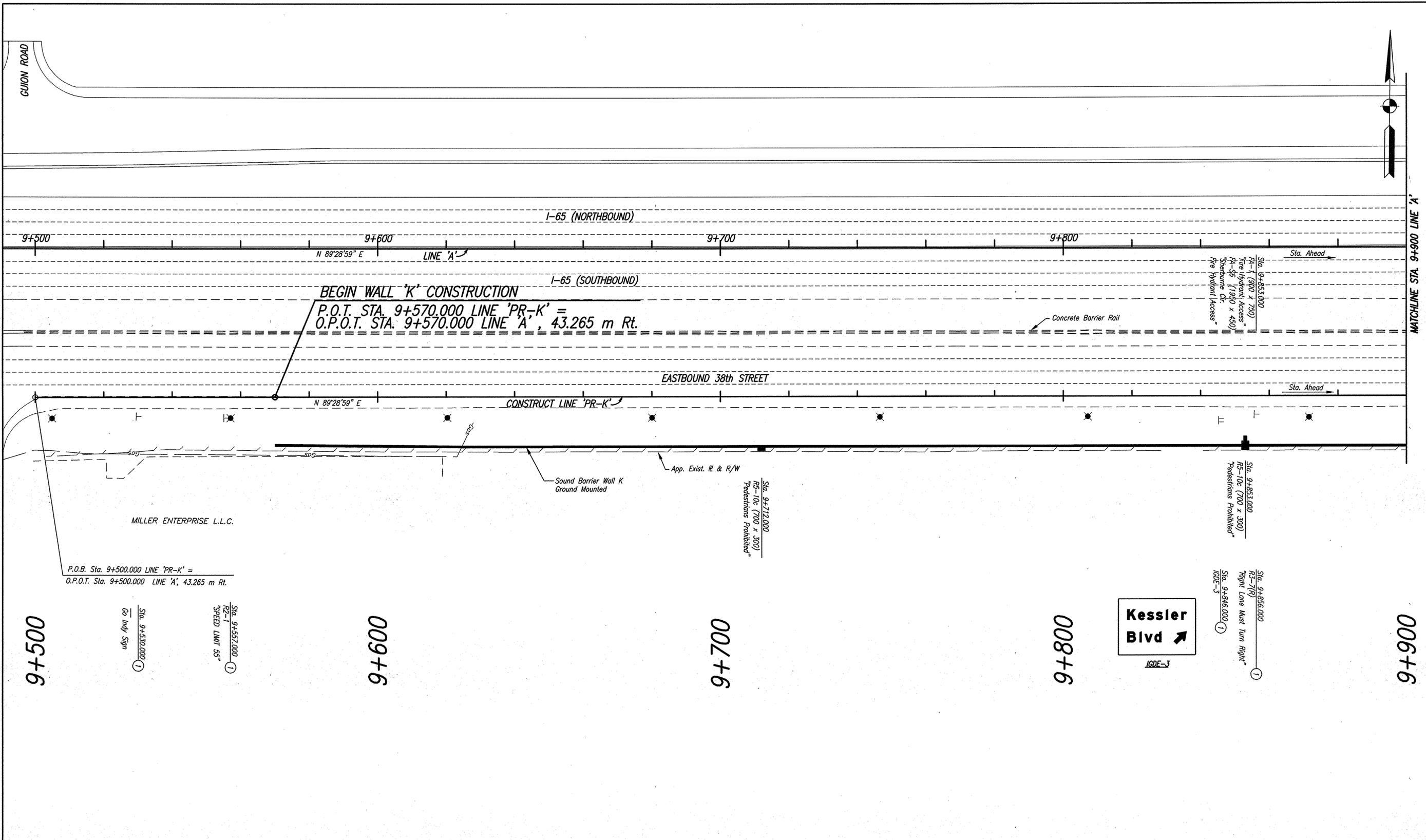


RECOMMENDED FOR APPROVAL	<i>B. K. Arterberry</i> 1/19/06	DESIGN ENGINEER	DATE
DESIGNED:	QA	DRAWN:	JLM/CJS
CHECKED:	BKA/MAK	CHECKED:	QA

**INDIANA
DEPARTMENT OF TRANSPORTATION**

PROPOSED SIGN PLAN

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	0300429
SURVEY BOOK	SHEETS
	46 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)



SIGN SYMBOL LEGEND

- Existing Ground Mounted Sheet Sign
- Existing Ground Mounted Panel Sign
- Existing Light Pole Mounted Sheet Sign
- Flush Mounted Sign Attachment on Wall
- Wall Mounted Sign Attachment

LEGEND

- ① No Change Required To Existing Sign And Support

NOTE: ALL SIGNS ARE DESCRIBED FROM CONSTRUCT LINE 'PR-K'.

Date: Jan 19, 2006, 7:55am User: ID: eahmpf File: M:\proj\046\2653\bridge\dwg\Noise Walls\65 to Cold Springs\SIGNS\DWG\23333LK01P.dwg



RECOMMENDED FOR APPROVAL	<i>B. K. Arterberry</i> 1/19/06	DESIGN ENGINEER	DATE
DESIGNED:	QA	DRAWN:	JLM/CJS
CHECKED:	BKA/MAK	CHECKED:	QA

INDIANA
DEPARTMENT OF TRANSPORTATION

PROPOSED SIGN PLAN

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	0300429
SURVEY BOOK	SHEETS
	47 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)

MATCHLINE STA. 9+900 LINE 'A'

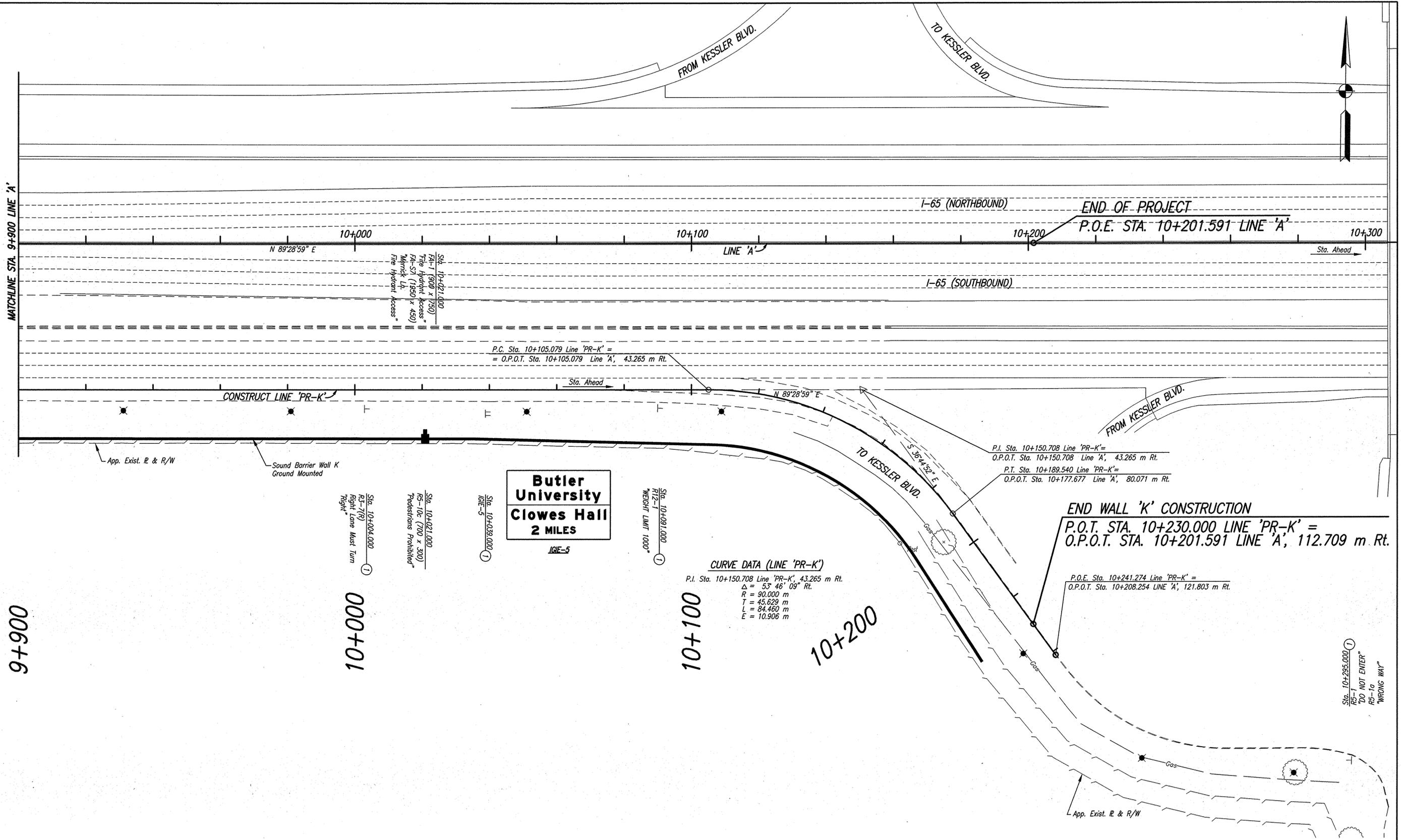
9+900

10+000

10+100

10+200

10+300



Butler University
Clowes Hall
2 MILES

CURVE DATA (LINE 'PR-K')
 P.I. Sta. 10+150.708 Line 'PR-K', 43.265 m Rt.
 $\Delta = 53^\circ 46' 09''$ Rt.
 R = 90.000 m
 T = 45.629 m
 L = 84.460 m
 E = 10.906 m

END WALL 'K' CONSTRUCTION
 P.O.T. STA. 10+230.000 LINE 'PR-K' =
 O.P.O.T. STA. 10+201.591 LINE 'A', 112.709 m Rt.

- SIGN SYMBOL LEGEND**
- T Existing Ground Mounted Sheet Sign
 - T Existing Ground Mounted Panel Sign
 - Flush Mounted Sign Attachment on Wall
 - Wall Mounted Sign Attachment

- LEGEND**
- ① No Change Required To Existing Sign And Support

NOTE: ALL SIGNS ARE DESCRIBED FROM CONSTRUCT LINE 'PR-K'.

Date: Jan 19, 2006, 7:55am User: ID: cslumpf
 File: M:\proj\0461\2832\bridge\dwg\Noise Walls\65 to Cold Springs\SIGNS\DWG\2832SLK01P.dwg



RECOMMENDED FOR APPROVAL	<i>B. K. Arterberry</i> 1/19/06 DESIGN ENGINEER DATE	
DESIGNED: QA	DRAWN: JLM/CJS	
CHECKED: BKA/MAK	CHECKED: QA	

INDIANA DEPARTMENT OF TRANSPORTATION

PROPOSED SIGN PLAN

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 0300429
SURVEY BOOK	SHEETS 48 of 101
CONTRACT R-28085	PROJECT IM-065-3(3C6)

SHEET SIGN AND POST SUMMARY

PLAN SHEET NO. / LINE	SIGN LOCATION (STA.)	SIGN CODE	SIGN SIZE (mm x mm)	ENCAPSULATED LENS METAL THICKNESS			NO. OF SIGNS EACH	SHEET SUB-AREA OF SIGNS			TYPE 'A' POSTS m	FLUSH MOUNTED EACH	WALL MOUNTED EACH	MOUNTING HEIGHT EACH
				2.03 m ²	2.54 m ²	3.18 m ²		2.03 m ²	2.54 m ²	3.18 m ²				
LINE 'PR-U'														
	4+648, Rt.	R5-10c	700 x 300	0.21			1	0.21				1		
	4+648, Rt.	FA-1	900 x 750		0.68		4	2.72	2.72		6		2	
	4+648, Rt.	FA-S1	1950 x 450			0.88	2	1.76		1.76		2		
	4+895, Rt.	R5-10c	700 x 300	0.21			1	0.21				1		
	4+895, Rt.	FA-1	900 x 750		0.68		4	2.72	2.72		6		2	
	4+895, Rt.	FA-S2	2100 x 450			0.88	2	1.76		1.76		2		
	5+344, Rt.	R5-10c	700 x 300	0.21			1	0.21				1		
	5+344, Rt.	FA-1	900 x 750		0.68		4	2.72	2.72		6		2	
	5+344, Rt.	FA-S3	1950 x 450			0.88	2	1.76		1.76		2		
	5+540, Rt.	R5-10c	700 x 300	0.21			1	0.21				1		
	5+740, Rt.	R5-10c	700 x 300	0.21			1	0.21				1		
LINE 'PR-D'														
	5+565, Lt.	R5-10c	700 x 300	0.21			1	0.21				1		
LINE 'PR-E'														
	6+040, Lt.	R5-10c	700 x 300	0.21			1	0.21				1		
	6+040, Lt.	FA-1	900 x 750		0.68		4	2.72	2.72		6		2	
	6+040, Lt.	FA-S4	1950 x 450			0.88	2	1.76		1.76		2		
	6+180, Lt.	R5-10c	700 x 300	0.21			1	0.21				1		
	6+180, Lt.	FA-1	900 x 750		0.68		4	2.72	2.72		6		2	
	6+180, Lt.	FA-S4	1950 x 450			0.88	2	1.76		1.76		2		
	6+330, Lt.	R5-10c	700 x 300	0.21			1	0.21				1		
LINE 'PR-F'														
	7+158, Lt.	R5-10c	700 x 300	0.21			1	0.21				1		
	7+295, Lt.	R5-10c	700 x 300	0.21			1	0.21				1		
	7+295, Lt.	FA-1	900 x 750		0.68		4	2.72	2.72		6		2 4.572	
	7+295, Lt.	FA-S5	1950 x 450			0.88	2	1.76		1.76		2		
	7+409, Lt.	R5-10c	700 x 300	0.21			1	0.21				1		
	7+409, Lt.	FA-1	900 x 750		0.68		4	2.72	2.72		6		2 4.572	
	7+409, Lt.	FA-S5	1950 x 450			0.88	2	1.76		1.76		2		
SUB-TOTAL				2.52	4.76	6.16	33.88	2.52	19.04	12.32	42	26	14	

