SEC. 34, T.17N., R.2E.
PIKE TOWNSHIP
MARION COUNTY

22+200

22+300

P.O.T. Sta. 22+158.960 "6-P" =
O.P.O.T. Sta. 1+000.000 "A", 12.802 m Lt.

1.2m CLF

RipRap

160mm PVC

305mm RCP

P.O.T. Sta. 0+800.000 "A"

Asphalt

(Shldr.)

LINE "6-P"

S. 42°26'08" E.

I-65 NORTH

LINE "A"

160mm PVC

Conc.

305mm CMP

Inlet

Overhead Sign

LINE "5-P"

℄ CONSTRUCTION

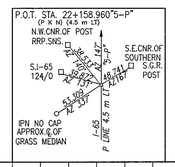
I-65 SOUTH

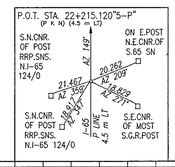
P.O.T. Sta. 1+000.000 "A"

P.O.T. Sta. 22+158.960 "5-P" =
O.P.O.T. Sta. 1+000.000 "A", 12.802 m Rt.

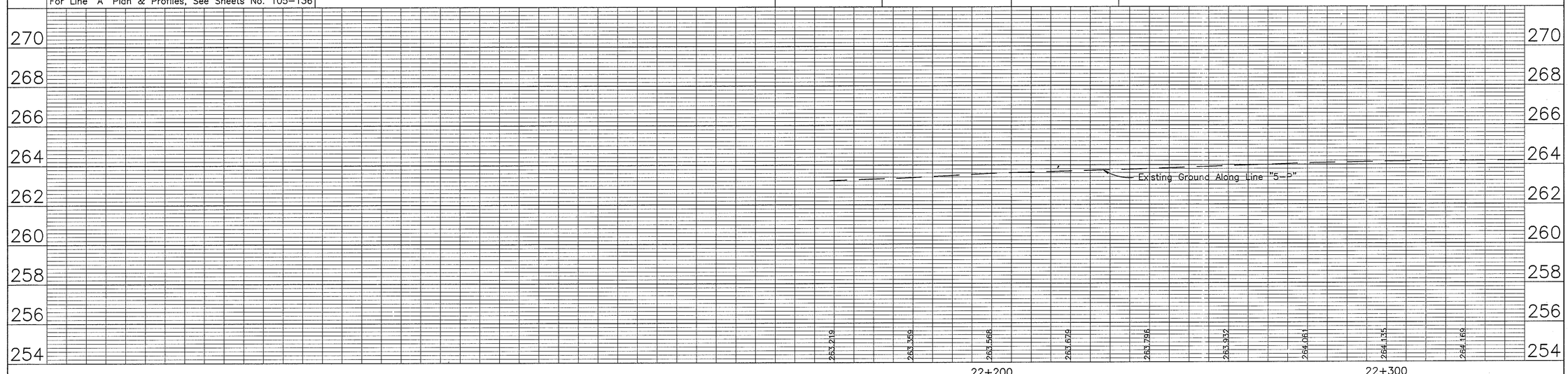
P.C. Sta. 22+215.120 "5-P"

SEC. 34, T.17N., R.2E.
PIKE TOWNSHIP
MARION COUNTY





For Line "A" Plan & Profiles, See Sheets No. 105-136



PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (F) Fence, Chain Link, 1220 mm
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

IBRAHIM M. SWIDAN
REGISTERED
No. PE19600226
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ 9/28/01
DESIGN ENGINEER DATE

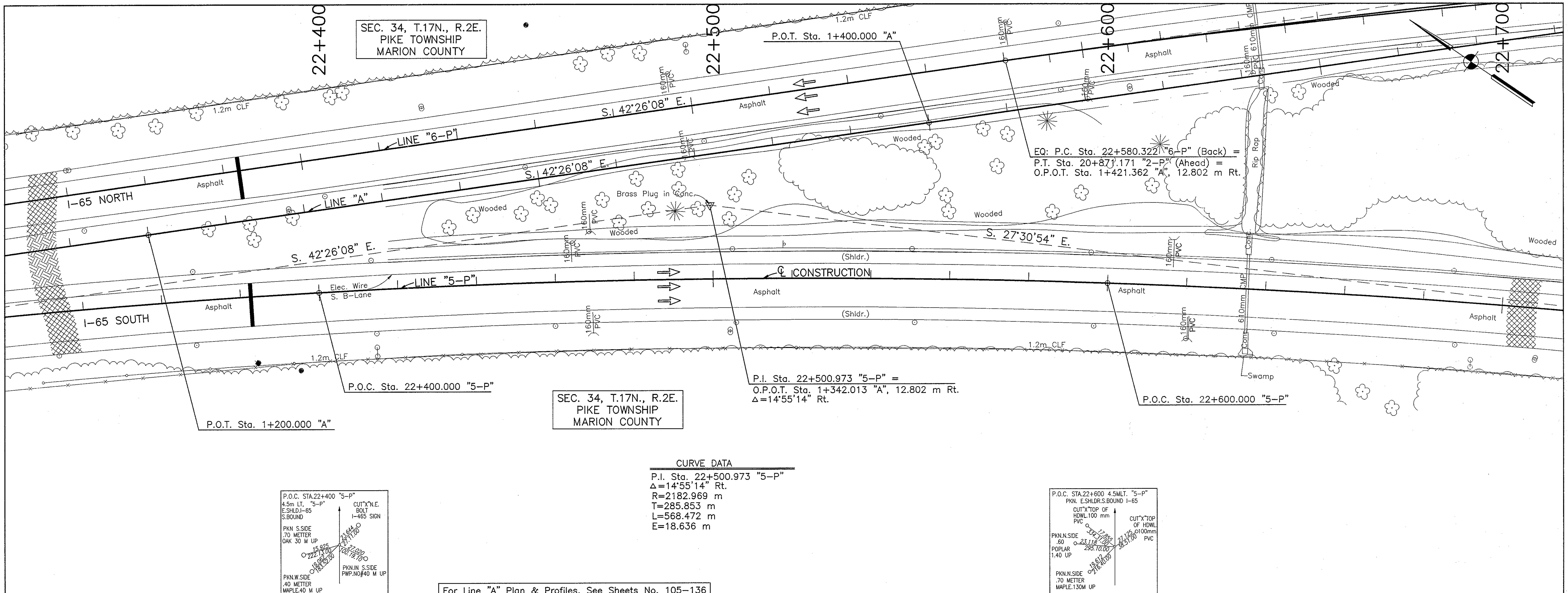
DESIGNED: J.A.T. DRAWN: J.W.M.
CHECKED: M.A.E. CHECKED: J.A.T.

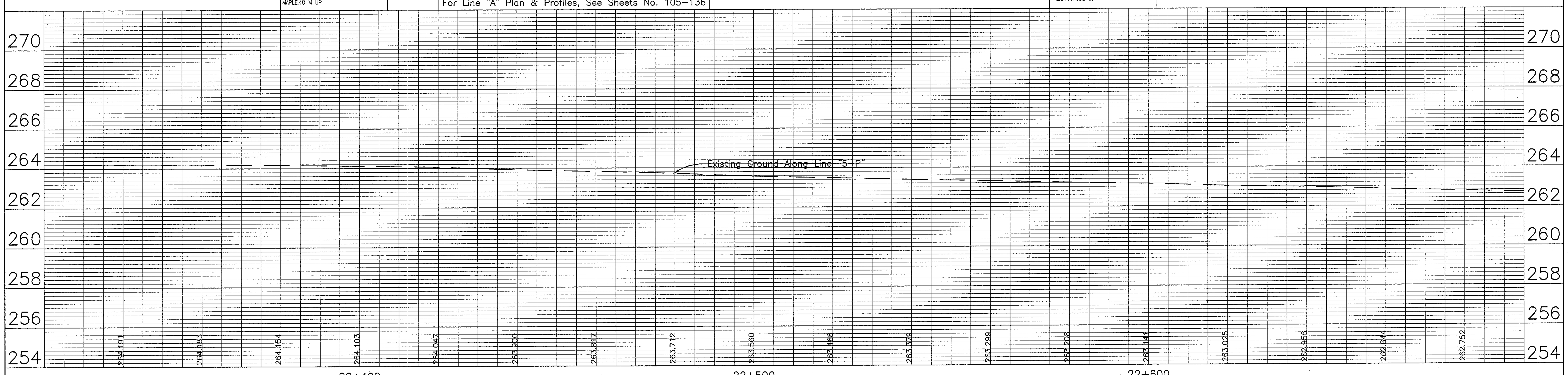
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
LINE "5-P"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	100 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

Time: 8:33:12
Date: 9/28/2001
Scale: 1=1(VPS)
Drawing File: K-Drive\cadd\proj\375\ASBUILTS-DO NOT MODIFY\PLAN & PROFILES\PP-5P01.dwg (Miller)





PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (F) Fence, Chain Link, 1220 mm
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 9/28/01 DATE

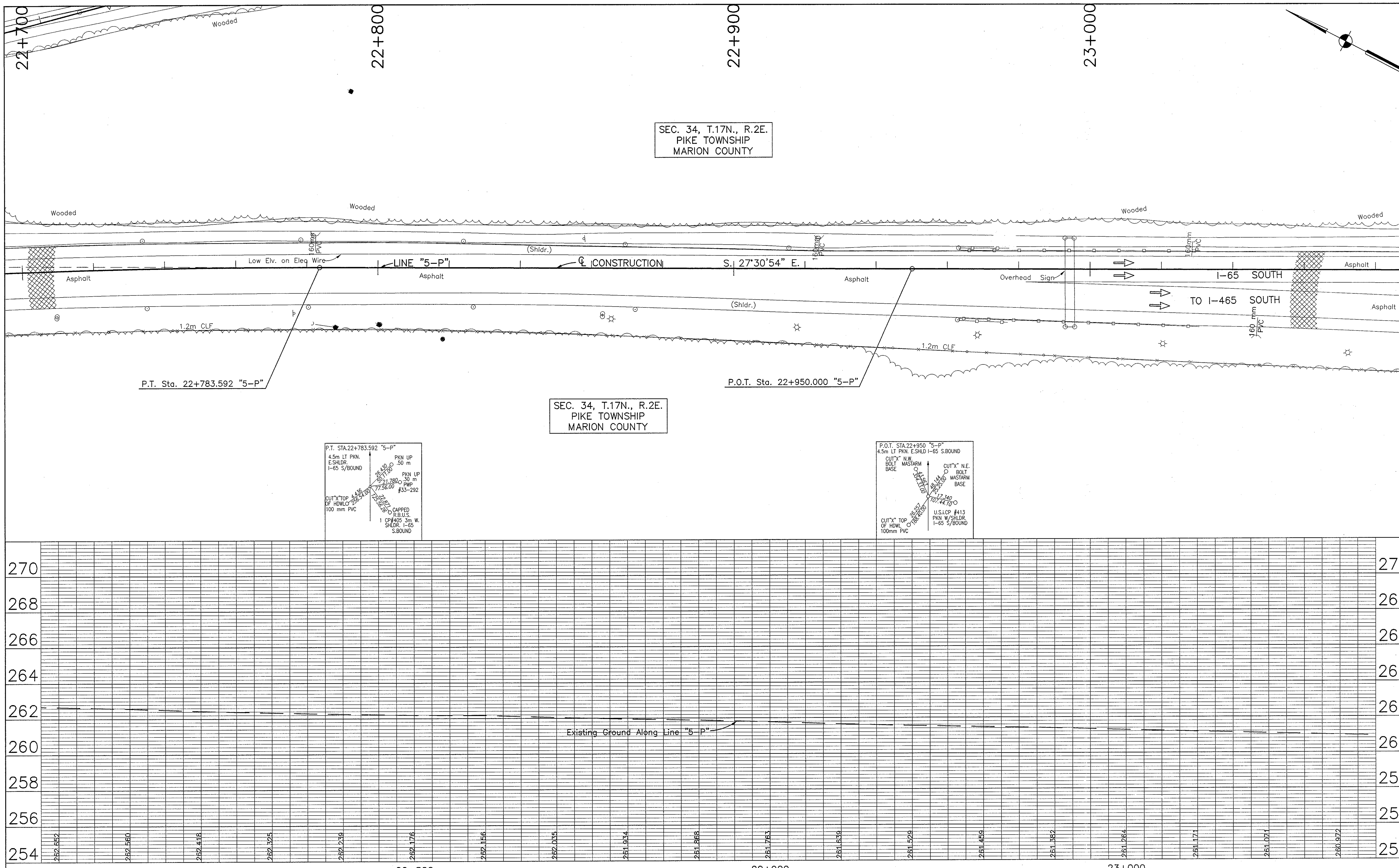
DESIGNED: J.A.T. DRAWN: J.W.M.
CHECKED: M.A.E. CHECKED: J.A.T.

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
LINE "5-P"

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 9614680
SURVEY BOOK	SHEETS 101 of 520
CONTRACT R-24327	PROJECT IM-65-3(281)118

Time: 8:35:10 Date: 8/25/2001 Scale: 1=13(25) Drawing File: ...\PLAN & PROFILES\PP-5P02.dwg



PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (F) Fence, Chain Link, 1220 mm
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] DESIGN ENGINEER 9/28/01 DATE

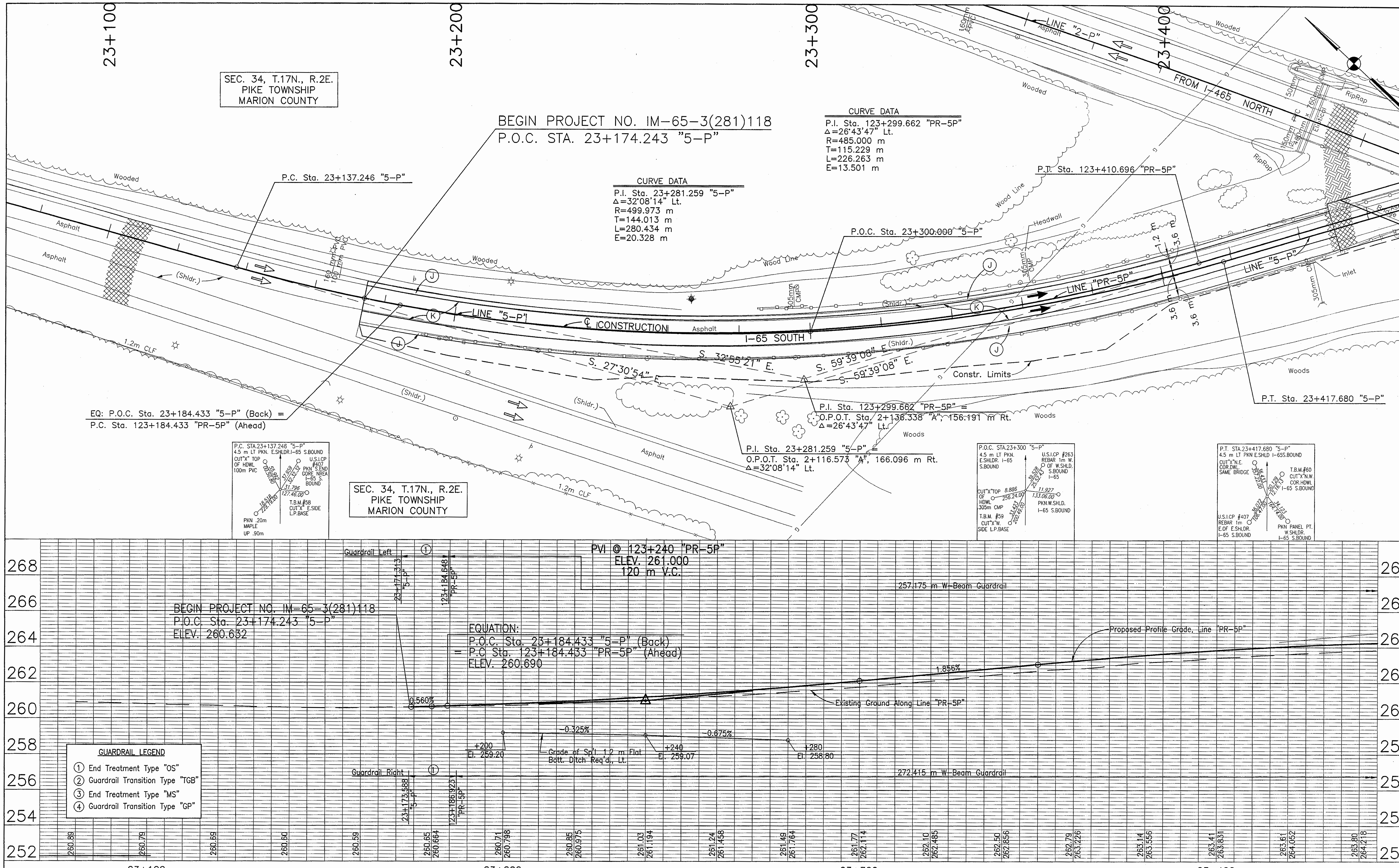
DESIGNED: J.A.T. DRAWN: J.W.M.

CHECKED: M.A.E. CHECKED: J.A.T.

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE LINE "5-P"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	102 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118


23+100
23+200
23+300
23+400
SEC. 34, T.17N., R.2E.
PIKE TOWNSHIP
MARION COUNTY
BEGIN PROJECT NO. IM-65-3(281)118
P.O.C. STA. 23+174.243 "5-P"
CURVE DATA
P.I. Sta. 123+299.662 "PR-5P"
Δ=26°43'47" Lt.
R=485.000 m
T=115.229 m
L=226.263 m
E=13.501 m
CURVE DATA
P.I. Sta. 23+281.259 "5-P"
Δ=32°08'14" Lt.
R=499.973 m
T=144.013 m
L=280.434 m
E=20.328 m
P.C. Sta. 23+137.246 "5-P"
P.I. Sta. 123+410.696 "PR-5P"
P.O.C. Sta. 23+300.000 "5-P"
LINE "2-P"
FROM I-465 NORTH
LINE "5-P"
LINE "PR-5P"
℄ CONSTRUCTION
I-65 SOUTH
S. 32°55'21" E.
S. 27°30'54" E.
S. 59°39'08" E.
Constr. Limits
EQ: P.O.C. Sta. 23+184.433 "5-P" (Back) =
P.C. Sta. 123+184.433 "PR-5P" (Ahead)
P.I. Sta. 123+299.662 "PR-5P" =
O.P.O.T. Sta. 2+136.338 "A", 156.191 m Rt.
Δ=26°43'47" Lt.
P.I. Sta. 23+281.259 "5-P" =
O.P.O.T. Sta. 2+116.573 "A", 166.096 m Rt.
Δ=32°08'14" Lt.
P.T. Sta. 23+417.680 "5-P"
Wooded
Woods
Asphalt
(Shldr.)
1.2m CLF
Wood Line
Headwall
RipRap
Inlet
PVI @ 123+240 "PR-5P"
ELEV. 261.000
120 m V.C.
Guardrail Left
23+174.313 "5-P"
123+184.648 "PR-5P"
257.175 m W-Beam Guardrail
BEGIN PROJECT NO. IM-65-3(281)118
P.O.C. Sta. 23+174.243 "5-P"
ELEV. 260.632
EQUATION:
P.O.C. Sta. 23+184.433 "5-P" (Back)
= P.C. Sta. 123+184.433 "PR-5P" (Ahead)
ELEV. 260.690
Proposed Profile Grade, Line "PR-5P"
1.856%
0.560%
Existing Ground Along Line "PR-5P"
-0.325%
-0.675%
+200
El. 259.20
Grade of Sp'l. 1.2 m Flat
Bott. Ditch Req'd., Lt.
+240
El. 259.07
+280
El. 258.80
Guardrail Right
23+173.588 "5-P"
123+186.923 "PR-5P"
272.415 m W-Beam Guardrail
GUARDRAIL LEGEND
(1) End Treatment Type "OS"
(2) Guardrail Transition Type "TGB"
(3) End Treatment Type "MS"
(4) Guardrail Transition Type "GP"
268
266
264
262
260
258
256
254
252
260.89
260.79
260.69
260.60
260.59
260.65
260.664
260.71
260.798
260.85
260.975
261.03
261.194
261.24
261.458
261.49
261.764
261.77
262.114
262.10
262.485
262.50
262.856
262.79
263.226
263.14
263.556
263.41
263.831
263.61
264.052
263.80
264.218

PROPOSED LEGEND (See Typicals)	
(A) QC/QA, 350 mm Plain Cement Concrete Pavement	(2) 1170 mm Concrete Median Barrier
(F) Fence, Chain Link, 1220 mm	(2A) Modified Concrete Median Barrier
(J) Shoulder Pavement	
(K) Mainline Pavement	

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

REGISTERED PROFESSIONAL ENGINEER — IBRAHIM SWIDAN — No. PE19600226 — STATE OF INDIANA

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 9/28/01 DATE

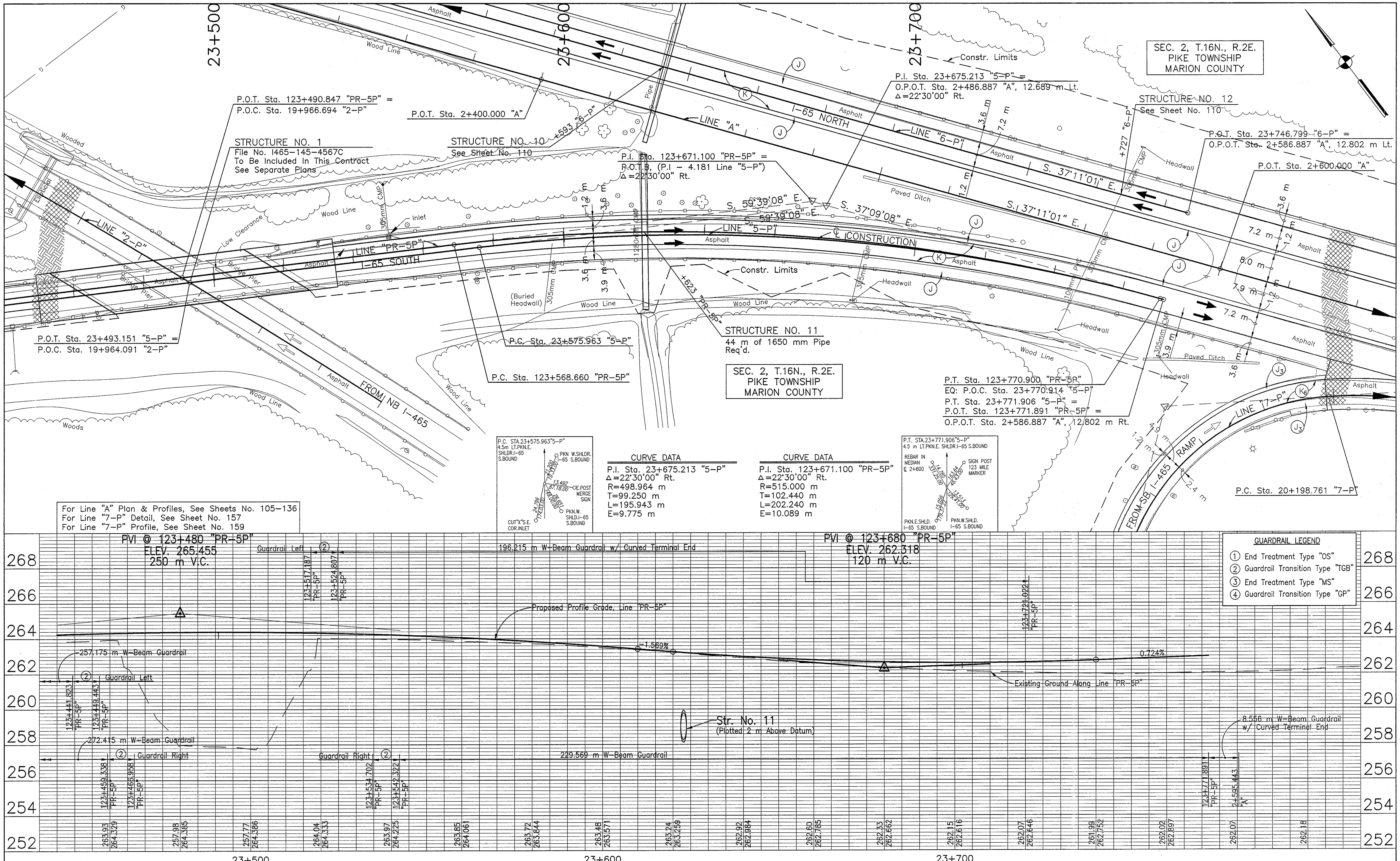
DESIGNED: J.A.T. DRAWN: J.W.M.
CHECKED: M.A.E. CHECKED: J.A.T.

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE LINE "5-P"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	103 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

Time: 8:42:30 Date: 8/25/2001 Scale: 1=1(PS) Drawing File: K-Drive\sdsk\proj\3751\ASBUILTS-DO NOT MODIFY\PLAN & PROFILES\PP-5P04.dwg (JMiller)



SEC. 2, T.16N., R.2E.
PIKE TOWNSHIP
MARION COUNTY
STRUCTURE NO. 12
See Sheet No. 110
P.O.T. Sta. 23+746.799 "6-P" =
O.P.O.T. Sta. 2+586.887 "A", 12.802 m Lt.
P.O.T. Sta. 2+600.000 "A"
P.I. Sta. 23+675.213 "5-P" =
O.P.O.T. Sta. 2+486.887 "A", 12.689 m Lt.
Δ=22°30'00" Rt.
P.O.T. Sta. 123+490.847 "PR-5P" =
P.O.C. Sta. 19+966.694 "2-P"
P.O.T. Sta. 2+400.000 "A"
STRUCTURE NO. 1
File No. I465-145-4567C
To Be Included In This Contract
See Separate Plans
STRUCTURE NO. 10
See Sheet No. 110
P.I. Sta. 123+671.100 "PR-5P" =
P.O.T.B. (P.I - 4.181 Line "5-P")
Δ=22°30'00" Rt.
I-65 NORTH
LINE "A"
LINE "6-P"
S. 37°11'01" E.
S. 59°39'08" E.
S. 37°09'08" E.
LINE "5-P"
℄ CONSTRUCTION
LINE "PR-5P"
I-65 SOUTH
LINE "2-P"
Constr. Limits
P.O.T. Sta. 23+493.151 "5-P" =
P.O.C. Sta. 19+964.091 "2-P"
P.C. Sta. 23+575.963 "5-P"
P.C. Sta. 123+568.660 "PR-5P"
STRUCTURE NO. 11
44 m of 1650 mm Pipe
Req'd.
SEC. 2, T.16N., R.2E.
PIKE TOWNSHIP
MARION COUNTY
P.T. Sta. 123+770.900 "PR-5P"
EQ: P.O.C. Sta. 23+770.914 "5-P"
P.T. Sta. 23+771.906 "5-P" =
P.O.T. Sta. 123+771.891 "PR-5P" =
O.P.O.T. Sta. 2+586.887 "A", 12.802 m Rt.
LINE "7-P"
FROM SB I-465 RAMP
P.C. Sta. 20+198.761 "7-P"
FROM NB I-465
CURVE DATA
P.I. Sta. 23+675.213 "5-P"
Δ=22°30'00" Rt.
R=498.964 m
T=99.250 m
L=195.943 m
E=9.775 m
CURVE DATA
P.I. Sta. 123+671.100 "PR-5P"
Δ=22°30'00" Rt.
R=515.000 m
T=102.440 m
L=202.240 m
E=10.089 m
For Line "A" Plan & Profiles, See Sheets No. 105-136
For Line "7-P" Detail, See Sheet No. 157
For Line "7-P" Profile, See Sheet No. 159
PVI @ 123+480 "PR-5P"
ELEV. 265.455
250 m V.C.
PVI @ 123+680 "PR-5P"
ELEV. 262.318
120 m V.C.
196.215 m W-Beam Guardrail w/ Curved Terminal End
Proposed Profile Grade, Line "PR-5P"
-1.569%
0.724%
Existing Ground Along Line "PR-5P"
257.175 m W-Beam Guardrail
272.415 m W-Beam Guardrail
229.569 m W-Beam Guardrail
8.556 m W-Beam Guardrail w/ Curved Terminal End
Str. No. 11
(Plotted 2 m Above Datum)
GUARDRAIL LEGEND
① End Treatment Type "OS"
② Guardrail Transition Type "TGB"
③ End Treatment Type "MS"
④ Guardrail Transition Type "GP"
23+500
23+600
23+700

PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (F) Fence, Chain Link, 1220 mm
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

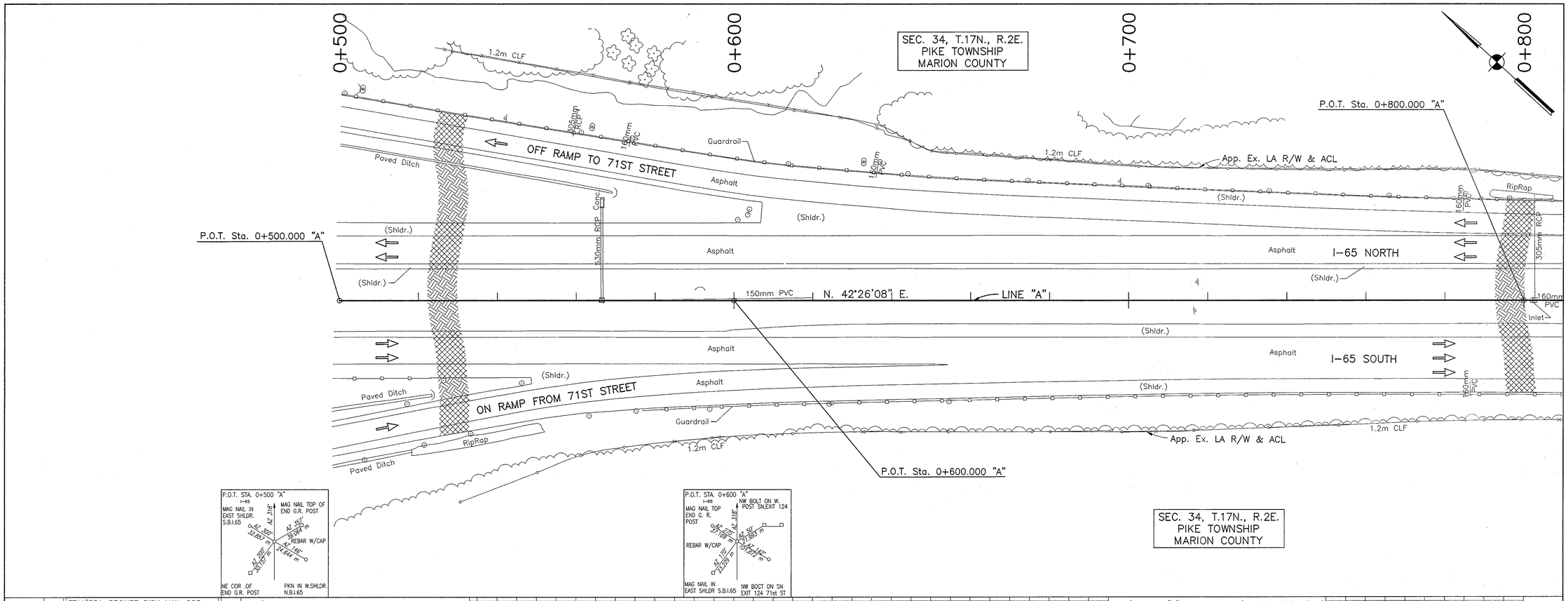
RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 9/28/01 — DATE

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

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE LINE "5-P"

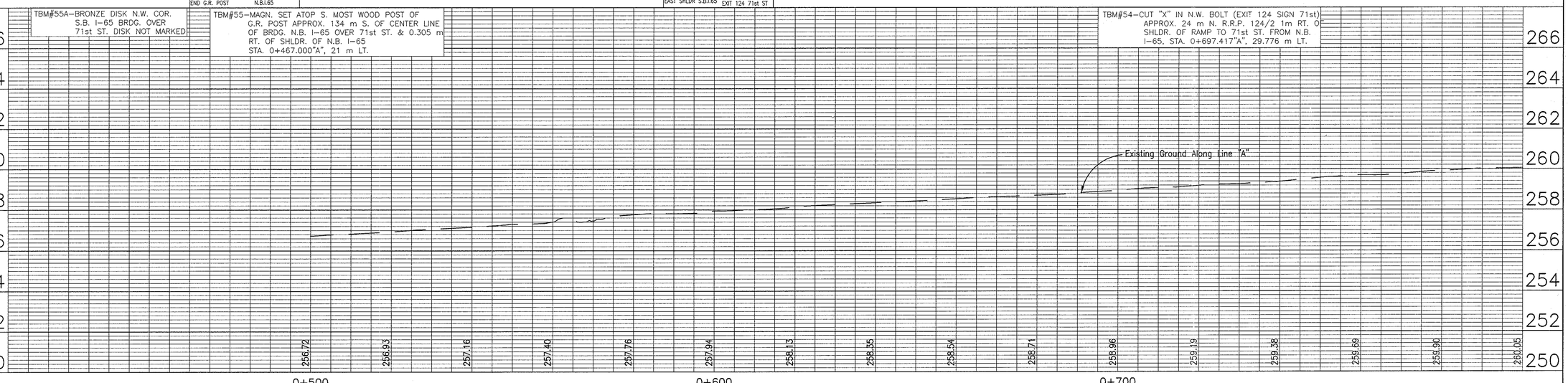
HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	104 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



TBM#55A—BRONZE DISK N.W. COR. S.B. I-65 BRDG. OVER 71st ST. DISK NOT MARKED

TBM#55—MAGN. SET ATOP S. MOST WOOD POST OF G.R. POST APPROX. 134 m S. OF CENTER LINE OF BRDG. N.B. I-65 OVER 71st ST. & 0.305 m RT. OF SHLDR. OF N.B. I-65 STA. 0+467.000"A", 21 m LT.

TBM#54—CUT "X" IN N.W. BOLT (EXIT 124 SIGN 71st) APPROX. 24 m N. R.R.P. 124/2 1m RT. OF SHLDR. OF RAMP TO 71st ST. FROM N.B. I-65, STA. 0+697.417"A", 29.776 m LT.



PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (F) Fence, Chain Link, 1220 mm
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

IBRAHIM SWIDAN — REGISTERED — No. PE19600226 — STATE OF INDIANA — PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER 9/28/01 DATE

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

CHECKED: M.A.E. CHECKED: J.A.T.

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	105 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

Time: 8:51:14
Date: 9/26/2001
Scale: 1"=1'(PS)
Drawing File: K:\Drive\sdsk\proj\375\ASBUILTS-DO NOT MODIFY\PLAN & PROFILES\pp-01.dwg (JMiller)

0+800 | 0+900 | 1+000 | 1+100

SEC. 34, T.17N., R.2E.
PIKE TOWNSHIP
MARION COUNTY

P.O.T. Sta. 0+800.000 "A"

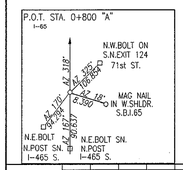
P.O.T. Sta. 1+000.000 "A"
=P.O.T. Sta. 727+00 PRLINE "E" PROJECT I-65-3(4)123
=P.O.T. Sta. 726+92.03 "E" PROJECT IM-65-3(251)

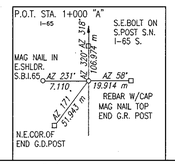
P.O.T. Sta. 22+158.960 "6-P"=
O.P.O.T. Sta. 1+000.000 "A", 12.802 m Lt.

RipRap
1.2m CLF
160mm PVC
305mm RCP
(Shldr.)
Asphalt
℄ CONSTRUCTION
160mm PVC
Conc.
305mm CMP
S. 42°26'08" E.
Inlet
App. Ex. LA R/W & ACL
I-65 NORTH
LINE "6-P"
LINE "A"
LINE "5-P"
I-65 SOUTH
Overhead Sign Structure

P.O.T. Sta. 22+158.960 "5-P"=
O.P.O.T. Sta. 1+000.000 "A", 12.802 m Rt.

P.C. Sta. 22+215.120 "5-P"

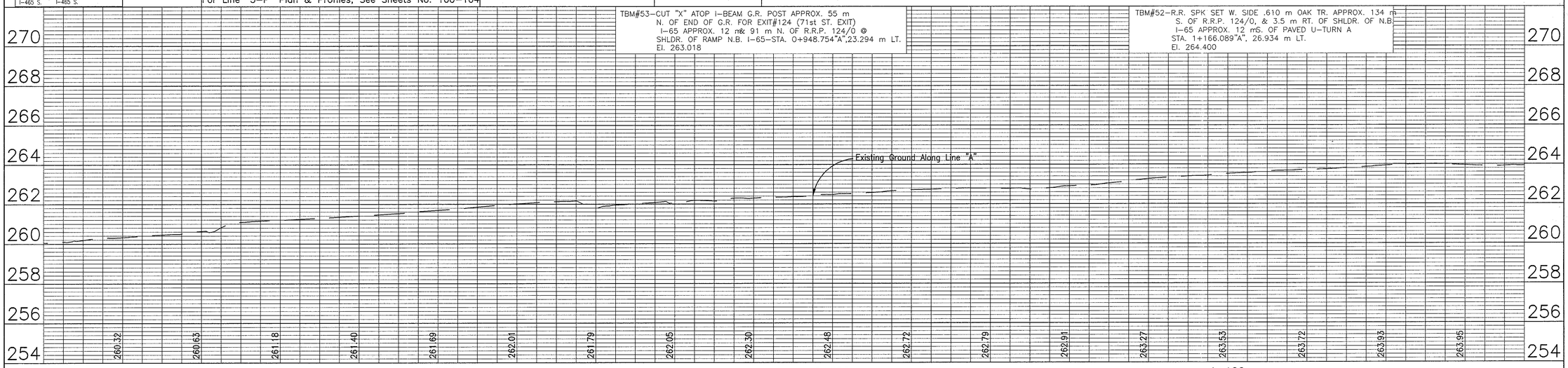




For Line "5-P" Plan & Profiles, See Sheets No. 100-104

TBM#53-CUT "X" ATOP I-BEAM G.R. POST APPROX. 55 m N. OF END OF G.R. FOR EXIT#124 (71st ST. EXIT) I-65 APPROX. 12 m& 91 m N. OF R.R.P. 124/0 @ SHLDR. OF RAMP N.B. I-65-STA. 0+948.754"A",23.294 m LT. El. 263.018

TBM#52-R.R. SPK SET W. SIDE .610 m OAK TR. APPROX. 134 m S. OF R.R.P. 124/0, & 3.5 m RT. OF SHLDR. OF N.B. I-65 APPROX. 12 m$. OF PAVED U-TURN A STA. 1+166.089"A", 26.934 m LT. El. 264.400



PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (F) Fence, Chain Link, 1220 mm
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

BRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ 9/28/01
DESIGN ENGINEER DATE

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

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	106 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

Time: 8:53:45
Date: 9/27/2001
Scale: 1=1(PS)
Drawing File: K:\Drive\sdsk\proj\375\ASBUILTS-DO NOT MODIFY\PLAN & PROFILES\PP-02.dwg (JMiller)

1+200 1+300 1+400 1+500

SEC. 34, T.17N., R.2E.
PIKE TOWNSHIP
MARION COUNTY

P.O.T. Sta. 1+200.000 "A"

I.T.S. Micro-loop Sensor System Req'd.
±Sta. 1+225 "A"

P.O.T. Sta. 1+400.000 "A"

EQ: P.C. Sta. 22+580.322 "6-P" (Back)=
P.T. Sta. 20+871.171 "2-P" (Ahead) =
O.P.O.T. Sta. 1+421.362 "A", 12.802 m Lt.

1.2m CLF
App. Ex. LA R/W & ACL
Asphalt
S. 42°26'08" E.
I-65 NORTH
LINE "6-P"
LINE "2-P"
LINE "A"
℄ CONSTRUCTION
(Shldr.)
160mm PVC
Wooded
Brass Plug in Conc.
Elec. Wire
S. B-Lane
I-65 SOUTH
LINE "5-P"
S. 27°30'54" E.
Rip Rap
610mm CMP Conc.
Swamp

P.O.C. Sta. 22+400.000 "5-P"

P.I. Sta. 22+500.973 "5-P"=
O.P.O.T. Sta. 1+342.013 "A", 12.802 m Rt.
Δ=14°55'14" Rt.

P.O.C. Sta. 22+600.000 "5-P"

P.O.T. STA. 1+200 "A"
I-65
N.E.BOLT E. POST RN. "HC"USE I-465
MAG NAIL 0.305m E N.OF S.E.P. OF TURN AROUND (U-TURN)
MAG NAIL W.SIDE 0.500 MAPLE

P.O.T. STA. 1+400 "A"
I-65
MAG NAIL IN E.SIDE 0.610 SRUCE
S.E.BOLT ON W.POST S.N.71st ST :1/4MILE
REBAR W/CAP
MAG NAIL IN N.SIDE 0.610 SRUCE
MAG NAIL E.SIDE 0.700 MAPLE

SEC. 34, T.17N., R.2E.
PIKE TOWNSHIP
MARION COUNTY

For Line "5-P" Plan & Profiles, See Sheets No. 100-104

TBM#51-CUT "X" W. MOST CONC. SIGN BASE OF INFO SIGN (71 ST. 1/4 MILE, EXIT#124) APPROX. 6 m N. OF R.R.P. 123/8, & 3.5 m RT. OF SHLDR. N.B. I-65-STA. 1+341.589"A", 26.259 m LT.
El. 263.172

TBM#50-CUT "X" W. MOST CONC. SIGN BASE OF INFO. SIGN (EAGLE CREEK PARK NEXT RT.) 3.5 m RT. OF SHLDR. N.B. I-65 APPROX. 3 m S.OF C.L. HUNTER GREEN WAY STA. 1+528.525"A", 24.589 m LT.
El. 261.966

Existing Ground Along Line "A"

270 268 266 264 262 260 258 256 254

263.94 263.98 263.93 263.80 263.59 263.58 263.45 263.27 262.99 262.90 262.95 262.87 262.70 262.46 262.38 262.29 262.25 262.37 262.44

1+200 1+300 1+400 1+500

PROPOSED LEGEND (See Typicals)
- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (F) Fence, Chain Link, 1220 mm
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND
- Existing Asphalt
- Existing Concrete
- Existing Earth

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER 9/28/01 DATE

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

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	107 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

Time: 8:24:39
Date: 9/27/2001
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Drawing File: K:\Drive\esek\proj\375\ASBUILTS-DO NOT MODIFY\PLAN & PROFILES\PP-03.dwg (JMiller)

DATE: 8/01/00

1+600 | 1+700 | 1+800 | 1+900

CURVE DATA
P.I. Sta. 22+739.246 "6-P"
Δ=05°15'07" Rt.
R=3465.135 m
T=158.924 m
L=317.626 m
E=3.643 m

CURVE DATA
P.I. Sta. 1+579.699 "A"
Δ=05°15'07" Rt.
No Curve Run

SEC. 34, T.17N., R.2E.
PIKE TOWNSHIP
MARION COUNTY

P.T. Sta. 22+897.948 "6-P"

BEGIN PROJECT NO. IM-65-3(281)118
P.O.T. Sta. 23+029.749 Line "6-P"

P.I. Sta. 22+739.246 "6-P"=
O.P.O.T. Sta. 1+579.699 "A", 12.815 m Lt.
Δ = 05°15'07" Rt.

P.I. Sta. 1+579.699 "A"
Δ = 05°15'07" Rt.

P.O.T. Sta. 1+800.000 "A"

App. Ex. LA R/W & ACL

1.2m CLF

160mm CMP

160mm PVC

(Shldr.)

I-65 NORTH

S. 37°11'01" E.

LINE "6-P"

LINE "2-P"

LINE "A"

S. 42°26'08" E.

Asphalt

Wooded

℄ CONSTRUCTION

Constr. Limits

Concrete

3.6 m

1.2 m

9.144 m

FROM I-465 NORTH

P.O.T. Sta. 1+859.777 "A" =
P.O.C. Sta. 20+431.683 "2-P"

SEC. 34, T.17N., R.2E.
PIKE TOWNSHIP
MARION COUNTY

LINE "5-P"

P.I. STA.1+579.699 "A"
MAG NAIL IN E.SIDE 0.450 MAPLE
I-65
N.W.BOLT ON W. POST S.N. EAGLE CREEK PARK NEXT RIGHT
REBAR W/CAP
MAG NAIL IN W.SIDE 0.400 PINE
N.W.BOLT L.T.P.

P.O.T. STA. 1+800 "A"
I-65
MAG NAIL IN S.W.SIDE 0.115 MAPLE
S.W.BOLT L.T.P.
REBAR W/CAP
N.E.COR.EHD. G.R.POST
N.W.BOLT L.T.P.

EARTHWORK BALANCE

Common Excavation	61,647 m^3
Fill + 20%	90,695 m^3
Borrow	29,048 m^3
Benching	40861 m^3*

There will be no direct payment for benching.

TBM#49-CUT "X" W. SIDE LIGHT BASE #170-293-APPROX. 73 m S. OF R.R.P. 123/6 3.5 RT. OF SHLDR. N.B. I-65, ACROSS FROM HSE#6361 N. LAFAYETTE RD. STA. 1+765.759"A", 25.499 m LT., El. 261.496

BEGIN PROJECT NO. IM-65-3(281)118
P.O.T. Sta. 23+029.749 "6-P"
= P.O.T. Sta. 1+869.838 "A", 12.802 m Lt.
ELEV. 261.011

Existing Ground Along Line "A"

Proposed Profile Grade, Line "6-P"

-0.430%

-0.600%

23+040 "6-P"
El. 260.20

Grade of Sp'l. 1.2 m Flat Bott. Ditch Req'd., Lt. (Plotted 2 m Below Datum)

270 268 266 264 262 260 258 256 254

262.43 262.38 262.26 262.10 261.96 261.80 261.64 261.51 261.55 261.52 261.43 261.37 261.31 261.24 261.19 261.12 261.06 260.98 260.78

1+600 | 1+700 | 1+800 | 1+900

PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (F) Fence, Chain Link, 1220 mm
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE 8/29/01

DESIGNED: J.A.T. | DRAWN: J.W.M.

CHECKED: M.A.E. | CHECKED: J.A.T.

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	108 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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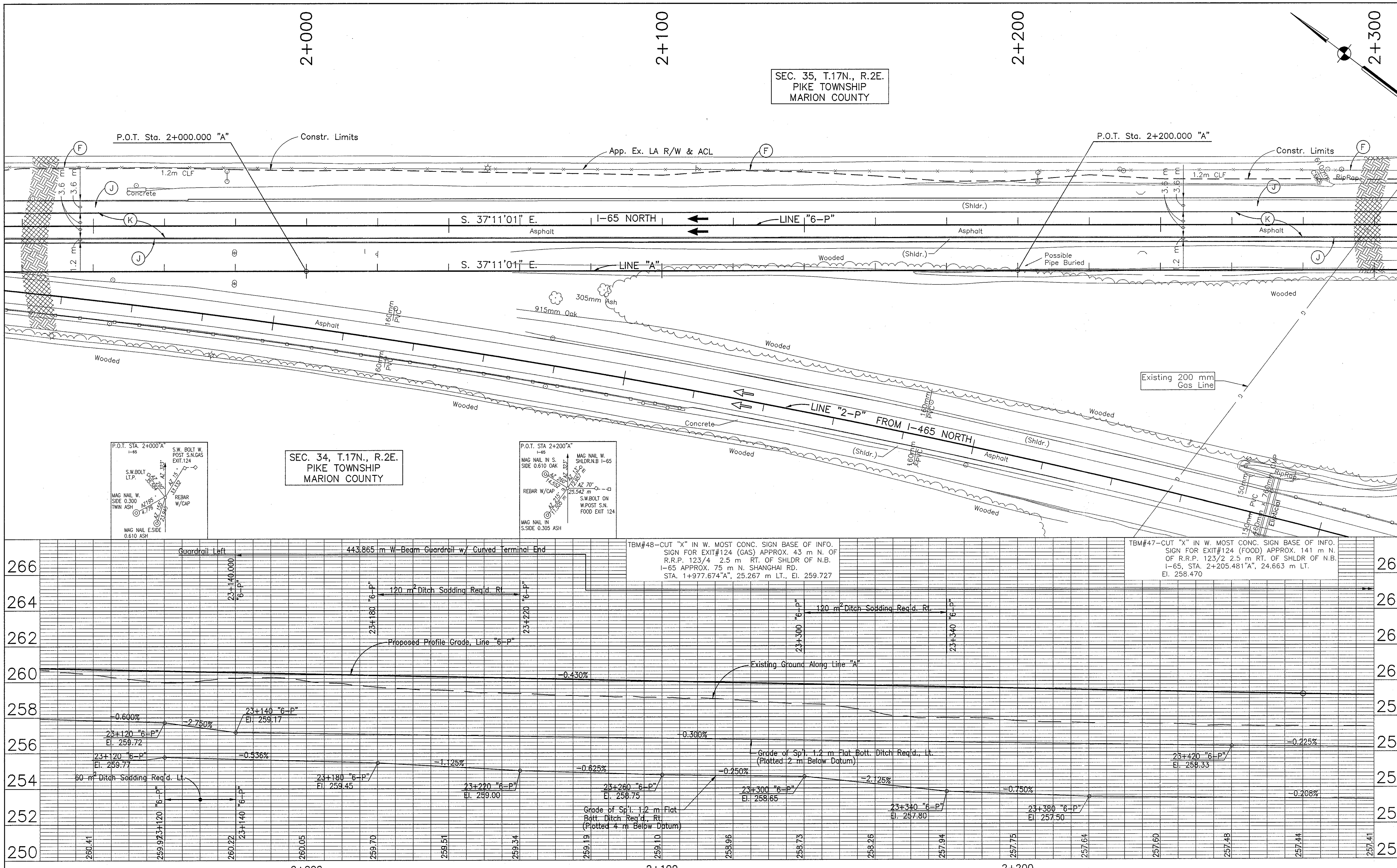

2+000
2+100
2+200
2+300
SEC. 35, T.17N., R.2E.
PIKE TOWNSHIP
MARION COUNTY
P.O.T. Sta. 2+000.000 "A"
Constr. Limits
App. Ex. LA R/W & ACL
P.O.T. Sta. 2+200.000 "A"
1.2m CLF
Concrete
S. 37°11'01" E.
I-65 NORTH
LINE "6-P"
Asphalt
(Shldr.)
LINE "A"
Wooded
Possible Pipe Buried
305mm Ash
915mm Oak
LINE "2-P" FROM I-465 NORTH
Existing 200 mm Gas Line
RipRap
SEC. 34, T.17N., R.2E.
PIKE TOWNSHIP
MARION COUNTY
TBM#48-CUT "X" IN W. MOST CONC. SIGN BASE OF INFO. SIGN FOR EXIT#124 (GAS) APPROX. 43 m N. OF R.R.P. 123/4 2.5 m RT. OF SHLDR OF N.B. I-65 APPROX. 75 m N. SHANGHAI RD. STA. 1+977.674"A", 25.267 m LT., El. 259.727
TBM#47-CUT "X" IN W. MOST CONC. SIGN BASE OF INFO. SIGN FOR EXIT#124 (FOOD) APPROX. 141 m N. OF R.R.P. 123/2 2.5 m RT. OF SHLDR OF N.B. I-65, STA. 2+205.481"A", 24.663 m LT. El. 258.470
Guardrail Left
443.865 m W-Beam Guardrail w/ Curved Terminal End
120 m² Ditch Sodding Req'd. Rt.
Proposed Profile Grade, Line "6-P"
Existing Ground Along Line "A"
-0.430%
-0.600%
-2.750%
0.300%
-0.536%
-1.125%
-0.625%
-0.250%
-2.125%
-0.750%
-0.225%
-0.208%
23+120 "6-P" El. 259.72
23+140 "6-P" El. 259.17
23+120 "6-P" El. 259.77
23+180 "6-P" El. 259.45
23+220 "6-P" El. 259.00
23+260 "6-P" El. 258.75
23+300 "6-P" El. 258.65
23+340 "6-P" El. 257.80
23+380 "6-P" El. 257.50
23+420 "6-P" El. 258.33
60 m² Ditch Sodding Req'd. Lt.
Grade of Sp'l. 1.2 m Flat Bott. Ditch Req'd., Lt. (Plotted 2 m Below Datum)
Grade of Sp'l. 1.2 m Flat Bott. Ditch Req'd., Rt. (Plotted 4 m Below Datum)
266
264
262
260
258
256
254
252
250
260.41
259.97
260.22
260.05
259.70
259.51
259.34
259.19
259.10
258.96
258.73
258.26
257.94
257.75
257.64
257.60
257.48
257.44
257.41

PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (F) Fence, Chain Link, 1220 mm
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

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

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	109 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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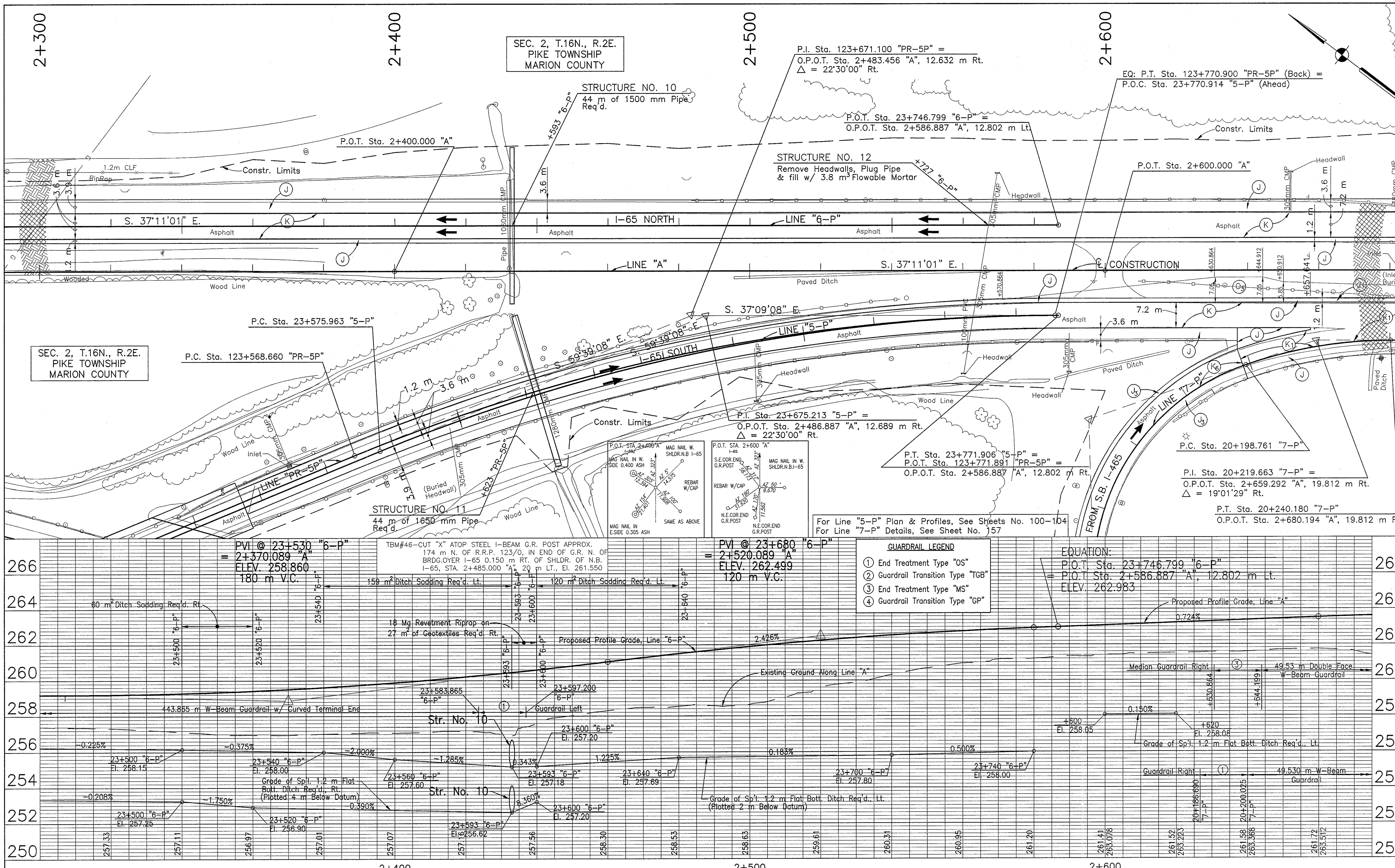
2+300
2+400
2+500
2+600
SEC. 2, T.16N., R.2E.
PIKE TOWNSHIP
MARION COUNTY
STRUCTURE NO. 10
44 m of 1500 mm Pipe Req'd.
P.O.T. Sta. 2+400.000 "A"
Constr. Limits
I-65 NORTH
LINE "6-P"
LINE "A"
S. 37°11'01" E.
Asphalt
Wood Line
Paved Ditch
STRUCTURE NO. 12
Remove Headwalls, Plug Pipe & fill w/ 3.8 m³ Flowable Mortar
P.I. Sta. 123+671.100 "PR-5P" =
O.P.O.T. Sta. 2+483.456 "A", 12.632 m Rt.
Δ = 22°30'00" Rt.
P.O.T. Sta. 23+746.799 "6-P" =
O.P.O.T. Sta. 2+586.887 "A", 12.802 m Lt.
EQ: P.T. Sta. 123+770.900 "PR-5P" (Back) =
P.O.C. Sta. 23+770.914 "5-P" (Ahead)
P.O.T. Sta. 2+600.000 "A"
℄ CONSTRUCTION
S. 37°09'08" E.
S. 59°39'08" E.
LINE "5-P"
I-65 SOUTH
P.C. Sta. 23+575.963 "5-P"
P.C. Sta. 123+568.660 "PR-5P"
LINE "PR-5P"
STRUCTURE NO. 11
44 m of 1650 mm Pipe Req'd.
P.I. Sta. 23+675.213 "5-P" =
O.P.O.T. Sta. 2+486.887 "A", 12.689 m Rt.
Δ = 22°30'00" Rt.
P.T. Sta. 23+771.906 "5-P" =
P.O.T. Sta. 123+771.891 "PR-5P" =
O.P.O.T. Sta. 2+586.887 "A", 12.802 m Rt.
LINE "7-P"
FROM S.B. I-465
P.C. Sta. 20+198.761 "7-P"
P.I. Sta. 20+219.663 "7-P" =
O.P.O.T. Sta. 2+659.292 "A", 19.812 m Rt.
Δ = 19°01'29" Rt.
P.T. Sta. 20+240.180 "7-P"
O.P.O.T. Sta. 2+680.194 "A", 19.812 m Rt.
For Line "5-P" Plan & Profiles, See Sheets No. 100-104
For Line "7-P" Details, See Sheet No. 157
PVI @ 23+530 "6-P"
= 2+370.089 "A"
ELEV. 258.860
180 m V.C.
TBM#46-CUT "X" ATOP STEEL I-BEAM G.R. POST APPROX. 174 m N. OF R.R.P. 123/0, IN END OF G.R. N. OF BRDG.OYER I-65 0.150 m RT. OF SHLDR. OF N.B. I-65, STA. 2+485.000 "A", 20 m LT., EL. 261.550
PVI @ 23+680 "6-P"
= 2+520.089 "A"
ELEV. 262.499
120 m V.C.
GUARDRAIL LEGEND
1 End Treatment Type "OS"
2 Guardrail Transition Type "TGB"
3 End Treatment Type "MS"
4 Guardrail Transition Type "GP"
EQUATION:
P.O.T. Sta. 23+746.799 "6-P"
= P.O.T. Sta. 2+586.887 "A", 12.802 m Lt.
ELEV. 262.983
159 m² Ditch Sodding Req'd. Lt.
120 m² Ditch Sodding Req'd. Lt.
60 m² Ditch Sodding Req'd. Rt.
18 Mg Revetment Riprap on 27 m² of Geotextiles Req'd. Rt.
Proposed Profile Grade, Line "6-P"
Proposed Profile Grade, Line "A"
Existing Ground Along Line "A"
443.865 m W-Beam Guardrail w/ Curved Terminal End
Median Guardrail Right
49.53 m Double Face W-Beam Guardrail
Guardrail Left
Guardrail Right
49.530 m W-Beam Guardrail
Str. No. 10
Grade of Sp'l. 1.2 m Flat Bott. Ditch Req'd., Lt.
Grade of Sp'l. 1.2 m Flat Bott. Ditch Req'd., Rt. (Plotted 4 m Below Datum)
Grade of Sp'l. 1.2 m Flat Bott. Ditch Req'd., Lt. (Plotted 2 m Below Datum)
266
264
262
260
258
256
254
252
250

PROPOSED LEGEND (See Typicals)	
(A) QC/QA, 350 mm Plain Cement Concrete Pavement	(2) 1170 mm Concrete Median Barrier
(F) Fence, Chain Link, 1220 mm	(2A) Modified Concrete Median Barrier
(J) Shoulder Pavement	(O3) Rap (Existing Bituminous Milled Material)
(K) Mainline Pavement	

EXISTING LEGEND
- Existing Asphalt
- Existing Concrete
- Existing Earth

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 9/28/01

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

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	110 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

P.O.T. Sta. 19+780 "7-P"

P.I. Sta. 19.853.916 "8-P"=
O.P.O.T. Sta. 19+773.500 "M",
20.117 m Rt.
Δ=76°22'58" Rt.

P.O.T. Sta. 2+708.728 "A" =
P.O.T. Sta. 19+833.128 "7-P"

STRUCTURE NO. 2
File No. I65-123-4569C
To Be Included In This Contract
See Separate Plans

EQ:
P.T. Sta. 0+234.970 "PR-8P" (Back) =
P.O.C. Sta. 19+743.132 "8-P" (Ahead)

CURVE DATA
P.I. Sta. 0+117.860 "PR-8P"
Δ=11°13'39" Rt.
R=1200.000 m
T=117.863 m
L=234.972 m
E=5.774 m

P.C. Sta. 19+711.747 "8-P"

SEC. 2, T.16N., R.2E.
PIKE TOWNSHIP
MARION COUNTY

STRUCTURE NO. 13
Inlet Type H-5, 42.5 m of
375 mm Pipe & 1 Pipe
End Section Req'd.

P.C. Sta. 2+773.594 "A"

LINE "8-P" TO N.B. I-465

LINE "8-P"

LINE "PR-8P"

N. 34°36'43" W.

I-65 NORTH

I-65 SOUTH

S. 36°48'43" E.

LINE "A"
℄ CONSTRUCTION

I.T.S. Micro-loop Sensor System Req'd.
±Sta. 2+780 "A"

P.O.T. Sta. 2+729.224 "A" =
P.O.T. Sta. 19+732.865 "M"

P.I. Sta. 2+849.794 "A"
Δ=00°22'18" Rt.

P.T. Sta. 2+925.994 "A"

P.O.T. Sta. 20+240.180 "7-P"

P.O.T. Sta. 20+259.429 "7-P" =
O.P.O.T. Sta. 2+699.442 "A",
19.812 m Rt.

P.C. Sta. 19+898.808 "7-P"

STRUCTURE NO. 3
File No. I65-123-4569JC
To Be Included In This Contract
See Separate Plans

139.78 Median Barrier Taper (20:1)

311.34 m Median Width Transition From 9.144 m To 3.955 m (60:1)

App. Ex. LA R/W & ACL

For Line "8-P" Details, See Sheet No. 158
For Line "8-P" Profiles, See Sheets No. 160

SEC. 2, T.16N., R.2E.
PIKE TOWNSHIP
MARION COUNTY

49.530 m W-Beam Guardrail

PVI @ 2+730
ELEV. 264.019
140 m V.C.

TBM#45-CUT SQUARE IN S.E. W.W. OF N.B. I-65 APPROX. 3 m N. OF R.R.P. 122/+92 N., & 3.5 m RT. OF C.L. N.B. I-65, STA. 2+759.321"A", 18.748 m LT. El. 262.956

(ADJ.-.045/16=-.002813/TURN)
BRONZE DISK NE. W.W. N.B. I-65 BRDG. OVER I-465 ISHC MAR G-67

PVI @ 2+900
ELEV. 261.838
140 m V.C.

TBM#44-CUT "X" ATOP STEEL I-BEAM G.R. POST APPROX. 5 m N. OF R.R.P. 122/8 ON N.B. I-65 @ DEL. POST. STA. 2+944.779"A", 19.443 m LT., El. 260.743

Guardrail Right ② +689.568 +697.188

Guardrail Right ② +769.618 +777.236

544.830 m W-Beam Guardrail w/ Curved Terminal End

Median Guardrail Right ② +653.729 +761.349

Guardrail Left ② +761.056 +768.676

31.915 m W-Beam Guardrail ① +850.591 +882.926

49.53 m Double Face W-Beam Guardrail (30:1 Taper)

GUARDRAIL LEGEND
① End Treatment Type "OS"
② Guardrail Transition Type "TGB"
③ End Treatment Type "MS"
④ Guardrail Transition Type "GP"

PROPOSED LEGEND (See Typicals)
(A) QC/QA, 350 mm Plain Cement Concrete Pavement
(F) Fence, Chain Link, 1220 mm
(J) Shoulder Pavement
(K) Mainline Pavement
(2) 1170 mm Concrete Median Barrier
(2A) Modified Concrete Median Barrier

EXISTING LEGEND
Existing Asphalt
Existing Concrete
Existing Earth

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 9/28/01 DATE

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

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	111 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

Time: 9:26:36
Date: 9/28/2001
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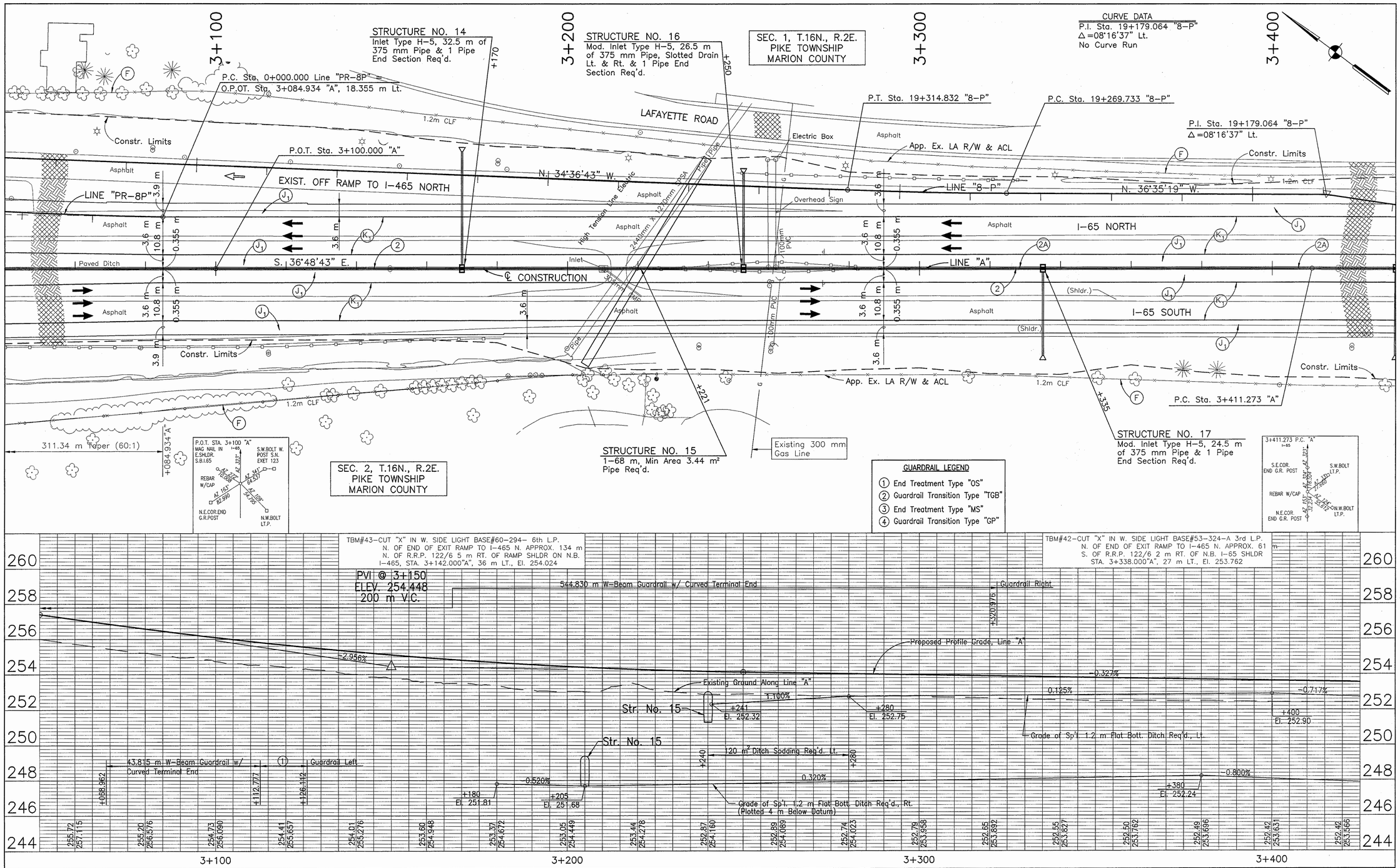

PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (F) Fence, Chain Link, 1220 mm
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

IBRAHIM SHEHAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER 9/28/01 DATE

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

CHECKED: M.A.E. CHECKED: J.A.T.