SHEET SIGN AND POST SUMMARY

PLAN SHEET NO. / LINE	SIGN LOCATION (STA.)	SIGN CODE	SIGN SIZE (mm x mm)	ENCAPSULATED LENS METAL THICKNESS			NO. OF SIGNS EACH	SHEET SUB-AREA OF SIGNS			TYPE 'A' POSTS m	FLUSH MOUNTED EACH	WALL MOUNTED EACH	MOUNTING HEIGHT EACH
				2.03 m ²	2.54 m ²	3.18 m ²		2.03 m ²	2.54 m ²	3.18 m ²				
LINE 'PR-K'														
	9+712, Rt.	R5-10c	700 x 300	0.21			1	0.21				1		
	9+853, Rt.	R5-10c	700 x 300	0.21			1	0.21				1		
	9+853, Rt.	FA-1	900 x 750		0.68		4		2.72		6		2	
	9+853, Rt.	FA-S6	1950 x 450			0.88	2			1.76		2		
	10+021, Rt.	R5-10c	700 x 300	0.21			1	0.21				1		
	10+021, Rt.	FA-1	900 x 750		0.68		4		2.72		6		2	
	10+021, Rt.	FA-S7	1950 x 450			0.88	2			1.76		2		
SUB-TOTAL FROM OTHER TABLE				2.52	4.76	6.16	33.88	2.52	19.04	12.32	42	26	14	
SUB-TOTAL THIS TABLE				0.63	1.36	1.76	0.89	0.63	5.44	3.52	12	7	4	
TOTAL				3.15	6.12	7.92	44.77	3.15	24.48	15.84	54	33	18	

Date: Mar 09, 2006, 9:03am User ID: dhoover File: M:\proj\0481\553\Bridges\Noise Walls\IS to Cold Springs\SIGNS\DWG\2533R11.DWG

2-13-06 BKA Plan Revisions



RECOMMENDED FOR APPROVAL: *B. K. Arterberry* 5/2/06
 DESIGN ENGINEER DATE
 DESIGNED: ERW DRAWN: JLM/CJS
 CHECKED: BKA CHECKED: ERW

INDIANA DEPARTMENT OF TRANSPORTATION

SHEET SIGN AND POST SUMMARY

HORIZONTAL SCALE NOT TO SCALE	BRIDGE FILE
VERTICAL SCALE NOT TO SCALE	DESIGNATION 0300429
SURVEY BOOK	SHEETS 52-A of 101
CONTRACT R-28085	PROJECT IM-065-3(306)

PANEL SIGN TABLE

EXIT NO.	LOCATION (STA.)	SIGN CODE	SIGN SIZE (mm x mm)	SIGN SUMMARY		POST LENGTH (m)						W6 x 9		W8 x 10		W8 X 13		W8 X 15		W8 X 18		W10 X 19		B POST LENGTH (m)	
						POST 1		POST 2		POST 3		STEEL (kg)	CONC. (m ³)	STEEL (kg)	CONC. (m ³)	STEEL (kg)	CONC. (m ³)	STEEL (kg)	CONC. (m ³)	STEEL (kg)	CONC. (m ³)	STEEL (kg)	CONC. (m ³)		
				POST LENGTH	STUB LENGTH	POST LENGTH	STUB LENGTH	POST LENGTH	STUB LENGTH																
	<i>LINE 'PR-F'</i>																								
	7+336.000	IG00-1	5185 x 1830 2440 x 610	9.49 1.49		ON CANTILEVER STRUCTURE ON SIGN ABOVE																			
				TOTALS	10.98																				

Date: Jan 19, 2006, 7:56am User: ID: estumpf File: M:\proj\0461\2553\bridge\dwg\Noise Walls\05 to Cold Springs\SIGNS\DWG\2553PST1.DWG



RECOMMENDED FOR APPROVAL *Brian K. Arterberry* 1/19/06
 DESIGN ENGINEER DATE

DESIGNED: QA DRAWN: TH
 CHECKED: BKA CHECKED: QA

INDIANA
DEPARTMENT OF TRANSPORTATION

PANEL SIGN TABLE AND SUMMARY

HORIZONTAL SCALE	BRIDGE FILE
NOT TO SCALE	
VERTICAL SCALE	DESIGNATION
NOT TO SCALE	0300429
SURVEY BOOK	SHEETS
	53 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)

PAVED SIDE DITCH, RIPRAP DITCH AND SODDING SUMMARY TABLE

LOCATION		PAVED SIDE DITCH					RIPRAP DITCH			SODDING					PAVED SIDE DITCH TURNOUTS	NURSERY SODDING FOR LAWNS
FROM STATION	TO STATION	ACTUAL LENGTH	CUT OFF WALLS 2.5 m EQUIV. LENGTH EACH	LUGS 2.5 m EQUIV. LENGTH EACH	TOTAL EQUIVALENT PAY LENGTHS TYPE	REVETMENT RIPRAP	UNIFORM RIPRAP	GEOTEXTILES	FOR PAVED SIDE DITCH	FOR DITCHES	FOR MEDIAN	FOR SHOULDER BREAK	SODDING AT BRIDGE CONE			
														LEFT			MEDIAN	RIGHT
LINE 'PR-U'																
5+120.000	5+172.834	52.834	5.0	2.5	60.334				21.1							
5+195.967	5+270.000	74.033	5.0	5.0	84.033				29.6					1		
LINE 'PR-K'																
9+570.000	9+647.716	77.716	5.0	17.5	100.216				31.1					1		
9+759.360	10+030.000	270.640	5.0	40.0	315.640				108.3							
10+091.714	10+230.000	138.286	5.0	20.0	163.286				55.3					1		
LINE 'PR-J'																
5+390	5+390					4.8		22.7								
5+480	5+480					3.5		16.8								
5+535	5+535					3.5		16.8								
5+625	5+625					7.1		32.6								
5+715	5+715					7.6		34.4								
5+760	5+760					6.0		27.5								
5+805	5+805					6.0		27.7								
5+851.428	5+851.428					7.9		35.9								
LINE 'PR-D'																
5+500	5+500					3.9		18.5								
5+525	5+525					4.6		21.4								
5+570	5+570					4.0		18.9								
5+615	5+615					4.0		19.1								
LINE 'PR-E'																
5+937.591	5+937.591					2.9		14.5								
6+054	6+054					3.6		17.2								
6+195	6+195					7.1		32.3								
6+240	6+240					7.4		33.8								
6+285	6+285					8.5		38.2								
6+320	6+320					9.5		42.8								
6+453.848	6+453.848					2.2		11.3								
LINE 'PR-F'																
7+065	7+065					5.6		26.0								
7+110	7+110					4.4		20.8								
7+155	7+155					4.2		20.0								
7+200	7+200					4.4		20.6								
7+245	7+245					4.9		22.9								
7+290	7+290					4.9		22.9								
7+335	7+335					4.9		22.9								
7+380	7+380					4.7		22.1								
7+425	7+425					4.9		22.9								
7+470	7+470					4.5		21.2								
7+515	7+515					3.7		17.6								
7+561.878	7+561.878					3.7		17.6								
TOTALS		613.509	25.0	85.0	723.509	158.9		740.0	245.4					3		

CURB TURNOUT TABLE

STATION	CURB TURNOUT EACH	LOCATION			INTERCEPTION DITCH LENGTH
		LEFT	MEDIAN	RIGHT	
LINE 'PR-U'					
5+390	1				9.9
5+480	1				7.1
5+535	1				7.1
5+625	1				14.6
5+715	1				15.5
5+760	1				12.2
5+805	1				12.3
5+851.428	1				16.2
LINE 'PR-D'					
5+500	1				7.9
5+525	1				9.3
5+570	1				8.1
5+615	1				8.2
LINE 'PR-E'					
5+937.591	1				6.0
6+054	1				7.3
6+195	1				14.5
6+240	1				15.2
6+285	1				17.3
6+320	1				19.5
6+453.848	1				4.5
LINE 'PR-F'					
7+065	1				11.5
7+110	1				9.0
7+155	1				8.6
7+200	1				8.9
7+245	1				10.0
7+290	1				10.0
7+335	1				10.0
7+380	1				9.6
7+425	1				10.0
7+470	1				9.2
7+515	1				7.5
7+561.878	1				7.5
TOTALS	31				324.5

CONCRETE CURB TABLE

FROM STATION	TO STATION	LOCATION		LENGTH
		LEFT	RIGHT	
LINE 'PR-U'				
5+225.000	5+852.000			627.000
LINE 'PR-D'				
5+460.000	5+670.000			210.000
LINE 'PR-E'				
5+937.000	6+454.000			517.000
LINE 'PR-F'				
7+020.000	7+562.000			542.000
TOTALS				1896.000

ACCESS DOOR TABLE*

STATION	LOCATION		HYDRANT ACCESS DOOR	MAINTENANCE DOOR
	LEFT	RIGHT		
LINE 'PR-U'				
4+648.000				
4+895.000				
5+344.000				
5+540.000				
5+740.000				
LINE 'PR-D'				
5+565.000				
LINE 'PR-E'				
6+040.000				
6+180.000				
6+330.000				
LINE 'PR-F'				
7+158.000				
7+295.000				
7+409.000				
LINE 'PR-K'				
9+712.000				
9+853.000				
10+021.000				
TOTALS			9	6

* Note: For corresponding access signage see traffic signing plans.

Date: Jan 19, 2006, 7:56am User: dr. caturmpf
 File: MA:\proj\0461\2533\bridge\cwg\Noise\Wallis\06 to Cold Springs\2533NWS11.dwg



RECOMMENDED FOR APPROVAL *Michael A. Kummeth* 1/19/06 DATE
 DESIGN ENGINEER
 DESIGNED: ERW DRAWN: JLM/CJS
 CHECKED: BKA CHECKED: ERW

INDIANA DEPARTMENT OF TRANSPORTATION

I-65 SOUND BARRIER WALL MISCELLANEOUS TABLES

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	0300429
SURVEY BOOK	SHEETS
ELECTRONIC CONTRACT	55 of 101
R-28085	PROJECT
	IM-065-3(306)

EROSION CONTROL

LOCATION			TEMP. SILT FENCE	DRAINAGE BARRIER AT SWALE	INTERCEPTOR DITCH	SLOPE DRAIN	TEMP. CHECK DAM STRAW BALES	TEMP. CHECK DAM RIPRAP	SEDIMENT TRAP	SEDIMENT BASIN	CULVERT PIPE PROTECTION	DROP INLET PROTECTION	DITCH INLET PROTECTION
STATION TO STATION	LEFT	MEDIAN	RIGHT	m	m	m	m	Mg	m ³	m ³	EACH	EACH	EACH
LINE 'PR-U'													
4+870	5+060						12.0						
5+120													1
5+140	5+240						5.0						
5+172.834													1
5+240	5+490							9.0					
5+493	5+740			251									
5+740	5+857						7.0						
5+857	5+873			19									
LINE 'PR-D'													
5+434	5+479			47									
5+480	5+660							12.0					
5+660	5+730			76									
LINE 'PR-E'													
5+934	6+102			179									
6+105	6+285							15					
6+285	6+320						6.0						
6+320	6+458			143									
TOTAL				715			30.0	36.0					2

LOCATION			TEMP. SILT FENCE	DRAINAGE BARRIER AT SWALE	INTERCEPTOR DITCH	SLOPE DRAIN	TEMP. CHECK DAM STRAW BALES	TEMP. CHECK DAM RIPRAP	SEDIMENT TRAP	SEDIMENT BASIN	CULVERT PIPE PROTECTION	DROP INLET PROTECTION	DITCH INLET PROTECTION
STATION TO STATION	LEFT	MEDIAN	RIGHT	m	m	m	m	Mg	m ³	m ³	EACH	EACH	EACH
LINE 'PR-F'													
7+020	7+564			550									
LINE 'PR-K'													
9+640													1
9+660	9+718			58									
9+780													1
9+840													1
9+920	10+180						12.0						
9+920.399													1
10+030													1
10+110.848													1
10+184.743													1
10+203.395													1
10+211	10+236			26									
TOTAL THIS SIDE				634			12.0	0.0					8
TOTAL OTHER SIDE				715			30.0	36.0					2
TOTAL THIS SHEET				1,349			42.0	36.0					10

Date: Jan 19, 2006, 8:12am User: DLZ\dlz\dlz File: C:\Documents and Settings\dlz\Local Settings\Temp\B0101_2944\2533NWE05.dwg



RECOMMENDED FOR APPROVAL: *Brian K. Arterberry* 1/19/06
 DESIGN ENGINEER DATE
 DESIGNED: ERW DRAWN: JLM/CJS
 CHECKED: BKA CHECKED: MDD

INDIANA DEPARTMENT OF TRANSPORTATION

I-65 SOUND BARRIER WALL EROSION CONTROL TABLE

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	0300429
SURVEY BOOK	SHEETS
ELECTRONIC	57 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)

PIPE MATERIAL SHEET

		STRUCTURE NUMBER									
		10	11	12	13	14	15	16	17	18	19
PIPE TYPE/ SHAPE		2	2	2	2	2	2	2	2	2	2
SMOOTH PIPE SIZE (MM)		300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0
CORRUGATED PIPE SIZE (MM)											
RCP/ RCHEP (S)	CLASS	II	III	II	II	II	II	II	II	II	II
	D 0.3 RATING	50.0	75.0	60.0	60.0	60.0	60.0	50.0	50.0	50.0	50.0
NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)		.	.	.	.	.	.	.	.	.	.
CORRUGATED PE PIPE, TYPE S (S)*											
RIBBED PE PIPE (S)*											
SMOOTH WALL PE PIPE (S)* / MAXIMUM DR											
PROFILE WALL PVC PIPE (S)											
SMOOTH WALL PVC PIPE (S)*											
VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)		.	.	.	.	.	.	.	.	.	.
CORRUGATED STEEL PIPE / PIPE-ARCH	FULLY BIT. PAVED & LINED (S)										
		CORR. PROFILE (MM)									
	THICKNESS (MM)										
FULLY BIT. PAVED & LINED (S)		CORR. PROFILE (MM)									
		THICKNESS (MM)									
ZINC COATED W/ BPI (C)		CORR. PROFILE (MM)									
		THICKNESS (MM)									
ALUM. COATED TYPE 2 (C)		CORR. PROFILE (MM)									
		THICKNESS (MM)									
ALUM. COATED TYPE 2 W/ BPI (C)		CORR. PROFILE (MM)									
		THICKNESS (MM)									
POLYMER PRECOATED GALVANIZED (C)		CORR. PROFILE (MM)									
		THICKNESS (MM)									
POLYMER PRECOATED GALVANIZED W/ BPI (C)		CORR. PROFILE (MM)									
		THICKNESS (MM)									
FIBER BONDED BITUMINOUS COATED (C)		CORR. PROFILE (MM)									
		THICKNESS (MM)									
FIBER BONDED BITUMINOUS COATED W/ BPI (C)		CORR. PROFILE (MM)									
		THICKNESS (MM)									
CORRUGATED ALUM. ALLOY PIPE (C)		CORR. PROFILE (MM)									
		THICKNESS (MM)									
CORRUGATED ALUM. ALLOY PIPE W/ BPI (C)		CORR. PROFILE (MM)									
		THICKNESS (MM)									
STR. PLATE ALUMINUM ALLOY PIPE (C)		CORR. PROFILE (MM)									
		THICKNESS (MM)									
STR. PLATE ALUMINUM ALLOY PIPE W/ CFP (C)		CORR. PROFILE (MM)									
		THICKNESS (MM)									
STR. PLATE STEEL PIPE (C)		CORR. PROFILE (MM)									
		THICKNESS ** (MM)									
STR. PLATE STEEL PIPE W/ CFP (C)		CORR. PROFILE (MM)									
		THICKNESS ** (MM)									

		STRUCTURE NUMBER									
PIPE TYPE/ SHAPE											
SMOOTH PIPE SIZE (MM)											
CORRUGATED PIPE SIZE											
RCP/ RCHEP (S)	CLASS										
	D 0.3 RATING										
NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)											
CORRUGATED PE PIPE, TYPE S (S)*											
RIBBED PE PIPE (S)*											
SMOOTH WALL PE PIPE (S)* / MAXIMUM DR											
PROFILE WALL PVC PIPE (S)											
SMOOTH WALL PVC PIPE (S)*											
VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)											
CORRUGATED STEEL PIPE / PIPE-ARCH	FULLY BIT. PAVED & LINED (S)										
		CORR. PROFILE (MM)									
	THICKNESS (MM)										
FULLY BIT. PAVED & LINED (S)		CORR. PROFILE (MM)									
		THICKNESS (MM)									
ZINC COATED W/ BPI (C)		CORR. PROFILE (MM)									
		THICKNESS (MM)									
ALUM. COATED TYPE 2 (C)		CORR. PROFILE (MM)									
		THICKNESS (MM)									
ALUM. COATED TYPE 2 W/ BPI (C)		CORR. PROFILE (MM)									
		THICKNESS (MM)									
POLYMER PRECOATED GALVANIZED (C)		CORR. PROFILE (MM)									
		THICKNESS (MM)									
POLYMER PRECOATED GALVANIZED W/ BPI (C)		CORR. PROFILE (MM)									
		THICKNESS (MM)									
FIBER BONDED BITUMINOUS COATED (C)		CORR. PROFILE (MM)									
		THICKNESS (MM)									
FIBER BONDED BITUMINOUS COATED W/ BPI (C)		CORR. PROFILE (MM)									
		THICKNESS (MM)									
CORRUGATED ALUM. ALLOY PIPE (C)		CORR. PROFILE (MM)									
		THICKNESS (MM)									
CORRUGATED ALUM. ALLOY PIPE W/ BPI (C)		CORR. PROFILE (MM)									
		THICKNESS (MM)									
STR. PLATE ALUMINUM ALLOY PIPE (C)		CORR. PROFILE (MM)									
		THICKNESS (MM)									
STR. PLATE ALUMINUM ALLOY PIPE W/ CFP (C)		CORR. PROFILE (MM)									
		THICKNESS (MM)									
STR. PLATE STEEL PIPE (C)		CORR. PROFILE (MM)									
		THICKNESS ** (MM)									
STR. PLATE STEEL PIPE W/ CFP (C)		CORR. PROFILE (MM)									
		THICKNESS ** (MM)									

LEGEND

- RCP- REINFORCED CONCRETE PIPE
- RCHEP- REINFORCED CONCRETE HORIZONTAL ELLIPTICAL PIPE
- PE- POLYETHYLENE
- DR- DIMENSION RATION
- PVC- POLYVINYL CHLORIDE
- BIT- BITUMINOUS
- CORR- CORRUGATION
- BPI- BITUMINOUS PAVED INVERT
- ALUM- ALUMINUM
- STR- STRUCTURAL
- CFP- CONCRETE FIELD PAVING
- CIR- CIRCULAR PIPE
- DEF- DEFORMED PIPE
- (S)- SMOOTH PIPE MATERIAL
- (C)- CORRUGATED PIPE MATERIAL
- OK- ACCEPTABLE FOR USE
- (LS)- LOCK SEAM PIPE REQUIRED
- *- REFER TO STANDARD DRAWING 715-PHCL-18 OR 19 FOR NOMINAL DIAMETER APPROPRIATE FOR PAY ITEM DIAMETER
- ** - TABULATED THICKNESS REFERS TO TOP & SIDE PLATES. BOTTOM PLATES SHALL BE OF NEXT GREATER AVAILABLE THICKNESS.

Date: Jan 19, 2006, 8:52am User: ID: cslumpf File: C:\Documents and Settings\cslumpf\Local Settings\Temp\BOPor_294A\253P101.dwg



RECOMMENDED FOR APPROVAL *B. K. Arterberry* 1/19/06
DESIGN ENGINEER DATE

DESIGNED: SCO DRAWN: JM/CS
CHECKED: BKA CHECKED: MAK

INDIANA DEPARTMENT OF TRANSPORTATION

I-65 SOUND BARRIER WALL PIPE MATERIAL SHEET

HORIZONTAL SCALE	BRIDGE FILE
1:100	
VERTICAL SCALE	DESIGNATION
1:100	0300429
SURVEY BOOK	SHEETS
ELECTRONIC	59 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)

SEC. 7, T16N, R3E
PIKE TOWNSHIP
MARION COUNTY

KEY NOTES:
 ① +240 Curb Turnout and 15.2 m of Interceptor Ditch Req'd. See Detail on Sheet 32

CURVE DATA (WALL E)

P.I. Sta. 6+264.164 Line 'PR-E', 3.621 m Lt.
 $\Delta = 7^{\circ} 04' 21''$ Lt.
 R = 459.470 m
 T = 28.394 m
 L = 56.717 m
 E = 0.877 m

CURVE DATA (WALL E)

P.I. Sta. 6+413.356 Line 'PR-E', 6.046 m Lt.
 $\Delta = 5^{\circ} 55' 55''$ Rt.
 R = 712.947 m
 T = 36.940 m
 L = 73.813 m
 E = 0.956 m

CURVE DATA (LINE 'PR-E')

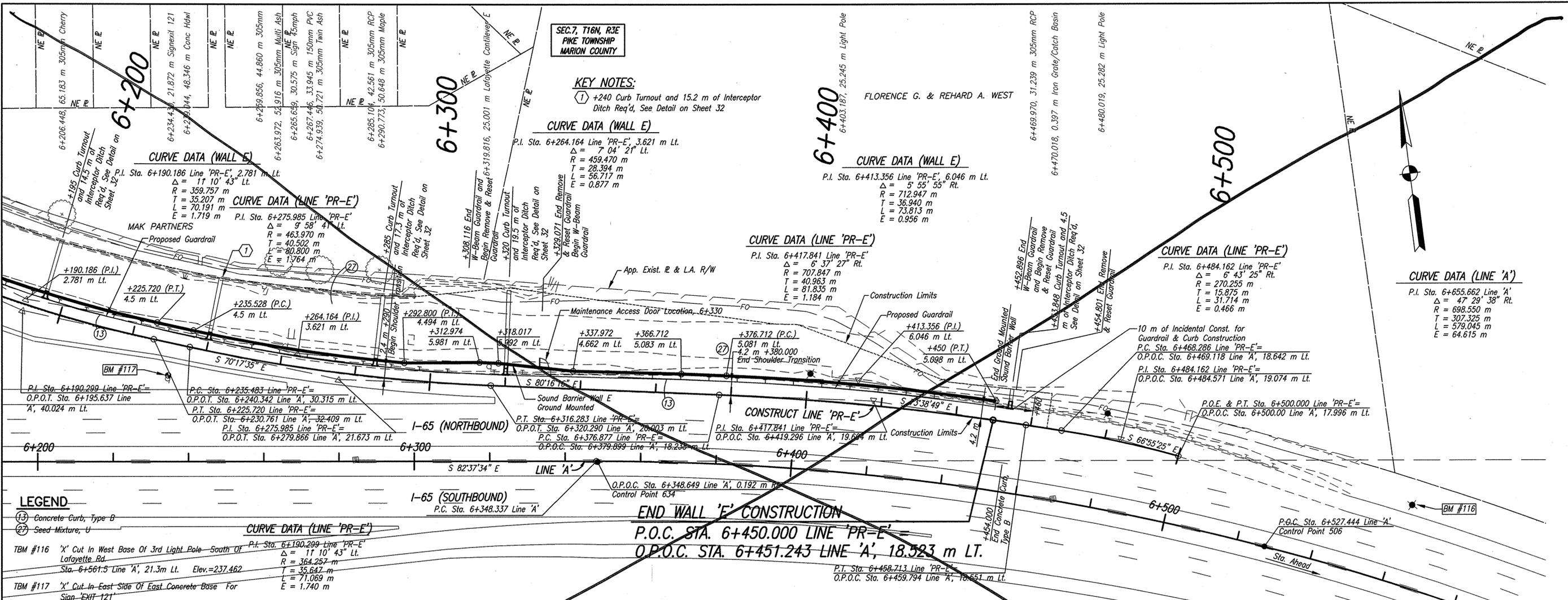
P.I. Sta. 6+417.841 Line 'PR-E', 5.091 m Lt.
 $\Delta = 5^{\circ} 37' 27''$ Rt.
 R = 707.847 m
 T = 40.963 m
 L = 61.835 m
 E = 1.184 m

CURVE DATA (LINE 'PR-E')

P.I. Sta. 6+484.162 Line 'PR-E', 18.642 m Lt.
 $\Delta = 6^{\circ} 43' 25''$ Rt.
 R = 270.255 m
 T = 15.875 m
 L = 31.714 m
 E = 0.466 m

CURVE DATA (LINE 'A')

P.I. Sta. 6+655.662 Line 'A', 18.642 m Lt.
 $\Delta = 47^{\circ} 29' 38''$ Rt.
 R = 698.550 m
 T = 307.325 m
 L = 579.045 m
 E = 64.615 m



LEGEND

- ⑬ Concrete Curb, Type B
- ⑰ Seed Mixture, U

TBM #116 'X' Cut In West Base Of 3rd Light Pole - South Of Lafayette Rd.
 Sta. 6+561.5 Line 'A', 21.3m Lt. Elev.=237.462
 T = 33.647 m
 L = 71.069 m
 E = 1.740 m

TBM #117 'X' Cut In East Side Of East Concrete Base For Sign 'EXIT 121'
 Sta. 6+234.6 Line 'A', 22.8m Lt. Elev.=242.064