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	112 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

Time: 9:11:17
Date: 8/25/2001
Scale: 1"=10(PS)
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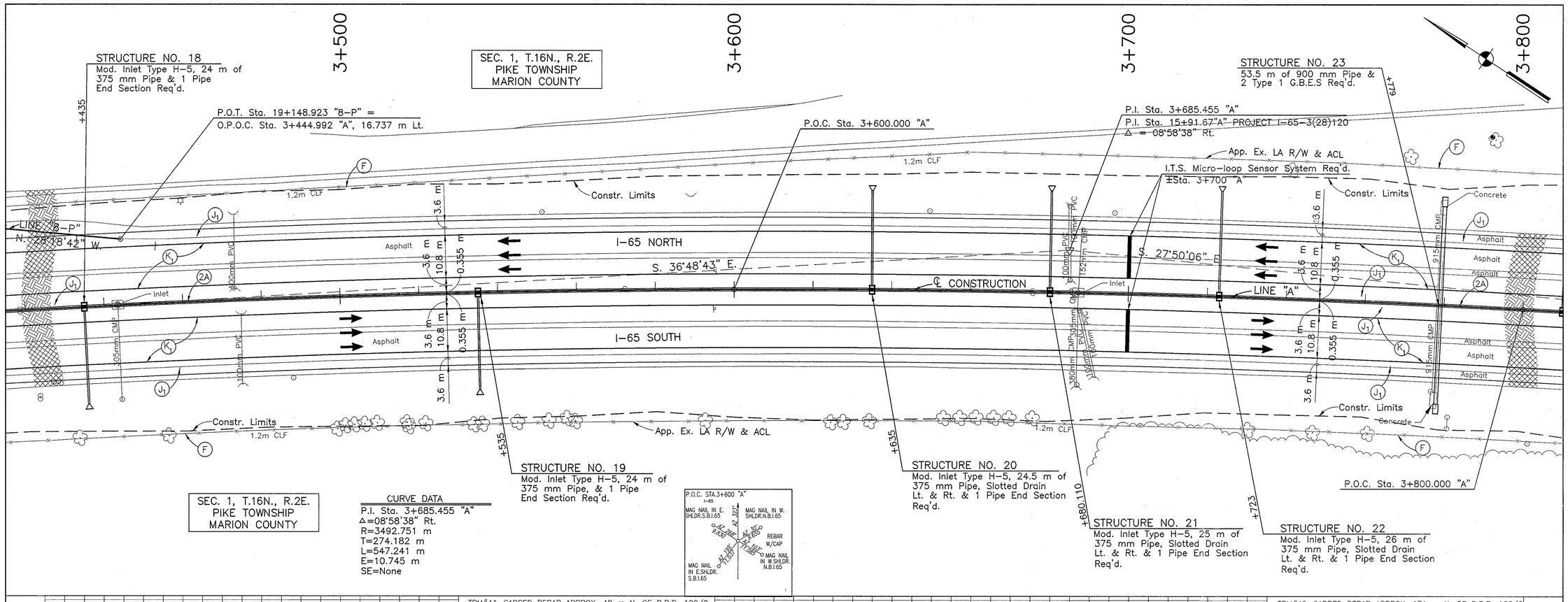


PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (F) Fence, Chain Link, 1220 mm
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

IBRAHIM M. SWAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ 9/28/01
DESIGN ENGINEER DATE

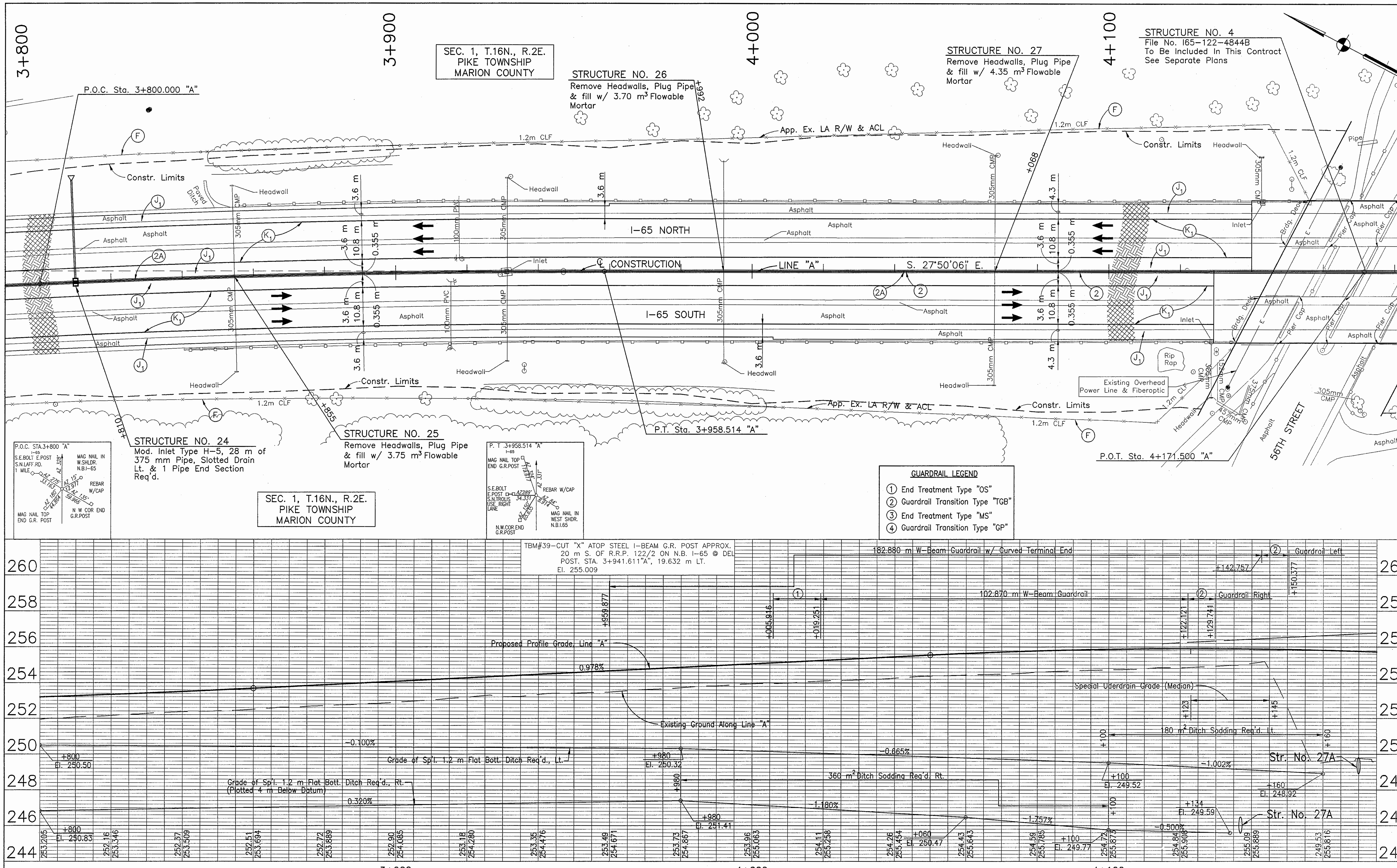
DESIGNED: J.A.T. DRAWN: J.W.M.
CHECKED: M.A.E. CHECKED: J.A.T.

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	113 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

Time: 9:14:09
Date: 9/25/2001
Scale: 1=1(HS)
Drawing File: H:\Drive\data\proj\375\ASBUILTS-DO NOT MODIFY\PLAN & PROFILES\PP-09.dwg (Miller)


3+800
3+900
4+000
4+100
SEC. 1, T.16N., R.2E. PIKE TOWNSHIP MARION COUNTY
STRUCTURE NO. 26 Remove Headwalls, Plug Pipe & fill w/ 3.70 m³ Flowable Mortar
STRUCTURE NO. 27 Remove Headwalls, Plug Pipe & fill w/ 4.35 m³ Flowable Mortar
STRUCTURE NO. 4 File No. I65-122-4844B To Be Included In This Contract See Separate Plans
P.O.C. Sta. 3+800.000 "A"
I-65 NORTH
I-65 SOUTH
CONSTRUCTION LINE "A" S. 27°50'06" E.
App. Ex. LA R/W & ACL
Constr. Limits
1.2m CLF
STRUCTURE NO. 24 Mod. Inlet Type H-5, 28 m of 375 mm Pipe, Slotted Drain Lt. & 1 Pipe End Section Req'd.
STRUCTURE NO. 25 Remove Headwalls, Plug Pipe & fill w/ 3.75 m³ Flowable Mortar
P.T. Sta. 3+958.514 "A"
P.O.T. Sta. 4+171.500 "A"
56TH STREET
Existing Overhead Power Line & Fiberoptic
GUARDRAIL LEGEND
1 End Treatment Type "OS"
2 Guardrail Transition Type "TGB"
3 End Treatment Type "MS"
4 Guardrail Transition Type "GP"
TBM#39-CUT "X" ATOP STEEL I-BEAM G.R. POST APPROX. 20 m S. OF R.R.P. 122/2 ON N.B. I-65 @ DEL POST. STA. 3+941.611"A", 19.632 m LT. El. 255.009
182.880 m W-Beam Guardrail w/ Curved Terminal End
102.870 m W-Beam Guardrail
Guardrail Left
Guardrail Right
Proposed Profile Grade Line "A"
0.978%
Existing Ground Along Line "A"
Special Uderdrain Grade (Median)
180 m² Ditch Sodding Req'd. Lt.
360 m² Ditch Sodding Req'd. Rt.
Grade of Sp'l. 1.2 m Flat Bott. Ditch Req'd., Lt.
Grade of Sp'l. 1.2 m Flat Bott. Ditch Req'd., Rt. (Plotted 4 m Below Datum)
Str. No. 27A

PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (F) Fence, Chain Link, 1220 mm
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

BRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

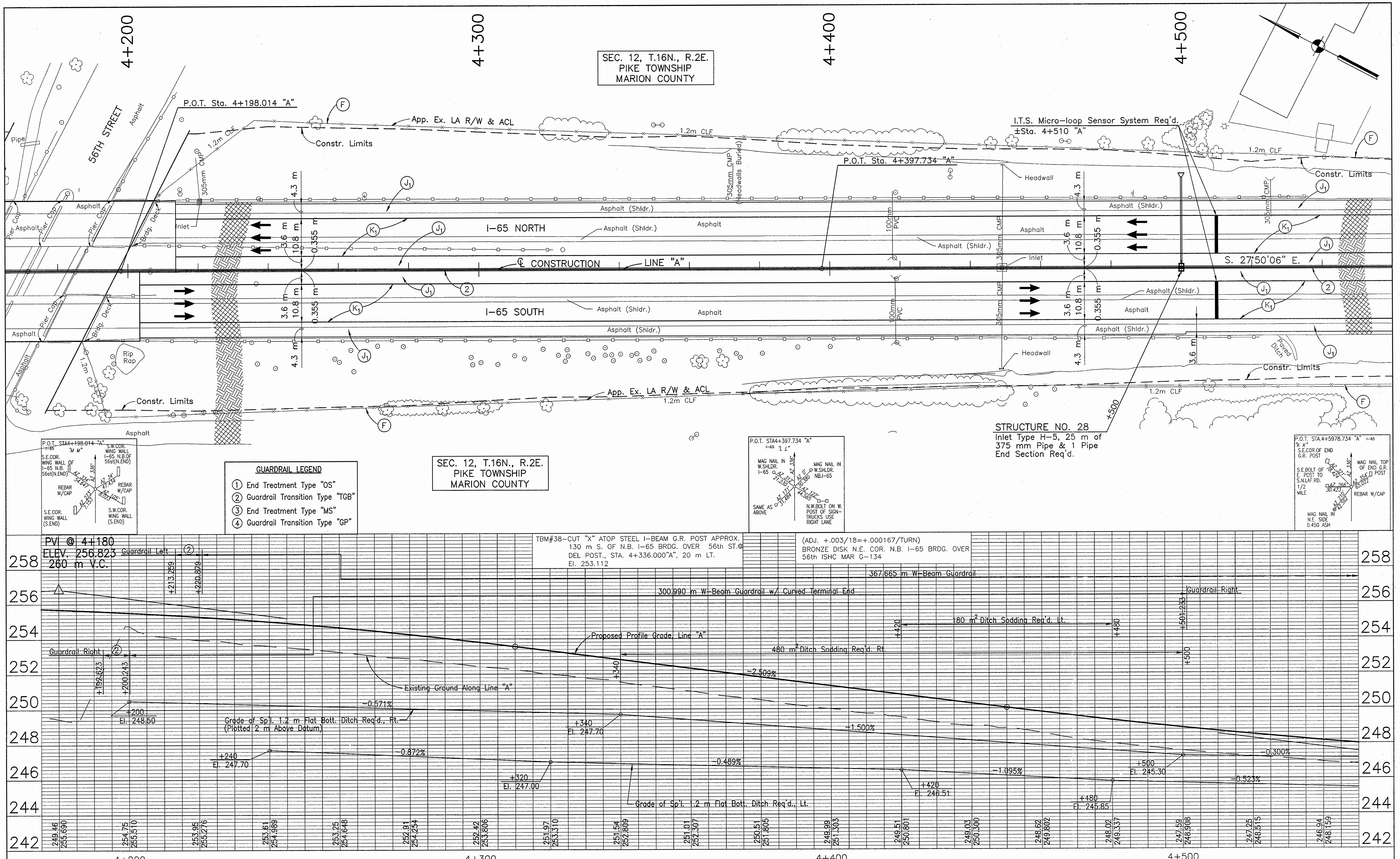
RECOMMENDED FOR APPROVAL — DESIGN ENGINEER 9/28/01 DATE

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

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	114 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



4+200
4+300
4+400
4+500
SEC. 12, T.16N., R.2E.
PIKE TOWNSHIP
MARION COUNTY
56TH STREET
P.O.T. Sta. 4+198.014 "A"
App. Ex. LA R/W & ACL
Constr. Limits
1.2m CLF
305mm CMP
305mm CMP (Headwalls Buried)
P.O.T. Sta. 4+397.734 "A"
I.T.S. Micro-loop Sensor System Req'd.
±Sta. 4+510 "A"
Headwall
Inlet
I-65 NORTH
I-65 SOUTH
Asphalt (Shldr.)
Asphalt
CONSTRUCTION LINE "A"
S. 27°50'06" E.
100mm PVC
Rip Rap
Pier Cap
Brdg. Deck
Paved Ditch
STRUCTURE NO. 28
Inlet Type H-5, 25 m of 375 mm Pipe & 1 Pipe End Section Req'd.
GUARDRAIL LEGEND
① End Treatment Type "OS"
② Guardrail Transition Type "TGB"
③ End Treatment Type "MS"
④ Guardrail Transition Type "GP"
PVI @ 4+180
ELEV. 256.823
260 m V.C.
Guardrail Left
Guardrail Right
TBM#38–CUT "X" ATOP STEEL I-BEAM G.R. POST APPROX. 130 m S. OF N.B. I-65 BRDG. OVER 56th ST.@ DEL POST., STA. 4+336.000"A", 20 m LT. El. 253.112
(ADJ. +.003/18=+.000167/TURN) BRONZE DISK N.E. COR. N.B. I-65 BRDG. OVER 56th ISHC MAR G-134
367.665 m W-Beam Guardrail
300.990 m W-Beam Guardrail w/ Curved Terminal End
180 m² Ditch Sodding Req'd. Lt.
480 m² Ditch Sodding Req'd. Rt.
Proposed Profile Grade, Line "A"
Existing Ground Along Line "A"
Grade of Sp'l. 1.2 m Flat Bott. Ditch Req'd., Rt. (Plotted 2 m Above Datum)
Grade of Sp'l. 1.2 m Flat Bott. Ditch Req'd., Lt.
−2.509%
−0.571%
−0.872%
−0.489%
−1.500%
−1.095%
−0.300%
−0.523%
+200 El. 248.50
+240 El. 247.70
+320 El. 247.00
+340 El. 247.70
+420 El. 246.51
+480 El. 245.85
+500 El. 245.30
258
256
254
252
250
248
246
244
242

PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (F) Fence, Chain Link, 1220 mm
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER — IBRAHIM SWIDAN

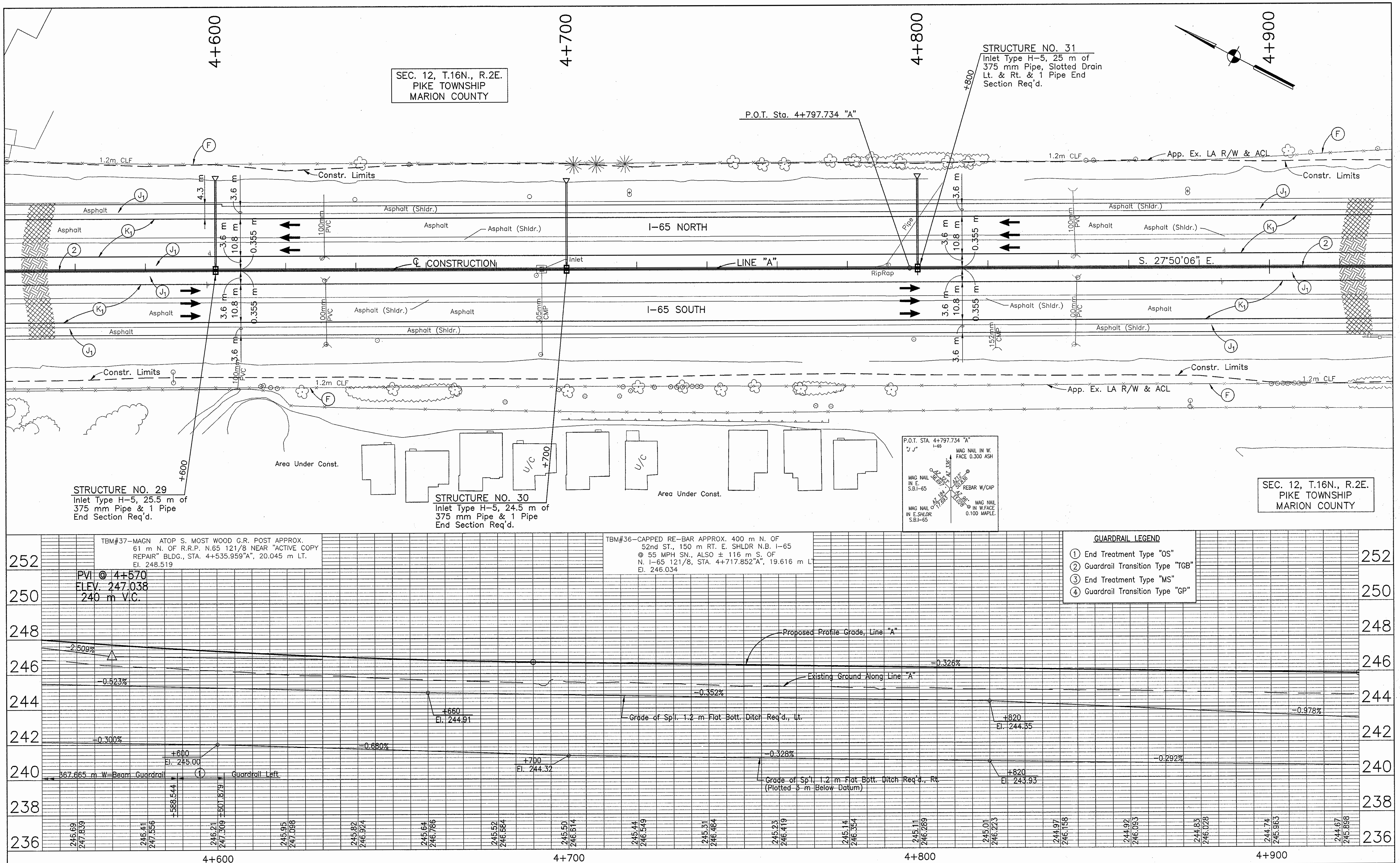
RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 9/28/01

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

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	115 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118


4+600
4+700
4+800
4+900
SEC. 12, T.16N., R.2E.
PIKE TOWNSHIP
MARION COUNTY
STRUCTURE NO. 31
Inlet Type H-5, 25 m of 375 mm Pipe, Slotted Drain Lt. & Rt. & 1 Pipe End Section Req'd.
P.O.T. Sta. 4+797.734 "A"
1.2m CLF
Constr. Limits
App. Ex. LA R/W & ACL
Asphalt
Asphalt (Shldr.)
I-65 NORTH
I-65 SOUTH
CONSTRUCTION
LINE "A"
S. 27°50'06" E.
RipRap
Inlet
100mm PVC
305mm CMP
152mm CMP
3.6 m
10.8 m
0.355 m
4.3 m
Area Under Const.
U/C
STRUCTURE NO. 29
Inlet Type H-5, 25.5 m of 375 mm Pipe & 1 Pipe End Section Req'd.
STRUCTURE NO. 30
Inlet Type H-5, 24.5 m of 375 mm Pipe & 1 Pipe End Section Req'd.
SEC. 12, T.16N., R.2E.
PIKE TOWNSHIP
MARION COUNTY
P.O.T. STA. 4+797.734 "A"
MAG NAIL IN W. FACE 0.300 ASH
MAG NAIL IN E. S.B.I-65
REBAR W/CAP
MAG NAIL IN W.FACE 0.100 MAPLE
MAG NAIL IN E.SHLDR. S.B.I-65
TBM#37-MAGN ATOP S. MOST WOOD G.R. POST APPROX. 61 m N. OF R.R.P. N.65 121/8 NEAR "ACTIVE COPY REPAIR" BLDG., STA. 4+535.959"A", 20.045 m LT. El. 248.519
TBM#36-CAPPED RE-BAR APPROX. 400 m N. OF 52nd ST., 150 m RT. E. SHLDR N.B. I-65 @ 55 MPH SN., ALSO ± 116 m S. OF N. I-65 121/8, STA. 4+717.852"A", 19.616 m LT. El. 246.034
GUARDRAIL LEGEND
1 End Treatment Type "OS"
2 Guardrail Transition Type "TGB"
3 End Treatment Type "MS"
4 Guardrail Transition Type "GP"
PVI @ 4+570
ELEV. 247.038
240 m V.C.
-2.509%
-0.523%
Proposed Profile Grade, Line "A"
-0.326%
Existing Ground Along Line "A"
-0.352%
+660
El. 244.91
Grade of Sp'l. 1.2 m Flat Bott. Ditch Req'd., Lt.
+820
El. 244.35
-0.978%
-0.300%
-0.680%
+600
El. 245.00
+700
El. 244.32
-0.328%
-0.292%
Grade of Sp'l. 1.2 m Flat Bott. Ditch Req'd., Rt. (Plotted 3 m Below Datum)
+820
El. 243.93
367.665 m W-Beam Guardrail
Guardrail Left
+588.544
+601.879
252
250
248
246
244
242
240
238
236
246.69 247.839
246.41 247.556
246.21 247.309
245.95 247.098
245.82 246.924
245.64 246.786
245.52 246.684
245.50 246.614
245.44 246.549
245.31 246.484
245.23 246.419
245.14 246.354
245.11 246.289
245.01 246.223
244.97 246.158
244.92 246.093
244.83 246.028
244.74 245.963
244.67 245.898

PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (F) Fence, Chain Link, 1220 mm
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

REGISTERED IBRAHIM SMIDH No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL: DESIGN ENGINEER 9/28/01 DATE

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

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
LINE "A"

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 9614680
SURVEY BOOK	SHEETS 116 of 520
CONTRACT R-24327	PROJECT IM-65-3(281)118

Time: 9:19:17
Date: 8/28/2001
Scale: 1=10(PS)
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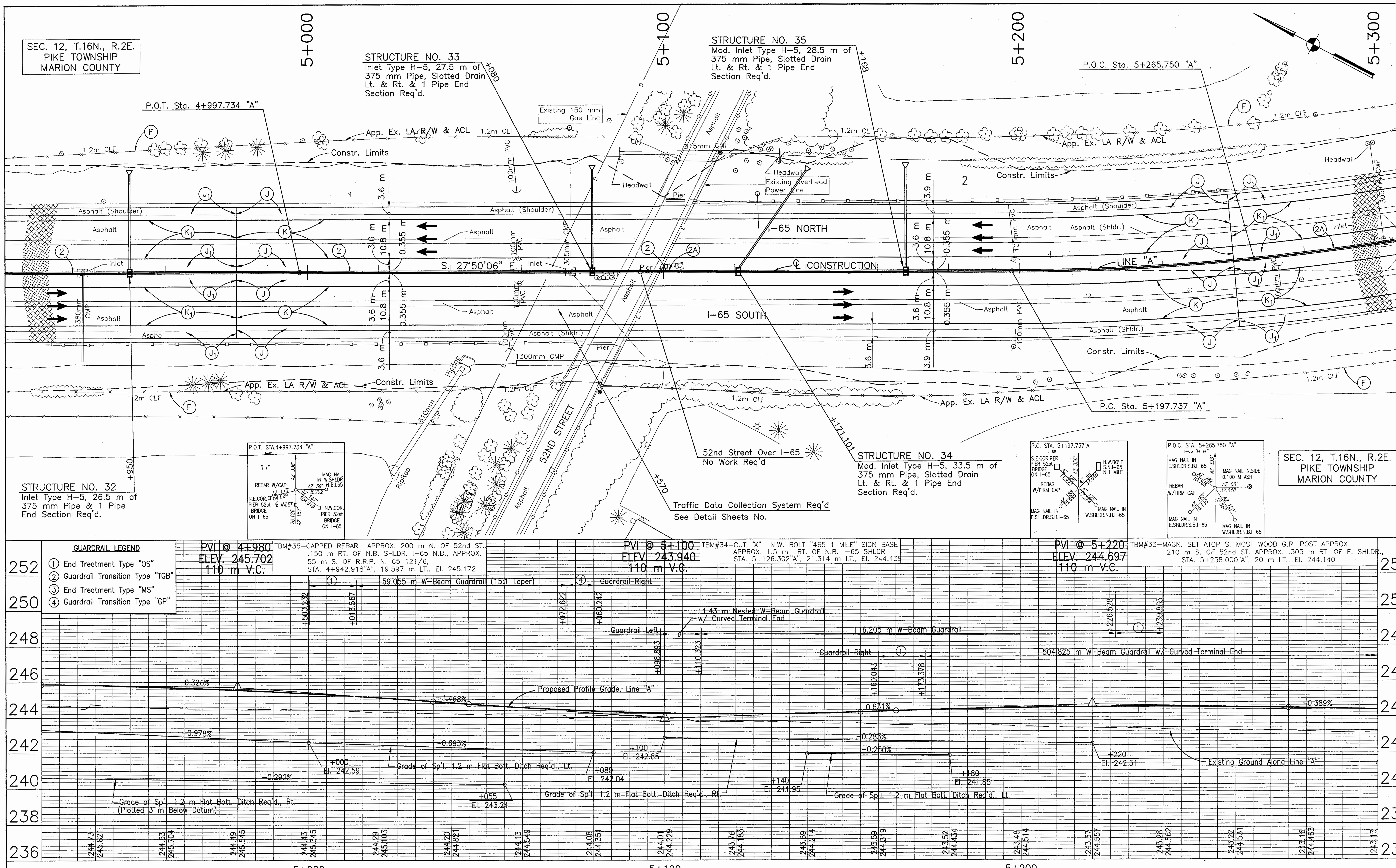

SEC. 12, T.16N., R.2E.
PIKE TOWNSHIP
MARION COUNTY
5+000
5+100
5+200
5+300
STRUCTURE NO. 33
Inlet Type H-5, 27.5 m of 375 mm Pipe, Slotted Drain Lt. & Rt. & 1 Pipe End Section Req'd.
+080
STRUCTURE NO. 35
Mod. Inlet Type H-5, 28.5 m of 375 mm Pipe, Slotted Drain Lt. & Rt. & 1 Pipe End Section Req'd.
+168
P.O.C. Sta. 5+265.750 "A"
P.O.T. Sta. 4+997.734 "A"
Existing 150 mm Gas Line
App. Ex. LA R/W & ACL
Constr. Limits
1.2m CLF
Headwall
Existing Overhead Power Line
Pier
I-65 NORTH
I-65 SOUTH
℄ CONSTRUCTION
LINE "A"
S 27°50'06" E
Asphalt (Shoulder)
Asphalt
1300mm CMP
52ND STREET
RipRap
P.C. Sta. 5+197.737 "A"
+121.101
52nd Street Over I-65
No Work Req'd
STRUCTURE NO. 34
Mod. Inlet Type H-5, 33.5 m of 375 mm Pipe, Slotted Drain Lt. & Rt. & 1 Pipe End Section Req'd.
+570
Traffic Data Collection System Req'd
See Detail Sheets No.
STRUCTURE NO. 32
Inlet Type H-5, 26.5 m of 375 mm Pipe & 1 Pipe End Section Req'd.
+950
GUARDRAIL LEGEND
① End Treatment Type "OS"
② Guardrail Transition Type "TGB"
③ End Treatment Type "MS"
④ Guardrail Transition Type "GP"
PVI @ 4+980
ELEV. 245.702
110 m V.C.
TBM#35-CAPPED REBAR APPROX. 200 m N. OF 52nd ST. .150 m RT. OF N.B. SHLDR. I-65 N.B., APPROX. 55 m S. OF R.R.P. N. 65 121/6, STA. 4+942.918"A", 19.597 m LT., EL. 245.172
PVI @ 5+100
ELEV. 243.940
110 m V.C.
TBM#34-CUT "X" N.W. BOLT "465 1 MILE" SIGN BASE APPROX. 1.5 m RT. OF N.B. I-65 SHLDR STA. 5+126.302"A", 21.314 m LT., EL. 244.439
PVI @ 5+220
ELEV. 244.697
110 m V.C.
TBM#33-MAGN. SET ATOP S. MOST WOOD G.R. POST APPROX. 210 m S. OF 52nd ST. APPROX. .305 m RT. OF E. SHLDR. STA. 5+258.000"A", 20 m LT., EL. 244.140
59.055 m W-Beam Guardrail (15:1 Taper)
Guardrail Right
11.43 m Nested W-Beam Guardrail w/ Curved Terminal End
Guardrail Left
116.205 m W-Beam Guardrail
504.825 m W-Beam Guardrail w/ Curved Terminal End
Proposed Profile Grade, Line "A"
Existing Ground Along Line "A"
Grade of Sp'l. 1.2 m Flat Bott. Ditch Req'd., Lt.
Grade of Sp'l. 1.2 m Flat Bott. Ditch Req'd., Rt. (Plotted 3 m Below Datum)
Grade of Sp'l. 1.2 m Flat Bott. Ditch Req'd., Rt.
Grade of Sp'l. 1.2 m Flat Bott. Ditch Req'd., Lt.
0.326%
-1.468%
0.631%
-0.389%
-0.978%
-0.693%
-0.292%
-0.283%
-0.250%
+000 El. 242.59
+055 El. 243.24
+080 El. 242.04
+100 El. 242.85
+140 El. 241.95
+180 El. 241.85
+220 El. 242.51

PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (F) Fence, Chain Link, 1220 mm
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] DESIGN ENGINEER 9/28/01 DATE

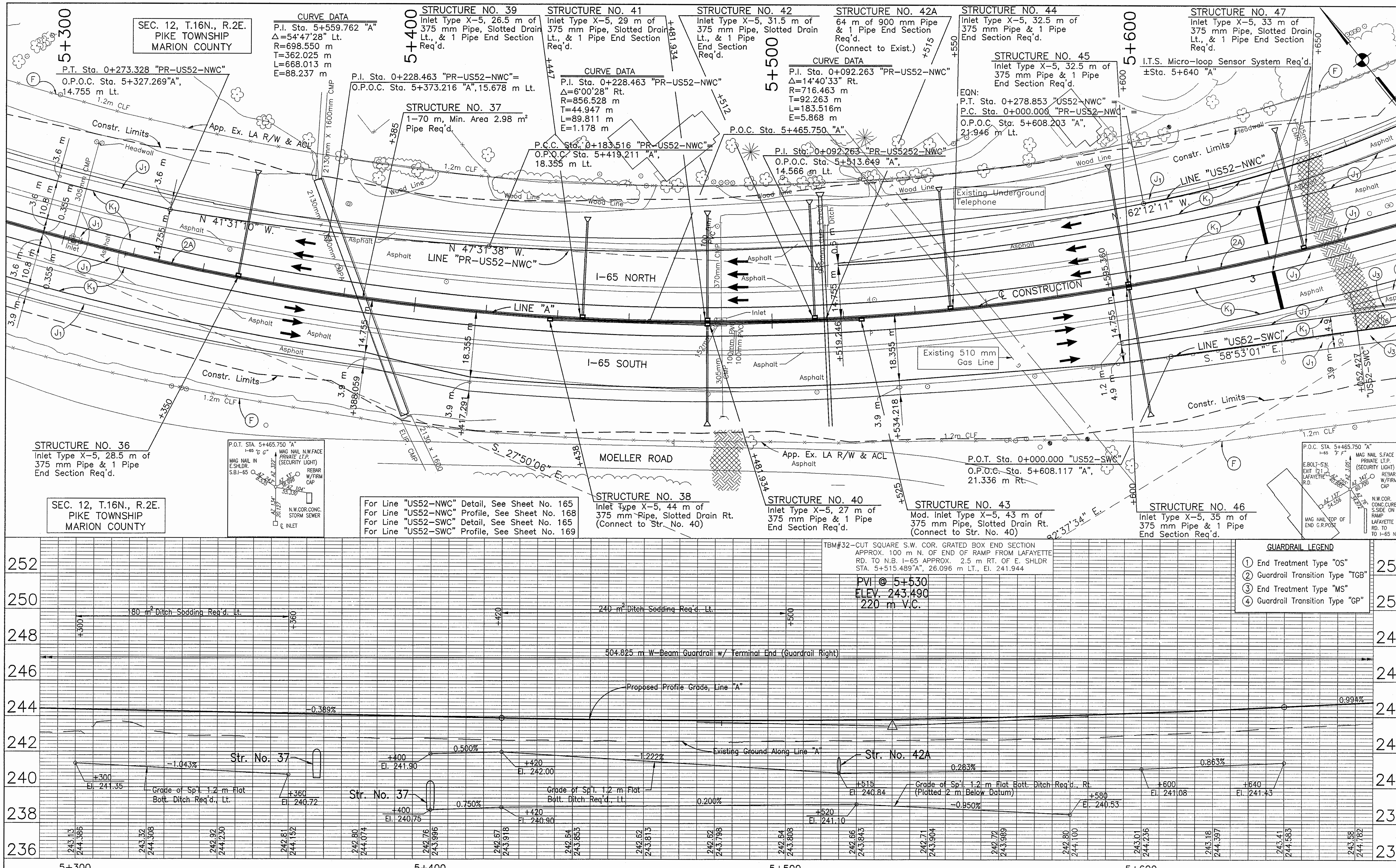
DESIGNED: J.A.T. DRAWN: J.W.M.
CHECKED: M.A.E. CHECKED: J.A.T.

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	117 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

Time: 9:20:13 Date: 8/25/2001 Scale: =1(PS) Drawing File: K:-Drive\sdsk\proj\375\ASBUILTS-DO NOT MODIFY\PLAN & PROFILES\pp-13.dwg (JMiller)



SEC. 12, T.16N., R.2E.
PIKE TOWNSHIP
MARION COUNTY
CURVE DATA
P.I. Sta. 5+559.762 "A"
Δ=54°47'28" Lt.
R=698.550 m
T=362.025 m
L=668.013 m
E=88.237 m
P.T. Sta. 0+273.328 "PR-US52-NWC"
O.P.O.C. Sta. 5+327.269"A",
14.755 m Lt.
P.I. Sta. 0+228.463 "PR-US52-NWC"=
O.P.O.C. Sta. 5+373.216 "A",15.678 m Lt.
STRUCTURE NO. 39
Inlet Type X-5, 26.5 m of 375 mm Pipe, Slotted Drain Lt., & 1 Pipe End Section Req'd.
STRUCTURE NO. 37
1-70 m, Min. Area 2.98 m² Pipe Req'd.
STRUCTURE NO. 41
Inlet Type X-5, 29 m of 375 mm Pipe, Slotted Drain Lt., & 1 Pipe End Section Req'd.
CURVE DATA
P.I. Sta. 0+228.463 "PR-US52-NWC"
Δ=6°00'28" Rt.
R=856.528 m
T=44.947 m
L=89.811 m
E=1.178 m
P.C.C. Sta. 0+183.516 "PR-US52-NWC"=
O.P.O.C. Sta. 5+419.211 "A",
18.355 m Lt.
STRUCTURE NO. 42
Inlet Type X-5, 31.5 m of 375 mm Pipe, Slotted Drain Lt., & 1 Pipe End Section Req'd.
STRUCTURE NO. 42A
64 m of 900 mm Pipe & 1 Pipe End Section Req'd. (Connect to Exist.)
CURVE DATA
P.I. Sta. 0+092.263 "PR-US52-NWC"
Δ=14°40'33" Rt.
R=716.463 m
T=92.263 m
L=183.516m
E=5.868 m
P.O.C. Sta. 5+465.750 "A"
P.I. Sta. 0+092.263 "PR-US5252-NWC"
O.P.O.C. Sta. 5+513.649 "A",
14.566 m Lt.
STRUCTURE NO. 44
Inlet Type X-5, 32.5 m of 375 mm Pipe & 1 Pipe End Section Req'd.
STRUCTURE NO. 45
Inlet Type X-5, 32.5 m of 375 mm Pipe & 1 Pipe End Section Req'd.
EQN:
P.T. Sta. 0+278.853 "US52-NWC" =
P.C. Sta. 0+000.000 "PR-US52-NWC" =
O.P.O.C. Sta. 5+608.203 "A",
21.946 m Lt.
STRUCTURE NO. 47
Inlet Type X-5, 33 m of 375 mm Pipe, Slotted Drain Lt., & 1 Pipe End Section Req'd.
I.T.S. Micro-loop Sensor System Req'd.
±Sta. 5+640 "A"
5+300
5+400
5+500
5+600
Constr. Limits
App. Ex. LA R/W & ACL
N 41°31'10" W.
N 47°31'38" W.
LINE "PR-US52-NWC"
I-65 NORTH
LINE "A"
I-65 SOUTH
℄ CONSTRUCTION
LINE "US52-NWC"
N. 62°12'11" W.
LINE "US52-SWC"
S. 58°53'01" E.
S. 27°50'06" E.
Existing Underground Telephone
Existing 510 mm Gas Line
MOELLER ROAD
STRUCTURE NO. 36
Inlet Type X-5, 28.5 m of 375 mm Pipe & 1 Pipe End Section Req'd.
STRUCTURE NO. 38
Inlet Type X-5, 44 m of 375 mm Pipe, Slotted Drain Rt. (Connect to Str. No. 40)
STRUCTURE NO. 40
Inlet Type X-5, 27 m of 375 mm Pipe & 1 Pipe End Section Req'd.
STRUCTURE NO. 43
Mod. Inlet Type X-5, 43 m of 375 mm Pipe, Slotted Drain Rt. (Connect to Str. No. 40)
STRUCTURE NO. 46
Inlet Type X-5, 35 m of 375 mm Pipe & 1 Pipe End Section Req'd.
P.O.T. Sta. 0+000.000 "US52-SWC"
O.P.O.C. Sta. 5+608.117 "A",
21.336 m Rt.
For Line "US52-NWC" Detail, See Sheet No. 165
For Line "US52-NWC" Profile, See Sheet No. 168
For Line "US52-SWC" Detail, See Sheet No. 165
For Line "US52-SWC" Profile, See Sheet No. 169
TBM#32-CUT SQUARE S.W. COR. GRATED BOX END SECTION APPROX. 100 m N. OF END OF RAMP FROM LAFAYETTE RD. TO N.B. I-65 APPROX. 2.5 m RT. OF E. SHLDR STA. 5+515.489"A", 26.096 m LT., El. 241.944
PVI @ 5+530
ELEV. 243.490
220 m V.C.
GUARDRAIL LEGEND
1 End Treatment Type "OS"
2 Guardrail Transition Type "TGB"
3 End Treatment Type "MS"
4 Guardrail Transition Type "GP"
180 m² Ditch Sodding Req'd. Lt.
240 m² Ditch Sodding Req'd. Lt.
504.825 m W-Beam Guardrail w/ Terminal End (Guardrail Right)
Proposed Profile Grade, Line "A"
Existing Ground Along Line "A"
Str. No. 37
Str. No. 42A
Grade of Sp'l. 1.2 m Flat Bott. Ditch Req'd., Lt.
Grade of Sp'l. 1.2 m Flat Bott. Ditch Req'd., Rt. (Plotted 2 m Below Datum)
252
250
248
246
244
242
240
238
236
5+300
5+400
5+500
5+600

PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (F) Fence, Chain Link, 1220 mm
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] DESIGN ENGINEER 9/28/01 DATE

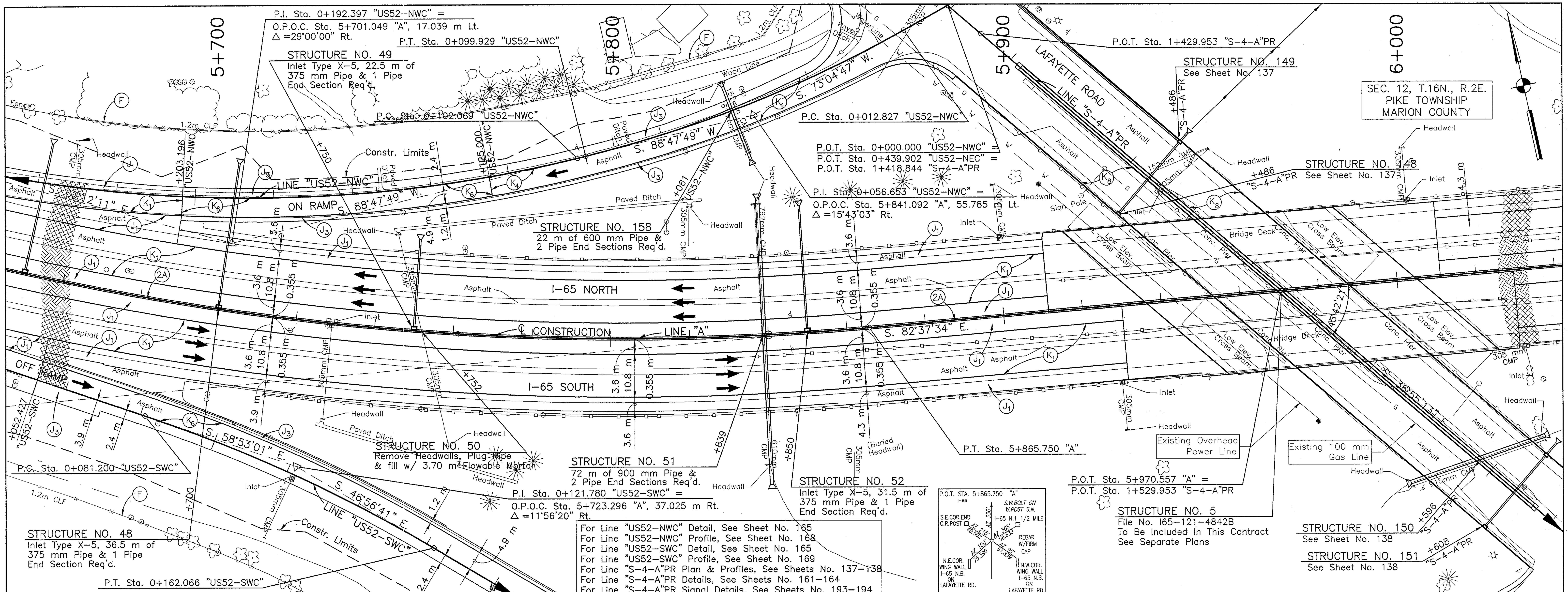
DESIGNED: J.A.T. DRAWN: J.W.M.

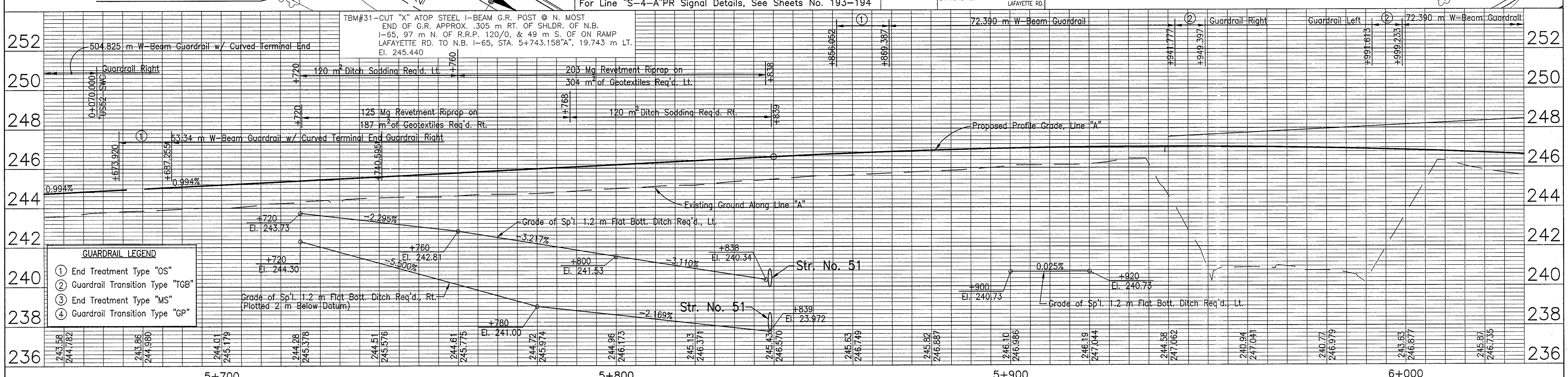
CHECKED: M.A.E. CHECKED: J.A.T.

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	118 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118


P.I. Sta. 0+192.397 "US52-NWC" =
O.P.O.C. Sta. 5+701.049 "A", 17.039 m Lt.
Δ =29°00'00" Rt.
P.T. Sta. 0+099.929 "US52-NWC"
STRUCTURE NO. 49
Inlet Type X-5, 22.5 m of
375 mm Pipe & 1 Pipe
End Section Req'd.
P.C. Sta. 0+102.069 "US52-NWC"
P.O.T. Sta. 1+429.953 "S-4-A"PR
STRUCTURE NO. 149
See Sheet No. 137
SEC. 12, T.16N., R.2E.
PIKE TOWNSHIP
MARION COUNTY
P.C. Sta. 0+012.827 "US52-NWC"
P.O.T. Sta. 0+000.000 "US52-NWC" =
P.O.T. Sta. 0+439.902 "US52-NEC" =
P.O.T. Sta. 1+418.844 "S-4-A"PR
P.I. Sta. 0+056.653 "US52-NWC" =
O.P.O.C. Sta. 5+841.092 "A", 55.785 m Lt.
Δ =15°43'03" Rt.
STRUCTURE NO. 148
See Sheet No. 137
STRUCTURE NO. 158
22 m of 600 mm Pipe &
2 Pipe End Sections Req'd.
LAFAYETTE ROAD
LINE "S-4-A"PR
LINE "US52-NWC"
ON RAMP
I-65 NORTH
I-65 SOUTH
℄ CONSTRUCTION LINE "A"
S. 82°37'34" E.
S. 88°47'49" W.
S. 73°04'47" W.
S. 58°53'01" E.
S. 46°56'41" E.
LINE "US52-SWC"
OFF RAMP
P.C. Sta. 0+081.200 "US52-SWC"
STRUCTURE NO. 50
Remove Headwalls, Plug Pipe
& fill w/ 3.70 m³ Flowable Mortar
STRUCTURE NO. 51
72 m of 900 mm Pipe &
2 Pipe End Sections Req'd.
STRUCTURE NO. 52
Inlet Type X-5, 31.5 m of
375 mm Pipe & 1 Pipe
End Section Req'd.
P.I. Sta. 0+121.780 "US52-SWC" =
O.P.O.C. Sta. 5+723.296 "A", 37.025 m Rt.
Δ =11°56'20" Rt.
P.T. Sta. 5+865.750 "A"
P.O.T. Sta. 5+970.557 "A" =
P.O.T. Sta. 1+529.953 "S-4-A"PR
STRUCTURE NO. 5
File No. 165-121-4842B
To Be Included In This Contract
See Separate Plans
STRUCTURE NO. 150
See Sheet No. 138
STRUCTURE NO. 151
See Sheet No. 138
Existing Overhead Power Line
Existing 100 mm Gas Line
STRUCTURE NO. 48
Inlet Type X-5, 36.5 m of
375 mm Pipe & 1 Pipe
End Section Req'd.
P.T. Sta. 0+162.066 "US52-SWC"
For Line "US52-NWC" Detail, See Sheet No. 165
For Line "US52-NWC" Profile, See Sheet No. 168
For Line "US52-SWC" Detail, See Sheet No. 165
For Line "US52-SWC" Profile, See Sheet No. 169
For Line "S-4-A"PR Plan & Profiles, See Sheets No. 137-138
For Line "S-4-A"PR Details, See Sheets No. 161-164
For Line "S-4-A"PR Signal Details, See Sheets No. 193-194
5+700
5+800
5+900
6+000


TBM#31-CUT "X" ATOP STEEL I-BEAM G.R. POST @ N. MOST
END OF G.R. APPROX. .305 m RT. OF SHLDR. OF N.B.
I-65, 97 m N. OF R.R.P. 120/0, & 49 m S. OF ON RAMP
LAFAYETTE RD. TO N.B. I-65, STA. 5+743.158"A", 19.743 m LT.
El. 245.440
504.825 m W-Beam Guardrail w/ Curved Terminal End
Guardrail Right
120 m² Ditch Sodding Req'd. Lt.
203 Mg Revetment Riprap on
304 m² of Geotextiles Req'd. Lt.
125 Mg Revetment Riprap on
187 m² of Geotextiles Req'd. Rt.
120 m² Ditch Sodding Req'd. Rt.
53.34 m W-Beam Guardrail w/ Curved Terminal End Guardrail Right
72.390 m W-Beam Guardrail
Guardrail Right
Guardrail Left
Proposed Profile Grade, Line "A"
Existing Ground Along Line "A"
Grade of Sp'l. 1.2 m Flat Bott. Ditch Req'd., Lt.
Grade of Sp'l. 1.2 m Flat Bott. Ditch Req'd., Rt.
(Plotted 2 m Below Datum)
Str. No. 51
GUARDRAIL LEGEND
1 End Treatment Type "OS"
2 Guardrail Transition Type "TGB"
3 End Treatment Type "MS"
4 Guardrail Transition Type "GP"
5+700
5+800
5+900
6+000

PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (F) Fence, Chain Link, 1220 mm
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	9/28/01 DATE
DESIGNED: J.A.T.	DRAWN: J.W.M.	
CHECKED: M.A.E.	CHECKED: J.A.T.	

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	119 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

Time: 9:21:56
Date: 8/24/2001
Scale: 1=1(PS)
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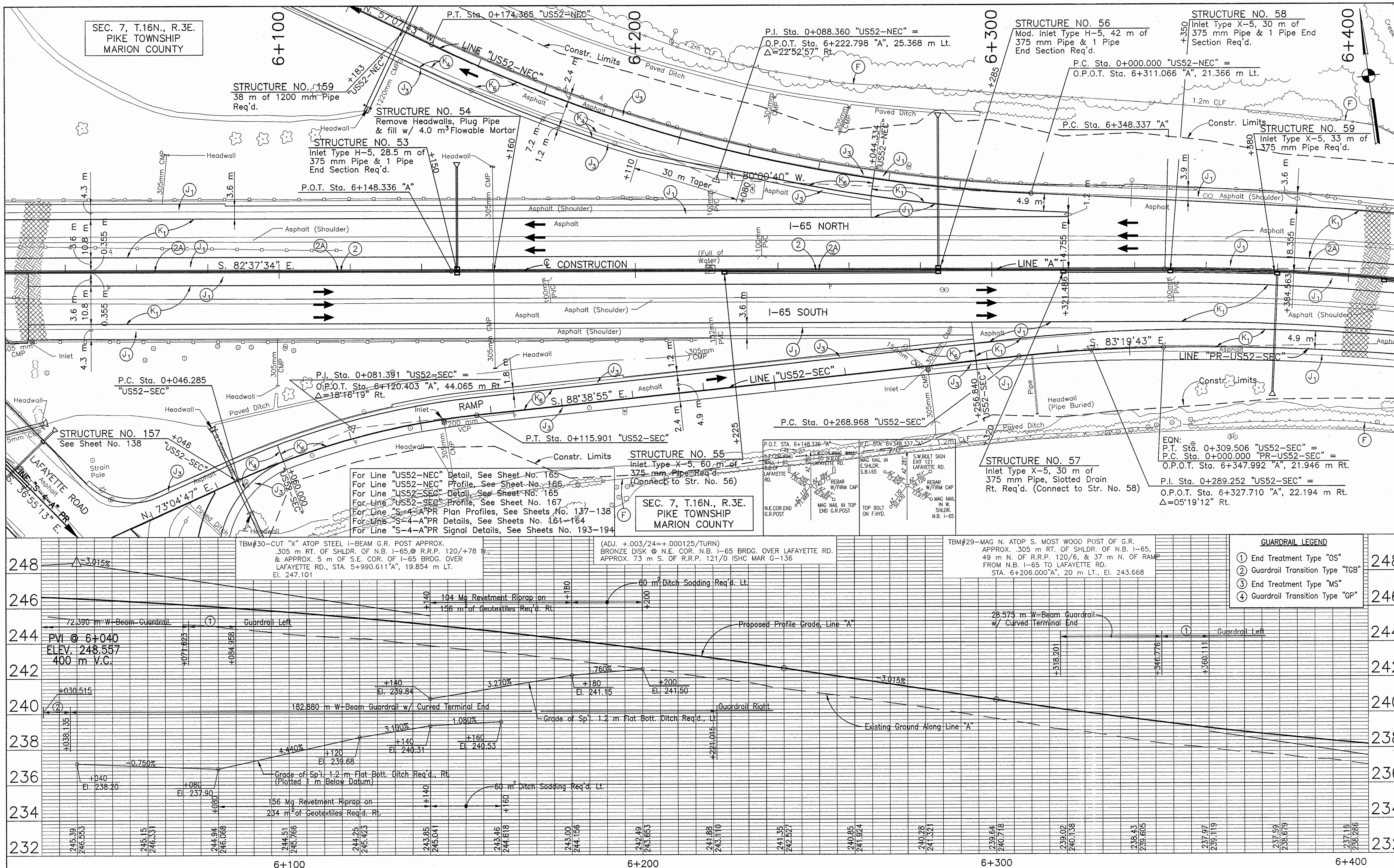

SEC. 7, T.16N., R.3E.
PIKE TOWNSHIP
MARION COUNTY
STRUCTURE NO. 159
38 m of 1200 mm Pipe Req'd.
STRUCTURE NO. 54
Remove Headwalls, Plug Pipe & fill w/ 4.0 m³ Flowable Mortar
STRUCTURE NO. 53
Inlet Type H-5, 28.5 m of 375 mm Pipe & 1 Pipe End Section Req'd.
P.O.T. Sta. 6+148.336 "A"
P.T. Sta. 0+174.365 "US52-NEC"
LINE "US52-NEC"
P.I. Sta. 0+088.360 "US52-NEC" =
O.P.O.T. Sta. 6+222.798 "A", 25.368 m Lt.
Δ=22°52'57" Rt.
STRUCTURE NO. 56
Mod. Inlet Type H-5, 42 m of 375 mm Pipe & 1 Pipe End Section Req'd.
STRUCTURE NO. 58
Inlet Type X-5, 30 m of 375 mm Pipe & 1 Pipe End Section Req'd.
P.C. Sta. 0+000.000 "US52-NEC" =
O.P.O.T. Sta. 6+311.066 "A", 21.366 m Lt.
P.C. Sta. 6+348.337 "A"
STRUCTURE NO. 59
Inlet Type X-5, 33 m of 375 mm Pipe Req'd.
N. 80°00'40" W.
I-65 NORTH
S. 82°37'34" E.
℄ CONSTRUCTION
LINE "A"
I-65 SOUTH
S. 83°19'43" E.
LINE "PR-US52-SEC"
P.C. Sta. 0+046.285 "US52-SEC"
P.I. Sta. 0+081.391 "US52-SEC" =
O.P.O.T. Sta. 6+120.403 "A", 44.065 m Rt.
Δ=18°16'19" Rt.
S. 88°38'55" E.
LINE "US52-SEC"
RAMP
P.T. Sta. 0+115.901 "US52-SEC"
P.C. Sta. 0+268.968 "US52-SEC"
STRUCTURE NO. 157
See Sheet No. 138
LAFAYETTE ROAD
N. 73°04'47" E.
STRUCTURE NO. 55
Inlet Type X-5, 60 m of 375 mm Pipe Req'd. (Connect to Str. No. 56)
STRUCTURE NO. 57
Inlet Type X-5, 30 m of 375 mm Pipe, Slotted Drain Rt. Req'd. (Connect to Str. No. 58)
EQN:
P.T. Sta. 0+309.506 "US52-SEC" =
P.C. Sta. 0+000.000 "PR-US52-SEC" =
O.P.O.T. Sta. 6+347.992 "A", 21.946 m Rt.
P.I. Sta. 0+289.252 "US52-SEC" =
O.P.O.T. Sta. 6+327.710 "A", 22.194 m Rt.
Δ=05°19'12" Rt.
For Line "US52-NEC" Detail, See Sheet No. 165
For Line "US52-NEC" Profile, See Sheet No. 166
For Line "US52-SEC" Detail, See Sheet No. 165
For Line "US52-SEC" Profile, See Sheet No. 167
For Line "S-4-A"PR Plan Profiles, See Sheets No. 137-138
For Line "S-4-A"PR Details, See Sheets No. 161-164
For Line "S-4-A"PR Signal Details, See Sheets No. 193-194
SEC. 7, T.16N., R.3E.
PIKE TOWNSHIP
MARION COUNTY
6+100
6+200
6+300
6+400
TBM#30-CUT "X" ATOP STEEL I-BEAM G.R. POST APPROX. .305 m RT. OF SHLDR. OF N.B. I-65,@ R.R.P. 120/+78 N. & APPROX. 5 m OF S.E. COR. OF I-65 BRDG. OVER LAFAYETTE RD., STA. 5+990.611"A", 19.854 m LT. El. 247.101
(ADJ. +.003/24=+.000125/TURN)
BRONZE DISK @ N.E. COR. N.B. I-65 BRDG. OVER LAFAYETTE RD. APPROX. 73 m S. OF R.R.P. 121/0 ISHC MAR G-136
TBM#29-MAG N. ATOP S. MOST WOOD POST OF G.R. APPROX. .305 m RT. OF SHLDR. OF N.B. I-65, 49 m N. OF R.R.P. 120/6, & 37 m N. OF RAMP FROM N.B. I-65 TO LAFAYETTE RD. STA. 6+206.000"A", 20 m LT., El. 243.668
GUARDRAIL LEGEND
1 End Treatment Type "OS"
2 Guardrail Transition Type "TGB"
3 End Treatment Type "MS"
4 Guardrail Transition Type "GP"
PVI @ 6+040
ELEV. 248.557
400 m V.C.
-3.015%
72.390 m W-Beam Guardrail
Guardrail Left
104 Mg Revetment Riprap on 156 m² of Geotextiles Req'd. Rt.
60 m² Ditch Sodding Req'd. Lt.
Proposed Profile Grade, Line "A"
28.575 m W-Beam Guardrail w/ Curved Terminal End
182.880 m W-Beam Guardrail w/ Curved Terminal End
Guardrail Right
Grade of Sp'l. 1.2 m Flat Bott. Ditch Req'd., Lt.
Existing Ground Along Line "A"
Grade of Sp'l. 1.2 m Flat Bott. Ditch Req'd., Rt. (Plotted 1 m Below Datum)
156 Mg Revetment Riprap on 234 m² of Geotextiles Req'd. Rt.
60 m² Ditch Sodding Req'd. Lt.
El. 238.20
El. 237.90
El. 239.68
El. 240.31
El. 240.53
El. 239.84
El. 241.15
El. 241.50

PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (F) Fence, Chain Link, 1220 mm
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] DESIGN ENGINEER 9/28/01 DATE

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

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	120 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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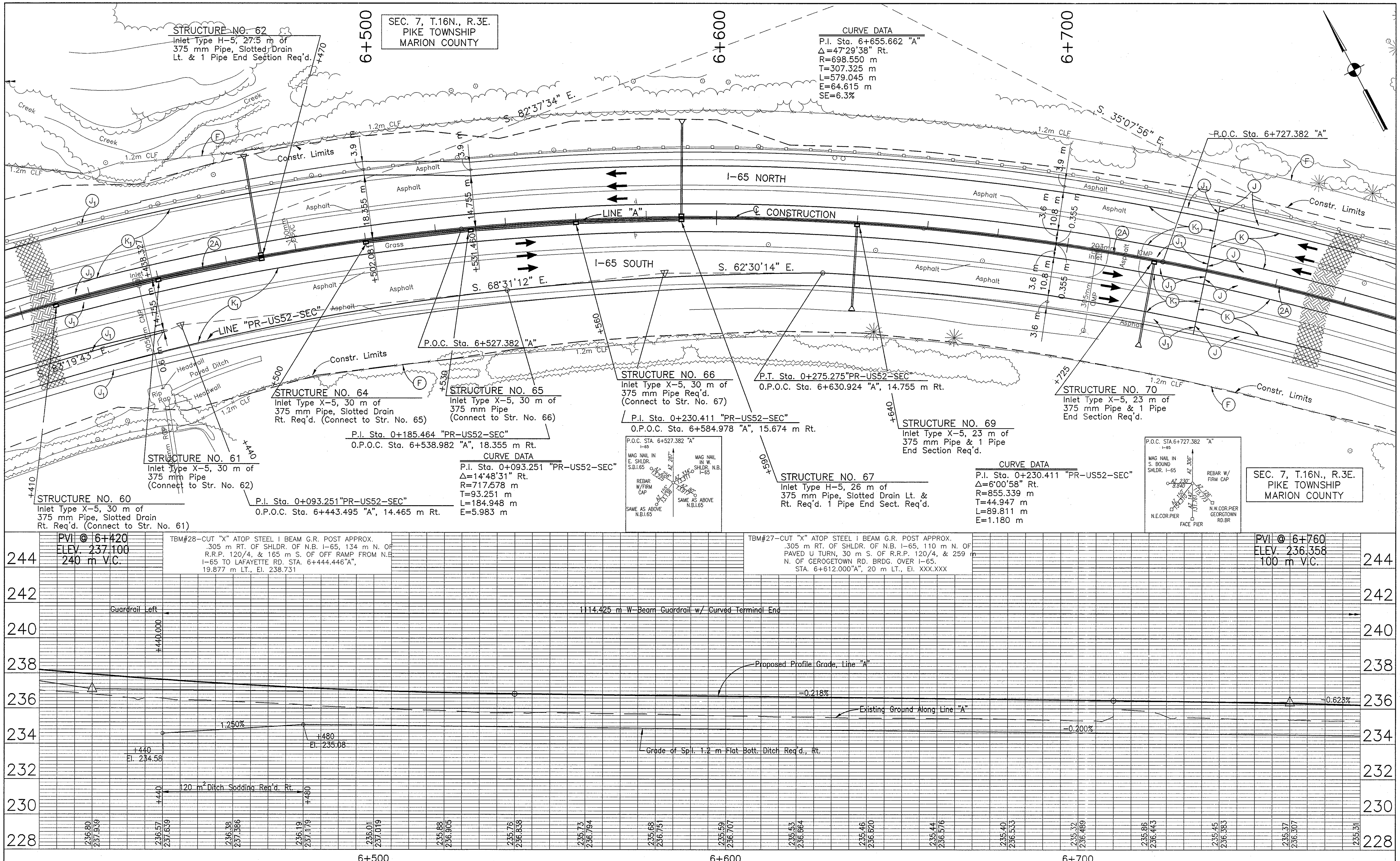

SEC. 7, T.16N., R.3E.
PIKE TOWNSHIP
MARION COUNTY
6+500
6+600
6+700
CURVE DATA
P.I. Sta. 6+655.662 "A"
Δ=47°29'38" Rt.
R=698.550 m
T=307.325 m
L=579.045 m
E=64.615 m
SE=6.3%
STRUCTURE NO. 62
Inlet Type H-5, 27.5 m of 375 mm Pipe, Slotted Drain Lt. & 1 Pipe End Section Req'd.
S. 82°37'34" E.
S. 35°07'56" E.
R.O.C. Sta. 6+727.382 "A"
I-65 NORTH
I-65 SOUTH
LINE "A"
℄ CONSTRUCTION
LINE "PR-US52-SEC"
S. 68°31'12" E.
S. 62°30'14" E.
Constr. Limits
1.2m CLF
Creek
Asphalt
Grass
P.O.C. Sta. 6+527.382 "A"
STRUCTURE NO. 64
Inlet Type X-5, 30 m of 375 mm Pipe, Slotted Drain Rt. Req'd. (Connect to Str. No. 65)
STRUCTURE NO. 65
Inlet Type X-5, 30 m of 375 mm Pipe (Connect to Str. No. 66)
STRUCTURE NO. 66
Inlet Type X-5, 30 m of 375 mm Pipe Req'd. (Connect to Str. No. 67)
P.T. Sta. 0+275.275"PR-US52-SEC"
O.P.O.C. Sta. 6+630.924 "A", 14.755 m Rt.
P.I. Sta. 0+230.411 "PR-US52-SEC"
O.P.O.C. Sta. 6+584.978 "A", 15.674 m Rt.
STRUCTURE NO. 69
Inlet Type X-5, 23 m of 375 mm Pipe & 1 Pipe End Section Req'd.
STRUCTURE NO. 70
Inlet Type X-5, 23 m of 375 mm Pipe & 1 Pipe End Section Req'd.
P.I. Sta. 0+185.464 "PR-US52-SEC"
O.P.O.C. Sta. 6+538.982 "A", 18.355 m Rt.
CURVE DATA
P.I. Sta. 0+093.251 "PR-US52-SEC"
Δ=14°48'31" Rt.
R=717.578 m
T=93.251 m
L=184.948 m
E=5.983 m
STRUCTURE NO. 61
Inlet Type X-5, 30 m of 375 mm Pipe (Connect to Str. No. 62)
P.I. Sta. 0+093.251"PR-US52-SEC"
O.P.O.C. Sta. 6+443.495 "A", 14.465 m Rt.
STRUCTURE NO. 60
Inlet Type X-5, 30 m of 375 mm Pipe, Slotted Drain Rt. Req'd. (Connect to Str. No. 61)
STRUCTURE NO. 67
Inlet Type H-5, 26 m of 375 mm Pipe, Slotted Drain Lt. & Rt. Req'd. 1 Pipe End Sect. Req'd.
CURVE DATA
P.I. Sta. 0+230.411 "PR-US52-SEC"
Δ=6°00'58" Rt.
R=855.339 m
T=44.947 m
L=89.811 m
E=1.180 m
PVI @ 6+420
ELEV. 237.100
240 m V.C.
TBM#28-CUT "X" ATOP STEEL I BEAM G.R. POST APPROX. .305 m RT. OF SHLDR. OF N.B. I-65, 134 m N. OF R.R.P. 120/4, & 165 m S. OF OFF RAMP FROM N.B. I-65 TO LAFAYETTE RD. STA. 6+444.446"A", 19.877 m LT., El. 238.731
TBM#27-CUT "X" ATOP STEEL I BEAM G.R. POST APPROX. .305 m RT. OF SHLDR. OF N.B. I-65, 110 m N. OF PAVED U TURN, 30 m S. OF R.R.P. 120/4, & 259 m N. OF GEROGETOWN RD. BRDG. OVER I-65. STA. 6+612.000"A", 20 m LT., El. XXX.XXX
PVI @ 6+760
ELEV. 236.358
100 m V.C.
Guardrail Left
1114.425 m W-Beam Guardrail w/ Curved Terminal End
Proposed Profile Grade, Line "A"
-0.218%
-0.623%
Existing Ground Along Line "A"
1.250%
-0.200%
+440 El. 234.58
+480 El. 235.08
Grade of Spl. 1.2 m Flat Bott. Ditch Req'd., Rt.
120 m² Ditch Sodding Req'd. Rt.
244
242
240
238
236
234
232
230
228

PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (F) Fence, Chain Link, 1220 mm
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 9/28/01

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

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS 121 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

6+800

STRUCTURE NO. 72
Mod. Inlet Type H-5, 24 m of 375 mm Pipe, Slotted Drain Rt. & Lt. & 1 Pipe End Section Req'd.

+800

Paved Ditch

6+900

+886.724

STRUCTURE NO. 74
Mod. Inlet Type H-5, 24.5 m of 375 mm Pipe, & 1 Pipe End Section Req'd.

STRUCTURE NO. 73
Inlet Type X-5, 11.5 m of 375 mm Pipe, (Connect to Str. No. 74)

+875

Paved Ditch

I.T.S. Micro-loop Sensor System Req'd. ±Sta. 6+900 "A"

+950

STRUCTURE NO. 75
Mod. Inlet Type H-5, 24 m of 375 mm Pipe & 1 Pipe End Section Req'd.

7+000

SEC. 18, T.16N., R.3E.
PIKE TOWNSHIP
MARION COUNTY

STRUCTURE NO. 76
Inlet Type H-5, 25 m of 375 mm Pipe, Slotted Drain Lt. & Rt. & 1 Pipe End Req'd.

+100

7+100

Existing Clearance @ I.E.P. = 5.568 m

P.T. Sta. 6+927.382 "A" =
P.T. Sta. 122+16.49 "A" Project I-65-3(281)120

Existing Clearance @ I.E.P. = 5.582 m

1.2m CLF

App. Ex. LA R/W & ACL

P.O.T. Sta. 6+988.422 "A"

Constr. Limits

Asphalt (Shldr.)

Asphalt

I-65 NORTH

LINE "A"

S. 35°07'56" E.

℄ CONSTRUCTION

I-65 SOUTH

3.9 m

3.6 m

10.8 m

0.355 m

305mm CMP

Inlet

Pipe

457mm CMP

610mm CMP

Slot Drain

P.O.T. Sta. 6+973.694 "A"

Georgetown Road Over I-65
No Work Req'd

Existing Clearance @ I.E.P. = 5.370 m

Existing Clearance @ I.E.P. = 5.400 m

P.T. STA.6+927.382 "A"
I-65
S.E. COR.PIER #715
S.W.COR.PIER GEORGTOWN RD.BR.
REBAR W/ FIRM CAP
MAG NAIL IN W. SHLDR. N.B.I-65

P.O.T. STA.6+973.694 "A"
I-65
PKN.IN SHLDR.
PKN.N.SIDE 0.500m TREE
℄ POINT "I" CAPPED REBAR N.9700.0000 E.10794.7319
PKN.N.SIDE 0.300m TREE
PKN.IN SHLDR.