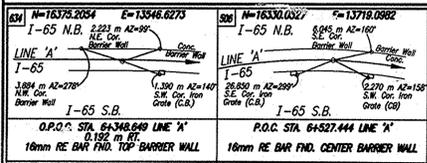
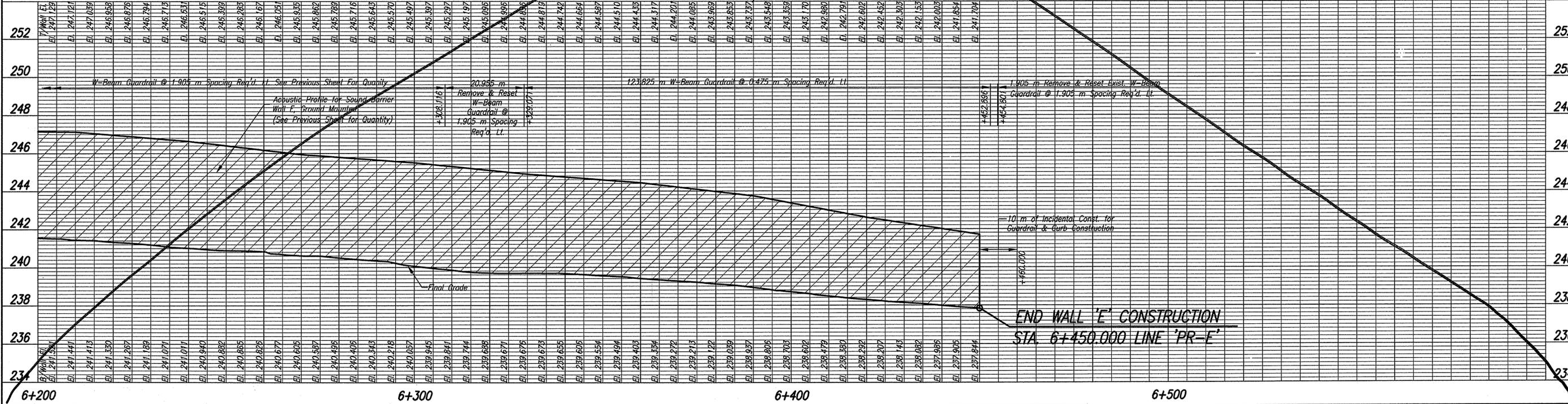
CURVE DATA (LINE 'PR-E')

P.I. Sta. 6+190.299 Line 'PR-E', 2.781 m Lt.
 $\Delta = 11^{\circ} 10' 43''$ Lt.
 R = 364.257 m
 T = 33.647 m
 L = 71.069 m
 E = 1.740 m

END WALL 'E' CONSTRUCTION

P.O.C. STA. 6+450.000 LINE 'PR-E'
 O.P.O.C. STA. 6+451.243 LINE 'A', 18.523 m Lt.

NOTE: ALL TOPOGRAPHY AND R/W ON THIS SHEET DESCRIBED FROM LINE 'A' EXCEPT AS NOTED. ALL SOUND BARRIER WALL GEOMETRICS ARE DESCRIBED FROM CONSTRUCT LINE 'PR-E'.



RECOMMENDED FOR APPROVAL: *Michael A. Hummel* 1/19/06
 DESIGN ENGINEER DATE

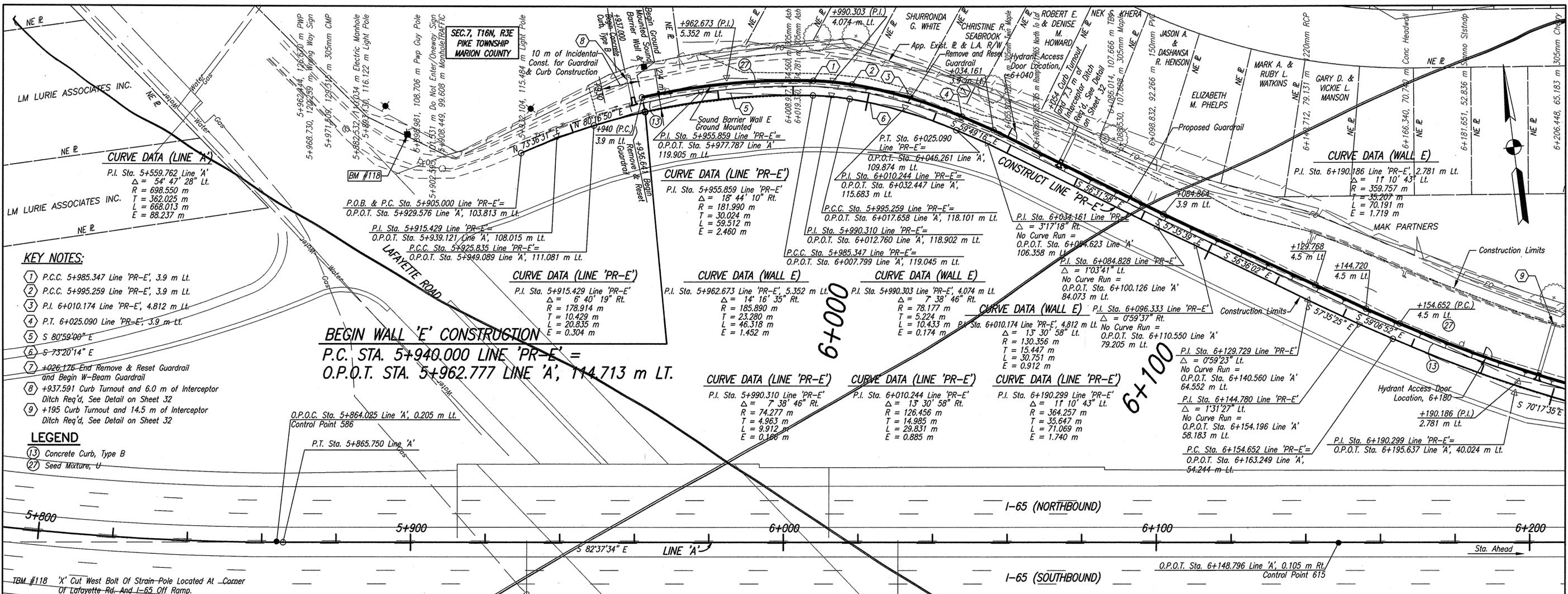
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 CHECKED: MAK CHECKED: PT

INDIANA DEPARTMENT OF TRANSPORTATION

I-65 SOUND BARRIER WALL E - PLAN & PROFILE

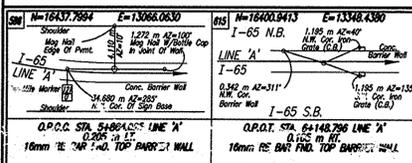
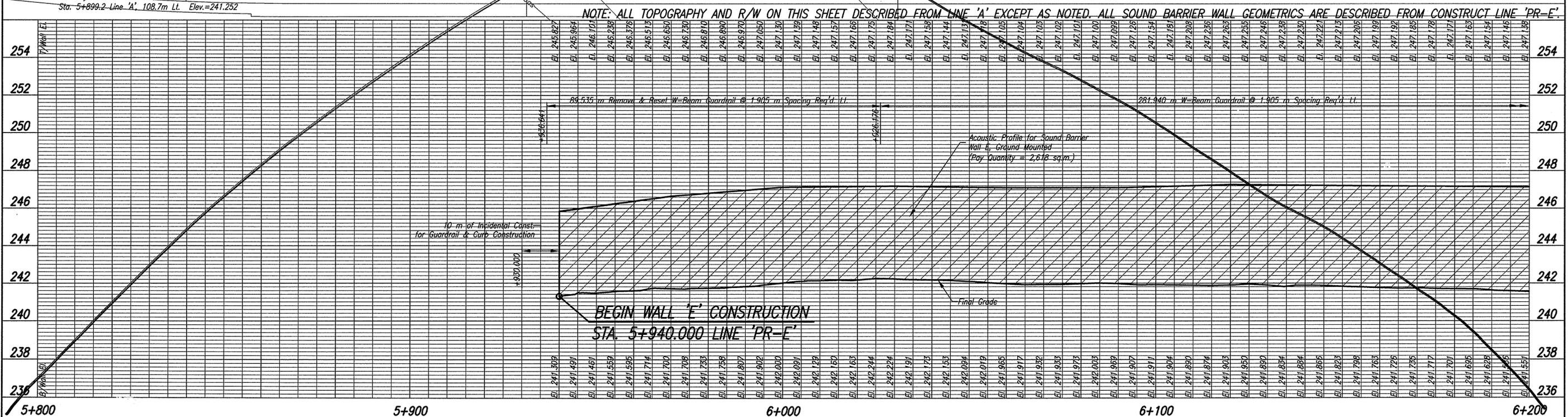
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1:500	
VERTICAL SCALE	DESIGNATION
1:100	0300429
SURVEY BOOK	SHEETS
ELECTRONIC	12 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)

Date: Jan 19, 2006, 7:48am User: ID: ctumpf File: M:\Prof\0661\2533\Bridges\Voice Walls\65 to Cold Springs\2533\NWP001.dwg



- KEY NOTES:**
- P.C.C. 5+985.347 Line 'PR-E', 3.9 m Lt.
 - P.C.C. 5+995.259 Line 'PR-E', 3.9 m Lt.
 - P.I. 6+010.174 Line 'PR-E', 4.812 m Lt.
 - P.T. 6+025.090 Line 'PR-E', 3.9 m Lt.
 - S 80°59'00" E
 - S 73°20'14" E
 - +026.176-End Remove & Reset Guardrail and Begin W-Beam Guardrail
 - +937.591 Curb Turnout and 6.0 m of Interceptor Ditch Req'd, See Detail on Sheet 32
 - +195 Curb Turnout and 14.5 m of Interceptor Ditch Req'd, See Detail on Sheet 32
- LEGEND**
- Concrete Curb, Type B
 - Seed Mixture, U

BEGIN WALL 'E' CONSTRUCTION
 P.C. STA. 5+940.000 LINE 'PR-E' =
 O.P.O.T. STA. 5+962.777 LINE 'A', 114.713 m Lt.



RECOMMENDED FOR APPROVAL *Michael A. Krumm* 1/19/06
 DESIGN ENGINEER DATE

DESIGNED: SCO DRAWN: JLM/CJS
 CHECKED: MAK CHECKED: PT

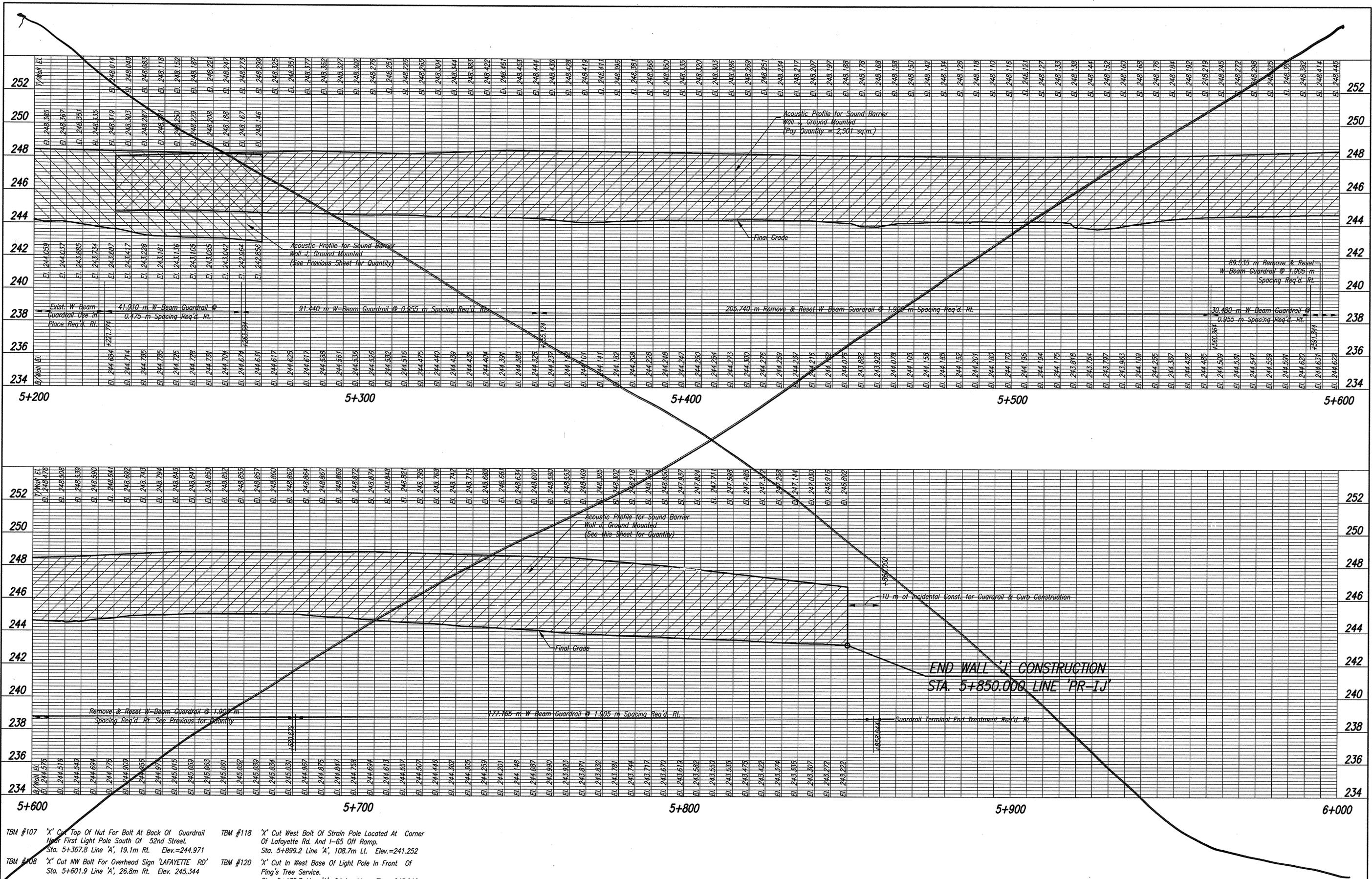
INDIANA DEPARTMENT OF TRANSPORTATION

I-65 SOUND BARRIER WALL E - PLAN & PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	0300429
SURVEY BOOK	SHEETS
ELECTRONIC	11 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)

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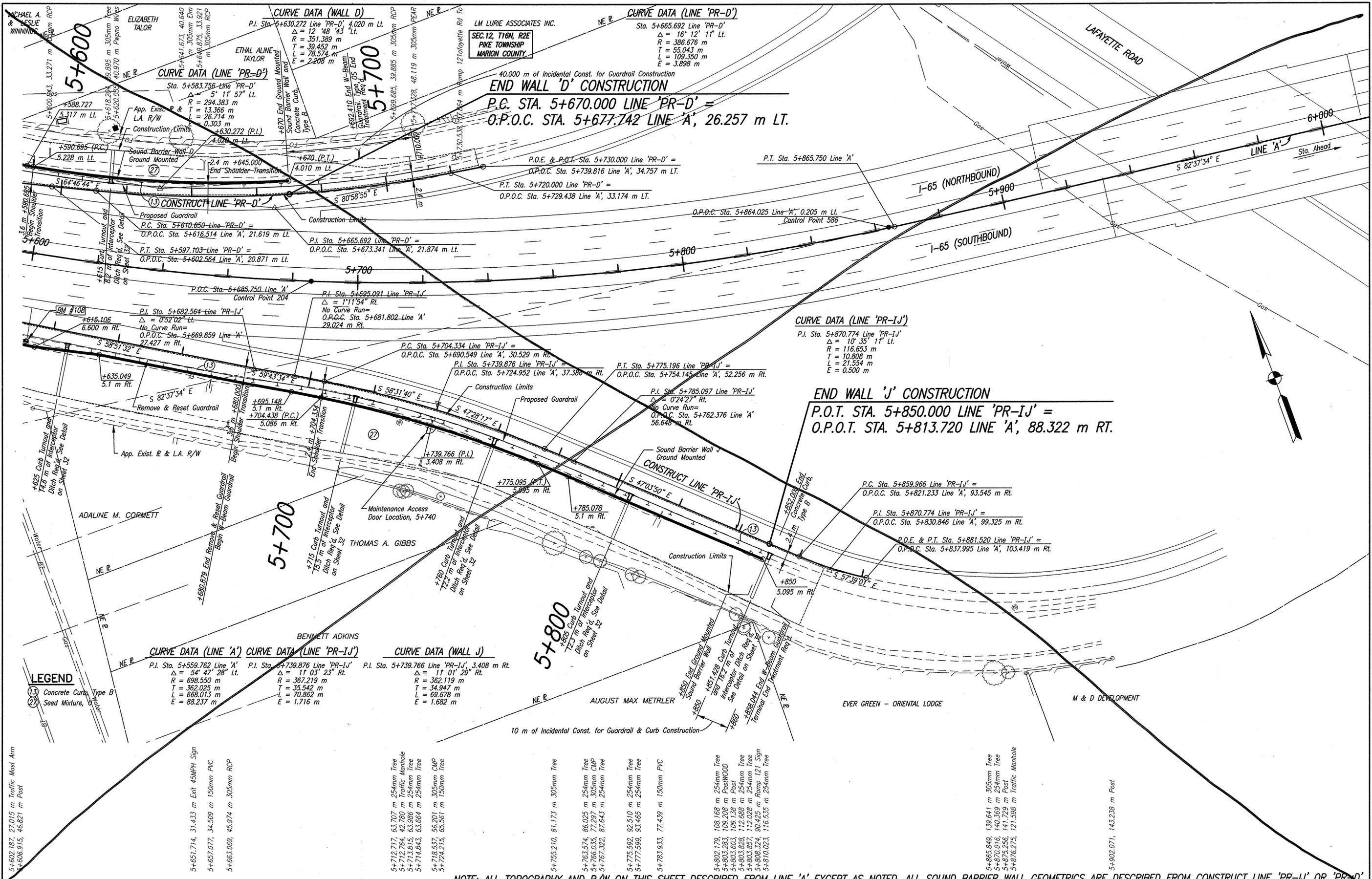
TBM #107 'X' Cut Top Of Nut For Bolt At Back Of Guardrail Near First Light Pole South Of 52nd Street. Sta. 5+367.8 Line 'A', 19.1m Rt. Elev.=244.971
 TBM #108 'X' Cut NW Bolt For Overhead Sign 'LAFAYETTE RD' Sta. 5+601.9 Line 'A', 26.8m Rt. Elev. 245.344
 TBM #118 'X' Cut West Bolt Of Strain Pole Located At Corner Of Lafayette Rd. And I-65 Off Ramp. Sta. 5+899.2 Line 'A', 108.7m Lt. Elev.=241.252
 TBM #120 'X' Cut In West Base Of Light Pole In Front Of Ping's Tree Service. Sta. 5+438.7 Line 'A', 24.4m Lt. Elev.=243.210



RECOMMENDED FOR APPROVAL: *Michael A. Kummert* 1/19/06 DATE
 DESIGN ENGINEER
 DESIGNED: SCO DRAWN: JLM/CJS
 CHECKED: MAK CHECKED: PT

INDIANA DEPARTMENT OF TRANSPORTATION
 I-65 SOUND BARRIER WALL J - PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	0300429
SURVEY BOOK	SHEETS
ELECTRONIC	9 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)



NOTE: ALL TOPOGRAPHY AND R/W ON THIS SHEET DESCRIBED FROM LINE 'A' EXCEPT AS NOTED. ALL SOUND BARRIER WALL GEOMETRICS ARE DESCRIBED FROM CONSTRUCT LINE 'PR-IJ' OR 'PR-D'.

<p>1:62.5 N.B. 13.500 m 42-150' 1:62.5 S.B. 13.500 m 42-150'</p> <p>1:62.5 S.B. 13.500 m 42-150'</p>	<p>1:62.5 N.B. 13.500 m 42-150'</p> <p>1:62.5 S.B. 13.500 m 42-150'</p>
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<p>1:62.5 N.B. 13.500 m 42-150'</p> <p>1:62.5 S.B. 13.500 m 42-150'</p>	<p>1:62.5 N.B. 13.500 m 42-150'</p> <p>1:62.5 S.B. 13.500 m 42-150'</p>
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<p>1:62.5 N.B. 13.500 m 42-150'</p> <p>1:62.5 S.B. 13.500 m 42-150'</p>	<p>1:62.5 N.B. 13.500 m 42-150'</p> <p>1:62.5 S.B. 13.500 m 42-150'</p>
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<p>1:62.5 N.B. 13.500 m 42-150'</p> <p>1:62.5 S.B. 13.500 m 42-150'</p>	<p>1:62.5 N.B. 13.500 m 42-150'</p> <p>1:62.5 S.B. 13.500 m 42-150'</p>
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<p>1:62.5 N.B. 13.500 m 42-150'</p> <p>1:62.5 S.B. 13.500 m 42-150'</p>	<p>1:62.5 N.B. 13.500 m 42-150'</p> <p>1:62.5 S.B. 13.500 m 42-150'</p>
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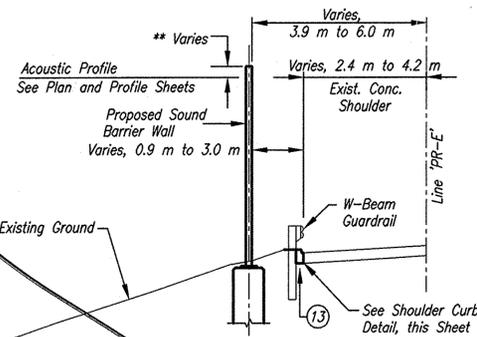
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<p>RECOMMENDED FOR APPROVAL Michael A. Leslie 1/19/06</p> <p>DESIGN ENGINEER DATE</p>	<p>DESIGNED: SCO</p> <p>DRAWN: JLM/CJS</p> <p>CHECKED: MAK</p> <p>CHECKED: PT</p>
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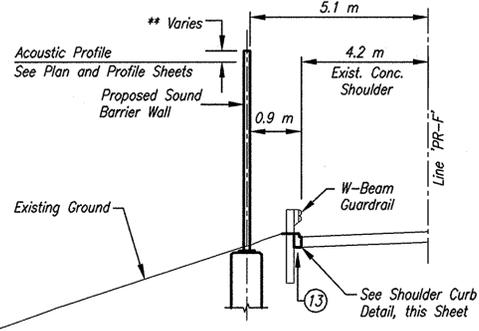
<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>I-65 SOUND BARRIER WALL WALLS J & D - PLAN & PROFILE</p>

<p>HORIZONTAL SCALE 1:500</p> <p>VERTICAL SCALE 1:100</p> <p>SURVEY BOOK ELECTRONIC CONTRACT R-28085</p> <p>BRIDGE FILE DESIGNATION 0300429</p> <p>SHEETS 8 of 101</p> <p>PROJECT IM-065-3(306)</p>



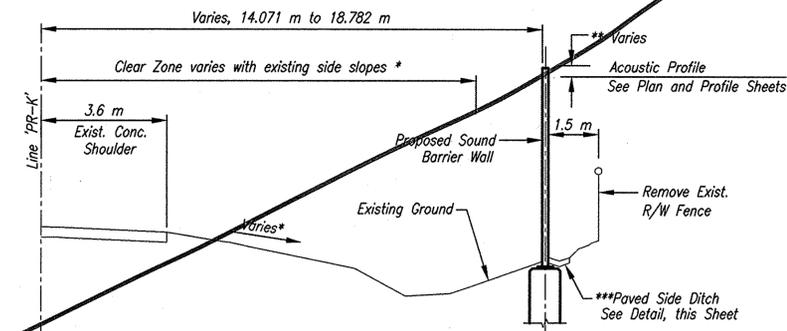
TYPICAL SECTION - WALL E

STA. 5+940 LINE 'PR-E' TO STA. 6+450 LINE 'PR-E'
SCALE: 1:100



TYPICAL SECTION - WALL F

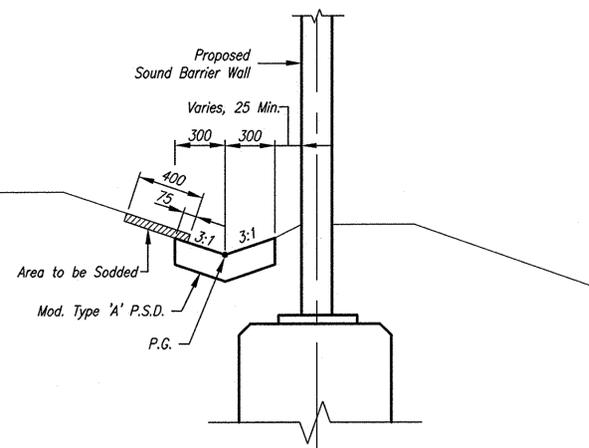
STA. 7+020 LINE 'PR-F' TO STA. 7+560 LINE 'PR-F'
SCALE: 1:100



TYPICAL SECTION - WALL K

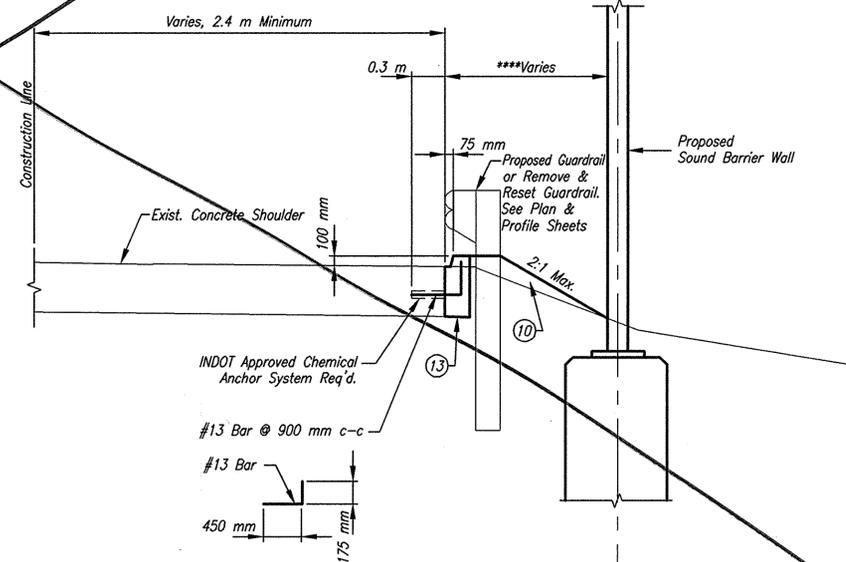
STA. 9+570 LINE 'PR-K' TO STA. 10+230 LINE 'PR-K'
SCALE: 1:100

*See Sheet 3 for Clear Zone Distances

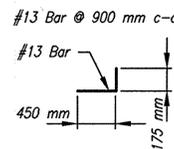


PAVED SIDE DITCH DETAIL 1

See Sheet No. 18 & 19 for P.S.D. Profile
STA. 5+120.000 LINE 'PR-IJ' TO STA. 5+172.834 LINE 'PR-IJ'
STA. 5+195.967 LINE 'PR-IJ' TO STA. 5+270.000 LINE 'PR-IJ'
STA. 9+570.000 LINE 'PR-K' TO STA. 9+647.716 LINE 'PR-K'
STA. 9+759.360 LINE 'PR-K' TO STA. 10+030.000 LINE 'PR-K'
STA. 10+091.714 LINE 'PR-K' TO STA. 10+230.000 LINE 'PR-K'
SCALE: 1:20