P.O.T. STA.6+988.422 "A"
I-65
PKN.N.SIDE 0.500m TREE
PKN.IN SHLDR.
℄ POINT"H" CAPPED REBAR N.9687.9554 E.10803.2071
PKN.IN SHLDR.

SEC. 18, T.16N., R.3E.
PIKE TOWNSHIP
MARION COUNTY

GUARDRAIL LEGEND
1. End Treatment Type "OS"
2. Guardrail Transition Type "TGB"
3. End Treatment Type "MS"
4. Guardrail Transition Type "GP"

TBM#26-CUT "X" ATOP STEEL I BEAM G.R. POST APPROX .305 m R.T. OF SHLDR. OF N.B. I-65, 79 m N. OF R.R.P. 120/2, 27 m N. GEROGETOWN RD. BRDG. OVER I-65, STA. 6+820.254"A", 19.759 m LT., El. 237.271

PVI @ 6+860
ELEV. 235.735
100 m V.C.

PVI @ 6+960
ELEV. 235.924
100 m V.C.

TBM#25-CUT "X" ATOP STEEL I BEAM G.R. POST APPROX .305 m R.T. OF SHLDR. OF N.B. I-65, & APPROX. 134m S. OF R.R.P. 120/2, APPROX. 164m S. GEROGETOWN RD. BRDG. OVER I-65 STA. 7+028.430"A"., El. 236.122

242 240 238 236 234 232 230 228 226

Guardrail Right ①
+796.105
+803.440
670.560 m W-Beam Guardrail w/ Curved Terminal End
0.623%
-0.623%
0.189%
-0.218%
-0.200%
-0.631%
0.257%
-0.957%
Proposed Profile Grade, Line "A"
Existing Ground Along Line "A"
Grade of Sp'l. 1.2 m Flat Bott. Ditch Req'd., Rt.
+820 El. 234.20
+040 El. 233.44
+100 El. 233.29
1114.425 m W-Beam Guardrail w/ Curved Terminal End (Guardrail Left)

235.51 236.215 | 235.32 236.107 | 235.67 235.988 | 235.61 235.896 | 235.45 235.837 | 235.51 235.809 | 235.47 235.815 | 234.81 235.846 | 234.73 235.868 | 234.68 235.873 | 234.63 235.862 | 234.63 235.835 | 234.61 235.793 | 234.61 235.750 | 234.61 235.706 | 234.62 235.663 | 234.49 235.619 | 234.43 235.576 | 234.35 235.532

6+800 6+900 7+000 7+100

PROPOSED LEGEND (See Typicals)
- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (F) Fence, Chain Link, 1220 mm
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND
- Existing Asphalt
- Existing Concrete
- Existing Earth

IBRAHIM SWIAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER 9/28/01 DATE

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

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	122 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

Time: 9:36:5
Date: 8/25/2001
Scale: 1=1(GPS)
Drawing File: K:\Drive\vdot\proj\1375\ASBUILTS-DO NOT MODIFY\PLAN & PROFILES\VP-18.dwg (JMiller)

7+200 | 7+300 | 7+400 | 7+500

SEC. 18, T.16N., R.3E.
PIKE TOWNSHIP
MARION COUNTY

STRUCTURE NO. 78
2 – 68.5m of 1350 mm
Corrugated Pipe or 1200 mm
Smooth Pipe w/ Flap Gates Req'd.

P.O.T. Sta. 7+188.422 "A"

P.O.T. Sta. 7+388.422 "A"

Headwall

+287

App. Ex. LA R/W & ACL

1.220m CLF

Constr. Limits

Asphalt (Shldr.)

Asphalt

I–65 NORTH

I–65 SOUTH

S. 35°07'56" E.

℄ LINE "A"

℄ CONSTRUCTION

Inlet

Pipe

100mm PVC

305mm CMP

305mm RCP

1200mm CMP

3.9 m

3.6 m

10.8 m

0.355 m

Headwall

+200

STRUCTURE NO. 77
Inlet Type H–5, 26 m of
375 mm Pipe & 1 Pipe End
Section Req'd.

+325

STRUCTURE NO. 79
Inlet Type H–5, 27 m of
375 mm Pipe & 1 Pipe End
Section Req'd.

SEC. 18, T.16N., R.3E.
PIKE TOWNSHIP
MARION COUNTY

+420

Automatic Traffic Recorder Req'd.
See Detail Sheet No. XX

+450

STRUCTURE NO. 80
Inlet Type H–5, 26 m of
375 mm Pipe, Slotted Drain
Lt. & Rt. & 1 Pipe End
Req'd.

GUARDRAIL LEGEND
1. End Treatment Type "OS"
2. Guardrail Transition Type "TGB"
3. End Treatment Type "MS"
4. Guardrail Transition Type "GP"

P.O.T. STA 7+188.422 "A" I–65
PKN IN .152*.152
WOOD POST @ END OF G.R.
℄ POINT "C" CAPPED REBAR N.9524.3901 E.10918.3002
PKN IN SHLDR.
FACE OF RRP SIGN POST N. I–65 120/0

P.O.T. STA 7+388.422 "A" I–65
E.COR.OF I–BEAM SIGN POST 38st EXIT 1 MILE
℄ POINT "F" CAPPED REBAR N.9360.8249 E.11033.3932
N.W.COR.OF CASTING TOPO INLET #98
PKN IN SHLDR.

TBM#24–CUT "X" ATOP STEEL I BEAM G.R. POST APPROX .305 m RT. OF SHLDR. OF N.B. I–65, & APPROX. 354 m S. OF GEORGETOWN RD. BRDG. OVER I–65 @ R.R.P. 120; STA. 7+224.000"A", 20 m LT. El. 235.643

TBM#23–Cut "X" ATOP STEEL I BEAM G.R. POST APPROX. .305 m RT. OF SHLDR. OF N.B. I–65, 79 m N. OF R.R.P. 119/8, 18 m N. OF END OF G.R., & POST N. OF END OF G.R., STA. 7+400.000"A", 20 m LT. El. 235.080

670.560 m W–Beam Guardrail w/ Curved Terminal End

Guardrail Right

180 m^2 Ditch Sodding Req'd. Rt.

39 Mg Revetment Riprap on
59 m^2 of Geotextiles Req'd. Rt.

+220

+280

+295

+480.000

Proposed Profile Grade, Line "A"

-0.218%

-0.957%

-2.801%

9.143m

5.812%

0.200%

0.300%

Str. No. 78

+220
El. 232.14

+280
El. 230.46

+295
El. 230.28

+287
El. 229.82

+440
El. 230.57

Existing Ground Along Line "A"

Grade of Sp'l. 1.2 m Flat Bott. Ditch Req'd., Rt.

1114.425 m W–Beam w/ Curved Terminal End (Guardrail Left)

240 238 236 234 232 230 228 226 224

7+200	7+300	7+400	7+500
234.29 / 235.489	234.15 / 235.358	233.84 / 235.140	233.57 / 234.922
234.15 / 235.445	234.18 / 235.314	233.83 / 235.097	233.50 / 234.879
234.14 / 235.401	234.08 / 235.271	233.77 / 235.053	233.47 / 234.835
	233.94 / 235.227	233.75 / 235.010	233.48 / 234.792
	233.92 / 235.184	233.63 / 234.966	233.47 / 234.748
			233.46

PROPOSED LEGEND (See Typicals)
- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (F) Fence, Chain Link, 1220 mm
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND
- Existing Asphalt
- Existing Concrete
- Existing Earth

IBRAHIM SWIAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ 9/28/01
DESIGN ENGINEER DATE

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

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	123 of 520
CONTRACT	PROJECT
R–24327	IM–65–3(281)118

Time: 9:38:22
Date: 9/25/2001
Scale: As Noted
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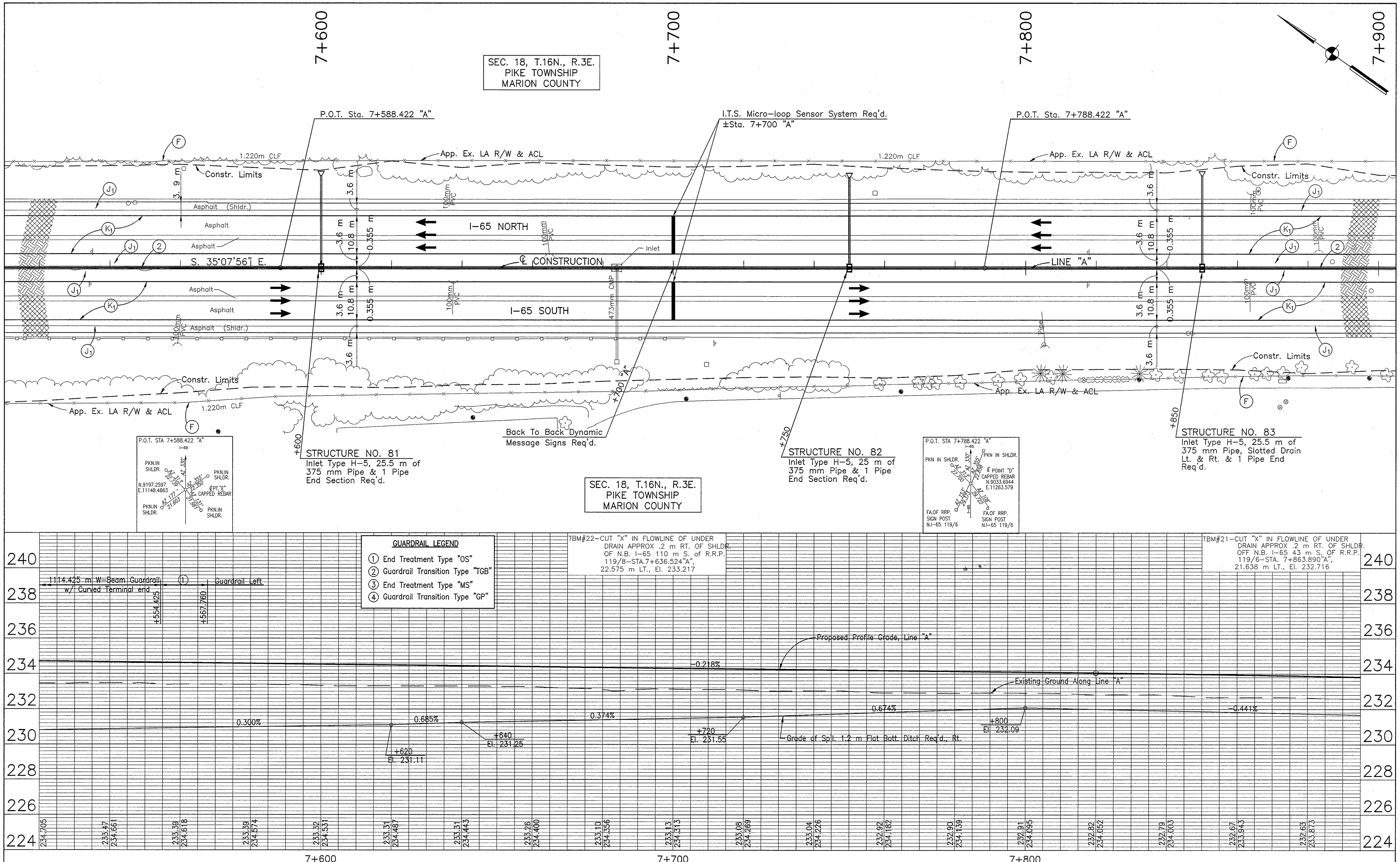
7+600
7+700
7+800
7+900
SEC. 18, T.16N., R.3E.
PIKE TOWNSHIP
MARION COUNTY
P.O.T. Sta. 7+588.422 "A"
I.T.S. Micro-loop Sensor System Req'd.
±Sta. 7+700 "A"
P.O.T. Sta. 7+788.422 "A"
1.220m CLF
App. Ex. LA R/W & ACL
Constr. Limits
Asphalt (Shldr.)
Asphalt
I-65 NORTH
S. 35°07'56" E.
℄ CONSTRUCTION
Inlet
LINE "A"
I-65 SOUTH
473mm CMP
100mm PVC
3.6 m
10.8 m
0.355 m
Back To Back Dynamic
Message Signs Req'd.
STRUCTURE NO. 81
Inlet Type H-5, 25.5 m of
375 mm Pipe & 1 Pipe
End Section Req'd.
STRUCTURE NO. 82
Inlet Type H-5, 25 m of
375 mm Pipe & 1 Pipe
End Section Req'd.
STRUCTURE NO. 83
Inlet Type H-5, 25.5 m of
375 mm Pipe, Slotted Drain
Lt. & Rt. & 1 Pipe End
Req'd.
GUARDRAIL LEGEND
1 End Treatment Type "OS"
2 Guardrail Transition Type "TGB"
3 End Treatment Type "MS"
4 Guardrail Transition Type "GP"
TBM#22-CUT "X" IN FLOWLINE OF UNDER DRAIN APPROX .2 m RT. OF SHLDR. OF N.B. I-65 110 m S. of R.R.P. 119/8-STA.7+636.524"A", 22.575 m LT., El. 233.217
TBM#21-CUT "X" IN FLOWLINE OF UNDER DRAIN APPROX .2 m RT. OF SHLDR. OFF N.B. I-65 43 m S. OF R.R.P. 119/6-STA. 7+863.890"A", 21.638 m LT., El. 232.716
1114.425 m W-Beam Guardrail w/ Curved Terminal end
Guardrail Left
+554.425
+567.760
Proposed Profile Grade, Line "A"
-0.218%
Existing Ground Along Line "A"
0.300%
0.685%
0.374%
0.674%
-0.441%
+620 El. 231.11
+640 El. 231.25
+720 El. 231.55
+800 El. 232.09
Grade of Spl. 1.2 m Flat Bott. Ditch Req'd., Rt.
240
238
236
234
232
230
228
226
224
234.705
233.47 234.661
233.39 234.618
233.39 234.574
233.32 234.531
233.31 234.487
233.31 234.443
233.26 234.400
233.10 234.356
233.13 234.313
233.08 234.269
233.04 234.226
232.92 234.182
232.90 234.139
232.91 234.095
232.82 234.052
232.79 234.003
232.67 233.943
232.63 233.873

PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (F) Fence, Chain Link, 1220 mm
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

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

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	124 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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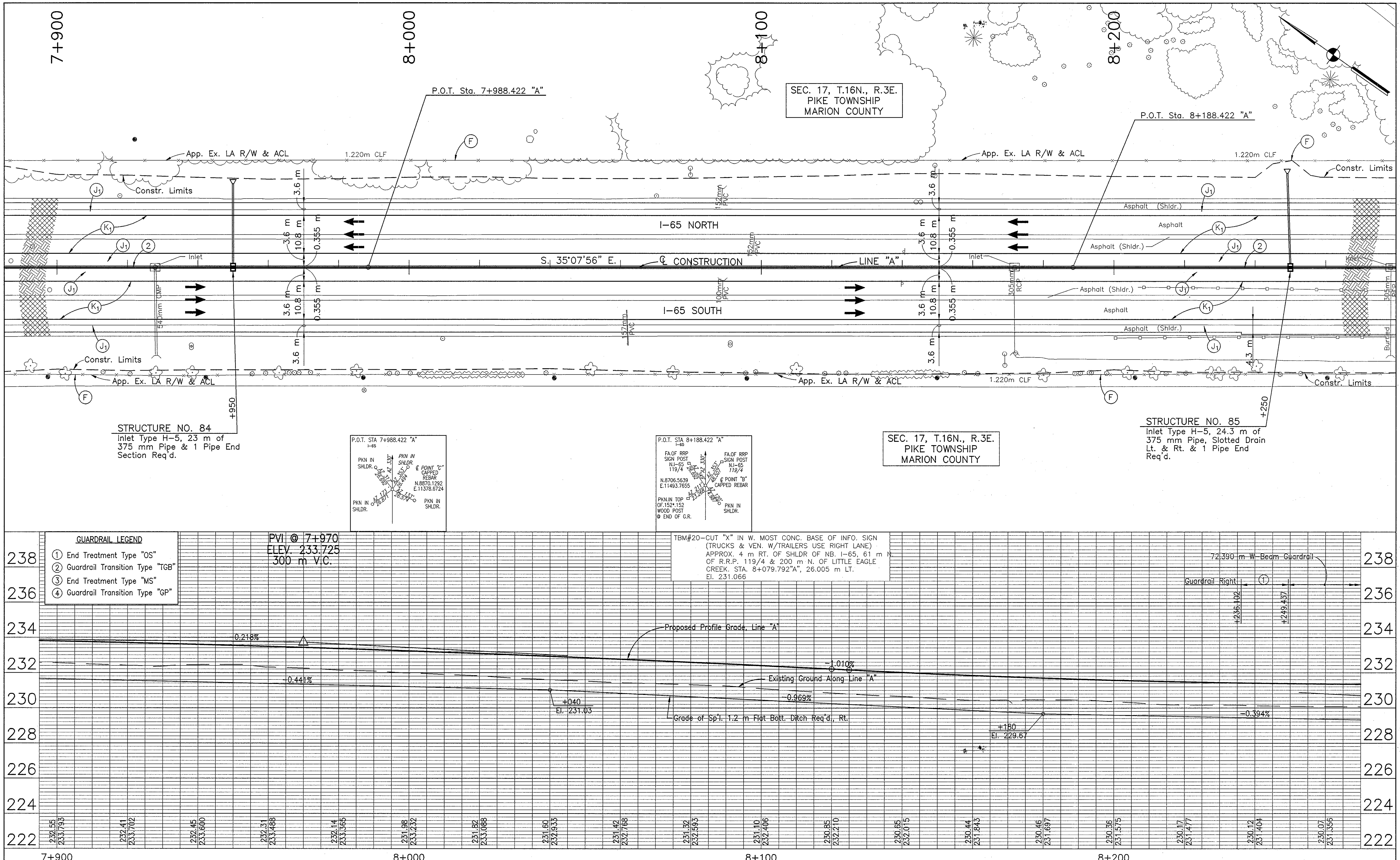


7+900
8+000
8+100
8+200
P.O.T. Sta. 7+988.422 "A"
P.O.T. Sta. 8+188.422 "A"
SEC. 17, T.16N., R.3E.
PIKE TOWNSHIP
MARION COUNTY
App. Ex. LA R/W & ACL
1.220m CLF
Constr. Limits
I-65 NORTH
I-65 SOUTH
S. 35°07'56" E.
℄ CONSTRUCTION
LINE "A"
Asphalt (Shldr.)
Asphalt
Inlet
3.6 m
10.8 m
0.355 m
4.3 m
+950
+250
STRUCTURE NO. 84
Inlet Type H-5, 23 m of 375 mm Pipe & 1 Pipe End Section Req'd.
STRUCTURE NO. 85
Inlet Type H-5, 24.3 m of 375 mm Pipe, Slotted Drain Lt. & Rt. & 1 Pipe End Req'd.
GUARDRAIL LEGEND
① End Treatment Type "OS"
② Guardrail Transition Type "TGB"
③ End Treatment Type "MS"
④ Guardrail Transition Type "GP"
PVI @ 7+970
ELEV. 233.725
300 m V.C.
TBM#20–CUT "X" IN W. MOST CONC. BASE OF INFO. SIGN (TRUCKS & VEH. W/TRAILERS USE RIGHT LANE) APPROX. 4 m RT. OF SHLDR OF NB. I-65, 61 m N OF R.R.P. 119/4 & 200 m N. OF LITTLE EAGLE CREEK. STA. 8+079.792"A", 26.005 m LT. El. 231.066
72.390 m W-Beam Guardrail
Guardrail Right
+236.102
+249.437
Proposed Profile Grade, Line "A"
Existing Ground Along Line "A"
Grade of Sp'l. 1.2 m Flat Bott. Ditch Req'd., Rt.
0.218%
-0.441%
-1.010%
-0.969%
-0.394%
+040
El. 231.03
+180
El. 229.67
238
236
234
232
230
228
226
224
222

PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (F) Fence, Chain Link, 1220 mm
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

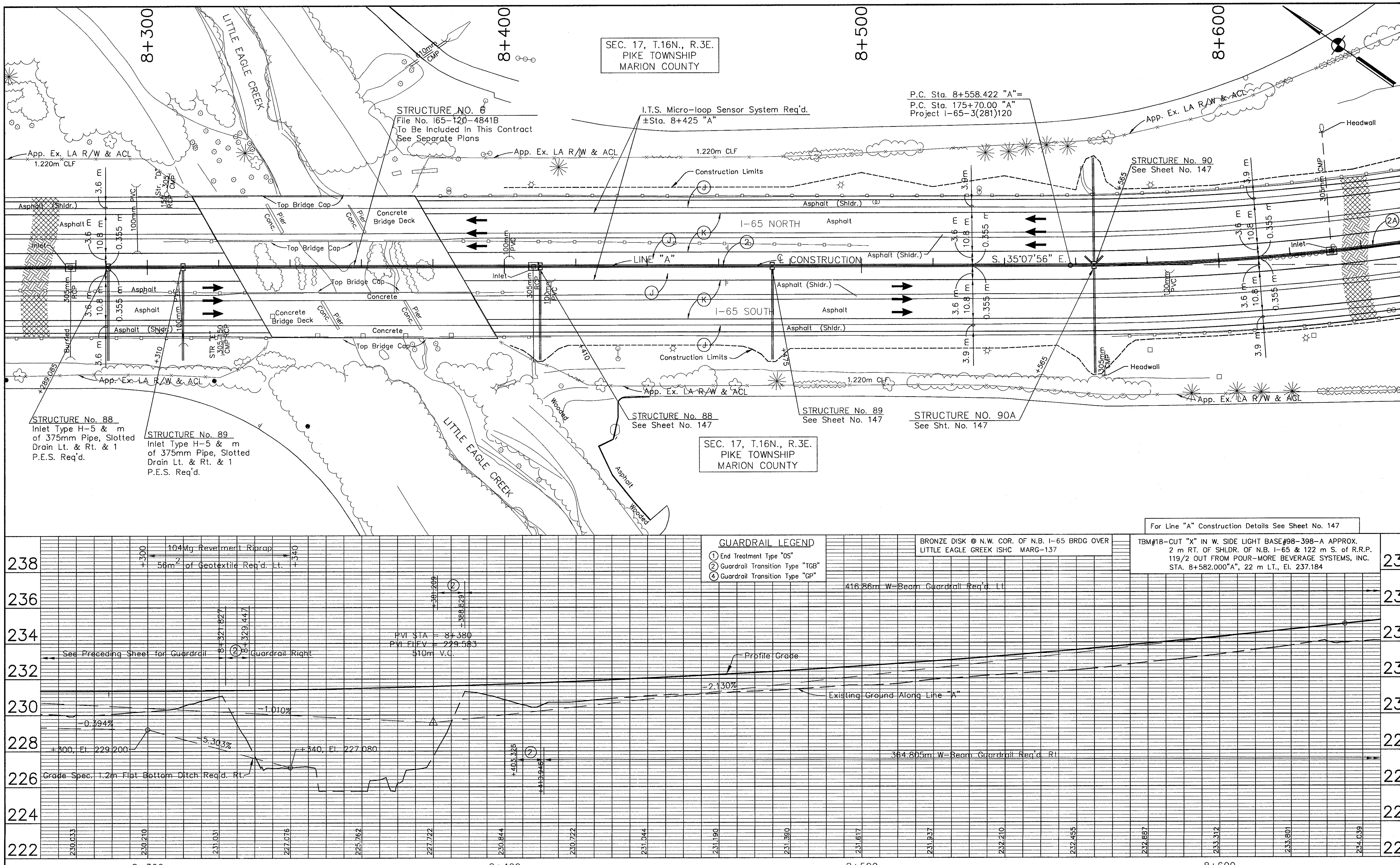
RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

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

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS 125 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



8+300
8+400
8+500
8+600
SEC. 17, T.16N., R.3E.
PIKE TOWNSHIP
MARION COUNTY
LITTLE EAGLE CREEK
STRUCTURE NO. 6
File No. I65-120-4841B
To Be Included In This Contract
See Separate Plans
I.T.S. Micro-loop Sensor System Req'd.
±Sta. 8+425 "A"
P.C. Sta. 8+558.422 "A"=
P.C. Sta. 175+70.00 "A"
Project I-65-3(281)120
App. Ex. LA R/W & ACL
1.220m CLF
Construction Limits
Headwall
STRUCTURE No. 90
See Sheet No. 147
Top Bridge Cap
Concrete Bridge Deck
Pier
Conc.
I-65 NORTH
I-65 SOUTH
LINE "A"
℄ CONSTRUCTION
S. 35°07'56" E.
Asphalt (Shldr.)
Asphalt
Inlet
Concrete
Wooded
STRUCTURE No. 88
Inlet Type H-5 & m
of 375mm Pipe, Slotted
Drain Lt. & Rt. & 1
P.E.S. Req'd.
STRUCTURE No. 89
Inlet Type H-5 & m
of 375mm Pipe, Slotted
Drain Lt. & Rt. & 1
P.E.S. Req'd.
STRUCTURE No. 88
See Sheet No. 147
STRUCTURE No. 89
See Sheet No. 147
STRUCTURE NO. 90A
See Sht. No. 147
For Line "A" Construction Details See Sheet No. 147
104Mg Revetment Riprap
56m² of Geotextile Req'd. Lt.
GUARDRAIL LEGEND
1 End Treatment Type "OS"
2 Guardrail Transition Type "TGB"
4 Guardrail Transition Type "GP"
BRONZE DISK @ N.W. COR. OF N.B. I-65 BRDG OVER
LITTLE EAGLE GREEK ISHC MARG-137
TBM#18-CUT "X" IN W. SIDE LIGHT BASE#98-398-A APPROX.
2 m RT. OF SHLDR. OF N.B. I-65 & 122 m S. of R.R.P.
119/2 OUT FROM POUR-MORE BEVERAGE SYSTEMS, INC.
STA. 8+582.000"A", 22 m LT., El. 237.184
416.86m W-Beam Guardrail Req'd. Lt.
PVI STA = 8+380
PVI ELEV = 229.583
510m V.C.
See Preceding Sheet for Guardrail
Guardrail Right
Profile Grade
-2.130%
Existing Ground Along Line "A"
-1.010%
-0.394%
-5.303%
+300, El. 229.200
+340, El. 227.080
364.805m W-Beam Guardrail Req'd. Rt.
Grade Spec. 1.2m Flat Bottom Ditch Req'd. Rt.
238
236
234
232
230
228
226
224
222
230.033
230.210
231.031
227.076
225.762
227.722
230.844
230.722
231.044
231.190
231.390
231.617
231.937
232.210
232.455
232.887
233.312
233.801
234.039

PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

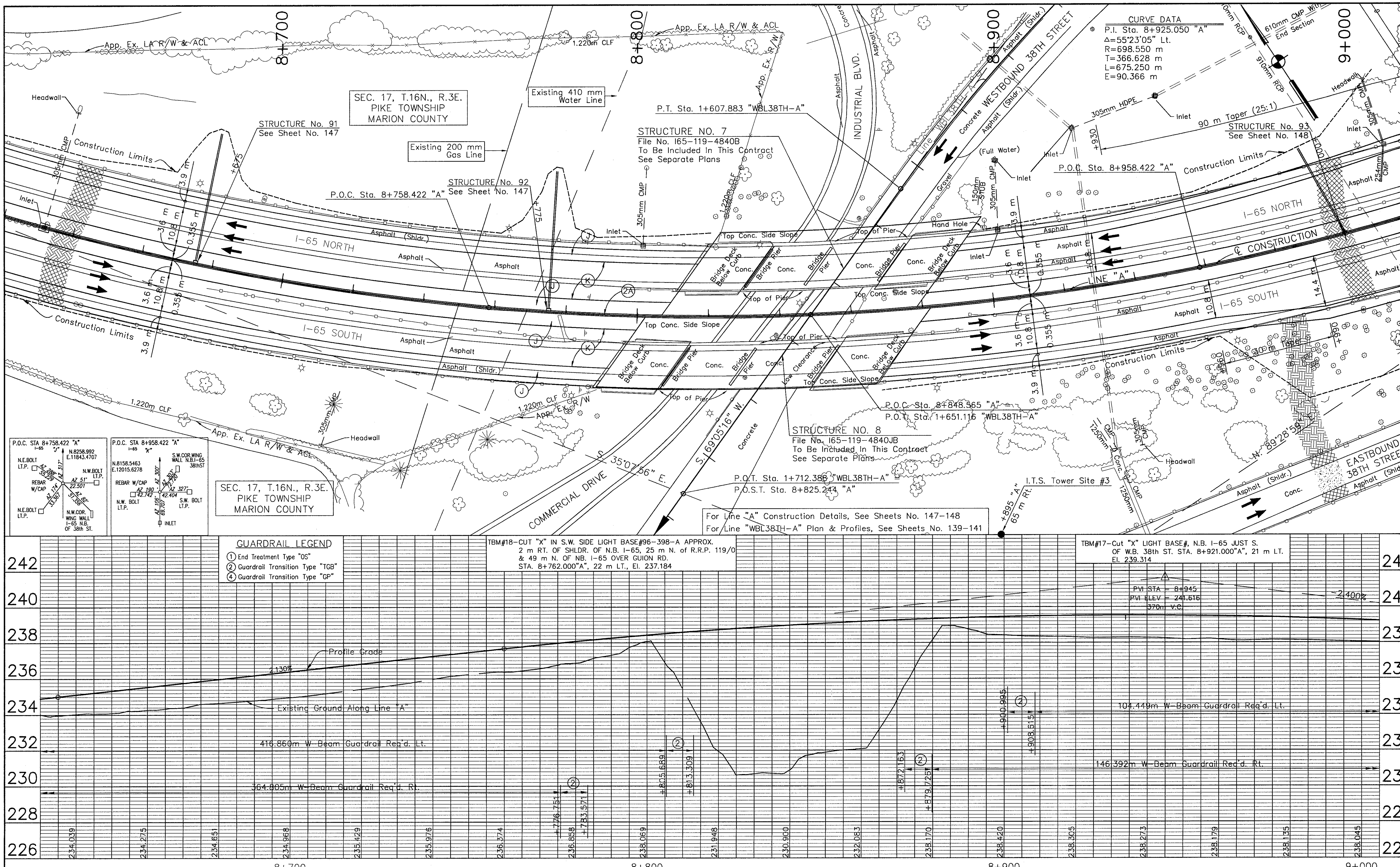
RECOMMENDED FOR APPROVAL: Stephen F. Weintraut 9/28/01
DESIGN ENGINEER DATE

DESIGNED: BZ	DRAWN: DB
CHECKED: MO	CHECKED: BZ

INDIANA DEPARTMENT OF TRANSPORTATION

I-65/LINE "A" PLAN & PROFILE

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 9614680
SURVEY BOOK	SHEETS 126 of 520
CONTRACT R-24327	PROJECT IM-65-3(281)118



PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (2A) Modified Concrete Median Barrier
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

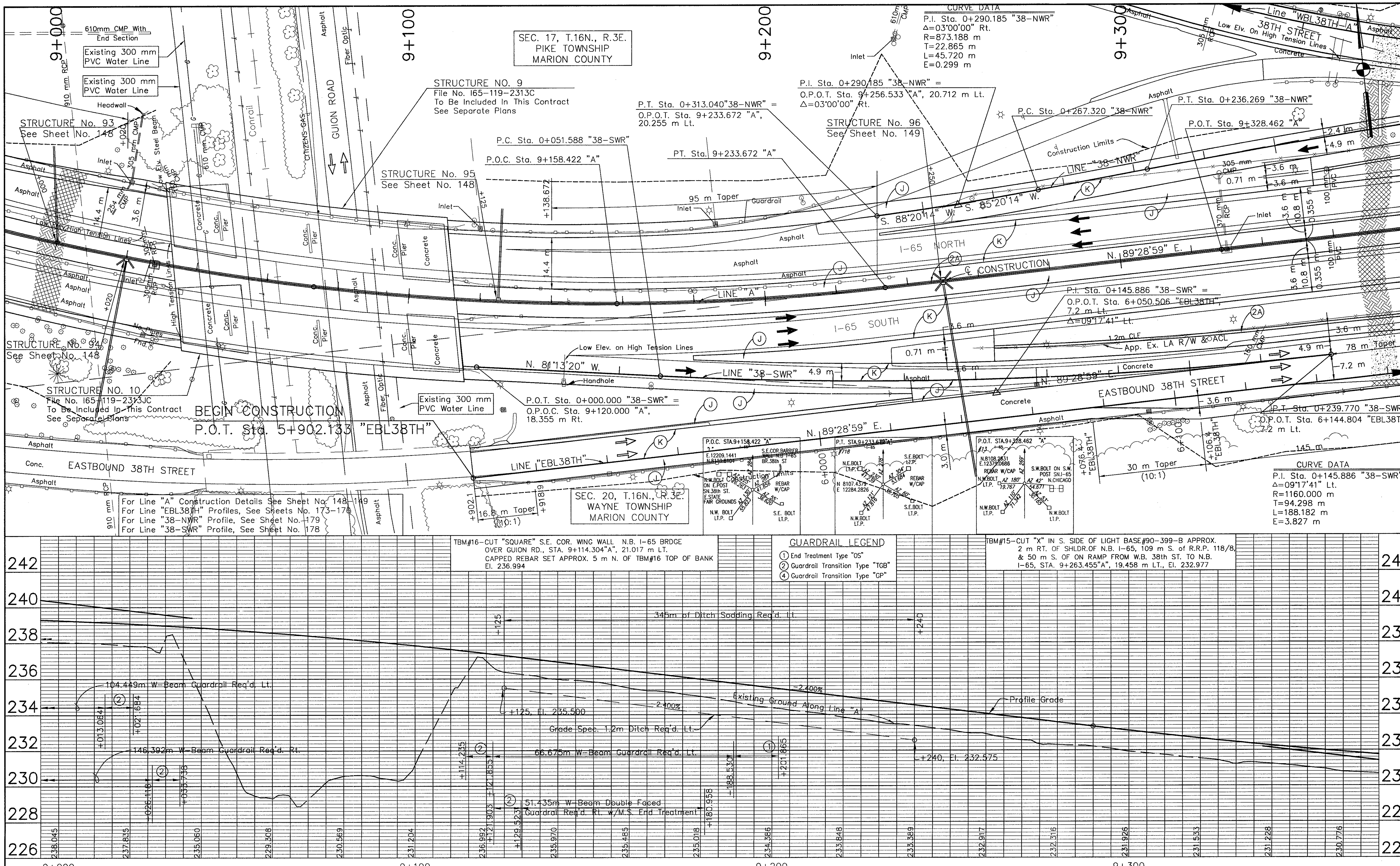
RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

DESIGNED: BZ	DRAWN: DB
CHECKED: MO	CHECKED: BZ

INDIANA
DEPARTMENT OF TRANSPORTATION

I-65/LINE "A"
PLAN & PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	127 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



PROPOSED LEGEND (See Typicals)

- Ⓐ QC/QA, 350 mm Plain Cement Concrete Pavement
- Ⓙ Shoulder Pavement
- Ⓚ Mainline Pavement
- ② 1170 mm Concrete Median Barrier
- ②A Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

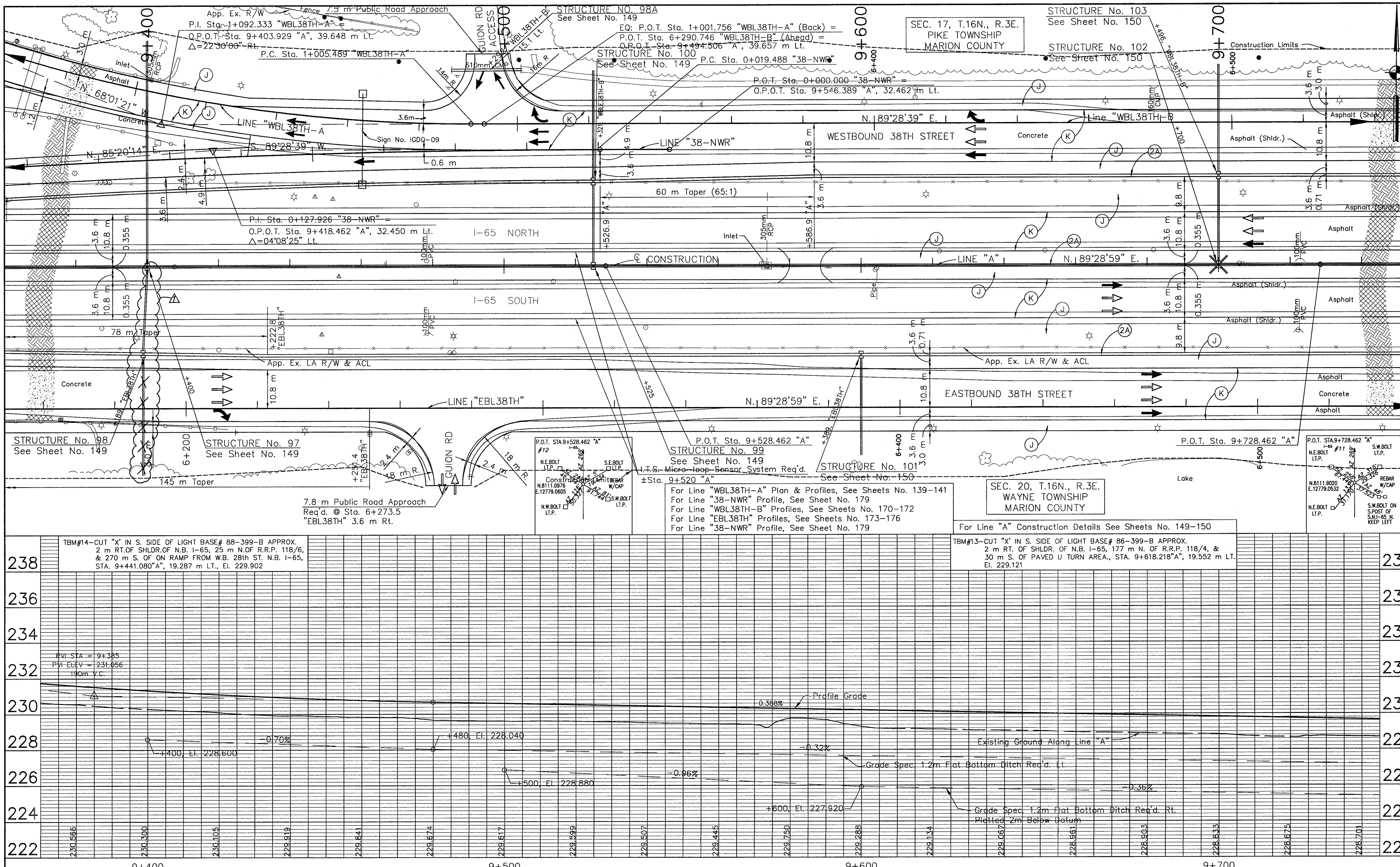
STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER		9/28/01 DATE
DESIGNED: BZ		DRAWN: DB	
CHECKED: MO		CHECKED: BZ	

INDIANA
DEPARTMENT OF TRANSPORTATION

I-65/LINE "A"
PLAN & PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	128 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier
- (22) Center Curb Type "B"

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

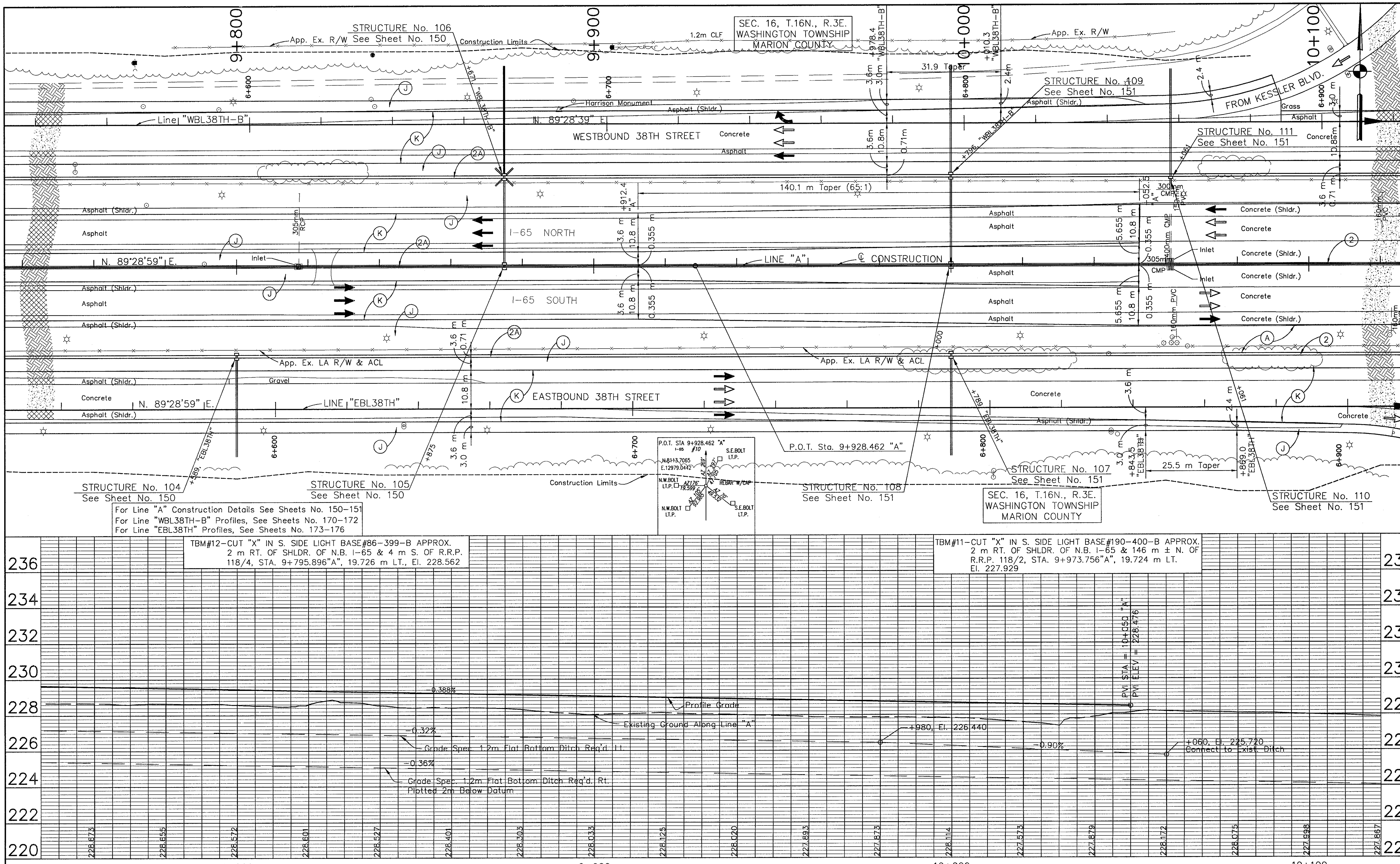
RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

DESIGNED: BZ DRAWN: DB
CHECKED: MO CHECKED: BZ

INDIANA DEPARTMENT OF TRANSPORTATION

I-65/LINE "A" PLAN & PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	129 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



PROPOSED LEGEND (See Typicals)
- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND
- Existing Asphalt
- Existing Concrete
- Existing Earth

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

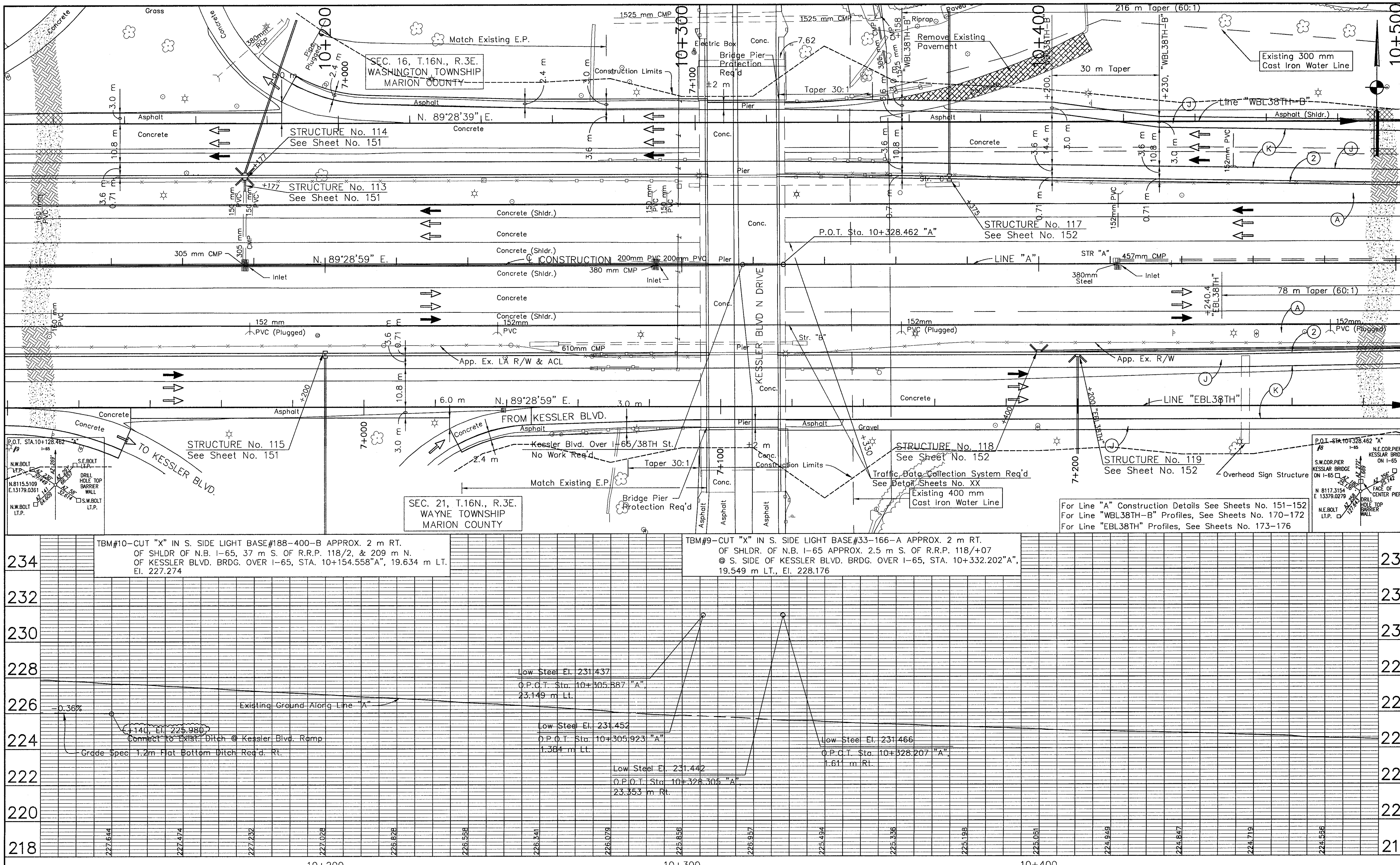
RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

DESIGNED: BZ | DRAWN: DB
CHECKED: MO | CHECKED: BZ

INDIANA
DEPARTMENT OF TRANSPORTATION

I-65/LINE "A"
PLAN & PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	130 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

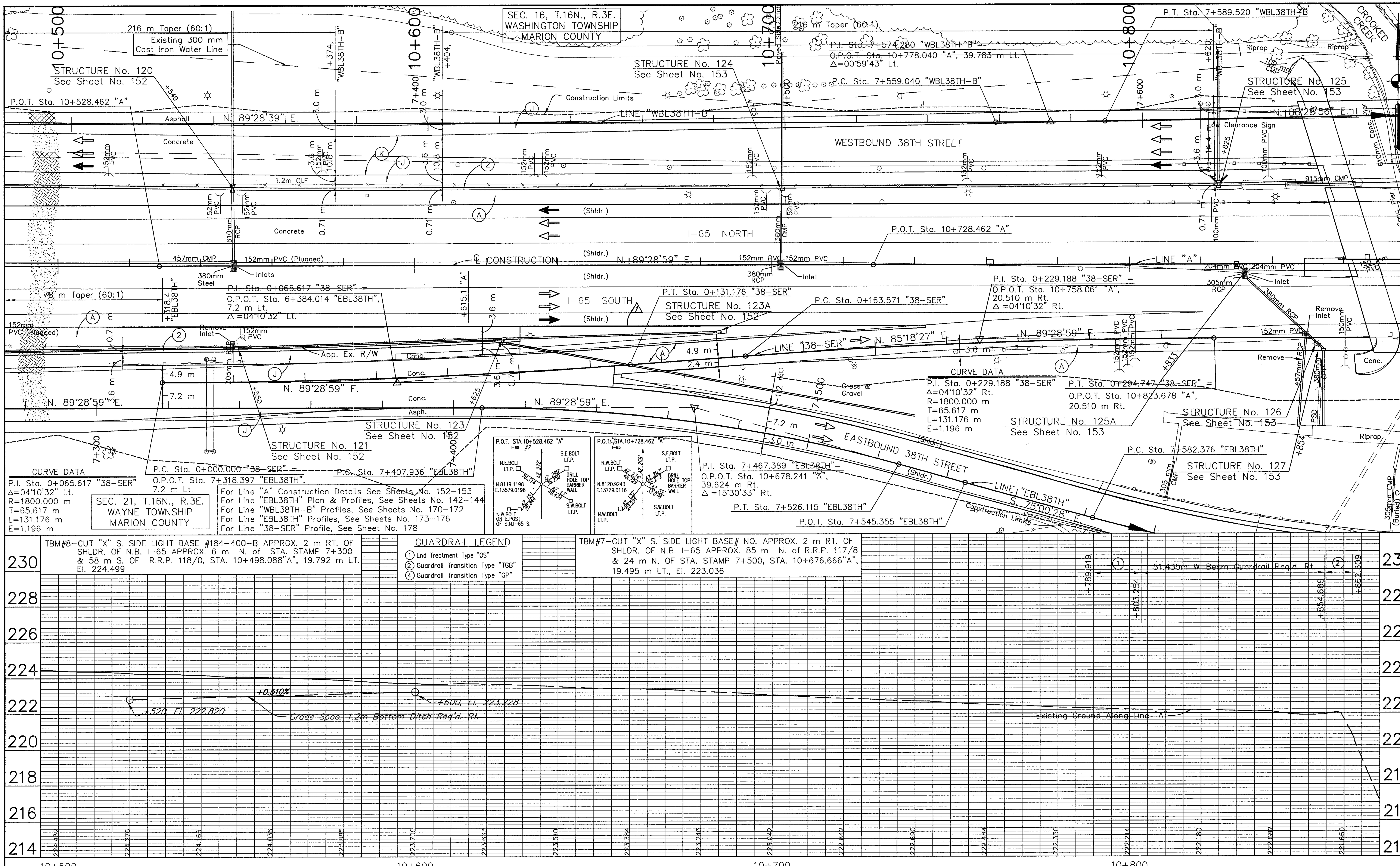
RECOMMENDED FOR APPROVAL [signature] DESIGN ENGINEER 9/28/01 DATE

DESIGNED: BZ DRAWN: DB
CHECKED: MO CHECKED: BZ

INDIANA DEPARTMENT OF TRANSPORTATION

I-65/LINE "A"
PLAN & PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	131 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118


SEC. 16, T.16N., R.3E.
WASHINGTON TOWNSHIP
MARION COUNTY
216 m Taper (60:1)
Existing 300 mm Cast Iron Water Line
STRUCTURE No. 120 See Sheet No. 152
P.O.T. Sta. 10+528.462 "A"
N. 89°28'39" E.
STRUCTURE No. 124 See Sheet No. 153
P.I. Sta. 7+574.280 "WBL38TH-B" =
O.P.O.T. Sta. 10+778.040 "A", 39.783 m Lt.
Δ=00°59'43" Lt.
P.C. Sta. 7+559.040 "WBL38TH-B"
P.T. Sta. 7+589.520 "WBL38TH-B"
CROOKED CREEK
STRUCTURE No. 125 See Sheet No. 153
Construction Limits
LINE "WBL38TH-B"
WESTBOUND 38TH STREET
Clearance Sign
915mm CMP
I-65 NORTH
P.O.T. Sta. 10+728.462 "A"
CONSTRUCTION
N. 89°28'59" E.
LINE "A"
I-65 SOUTH
78 m Taper (60:1)
P.I. Sta. 0+065.617 "38-SER" =
O.P.O.T. Sta. 6+384.014 "EBL38TH",
7.2 m Lt.
Δ=04°10'32" Lt.
P.T. Sta. 0+131.176 "38-SER"
STRUCTURE No. 123A See Sheet No. 152
P.C. Sta. 0+163.571 "38-SER"
P.I. Sta. 0+229.188 "38-SER" =
O.P.O.T. Sta. 10+758.061 "A",
20.510 m Rt.
Δ=04°10'32" Rt.
LINE "38-SER"
N. 85°18'27" E.
CURVE DATA
P.I. Sta. 0+229.188 "38-SER"
Δ=04°10'32" Rt.
R=1800.000 m
T=65.617 m
L=131.176 m
E=1.196 m
P.T. Sta. 0+294.747 "38-SER" =
O.P.O.T. Sta. 10+823.678 "A",
20.510 m Rt.
STRUCTURE No. 125A See Sheet No. 153
STRUCTURE No. 126 See Sheet No. 153
STRUCTURE No. 127 See Sheet No. 153
P.C. Sta. 7+582.376 "EBL38TH"
STRUCTURE No. 123 See Sheet No. 152
STRUCTURE No. 121 See Sheet No. 152
EASTBOUND 38TH STREET
LINE "EBL38TH"
S. 75°00'28" E.
P.I. Sta. 7+467.389 "EBL38TH" =
O.P.O.T. Sta. 10+678.241 "A",
39.624 m Rt.
Δ=15°30'33" Rt.
P.T. Sta. 7+526.115 "EBL38TH"
P.O.T. Sta. 7+545.355 "EBL38TH"
CURVE DATA
P.I. Sta. 0+065.617 "38-SER"
Δ=04°10'32" Lt.
R=1800.000 m
T=65.617 m
L=131.176 m
E=1.196 m
P.C. Sta. 0+000.000 "38-SER" =
O.P.O.T. Sta. 7+318.397 "EBL38TH",
7.2 m Lt.
P.C. Sta. 7+407.936 "EBL38TH"
SEC. 21, T.16N., R.3E.
WAYNE TOWNSHIP
MARION COUNTY
For Line "A" Construction Details See Sheets No. 152-153
For Line "EBL38TH" Plan & Profiles, See Sheets No. 142-144
For Line "WBL38TH-B" Profiles, See Sheets No. 170-172
For Line "EBL38TH" Profiles, See Sheets No. 173-176
For Line "38-SER" Profile, See Sheet No. 178
TBM#8-CUT "X" S. SIDE LIGHT BASE #184-400-B APPROX. 2 m RT. OF SHLDR. OF N.B. I-65 APPROX. 6 m N. of STA. STAMP 7+300 & 58 m S. OF R.R.P. 118/0, STA. 10+498.088"A", 19.792 m LT. El. 224.499
GUARDRAIL LEGEND
1 End Treatment Type "OS"
2 Guardrail Transition Type "TGB"
4 Guardrail Transition Type "GP"
TBM#7-CUT "X" S. SIDE LIGHT BASE# NO. APPROX. 2 m RT. OF SHLDR. OF N.B. I-65 APPROX. 85 m N. of R.R.P. 117/8 & 24 m N. OF STA. STAMP 7+500, STA. 10+676.666"A", 19.495 m LT., El. 223.036
51.435m W-Beam Guardrail Req'd. Rt.
+0.510%
+520, El. 222.820
+600, El. 223.228
Grade Spec. 1.2m Bottom Ditch Req'd. Rt.
Existing Ground Along Line "A"
10+500
10+600
10+700
10+800

PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

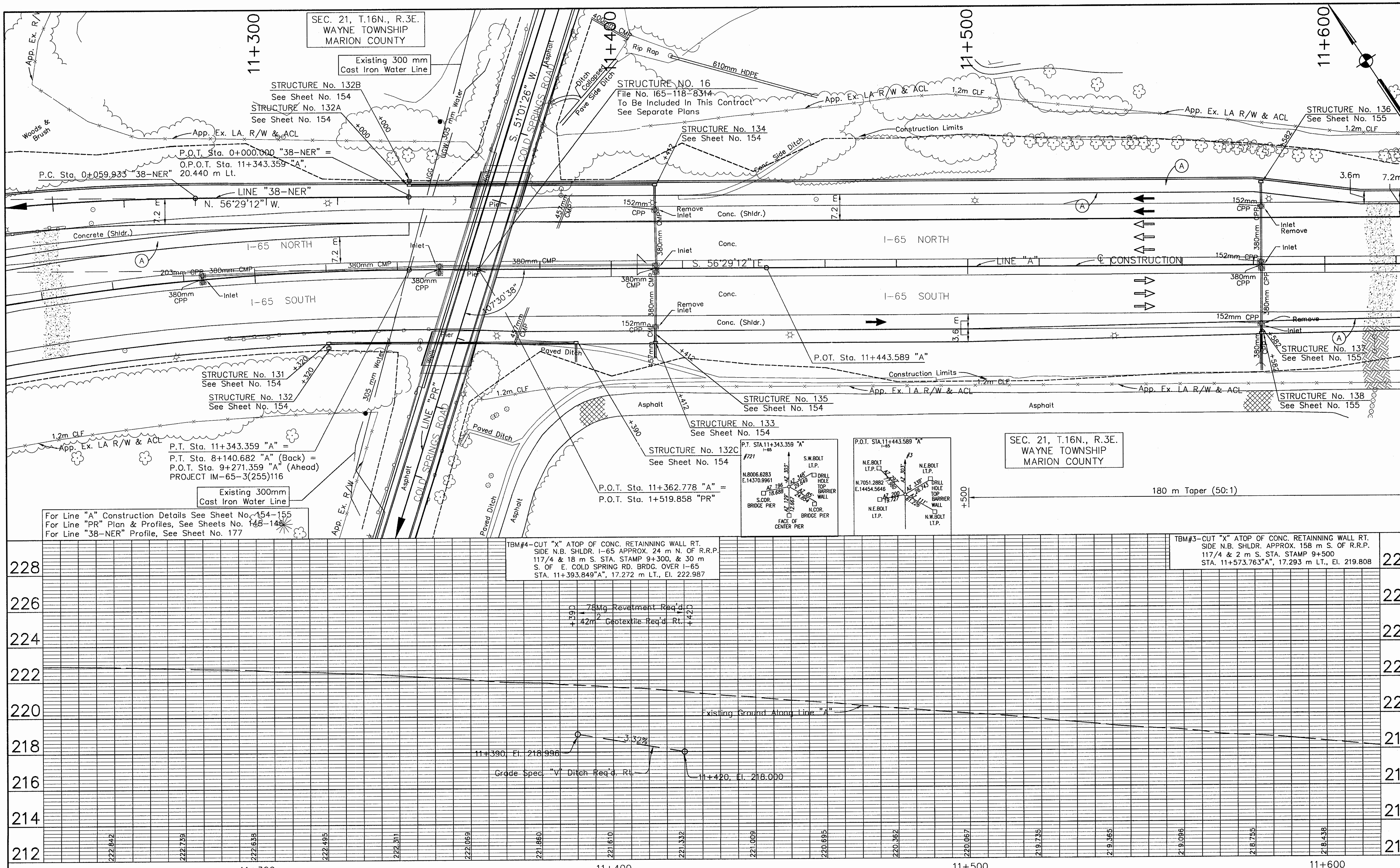
RECOMMENDED FOR APPROVAL Stephen F. Weintraut 9/28/01
DESIGN ENGINEER DATE

DESIGNED: BZ	DRAWN: DB
CHECKED: MO	CHECKED: BZ

INDIANA
DEPARTMENT OF TRANSPORTATION

I-65/LINE "A"
PLAN & PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	132 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

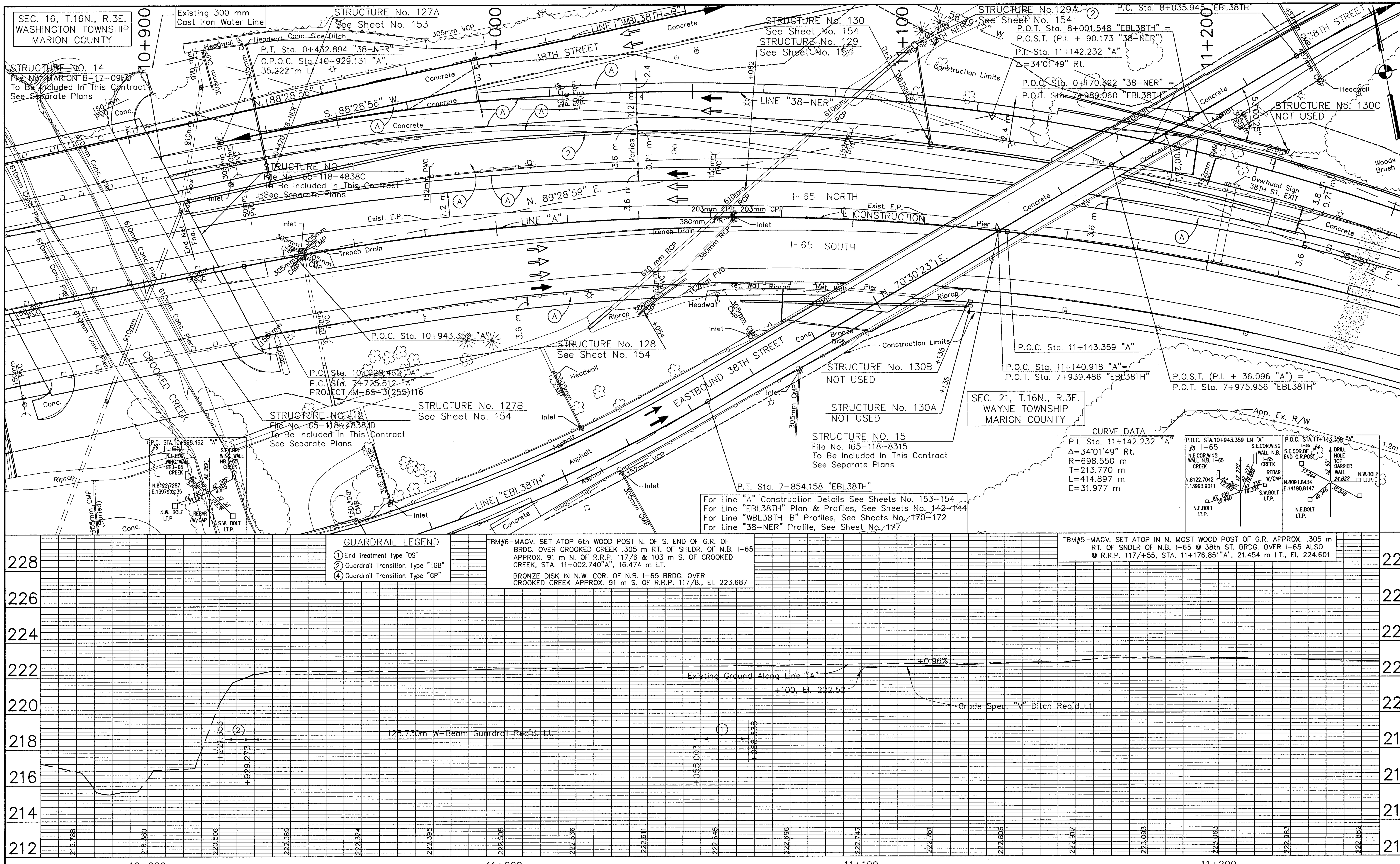
RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

DESIGNED: BZ DRAWN: DB
CHECKED: MO CHECKED: BZ

INDIANA DEPARTMENT OF TRANSPORTATION

I-65/LINE "A" PLAN & PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	134 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



SEC. 16, T.16N., R.3E.
WASHINGTON TOWNSHIP
MARION COUNTY
Existing 300 mm Cast Iron Water Line
STRUCTURE No. 127A
See Sheet No. 153
STRUCTURE NO. 14
File No. MARION B-17-09EG
To Be Included In This Contract
See Separate Plans
P.T. Sta. 0+432.894 "38-NER" =
O.P.O.C. Sta. 10+929.131 "A",
35.222 m Lt.
LINE "WBL38TH-B"
38TH STREET
S. 88°28'56" W.
N. 88°28'56" E.
STRUCTURE No. 130
See Sheet No. 154
STRUCTURE No. 129
See Sheet No. 154
STRUCTURE No.129A
See Sheet No. 154
P.C. Sta. 8+035.945 "EBL38TH"
P.O.T. Sta. 8+001.548 "EBL38TH" =
P.O.S.T. (P.I. + 90.173 "38-NER")
P.I. Sta. 11+142.232 "A"
Δ=34°01'49" Rt.
P.O.C. Sta. 0+170.392 "38-NER" =
P.O.T. Sta. 7+989.060 "EBL38TH"
STRUCTURE No. 130C
NOT USED
LINE "38-NER"
Construction Limits
Woods and Brush
STRUCTURE NO. 11
File No. 165-118-4838C
To Be Included In This Contract
See Separate Plans
N. 89°28'59" E.
LINE "A"
I-65 NORTH
CONSTRUCTION
I-65 SOUTH
Overhead Sign 38TH ST. EXIT
S. 56°29'12" E.
N. 70°30'23" E.
CROOKED CREEK
P.O.C. Sta. 10+943.359 "A"
STRUCTURE No. 128
See Sheet No. 154
P.C. Sta. 10+928.462 "A" =
P.C. Sta. 7+725.512 "A"
PROJECT IM-65-3(255)116
STRUCTURE No. 127B
See Sheet No. 154
STRUCTURE NO. 12
File No. 165-118-4838D
To Be Included In This Contract
See Separate Plans
EASTBOUND 38TH STREET
LINE "EBL38TH"
STRUCTURE No. 130B
NOT USED
STRUCTURE No. 130A
NOT USED
STRUCTURE NO. 15
File No. 165-118-8315
To Be Included In This Contract
See Separate Plans
P.O.C. Sta. 11+143.359 "A"
P.O.C. Sta. 11+140.918 "A"=
P.O.T. Sta. 7+939.486 "EBL38TH"
P.O.S.T. (P.I. + 36.096 "A") =
P.O.T. Sta. 7+975.956 "EBL38TH"
SEC. 21, T.16N., R.3E.
WAYNE TOWNSHIP
MARION COUNTY
CURVE DATA
P.I. Sta. 11+142.232 "A"
Δ=34°01'49" Rt.
R=698.550 m
T=213.770 m
L=414.897 m
E=31.977 m
P.T. Sta. 7+854.158 "EBL38TH"
For Line "A" Construction Details See Sheets No. 153-154
For Line "EBL38TH" Plan & Profiles, See Sheets No. 142-144
For Line "WBL38TH-B" Profiles, See Sheets No. 170-172
For Line "38-NER" Profile, See Sheet No. 177
GUARDRAIL LEGEND
1 End Treatment Type "OS"
2 Guardrail Transition Type "TGB"
4 Guardrail Transition Type "GP"
TBM#6-MAGV. SET ATOP 6th WOOD POST N. OF S. END OF G.R. OF BRDG. OVER CROOKED CREEK .305 m RT. OF SHLDR. OF N.B. I-65 APPROX. 91 m N. OF R.R.P. 117/6 & 103 m S. OF CROOKED CREEK, STA. 11+002.740"A", 16.474 m LT.
BRONZE DISK IN N.W. COR. OF N.B. I-65 BRDG. OVER CROOKED CREEK APPROX. 91 m S. OF R.R.P. 117/8., El. 223.687
TBM#5-MAGV. SET ATOP IN N. MOST WOOD POST OF G.R. APPROX. .305 m RT. OF SNDLR OF N.B. I-65 @ 38th ST. BRDG. OVER I-65 ALSO @ R.R.P. 117/+55, STA. 11+176.851"A", 21.454 m LT., El. 224.601
Existing Ground Along Line "A"
+100, El. 222.52
+0.96%
Grade Spec. "V" Ditch Req'd Lt.
125.730m W-Beam Guardrail Req'd. Lt.
228
226
224
222
220
218
216
214
212
216.788
216.380
220.536
222.359
222.374
222.395
222.505
222.536
222.611
222.645
222.696
222.747
222.781
222.806
222.917
223.093
223.053
222.983
222.892
10+900
11+000
11+100
11+200

PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

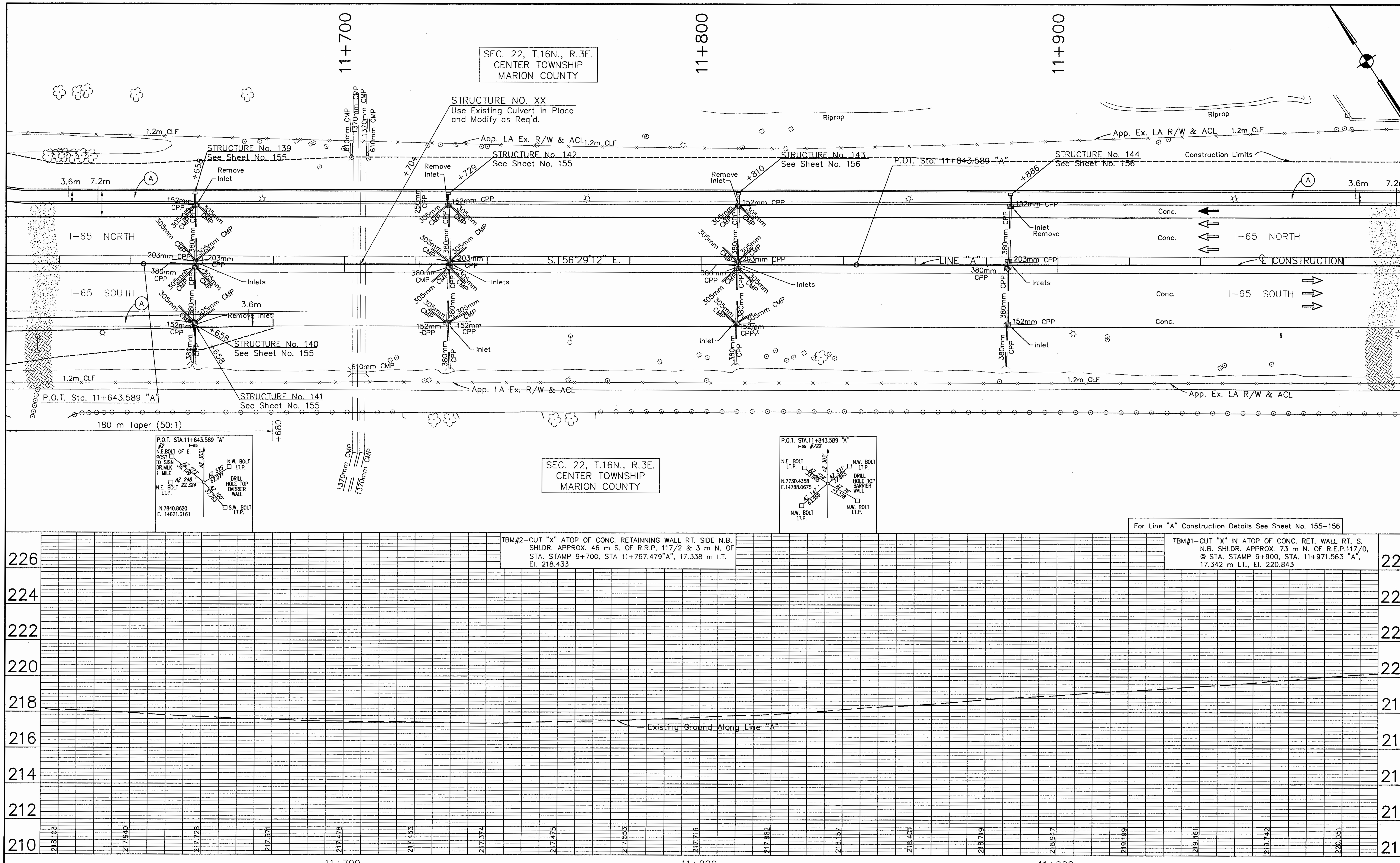
RECOMMENDED FOR APPROVAL Stephen F. Weintraut 9/28/01
DESIGN ENGINEER DATE

DESIGNED: BZ DRAWN: DB
CHECKED: MO CHECKED: BZ

INDIANA
DEPARTMENT OF TRANSPORTATION

I-65/LINE "A"
PLAN & PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	133 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



11+700
11+800
11+900
SEC. 22, T.16N., R.3E.
CENTER TOWNSHIP
MARION COUNTY
STRUCTURE NO. XX
Use Existing Culvert in Place and Modify as Req'd.
STRUCTURE No. 139
See Sheet No. 155
STRUCTURE No. 142
See Sheet No. 155
STRUCTURE No. 143
See Sheet No. 156
STRUCTURE No. 144
See Sheet No. 156
STRUCTURE No. 140
See Sheet No. 155
STRUCTURE No. 141
See Sheet No. 155
P.O.T. Sta. 11+843.589 "A"
P.O.T. Sta. 11+643.589 "A"
App. LA Ex. R/W & ACL
App. Ex. LA R/W & ACL
1.2m CLF
Riprap
Construction Limits
Remove Inlet
Inlets
Inlet
I-65 NORTH
I-65 SOUTH
S.56°29'12" E.
LINE "A"
℄ CONSTRUCTION
Conc.
180 m Taper (50:1)
610mm CMP
1370mm CMP
For Line "A" Construction Details See Sheet No. 155-156
TBM#2-CUT "X" ATOP OF CONC. RETAINNING WALL RT. SIDE N.B. SHLDR. APPROX. 46 m S. OF R.R.P. 117/2 & 3 m N. OF STA. STAMP 9+700, STA 11+767.479"A", 17.338 m LT. El. 218.433
TBM#1-CUT "X" IN ATOP OF CONC. RET. WALL RT. S. N.B. SHLDR. APPROX. 73 m N. OF R.E.P.117/0, @ STA. STAMP 9+900, STA. 11+971.563 "A", 17.342 m LT., El. 220.843
Existing Ground Along Line "A"
226
224
222
220
218
216
214
212
210
218.103
217.940
217.728
217.571
217.478
217.433
217.374
217.475
217.553
217.716
217.882
218.157
218.401
218.719
218.947
219.199
219.461
219.742
220.051

PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

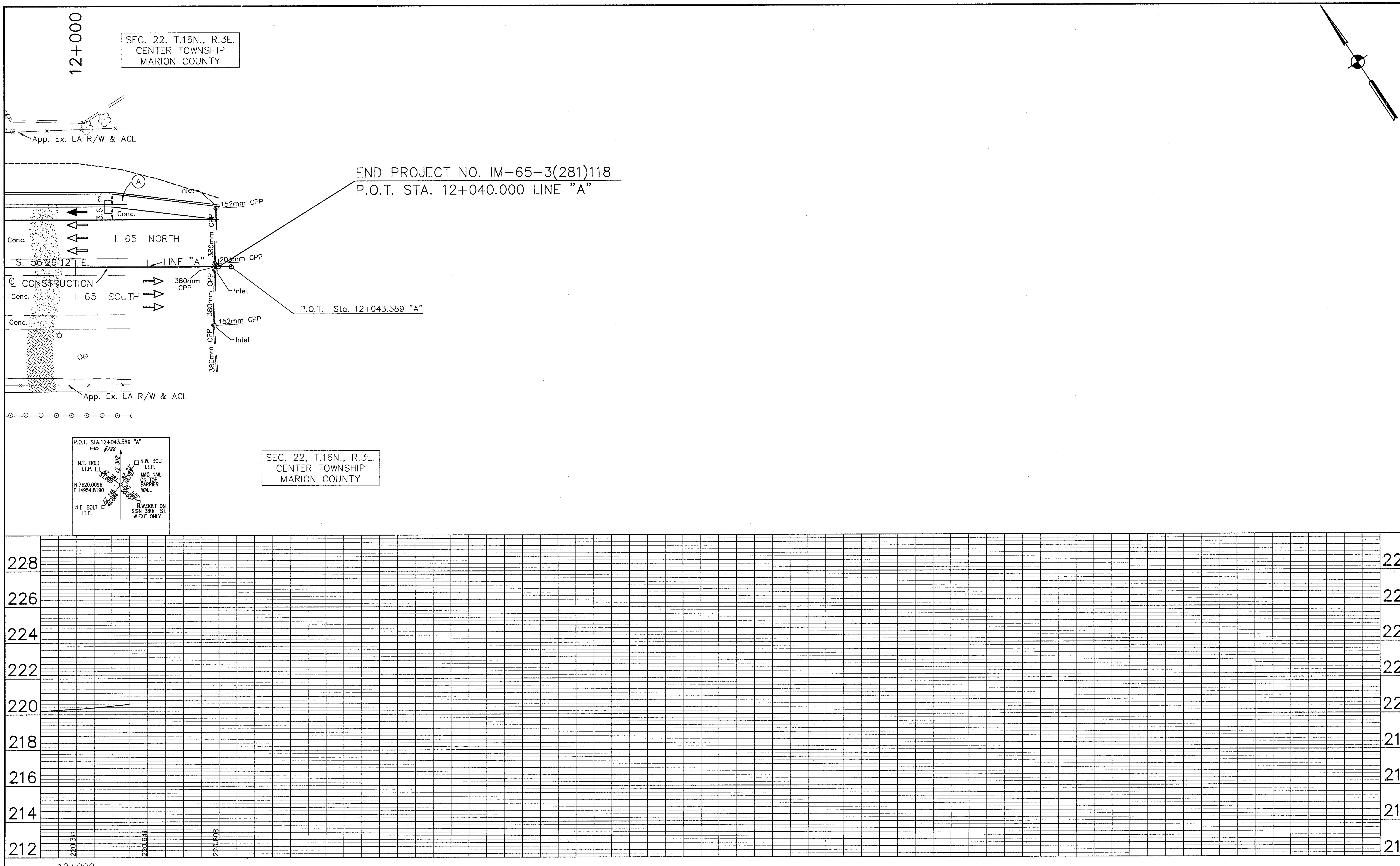
RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 9/28/01 DATE

DESIGNED: BZ DRAWN: DB
CHECKED: MO CHECKED: BZ

INDIANA DEPARTMENT OF TRANSPORTATION

I-65/LINE "A"
PLAN & PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	135 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

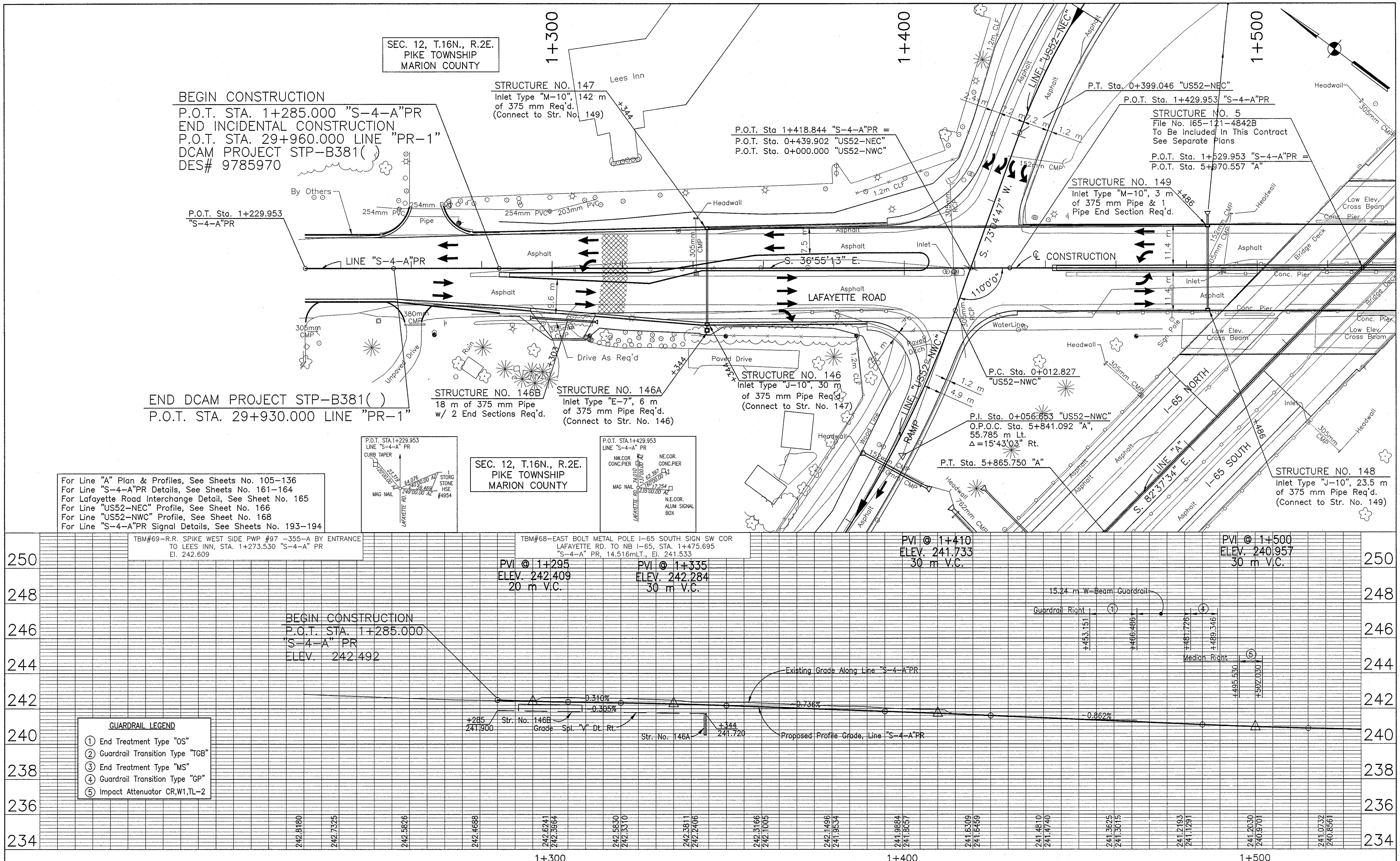
RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

DESIGNED: BZ DRAWN: DB
CHECKED: MO CHECKED: BZ

INDIANA DEPARTMENT OF TRANSPORTATION

I-65/LINE "A" PLAN & PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	136 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118


SEC. 12, T.16N., R.2E.
PIKE TOWNSHIP
MARION COUNTY
BEGIN CONSTRUCTION
P.O.T. STA. 1+285.000 "S-4-A"PR
END INCIDENTAL CONSTRUCTION
P.O.T. STA. 29+960.000 LINE "PR-1"
DCAM PROJECT STP-B381( )
DES# 9785970
STRUCTURE NO. 147
Inlet Type "M-10", 142 m of 375 mm Req'd. (Connect to Str. No. 149)
Lees Inn
P.O.T. Sta 1+418.844 "S-4-A"PR =
P.O.T. Sta. 0+439.902 "US52-NEC"
P.O.T. Sta. 0+000.000 "US52-NWC"
P.T. Sta. 0+399.046 "US52-NEC"
P.O.T. Sta. 1+429.953 "S-4-A"PR
STRUCTURE NO. 5
File No. I65-121-4842B
To Be Included In This Contract
See Separate Plans
P.O.T. Sta. 1+529.953 "S-4-A"PR =
P.O.T. Sta. 5+970.557 "A"
STRUCTURE NO. 149
Inlet Type "M-10", 3 m of 375 mm Pipe & 1 Pipe End Section Req'd.
P.O.T. Sta. 1+229.953
"S-4-A"PR
LINE "S-4-A"PR
S. 36°55'13" E.
℄ CONSTRUCTION
LAFAYETTE ROAD
S. 73°04'47" W.
LINE "US52-NEC"
LINE "US52-NWC"
RAMP
Drive As Req'd
Paved Drive
STRUCTURE NO. 146
Inlet Type "J-10", 30 m of 375 mm Pipe Req'd. (Connect to Str. No. 147)
STRUCTURE NO. 146B
18 m of 375 mm Pipe w/ 2 End Sections Req'd.
STRUCTURE NO. 146A
Inlet Type "E-7", 6 m of 375 mm Pipe Req'd. (Connect to Str. No. 146)
END DCAM PROJECT STP-B381( )
P.O.T. STA. 29+930.000 LINE "PR-1"
P.C. Sta. 0+012.827
"US52-NWC"
P.I. Sta. 0+056.653 "US52-NWC"
O.P.O.C. Sta. 5+841.092 "A", 55.785 m Lt.
Δ=15°43'03" Rt.
P.T. Sta. 5+865.750 "A"
I-65 NORTH
I-65 SOUTH
LINE "A"
S. 82°37'34" E.
STRUCTURE NO. 148
Inlet Type "J-10", 23.5 m of 375 mm Pipe Req'd. (Connect to Str. No. 149)
For Line "A" Plan & Profiles, See Sheets No. 105-136
For Line "S-4-A"PR Details, See Sheets No. 161-164
For Lafayette Road Interchange Detail, See Sheet No. 165
For Line "US52-NEC" Profile, See Sheet No. 166
For Line "US52-NWC" Profile, See Sheet No. 168
For Line "S-4-A"PR Signal Details, See Sheets No. 193-194
TBM#69-R.R. SPIKE WEST SIDE PWP #97 -355-A BY ENTRANCE TO LEES INN, STA. 1+273.530 "S-4-A" PR El. 242.609
TBM#68-EAST BOLT METAL POLE I-65 SOUTH SIGN SW COR LAFAYETTE RD. TO NB I-65, STA. 1+475.695 "S-4-A" PR, 14.516mLT., El. 241.533
PVI @ 1+295
ELEV. 242.409
20 m V.C.
PVI @ 1+335
ELEV. 242.284
30 m V.C.
PVI @ 1+410
ELEV. 241.733
30 m V.C.
PVI @ 1+500
ELEV. 240.957
30 m V.C.
BEGIN CONSTRUCTION
P.O.T. STA. 1+285.000
"S-4-A" PR
ELEV. 242.492
15.24 m W-Beam Guardrail
Guardrail Right
Median Right
Existing Grade Along Line "S-4-A"PR
Proposed Profile Grade, Line "S-4-A"PR
0.310%
-0.305%
-0.736%
-0.862%
+285
241.900
Str. No. 146B
Grade Spl. "V" Dt. Rt.
Str. No. 146A
+344
241.720
1+300
1+400
1+500

GUARDRAIL LEGEND

1. End Treatment Type "OS"
2. Guardrail Transition Type "TGB"
3. End Treatment Type "MS"
4. Guardrail Transition Type "GP"
5. Impact Attenuator CR,W1,TL-2

PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (F) Fence, Chain Link, 1220 mm
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

REGISTERED PROFESSIONAL ENGINEER — IBRAHIM SWEDAN — No. PE19600226 — STATE OF INDIANA

RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

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

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE LINE "S-4-A"PR

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS 137 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

Time: 9:54:37
Date: 8/25/2001
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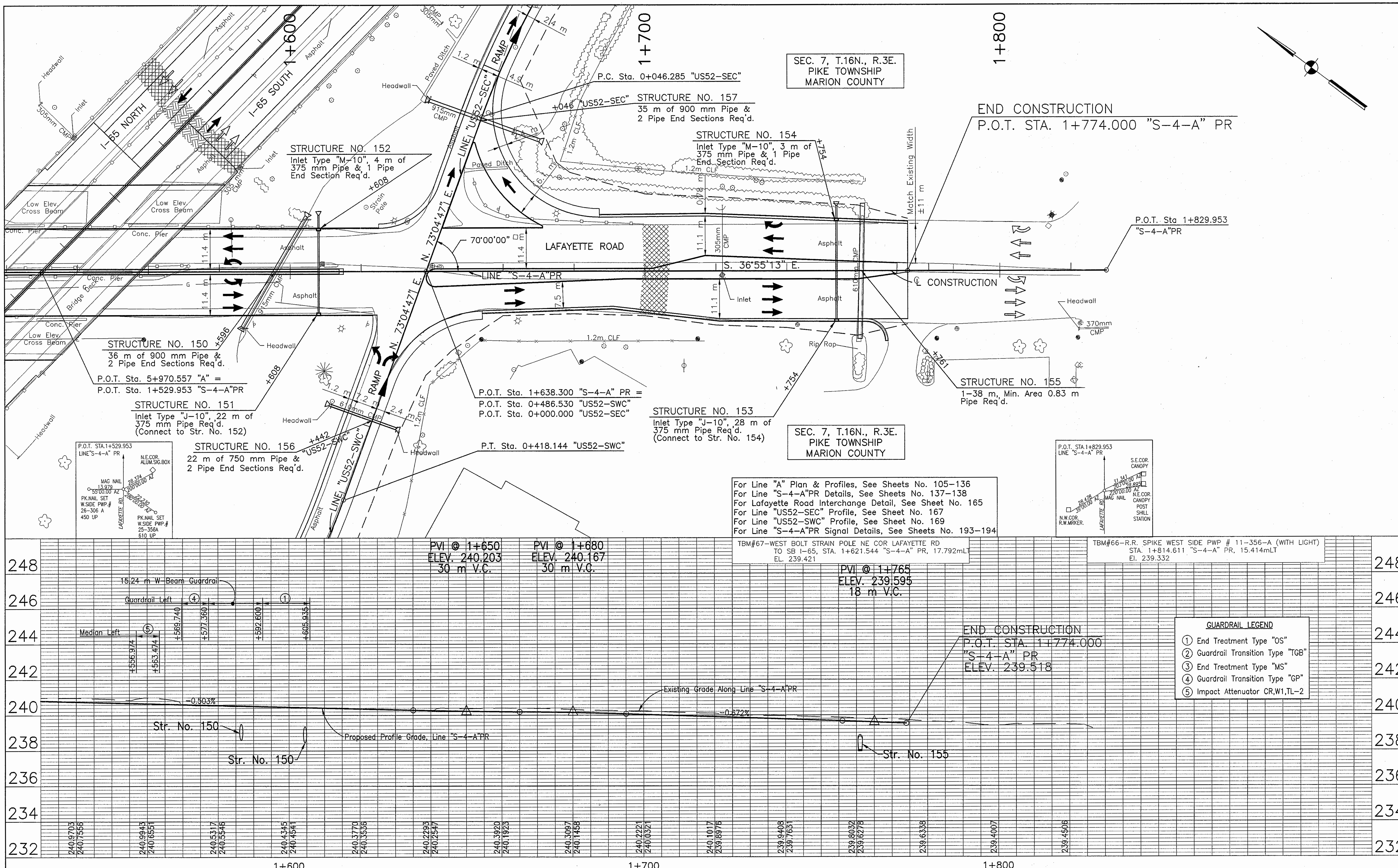

SEC. 7, T.16N., R.3E.
PIKE TOWNSHIP
MARION COUNTY
END CONSTRUCTION
P.O.T. STA. 1+774.000 "S-4-A" PR
P.C. Sta. 0+046.285 "US52-SEC"
+046 "US52-SEC" STRUCTURE NO. 157
35 m of 900 mm Pipe & 2 Pipe End Sections Req'd.
STRUCTURE NO. 154
Inlet Type "M-10", 3 m of 375 mm Pipe & 1 Pipe End Section Req'd.
STRUCTURE NO. 152
Inlet Type "M-10", 4 m of 375 mm Pipe & 1 Pipe End Section Req'd.
I-65 NORTH
I-65 SOUTH
LAFAYETTE ROAD
LINE "S-4-A"PR
S. 36°55'13" E.
℄ CONSTRUCTION
N. 73°04'47" E.
70°00'00"
Match Existing Width
P.O.T. Sta 1+829.953
"S-4-A"PR
STRUCTURE NO. 150
36 m of 900 mm Pipe & 2 Pipe End Sections Req'd.
P.O.T. Sta. 5+970.557 "A" =
P.O.T. Sta. 1+529.953 "S-4-A"PR
STRUCTURE NO. 151
Inlet Type "J-10", 22 m of 375 mm Pipe Req'd. (Connect to Str. No. 152)
STRUCTURE NO. 156
22 m of 750 mm Pipe & 2 Pipe End Sections Req'd.
P.O.T. Sta. 1+638.300 "S-4-A" PR =
P.O.T. Sta. 0+486.530 "US52-SWC"
P.O.T. Sta. 0+000.000 "US52-SEC"
P.T. Sta. 0+418.144 "US52-SWC"
STRUCTURE NO. 153
Inlet Type "J-10", 28 m of 375 mm Pipe Req'd. (Connect to Str. No. 154)
STRUCTURE NO. 155
1-38 m, Min. Area 0.83 m Pipe Req'd.
For Line "A" Plan & Profiles, See Sheets No. 105-136
For Line "S-4-A"PR Details, See Sheets No. 137-138
For Lafayette Road Interchange Detail, See Sheet No. 165
For Line "US52-SEC" Profile, See Sheet No. 167
For Line "US52-SWC" Profile, See Sheet No. 169
For Line "S-4-A"PR Signal Details, See Sheets No. 193-194
TBM#67-WEST BOLT STRAIN POLE NE COR LAFAYETTE RD TO SB I-65, STA. 1+621.544 "S-4-A" PR, 17.792mLT EL. 239.421
TBM#66-R.R. SPIKE WEST SIDE PWP # 11-356-A (WITH LIGHT) STA. 1+814.611 "S-4-A" PR, 15.414mLT El. 239.332
PVI @ 1+650
ELEV. 240.203
30 m V.C.
PVI @ 1+680
ELEV. 240.167
30 m V.C.
PVI @ 1+765
ELEV. 239.595
18 m V.C.
END CONSTRUCTION
P.O.T. STA. 1+774.000
"S-4-A" PR
ELEV. 239.518
15.24 m W-Beam Guardrail
Guardrail Left
Median Left
-0.503%
-0.672%
Existing Grade Along Line "S-4-A"PR
Proposed Profile Grade, Line "S-4-A"PR
Str. No. 150
Str. No. 155
GUARDRAIL LEGEND
① End Treatment Type "OS"
② Guardrail Transition Type "TGB"
③ End Treatment Type "MS"
④ Guardrail Transition Type "GP"
⑤ Impact Attenuator CR,W1,TL-2
1+600
1+700
1+800

PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (F) Fence, Chain Link, 1220 mm
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

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

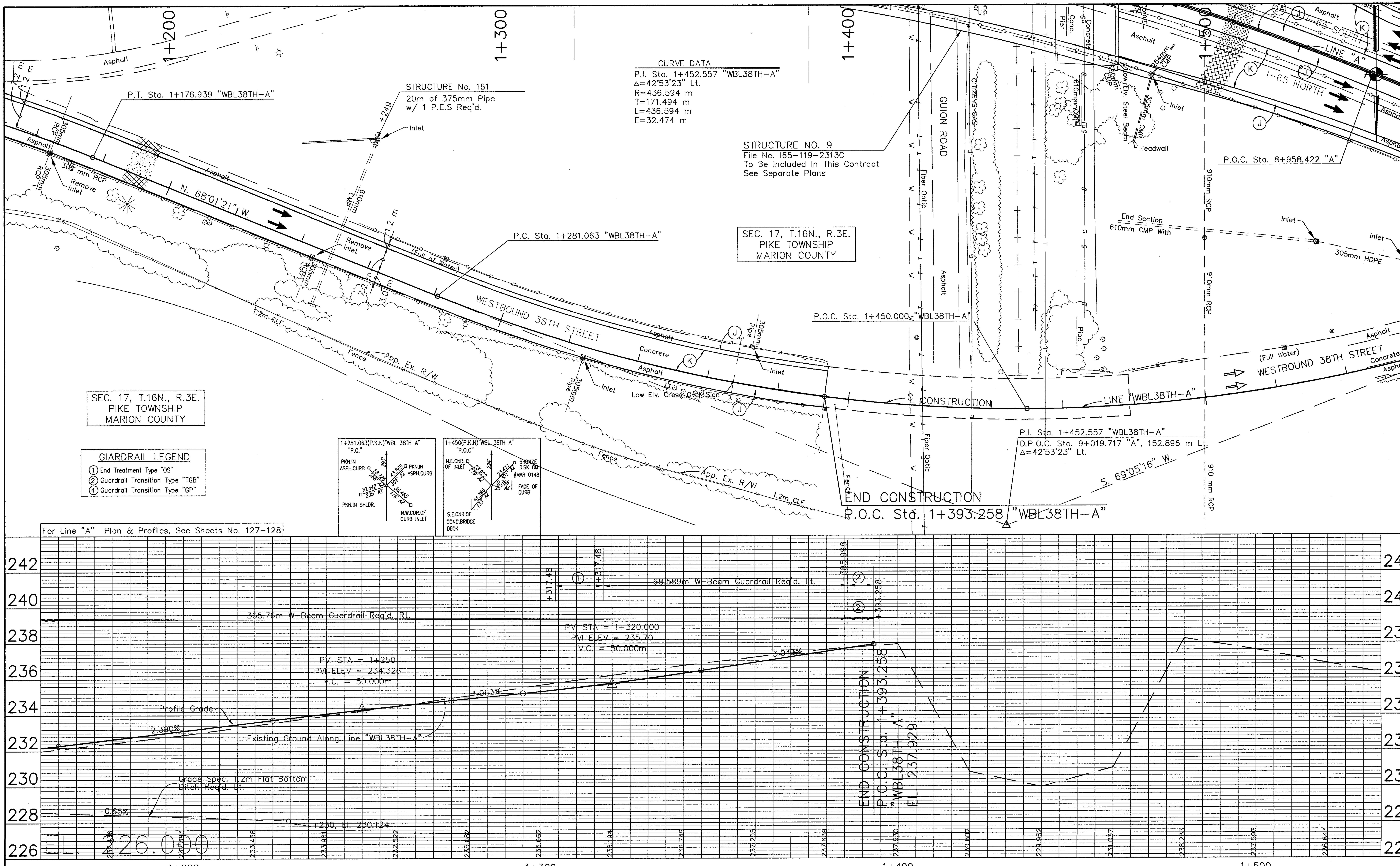
INDIANA DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
LINE "S-4-A"PR

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	138 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

Time: 9:56:50
Date: 8/25/2001

 SEC. 17, T.16N., R.3E.
PIKE TOWNSHIP
MARION COUNTY
LAKE
P.O.T. Sta. 9+528.462 "A"
LINE "EBL38TH"
EASTBOUND 38TH STREET
App. Ex. LA R/W & ACL
I-65 SOUTH
N. 89°28'59" E.
Line "A"
I-65 NORTH
LINE "38-NWR"
N. 89°28'39" E.
Line "WBL38TH-B"
℄ CONSTRUCTION
WESTBOUND 38TH STREET
Sign No. IGDO-09
LINE "WBL38TH-A"
S. 89°28'39" W.
N. 68°01'21" W.
Low Elv. On High Tension Lines
TO GUION RD
For Line "A" Construction Details See Sheet No. 149
For Line "A" Plan & Profiles, See Sheet No. 129
For Line "WBL38TH-B" Profiles, See Sheets No. 170-172
For Line "EBL38TH" Profiles, See Sheets No. 173-176
For Line "38-NWR" Profile, See Sheet No. 179
P.O.T. Sta. 0+000.000 "38-NWR" =
O.P.O.T. Sta. 9+546.389 "A", 32.462 m Lt.
P.C. Sta. 0+019.488 "38-NWR"
STRUCTURE NO. 98A
See Sheet No. 149
7.5 m Public Road Approach
Req'd. @ Sta. 6+292.7
"WBL38TH-B" 3.7 m Lt.
CURVE DATA
P.I. Sta. 1+092.333 "WBL38TH-A"
Δ=22°30'00" Rt.
R=436.594 m
T=86.844 m
L=171.450 m
E=8.553 m
P.I. Sta. 0+127.926 "38-NWR" =
O.P.O.T. Sta. 9+418.462 "A", 32.450 m Lt.
Δ=04°08'25" Lt.
P.C. Sta. 1+005.489 "WBL38TH-A"
EQ: P.O.T. Sta. 1+001.756 "WBL38TH-A" (Ahead) =
P.O.T. Sta. 6+290.746 "WBL38TH-B" (Back) =
O.P.O.T. Sta. 9+494.506 "A", 39.657 m Lt.
P.I. Sta. 1+092.333 "WBL38TH-A" =
O.P.O.T. Sta. 9+403.929 "A", 39.648 m Lt.
Δ=22°30'00" Rt.
P.T. Sta. 1+176.939 "WBL38TH-A"
BEGIN PROFILE GRADE
Sta. 1+001.756
"WBL38TH-A"
El. 230.475
PVI STA = 1+060.000
PVI ELEV = 230.475
V.C. = 40.000m
PVI STA = 1+140.000
PVI ELEV = 231.697
V.C. = 50.000m
0.000%
Profile Grade
Existing Ground Along Line "WBL38TH-A"
Curved W-Beam Guardrail Terminal System
365.76m W-Beam Guardrail Req'd. Rt.
Grade Spec. 1.2m Flat Bottom Ditch Req'd. Lt.
1+000
1+100
PROPOSED LEGEND (See Typicals)
(A) QC/QA, 350 mm Plain Cement Concrete Pavement
(J) Shoulder Pavement
(K) Mainline Pavement
(2) 1170 mm Concrete Median Barrier
(2A) Modified Concrete Median Barrier
EXISTING LEGEND
Existing Asphalt
Existing Concrete
Existing Earth
STEPHEN F. WEINTRAUT
REGISTERED
No. 16222
STATE OF INDIANA
PROFESSIONAL ENGINEER
RECOMMENDED FOR APPROVAL
DESIGN ENGINEER
9/28/01
DATE
DESIGNED: BZ
CHECKED: MO
DRAWN: DB
CHECKED: BZ
INDIANA
DEPARTMENT OF TRANSPORTATION
LINE "WBL38TH-A"/WB 38TH ST.
PLAN & PROFILE
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100
BRIDGE FILE
DESIGNATION



1+200
1+300
1+400
1+500
Asphalt
P.T. Sta. 1+176.939 "WBL38TH-A"
STRUCTURE No. 161
20m of 375mm Pipe
w/ 1 P.E.S Req'd.
Inlet
CURVE DATA
P.I. Sta. 1+452.557 "WBL38TH-A"
Δ=42°53'23" Lt.
R=436.594 m
T=171.494 m
L=436.594 m
E=32.474 m
STRUCTURE NO. 9
File No. I65-119-2313C
To Be Included In This Contract
See Separate Plans
GUION ROAD
CITIZENS GAS
Fiber Optic
I-65 SOUTH
LINE "A"
I-65 NORTH
P.O.C. Sta. 8+958.422 "A"
305mm RCP
Remove Inlet
N. 68°01'21" W.
610mm CMP
Remove Inlet
(Full of Water)
P.C. Sta. 1+281.063 "WBL38TH-A"
SEC. 17, T.16N., R.3E.
PIKE TOWNSHIP
MARION COUNTY
Headwall
910mm RCP
End Section
610mm CMP With
305mm HDPE
WESTBOUND 38TH STREET
Concrete
1.2m CLF
Fence
App. Ex. R/W
P.O.C. Sta. 1+450.000 "WBL38TH-A"
Low Elv. Cross Over Sign
CONSTRUCTION
LINE "WBL38TH-A"
SEC. 17, T.16N., R.3E.
PIKE TOWNSHIP
MARION COUNTY
GUARDRAIL LEGEND
1 End Treatment Type "OS"
2 Guardrail Transition Type "TGB"
4 Guardrail Transition Type "GP"
P.I. Sta. 1+452.557 "WBL38TH-A"
O.P.O.C. Sta. 9+019.717 "A", 152.896 m Lt.
Δ=42°53'23" Lt.
S. 69°05'16" W.
END CONSTRUCTION
P.O.C. Sta. 1+393.258 "WBL38TH-A"
For Line "A" Plan & Profiles, See Sheets No. 127-128
68.589m W-Beam Guardrail Req'd. Lt.
365.76m W-Beam Guardrail Req'd. Rt.
PVI STA = 1+320.000
PVI ELEV = 235.70
V.C. = 50.000m
PVI STA = 1+250
PVI ELEV = 234.326
V.C. = 50.000m
3.041%
1.963%
2.390%
Profile Grade
Existing Ground Along Line "WBL38TH-A"
Grade Spec. 1.2m Flat Bottom Ditch Req'd. Lt.
-0.65%
+230, El. 230.124
END CONSTRUCTION
P.O.C. Sta. 1+393.258
"WBL38TH-A"
EL. 237.929
EL. 226.000
242
240
238
236
234
232
230
228
226

PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

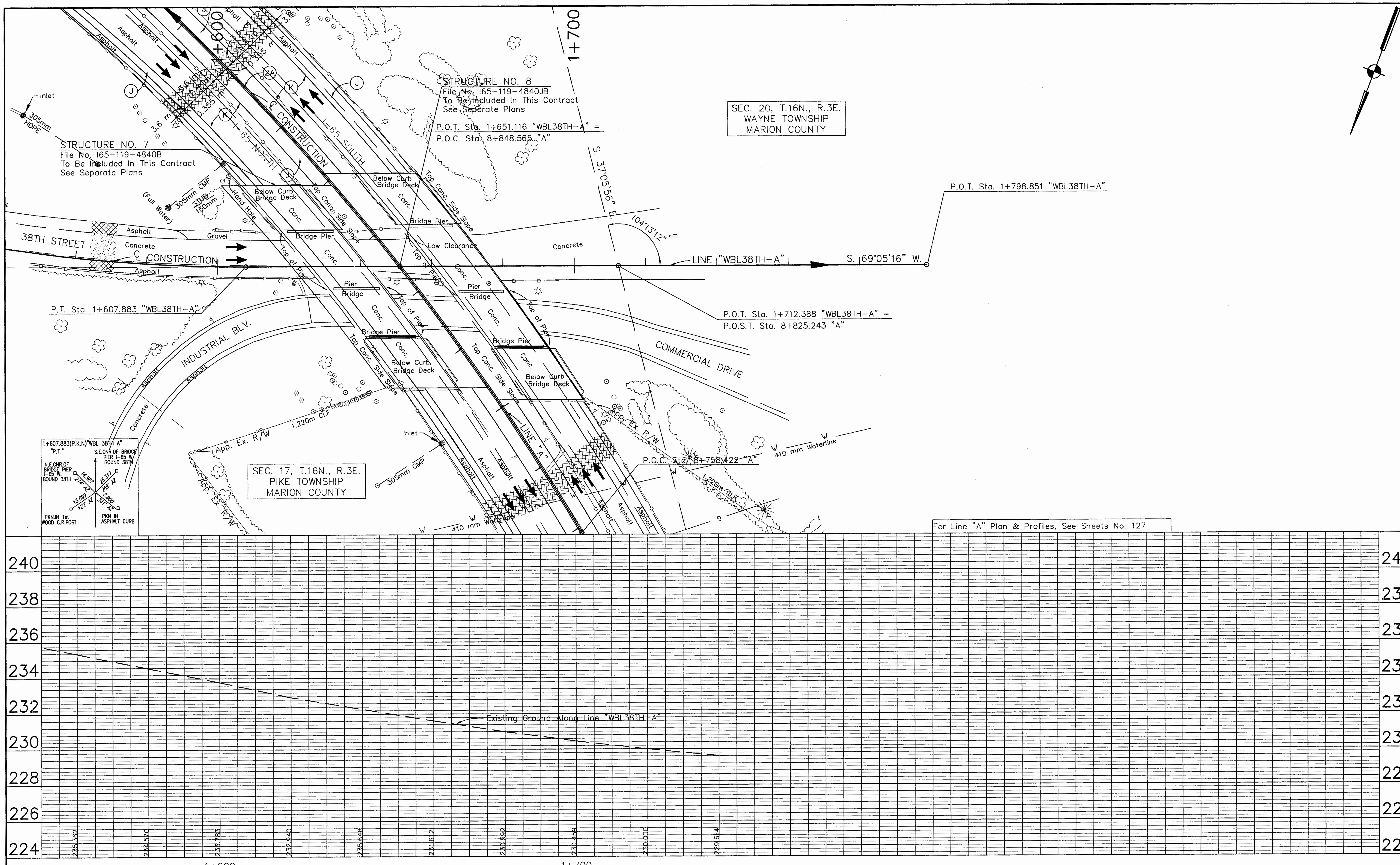
RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

DESIGNED:	BZ	DRAWN:	DB
CHECKED:	MO	CHECKED:	BZ

INDIANA
DEPARTMENT OF TRANSPORTATION

LINE "WBL38TH-A"/WB 38TH ST.
PLAN & PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	140 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

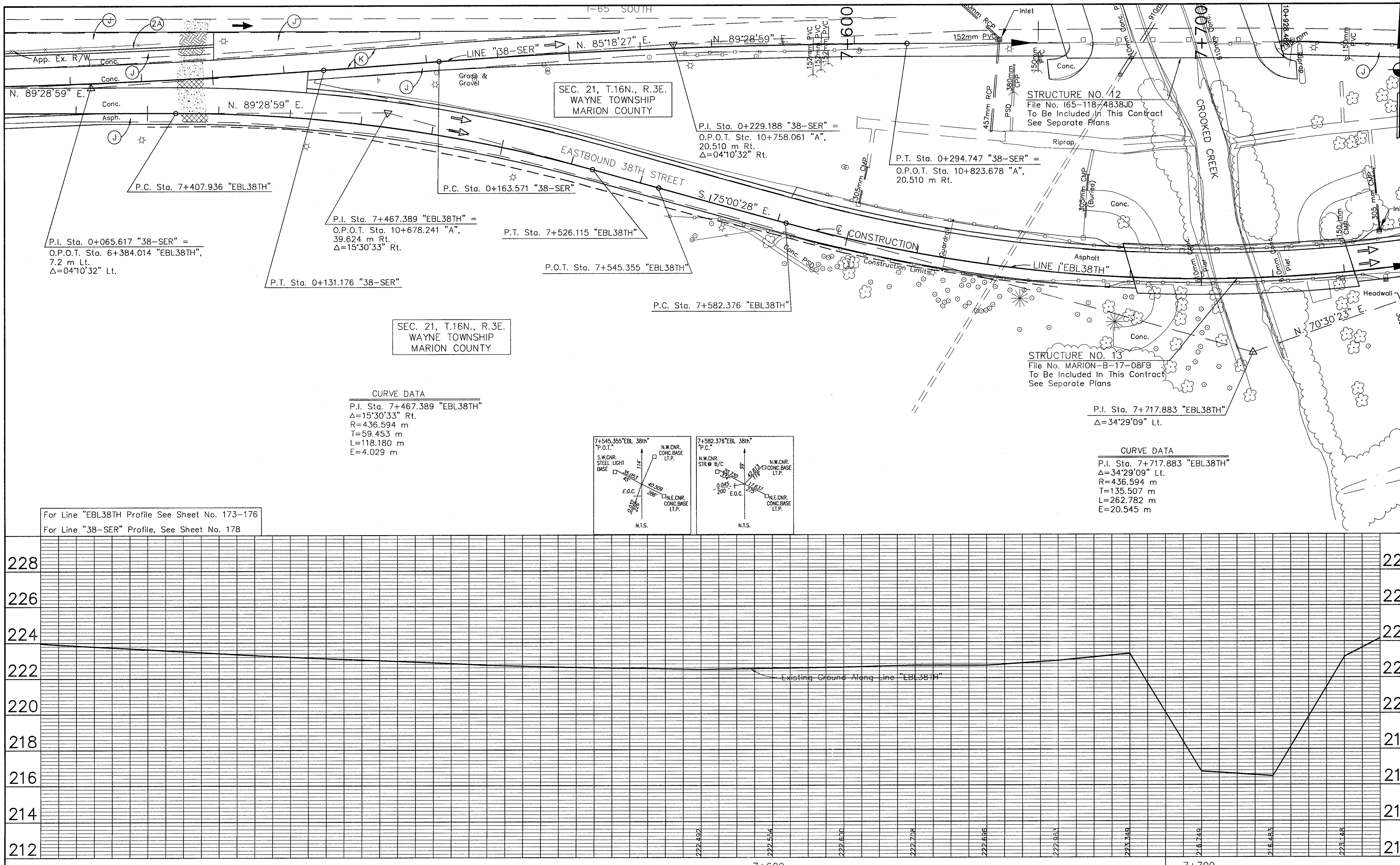
RECOMMENDED FOR APPROVAL [signature] DESIGN ENGINEER 9/28/01 DATE

DESIGNED: BZ DRAWN: DB
CHECKED: MO CHECKED: BZ

INDIANA DEPARTMENT OF TRANSPORTATION

LINE "WBL38TH-A"/WB 38TH ST. PLAN & PROFILE

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 9614680
SURVEY BOOK	SHEETS 141 of 520
CONTRACT R-24327	PROJECT IM-65-3(281)118


I-65 SOUTH
App. Ex. R/W
Conc.
Asph.
N. 89°28'59" E.
N. 85°18'27" E.
LINE "38-SER"
Grass & Gravel
SEC. 21, T.16N., R.3E.
WAYNE TOWNSHIP
MARION COUNTY
P.C. Sta. 7+407.936 "EBL38TH"
P.I. Sta. 0+065.617 "38-SER" =
O.P.O.T. Sta. 6+384.014 "EBL38TH",
7.2 m Lt.
Δ=04°10'32" Lt.
P.T. Sta. 0+131.176 "38-SER"
P.I. Sta. 7+467.389 "EBL38TH" =
O.P.O.T. Sta. 10+678.241 "A",
39.624 m Rt.
Δ=15°30'33" Rt.
P.C. Sta. 0+163.571 "38-SER"
P.T. Sta. 7+526.115 "EBL38TH"
P.O.T. Sta. 7+545.355 "EBL38TH"
P.C. Sta. 7+582.376 "EBL38TH"
EASTBOUND 38TH STREET
S. 75°00'28" E.
℄ CONSTRUCTION
Construction Limits
LINE "EBL38TH"
P.I. Sta. 0+229.188 "38-SER" =
O.P.O.T. Sta. 10+758.061 "A",
20.510 m Rt.
Δ=04°10'32" Rt.
P.T. Sta. 0+294.747 "38-SER" =
O.P.O.T. Sta. 10+823.678 "A",
20.510 m Rt.
7+600
7+700
STRUCTURE NO. 12
File No. I65-118-4838JD
To Be Included In This Contract
See Separate Plans
Riprap
CROOKED CREEK
Asphalt
Conc.
Inlet
Headwall
N. 70°30'23" E.
STRUCTURE NO. 13
File No. MARION-B-17-08FB
To Be Included In This Contract
See Separate Plans
P.I. Sta. 7+717.883 "EBL38TH"
Δ=34°29'09" Lt.
CURVE DATA
P.I. Sta. 7+467.389 "EBL38TH"
Δ=15°30'33" Rt.
R=436.594 m
T=59.453 m
L=118.180 m
E=4.029 m
CURVE DATA
P.I. Sta. 7+717.883 "EBL38TH"
Δ=34°29'09" Lt.
R=436.594 m
T=135.507 m
L=262.782 m
E=20.545 m
For Line "EBL38TH Profile See Sheet No. 173-176
For Line "38-SER" Profile, See Sheet No. 178
228
226
224
222
220
218
216
214
212
Existing Ground Along Line "EBL38TH"
222.492
222.554
222.630
222.708
222.696
222.963
223.349
216.749
216.483
223.148

PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

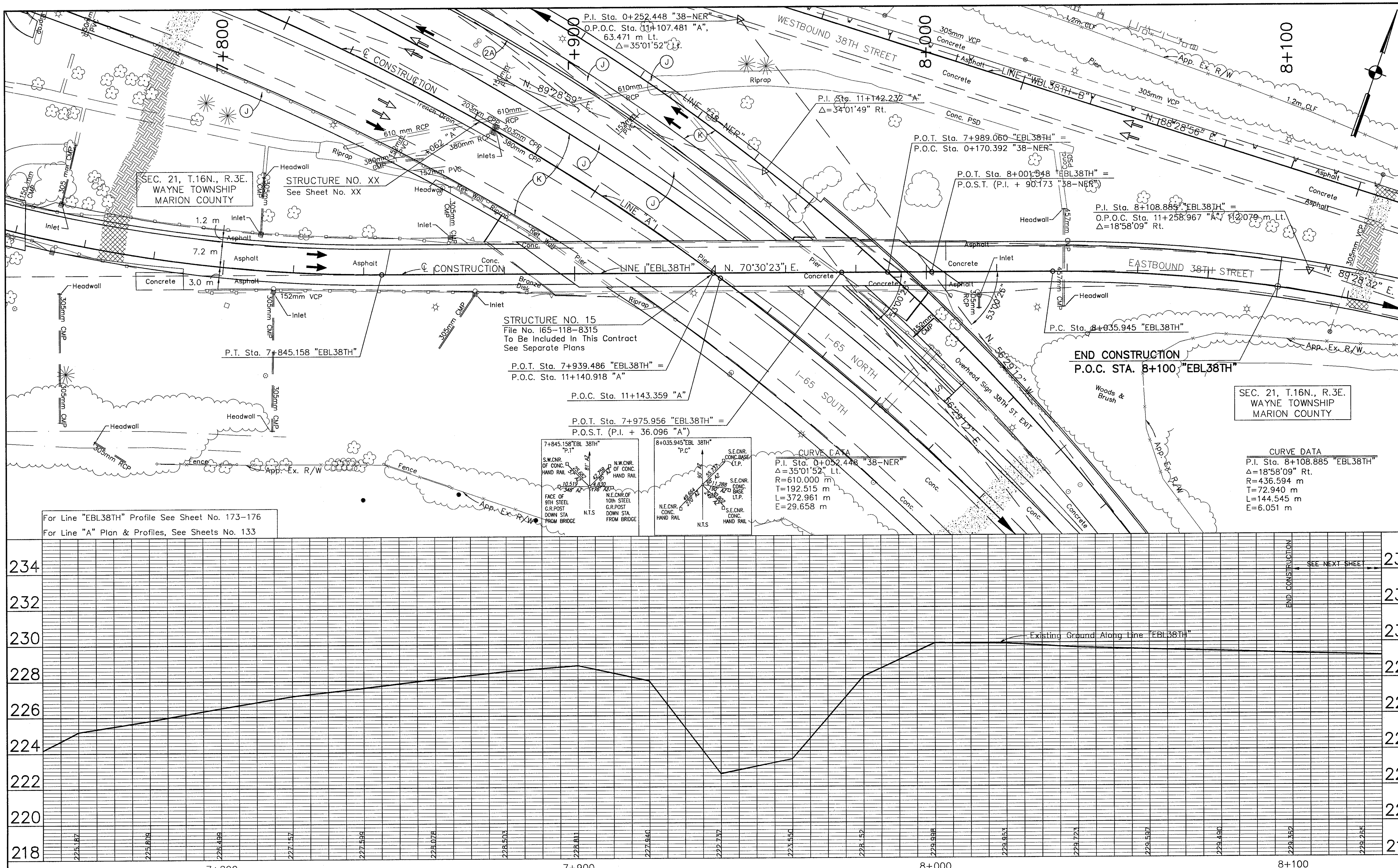
RECOMMENDED FOR APPROVAL Stephen F. Weintraut 9/28/01
DESIGN ENGINEER DATE

DESIGNED: BZ DRAWN: DB
CHECKED: MO CHECKED: BZ

INDIANA DEPARTMENT OF TRANSPORTATION

LINE "EBL38TH"/EB 38TH ST. PLAN & PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	142 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

STEPHEN F. WEINTRAUT — REGISTERED No. 16222 — STATE OF INDIANA — PROFESSIONAL ENGINEER

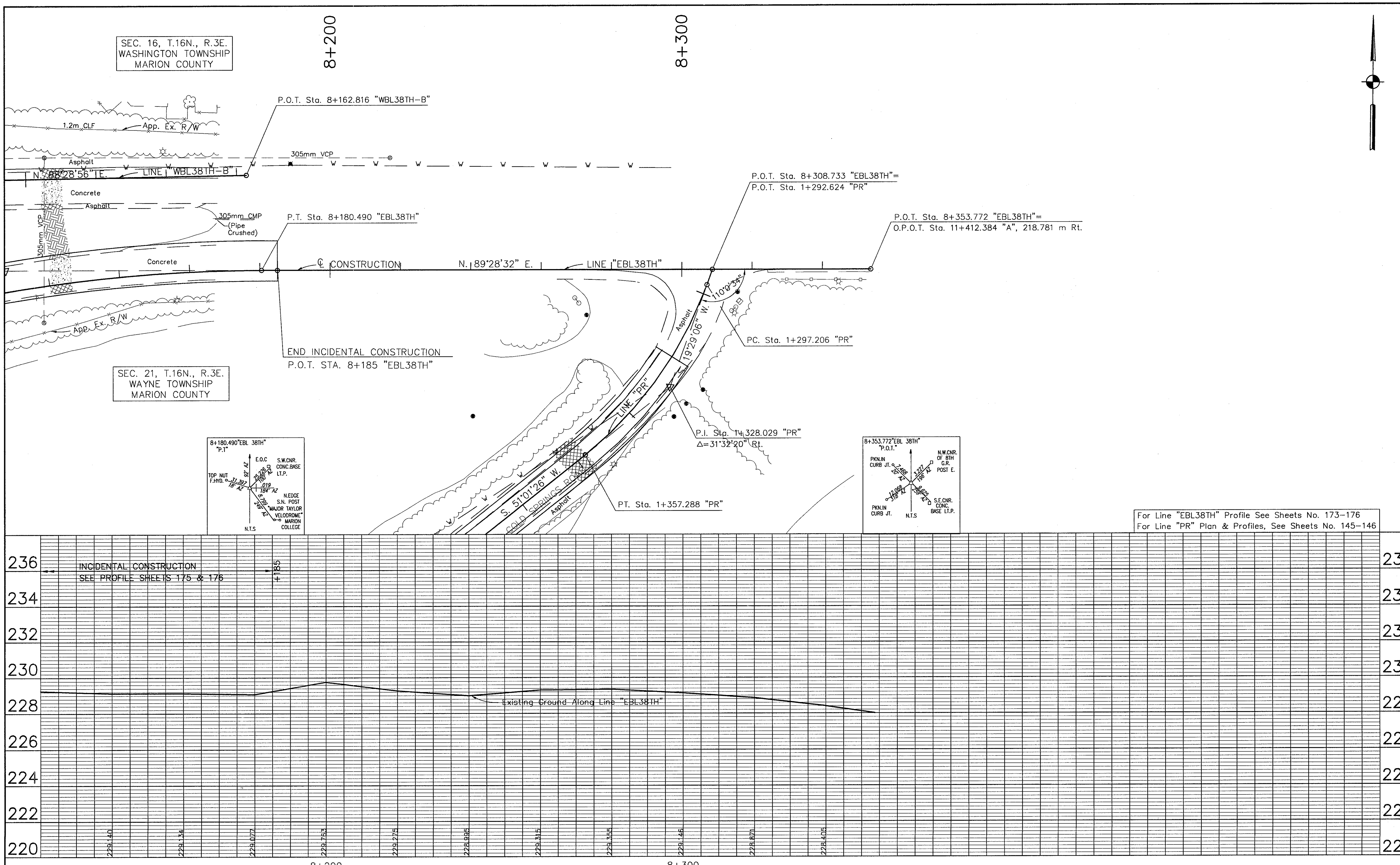
RECOMMENDED FOR APPROVAL: Stephen F. Weintraut — DESIGN ENGINEER — 9/28/01 — DATE

DESIGNED: BZ	DRAWN: DB	CHECKED: MO	CHECKED: BZ

INDIANA
DEPARTMENT OF TRANSPORTATION

LINE "EBL38TH"/EB 38TH ST.
PLAN & PROFILE

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 9614680
SURVEY BOOK	SHEETS 143 of 520
CONTRACT R-24327	PROJECT IM-65-3(281)118



SEC. 16, T.16N., R.3E.
WASHINGTON TOWNSHIP
MARION COUNTY
8+200
8+300
P.O.T. Sta. 8+162.816 "WBL38TH-B"
1.2m CLF
App. Ex. R/W
305mm VCP
Asphalt
N. 88°28'56" E.
LINE "WBL38TH-B"
Concrete
Asphalt
305mm CMP (Pipe Crushed)
305mm VCP
P.T. Sta. 8+180.490 "EBL38TH"
Concrete
℄ CONSTRUCTION
N. 89°28'32" E.
LINE "EBL38TH"
P.O.T. Sta. 8+308.733 "EBL38TH"=
P.O.T. Sta. 1+292.624 "PR"
P.O.T. Sta. 8+353.772 "EBL38TH"=
O.P.O.T. Sta. 11+412.384 "A", 218.781 m Rt.
10°0'34"
Asphalt
19°29'06" W.
PC. Sta. 1+297.206 "PR"
App. Ex. R/W
END INCIDENTAL CONSTRUCTION
P.O.T. STA. 8+185 "EBL38TH"
SEC. 21, T.16N., R.3E.
WAYNE TOWNSHIP
MARION COUNTY
LINE "PR"
P.I. Sta. 1+328.029 "PR"
Δ=31°32'20" Rt.
S. 51°01'26" W.
COLD SPRINGS RD.
Asphalt
PT. Sta. 1+357.288 "PR"
8+180.490"EBL 38TH" "P.T"
N.T.S
8+353.772"EBL 38TH" "P.O.T."
N.T.S
For Line "EBL38TH" Profile See Sheets No. 173-176
For Line "PR" Plan & Profiles, See Sheets No. 145-146
236
234
232
230
228
226
224
222
220
INCIDENTAL CONSTRUCTION
SEE PROFILE SHEETS 175 & 176
+185
Existing Ground Along Line "EBL38TH"
229.140
229.134
229.077
229.763
229.275
228.935
229.315
229.355
229.146
228.871
228.405
8+200
8+300

PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

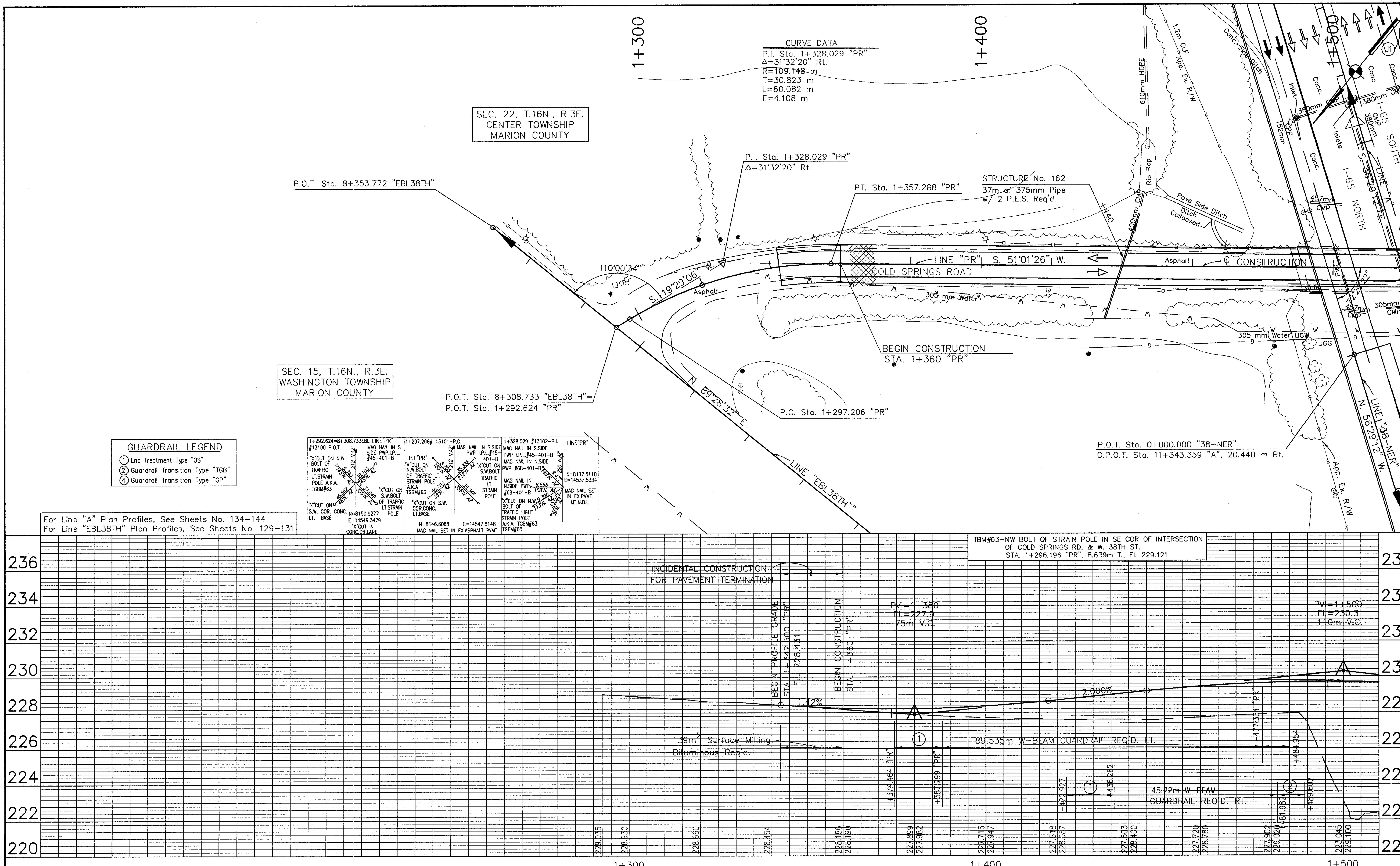
RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

DESIGNED: BZ DRAWN: DB
CHECKED: MO CHECKED: BZ

INDIANA
DEPARTMENT OF TRANSPORTATION

LINE "EBL38TH"/EB 38TH ST.
PLAN & PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	144 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118


1+300
1+400
1+500
CURVE DATA
P.I. Sta. 1+328.029 "PR"
Δ=31°32'20" Rt.
R=109.148 m
T=30.823 m
L=60.082 m
E=4.108 m
SEC. 22, T.16N., R.3E.
CENTER TOWNSHIP
MARION COUNTY
SEC. 15, T.16N., R.3E.
WASHINGTON TOWNSHIP
MARION COUNTY
P.O.T. Sta. 8+353.772 "EBL38TH"
P.I. Sta. 1+328.029 "PR"
Δ=31°32'20" Rt.
PT. Sta. 1+357.288 "PR"
STRUCTURE No. 162
37m of 375mm Pipe
w/ 2 P.E.S. Req'd.
LINE "PR" S. 51°01'26" W.
COLD SPRINGS ROAD
Asphalt
℄ CONSTRUCTION
305 mm Water
BEGIN CONSTRUCTION
STA. 1+360 "PR"
P.O.T. Sta. 8+308.733 "EBL38TH"=
P.O.T. Sta. 1+292.624 "PR"
P.C. Sta. 1+297.206 "PR"
N. 89°28'32" E.
LINE "EBL38TH"
S. 19°29'06" W.
110°00'34"
P.O.T. Sta. 0+000.000 "38-NER"
O.P.O.T. Sta. 11+343.359 "A", 20.440 m Rt.
LINE "38-NER" N. 56°29'12" W.
I-65 SOUTH
I-65 NORTH
Pave Side Ditch
Ditch Collapsed
Conc. Side Ditch
1.2m CLF
App. Ex. R/W
610mm HDPE
Rip Rap
GUARDRAIL LEGEND
(1) End Treatment Type "OS"
(2) Guardrail Transition Type "TGB"
(4) Guardrail Transition Type "GP"
For Line "A" Plan Profiles, See Sheets No. 134–144
For Line "EBL38TH" Plan Profiles, See Sheets No. 129–131
TBM#63–NW BOLT OF STRAIN POLE IN SE COR OF INTERSECTION OF COLD SPRINGS RD. & W. 38TH ST.
STA. 1+296.196 "PR", 8.639mLT., El. 229.121
INCIDENTAL CONSTRUCTION FOR PAVEMENT TERMINATION
BEGIN PROFILE GRADE STA. 1+342.502 "PR" EL. 228.431
BEGIN CONSTRUCTION STA. 1+360 "PR"
PVI=1+380
El.=227.9
75m V.C.
PVI=1+500
El.=230.3
110m V.C.
1.42%
2.000%
139m² Surface Milling, Bituminous Req'd.
89.535m W-BEAM GUARDRAIL REQ'D. LT.
45.72m W-BEAM GUARDRAIL REQ'D. RT.
236
234
232
230
228
226
224
222
220

PROPOSED LEGEND (See Typicals)	
(A) QC/QA, 350 mm Plain Cement Concrete Pavement	(2A) Modified Concrete Median Barrier
(J) Shoulder Pavement	
(K) Mainline Pavement	
(2) 1170 mm Concrete Median Barrier	

EXISTING LEGEND
- Existing Asphalt
- Existing Concrete
- Existing Earth

STEPHEN F. WEINTRAUT — REGISTERED No. 16222 — STATE OF INDIANA — PROFESSIONAL ENGINEER

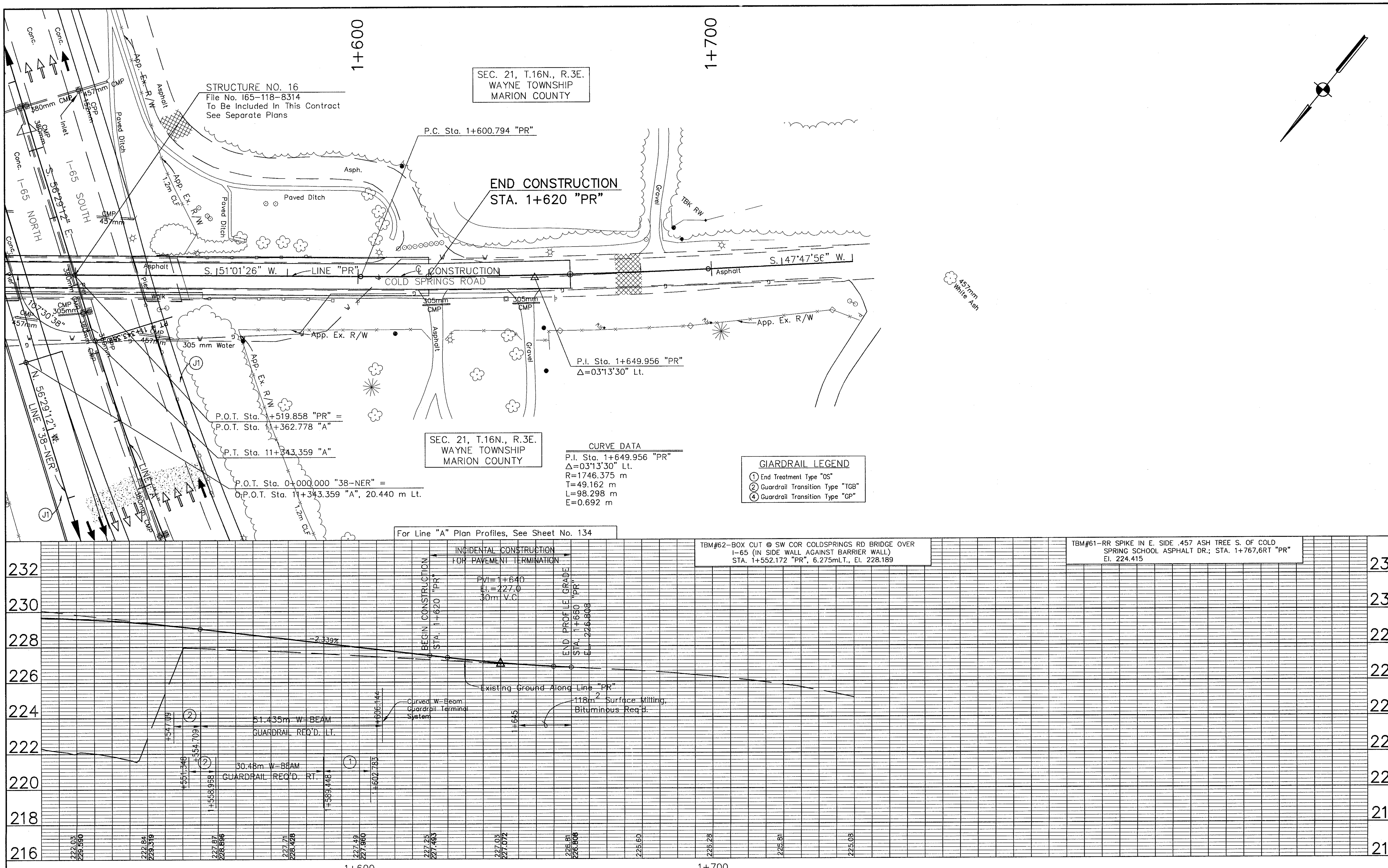
RECOMMENDED FOR APPROVAL: Stephen F. Weintraut, DESIGN ENGINEER — DATE 9/28/01

DESIGNED: BZ — DRAWN: DB
CHECKED: MO — CHECKED: BZ

INDIANA DEPARTMENT OF TRANSPORTATION

LINE "PR"/COLDSPRINGS RD. PLAN & PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	145 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118


1+600
1+700
SEC. 21, T.16N., R.3E.
WAYNE TOWNSHIP
MARION COUNTY
STRUCTURE NO. 16
File No. 165-118-8314
To Be Included In This Contract
See Separate Plans
P.C. Sta. 1+600.794 "PR"
END CONSTRUCTION
STA. 1+620 "PR"
I-65 NORTH
I-65 SOUTH
S. 56°29'12" E.
Paved Ditch
Asph.
Gravel
TBK RW
S. 51°01'26" W.
LINE "PR"
CONSTRUCTION
COLD SPRINGS ROAD
S. 47°47'56" W.
Asphalt
305mm CMP
App. Ex. R/W
305 mm Water
P.I. Sta. 1+649.956 "PR"
Δ=03°13'30" Lt.
457mm White Ash
N. 56°29'12" W.
LINE "38-NER"
P.O.T. Sta. 1+519.858 "PR" =
P.O.T. Sta. 11+362.778 "A"
P.T. Sta. 11+343.359 "A"
P.O.T. Sta. 0+000.000 "38-NER" =
P.O.T. Sta. 11+343.359 "A", 20.440 m Lt.
SEC. 21, T.16N., R.3E.
WAYNE TOWNSHIP
MARION COUNTY
CURVE DATA
P.I. Sta. 1+649.956 "PR"
Δ=03°13'30" Lt.
R=1746.375 m
T=49.162 m
L=98.298 m
E=0.692 m
GIARDRAIL LEGEND
(1) End Treatment Type "OS"
(2) Guardrail Transition Type "TGB"
(4) Guardrail Transition Type "GP"
For Line "A" Plan Profiles, See Sheet No. 134
INCIDENTAL CONSTRUCTION
FOR PAVEMENT TERMINATION
PVI=1+640
El.=227.0
30m V.C.
BEGIN CONSTRUCTION
STA. 1+620 "PR"
END PROFILE GRADE
STA. 1+660 "PR"
El. 226.808
-2.339%
TBM#62-BOX CUT @ SW COR COLDSPRINGS RD BRIDGE OVER
I-65 (IN SIDE WALL AGAINST BARRIER WALL)
STA. 1+552.172 "PR", 6.275mLT., El. 228.189
TBM#61-RR SPIKE IN E. SIDE .457 ASH TREE S. OF COLD
SPRING SCHOOL ASPHALT DR.; STA. 1+767,6RT "PR"
El. 224.415
Existing Ground Along Line "PR"
118m² Surface Milling,
Bituminous Req'd.
Curved W-Beam Guardrail Terminal System
51.435m W-BEAM
GUARDRAIL REQ'D. LT.
30.48m W-BEAM
GUARDRAIL REQ'D. RT.
232
230
228
226
224
222
220
218
216

PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

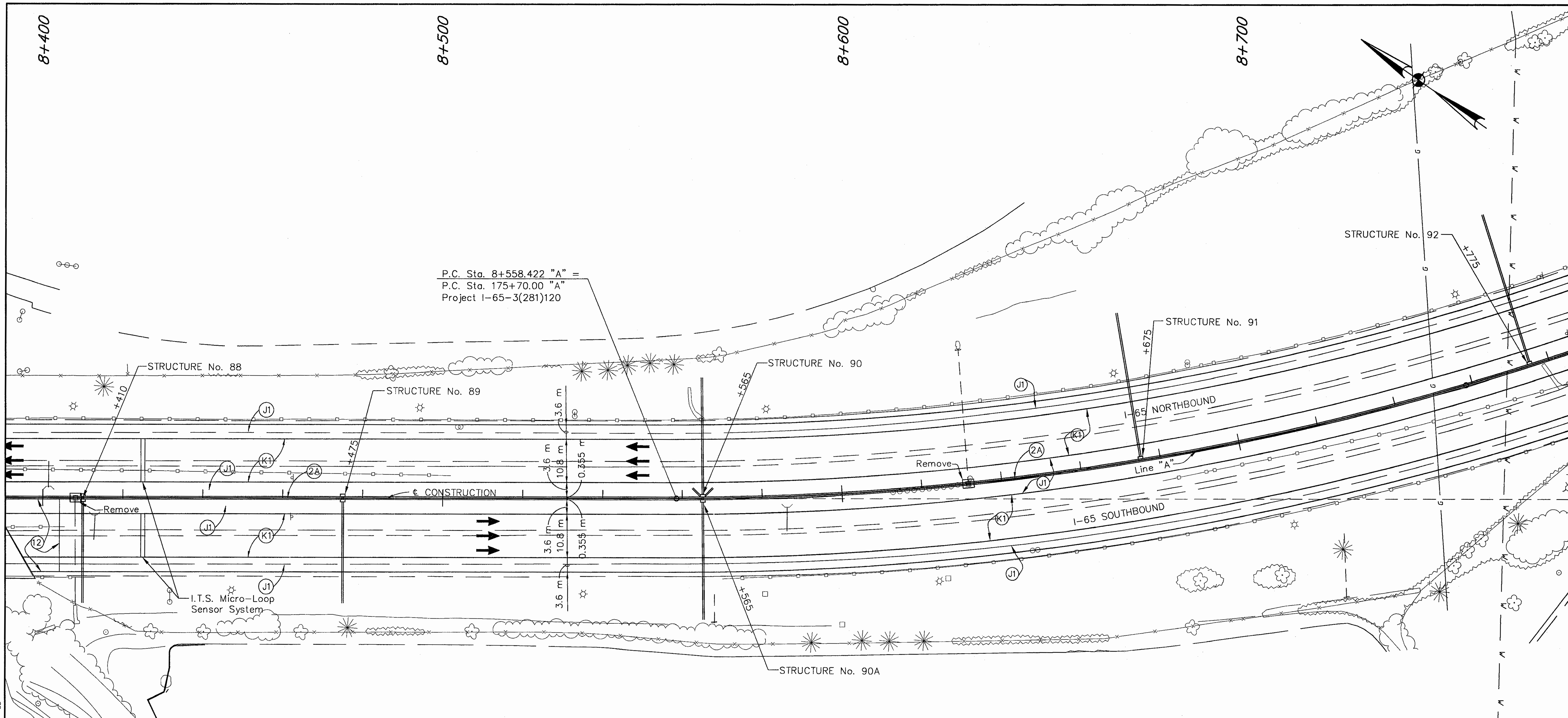
RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

DESIGNED: BZ DRAWN: DB
CHECKED: MO CHECKED: BZ

INDIANA DEPARTMENT OF TRANSPORTATION

LINE "PR"/COLDSPRINGS RD.
PLAN & PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	146 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



LEGEND

- Ⓐ QC/QA, PLAIN CEMENT CONCRETE PAVEMENT (See Typical Sections)
- (J1) Ⓙ QC/QA, HMA FOR SHOULDER (See Typical Sections)
- (K1) Ⓚ QC/QA, HMA FOR PAVEMENT (See Typical Sections)
- ② 1170mm CONCRETE MEDIAN BARRIER
- (2A) MODIFIED CONCRETE MEDIAN BARRIER
- (2B) CONCRETE BARRIER WALL
- ③ LONGITUDINAL CONSTRUCTION JOINT
- (4A) CONCRETE BARRIER TRANSITION TO PIER
- ⑥ LONGITUDINAL JOINT
- (8A) SPECIAL CONCRETE BARRIER TRANSITION
- ⑪ BITUMINOUS TERMINAL JOINT
- ⑫ R.C. BRIDGE APPROACH SLAB
- ⑬ MODIFIED CONCRETE BARRIER TRANSITION, TGB
- ⑮ SPECIAL CONCRETE BARRIER CONNECTION
- ⑯ SPECIAL CONCRETE BARRIER TRANSITION TO PIER
- ㉒ RETROFITTED TIE BAR JOINT
- CONCRETE PAVEMENT REMOVAL
- RETROFIT TYPE D-1 CONTRACTION JOINT

STRUCTURE No. 88
Sta. 8+410 "A"
Inlet Type H-5 & 25m of
375mm Pipe w/ 1 P.E.S.