BAR BEND DETAIL



SHOULDER CURB DETAIL

Scale: None

****Maintain a minimum clearance of 0.900 m between the face of guardrail and the face of wall.

- NOTES:**
- Actual Dimension to be Determined by Wall Manufacturer.
 - No Paved Side Ditch Sta. 9+647.716 to Sta. 9+759.360 and Sta. 10+030.000 to 10+091.714 Line 'PR-K'. Bottom of Sound Barrier Wall 150 mm above Final Grade from Sta. 10+030 to 10+091.714 Line 'PR-K'.
- LEGEND**
- (10) Variable Thickness Comp. Aggregate for Base No. 53
 - (13) Concrete Curb, Type B

Date: Mar 08, 2006, 8:45am User: jld, dnoover
File: M:\proj\0461\2533\bridge\dwg\Noise Walls\B5 to Cold Springs\2533NWS03.dwg

2-13-06 MAK Plan Revisions



RECOMMENDED FOR APPROVAL	<i>Michael A. Kenneth</i>	
DESIGNED:	ERW	DRAWN: JLM/CJS
CHECKED:	BKA	CHECKED: ERW

INDIANA DEPARTMENT OF TRANSPORTATION

I-65 SOUND BARRIER WALL TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	
VERTICAL SCALE	DESIGNATION
AS NOTED	0300429
SURVEY BOOK	SHEETS
ELECTRONIC	4-A of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)

UTILITIES

Electric - Indianapolis Power & Light Co. 1230 W. Morris Street Indianapolis, IN 46221 (317) 261-8617 Attention: Janet Snodgrass	Cable TV - Metropolitan Cablevision Corp. 1935 Madison Ct., #C Carmel, IN 46032 (317) 844-8877 Attention: Kelly Robbins
Gas - Citizens Gas & Coke Utility 2150 Dr. Martin Luther King Jr. St. Indianapolis, IN 46208 (317) 927-4684 Attention: Richard Miller	Bright House Networks 3030 Roosevelt Avenue Indianapolis, IN 46218 (317) 632-9077 Attention: Jeff Farmer
Telephone - SBC 220 N. Meridian St. Room 303 Indianapolis, IN 46204 (317) 968-6017 Attention: Scott Ostermeir	Comcast Cablevision Of Indianapolis P.O. Box 20911 Indianapolis, IN 46220 (317) 275-6356 Attention: Jim Paton
Water - Indianapolis Water Co. 1220 Waterway Blvd. Indianapolis, IN 46206 (317) 263-6446 Attention: Stan Groves	Fiber - Purdue University 401 South Grant Street West Lafayette, IN 47907 (765) 496-6583 Attention: Stuart Eye
Sewer - Indianapolis Dept. Of Public Works 604 N. Sherman Drive Indianapolis, IN 46201 (317) 327-2308 Attention: Bill Bowman	Indiana Fiber Works 141 East Washington Street Suite 200 Indianapolis, IN 46204 (317) 524-5711 Attention: Jim Andrews
Oil - B.P. Pipelines 2500 North Tibbs Ave. Indianapolis, IN 46222 (317) 501-0019 Attention: Todd McKee	Time Warner Telecom 4625 West 86th Street Indianapolis, IN 46268 (317) 713-8922 Attention: Larry Benson

DESIGN DATA FOR SOUND BARRIER WALL

Ground Mounted
Wind Velocity: 90 mph
Wind Pressure according to AASHTO Guide Specifications for Structural Design of Sound Barriers (Interim 2002), Table 1-2.1.2.C

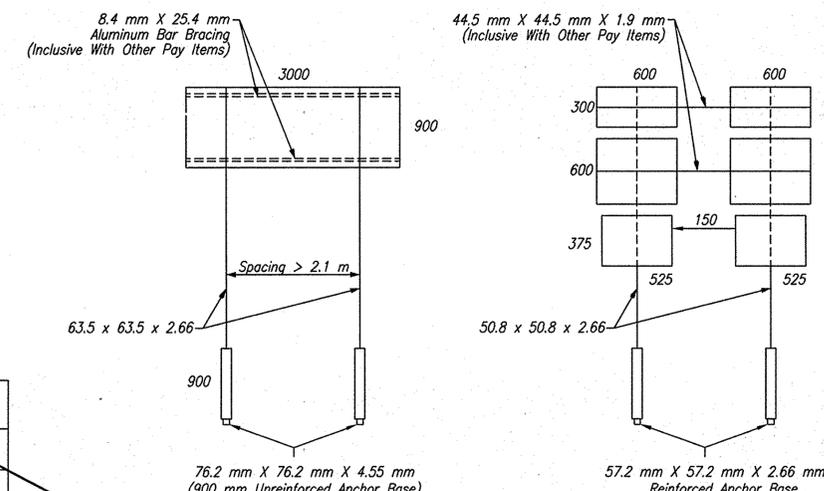
SIGNING GENERAL NOTES

- ALL BREAKAWAY SIGN SUPPORTS SHALL HAVE A MAXIMUM PROJECTION OF 100 mm AS STATED IN THE CLEAR ZONE POLICY
- ** Sheet signs and posts shall not be ordered until the exact number of signs and length of each post has been determined upon field investigation
- ** All signs shall be marked for identification. The marking material shall be either scotch lite, seibullite, Reflexite or approved equal. The identifying message shall consist of indot and the month and year the sign is installed. The message copy shall consist of white or black lettering (of a minimum of 25 mm in height) on black or white background respectively. The marking for sheet signs shall be placed in the lower corner closest to the center line of the roadway. The marking for panel signs shall be placed on the bottom panel in the end closest to the center line of the roadway. The marking shall not be covered by the signs support after installation of the sign.
- Exit direction sign and stop sign shall not be removed until the new one is at the job site and ready to install. These two signs shall be seen by travel motorist at all times. At least one advance sign guide is required in advance of the exit point.
- Waterproofing device in handhole shall be scotchcast encasement (3 m co.), kearney, aqueaseal (kearney co.), Bishop lsw splice wrap (bishop electric) or approved equal.
- Roadway conventional light pole and sign structure identification numbers are to be installed 45i from center line facing vehicular traffic and 3.0 m above the ground line. The numbers and letters are to be 38 mm x 64 mm black or white on white or black background respectively. The marking material shall be Scotch lite, seibullite, reflexite or approved equal.
- ** All design shall be in accordance with the standard specifications for structural supports for highway signs, luminaries and traffic signals latest edition.
- Aluminum bar bracing (6 mm c 25 mm x length required) will be required on all channel post mounted signs exceeding 1.50 m length.
- * Panel sign legends shall be de-mountable type as specified in the special provision.
- Box truss structure for sign support shall be aluminum only.
- For galvanized steel roadway light pole, the constant cross-section luminaries support arm can be used in this project. The support arm shall be truss type fabricated from 50 mm diameter steel pipe. The material shall conform to the following astm specifications: a-53, grade b; a-500, grade b or c; a-501, minimum 241 mpa. Yield strength.
- ** The contractor shall field verify the existing cross-section at the proposed sign locations prior to ordering overhead structures.
- ** Represents general notes req'd.

INDEX

STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
SHEET NO.		SUBJECT		
1	Title Sheet			
2	Index - Design and Traffic Data			
3-4	Typical Sections			
5-10	Walls I, J & D - Plan & Profile			
11-12	Wall E - Plan & Profile			
13-14	Wall F - Plan & Profile			
15-17	Wall K - Plan & Profile			
18	Wall J - Paved Side Ditch Profile			
19	Wall K - Paved Side Ditch Profile			
20-26	Erosion Control Plan			
27-31	Soil Borings			
32	Details			
33-40	Existing Sign Plan			
41-48	Proposed Sign Plan			
49-50	Sign Details			
51-52	Sheet Sign And Post Summary			
53	Panel Sign Table And Summary			
54	Signing Cross Section			
55	Miscellaneous Tables			
56	Guardrail Table			
57	Erosion Control Table			
58	Structure Data			
59	Pipe Material Sheet			
60-101	Cross Sections			

ROADWAY	TRAFFIC DATA					DESIGN DATA						
	A.A.D.T. (2005)	A.A.D.T. (2025)	D.H.V. (2025)	Trucks		Design Speed	Posted Speed	Design Criteria	Functional Classification	Rural/Urban	Terrain	Access Control
Mainline	V.P.D.	V.P.D.	V.P.H.	% A.D.T.	% D.H.V.	K.P.H.	M.P.H.					
NB North Of I-465	19,730	26,030	1,774	14	11	100	55	54-2A	Principal Arterial	Urban	Level	Full
I-465 To Kessler Blvd.	64,006	84,431		15		100	55	54-2A	Principal Arterial	Urban	Level	Full
South Of Kessler Blvd.	99,594	130,889	11,955	11	9	100	55	54-2A	Principal Arterial	Urban	Level	Full
38th Street Interchange												
NB Off Ramp	22,404	29,539	2,249	6	4	90/70	45	48-5.02	Ramp	Urban	Level	Full
SB On Ramp	18,958	25,008	3,000	6	3	90/70	45	48-5.02	Ramp	Urban	Level	Full
NB On Ramp	2,575	3,395	374	6	4	90/70	45	48-5.02	Ramp	Urban	Level	Full
SB Off Ramp	3,059	4,034	363	4	3	90/70	45	48-5.02	Ramp	Urban	Level	Full
Lafayette Rd. Interchange												
NB Off Ramp	13,781	18,196	2,911	13	13	90/70	45	48-5.02	Ramp	Urban	Level	Full
SB On Ramp	12,400	16,360	2,455	13	13	90/70	45	48-5.02	Ramp	Urban	Level	Full
NB On Ramp	7,335	9,675	871	4	3	90/70	45	48-5.02	Ramp	Urban	Level	Full
SB Off Ramp	4,975	6,535	654	4	2	90/70	45	48-5.02	Ramp	Urban	Level	Full
I-465 Interchange												
SB On Ramp	13,691	18,056	1,986	12	6	60	40	48-5.02	Ramp	Urban	Level	Full
NB Off Ramp	13,691	18,056	1,986	12	6	70	45	48-5.02	Ramp	Urban	Level	Full
Lafayette Road	37,355	49,055	4,921	8	8	70		53-8	Collector	Urban	Level	Partial
38th Street	66,249	87,394				90	55	54-2A	Principal Arterial	Urban	Level	Partial
Coldsprings Road	6,048	7,978	798	5	5	70		53-8	Collector	Urban	Level	None



Note: Maximum Sign Width 3000, Height 900
All Dimensions Are In Millimeters Except As Noted

SQUARE POST FOR SHEET SIGN ROUTE MARKER POSTS ASSEMBLY DETAIL-1

REVISIONS		
Sheet No.	Date	Revised
Delete Sheet No. 2, 4, 50, 52, and 54.	02-13-2006	Plan Revisions
Add Sheet No. 2-A, 4-A, 50-A, 52-A, and 54-A.	02-13-2006	Plan Revisions

Date: Mar 09 2006 9:02am User: id: drcower
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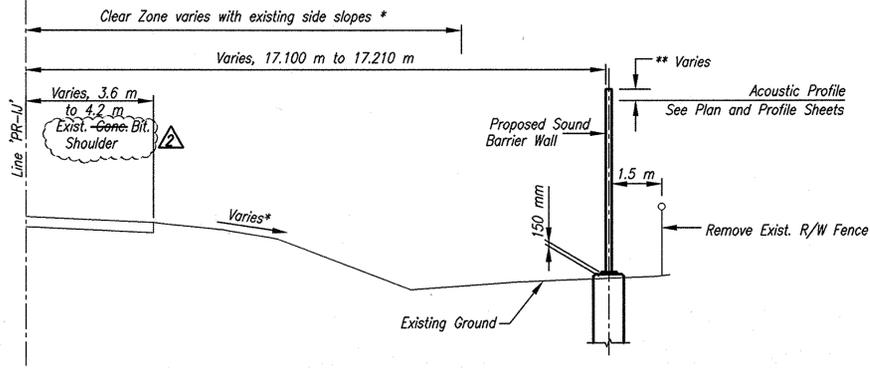
2-13-06 MAK Plan Revisions



RECOMMENDED FOR APPROVAL	Michael A. Kummeth	DATE
DESIGNED:	PT	DRAWN: JLM/CJS
CHECKED:	MAK	CHECKED: PT

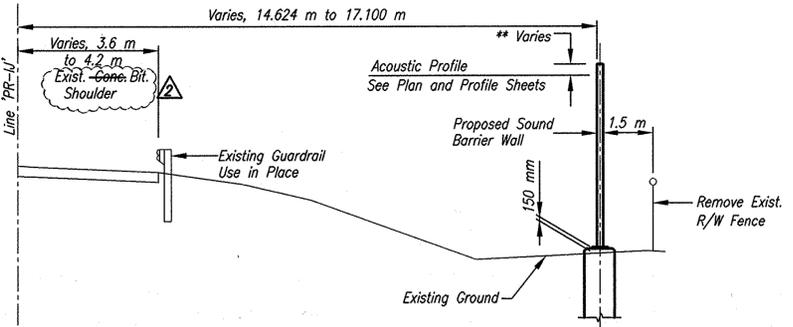
INDIANA DEPARTMENT OF TRANSPORTATION
I-65 SOUND BARRIER WALL
INDEX-DESIGN AND TRAFFIC DATA

HORIZONTAL SCALE	BRIDGE FILE
Not to Scale	
VERTICAL SCALE	DESIGNATION
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SURVEY BOOK	SHEETS
ELECTRONIC	2-A of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)

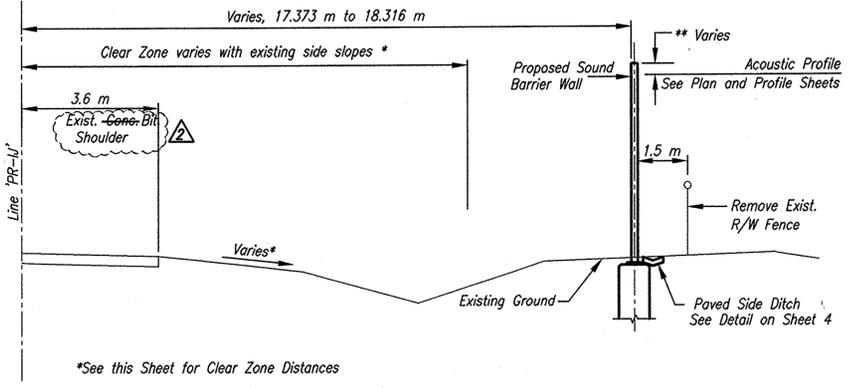


TYPICAL SECTION - WALL I
 STA. 4+502.185 LINE 'PR-IJ' TO STA. 5+000.000 LINE 'PR-IJ'
 SCALE: 1:100

*See this Sheet for Clear Zone Distances

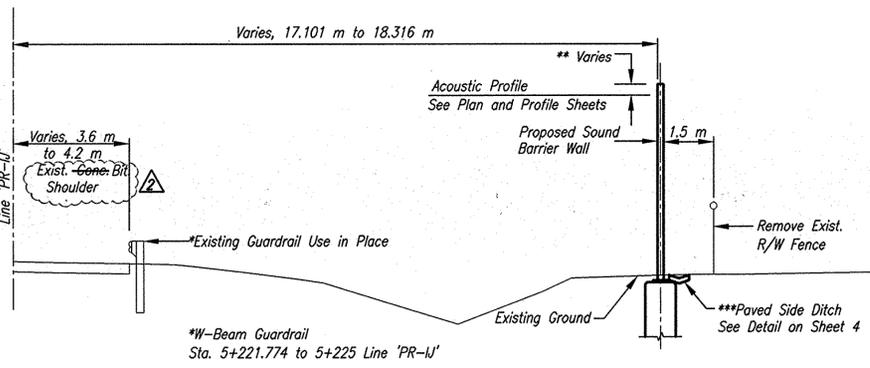


TYPICAL SECTION - WALL I
 STA. 4+480.000 LINE 'PR-IJ' TO STA. 4+502.185 LINE 'PR-IJ'
 STA. 5+000.000 LINE 'PR-IJ' TO STA. 5+050.000 LINE 'PR-IJ'
 SCALE: 1:100



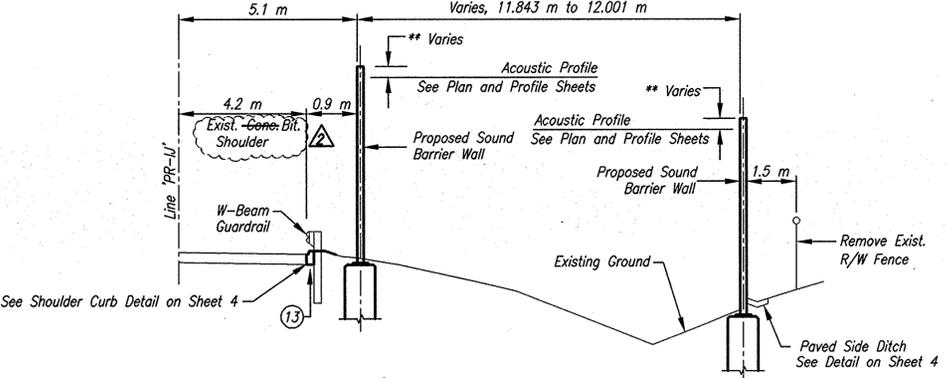
TYPICAL SECTION - WALL J
 STA. 5+120.000 LINE 'PR-IJ' TO STA. 5+164.455 LINE 'PR-IJ'
 SCALE: 1:100

*See this Sheet for Clear Zone Distances

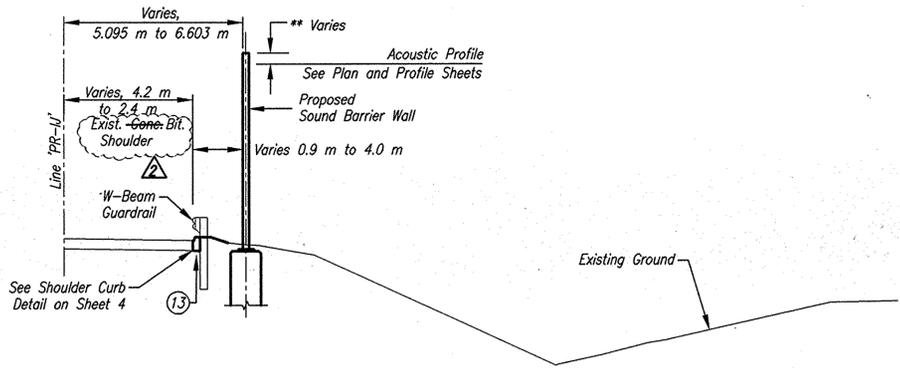


TYPICAL SECTION - WALL J
 STA. 5+164.455 LINE 'PR-IJ' TO STA. 5+225 LINE 'PR-IJ'
 SCALE: 1:100

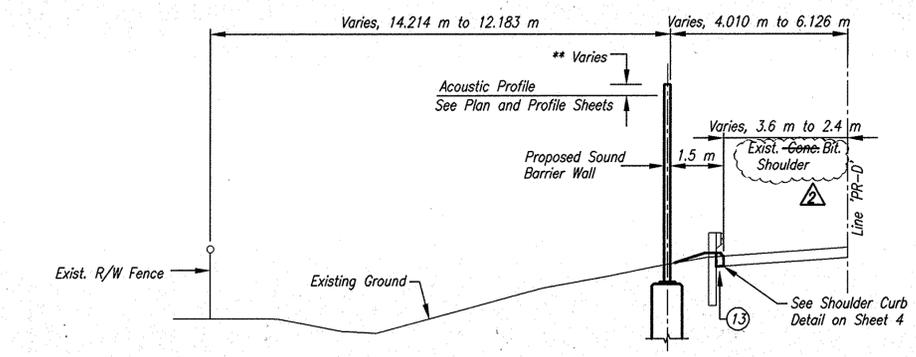
*W-Beam Guardrail
 Sta. 5+221.774 to 5+225 Line 'PR-IJ'



TYPICAL SECTION - WALL J
 STA. 5+225 LINE 'PR-IJ' TO STA. 5+270 LINE 'PR-IJ'
 SCALE: 1:100



TYPICAL SECTION - WALL J
 STA. 5+270 LINE 'PR-IJ' TO STA. 5+850 LINE 'PR-IJ'
 SCALE: 1:100



TYPICAL SECTION - WALL D
 STA. 5+460 LINE 'PR-D' TO STA. 5+670 LINE 'PR-D'
 SCALE: 1:100

CLEAR ZONE DISTANCE TABLE				
DESIGN SPEED	DESIGN SPEED	FILL SLOPES	CLEAR ZONE	
			DISTANCE	
60 KPH or less	AADT (T)	Flatter than 6:1	3.5	
		6:1	4.0	
		5:1	4.5	
	1500 ≤ T < 6000	4:1	5.0	
		≥ 6000	Flatter than 6:1	4.5
			6:1	4.5
5:1	5.0			
70 KPH	≥ 6000	4:1	5.5	
		Flatter than 6:1	6.0	
		6:1	6.0	
		5:1	7.0	
80 KPH	≥ 6000	4:1	7.5	
		Flatter than 6:1	6.0	
		6:1	6.5	
		5:1	7.5	
100 KPH	≥ 6000	4:1	8.5	
		Flatter than 6:1	9.0	
		6:1	10.0	
		5:1	11.0	
		4:1	13.5	

NOTES:
 ** Actual Dimension To Be Determined by Wall Manufacturer
 *** No Paved Side Ditch
 Sta. 5+172.834 Line 'PR-IJ' to 5+195.967 Line 'PR-IJ'

LEGEND
 (13) Concrete Curb, Type B

Date: Sep 27, 2006, 1:39pm User ID: jmoore File: M:\Proj\0461\2533\bridge\veg\noise\Walls\65 to Cold Springs\2533NW1503.dwg

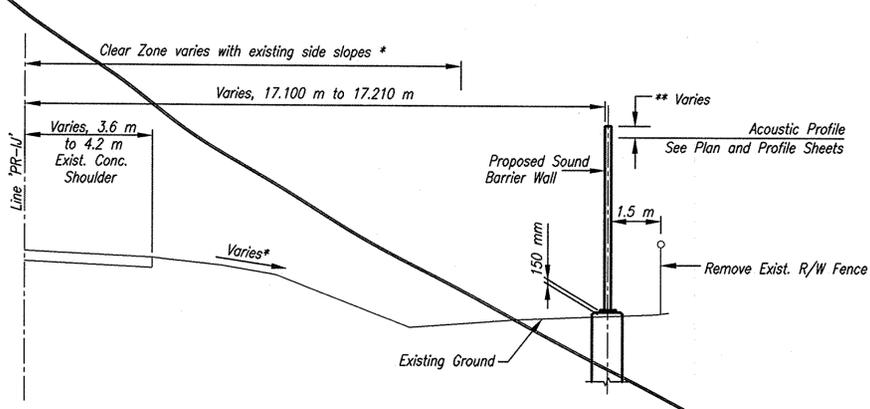
9-14-06 MAK Plan Revisions



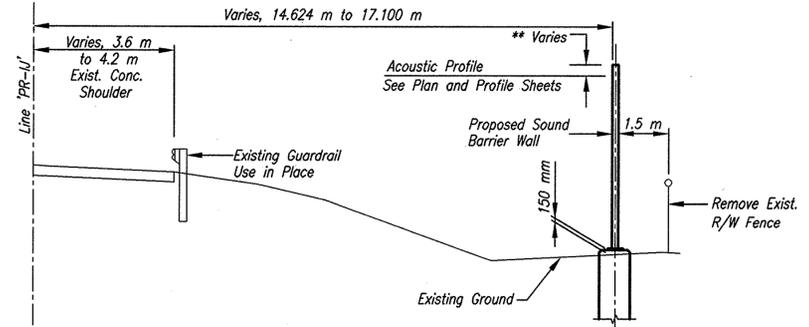
RECOMMENDED FOR APPROVAL *Michael A. Kummetz* 9/20/06
 DESIGN ENGINEER DATE
 DESIGNED: ERW DRAWN: JLM/CJS
 CHECKED: BKA CHECKED: ERW

INDIANA DEPARTMENT OF TRANSPORTATION
 I-65 SOUND BARRIER WALL
 TYPICAL SECTIONS

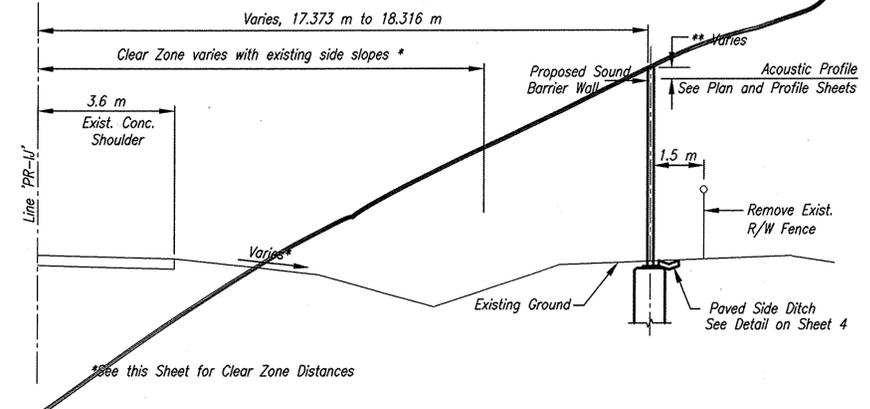
HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	
VERTICAL SCALE	DESIGNATION
AS NOTED	0300429
SURVEY BOOK	SHEETS
ELECTRONIC	3-A of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)



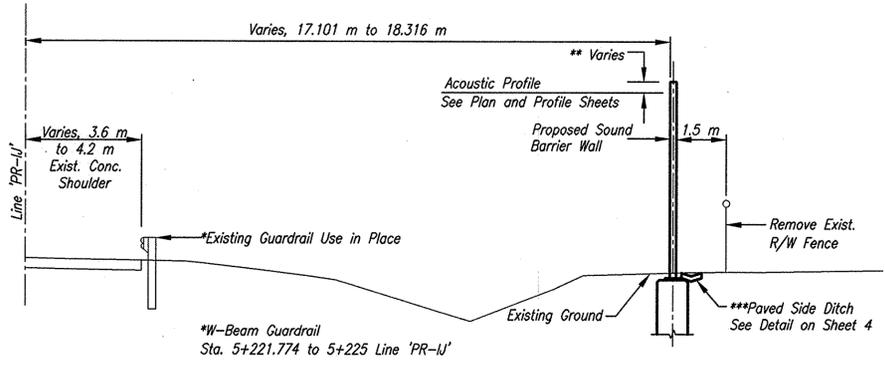
TYPICAL SECTION - WALL I
 STA. 4+502.185 LINE 'PR-IJ' TO STA. 5+000.000 LINE 'PR-IJ'
 SCALE: 1:100