STRUCTURE No. 89
Sta. 8+475 "A"
Inlet Type H-5 & 25m of
375mm Pipe w/ 1 P.E.S.

STRUCTURE No. 90
Sta. 8+565 "A"
Inlet Type X-5 & 29m of
375mm Pipe w/ 1 P.E.S.

STRUCTURE No. 90A
Sta. 8+565 "A"
Inlet Type X-5 & 25m of
375mm Pipe w/ 1 P.E.S.

STRUCTURE No. 91
Sta. 8+675 "A"
Inlet Type X-5 & 36m of
375mm Pipe w/ 1 P.E.S.

STRUCTURE No. 92
Sta. 8+775 "A"
Inlet Type X-5 & 38m of
375mm Pipe w/ 1 P.E.S.

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL	[signature] DESIGN ENGINEER	9/28/01 DATE
DESIGNED: B.Z.	DRAWN: D.B.	
CHECKED: M.O.	CHECKED: B.Z.	

INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

HORIZONTAL SCALE	FILE
1:500	3804
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEET
	147 OF 520
CONTRACT	PROJECT
R-24327	IM-65-3 (281)118

BFS NO. 3804.07

R:\3804\asbuilts\DET1.DWG 09-24-01 AT 13:15 1 CS

LEGEND

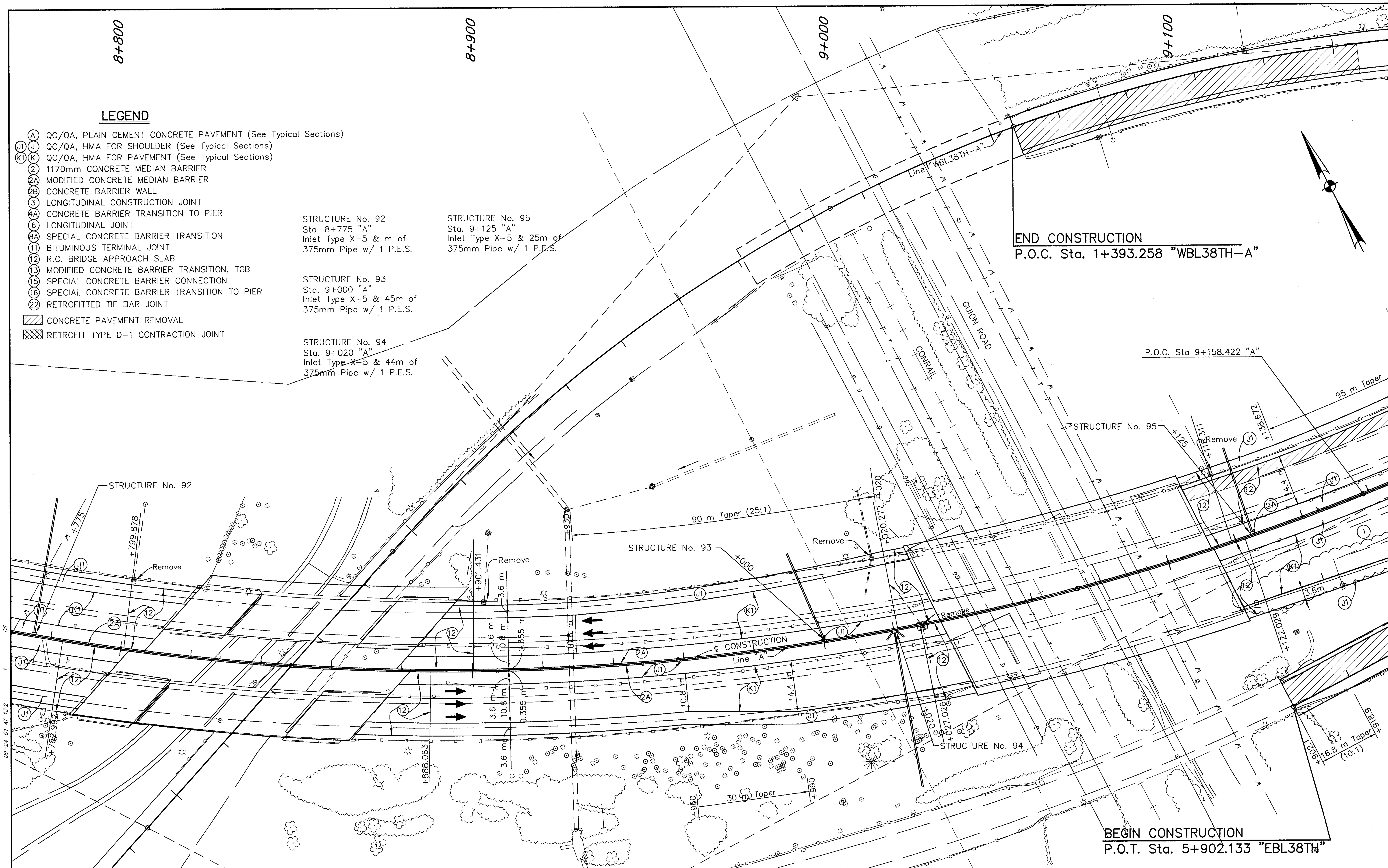
- (A) QC/QA, PLAIN CEMENT CONCRETE PAVEMENT (See Typical Sections)
- (J1)(J) QC/QA, HMA FOR SHOULDER (See Typical Sections)
- (K1)(K) QC/QA, HMA FOR PAVEMENT (See Typical Sections)
- (2) 1170mm CONCRETE MEDIAN BARRIER
- (2A) MODIFIED CONCRETE MEDIAN BARRIER
- (2B) CONCRETE BARRIER WALL
- (3) LONGITUDINAL CONSTRUCTION JOINT
- (4A) CONCRETE BARRIER TRANSITION TO PIER
- (6) LONGITUDINAL JOINT
- (8A) SPECIAL CONCRETE BARRIER TRANSITION
- (11) BITUMINOUS TERMINAL JOINT
- (12) R.C. BRIDGE APPROACH SLAB
- (13) MODIFIED CONCRETE BARRIER TRANSITION, TGB
- (15) SPECIAL CONCRETE BARRIER CONNECTION
- (16) SPECIAL CONCRETE BARRIER TRANSITION TO PIER
- (22) RETROFITTED TIE BAR JOINT
- CONCRETE PAVEMENT REMOVAL
- RETROFIT TYPE D-1 CONTRACTION JOINT

STRUCTURE No. 92
Sta. 8+775 "A"
Inlet Type X-5 & m of
375mm Pipe w/ 1 P.E.S.

STRUCTURE No. 93
Sta. 9+000 "A"
Inlet Type X-5 & 45m of
375mm Pipe w/ 1 P.E.S.

STRUCTURE No. 94
Sta. 9+020 "A"
Inlet Type X-5 & 44m of
375mm Pipe w/ 1 P.E.S.

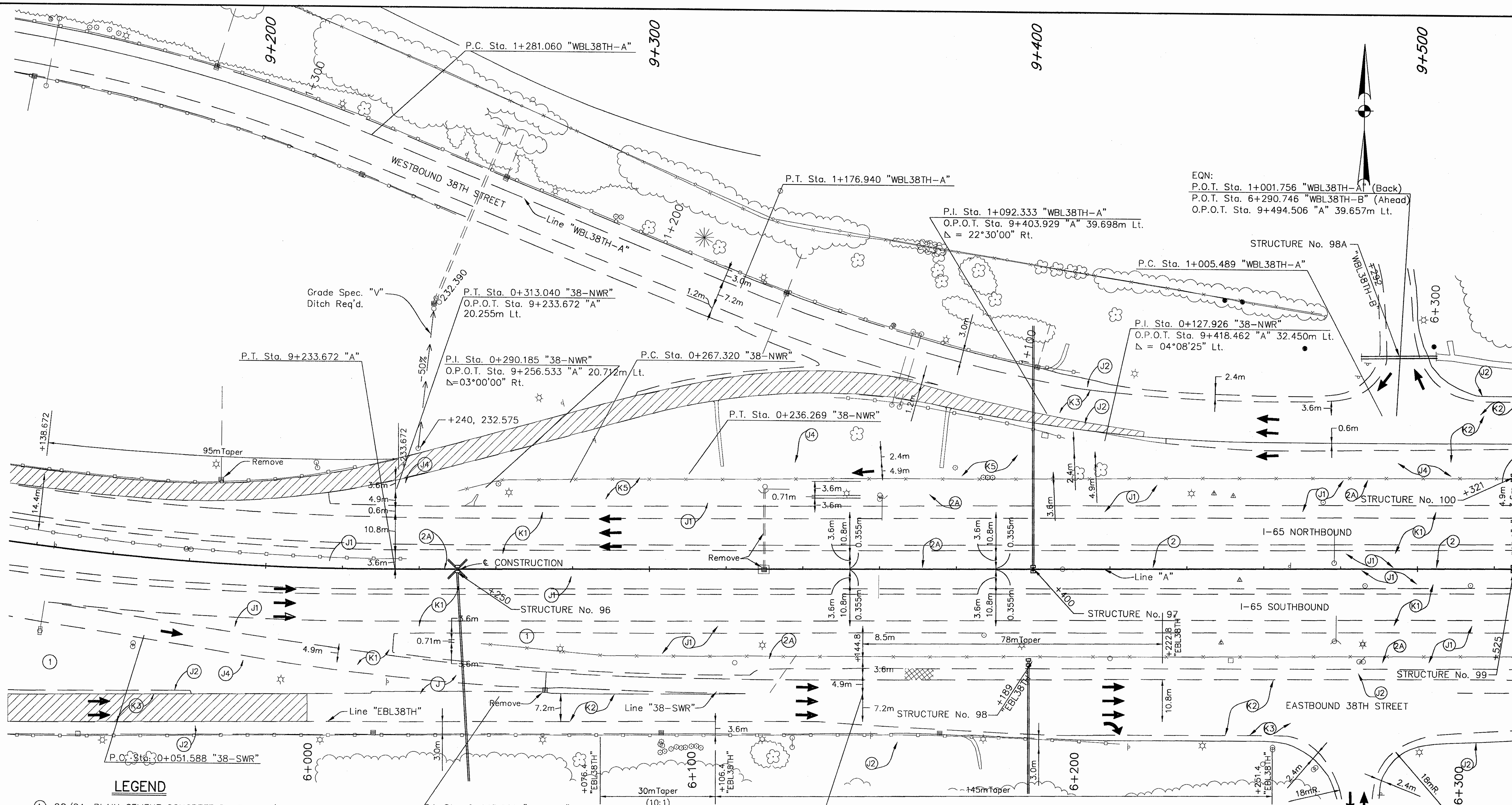
STRUCTURE No. 95
Sta. 9+125 "A"
Inlet Type X-5 & 25m of
375mm Pipe w/ 1 P.E.S.



RECOMMENDED FOR APPROVAL (signature) DESIGN ENGINEER 9/28/01 DATE		INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1:500 / FILE 3804 / VERTICAL SCALE 1:100 / DESIGNATION 9614680
DESIGNED: B.Z.	DRAWN: D.B.	CONSTRUCTION DETAILS	SURVEY BOOK / SHEET 148 OF 520
CHECKED: M.O.	CHECKED: B.Z.		CONTRACT R-24327 / PROJECT IM-65-3 (281)118

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

BFS NO. 3804.07



LEGEND

- Ⓐ QC/QA, PLAIN CEMENT CONCRETE PAVEMENT (See Typical Sections)
- (J4)(J2)(J1)(J) QC/QA, HMA FOR SHOULDER (See Typical Sections)
- (K5)(K3)(K2)(K1)(K) QC/QA, HMA FOR PAVEMENT (See Typical Sections)
- (2) 1170mm CONCRETE MEDIAN BARRIER
- (2A) MODIFIED CONCRETE MEDIAN BARRIER
- (2B) CONCRETE BARRIER WALL
- (3) LONGITUDINAL CONSTRUCTION JOINT
- (4A) CONCRETE BARRIER TRANSITION TO PIER
- (6) LONGITUDINAL JOINT
- (8A) SPECIAL CONCRETE BARRIER TRANSITION
- (11) BITUMINOUS TERMINAL JOINT
- (12) R.C. BRIDGE APPROACH SLAB
- (13) MODIFIED CONCRETE BARRIER TRANSITION, TGB
- (15) SPECIAL CONCRETE BARRIER CONNECTION
- (16) SPECIAL CONCRETE BARRIER TRANSITION TO PIER
- (22) RETROFITTED TIE BAR JOINT
- CONCRETE PAVEMENT REMOVAL
- RETROFIT TYPE D-1 CONTRACTION JOINT

STRUCTURE No. 96
Sta. 9+250 "A"
Inlet Type H-5 & 54m of 375mm Pipe w/ 1 P.E.S.

STRUCTURE No. 98
Sta. 6+189 "EBL38TH"
Inlet Type H-5 & 33m of 375mm Pipe w/ 1 P.E.S.

STRUCTURE No. 99
Sta. 9+525 "A"
Inlet Type H-5 & 22m of 375mm Pipe

STRUCTURE No. 97
Sta. 9+400 "A"
Inlet Type H-5 & 62m of 375mm Pipe w/ 1 P.E.S.

STRUCTURE No. 98A
Sta. 6+292 "WBL38TH-B"
20m of 600mm Pipe w/ 2 P.E.S.

STRUCTURE No. 100
Sta. 6+321 "WBL38TH-B"
Inlet Type H-5 & 30m of 375mm Pipe w/ 1 P.E.S.

BF&S Butler Fairman Seufert CONSULTING ENGINEERS
8450 WESTFIELD BLVD., SUITE 300 INDIANAPOLIS, IN. 46240 317 713-4615 FAX 317 713-4616
509 WEST 84TH DRIVE, SUITE G MERRILLVILLE, IN. 46410 219 769-2333 FAX 219 769-2377
STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

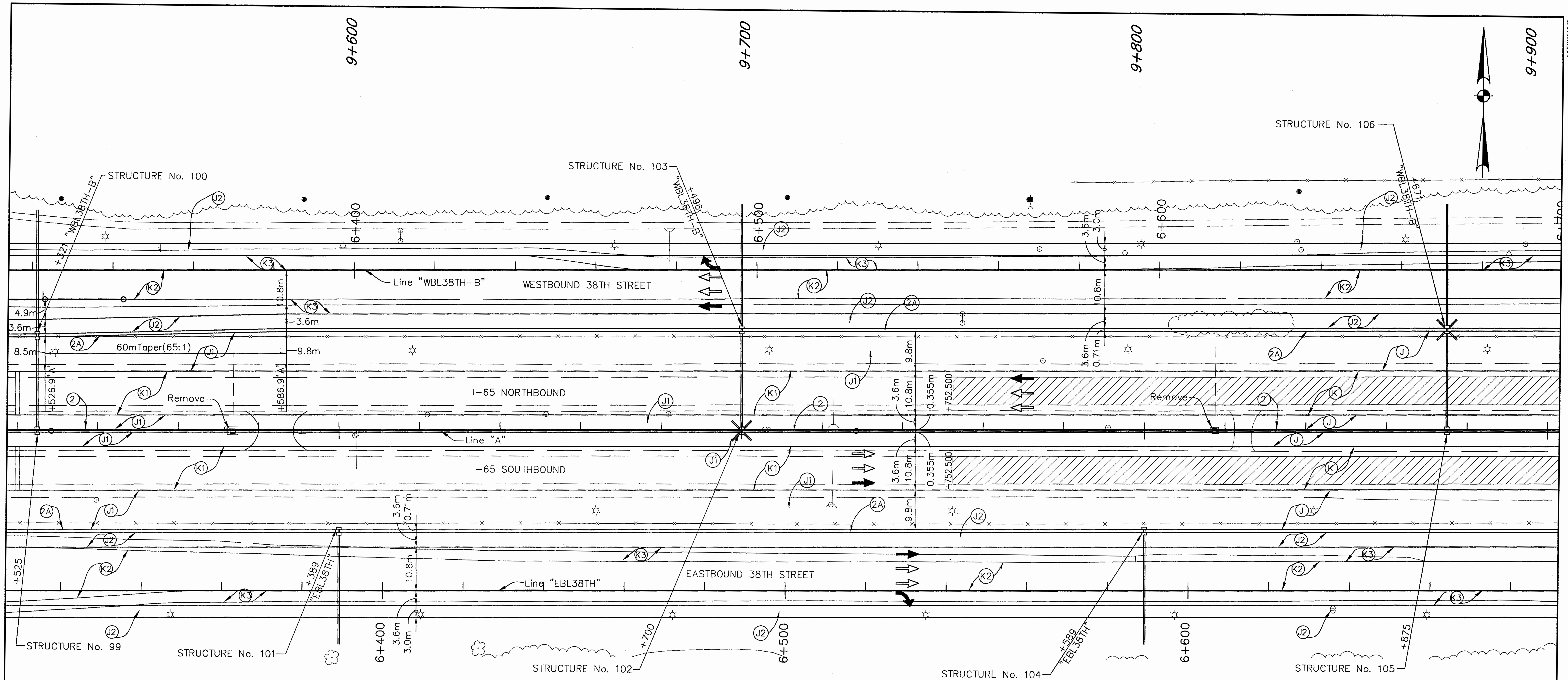
RECOMMENDED FOR APPROVAL: [signature] DESIGN ENGINEER	9/28/01 DATE		
DESIGNED: B.Z.	DRAWN: D.B.		
CHECKED: M.O.	CHECKED: B.Z.		

INDIANA DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

HORIZONTAL SCALE 1:500	FILE 3804
VERTICAL SCALE 1:100	DESIGNATION 9614680
SURVEY BOOK	SHEET 149 OF 520
CONTRACT R-24327	PROJECT IM-65-3 (281)118

BFS NO. 3804.07



LEGEND

- (A) QC/QA, PLAIN CEMENT CONCRETE PAVEMENT (See Typical Sections)
- (J1)(J2)(J) QC/QA, HMA FOR SHOULDER (See Typical Sections)
- (K1)(K2)(K3)(K) QC/QA, HMA FOR PAVEMENT (See Typical Sections)
- (2) 1170mm CONCRETE MEDIAN BARRIER
- (2A) MODIFIED CONCRETE MEDIAN BARRIER
- (2B) CONCRETE BARRIER WALL
- (3) LONGITUDINAL CONSTRUCTION JOINT
- (4A) CONCRETE BARRIER TRANSITION TO PIER
- (6) LONGITUDINAL JOINT
- (8A) SPECIAL CONCRETE BARRIER TRANSITION
- (11) BITUMINOUS TERMINAL JOINT
- (12) R.C. BRIDGE APPROACH SLAB
- (13) MODIFIED CONCRETE BARRIER TRANSITION, TGB
- (15) SPECIAL CONCRETE BARRIER CONNECTION
- (16) SPECIAL CONCRETE BARRIER TRANSITION TO PIER
- (22) RETROFITTED TIE BAR JOINT
- CONCRETE PAVEMENT REMOVAL
- RETROFIT TYPE D-1 CONTRACTION JOINT

STRUCTURE No. 99
Sta. 9+525 "A"
Inlet Type H-5 & 22m of 375mm Pipe

STRUCTURE No. 100
Sta. 6+321 "WBL38TH-B"
Inlet Type H-5 & 30m of 375mm Pipe w/ 1 P.E.S.

STRUCTURE No. 101
Sta. 6+389 "EBL38TH"
Inlet Type H-5 & 27m of 375mm Pipe w/ 1 P.E.S.

STRUCTURE No. 102
Sta. 9+700 "A"
Inlet Type H-5 & 23m of 375mm Pipe

STRUCTURE No. 103
Sta. 6+496 "WBL38TH-B"
Inlet Type H-5 & 30m of 375mm Pipe w/ 1 P.E.S.

STRUCTURE No. 104
Sta. 6+589 "EBL38TH"
Inlet Type X-5 & 27m of 375mm Pipe w/ 1 P.E.S.

STRUCTURE No. 105
Sta. 9+875 "A"
Inlet Type X-5 & 23m of 375mm Pipe

STRUCTURE No. 106
Sta. 6+671 "WBL38TH-B"
Inlet Type X-5 & 30m of 375mm Pipe w/ 1 P.E.S.

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

DESIGNED: B.Z. DRAWN: D.B.
CHECKED: M.O. CHECKED: B.Z.

INDIANA DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

HORIZONTAL SCALE 1:500	FILE 3804
VERTICAL SCALE 1:100	DESIGNATION 9614680
SURVEY BOOK	SHEET 150 OF 520
CONTRACT R-24327	PROJECT IM-65-3 (281)118

RFS No. 3804.07

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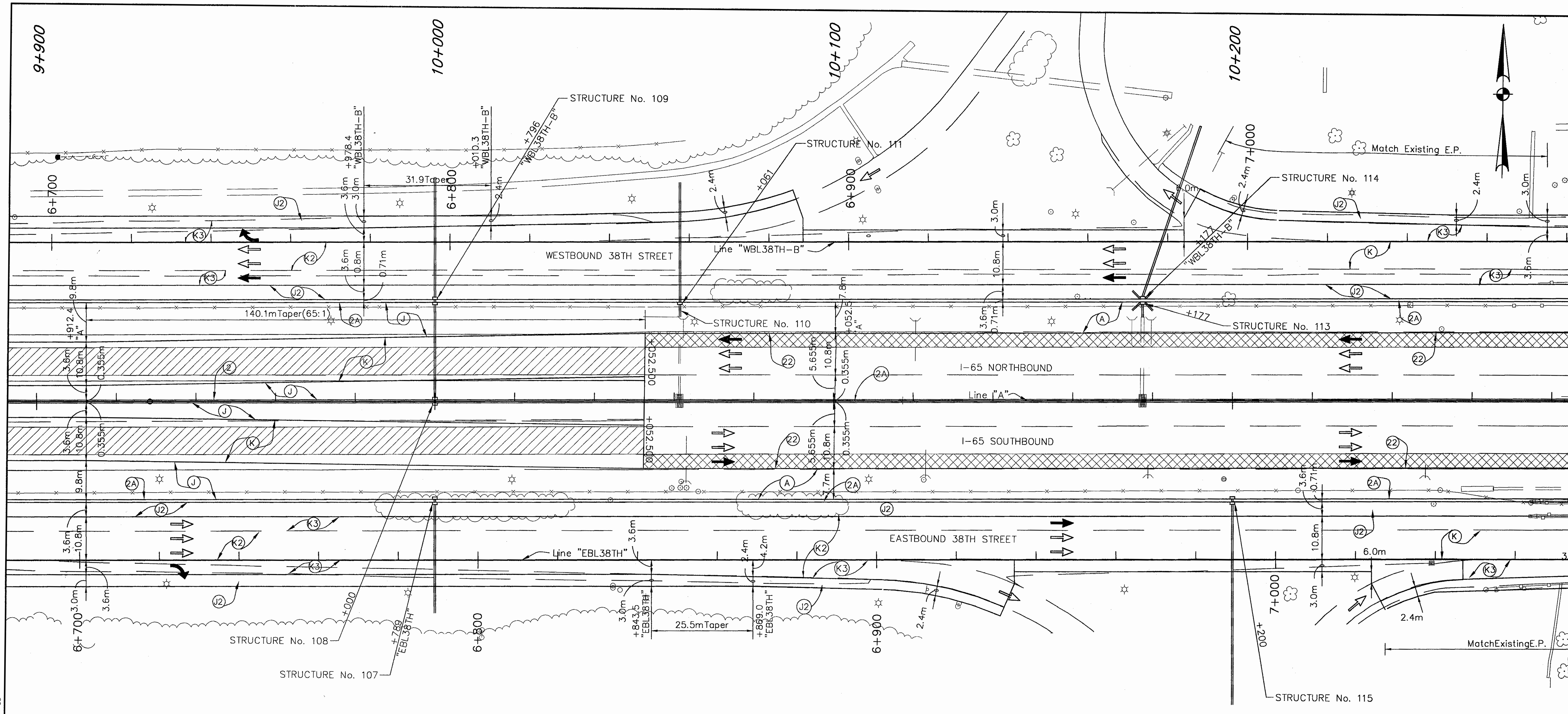

LEGEND

- (A) QC/QA, PLAIN CEMENT CONCRETE PAVEMENT (See Typical Sections)
- (J2)(J) QC/QA, HMA FOR SHOULDER (See Typical Sections)
- (K2)(K3)(K) QC/QA, HMA FOR PAVEMENT (See Typical Sections)
- (2) 1170mm CONCRETE MEDIAN BARRIER
- (2A) MODIFIED CONCRETE MEDIAN BARRIER
- (2B) CONCRETE BARRIER WALL
- (3) LONGITUDINAL CONSTRUCTION JOINT
- (4A) CONCRETE BARRIER TRANSITION TO PIER
- (6) LONGITUDINAL JOINT
- (8A) SPECIAL CONCRETE BARRIER TRANSITION
- (11) BITUMINOUS TERMINAL JOINT
- (12) R.C. BRIDGE APPROACH SLAB
- (13) MODIFIED CONCRETE BARRIER TRANSITION, TGB
- (15) SPECIAL CONCRETE BARRIER CONNECTION
- (16) SPECIAL CONCRETE BARRIER TRANSITION TO PIER
- (22) RETROFITTED TIE BAR JOINT
- CONCRETE PAVEMENT REMOVAL
- RETROFIT TYPE D-1 CONTRACTION JOINT

STRUCTURE No. 107
Sta. 6+789 "EBL38TH"
Inlet Type H-5 & 30m of
375mm Pipe w/ 1 P.E.S.

STRUCTURE No. 108
Sta. 10+000 "A"
Inlet Type H-5 & 23m of
375mm Pipe

STRUCTURE No. 109
Sta. 6+796 "WBL38TH-B"
Inlet Type H-5 & 30m of
375mm Pipe W/ 1 P.E.S.

STRUCTURE No. 110
Sta. 10+061 "A"
3m of 375mm Pipe

STRUCTURE No. 111
Sta. 10+061 "A"
Inlet Type X-5 & 30m of
375mm Pipe W/ 1 P.E.S.

STRUCTURE No. 112
Not Used

STRUCTURE No. 113
Sta. 10+177 "A"
3m of 375mm Pipe

STRUCTURE No. 114
Sta. 10+177 "A"
Inlet Type H-5 & m of
375mm Pipe W/ 1 P.E.S.

STRUCTURE No. 115
Sta. 10+200 "A"
Inlet Type H-5 & 35m of
375mm Pipe W/ 1 P.E.S.

METRIC

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER	RECOMMENDED FOR APPROVAL Stephen F. Weintraut 9/28/01 (DESIGN ENGINEER, DATE)	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1:500
	DESIGNED: B.Z. DRAWN: D.B.	CONSTRUCTION DETAILS	VERTICAL SCALE 1:100
	CHECKED: M.O. CHECKED: B.Z.		SURVEY BOOK
			CONTRACT R-24327

FILE	3804
DESIGNATION	9614680
SHEET	151 OF 520
PROJECT	IM-65-3 (281)118

BFS NO. 3804.07

P:\3804\asbuilts\DETS.dwg 09-24-01 AT 13:28 1 CS

METRIC

10+300 10+400 10+500 10+600

7+100 7+200 7+300 7+400

216m Taper (60:1)

30m Taper

78m Taper (60:1)

Taper 30:1

30:1 Taper

±2m

7.62 Bridge Pier Protection Req'd

Bridge Pier Protection Req'd

ing E.P.

Line "WBL38TH-B"

Line "A"

Line "EBL38TH"

Line "38THSER"

WESTBOUND 38TH STREET

EASTBOUND 38TH STREET

I-65 NORTHBOUND

I-65 SOUTHBOUND

KESSLER ROAD

Remove

STRUCTURE No. 117

STRUCTURE No. 118

STRUCTURE No. 119

STRUCTURE No. 120

STRUCTURE No. 121

STRUCTURE No. 123

STRUCTURE No. 123A

+158, "WBL38TH-B"

+200, "WBL38TH-B"

+230, "WBL38TH-B"

+374, "WBL38TH-B"

+404, "WBL38TH-B"

+375 "A"

+400 "A"

+200 "EBL38TH"

+240.4 "EBL38TH"

+260 "EBL38TH"

+297 "EBL38TH"

+318.4 "EBL38TH"

+549 "A"

+550

+615.1 "A"

+625 "A"

+660 "A"

P.C. Sta. 0+000.000 "38-SER" =
O.P.O.T. Sta. 7+318.397 "EBL38TH"
7.2m Lt.

P.I. Sta. 0+065.617 "38-SER" =
O.P.O.T. Sta. 6+384.014 "EBL38TH" 7.2m Lt.
Δ = 04°10'32" Lt.

P.C. Sta. 7+407.936 "EBL38TH"

P.T. Sta. 0+131.176 "38-SER"

LEGEND

- (A) QC/QA, PLAIN CEMENT CONCRETE PAVEMENT (See Typical Sections)
- (J2) (J) QC/QA, HMA FOR SHOULDER (See Typical Sections)
- (K2) (K3) (K) QC/QA, HMA FOR PAVEMENT (See Typical Sections)
- (2) 1170mm CONCRETE MEDIAN BARRIER
- (2A) MODIFIED CONCRETE MEDIAN BARRIER
- (2B) CONCRETE BARRIER WALL
- (3) LONGITUDINAL CONSTRUCTION JOINT
- (4A) CONCRETE BARRIER TRANSITION TO PIER
- (6) LONGITUDINAL JOINT
- (6A) SPECIAL CONCRETE BARRIER TRANSITION
- (11) BITUMINOUS TERMINAL JOINT
- (12) R.C. BRIDGE APPROACH SLAB
- (13) MODIFIED CONCRETE BARRIER TRANSITION, TGB
- (15) SPECIAL CONCRETE BARRIER CONNECTION
- (16) SPECIAL CONCRETE BARRIER TRANSITION TO PIER
- (22) RETROFITTED TIE BAR JOINT
- CONCRETE PAVEMENT REMOVAL
- RETROFIT TYPE D-1 CONTRACTION JOINT

STRUCTURE No. 116
NOT USED

STRUCTURE No. 119
Sta. 7+200 "EBL38TH"
Inlet Type X-5 & 27m of 375mm Pipe w/ 1 P.E.S.

STRUCTURE No. 122
NOT USED

STRUCTURE No. 117
Sta. 10+375 "A"
Inlet Type H-5 & 48m of 375mm Pipe w/ 1 P.E.S.

STRUCTURE No. 120
Sta. 10+549 "A"
Inlet Type H-5 & 50m of 375mm Pipe w/ 1 P.E.S.

STRUCTURE No. 123
Sta. 10+625 "A"
Inlet Type H-5 & 115m of 375mm Pipe w/ 1 P.E.S.

STRUCTURE No. 118
Sta. 10+400 "A"
Inlet Type X-5 & 150m of 375mm Pipe w/ 1 P.E.S.

STRUCTURE No. 121
Sta. 10+550 "A"
Inlet Type X-5 & 125m of 375mm Pipe w/ 1 P.E.S.

STRUCTURE No. 123A
Sta. 10+660 "A"
Inlet Type R-13 & 61m of 375mm Pipe Req'd.

STEPHEN F. WEINHAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Stephen F. Weinhaut 9/28/01
DESIGN ENGINEER DATE

DESIGNED: B.Z. DRAWN: D.B.
CHECKED: M.O. CHECKED: B.Z.

INDIANA DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

HORIZONTAL SCALE	FILE
1:500	3804
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEET
	152 OF 520
CONTRACT	PROJECT
R-24327	IM-65-3 (281)118

3804.07 BRS NO.

09-24-01 AT 13:32 1 CS

P:\38041\roadway\DETS.dwg

METRIC

P.T. Sta. 7+589.52 "WBL38TH-B"
216m Taper (60:1)
P.I. Sta. 7+574.28 "WBL38TH-B"
P.C. Sta. 7+559.04 "WBL38TH-B"
10+700
7+500
+530
10+800
7+600
+620 "WBL38TH-B"
10+900
7+700
STRUCTURE No. 127A
+420 "38-NER"
11+000
7+800
Line "WBL38TH-B"
WESTBOUND 38TH STREET
14.4m
P.T. Sta. 0+432.89 "38THNER"
I-65 NORTHBOUND
+703
+780
STRUCTURE No. 125
+825
STRUCTURE No. 124
Line "A"
Remove
Cap Inlet
I-65 SOUTHBOUND
Remove
Line "38THSER"
P.C. Sta. 0+163.57 "38THSER"
P.I. Sta. 0+229.19 "38THSER"
STRUCTURE No. 126
+854
P.T. Sta. 0+294.747 "38-SER" =
O.P.O.T. Sta. 10+823.678 "A"
20.510m Rt.
STRUCTURE No. 127
P.C. Sta. 10+928.462 "A"
P.C. Sta. 7+725.512 "A"
Project IM-65-3(255)116
STRUCTURE No. 125A
+946
STRUCTURE No. 127B
CROOKED CREEK
Remove
Remove
Remove
Line "EBL38TH"
EASTBOUND 38TH STREET
7+500
P.I. Sta. 7+467.389 "EBL38TH"
O.P.O.T. Sta. 10+678.2341 "A" 39.3624m Rt.
Δ = 15°30'33" Rt.
P.T. Sta. 7+526.115 "EBL38TH"
P.O.T. Sta. 7+545.355 "EBL38TH"
P.C. Sta. 7+582.376 "EBL38TH"
7+600
7+704
7+800
P.I. Sta. 7+717.88 "EBL38TH"

LEGEND

- (A) QC/QA, PLAIN CEMENT CONCRETE PAVEMENT (See Typical Sections)
- (J2) (J) QC/QA, HMA FOR SHOULDER (See Typical Sections)
- (K2) (K) QC/QA, HMA FOR PAVEMENT (See Typical Sections)
- (2) 1170mm CONCRETE MEDIAN BARRIER
- (2A) MODIFIED CONCRETE MEDIAN BARRIER
- (2B) CONCRETE BARRIER WALL
- (3) LONGITUDINAL CONSTRUCTION JOINT
- (4A) CONCRETE BARRIER TRANSITION TO PIER
- (6) LONGITUDINAL JOINT
- (8A) SPECIAL CONCRETE BARRIER TRANSITION
- (11) BITUMINOUS TERMINAL JOINT
- (12) R.C. BRIDGE APPROACH SLAB
- (13) MODIFIED CONCRETE BARRIER TRANSITION, TGB
- (15) SPECIAL CONCRETE BARRIER CONNECTION
- (16) SPECIAL CONCRETE BARRIER TRANSITION TO PIER
- (22) RETROFITTED TIE BAR JOINT
- CONCRETE PAVEMENT REMOVAL
- RETROFIT TYPE D-1 CONTRACTION JOINT

STRUCTURE No. 124
Sta. 10+703 "A"
Inlet Type X-5 & 38m of 375mm Pipe w/ 1 P.E.S.

STRUCTURE No. 125
Sta. 10+825 "A"
Inlet Type H-5 & 38m of 375mm Pipe w/ 1 P.E.S.

STRUCTURE No. 126
5m of 375mm Pipe w/ 1 P.E.S.

STRUCTURE No. 125A
Sta. 10+829.924 "A"
Inlet Type H-5 & 5m of 375mm Pipe

STRUCTURE No. 127
Sta. 10+854 "A"
Inlet Type X-5 & 21m of 375mm Pipe

STRUCTURE No. 127A
Sta. 0+420 "38-NER"
Inlet Type H-5 & 32.5m of 375mm Pipe w/ 1 P.E.S.

STRUCTURE No. 127B
Sta. 10+946 "A"
11.5m of 375mm Pipe

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Stephen F. Weintraut 9/28/01
DESIGN ENGINEER DATE

DESIGNED: B.Z. DRAWN: D.B.
CHECKED: M.O. CHECKED: B.Z.

INDIANA DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

HORIZONTAL SCALE 1:500	FILE 3804
VERTICAL SCALE 1:100	DESIGNATION 9614680
SURVEY BOOK	SHEET 153 OF 520
CONTRACT R-24327	PROJECT IM-65-3 (281)118

DES NO. 3804.07

09-24-01 AT 13:36
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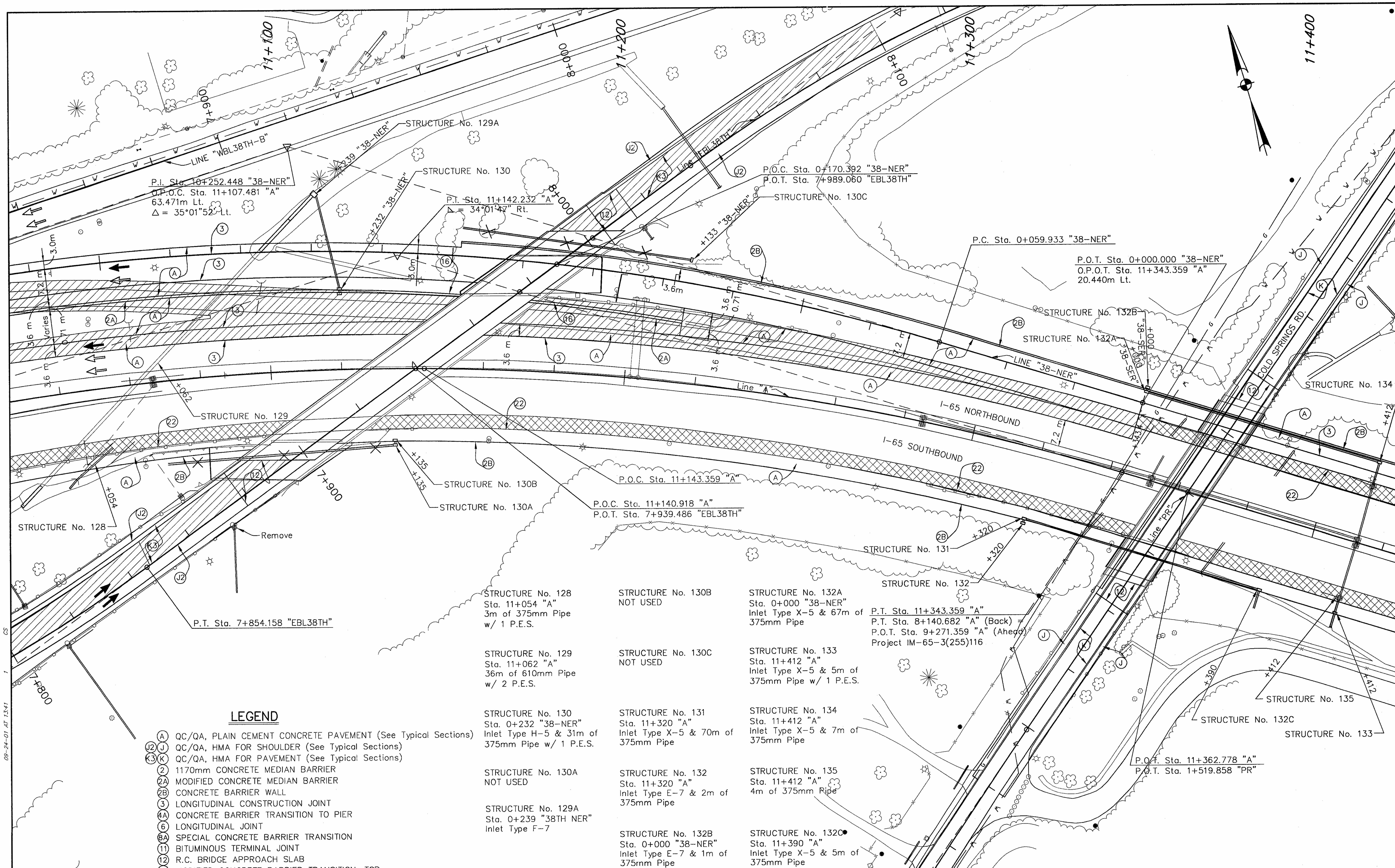
CS 1



LEGEND

- (A) QC/QA, PLAIN CEMENT CONCRETE PAVEMENT (See Typical Sections)
- (J2)(J) QC/QA, HMA FOR SHOULDER (See Typical Sections)
- (K3)(K) QC/QA, HMA FOR PAVEMENT (See Typical Sections)
- (2) 1170mm CONCRETE MEDIAN BARRIER
- (2A) MODIFIED CONCRETE MEDIAN BARRIER
- (2B) CONCRETE BARRIER WALL
- (3) LONGITUDINAL CONSTRUCTION JOINT
- (4A) CONCRETE BARRIER TRANSITION TO PIER
- (6) LONGITUDINAL JOINT
- (8A) SPECIAL CONCRETE BARRIER TRANSITION
- (11) BITUMINOUS TERMINAL JOINT
- (12) R.C. BRIDGE APPROACH SLAB
- (13) MODIFIED CONCRETE BARRIER TRANSITION, TGB
- (15) SPECIAL CONCRETE BARRIER CONNECTION
- (16) SPECIAL CONCRETE BARRIER TRANSITION TO PIER
- (22) RETROFITTED TIE BAR JOINT
- CONCRETE PAVEMENT REMOVAL
- RETROFIT TYPE D-1 CONTRACTION JOINT

STRUCTURE No. 128
Sta. 11+054 "A"
3m of 375mm Pipe
w/ 1 P.E.S.

STRUCTURE No. 129
Sta. 11+062 "A"
36m of 610mm Pipe
w/ 2 P.E.S.

STRUCTURE No. 130
Sta. 0+232 "38-NER"
Inlet Type H-5 & 31m of
375mm Pipe w/ 1 P.E.S.

STRUCTURE No. 130A
NOT USED

STRUCTURE No. 129A
Sta. 0+239 "38TH NER"
Inlet Type F-7

STRUCTURE No. 130B
NOT USED

STRUCTURE No. 130C
NOT USED

STRUCTURE No. 131
Sta. 11+320 "A"
Inlet Type X-5 & 70m of
375mm Pipe

STRUCTURE No. 132
Sta. 11+320 "A"
Inlet Type E-7 & 2m of
375mm Pipe

STRUCTURE No. 132B
Sta. 0+000 "38-NER"
Inlet Type E-7 & 1m of
375mm Pipe

STRUCTURE No. 132A
Sta. 0+000 "38-NER"
Inlet Type X-5 & 67m of
375mm Pipe

STRUCTURE No. 133
Sta. 11+412 "A"
Inlet Type X-5 & 5m of
375mm Pipe w/ 1 P.E.S.

STRUCTURE No. 134
Sta. 11+412 "A"
Inlet Type X-5 & 7m of
375mm Pipe

STRUCTURE No. 135
Sta. 11+412 "A"
4m of 375mm Pipe

STRUCTURE No. 132C
Sta. 11+390 "A"
Inlet Type X-5 & 5m of
375mm Pipe

RECOMMENDED FOR APPROVAL ____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1:500	FILE 3804
DESIGNED: B.Z. DRAWN: D.B.		VERTICAL SCALE 1:100	DESIGNATION 9614680
CHECKED: M.O. CHECKED: B.Z.	CONSTRUCTION DETAILS	SURVEY BOOK	SHEET 154 OF 520
		CONTRACT R-24327	PROJECT IM-65-3 (281)118

3804.07

09-24-01 AT 13:41

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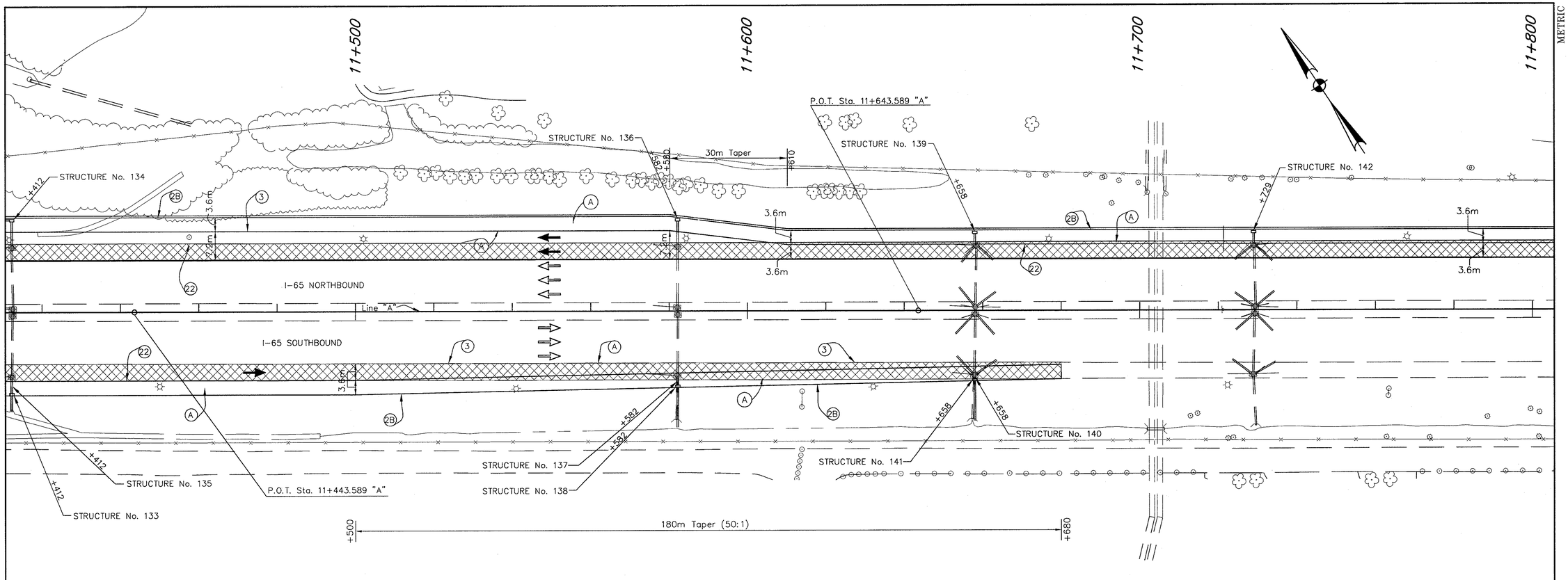

LEGEND

- (A) QC/QA, PLAIN CEMENT CONCRETE PAVEMENT (See Typical Sections)
- (J) QC/QA, HMA FOR SHOULDER (See Typical Sections)
- (K) QC/QA, HMA FOR PAVEMENT (See Typical Sections)
- (2) 1170mm CONCRETE MEDIAN BARRIER
- (2A) MODIFIED CONCRETE MEDIAN BARRIER
- (2B) CONCRETE BARRIER WALL
- (3) LONGITUDINAL CONSTRUCTION JOINT
- (4A) CONCRETE BARRIER TRANSITION TO PIER
- (6) LONGITUDINAL JOINT
- (8A) SPECIAL CONCRETE BARRIER TRANSITION
- (11) BITUMINOUS TERMINAL JOINT
- (12) R.C. BRIDGE APPROACH SLAB
- (13) MODIFIED CONCRETE BARRIER TRANSITION, TGB
- (15) SPECIAL CONCRETE BARRIER CONNECTION
- (16) SPECIAL CONCRETE BARRIER TRANSITION TO PIER
- (22) RETROFITTED TIE BAR JOINT
- CONCRETE PAVEMENT REMOVAL
- RETROFIT TYPE D-1 CONTRACTION JOINT

STRUCTURE No. 133
Sta. 11+412 "A"
Inlet Type X-5 & 10m of 375mm Pipe w/ 1 P.E.S.

STRUCTURE No. 134
Sta. 11+412 "A"
Inlet Type X-5 & 7m of 375mm Pipe

STRUCTURE No. 135
Sta. 11+412 "A"
4m of 375mm Pipe

STRUCTURE No. 136
Sta. 11+582 "A"
Inlet Type X-5 & 7m of 375mm Pipe

STRUCTURE No. 137
Sta. 11+582 "A"
2m of 375mm Pipe

STRUCTURE No. 138
Sta. 11+582 "A"
Inlet Type X-5 & 10m of 375mm Pipe w/ 1 P.E.S.

STRUCTURE No. 139
Sta. 11+658 "A"
Inlet Type X-5 & 3m of 375mm Pipe

STRUCTURE No. 140
Sta. 11+658 "A"
1m of 375mm Pipe

STRUCTURE No. 141
Sta. 11+658 "A"
Inlet Type X-5 & 10m of 375mm Pipe w/ 1 P.E.S.

STRUCTURE No. 142
Sta. 11+729 "A"
Inlet Type X-5 & 3m of 375mm Pipe

STEPHEN F. WEINHART REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Stephen F. Weinhart 9/28/01
DESIGN ENGINEER DATE

DESIGNED: B.Z. DRAWN: D.B.
CHECKED: M.O. CHECKED: B.Z.

INDIANA DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

HORIZONTAL SCALE	FILE
1:500	3804
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEET
	155 OF 520
CONTRACT	PROJECT
R-24327	IM-65-3 (281)118

ERS NO. 3804.07

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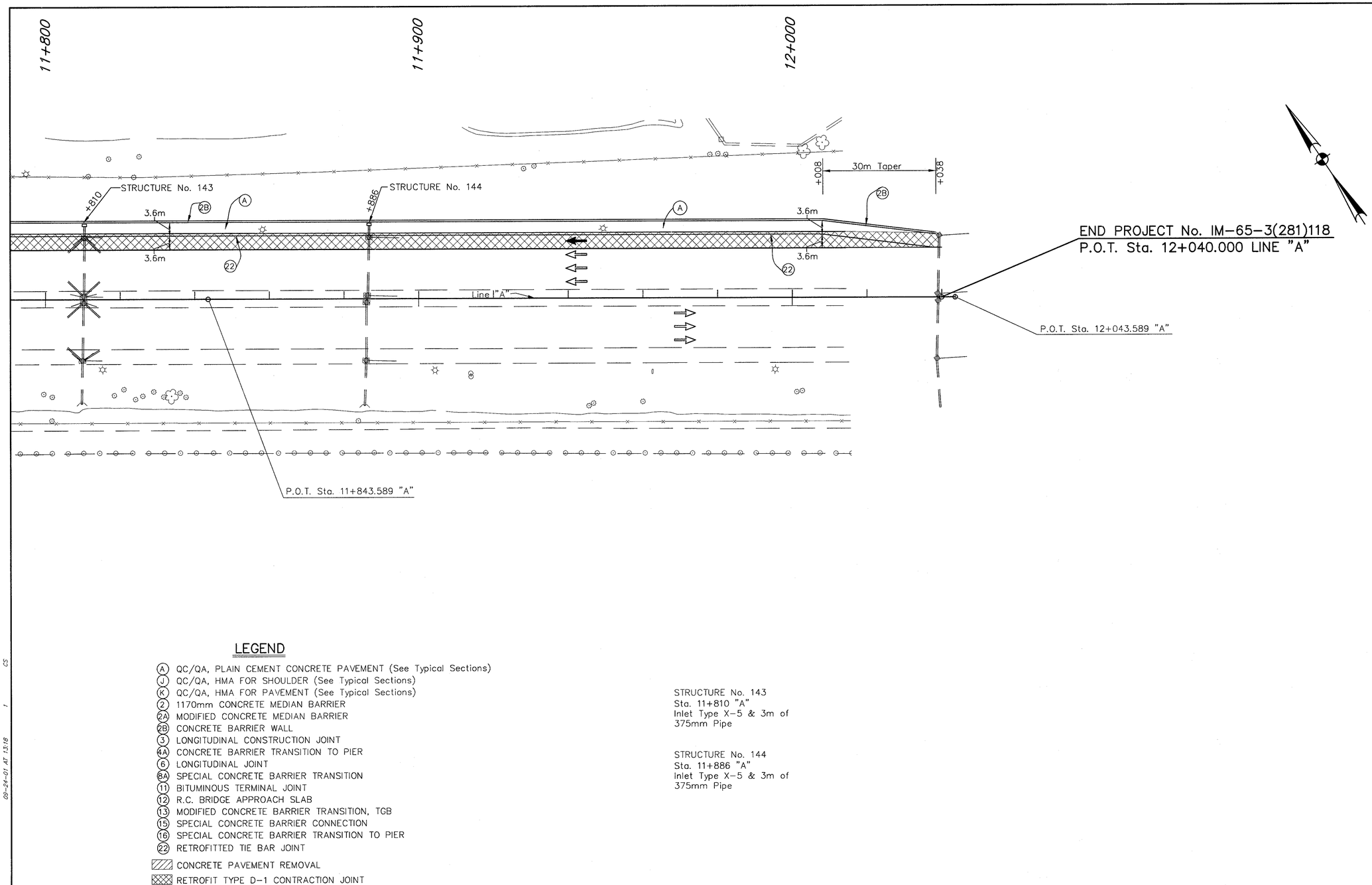

LEGEND

- (A) QC/QA, PLAIN CEMENT CONCRETE PAVEMENT (See Typical Sections)
- (J) QC/QA, HMA FOR SHOULDER (See Typical Sections)
- (K) QC/QA, HMA FOR PAVEMENT (See Typical Sections)
- (2) 1170mm CONCRETE MEDIAN BARRIER
- (2A) MODIFIED CONCRETE MEDIAN BARRIER
- (2B) CONCRETE BARRIER WALL
- (3) LONGITUDINAL CONSTRUCTION JOINT
- (4A) CONCRETE BARRIER TRANSITION TO PIER
- (6) LONGITUDINAL JOINT
- (8A) SPECIAL CONCRETE BARRIER TRANSITION
- (11) BITUMINOUS TERMINAL JOINT
- (12) R.C. BRIDGE APPROACH SLAB
- (13) MODIFIED CONCRETE BARRIER TRANSITION, TGB
- (15) SPECIAL CONCRETE BARRIER CONNECTION
- (16) SPECIAL CONCRETE BARRIER TRANSITION TO PIER
- (22) RETROFITTED TIE BAR JOINT
- CONCRETE PAVEMENT REMOVAL
- RETROFIT TYPE D-1 CONTRACTION JOINT

STRUCTURE No. 143
Sta. 11+810 "A"
Inlet Type X-5 & 3m of 375mm Pipe

STRUCTURE No. 144
Sta. 11+886 "A"
Inlet Type X-5 & 3m of 375mm Pipe

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Stephen F. Weintraut 9/28/01
DESIGN ENGINEER DATE

DESIGNED: B.Z. DRAWN: D.B.
CHECKED: M.O. CHECKED: B.Z.

INDIANA DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

HORIZONTAL SCALE 1:500	FILE 3804
VERTICAL SCALE 1:100	DESIGNATION 9614680
SURVEY BOOK	SHEET 156 OF 520
CONTRACT R-24327	PROJECT IM-65-3 (281)118

DES NO. 3804.07

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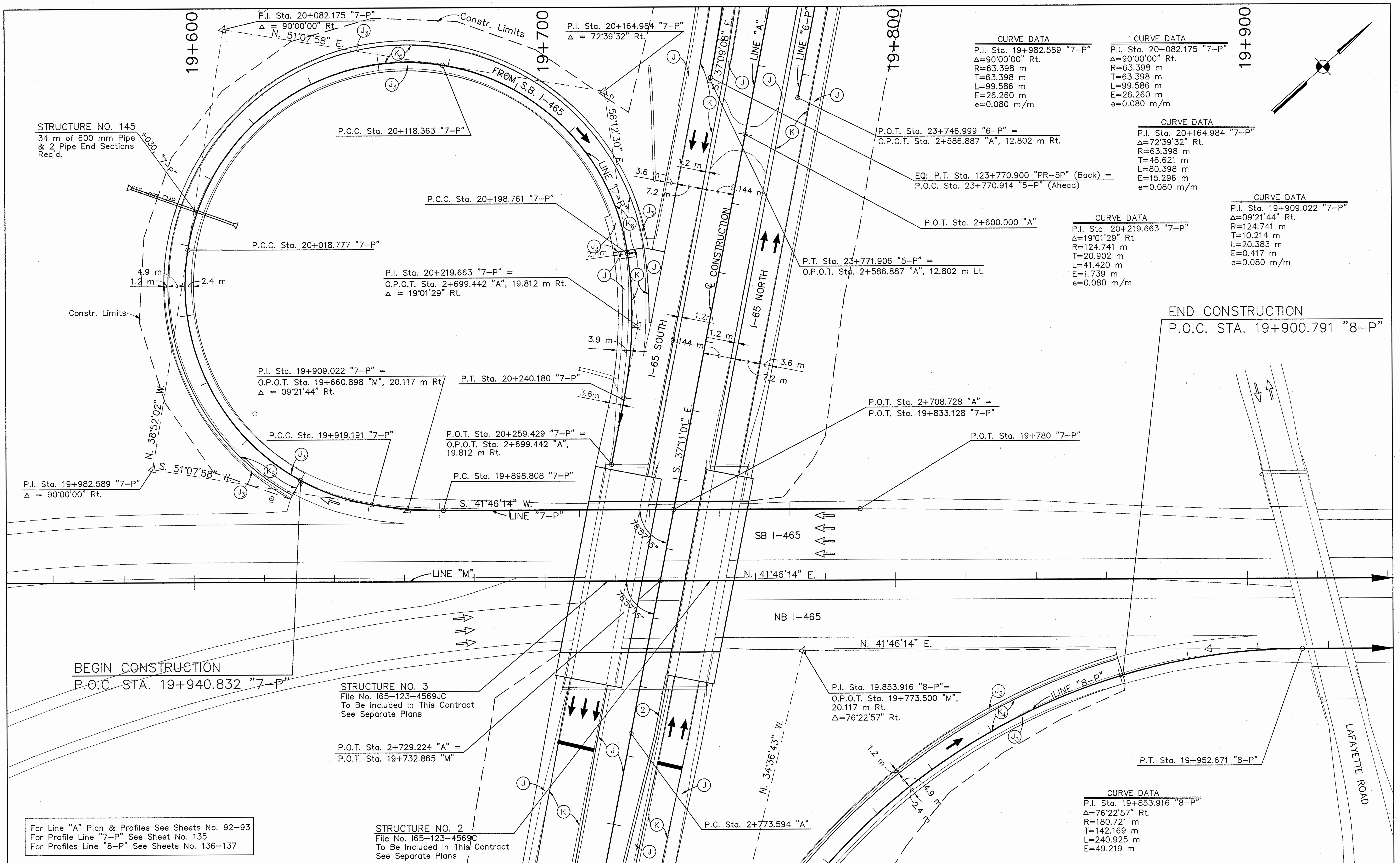

19+600
19+700
19+800
19+900
P.I. Sta. 20+082.175 "7-P"
Δ = 90°00'00" Rt.
N. 51°07'58" E.
Constr. Limits
P.I. Sta. 20+164.984 "7-P"
Δ = 72°39'32" Rt.
FROM S.B. I-465
LINE "A"
LINE "6-P"
S. 37°09'08" E.
S. 56°12'30" E.
P.C.C. Sta. 20+118.363 "7-P"
STRUCTURE NO. 145
34 m of 600 mm Pipe
& 2 Pipe End Sections
Req'd.
+030 "7-P"
610 mm CMP
P.C.C. Sta. 20+198.761 "7-P"
P.C.C. Sta. 20+018.777 "7-P"
P.I. Sta. 20+219.663 "7-P" =
O.P.O.T. Sta. 2+699.442 "A", 19.812 m Rt.
Δ = 19°01'29" Rt.
4.9 m
1.2 m
2.4 m
Constr. Limits
3.6 m
7.2 m
1.2 m
9.144 m
2.4m
LINE "7-P"
€ CONSTRUCTION
I-65 SOUTH
I-65 NORTH
3.9 m
9.144 m
1.2 m
1.2 m
3.6 m
7.2 m
3.6m
P.I. Sta. 19+909.022 "7-P" =
O.P.O.T. Sta. 19+660.898 "M", 20.117 m Rt.
Δ = 09°21'44" Rt.
P.T. Sta. 20+240.180 "7-P"
S. 37°11'01" E.
N. 38°52'02" W.
P.C.C. Sta. 19+919.191 "7-P"
P.O.T. Sta. 20+259.429 "7-P" =
O.P.O.T. Sta. 2+699.442 "A",
19.812 m Rt.
P.C. Sta. 19+898.808 "7-P"
S. 51°07'58" W.
P.I. Sta. 19+982.589 "7-P"
Δ = 90°00'00" Rt.
S. 41°46'14" W.
LINE "7-P"
78°57'15"
SB I-465
LINE "M"
N. 41°46'14" E.
78°57'15"
NB I-465
N. 41°46'14" E.
P.O.T. Sta. 23+746.999 "6-P" =
O.P.O.T. Sta. 2+586.887 "A", 12.802 m Rt.
EQ: P.T. Sta. 123+770.900 "PR-5P" (Back) =
P.O.C. Sta. 23+770.914 "5-P" (Ahead)
P.O.T. Sta. 2+600.000 "A"
P.T. Sta. 23+771.906 "5-P" =
O.P.O.T. Sta. 2+586.887 "A", 12.802 m Lt.
P.O.T. Sta. 2+708.728 "A" =
P.O.T. Sta. 19+833.128 "7-P"
P.O.T. Sta. 19+780 "7-P"
CURVE DATA
P.I. Sta. 19+982.589 "7-P"
Δ=90°00'00" Rt.
R=63.398 m
T=63.398 m
L=99.586 m
E=26.260 m
e=0.080 m/m
CURVE DATA
P.I. Sta. 20+082.175 "7-P"
Δ=90°00'00" Rt.
R=63.398 m
T=63.398 m
L=99.586 m
E=26.260 m
e=0.080 m/m
CURVE DATA
P.I. Sta. 20+164.984 "7-P"
Δ=72°39'32" Rt.
R=63.398 m
T=46.621 m
L=80.398 m
E=15.296 m
e=0.080 m/m
CURVE DATA
P.I. Sta. 20+219.663 "7-P"
Δ=19°01'29" Rt.
R=124.741 m
T=20.902 m
L=41.420 m
E=1.739 m
e=0.080 m/m
CURVE DATA
P.I. Sta. 19+909.022 "7-P"
Δ=09°21'44" Rt.
R=124.741 m
T=10.214 m
L=20.383 m
E=0.417 m
e=0.080 m/m
END CONSTRUCTION
P.O.C. STA. 19+900.791 "8-P"
BEGIN CONSTRUCTION
P.O.C. STA. 19+940.832 "7-P"
STRUCTURE NO. 3
File No. I65-123-4569JC
To Be Included In This Contract
See Separate Plans
P.O.T. Sta. 2+729.224 "A" =
P.O.T. Sta. 19+732.865 "M"
STRUCTURE NO. 2
File No. I65-123-4569C
To Be Included In This Contract
See Separate Plans
P.C. Sta. 2+773.594 "A"
N. 34°36'43" W.
P.I. Sta. 19.853.916 "8-P"=
O.P.O.T. Sta. 19+773.500 "M",
20.117 m Rt.
Δ=76°22'57" Rt.
LINE "8-P"
1.2 m
4.9 m
2.4 m
P.T. Sta. 19+952.671 "8-P"
LAFAYETTE ROAD
CURVE DATA
P.I. Sta. 19+853.916 "8-P"
Δ=76°22'57" Rt.
R=180.721 m
T=142.169 m
L=240.925 m
E=49.219 m
For Line "A" Plan & Profiles See Sheets No. 92-93
For Profile Line "7-P" See Sheet No. 135
For Profiles Line "8-P" See Sheets No. 136-137

PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (F) Fence, Chain Link, 1220 mm
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL	[signature] DESIGN ENGINEER	9/28/01 DATE	
DESIGNED: JAT	DRAWN: JWM		
CHECKED: IUS	CHECKED: JAT		

INDIANA DEPARTMENT OF TRANSPORTATION

I-465 INTERCHANGE DETAIL

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:500	9614680
SURVEY BOOK	SHEETS
	157 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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Drawing File: K:-Drive\sdsk\proj\375\myplot\DETAILS\7-PDET.dwg (JCowan)

DATE: 8/07/00

3+100

3+000

2+900

2+800

STRUCTURE NO. 13
Inlet Type H-5, 42.5 m of 375 mm Pipe & 1 Pipe End Section Req'd.

+000 "A"

P.I. Sta. 2+849.794 "A"
Δ = 00°22'18" Rt.

P.T. Sta. 2+925.994 "A"

I-465 NORTH

I-465 SOUTH

LINE "M"

P.I. Sta. 0+117.863 "PR-8P"
Δ=11°13'09" Rt.

I-65 SOUTH

LINE "A"

℄ CONSTRUCTION

I-65 NORTH

LINE "PR-8P" N. 35°52'42" W.

LINE "8-P"

N. 24°39'33" W.

1.2 m

4.9 m

2.4 m

N. 34°36'43" W.

P.I. Sta. 19+853.916 "8-P"=
O.P.O.T. Sta. 19+773.500 "M",
20.117 m Rt.
Δ=76°22'57" Rt.

N. 41°46'14" E.

+805 "PR-8P"

P.C. Sta. 0+000.000 "PR-8P" =
O.P.O.T. Sta. 3+084.934 "A", 14.755 m Lt.