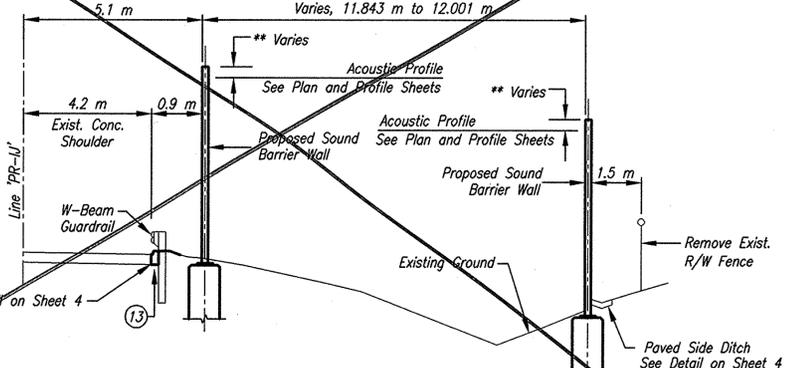
TYPICAL SECTION - WALL I
 STA. 4+480.000 LINE 'PR-IJ' TO STA. 4+502.185 LINE 'PR-IJ'
 STA. 5+000.000 LINE 'PR-IJ' TO STA. 5+050.000 LINE 'PR-IJ'
 SCALE: 1:100



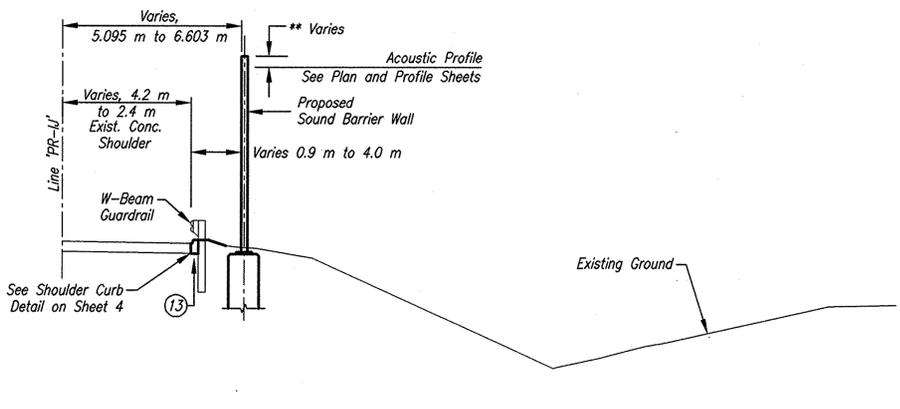
TYPICAL SECTION - WALL J
 STA. 5+120.000 LINE 'PR-IJ' TO STA. 5+164.455 LINE 'PR-IJ'
 SCALE: 1:100



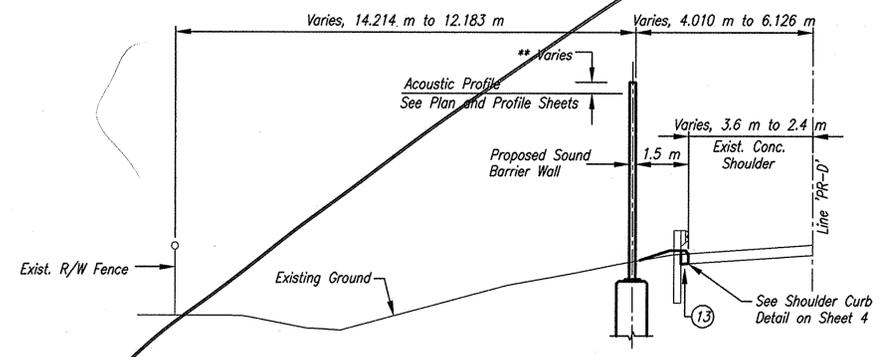
TYPICAL SECTION - WALL J
 STA. 5+164.455 LINE 'PR-IJ' TO STA. 5+225 LINE 'PR-IJ'
 SCALE: 1:100



TYPICAL SECTION - WALL J
 STA. 5+225 LINE 'PR-IJ' TO STA. 5+270 LINE 'PR-IJ'
 SCALE: 1:100



TYPICAL SECTION - WALL J
 STA. 5+270 LINE 'PR-IJ' TO STA. 5+850 LINE 'PR-IJ'
 SCALE: 1:100



TYPICAL SECTION - WALL D
 STA. 5+460 LINE 'PR-D' TO STA. 5+670 LINE 'PR-D'
 SCALE: 1:100

CLEAR ZONE DISTANCE TABLE				
DESIGN SPEED	DESIGN SPEED AADT (T)	FILL SLOPES	CLEAR ZONE	
			DISTANCE	
60 KPH or less	1500 ≤ T < 6000	Flatter than 6:1	3.5	
		6:1	4.0	
		5:1	4.5	
	≥ 6000	4:1	5.0	
		Flatter than 6:1	4.5	
		6:1	4.5	
70 KPH	≥ 6000	5:1	5.0	
		4:1	5.5	
		Flatter than 6:1	6.0	
		6:1	6.0	
80 KPH	≥ 6000	5:1	7.0	
		4:1	7.5	
		Flatter than 6:1	6.0	
		6:1	6.5	
100 KPH	≥ 6000	5:1	7.5	
		4:1	8.5	
		Flatter than 6:1	9.0	
		6:1	10.0	
			5:1	11.0
			4:1	13.5

NOTES:
 ** Actual Dimension To Be Determined by Wall Manufacturer
 *** No Paved Side Ditch
 Sta. 5+172.834 Line 'PR-IJ' to 5+195.967 Line 'PR-IJ'

LEGEND
 (13) Concrete Curb, Type B

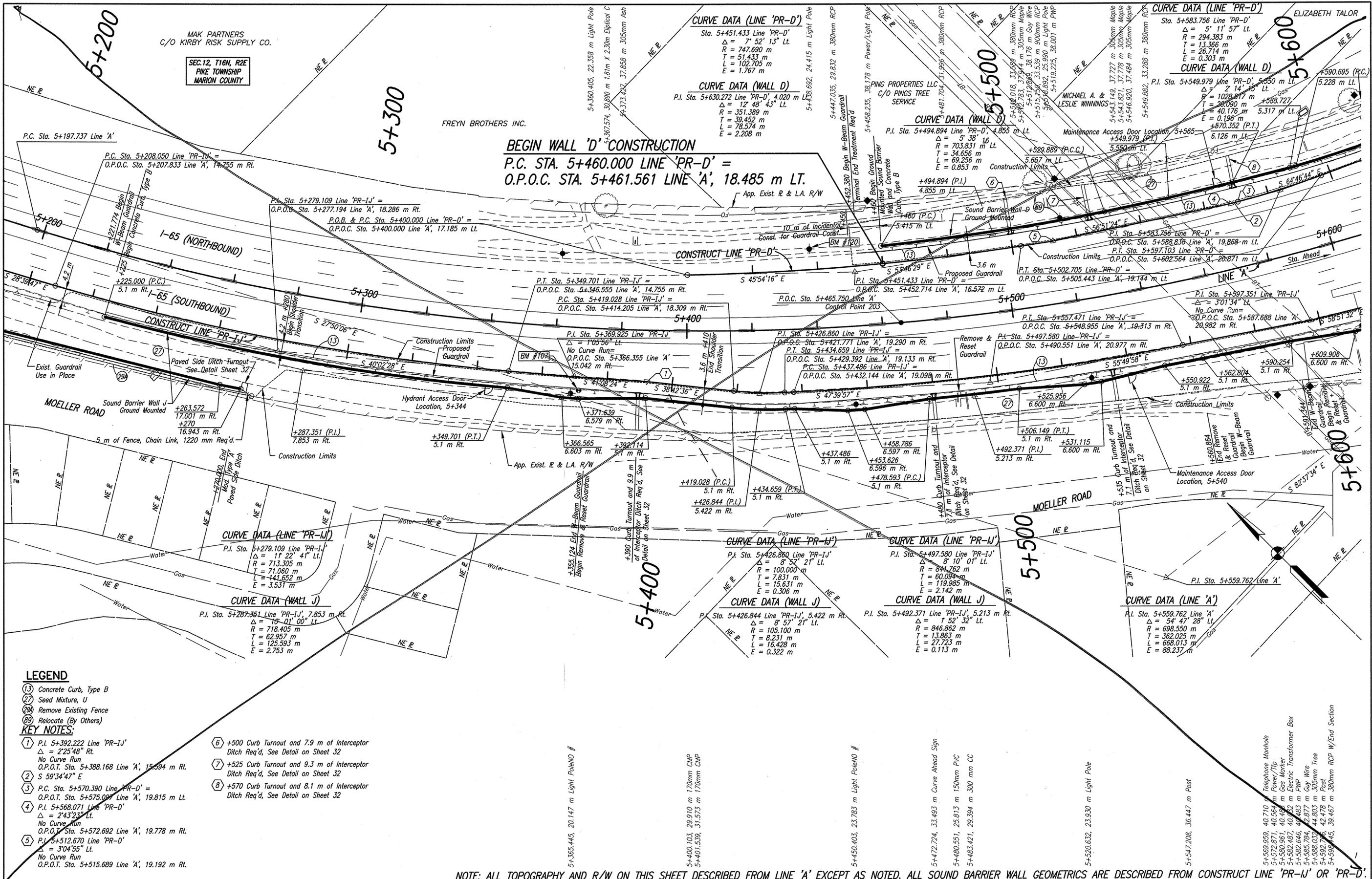
Date: Jan 19, 2006, 7:48am User ID: cslumpf File: M:\proj\0461\2533\bridge\dwg\Noise Walls\IB5 to Cold Springs\2533NWT503.dwg



RECOMMENDED FOR APPROVAL: *Michael A. Kenneth* 1/19/06
 DESIGN ENGINEER DATE
 DESIGNED: ERW DRAWN: JLM/CJS
 CHECKED: BKA CHECKED: ERW

INDIANA DEPARTMENT OF TRANSPORTATION
I-65 SOUND BARRIER WALL TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	
VERTICAL SCALE	DESIGNATION
AS NOTED	0300429
SURVEY BOOK	SHEETS
ELECTRONIC	3 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)



BEGIN WALL 'D' CONSTRUCTION
P.C. STA. 5+460.000 LINE 'PR-D' =
O.P.O.C. STA. 5+461.561 LINE 'A', 18.485 m LT.

LEGEND

- (13) Concrete Curb, Type B
- (27) Seed Mixture, U
- (28) Remove Existing Fence
- (29) Relocate (By Others)

KEY NOTES:

- 1 P.I. 5+392.222 Line 'PR-IJ'
 $\Delta = 2'25'48''$ Lt.
 No Curve Run
 O.P.O.T. Sta. 5+388.168 Line 'A', 15.594 m Rt.
 $S 59'34'47'' E$
- 2 P.C. Sta. 5+570.390 Line 'PR-D' =
 O.P.O.T. Sta. 5+573.097 Line 'A', 19.815 m Lt.
- 3 P.I. 5+568.071 Line 'PR-D'
 $\Delta = 2'43'23''$ Lt.
 No Curve Run
 O.P.O.T. Sta. 5+572.692 Line 'A', 19.778 m Rt.
- 4 P.I. 5+512.670 Line 'PR-D'
 $\Delta = 3'04'55''$ Lt.
 No Curve Run
 O.P.O.T. Sta. 5+515.689 Line 'A', 19.192 m Rt.
- 5 +500 Curb Turnout and 7.9 m of Interceptor
 Ditch Req'd, See Detail on Sheet 32
- 6 +525 Curb Turnout and 9.3 m of Interceptor
 Ditch Req'd, See Detail on Sheet 32
- 7 +570 Curb Turnout and 8.1 m of Interceptor
 Ditch Req'd, See Detail on Sheet 32

NOTE: ALL TOPOGRAPHY AND R/W ON THIS SHEET DESCRIBED FROM LINE 'A' EXCEPT AS NOTED. ALL SOUND BARRIER WALL GEOMETRICS ARE DESCRIBED FROM CONSTRUCT LINE 'PR-IJ' OR 'PR-D'.

<p>DLZ 16566.566 12706.617 I-65 N.R. 18.140 m x 340' 4.690 m x 424'-105' SW. Cor. Pin Gate (CS) I-65 S.B. P.O.C. STA. 5+465.750 LINE 'A' H&G H&L TOP OF CONC. BARRIER WALL</p>	<p>DLZ INDIANA, LLC REGISTERED PROFESSIONAL ENGINEER No. 910332 STATE OF INDIANA MICHAEL A. KUMMER DESIGN ENGINEER 1/19/06 DATE</p>
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RECOMMENDED FOR APPROVAL	Michael A. Kummer	1/19/06	DATE
DESIGNED:	SCO	DRAWN:	JLM/CJS
CHECKED:	MAK	CHECKED:	PT

INDIANA	
DEPARTMENT OF TRANSPORTATION	
I-65 SOUND BARRIER WALLS J & D - PLAN & PROFILE	

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	0300429
SURVEY BOOK	SHEETS
ELECTRONIC	7 of 101
CONTRACT	PROJECT
R-28085	IM-065-3(306)