P.C. Sta. 19+711.747 "8-P"

P.T. Sta. 0+234.970 "PR-8P"(Back)
P.O.C. Sta. 19+743.132 "8-P"(Ahead')

STRUCTURE NO. 161
32 m of 600 mm Pipe
& 2 End Sections Req'd.

CURVE DATA
P.I. Sta. 0+117.863 "PR-8P"
Δ=11°13'09" Rt.
R=1200.000 m
T=117.863 m
L=234.972 m
E=5.774 m
e=0.024 m/m

CURVE DATA
P.I. Sta. 19+853.916 "8-P"
Δ=76°22'57" Rt.
R=180.721 m
T=142.169 m
L=240.925 m
E=49.219 m
e=0.080 m/m

END CONSTRUCTION
P.O.C. STA. 19+900.791 "8-P"

For Line "A" Plan & Profiles See Sheets No. 111-112
For Profile Line "PR-8P & "8-P" See Sheet No. 160

PROPOSED LEGEND (See Typicals)

- (A) QC/QA, 350 mm Plain Cement Concrete Pavement
- (F) Fence, Chain Link, 1220 mm
- (J) Shoulder Pavement
- (K) Mainline Pavement
- (2) 1170 mm Concrete Median Barrier
- (2A) Modified Concrete Median Barrier

EXISTING LEGEND

- Existing Asphalt
- Existing Concrete
- Existing Earth

IBRAHIM U. SHAH REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER 9/28/01 DATE

DESIGNED: JAT DRAWN: JWM

CHECKED: IUS CHECKED: JAT

INDIANA
DEPARTMENT OF TRANSPORTATION

I-465
INTERCHANGE DETAIL

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:500	9614680
SURVEY BOOK	SHEETS
	158 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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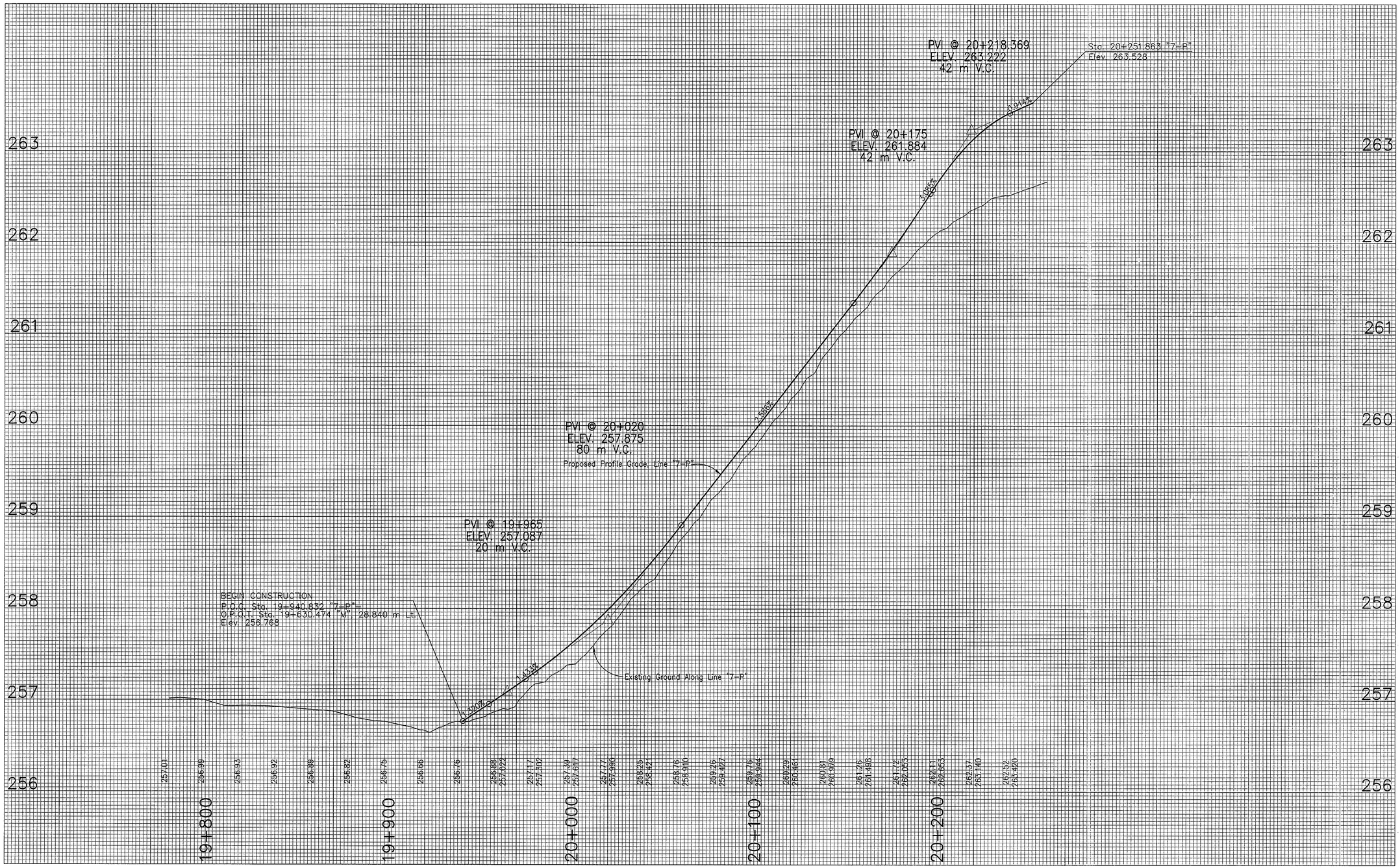

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	9/28/01 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1:1000 / BRIDGE FILE
DESIGNED: JAT	DRAWN: JWM	LINE "7-P" RAMP PROFILE	VERTICAL SCALE 1:20 / DESIGNATION 9614680
CHECKED: MAE	CHECKED: JAT		SURVEY BOOK / SHEETS 159 of 520
			CONTRACT R-24327 / PROJECT IM-65-3(281)118

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

Time: 10:7:30
Date: 8/25/2001
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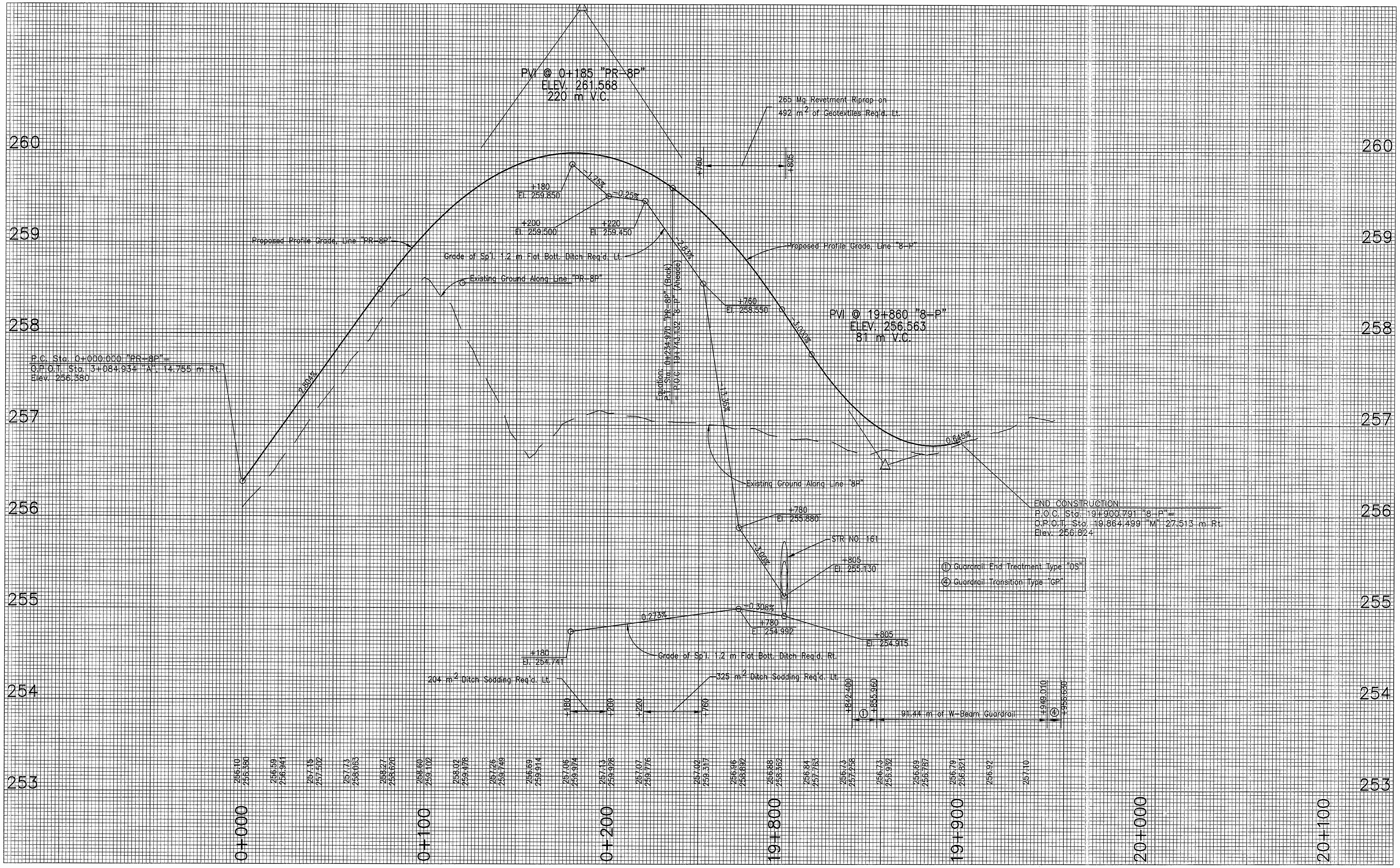


IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

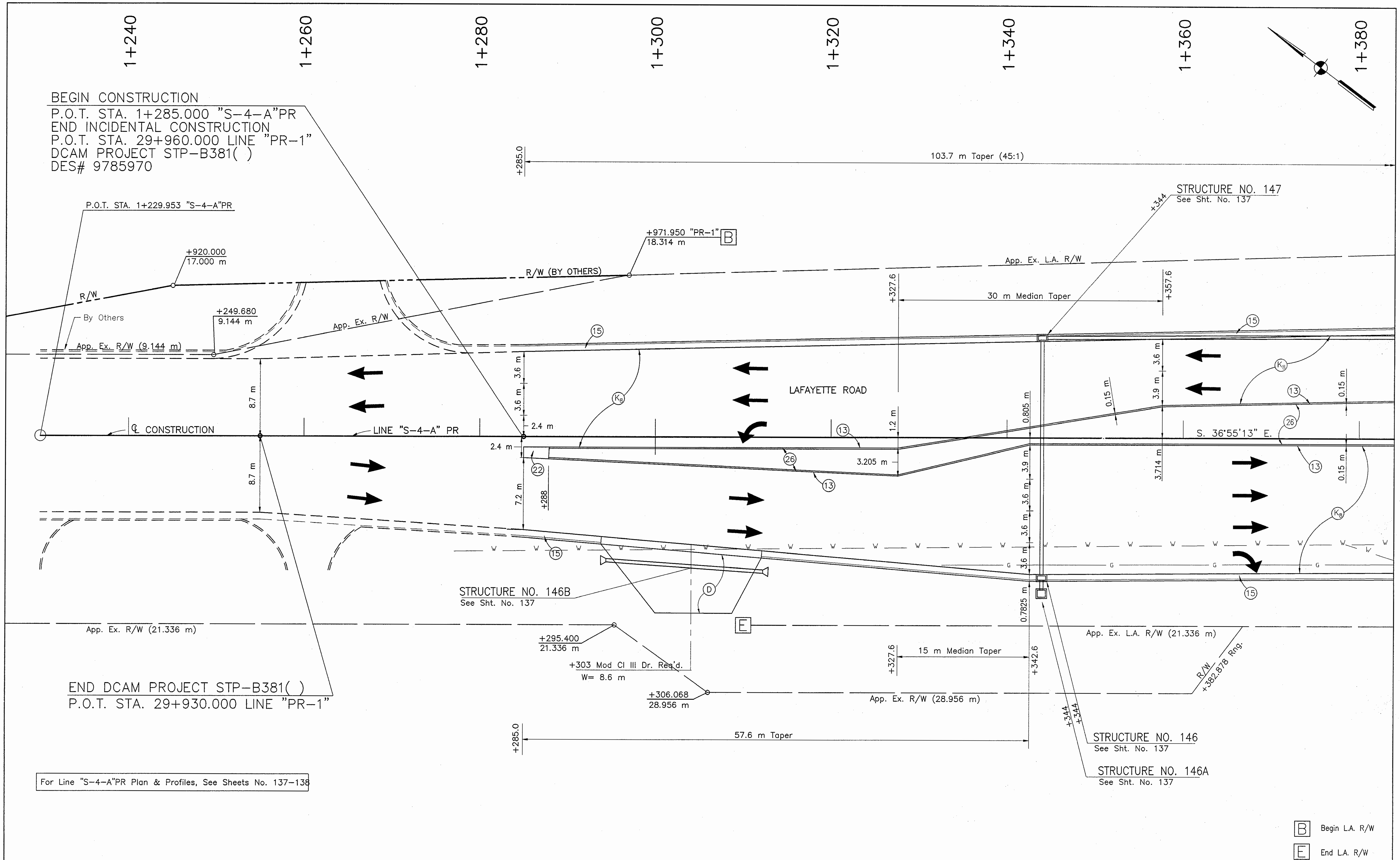
DESIGNED: JAT | DRAWN: JWM
CHECKED: MAE | CHECKED: JAT

INDIANA
DEPARTMENT OF TRANSPORTATION

LINE "8-P"/"PR-8P"
RAMP PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1:1000	
VERTICAL SCALE	DESIGNATION
1:20	9614680
SURVEY BOOK	SHEETS
	160 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

Time: 10:11:57
Date: 8/25/2001


1+240
1+260
1+280
1+300
1+320
1+340
1+360
1+380
BEGIN CONSTRUCTION
P.O.T. STA. 1+285.000 "S-4-A"PR
END INCIDENTAL CONSTRUCTION
P.O.T. STA. 29+960.000 LINE "PR-1"
DCAM PROJECT STP-B381( )
DES# 9785970
+285.0
103.7 m Taper (45:1)
STRUCTURE NO. 147
See Sht. No. 137
+344
P.O.T. STA. 1+229.953 "S-4-A"PR
+971.950 "PR-1"
18.314 m
B
+920.000
17.000 m
R/W (BY OTHERS)
App. Ex. L.A. R/W
R/W
By Others
+249.680
9.144 m
App. Ex. R/W
+327.6
30 m Median Taper
+357.6
App. Ex. R/W (9.144 m)
LAFAYETTE ROAD
8.7 m
3.6 m
3.6 m
2.4 m
℄ CONSTRUCTION
LINE "S-4-A" PR
S. 36°55'13" E.
2.4 m
1.2 m
0.805 m
0.15 m
3.9 m
3.205 m
3.714 m
7.2 m
+288
0.7825 m
STRUCTURE NO. 146B
See Sht. No. 137
App. Ex. R/W (21.336 m)
+295.400
21.336 m
E
App. Ex. L.A. R/W (21.336 m)
+303 Mod Cl III Dr. Req'd.
W= 8.6 m
15 m Median Taper
+342.6
R/W
+382.878 Rng.
END DCAM PROJECT STP-B381( )
P.O.T. STA. 29+930.000 LINE "PR-1"
+306.068
28.956 m
App. Ex. R/W (28.956 m)
57.6 m Taper
STRUCTURE NO. 146
See Sht. No. 137
STRUCTURE NO. 146A
See Sht. No. 137
For Line "S-4-A"PR Plan & Profiles, See Sheets No. 137-138
B Begin L.A. R/W
E End L.A. R/W

PROPOSED LEGEND (See Typicals)

- (K8) Full Depth QC/QA HMA Pavement
- (D) Compacted Aggregate for Base #53
- (13) Concrete Curb
- (15) Combined Concrete Curb & Gutter
- (22) Concrete Center Curb Type "D"
- (26) Sodding

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] DESIGN ENGINEER 9/28/01 DATE

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

INDIANA DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS LINE "S-4-A"PR

HORIZONTAL SCALE 1:200	BRIDGE FILE
VERTICAL SCALE N/A	DESIGNATION 9614680
SURVEY BOOK	SHEETS 161 of 520
CONTRACT R-24327	PROJECT IM-65-3(281)118

Time: 10:20:34 Date: 8/25/2001 Scale: 1=200(PS) Drawing File: K:\Drive\sdsk\proj\375\ASBUILTS-DO NOT MODIFY\DETAILS\DET-S4A1.dwg (JMiller)

1+380 1+400 1+420 1+440 1+460 1+480 1+500 1+520

0+408.680 "US52-NEC"
37.2 m Rt.

0+408.680 "US52-NEC"

0+436.634 "US52-NEC"

103.7 m
Taper (45:1)

+388.7

30 m R

App. Ex. L.A. R/W

App. Ex. LAR/W

2.4 m

7.2 m

7.2 m

1.2 m

RAMP

P.T. STA. 0+399.046 "US52-NEC"

END CONSTRUCTION
P.O.T. STA. 0+426.950 "US52-NEC"

Grade to Structure No. 160

LINE "US52-NEC"
S. 73°04'47" W.

P.O.T. STA. 1+418.844 "S-4-A"PR =
P.O.T. STA. 0+439.902 "US52-NEC" =
P.O.T. STA. 0+000.000 "US52-NWC"

STRUCTURE NO. 149
See Sht. No. 137

+486

0+416.582 "US52-NEC"
25.2 m Lt.

0+416.582 "US52-NEC"

P.O.T. STA. 1+529.953 "S-4-A"PR" =
P.O.T. STA. 5+970.557 "A" =

0.7825 m
3.6 m
3.9 m
4.405 m

+404.5

2.605 m R

18 m R

1.2 m

+442

℄ CONSTRUCTION

0.805 m

LAFAYETTE ROAD

0.15 m
3.9 m
3.6 m
3.9 m
3.9 m
3.6 m
3.9 m
0.15 m

70°00'00"

110°00'00"

S. 36°55'13" E.

LINE "S-4-A"PR

(TO SB I-65)

P.C. STA. 0+012.827 "US52-NWC"

P.O.T. STA. 1+429.953 "S-4-A"PR

0+025.210 "US52-NWC"

0+006.959 "US52-NWC"

18 m R

15 m R

0+023.133 "US52-NWC"

0+023.133 "US52-NWC"
22.9 m Lt.

0+039.846 "US52-NWC"
16.2 m Rt.

0+039.846 "US52-NWC"

2.4 m

4.9 m

1.2 m

LINE "US52-NWC"
S. 73°04'47" W.

BEGIN CONSTRUCTION
P.O.T. STA. 0+014.346 "US52-NWC"

STRUCTURE NO. 148
See Sht. No. 137

+486

LINE "A"
S. 84°37'34" E.

I-65 NORTH

I-65 SOUTH

App. Ex. L.A. R/W

For Line "S-4-A"PR Plan & Profiles, See Sheets No. 137-138
For Line "S-4-A"PR Signal Details, See Sheets No. 193-194

PROPOSED LEGEND (See Typicals)

- (D) 100 mm Plain Cement Concrete Pavement
- (K4) (K8) Full Depth QC/QA HMA Pavement
- (J3) Full Depth QC/QA HMA Shoulder
- (13) Concrete Curb
- (14) Concrete Curb, Type "B"
- (15) Combined Concrete Curb & Gutter
- (26) Sodding
- (23) Concrete Center Curb Type "B"

IBRAHIM SWIDAN
REGISTERED
No. PE19600226
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ 9/28/01
DESIGN ENGINEER DATE

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

INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
LINE "S-4-A"PR

HORIZONTAL SCALE	BRIDGE FILE
1:200	
VERTICAL SCALE	DESIGNATION
N/A	9614680
SURVEY BOOK	SHEETS
	162 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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Date: 8/25/2001
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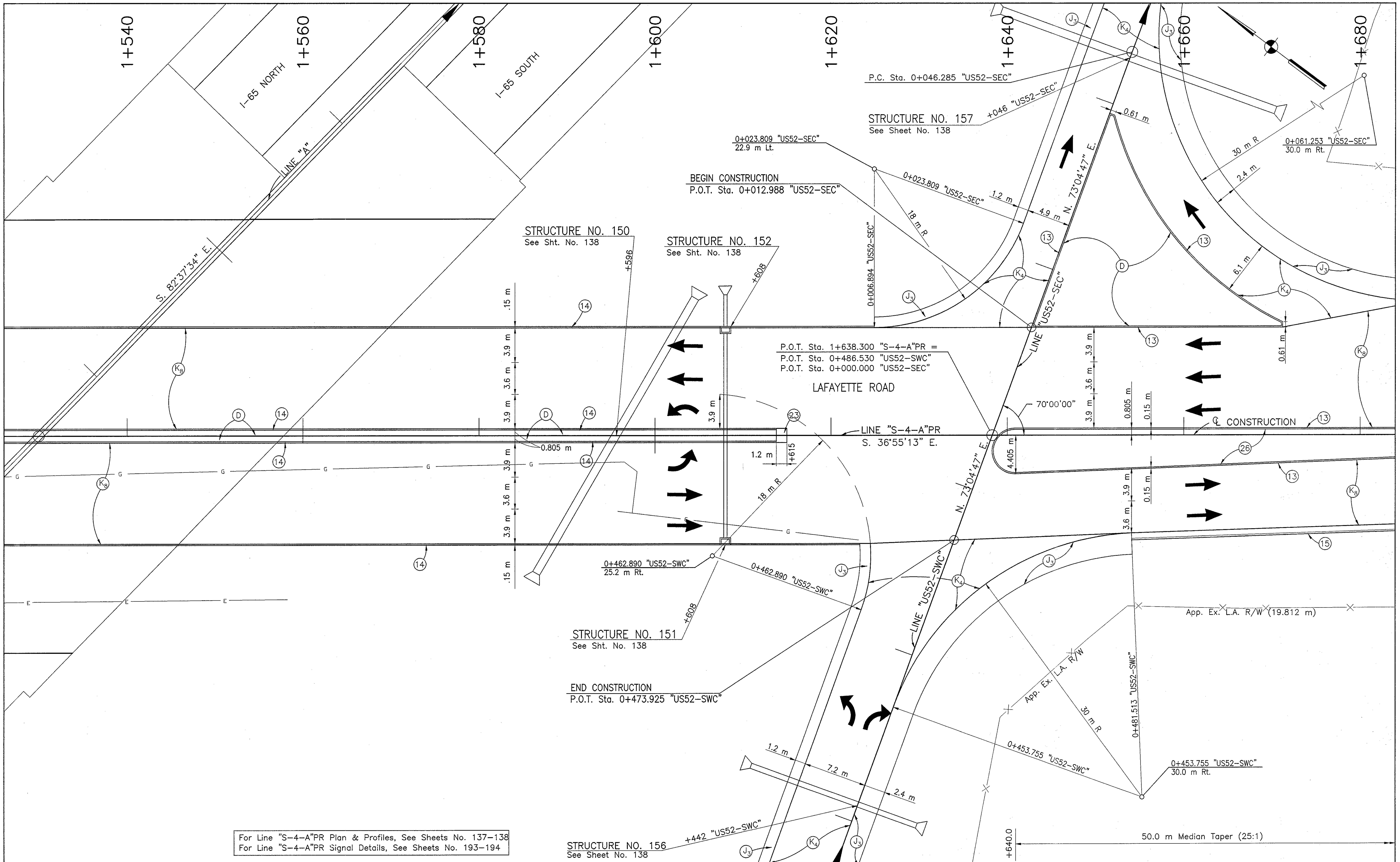

PROPOSED LEGEND (See Typicals)

- (D) 100 mm Plain Cement Concrete Pavement
- (K_4) (K_8) Full Depth QC/QA HMA Pavement
- (J_3) Full Depth QC/QA HMA Shoulder
- (13) Concrete Curb
- (14) Concrete Curb, Type "B"
- (15) Combined Concrete Curb & Gutter
- (26) Sodding
- (23) Concrete Center Curb Type "B"

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] DESIGN ENGINEER 9/28/01 DATE

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

INDIANA DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
LINE "S-4-A"PR

HORIZONTAL SCALE	BRIDGE FILE
1:200	
VERTICAL SCALE	DESIGNATION
N/A	9614680
SURVEY BOOK	SHEETS
	163 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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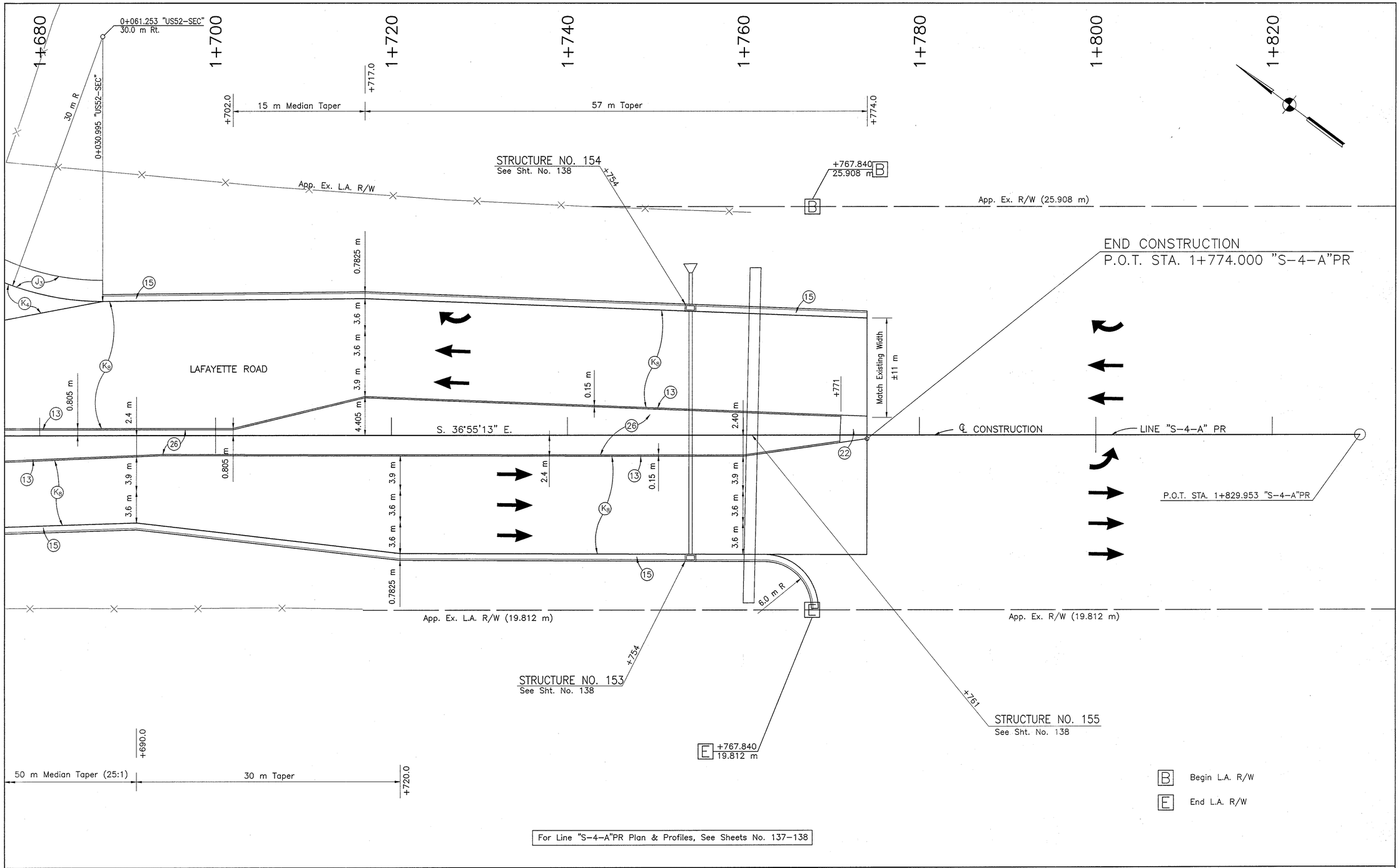

For Line "S-4-A"PR Plan & Profiles, See Sheets No. 137-138

PROPOSED LEGEND (See Typicals)

- (K4) (K8) Full Depth QC/QA HMA Pavement
- (J3) Full Depth QC/QA HMA Shoulder
- (13) Concrete Curb
- (15) Combined Concrete Curb & Gutter
- (26) Sodding
- (22) Concrete Center Curb Type "D"

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ 9/28/01
DESIGN ENGINEER DATE

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

INDIANA DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
LINE "S-4-A"PR

HORIZONTAL SCALE	BRIDGE FILE
1:200	
VERTICAL SCALE	DESIGNATION
N/A	9614680
SURVEY BOOK	SHEETS
	164 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

Time: 10:26:23
Date: 9/28/2001
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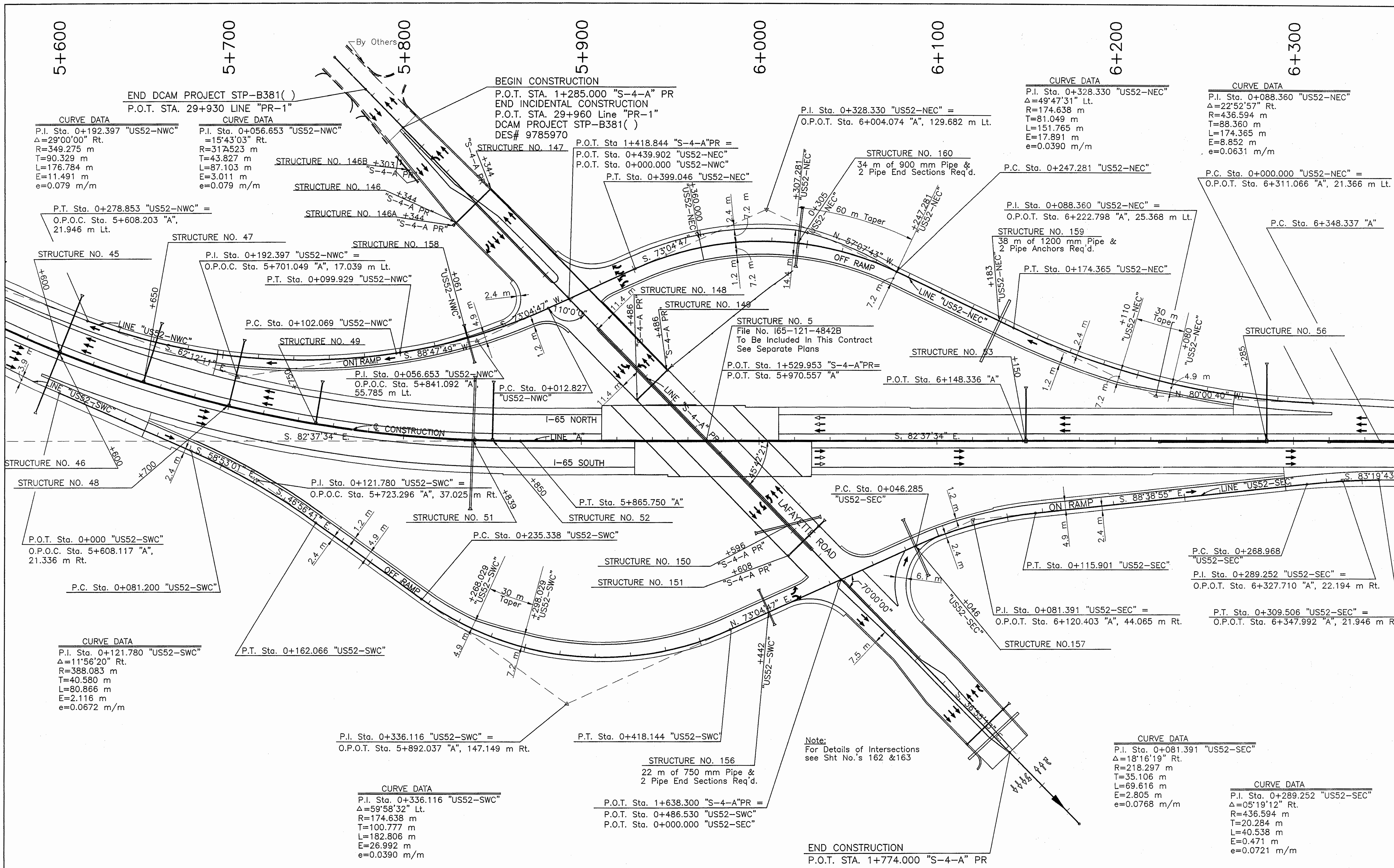

5+600
5+700
5+800
5+900
6+000
6+100
6+200
6+300
By Others
END DCAM PROJECT STP-B381( )
P.O.T. STA. 29+930 LINE "PR-1"
BEGIN CONSTRUCTION
P.O.T. STA. 1+285.000 "S-4-A" PR
END INCIDENTAL CONSTRUCTION
P.O.T. STA. 29+960 Line "PR-1"
DCAM PROJECT STP-B381( )
DES# 9785970
CURVE DATA
P.I. Sta. 0+192.397 "US52-NWC"
Δ=29°00'00" Rt.
R=349.275 m
T=90.329 m
L=176.784 m
E=11.491 m
e=0.079 m/m
CURVE DATA
P.I. Sta. 0+056.653 "US52-NWC"
=15°43'03" Rt.
R=317.523 m
T=43.827 m
L=87.103 m
E=3.011 m
e=0.079 m/m
STRUCTURE NO. 146B
STRUCTURE NO. 146
STRUCTURE NO. 146A
STRUCTURE NO. 147
P.O.T. Sta 1+418.844 "S-4-A"PR =
P.O.T. Sta. 0+439.902 "US52-NEC"
P.O.T. Sta. 0+000.000 "US52-NWC"
P.T. Sta. 0+399.046 "US52-NEC"
P.I. Sta. 0+328.330 "US52-NEC" =
O.P.O.T. Sta. 6+004.074 "A", 129.682 m Lt.
STRUCTURE NO. 160
34 m of 900 mm Pipe &
2 Pipe End Sections Req'd.
CURVE DATA
P.I. Sta. 0+328.330 "US52-NEC"
Δ=49°47'31" Lt.
R=174.638 m
T=81.049 m
L=151.765 m
E=17.891 m
e=0.0390 m/m
CURVE DATA
P.I. Sta. 0+088.360 "US52-NEC"
Δ=22°52'57" Rt.
R=436.594 m
T=88.360 m
L=174.365 m
E=8.852 m
e=0.0631 m/m
P.C. Sta. 0+247.281 "US52-NEC"
P.C. Sta. 0+000.000 "US52-NEC" =
O.P.O.T. Sta. 6+311.066 "A", 21.366 m Lt.
P.I. Sta. 0+088.360 "US52-NEC" =
O.P.O.T. Sta. 6+222.798 "A", 25.368 m Lt.
P.C. Sta. 6+348.337 "A"
STRUCTURE NO. 159
38 m of 1200 mm Pipe &
2 Pipe Anchors Req'd.
P.T. Sta. 0+174.365 "US52-NEC"
P.T. Sta. 0+278.853 "US52-NWC" =
O.P.O.C. Sta. 5+608.203 "A",
21.946 m Lt.
STRUCTURE NO. 47
STRUCTURE NO. 45
STRUCTURE NO. 158
P.I. Sta. 0+192.397 "US52-NWC" =
O.P.O.C. Sta. 5+701.049 "A", 17.039 m Lt.
P.T. Sta. 0+099.929 "US52-NWC"
P.C. Sta. 0+102.069 "US52-NWC"
STRUCTURE NO. 49
STRUCTURE NO. 148
STRUCTURE NO. 149
STRUCTURE NO. 5
File No. 165-121-4842B
To Be Included In This Contract
See Separate Plans
P.O.T. Sta. 1+529.953 "S-4-A"PR=
P.O.T. Sta. 5+970.557 "A"
STRUCTURE NO. 53
P.O.T. Sta. 6+148.336 "A"
STRUCTURE NO. 56
P.I. Sta. 0+056.653 "US52-NWC"
O.P.O.C. Sta. 5+841.092 "A",
55.785 m Lt.
P.C. Sta. 0+012.827
"US52-NWC"
I-65 NORTH
I-65 SOUTH
LINE "A"
S. 82°37'34" E.
ON RAMP
OFF RAMP
LAFAYETTE ROAD
STRUCTURE NO. 46
STRUCTURE NO. 48
P.I. Sta. 0+121.780 "US52-SWC" =
O.P.O.C. Sta. 5+723.296 "A", 37.025 m Rt.
STRUCTURE NO. 51
P.T. Sta. 5+865.750 "A"
STRUCTURE NO. 52
P.C. Sta. 0+046.285
"US52-SEC"
P.O.T. Sta. 0+000 "US52-SWC"
O.P.O.C. Sta. 5+608.117 "A",
21.336 m Rt.
P.C. Sta. 0+235.338 "US52-SWC"
STRUCTURE NO. 150
STRUCTURE NO. 151
P.T. Sta. 0+115.901 "US52-SEC"
P.C. Sta. 0+268.968
"US52-SEC"
P.I. Sta. 0+289.252 "US52-SEC" =
O.P.O.T. Sta. 6+327.710 "A", 22.194 m Rt.
P.C. Sta. 0+081.200 "US52-SWC"
P.I. Sta. 0+081.391 "US52-SEC" =
O.P.O.T. Sta. 6+120.403 "A", 44.065 m Rt.
P.T. Sta. 0+309.506 "US52-SEC" =
O.P.O.T. Sta. 6+347.992 "A", 21.946 m Rt.
STRUCTURE NO.157
CURVE DATA
P.I. Sta. 0+121.780 "US52-SWC"
Δ=11°56'20" Rt.
R=388.083 m
T=40.580 m
L=80.866 m
E=2.116 m
e=0.0672 m/m
P.T. Sta. 0+162.066 "US52-SWC"
P.I. Sta. 0+336.116 "US52-SWC" =
O.P.O.T. Sta. 5+892.037 "A", 147.149 m Rt.
P.T. Sta. 0+418.144 "US52-SWC"
Note:
For Details of Intersections
see Sht No.'s 162 &163
STRUCTURE NO. 156
22 m of 750 mm Pipe &
2 Pipe End Sections Req'd.
CURVE DATA
P.I. Sta. 0+336.116 "US52-SWC"
Δ=59°58'32" Lt.
R=174.638 m
T=100.777 m
L=182.806 m
E=26.992 m
e=0.0390 m/m
P.O.T. Sta. 1+638.300 "S-4-A"PR =
P.O.T. Sta. 0+486.530 "US52-SWC"
P.O.T. Sta. 0+000.000 "US52-SEC"
END CONSTRUCTION
P.O.T. STA. 1+774.000 "S-4-A" PR
CURVE DATA
P.I. Sta. 0+081.391 "US52-SEC"
Δ=18°16'19" Rt.
R=218.297 m
T=35.106 m
L=69.616 m
E=2.805 m
e=0.0768 m/m
CURVE DATA
P.I. Sta. 0+289.252 "US52-SEC"
Δ=05°19'12" Rt.
R=436.594 m
T=20.284 m
L=40.538 m
E=0.471 m
e=0.0721 m/m

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL: [signature] DESIGN ENGINEER — DATE 9/28/01

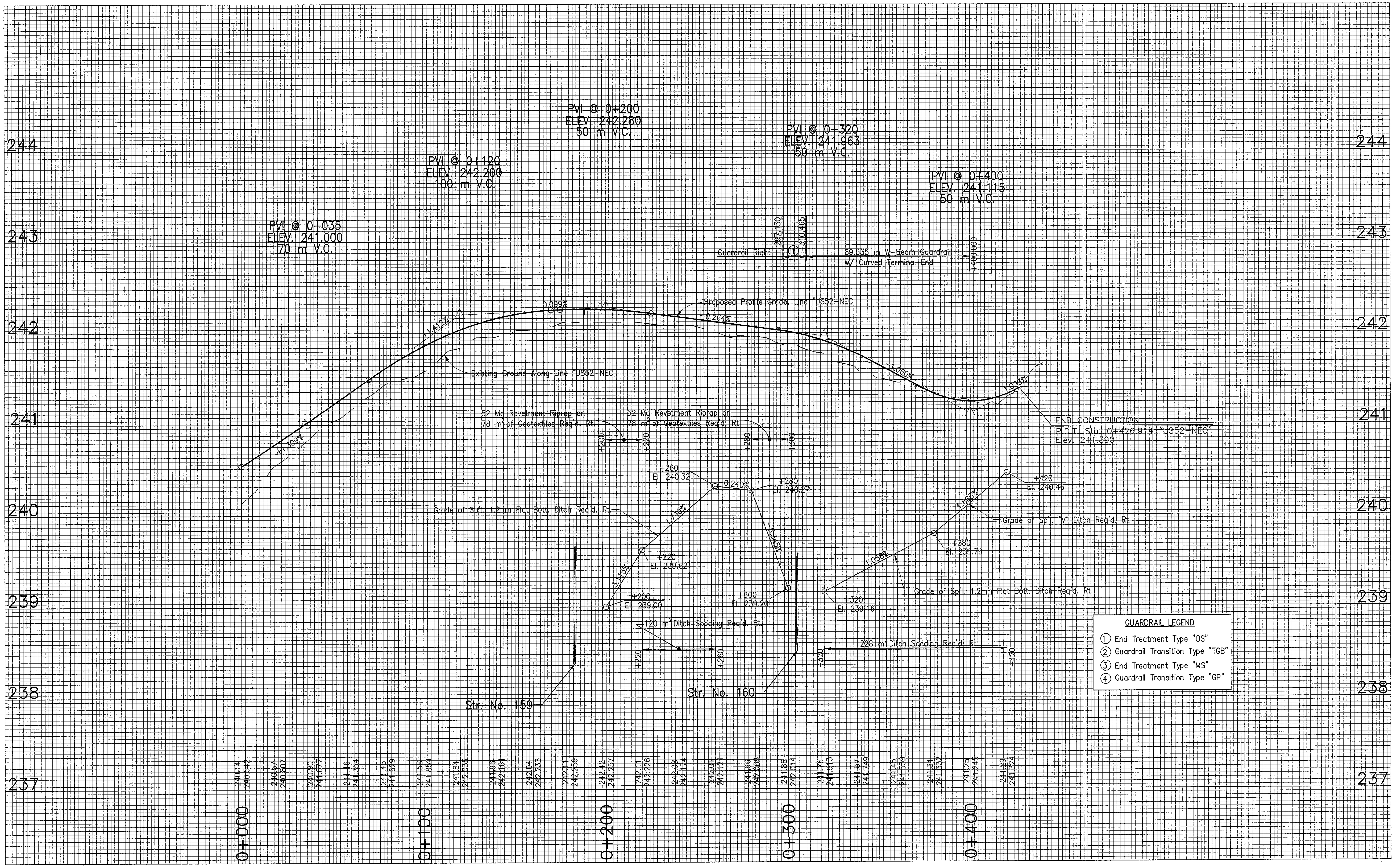
DESIGNED: JAT	DRAWN: JWM
CHECKED: MAE	CHECKED: JAT

INDIANA
DEPARTMENT OF TRANSPORTATION

I-65/LAFAYETTE ROAD
INTERCHANGE DETAIL

HORIZONTAL SCALE	BRIDGE FILE
1:1000	
VERTICAL SCALE	DESIGNATION
1:1000	9614680
SURVEY BOOK	SHEETS
	165 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

Time: 10:29:42
Date: 8/25/2001



244
243
242
241
240
239
238
237
PVI @ 0+035
ELEV. 241.000
70 m V.C.
PVI @ 0+120
ELEV. 242.200
100 m V.C.
PVI @ 0+200
ELEV. 242.280
50 m V.C.
PVI @ 0+320
ELEV. 241.963
50 m V.C.
PVI @ 0+400
ELEV. 241.115
50 m V.C.
Guardrail Right
+297.130
+310.465
89.535 m W-Beam Guardrail
w/ Curved Terminal End
+400.000
Proposed Profile Grade, Line "US52-NEC"
Existing Ground Along Line "US52-NEC"
+1.300%
+1.412%
0.099%
-0.264%
-1.060%
1.023%
END CONSTRUCTION
P.O.T. Sta. 0+426.914 "US52-NEC"
Elev. 241.390
52 Mg Revetment Riprap on
78 m² of Geotextiles Req'd. Rt.
+200
+220
52 Mg Revetment Riprap on
78 m² of Geotextiles Req'd. Rt.
+280
+300
Grade of Sp'l. 1.2 m Flat Bott. Ditch Req'd. Rt.
+260
El. 240.32
+280
El. 240.27
0.240%
1.740%
-5.345%
3.115%
+220
El. 239.62
+200
El. 239.00
+300
El. 239.20
120 m² Ditch Sodding Req'd. Rt.
+220
+260
Str. No. 159
Str. No. 160
+420
El. 240.46
1.665%
Grade of Sp'l. "V" Ditch Req'd. Rt.
+380
El. 239.79
1.058%
Grade of Sp'l. 1.2 m Flat Bott. Ditch Req'd. Rt.
+320
El. 239.16
228 m² Ditch Sodding Req'd. Rt.
+320
+420
GUARDRAIL LEGEND
① End Treatment Type "OS"
② Guardrail Transition Type "TGB"
③ End Treatment Type "MS"
④ Guardrail Transition Type "GP"
240.14 240.542
240.57 240.807
240.90 241.077
241.16 241.354
241.45 241.629
241.58 241.859
241.84 242.036
241.95 242.161
242.04 242.233
242.11 242.259
242.12 242.257
242.11 242.226
242.08 242.174
242.01 242.121
241.96 242.068
241.86 242.014
241.76 241.913
241.57 241.749
241.45 241.539
241.34 241.332
241.25 241.245
241.29 241.324
0+000
0+100
0+200
0+300
0+400

IBRAHIM SWIDAN
REGISTERED
No.
PE19600226
STATE OF
INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL: [signature] 9/28/01
DESIGN ENGINEER — DATE

DESIGNED: JAT — DRAWN: JWM
CHECKED: MAE — CHECKED: JAT

INDIANA DEPARTMENT OF TRANSPORTATION

LINE "US52-NEC" RAMP PROFILE

HORIZONTAL SCALE: 1:1000	BRIDGE FILE
VERTICAL SCALE: 1:20	DESIGNATION: 9614680
SURVEY BOOK	SHEETS: 166 of 520
CONTRACT: R-24327	PROJECT: IM-65-3(281)118

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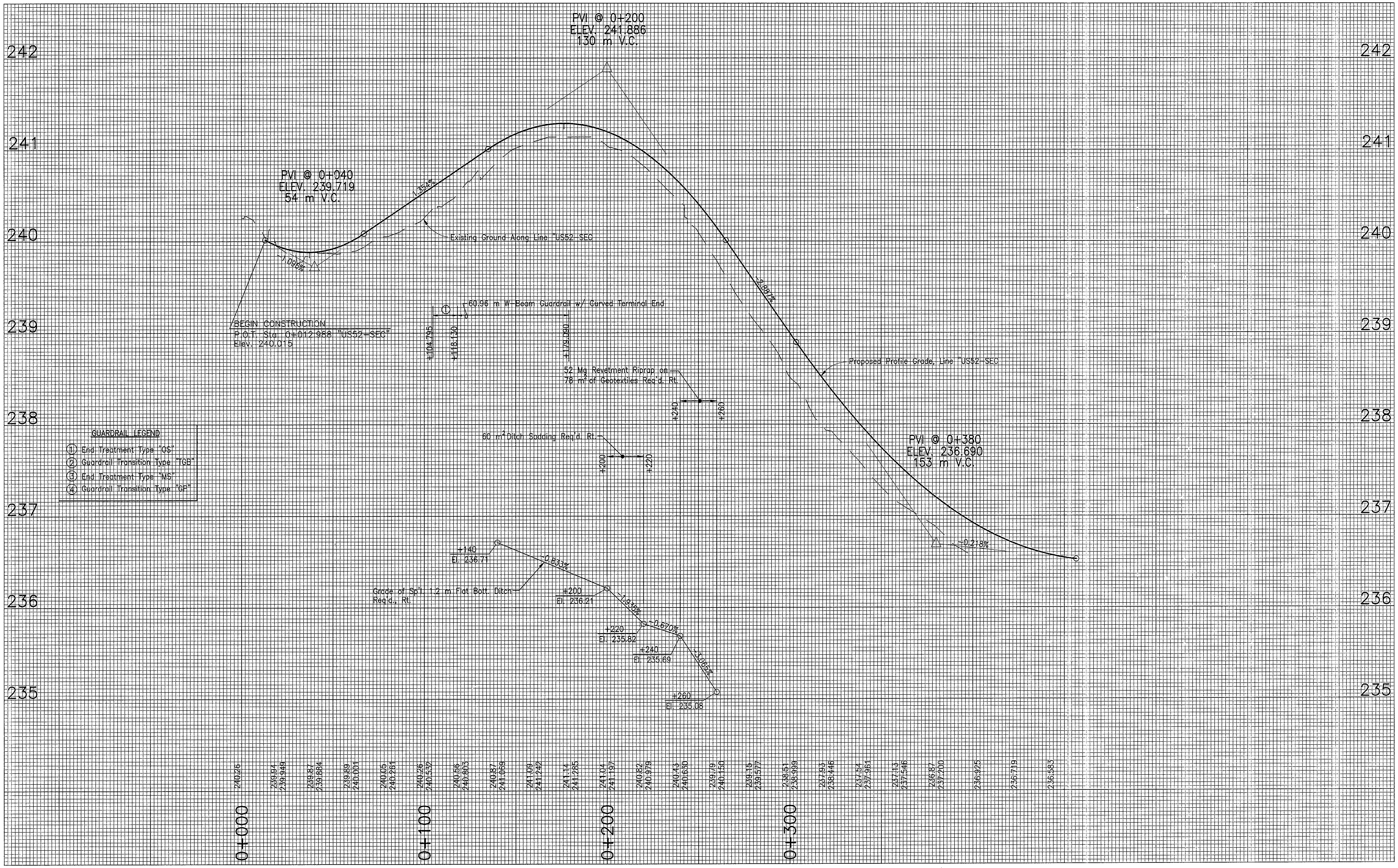

PVI @ 0+200
ELEV. 241.886
130 m V.C.
PVI @ 0+040
ELEV. 239.719
54 m V.C.
PVI @ 0+380
ELEV. 236.690
153 m V.C.
Existing Ground Along Line "US52-SEC"
Proposed Profile Grade, Line "US52-SEC"
BEGIN CONSTRUCTION
P.O.T. Sta. 0+012.988 "US52-SEC"
Elev. 240.015
60.96 m W-Beam Guardrail w/ Curved Terminal End
+104.795
+118.130
+179.090
52 Mg Revetment Riprap on
78 m² of Geotextiles Req'd. Rt.
+240
+260
60 m² Ditch Sodding Req'd. Rt.
+200
+220
GUARDRAIL LEGEND
① End Treatment Type "OS"
② Guardrail Transition Type "TGB"
③ End Treatment Type "MS"
④ Guardrail Transition Type "GF"
Grade of Sp'l. 1.2 m Flat Bott. Ditch
Req'd., Rt.
+140
El. 236.71
+200
El. 236.21
+220
El. 235.82
+240
El. 235.69
+260
El. 235.08
242
241
240
239
238
237
236
235
0+000
0+100
0+200
0+300

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	9/28/01 DATE
DESIGNED: JAT	DRAWN: JWM	
CHECKED: MAE	CHECKED: JAT	

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

INDIANA
DEPARTMENT OF TRANSPORTATION

LINE "US52-SEC"
RAMP PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1:1000	
VERTICAL SCALE	DESIGNATION
1:20	9614680
SURVEY BOOK	SHEETS
	167 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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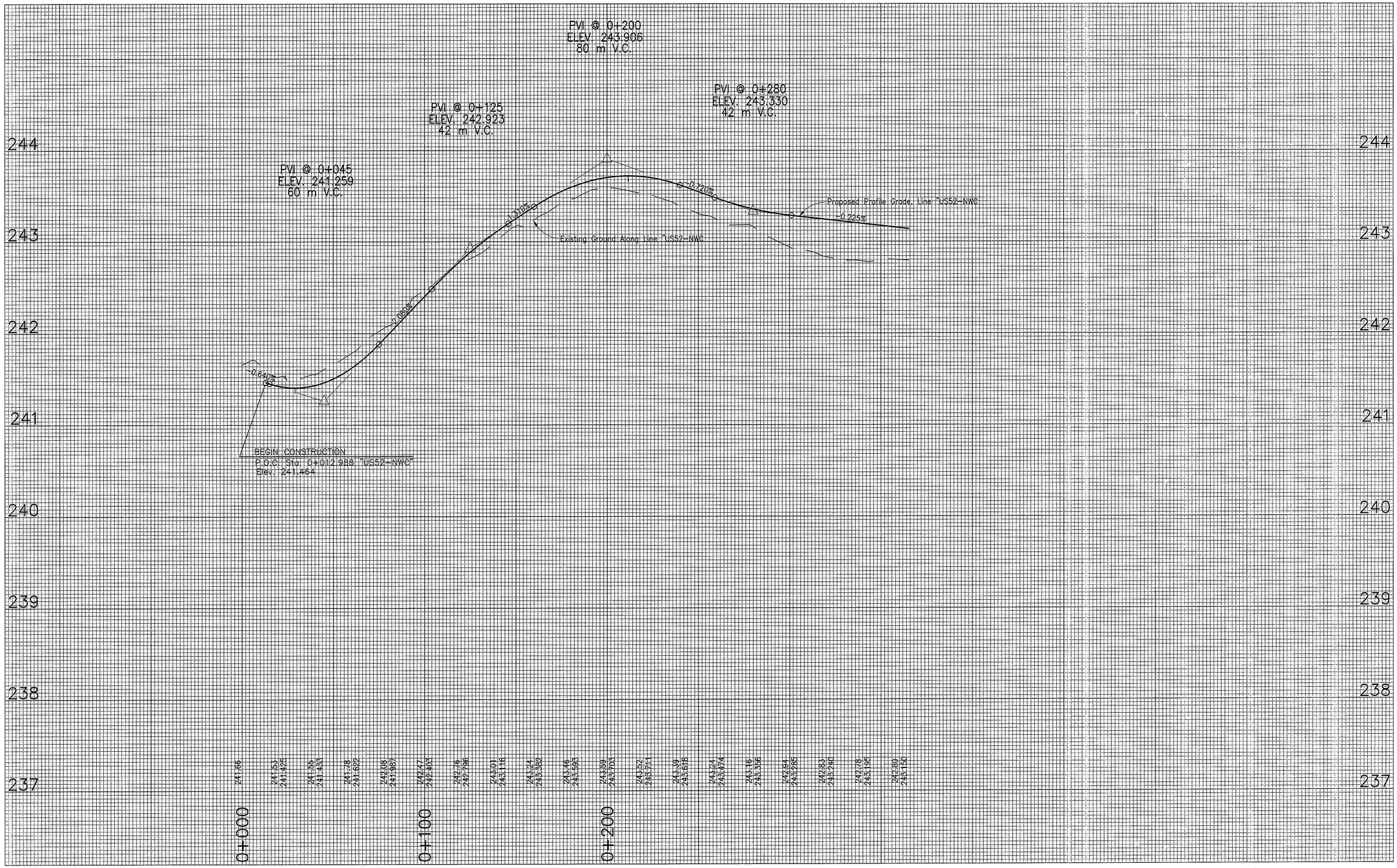

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REGISTERED
IBRAHIM SWAIDAN
No.
PE19600226
STATE OF
INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ 9/28/01
DESIGN ENGINEER DATE

DESIGNED: JAT | DRAWN: JWM
CHECKED: MAE | CHECKED: JAT

INDIANA
DEPARTMENT OF TRANSPORTATION

LINE "US52-NWC"
RAMP PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1:1000	
VERTICAL SCALE	DESIGNATION
1:20	9614680
SURVEY BOOK	SHEETS
	168 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

DATE: 8/07/00

PVI @ 0+060
ELEV. 245.437
110 m V.C.

PVI @ 0+210
ELEV. 243.649
42 m V.C.

PVI @ 0+252
ELEV. 243.450
42 m V.C.

PVI @ 0+390
ELEV. 241.584
42 m V.C.

0.76%

-1.19%

-0.47%

Existing Ground Along Line "US52-SWC"

Proposed Profile Grade, Line "US52-SWC"

-1.59%

-1.72%

END CONSTRUCTION
P.O.T. Sta. 0+473.880 "US52-SWC"
Elev. 240.133

Sta.	Existing Ground	Proposed Profile Grade
0+000	244.65	244.965
	244.78	245.102
	244.87	245.169
	244.95	245.165
	244.93	245.088
0+100	244.77	244.940
	244.44	244.722
	244.25	244.463
	244.04	244.245
	243.83	244.007
0+200	243.63	243.779
	243.41	243.612
	243.34	243.499
	243.01	243.324
	242.87	243.071
0+300	242.51	242.801
	242.26	242.530
	241.90	242.260
	241.77	241.989
	241.45	241.714
0+400	241.27	241.405
	240.89	241.065
	240.63	240.719
	240.18	240.373
	240.27	

IBRAHIM SWIDAN
REGISTERED
No. PE19600226
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: JAT | DRAWN: JWM
CHECKED: MAE | CHECKED: JAT

INDIANA
DEPARTMENT OF TRANSPORTATION

LINE "US52-SWC"
RAMP PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1:1000	
VERTICAL SCALE	DESIGNATION
1:20	9614680
SURVEY BOOK	SHEETS
	169 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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Date: 10/13/2001
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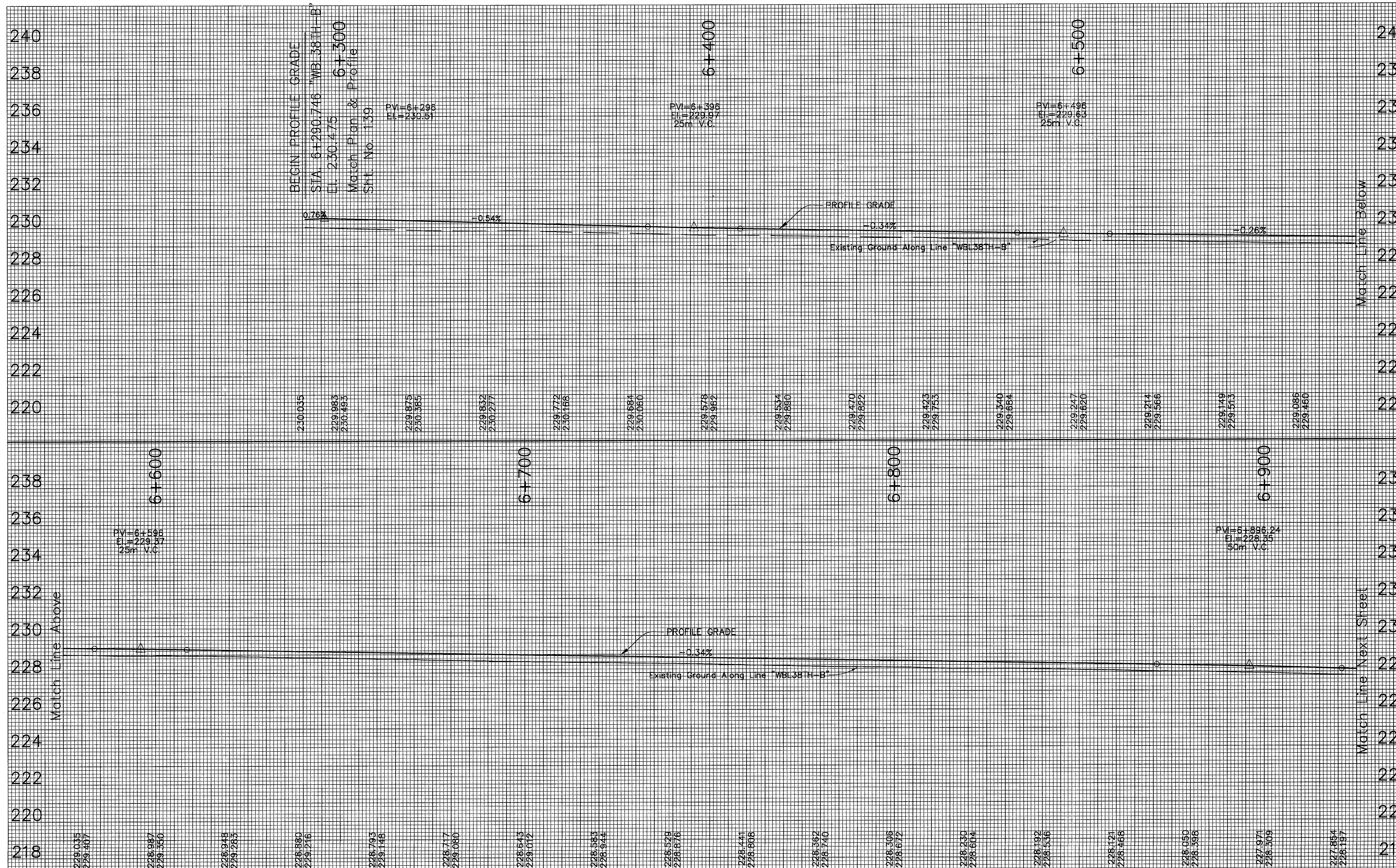


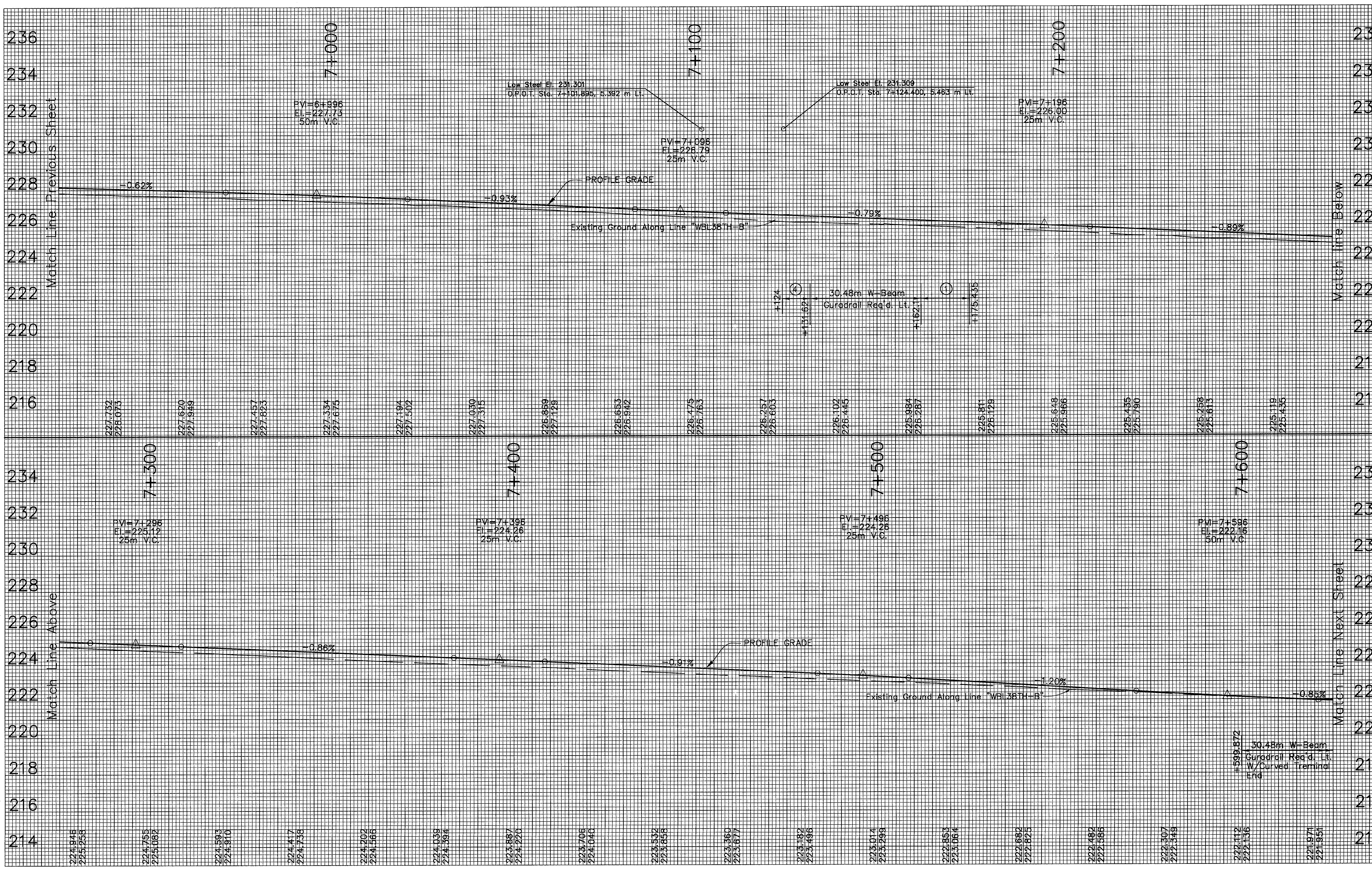
RECOMMENDED FOR APPROVAL	Stephen F. Weintraut, DESIGN ENGINEER, DATE 9/28/01
DESIGNED: H.F	DRAWN: J.M.
CHECKED: M.O.	CHECKED: B.Z.

Stephen F. Weintraut, Registered No. 16222, State of Indiana, Professional Engineer

INDIANA DEPARTMENT OF TRANSPORTATION

LINE "WBL38TH-B" RAMP PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	170 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



GUARDRAIL LEGEND

1. End Treatment Type "OS"
2. Guardrail Transition Type "TGB"
4. Guardrail Transition Type "GP"

STEPHEN F. WEINTRAUT
REGISTERED
No. 16222
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL: Stephen F. Weintraut (signature) — DESIGN ENGINEER — 9/28/01 DATE

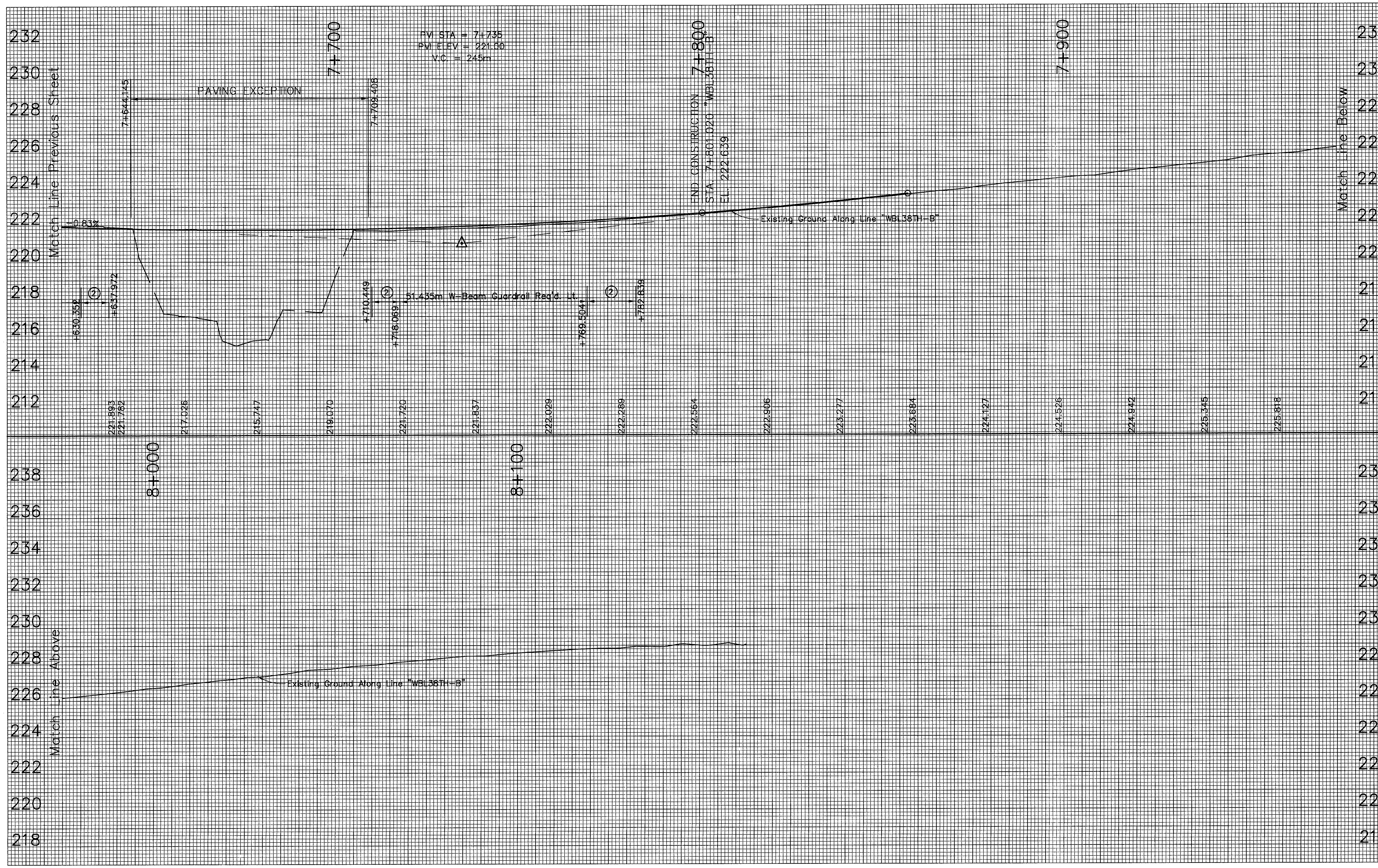
DESIGNED: H.F. DRAWN: J.M.

CHECKED: M.O. CHECKED: B.Z.

INDIANA
DEPARTMENT OF TRANSPORTATION

LINE "WBL38TH-B"
RAMP PROFILE

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 9614680
SURVEY BOOK	SHEETS 171 of 520
CONTRACT R-24327	PROJECT IM-65-3(281)118



GUARDRAIL LEGEND
① End Treatment Type "OS"
② Guardrail Transition Type "TGB"
④ Guardrail Transition Type "GP"

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

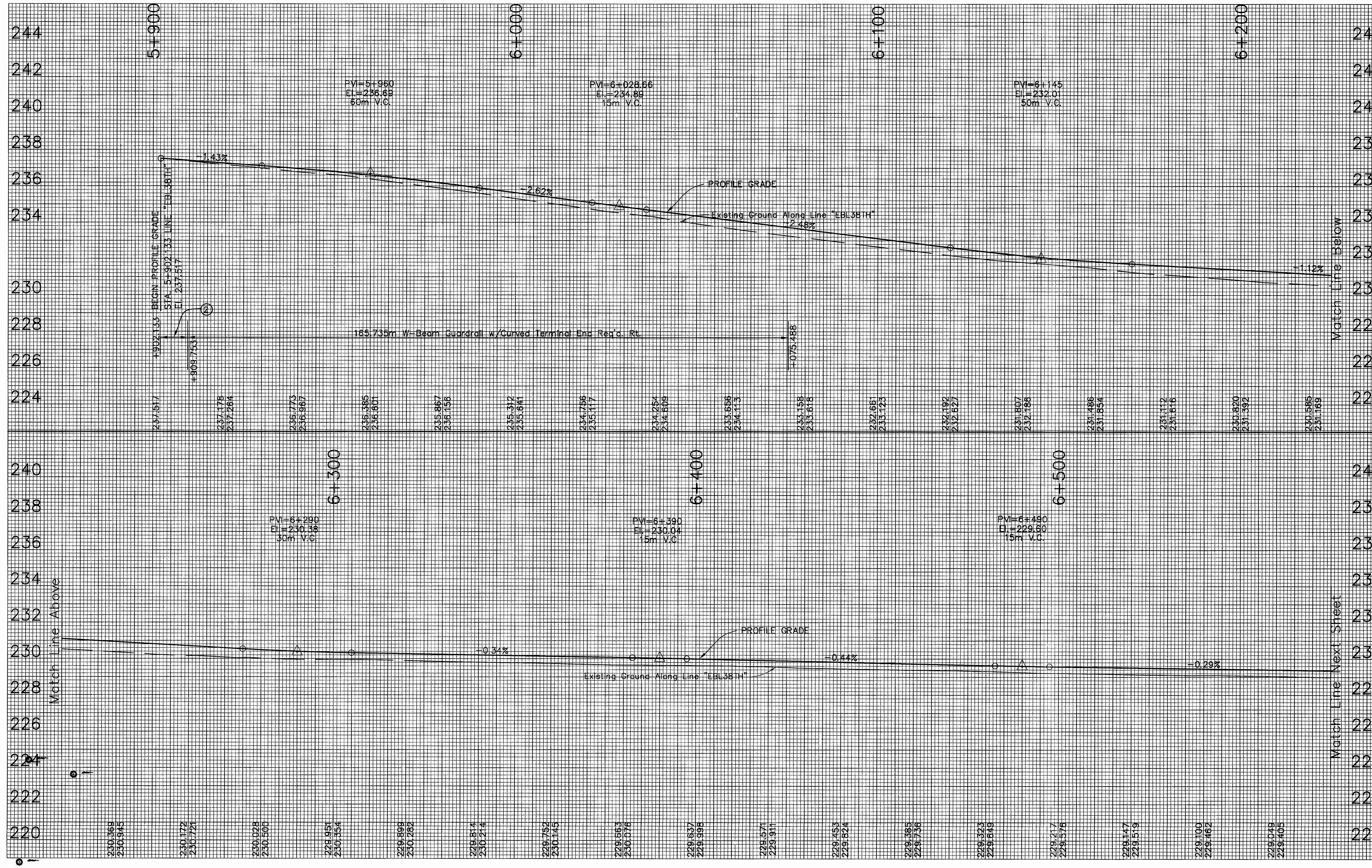
RECOMMENDED FOR APPROVAL: [signature] DESIGN ENGINEER 9/28/01 DATE

DESIGNED: H.F. DRAWN: J.M.
CHECKED: M.O. CHECKED: B.Z.

INDIANA DEPARTMENT OF TRANSPORTATION

LINE "WBL38TH-B" RAMP PROFILE

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 9614680
SURVEY BOOK	SHEETS 172 of 520
CONTRACT R-24327	PROJECT IM-65-3(281)118



GUARDRAIL LEGEND

1. End Treatment Type "OS"
2. Guardrail Transition Type "TGB"
4. Guardrail Transition Type "GP"

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

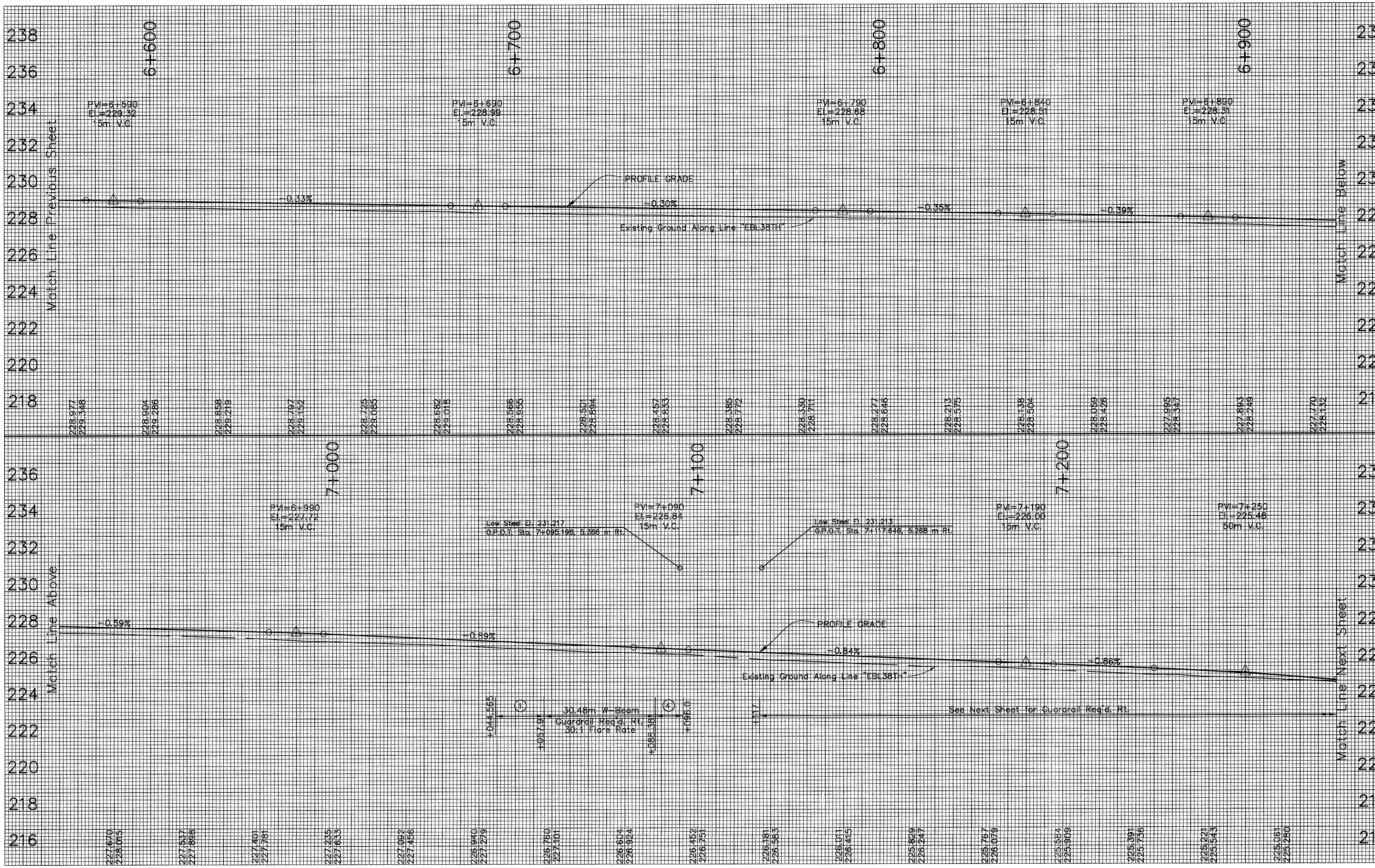
RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

DESIGNED: H.F. DRAWN: J.M.
CHECKED: M.O. CHECKED: B.Z.

INDIANA DEPARTMENT OF TRANSPORTATION

LINE "EBL38TH" RAMP PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	173 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



GUARDRAIL LEGEND
① End Treatment Type "OS"
② Guardrail Transition Type "TGB"
④ Guardrail Transition Type "GP"

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

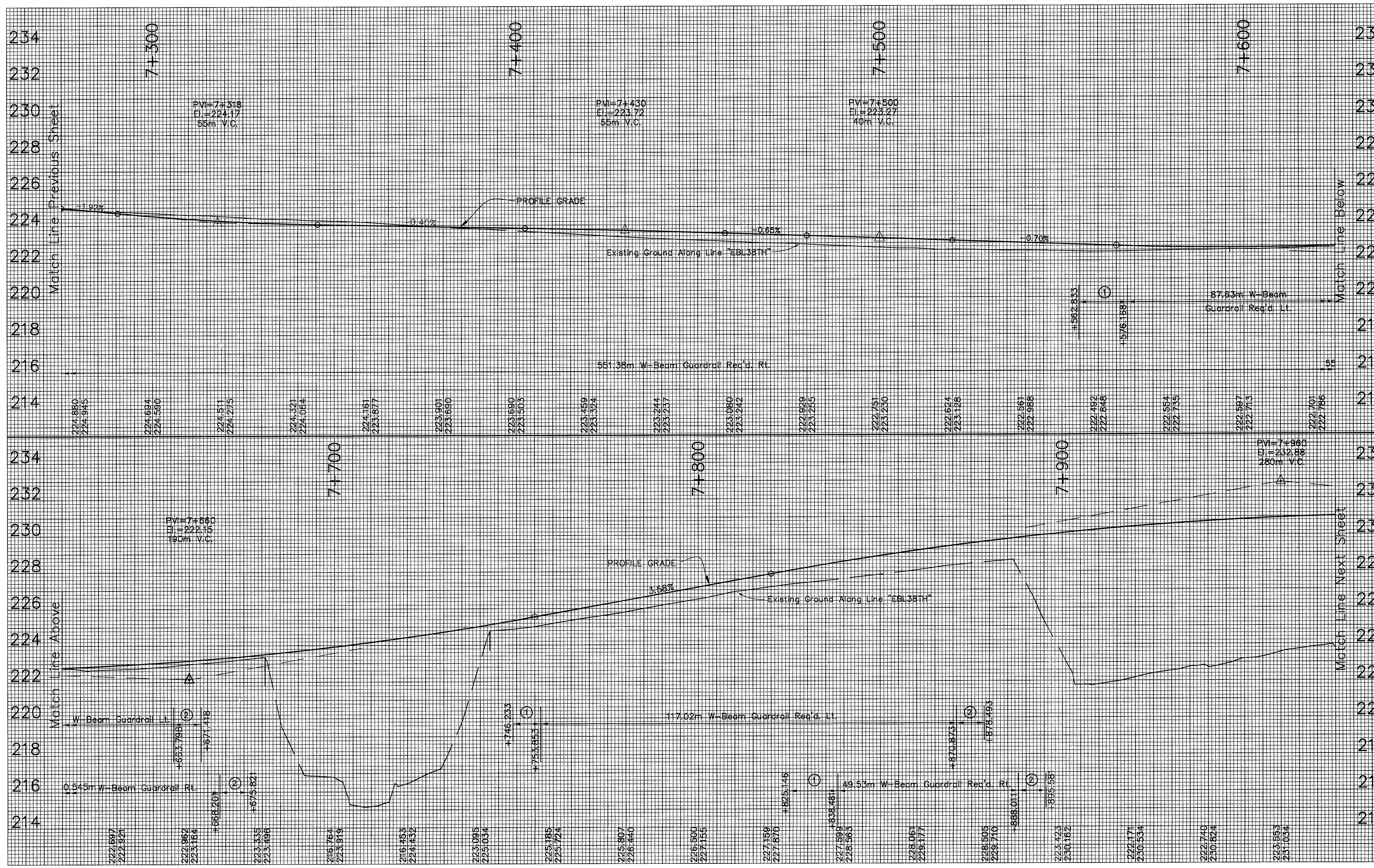
RECOMMENDED FOR APPROVAL: Stephen F. Weintraut 9/28/01
DESIGN ENGINEER DATE

DESIGNED: H.F. DRAWN: J.M.
CHECKED: M.O. CHECKED: B.Z.

INDIANA
DEPARTMENT OF TRANSPORTATION

LINE "EBL38TH"
RAMP PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	174 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



GUARDRAIL LEGEND

① End Treatment Type "OS"
② Guardrail Transition Type "TGB"
④ Guardrail Transition Type "GP"

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

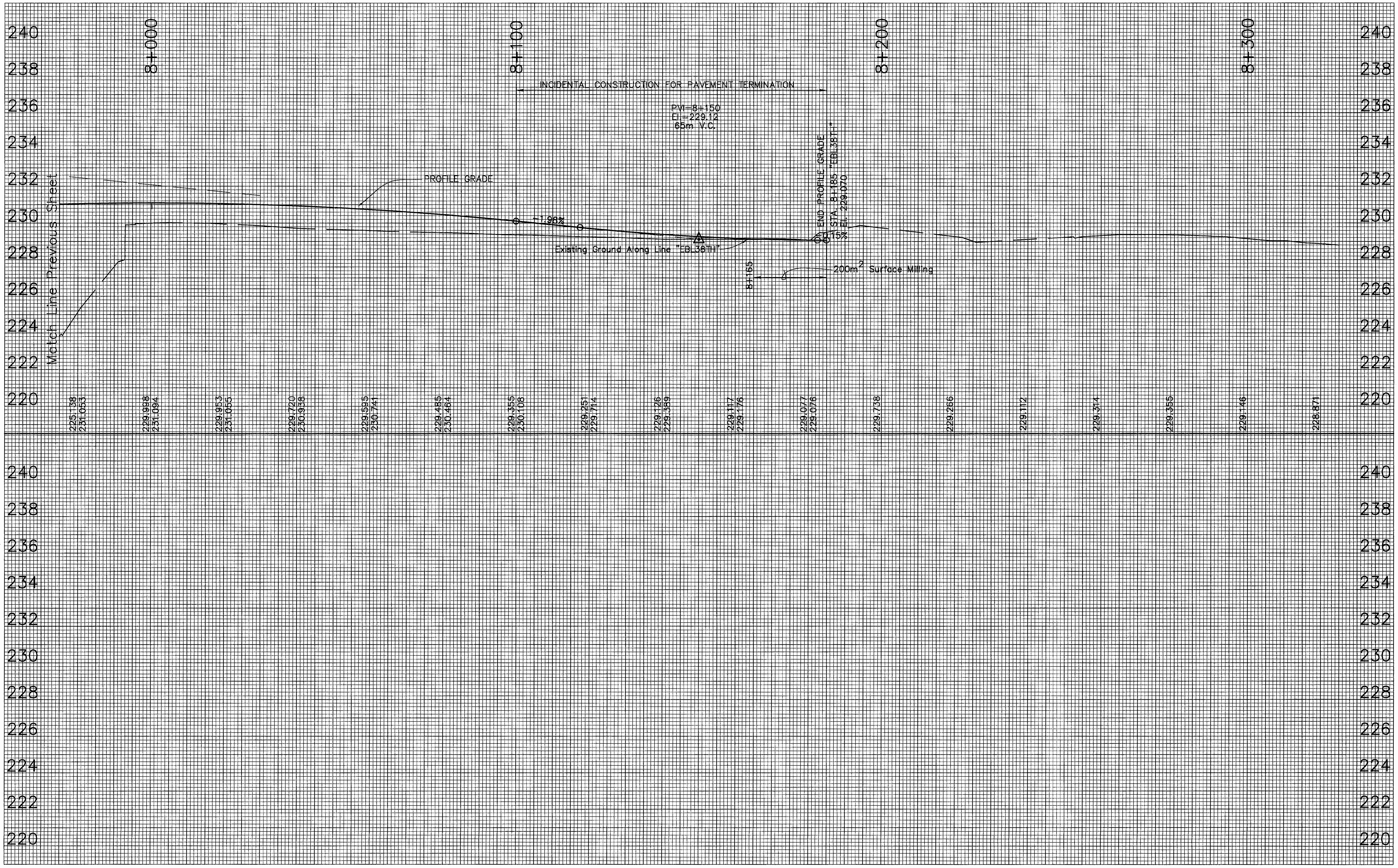
RECOMMENDED FOR APPROVAL Stephen F. Weintraut 9/28/01
DESIGN ENGINEER DATE

DESIGNED: H.F. DRAWN: J.M.
CHECKED: M.O. CHECKED: B.Z.

INDIANA
DEPARTMENT OF TRANSPORTATION

LINE "EBL38TH"
RAMP PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	175 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



GUARDRAIL LEGEND

(1) End Treatment Type "OS"
(2) Guardrail Transition Type "TGB"
(4) Guardrail Transition Type "GP"

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

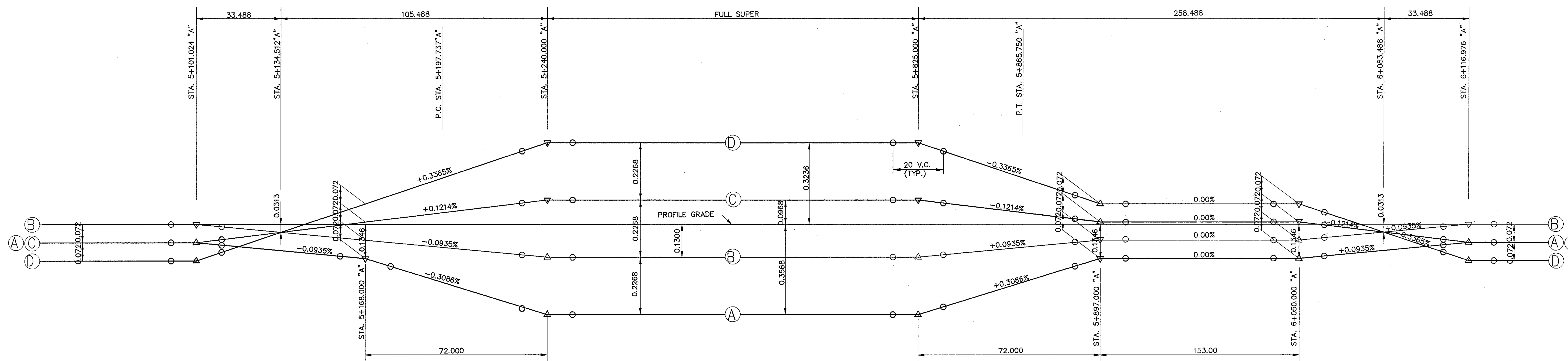
RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

DESIGNED: H.F. DRAWN: J.M.
CHECKED: M.O. CHECKED: B.Z.

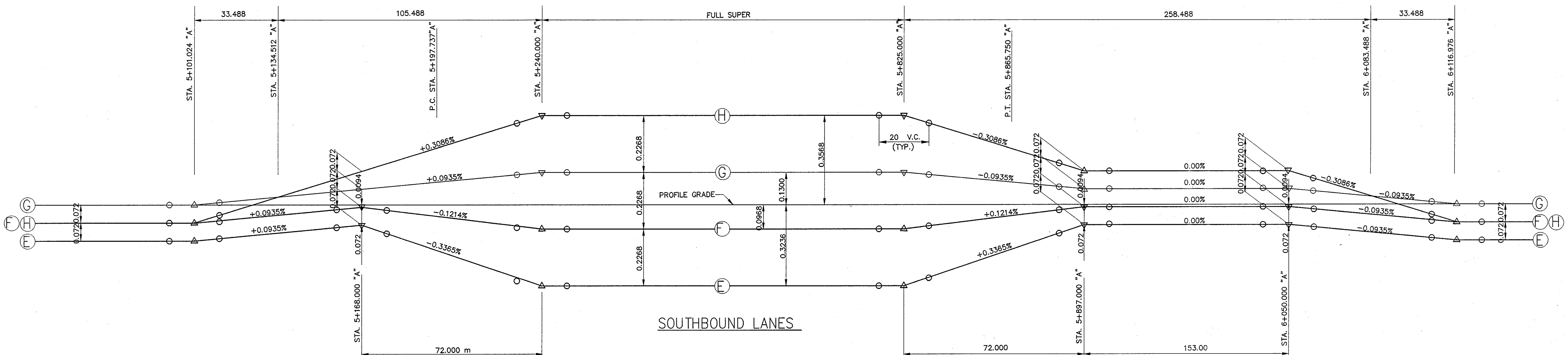
INDIANA
DEPARTMENT OF TRANSPORTATION

LINE "EBL38TH"
RAMP PROFILE

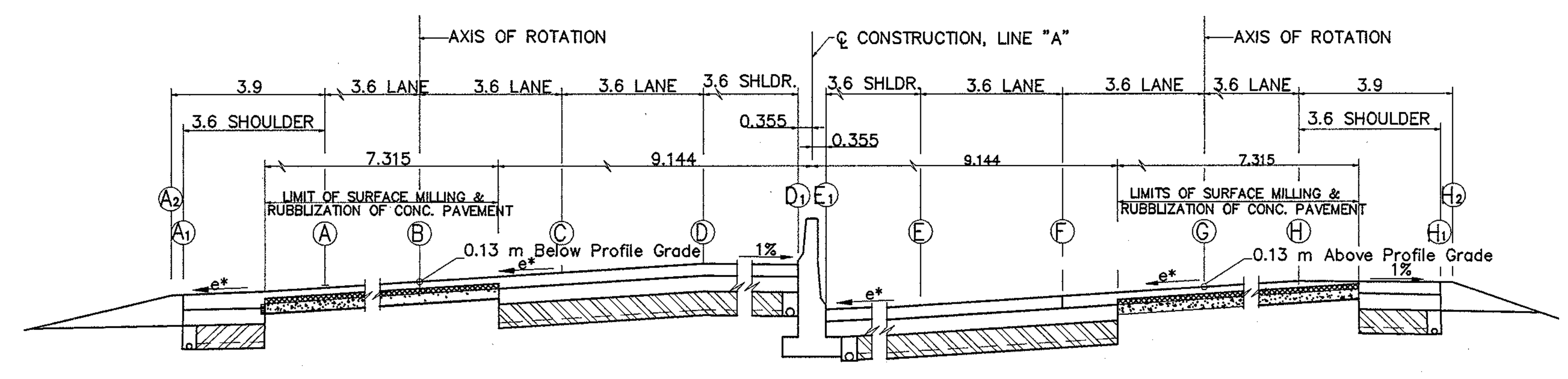
HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	176 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



NORTHBOUND LANES



SOUTHBOUND LANES



TYPICAL SECTION

P.I. STA. 5+559.762 "A"
R= 698.550 m
Se= 6.30%

BRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

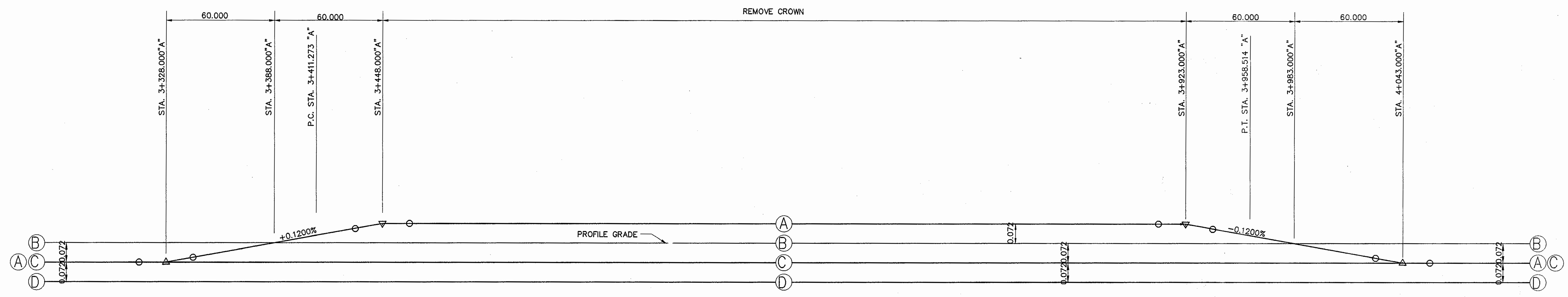
DESIGNED:	RDS	DRAWN:	RDS
CHECKED:	AS	CHECKED:	AS

INDIANA
DEPARTMENT OF TRANSPORTATION

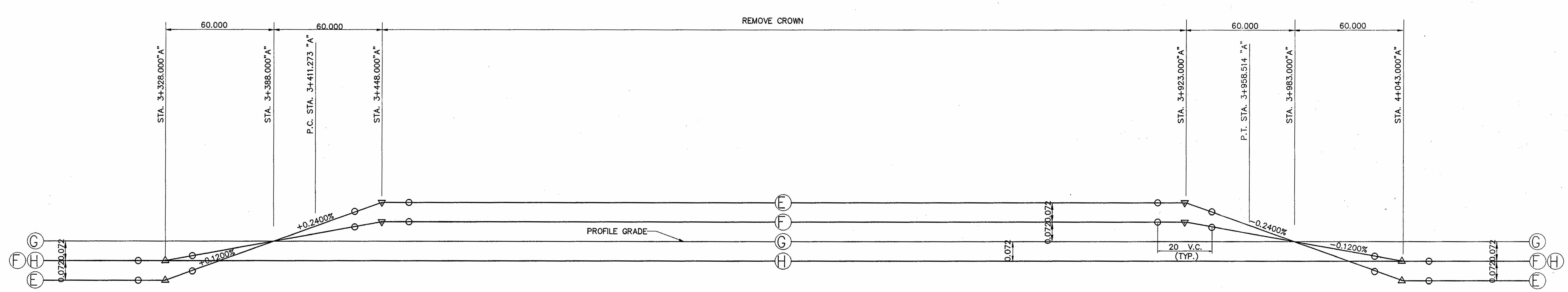
SUPERELEVATION DIAGRAM
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
NO SCALE	
VERTICAL SCALE	DESIGNATION
NO SCALE	9614680
SURVEY BOOK	SHEETS
	182 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

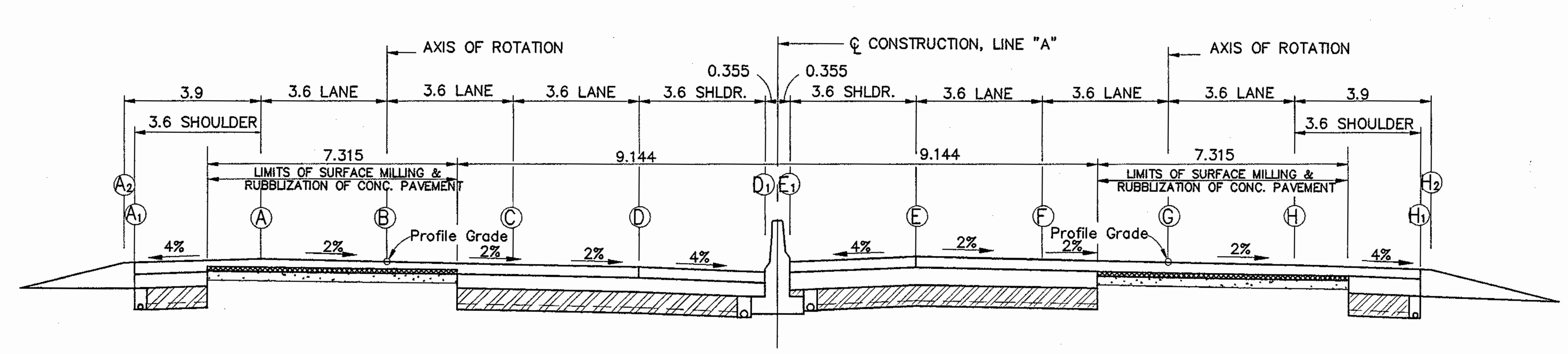
Time: 10:54:30
Date: 8/23/2001
Scale: 1=25



NORTHBOUND LANES



SOUTHBOUND LANES



TYPICAL SECTION

P.I. STA. 3+685.455 "A"
R= 3492.751 m
Se= R.C.

IBRAHIM SWIDAN
REGISTERED
No. PE19600226
STATE OF INDIANA
PROFESSIONAL ENGINEER

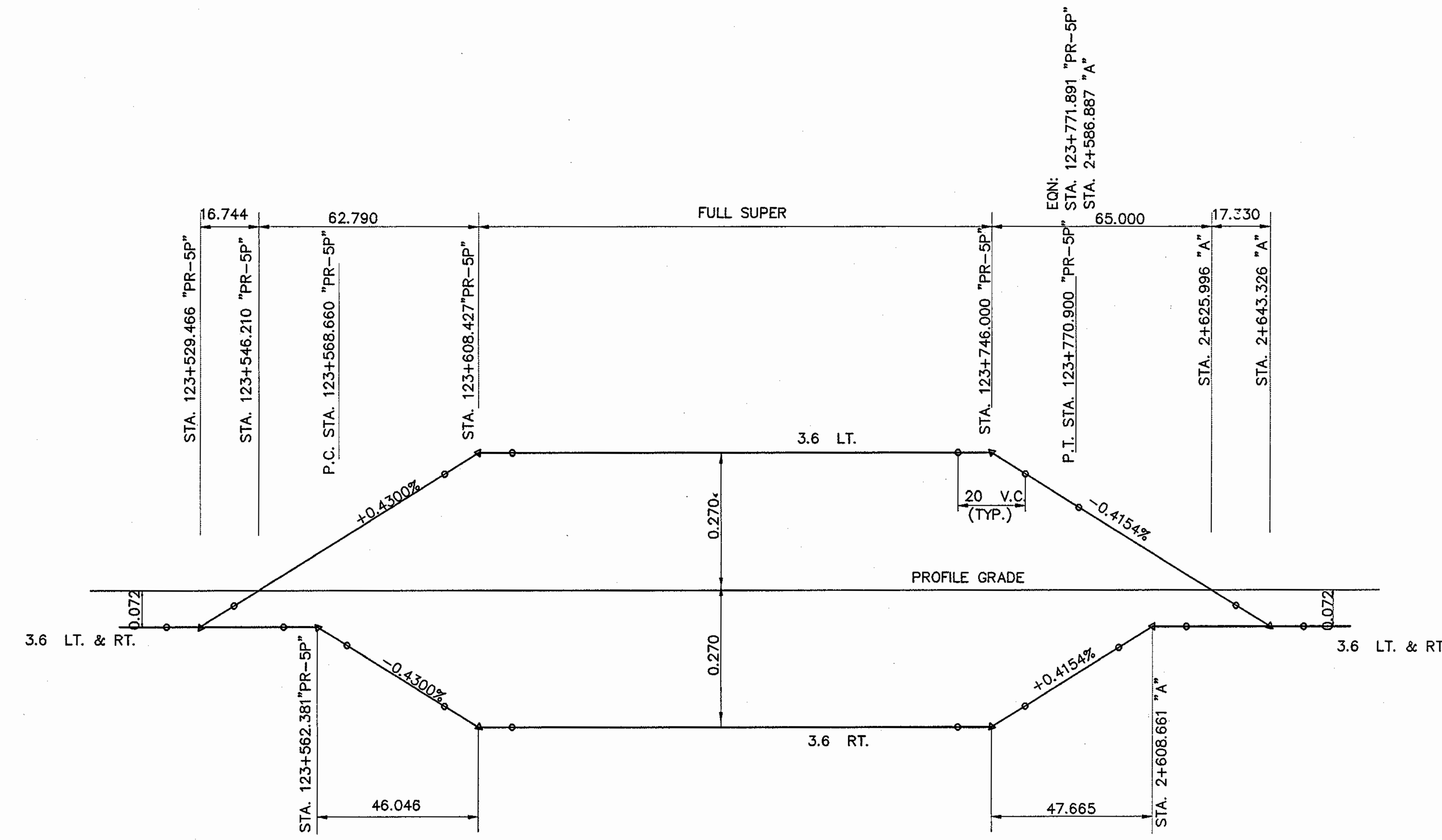
RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

DESIGNED: RDS	DRAWN: RDS
CHECKED: AS	CHECKED: AS

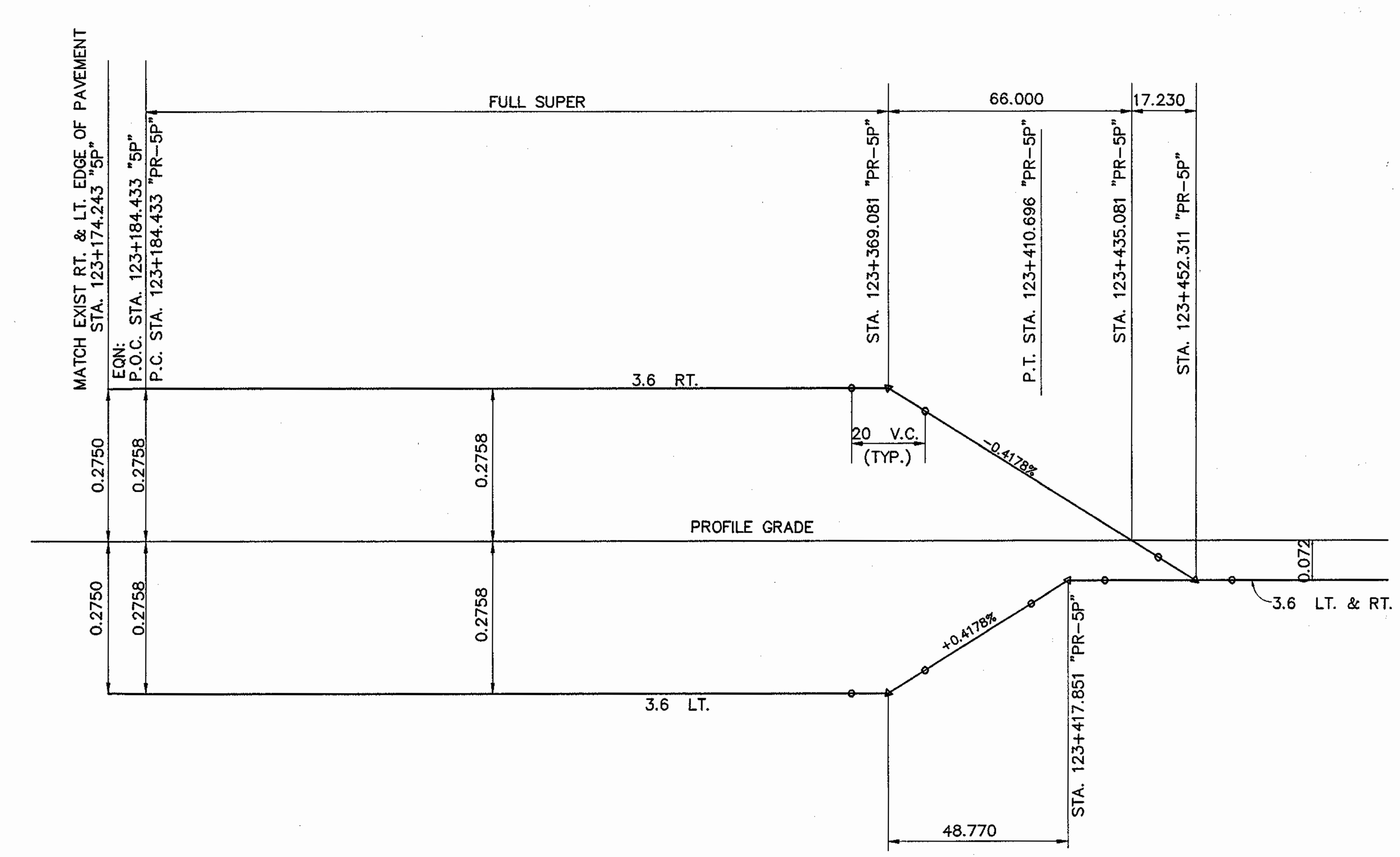
INDIANA
DEPARTMENT OF TRANSPORTATION

SUPERELEVATION DIAGRAM
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
NO SCALE	
VERTICAL SCALE	DESIGNATION
NO SCALE	9614680
SURVEY BOOK	SHEETS
	181 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



P.I. STA. 123+671.100 "PR-5P"
R= 515.000 m
Se= 7.50%



P.I. STA. 123+299.662 "PR-5P"
R= 485.000 m
Se= 7.66%

REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER — IBRAHIM SWIDAN

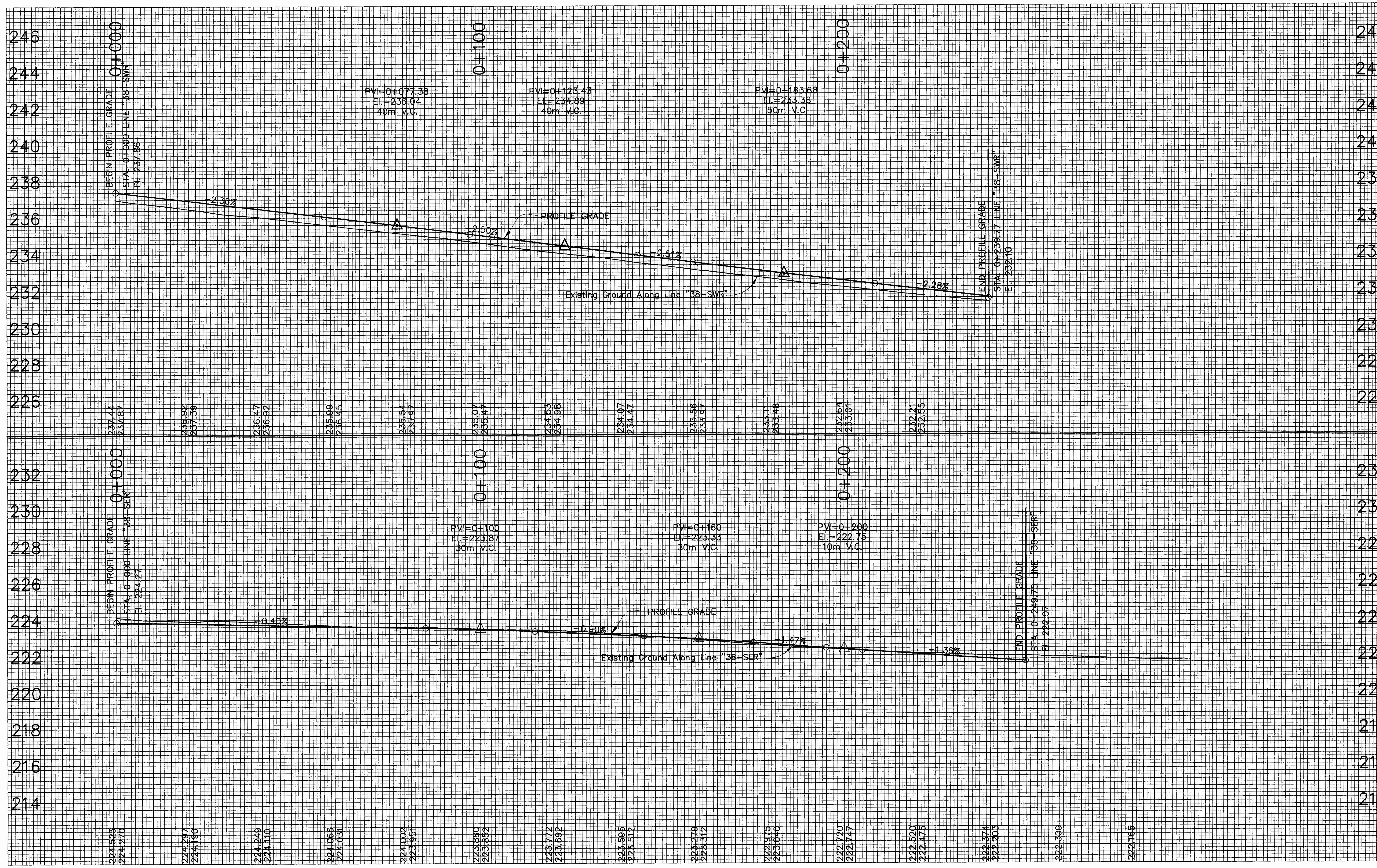
RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

DESIGNED: RDS DRAWN: RDS
CHECKED: AS CHECKED: AS

INDIANA
DEPARTMENT OF TRANSPORTATION

SUPERELEVATION DIAGRAM
LINE "PR-5P"

HORIZONTAL SCALE	BRIDGE FILE
NO SCALE	
VERTICAL SCALE	DESIGNATION
NO SCALE	9614680
SURVEY BOOK	SHEETS
	180 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

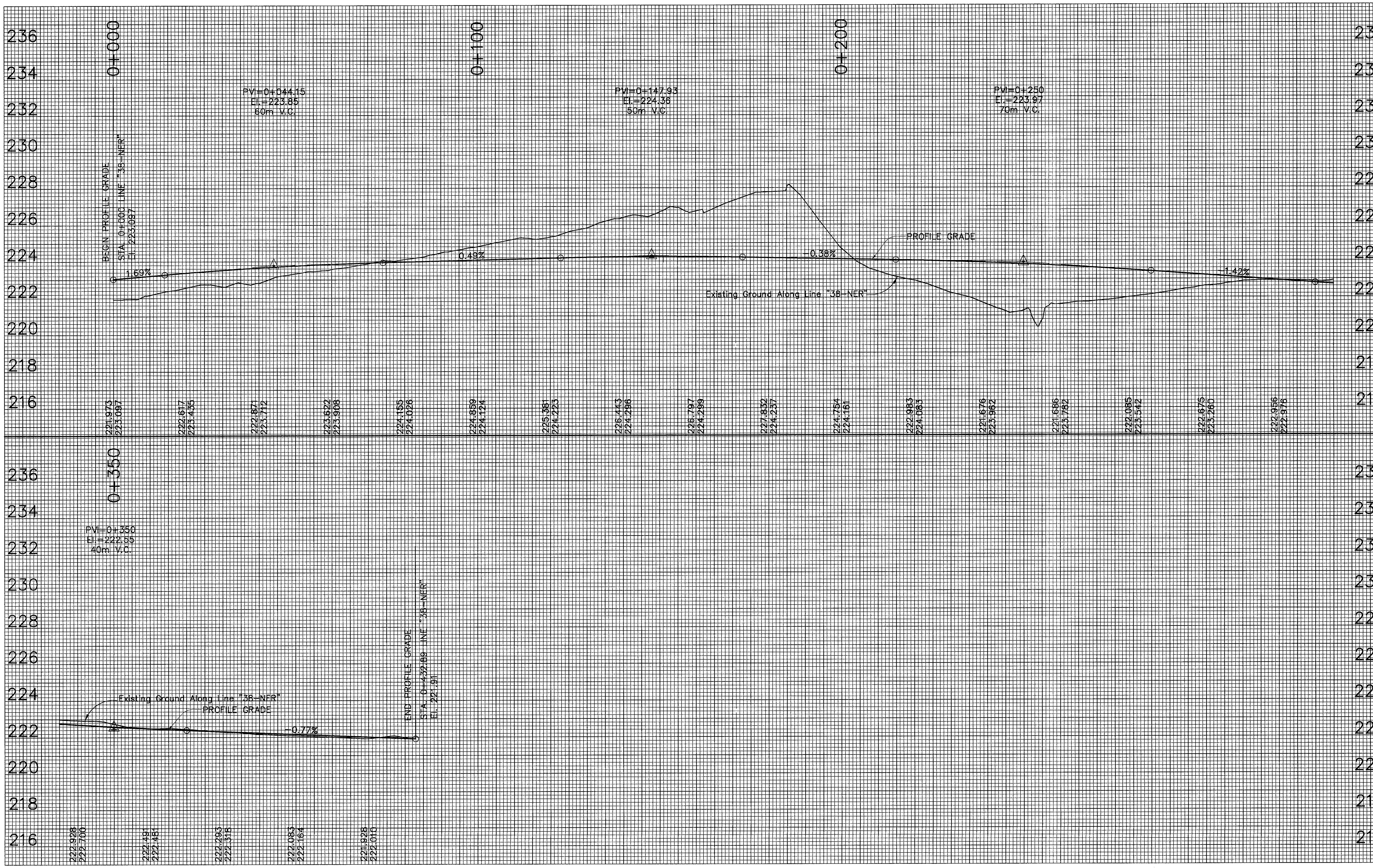
RECOMMENDED FOR APPROVAL Stephen F. Weintraut 9/28/01
DESIGN ENGINEER DATE

DESIGNED: H.F. DRAWN: J.M.
CHECKED: M.O. CHECKED: B.Z.

INDIANA DEPARTMENT OF TRANSPORTATION

LINE "38-SWR" & "38-SER" RAMP PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	178 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



STEPHEN F. WEINTRAUT
REGISTERED
No. 16222
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL: Stephen F. Weintraut (signature) — DESIGN ENGINEER — 9/28/01 DATE

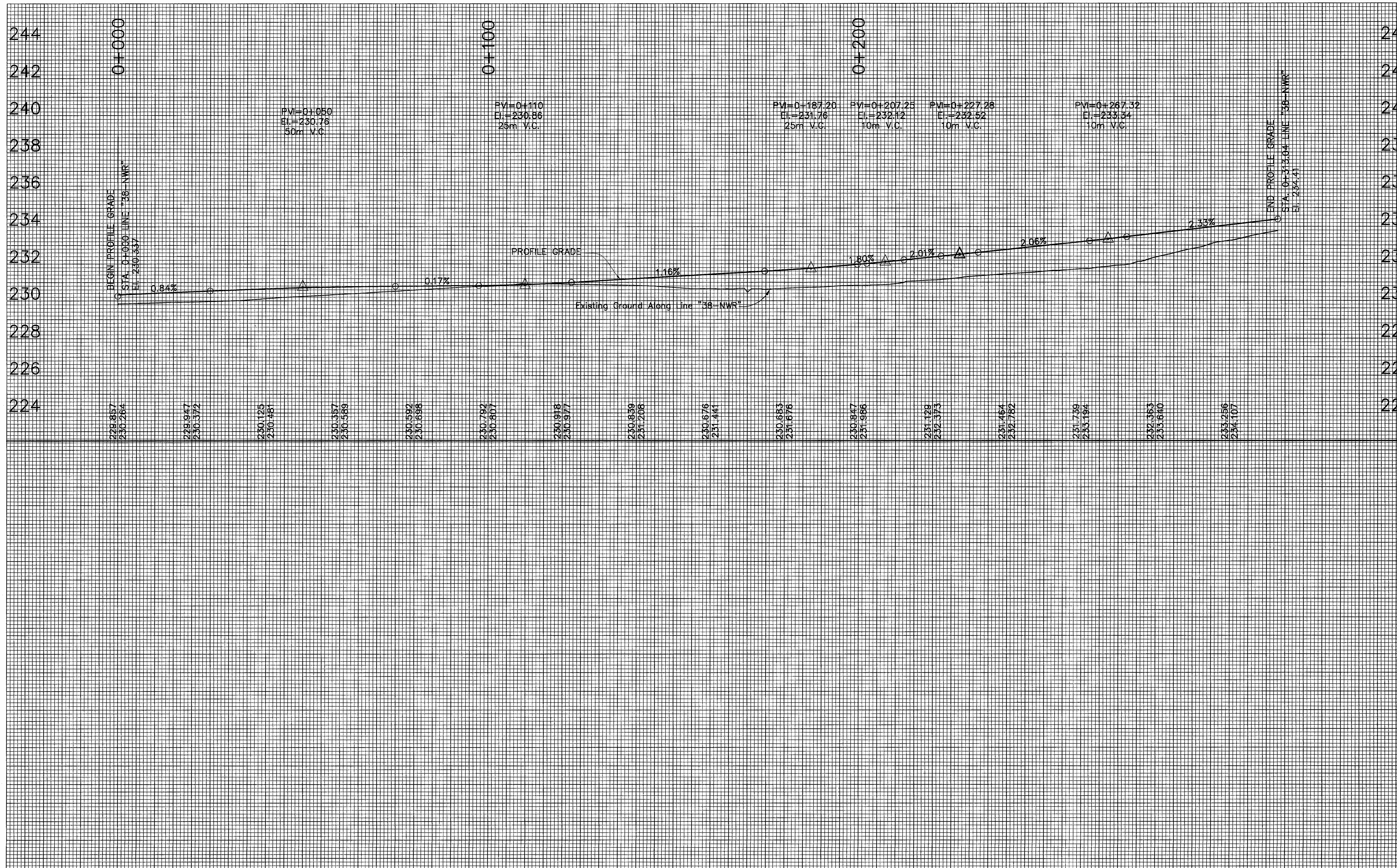
DESIGNED: H.F. DRAWN: J.M.

CHECKED: M.O. CHECKED: B.Z.

INDIANA DEPARTMENT OF TRANSPORTATION

LINE "38-NER" RAMP PROFILE

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:100	DESIGNATION 9614680
SURVEY BOOK	SHEETS 177 of 520
CONTRACT R-24327	PROJECT IM-65-3(281)118



STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

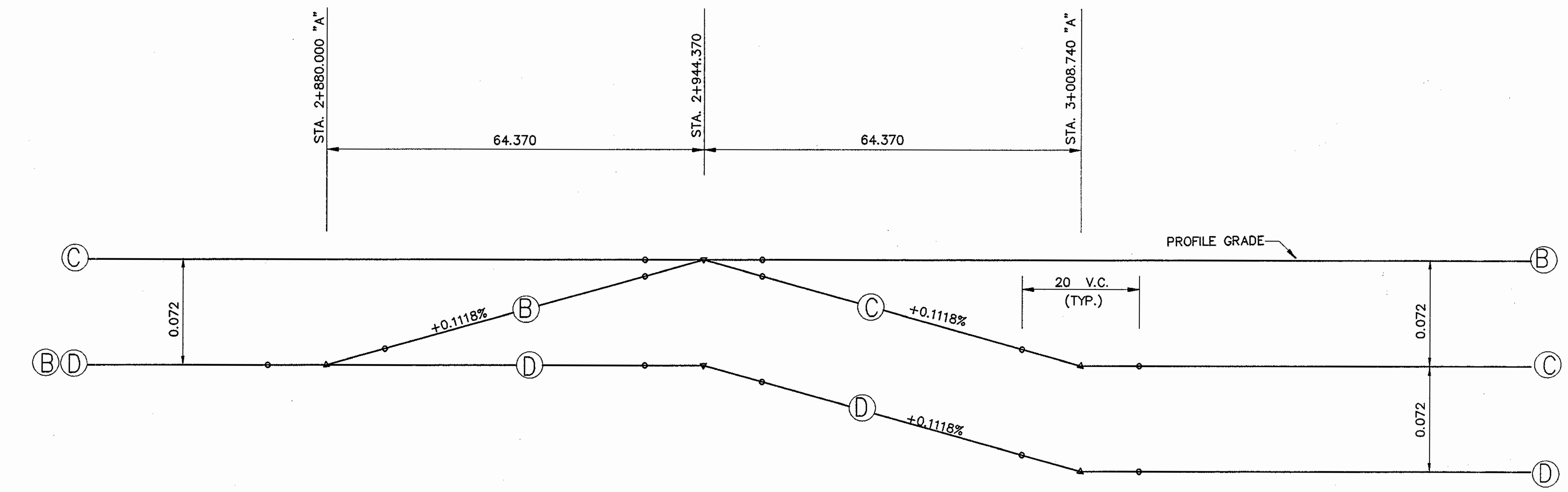
RECOMMENDED FOR APPROVAL Stephen F. Weintraut 9/28/01
DESIGN ENGINEER DATE

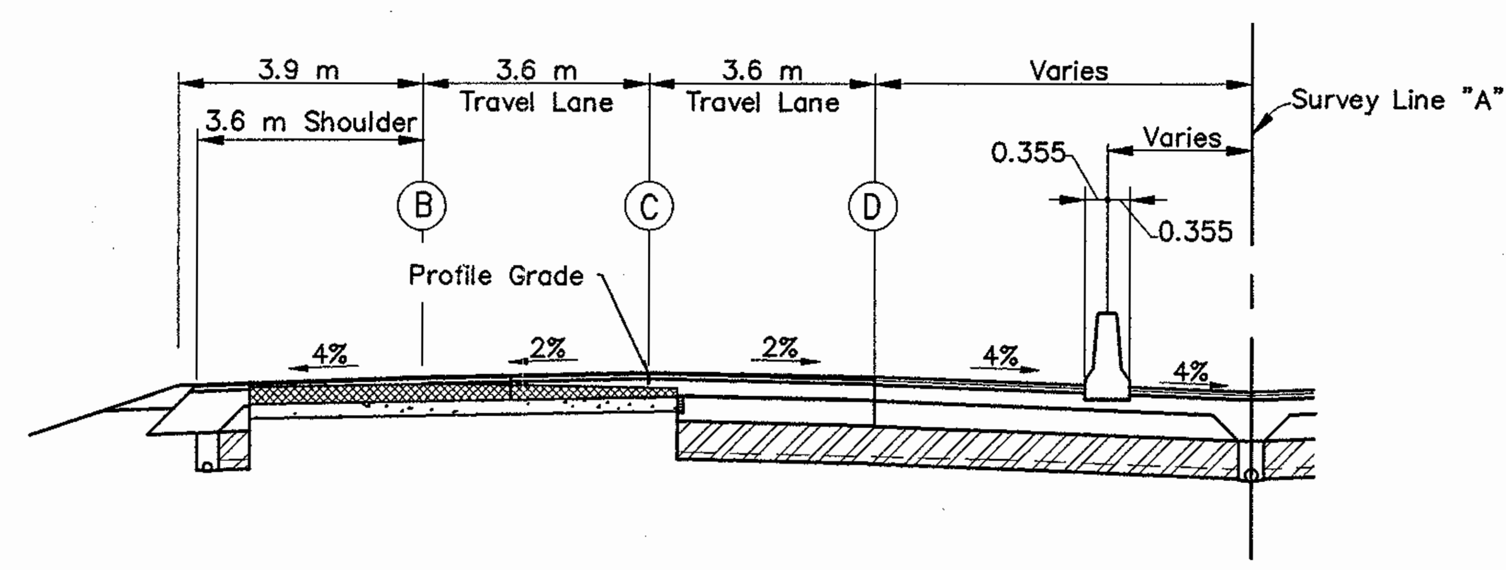
DESIGNED: H.F.	DRAWN: J.M.
CHECKED: M.O.	CHECKED: B.Z.

INDIANA
DEPARTMENT OF TRANSPORTATION

LINE "38-NWR"
RAMP PROFILE

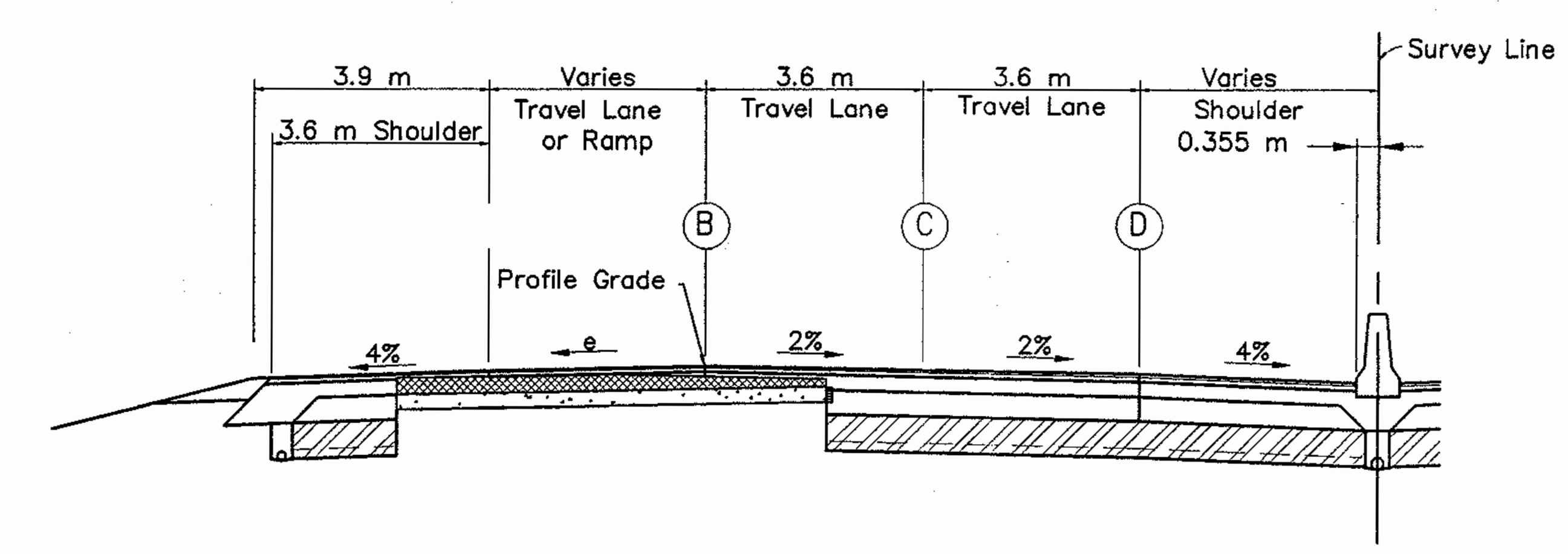
HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:100	9614680
SURVEY BOOK	SHEETS
	179 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



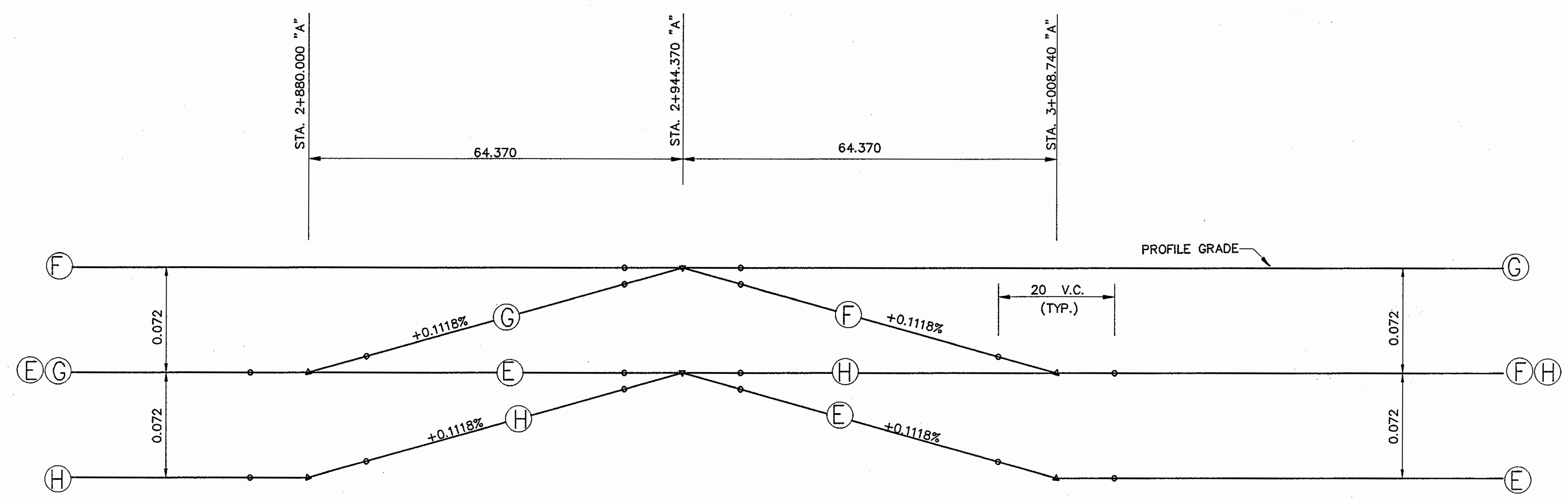


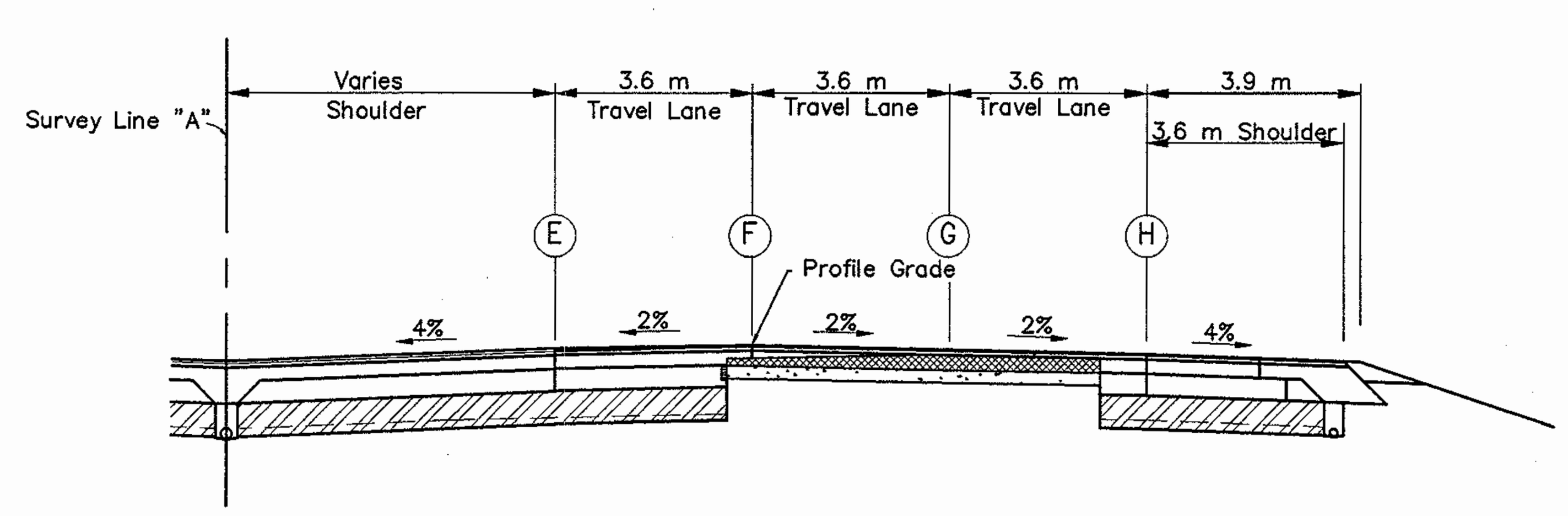
CROWN AND PROFILE GRADE LOCATION AT STA. 2+880.000 "A" BACK

NORTHBOUND LANES



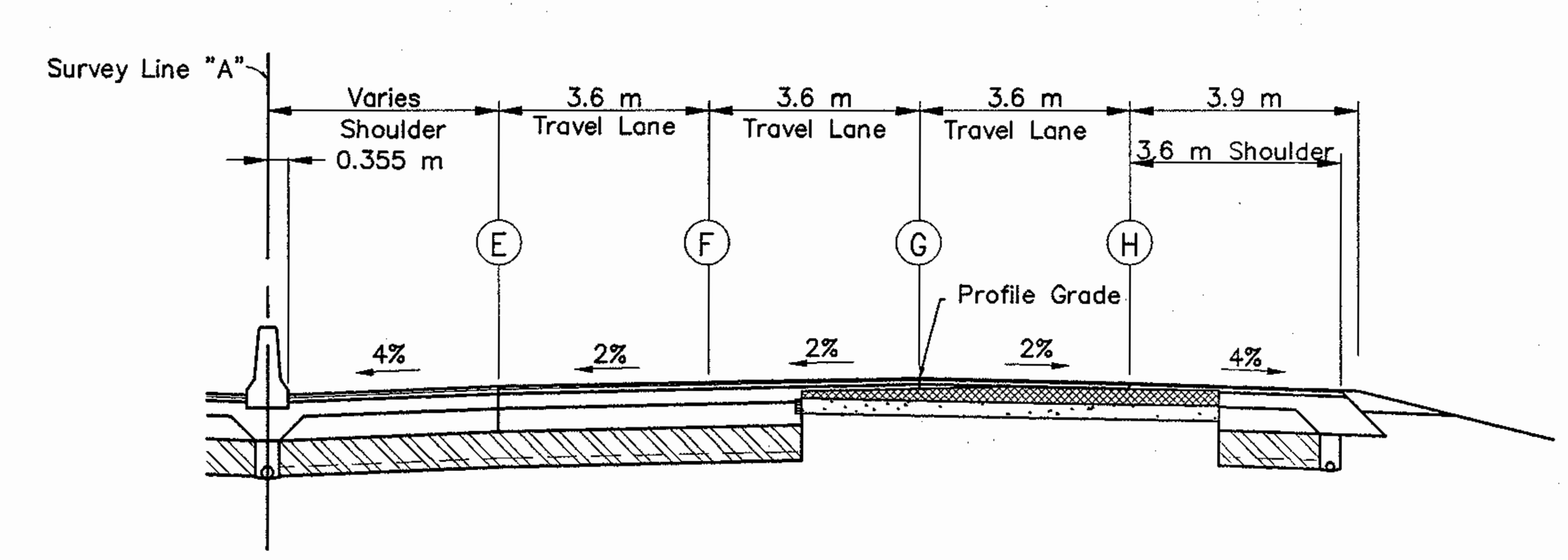
CROWN AND PROFILE GRADE LOCATION AT STA. 3+008.740 "A" AHEAD





CROWN AND PROFILE GRADE LOCATION AT STA. 2+880.000 "A" BACK

SOUTHBOUND LANES



CROWN AND PROFILE GRADE LOCATION AT STA. 3+008.740 "A" AHEAD

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

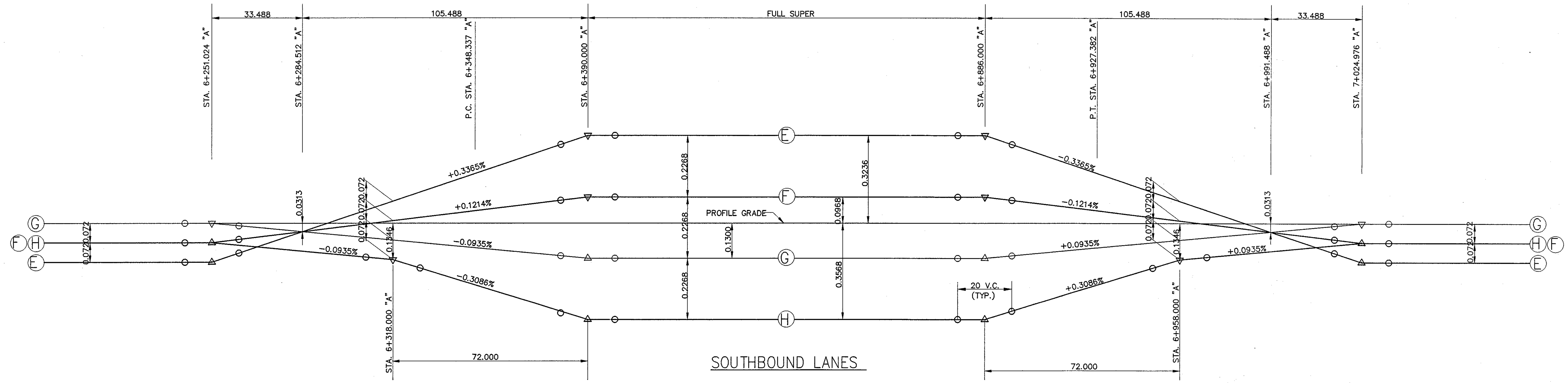
RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

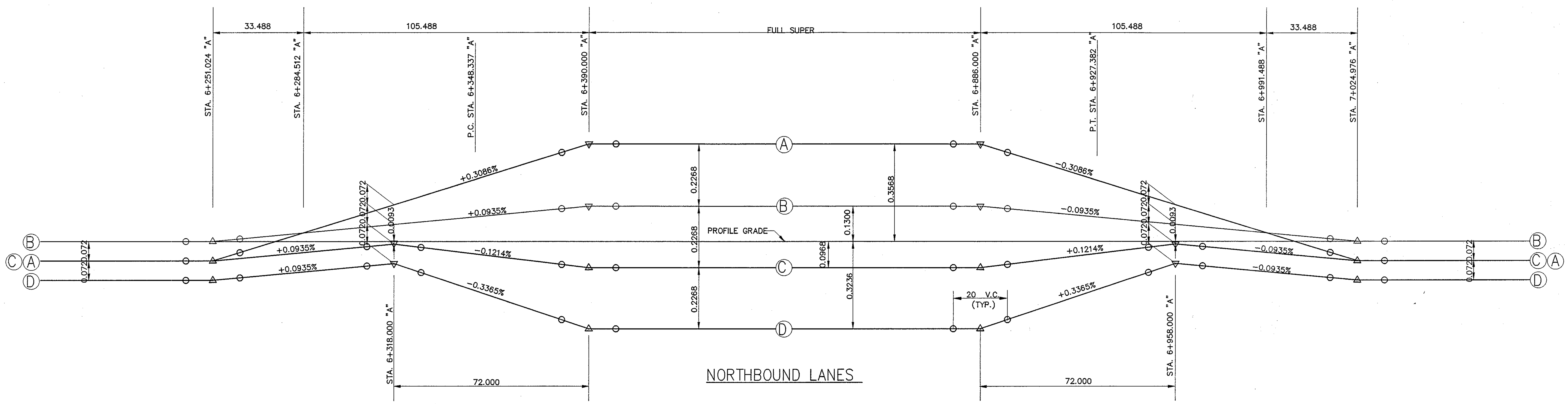
DESIGNED:	RDS	DRAWN:	RDS
CHECKED:	AS	CHECKED:	AS

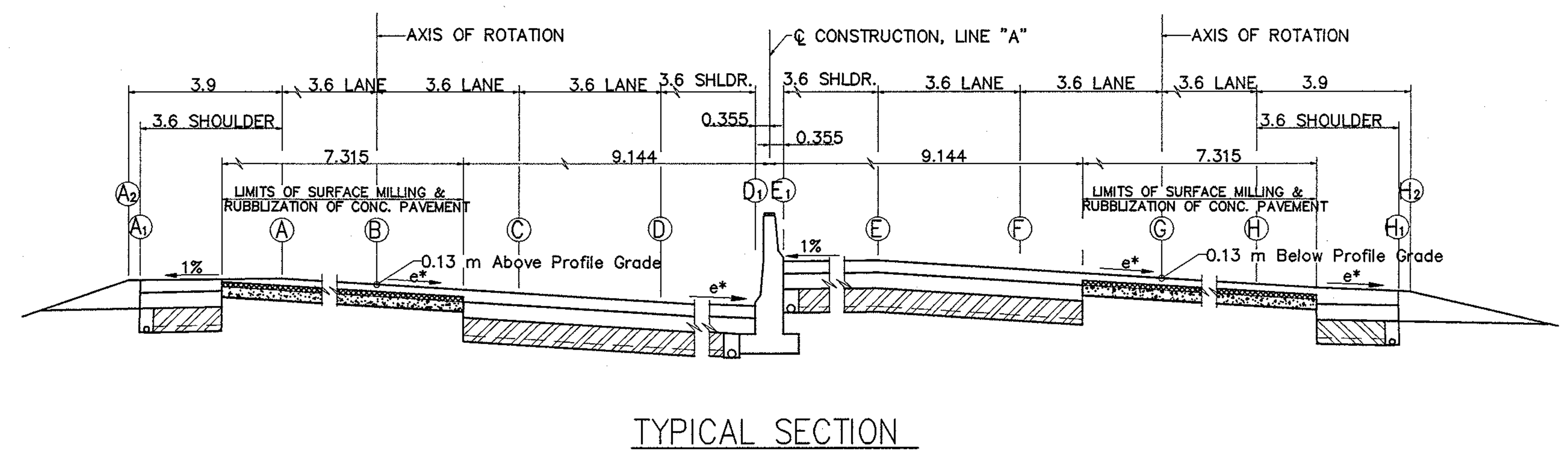
INDIANA DEPARTMENT OF TRANSPORTATION

CROWN TRANSITION DIAGRAM LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
NO SCALE	
VERTICAL SCALE	DESIGNATION
NO SCALE	9614680
SURVEY BOOK	SHEETS
	180 A of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118







P.I. STA. 6+655.662 "A"
R= 698.550 m
Se= 6.30%

REGISTERED PROFESSIONAL ENGINEER No. PE19600226 STATE OF INDIANA — IBRAHIM SWIDAN

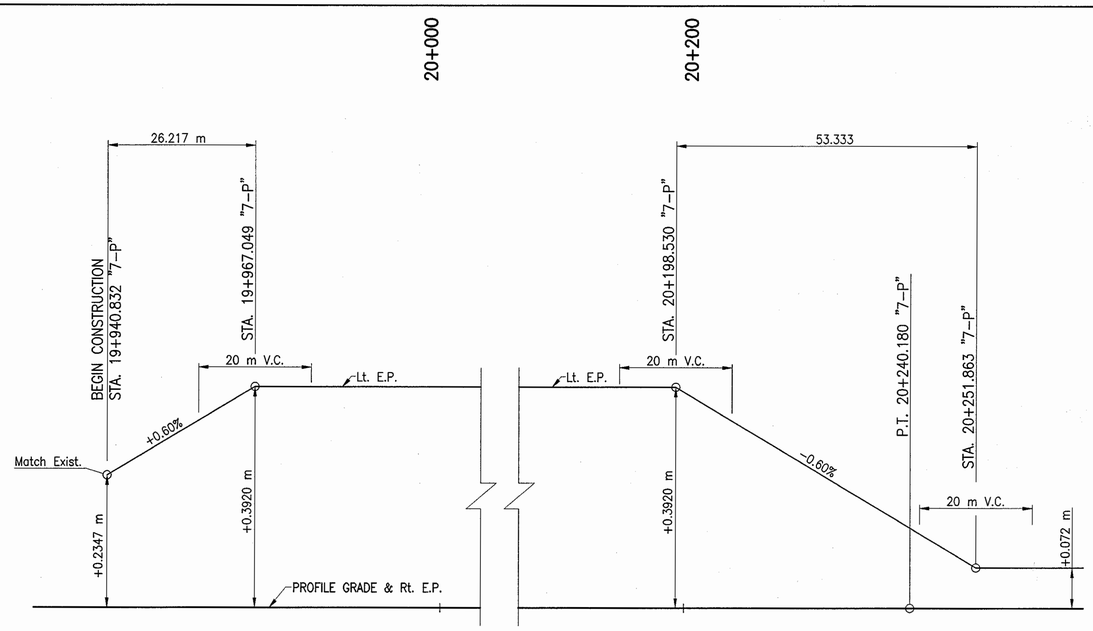
RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 9/28/01

DESIGNED: RDS | DRAWN: RDS
CHECKED: AS | CHECKED: AS

INDIANA DEPARTMENT OF TRANSPORTATION

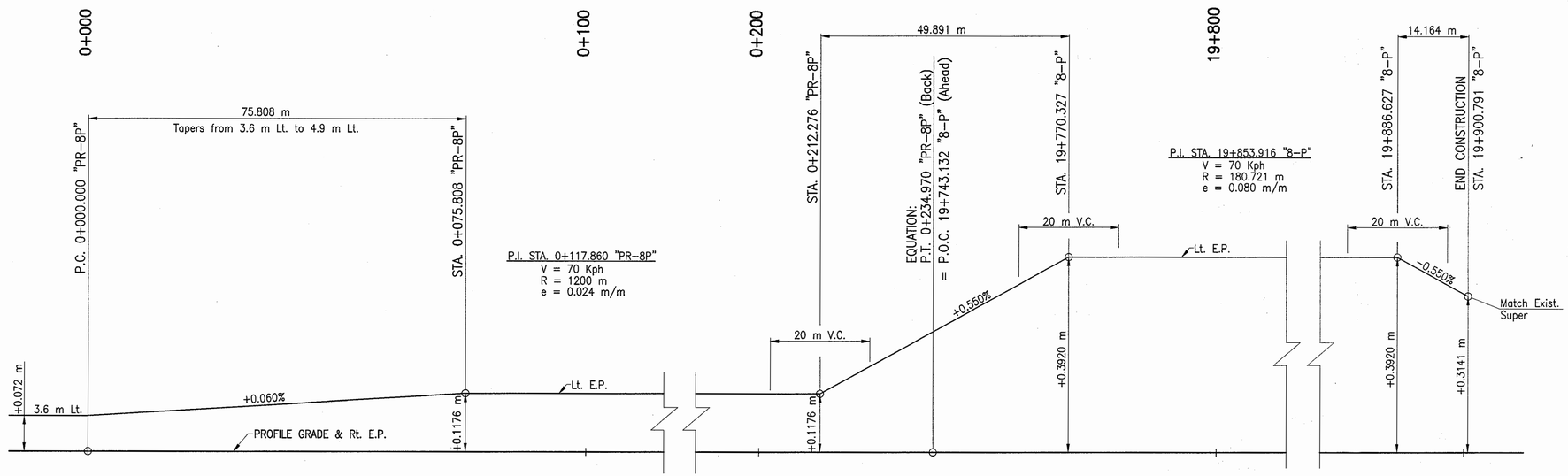
SUPERELEVATION DIAGRAM LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
NO SCALE	
VERTICAL SCALE	DESIGNATION
NO SCALE	9614680
SURVEY BOOK	SHEETS
	183 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



LINE "7–P"

P.I. STA. 19+965.812 "7–P" – R = 124.741 m
P.I. STA. 20+082.175 "7–P" – R = 63.398 m
P.I. STA. 20+164.984 "7–P" – R = 63.398 m
P.I. STA. 20+219.663 "7–P" – R = 124.741 m
V = 60 Kph
e = 0.080 m/m



LINE "8–P" & "PR–8P"

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Date: 9/6/2001
Scale: 1"=500
Drawing File: K:\Drive\data\proj\375\myterpol\SUPERELEVATION DIAGRAMS\SUPER-184.dwg (JCowan)

IBRAHIM SWIAN
REGISTERED
No. PE19600226
STATE OF INDIANA
PROFESSIONAL ENGINEER

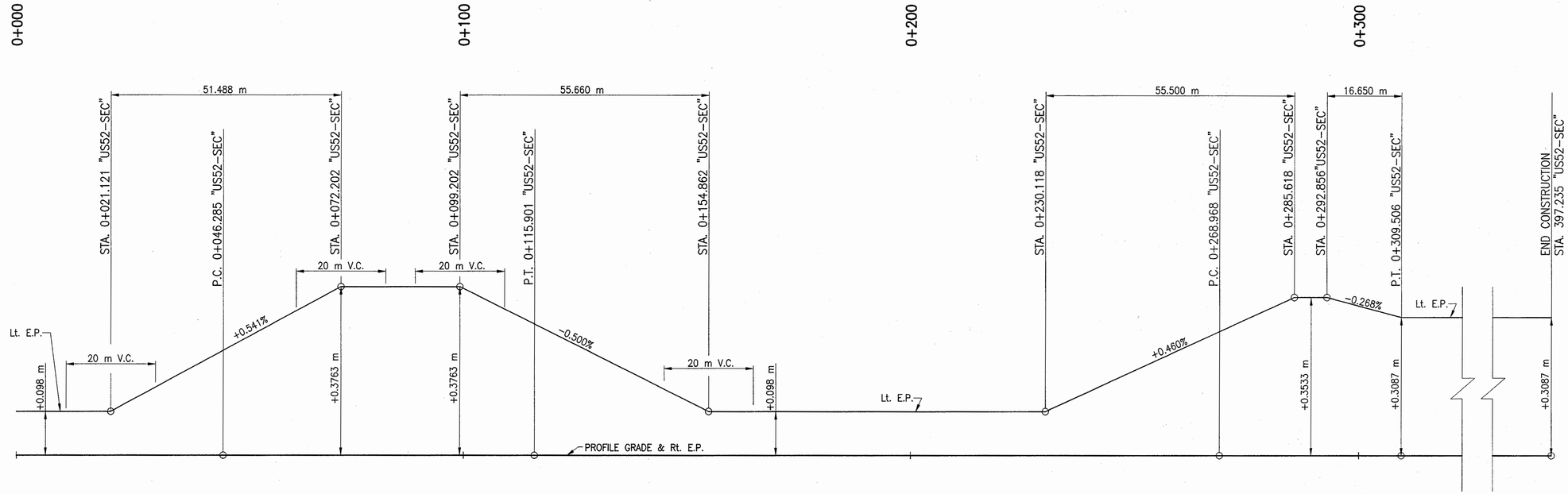
RECOMMENDED FOR APPROVAL _____ 9/28/01
DESIGN ENGINEER — DATE

DESIGNED: JAT | DRAWN: JWM
CHECKED: MAE | CHECKED: JAT

INDIANA
DEPARTMENT OF TRANSPORTATION

SUPERELEVATION DIAGRAMS
I-465 INTERCHANGE

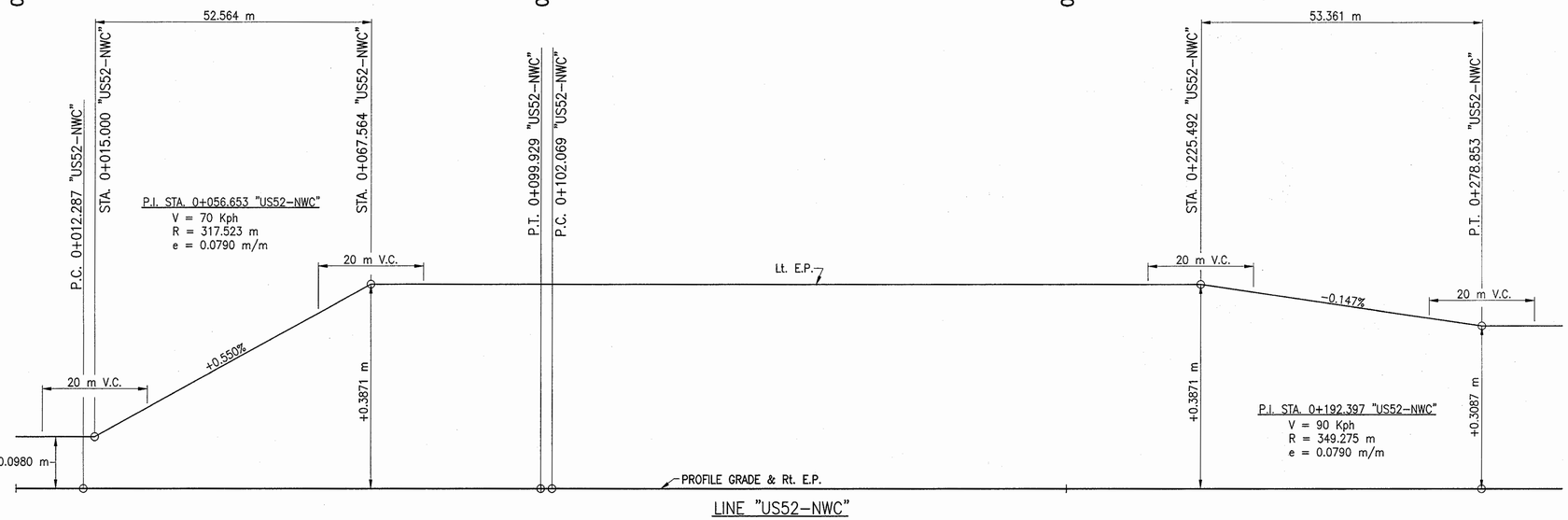
HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:5	9614680
SURVEY BOOK	SHEETS
	184 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



P.I. STA. 0+081.391 "US52-SEC"
V = 70 Kph
R = 218.297 m
e = 0.0768 m/m

P.I. STA. 0+289.252 "US52-SEC"
V = 90 Kph
R = 436.594 m
e = 0.0721 m/m

LINE "US52-SEC"



P.I. STA. 0+056.653 "US52-NWC"
V = 70 Kph
R = 317.523 m
e = 0.0790 m/m

P.I. STA. 0+192.397 "US52-NWC"
V = 90 Kph
R = 349.275 m
e = 0.0790 m/m

LINE "US52-NWC"

IBRAHIM ALI SWIDAN
REGISTERED
No. PE19600226
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 9/28/01 DATE

DESIGNED: JAT	DRAWN: JWM
CHECKED: MAE	CHECKED: JAT

INDIANA
DEPARTMENT OF TRANSPORTATION

SUPERELEVATION DIAGRAMS
LAFAYETTE INTERCHANGE

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:5	9614680
SURVEY BOOK	SHEETS
	185 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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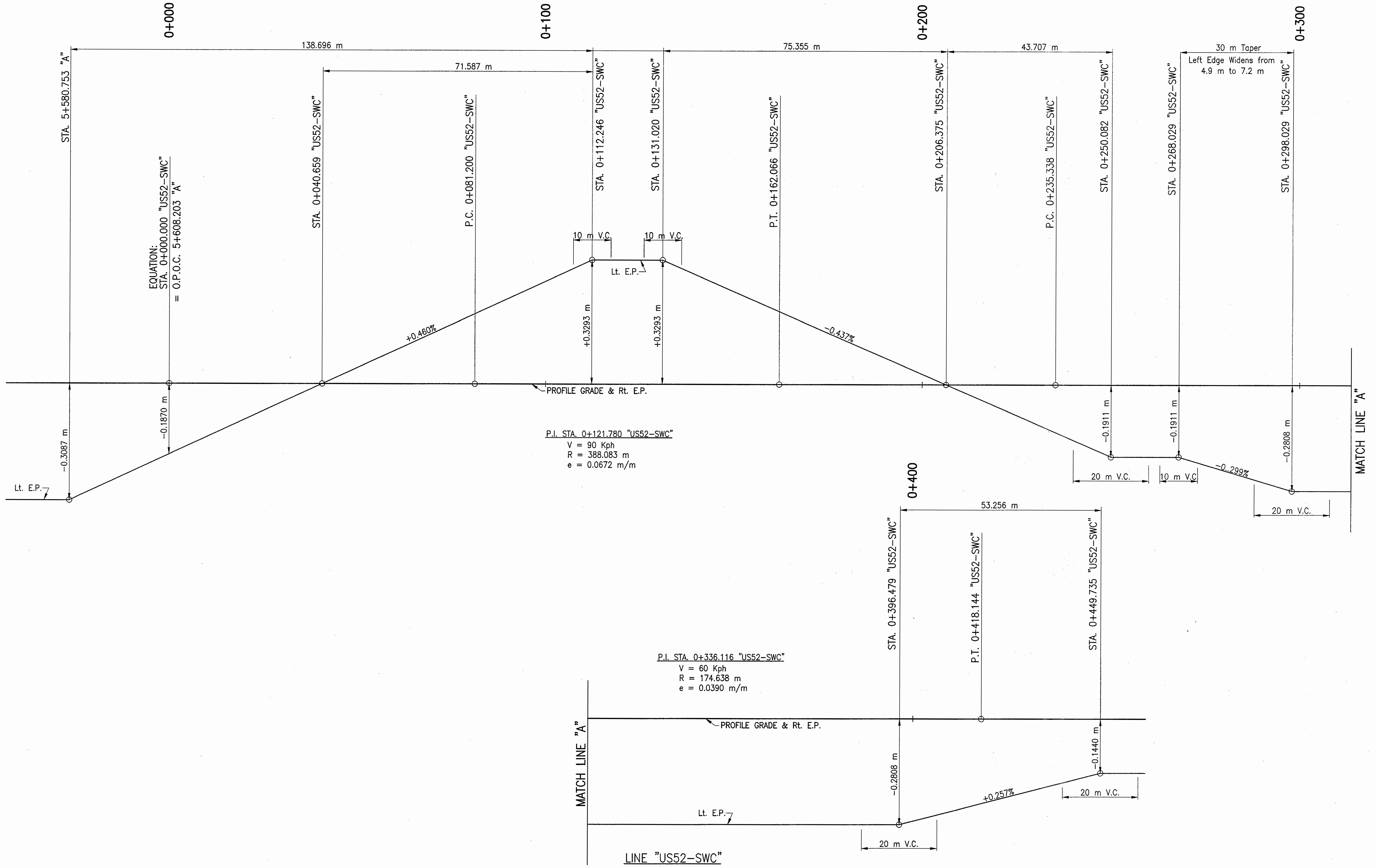
Date: 9/25/2001
Scale: As Is
Drawing File: K:\Drive\sdek\proj\375\ASBUILTS-DO NOT MODIFY\SUPERELEVATION DIAGRAMS\SUPER-165.dwg (JMiller)



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Date: 8/25/2001
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Drawing File: K:-Drive\sdsk\proj\375\ASBUILTS--DO NOT MODIFY\SUPERELEVATION DIAGRAMS\SUPER-186.dwg (JMiller)

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

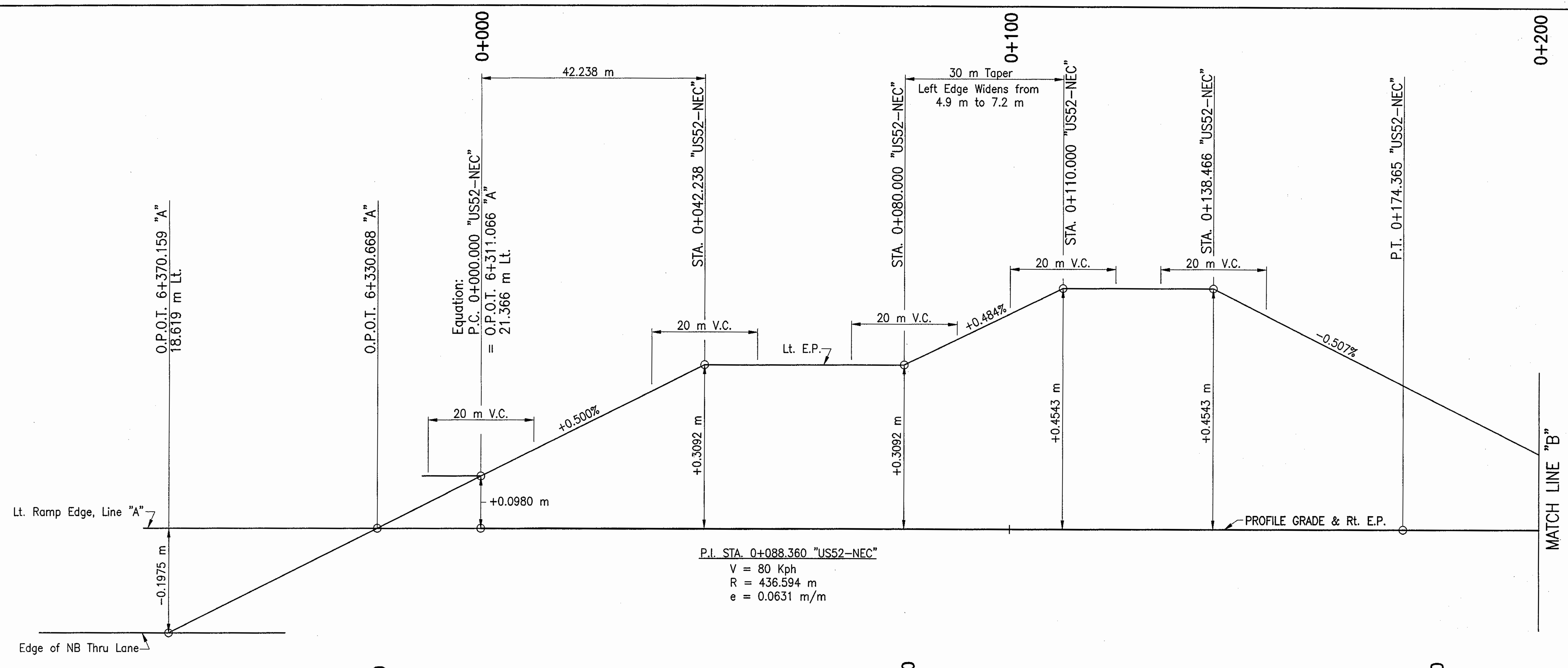
RECOMMENDED FOR APPROVAL: [signature] DESIGN ENGINEER 9/28/01 DATE

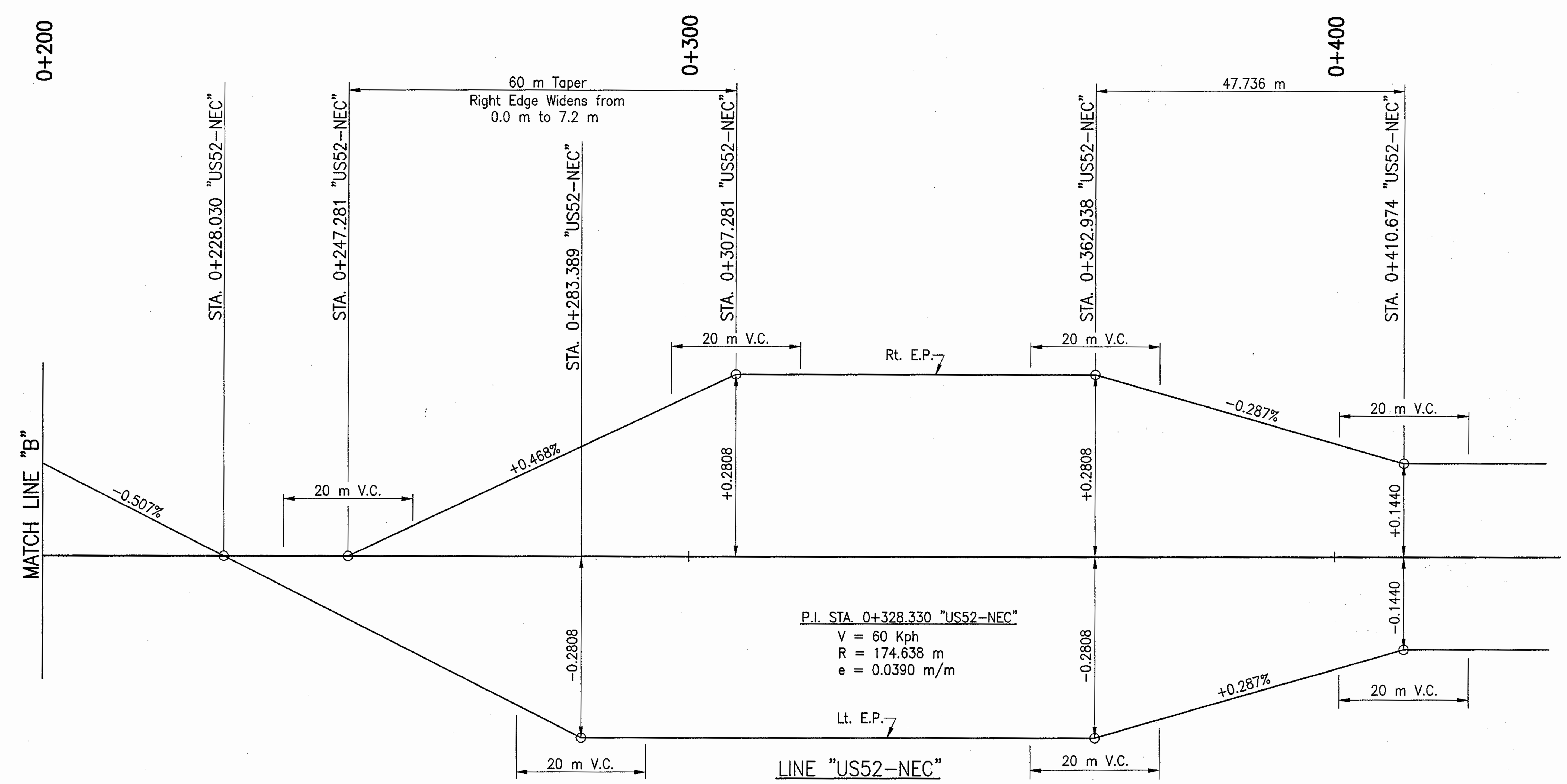
DESIGNED: JAT	DRAWN: JWM
CHECKED: MAE	CHECKED: JAT

INDIANA DEPARTMENT OF TRANSPORTATION

SUPERELEVATION DIAGRAMS
LAFAYETTE INTERCHANGE

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:5	9614680
SURVEY BOOK	SHEETS
	186 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118





LINE "US52-NEC"

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

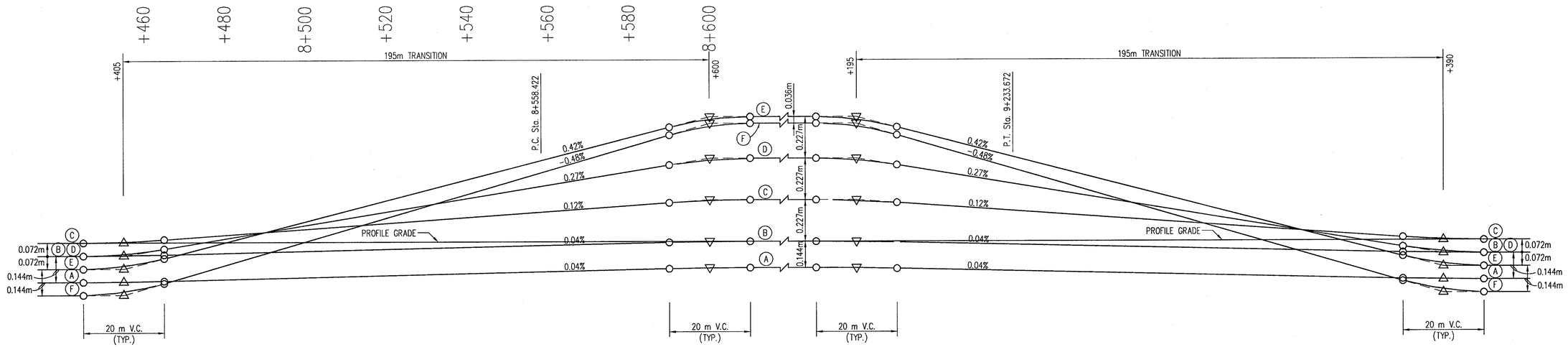
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	9/28/01 DATE
DESIGNED: JAT	DRAWN: JWM	
CHECKED: MAE	CHECKED: JAT	

INDIANA DEPARTMENT OF TRANSPORTATION

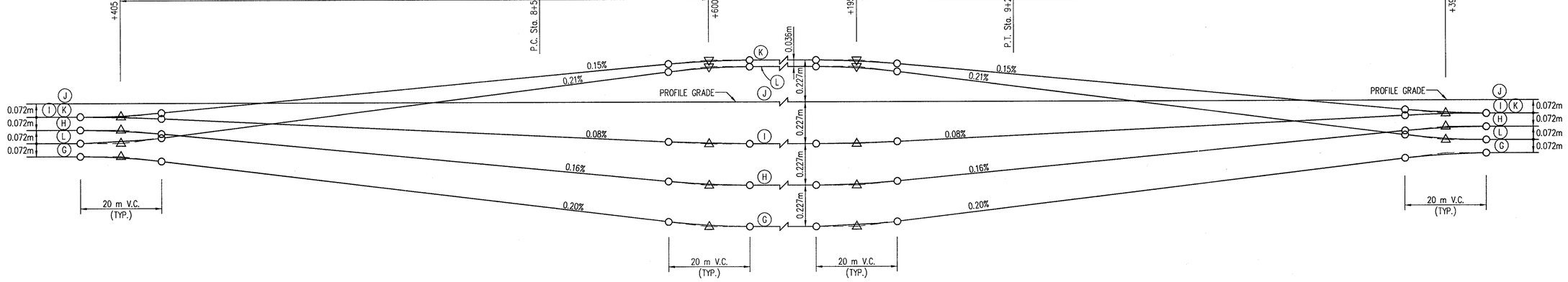
SUPERELEVATION DIAGRAMS LAFAYETTE INTERCHANGE

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:5	9614680
SURVEY BOOK	SHEETS
	187 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

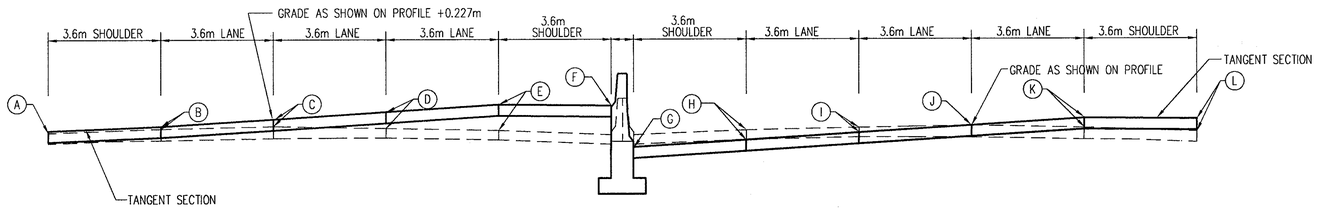
Time: 10:58:16 Date: 8/25/2001 Scale: 1 = 1:1 Drawing File: K-Drive\pdsl\proj\375\ASBUILTS-DO NOT MODIFY\SUPERELEVATION DIAGRAMS\SUPER-187.dwg (JMiller)



NORTHBOUND LANES



SOUTHBOUND LANES



P.I. Sta. 8+925.050 Line "A"
698.55m Radius to Left.
e = 6.3%

XREFERENCES : None
USER SETTING : USER XX ALL
DIRECTORY PATH: R:\Roads\996510\Plans\
FILE NAME : 1605up3.dwg
LAYER DISK : XXXX
MRO UNIT : 14-JAN-00, 12:34:41 / JRC

STEPHEN F. WENTWORTH
REGISTERED
No. 16222
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 9/28/01

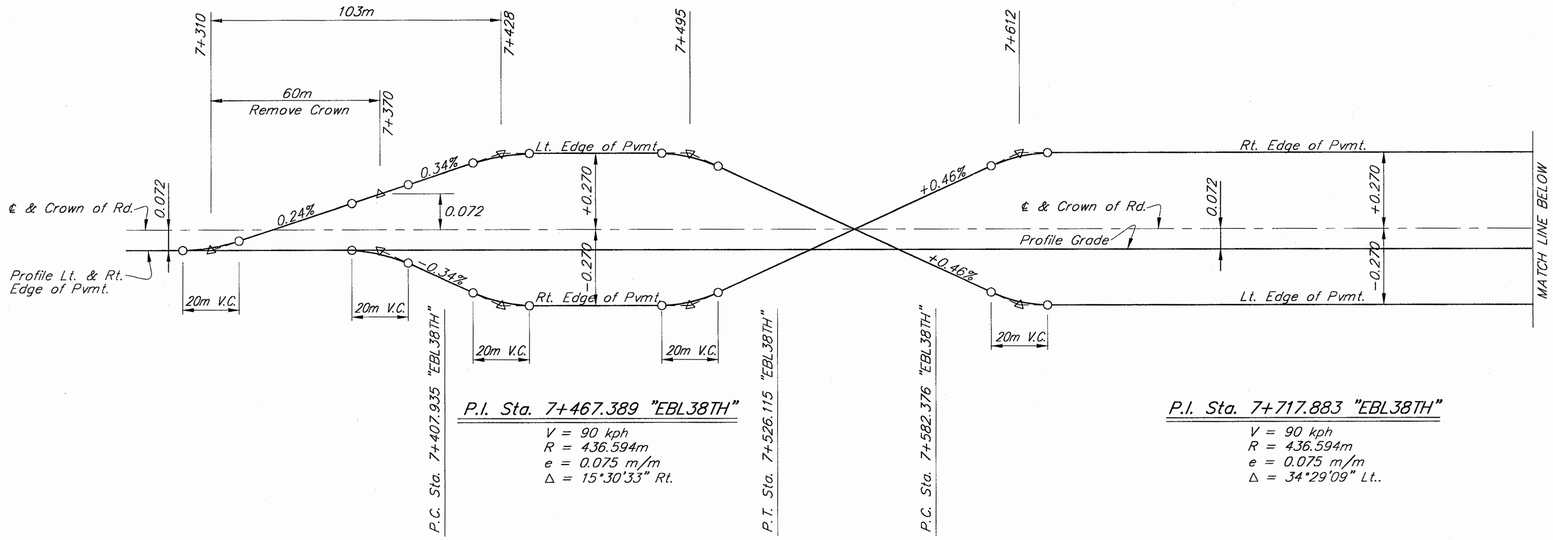
DESIGNED: H.F. | DRAWN: J.M.
CHECKED: M.O. | CHECKED: B.Z.

INDIANA
DEPARTMENT OF TRANSPORTATION

SUPERELEVATION
DIAGRAM

HORIZONTAL SCALE	BRIDGE FILE
NONE	
VERTICAL SCALE	DESIGNATION
NONE	9614680

SURVEY BOOK	SHEETS
	188 of 520
CONTRACT	PROJECT
	IM-65-3(281)118

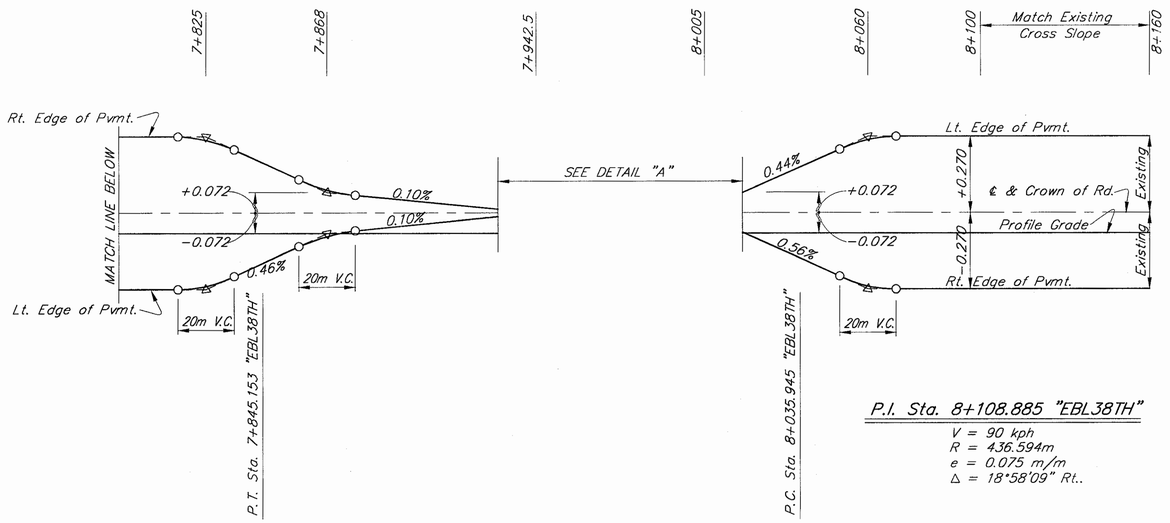


P.I. Sta. 7+467.389 "EBL38TH"

V = 90 kph
R = 436.594m
e = 0.075 m/m
Δ = 15°30'33" Rt.

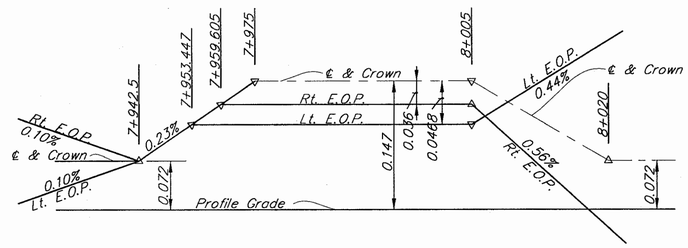
P.I. Sta. 7+717.883 "EBL38TH"

V = 90 kph
R = 436.594m
e = 0.075 m/m
Δ = 34°29'09" Lt..



P.I. Sta 8+108.885 "EBL38TH"

V = 90 kph
R = 436.594m
e = 0.075 m/m
Δ = 18°58'09" Rt..



DETAIL "A"

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Stephen F. Weintraut 9/28/01
DESIGN ENGINEER DATE

DESIGNED: H.F. DRAWN: M.S.
CHECKED: M.O. CHECKED: H.F.

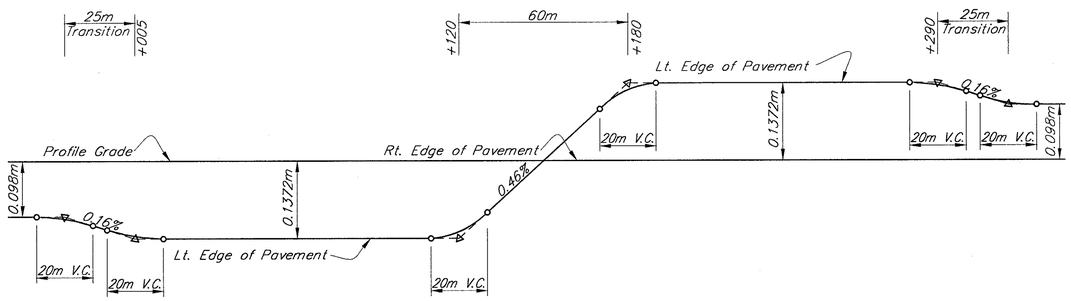
INDIANA DEPARTMENT OF TRANSPORTATION

SUPERELEVATION DETAILS "EBL38TH"

HORIZONTAL SCALE	FILE
NONE	3804
VERTICAL SCALE	DESIGNATION
NONE	9814680
SURVEY BOOK	SHEETS
	189 OF 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

DIMENSIONS IN METERS UNLESS OTHERWISE NOTED

METRIC



P.C. Sta. 0+000.000 "38SER"

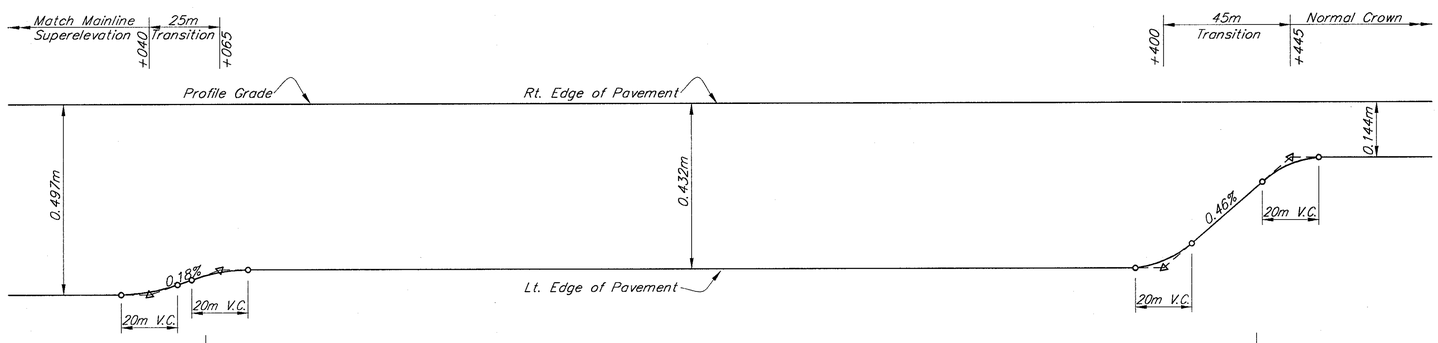
P.I. Sta. 0+065.617 "38SER"
V = 90 kph
R = 1,800m
e = 0.028 m/m

P.T. Sta. 0+131.176 "38SER"

P.C. Sta. 0+163.571 "38SER"

P.I. Sta. 0+229.188 "38SER"
V = 90 kph
R = 1,800m
e = 0.028 m/m

P.C. Sta. 0+131.176 "38SER"



P.C. Sta. 0+059.933 "38NER"

P.I. Sta. 0+252.448 "38NER"
V = 90 kph
R = 610m
e = 0.060 m/m

P.T. Sta. 0+432.893 "38NER"

STEPHEN F. WENTAULT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Stephen F. Wentault 9/28/01
DESIGN ENGINEER DATE

DESIGNED: H.F. DRAWN: M.S.
CHECKED: M.O. CHECKED: H.F.

INDIANA DEPARTMENT OF TRANSPORTATION

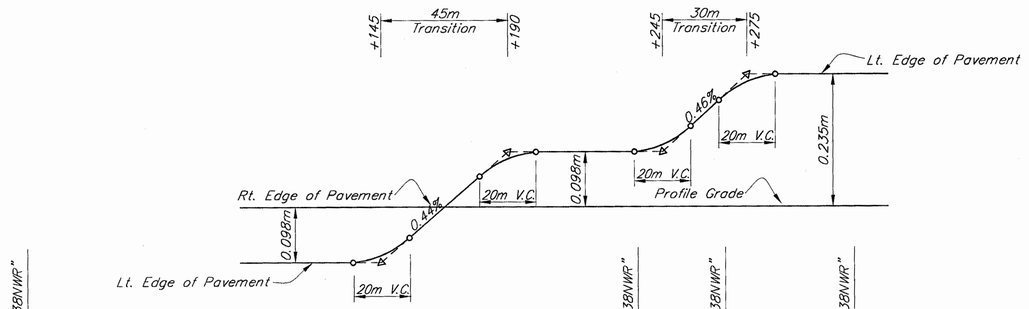
SUPERELEVATION DETAILS "38SER" & "38NER"

HORIZONTAL SCALE	FILE
NONE	3804
VERTICAL SCALE	DESIGNATION
NONE	9614680
SURVEY BOOK	SHEETS
	190 OF 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

METRIC

DIMENSIONS IN METERS UNLESS OTHERWISE NOTED

R:\3804\catsuite\3804SUP2.dwg 09-24-01 AT 13:04 25.4 CS

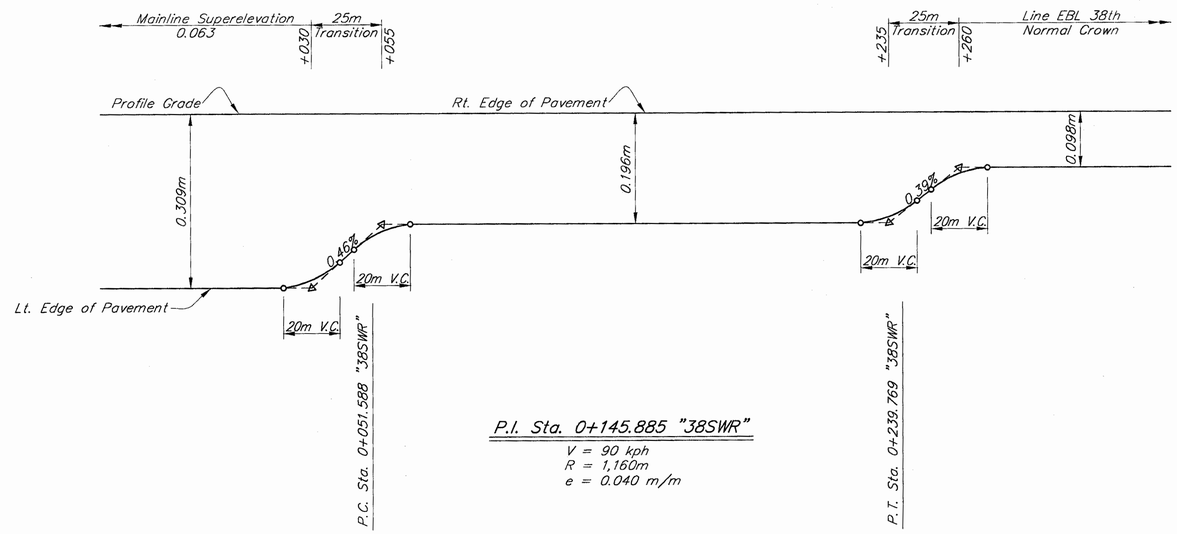


P.I. Sta. 0+127.925 "38NWR"

V = 90 kph
R = 3,000m
e = NC

P.I. Sta. 0+290.184 "38NWR"

V = 90 kph
R = 873,188m
e = 0.048 m/m



P.I. Sta. 0+145.885 "38SWR"

V = 90 kph
R = 1,160m
e = 0.040 m/m

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Stephen F. Weintraut 9/28/01
DESIGN ENGINEER DATE

DESIGNED: H.F. DRAWN: M.S.
CHECKED: M.O. CHECKED: H.F.

INDIANA DEPARTMENT OF TRANSPORTATION

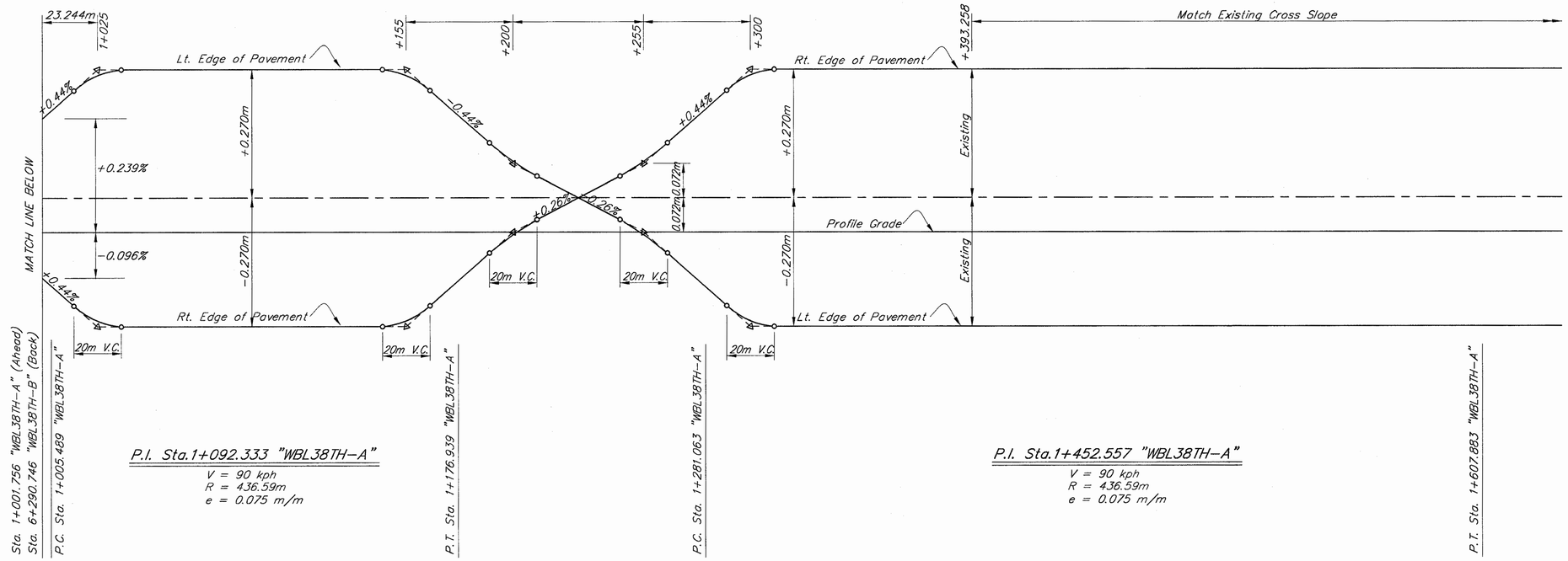
SUPERELEVATION DETAILS "38NWR" & "38SWR"

HORIZONTAL SCALE	FILE
NONE	3804
VERTICAL SCALE	DESIGNATION
NONE	9614680
SURVEY BOOK	SHEETS
	191 OF 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

R:\3804\cadd\s\3804SUP3.dwg 09-24-01 AT 13:11 25.4 CS

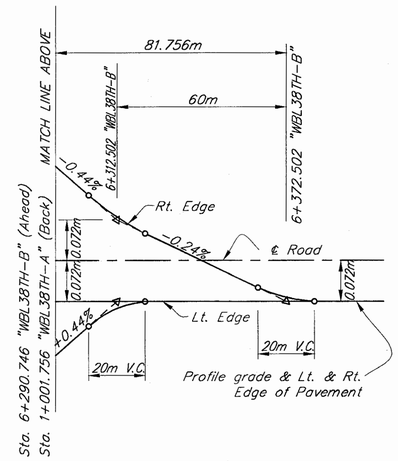
METRIC

DIMENSIONS IN METERS UNLESS OTHERWISE NOTED



P.I. Sta.1+092.333 "WBL38TH−A"
V = 90 kph
R = 436.59m
e = 0.075 m/m

P.I. Sta.1+452.557 "WBL38TH−A"
V = 90 kph
R = 436.59m
e = 0.075 m/m



LINE "WBL38TH−B"
V = 90 kph

STEPHEN F. WEINTRAUT
REGISTERED
No. 16222
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Stephen F. Weintraut 9/28/01
DESIGN ENGINEER DATE

DESIGNED: H.F. DRAWN: M.S.
CHECKED: M.O. CHECKED: H.F.

INDIANA DEPARTMENT OF TRANSPORTATION

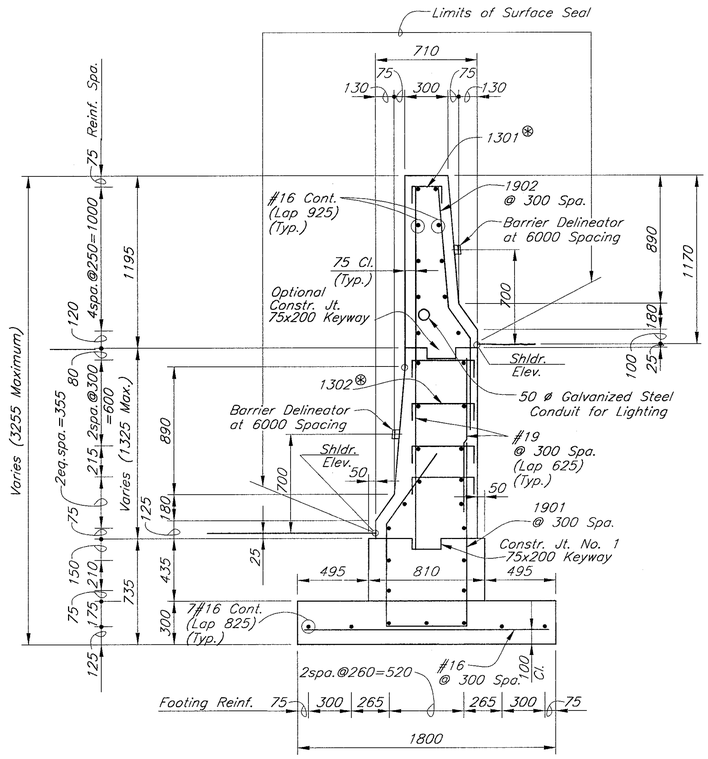
SUPERELEVATION DETAILS "WBL38TH"

HORIZONTAL SCALE	FILE
NONE	3804
VERTICAL SCALE	DESIGNATION
NONE	9614680
SURVEY BOOK	SHEETS
	192 OF 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

DIMENSIONS IN METERS UNLESS OTHERWISE NOTED

METRIC

R:\3804\contwrks\3804SUP4.dwg 09-24-01 AT 13:13 25.4 CS



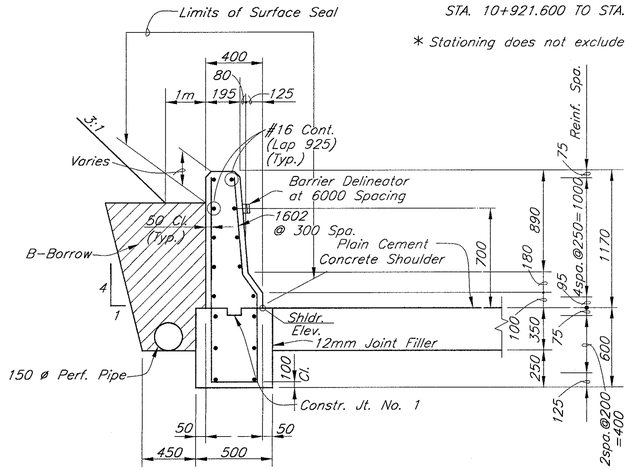
SPECIAL CONCRETE BARRIER WALL AT MEDIAN

Not to Scale

* STA. 8+493 TO STA. 9+302 "A"
STA. 10+161 TO STA. 10+483 "A" RT.
STA. 10+156 TO STA. 10+534 "A" LT.
STA. 10+921.600 TO STA. 11+040.373 "A" LT.

* Stationing does not exclude Bridge Limits

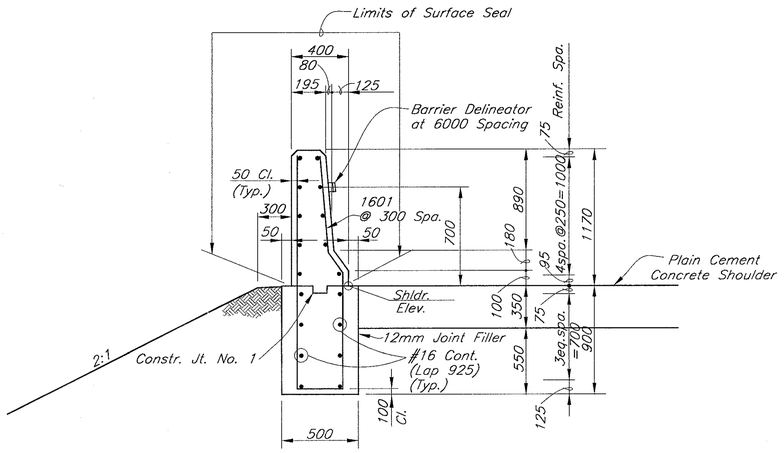
⊛ 1301 & 1302 Bars are Provided to Aid Construction for Slip-forming Special Conc. Barrier Wall. Spacing Shall be Determined in the Field.



RETAINING WALL @ SHOULDER – CUT SECTION

Not to Scale

STA. 11+213.5 "A" LT. TO STA. 11+344.5 "A" LT.
STA. 11+398.5 "A" LT. TO STA. 11+425 "A" LT.
STA. 11+133 "A" RT. TO STA. 11+327.5 "A" RT.



BARRIER RAIL @ SHOULDER – FILL SECTION

Not to Scale

STA. 11+ 425 "A" Lt. TO STA. 12+040 "A" LT.
STA. 11+383 "A" Rt. TO STA. 11+675 "A" RT.

GENERAL NOTES

All Reinforcing Steel shall be Epoxy Coated.

Concrete shall be Class A.

Chamfer exposed corners of concrete 25 mm unless noted.

Vertical expansion and construction joints shall be spaced at 120000 mm and 12500 mm (maximum) respectively, in the barrier stem only.

Continuous concrete pours shall be required between construction joints, unless otherwise approved by the Engineer.

Waterproof Expansion Joints in Accordance with Art. 702.23 for Special Concrete Barrier Wall at Median and Retaining Wall at Shoulder. In lieu of Art. 702.23, a Waterstop may be Installed with Details and Materials Approved by the Engineer.

Surface seal shall be required as shown.

Surface Seal may be waived for Concrete mix design in accordance with Art. 709.05(e)

Install 150 diameter perforated pipe for barrier wall in cut section as shown.

Install barrier delineators as shown.

DESIGN DATA

ALLOWABLE DESIGN STRESSES:

Class "A" Concrete	F'c = 24 MPa
Reinforcing Steel	Fy = 420 MPa
Allowable Bearing Pressure for In-Situ Soil (See Geotechnical Report)	= 239.4 kPa (5000 psf)

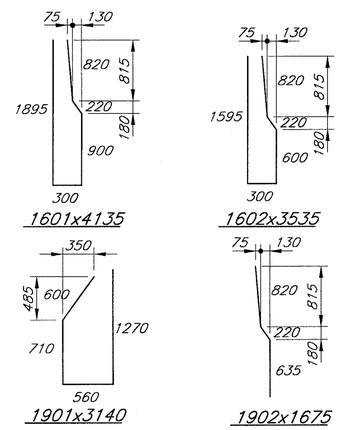
LIVE LOAD:

610mm (Two foot) surcharge as equivalent HS20-44 loading and 44.5kN(10kip) Transverse Load in accordance with 1996 A.A.S.H.T.O Specifications and subsequent Interim Specifications.

EARTH PRESSURE: (assumed values)

Soil Unit Weight:	18,850 N/m3 (120 lbs / ft3)
Cohesionless Soil Angle of Internal Friction (phi):	30 °

BAR BENDING DETAILS



All Dimensions in Millimeters (mm) unless otherwise noted

JANSSEN & SPAANS ENGINEERING
CONSULTING ENGINEERS
2825 EAST 56TH STREET
INDIANAPOLIS, INDIANA 46220
BUS. (317) 254-9686
FAX (317) 259-8262

Butler Fairman Seufert
CONSULTING ENGINEERS
8450 WESTFIELD BLVD., SUITE 300
INDIANAPOLIS, IN. 46240
317 713-4615
FAX 317 713-4616
509 WEST 84TH DRIVE, SUITE G
MERRILLVILLE, IN. 46410
219 769-2333
FAX 219 769-2377

STEPHEN F. WEINTRAUT
REGISTERED
No. 16222
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL: Stephen F. Weintraut 9/28/01
DESIGN ENGINEER DATE

DESIGNED: B. ZOBRIST DRAWN: J. MOFFITT
CHECKED: S. WEINTRAUT CHECKED: S. WEINTRAUT

INDIANA DEPARTMENT OF TRANSPORTATION

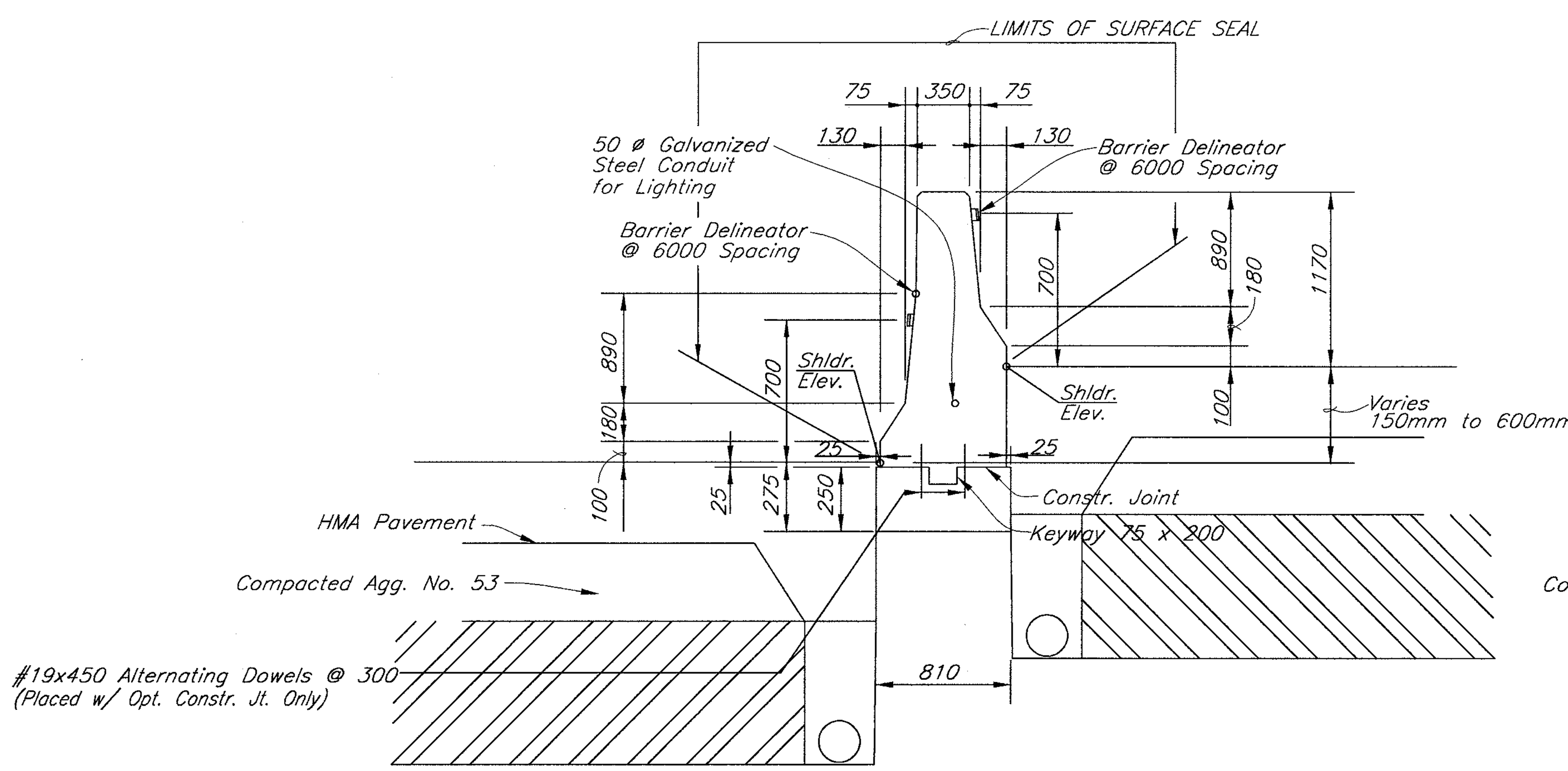
RETAINING WALL DETAILS

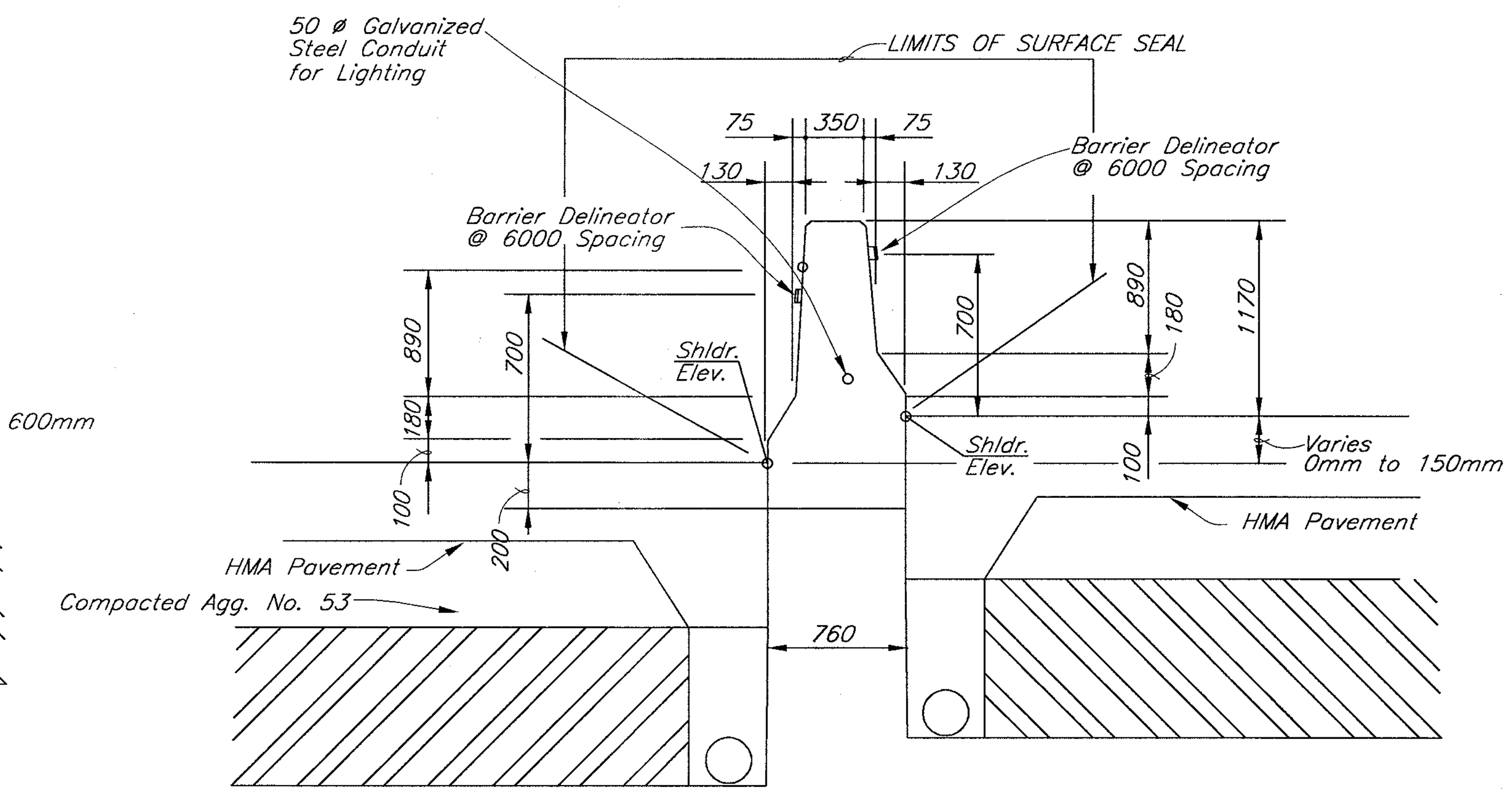
HORIZONTAL SCALE	FILE
AS NOTED	3804
VERTICAL SCALE	DESIGNATION
AS NOTED	9614880
SURVEY BOOK	SHEET
	192A OF 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

BFS NO. 3804.07

09-27-01 AT 08:52 1

R:\3804\cadd\sht\3804MEDIAN.DWG





GENERAL NOTES

Concrete shall be Class A.

Chamfer exposed corners of concrete 25 mm unless noted.

Vertical expansion and construction joints shall be spaced at 120000 mm and 6100 mm (maximum) respectively, in the barrier stem only.

Continuous concrete pours shall be required between construction joints, unless otherwise approved by the Engineer.

Surface seal shall be required as shown.

Surface Seal may be waived for Concrete mix design in accordance with Art. 709.05(e)

Install barrier delineators as shown.

SPECIAL CONCRETE BARRIER WALL AT MEDIAN

Not to Scale

BETWEEN S.B. I-65 AND E.B. 38th ST.

Sta. 9+355.532 to Sta. 9+484.667 "A" Rt.
Sta. 9+851.000 to Sta. 10+161.000 "A" Rt.
Sta. 10+483.000 to Sta. 10+531.531 "A" Rt.
Sta. 10+592.500 to Sta. 10+603.288 "A" Rt.

BETWEEN N.B. AND S.B. I-65

Sta. 8+427.059 to Sta. 8+493.000 "A"
Sta. 9+302.000 to Sta. 9+367.941 "A"

BETWEEN W.B. 38th ST. AND N.B. I-65

Sta. 9+457.087 to Sta. 9+497.172 "A" Lt.
Sta. 9+786.087 to Sta. 10+156.000 "A" Lt.
Sta. 10+543.000 to Sta. 10+712.800 "A" Lt.
Sta. 10+786.944 to Sta. 10+847.853 "A" Lt.
Sta. 11+040.373 to Sta. 11+089.697 "A" Lt.

SPECIAL CONCRETE BARRIER WALL AT MEDIAN

Not to Scale

BETWEEN S.B. I-65 AND E.B. 38th ST.

Sta. 9+250.000 to Sta. 9+355.532 "A" Rt.
Sta. 9+484.667 to Sta. 9+851.000 "A" Rt.
Sta. 10+531.531 to Sta. 10+592.500 "A" Rt.
Sta. 10+603.288 to Sta. 10+630.000 "A" Rt.

BETWEEN N.B. AND S.B. I-65

Sta. 8+395.000 to Sta. 8+427.059 "A"
Sta. 9+367.941 to Sta. 9+400.000 "A"
Sta. 10+793.950 to Sta. 10+856.110 "A"

BETWEEN W.B. 38th ST. AND N.B. I-65

Sta. 9+356.000 to Sta. 9+457.087 "A" Lt.
Sta. 9+497.172 to Sta. 9+786.087 "A" Lt.
Sta. 10+712.800 to Sta. 10+786.944 "A" Lt.
Sta. 11+089.697 to Sta. 11+214.492 "A" Lt.

All Dimensions in Millimeters (mm) unless otherwise noted

JANSSEN & SPAANS ENGINEERING CONSULTING ENGINEERS
2825 EAST 56TH STREET
INDIANAPOLIS, INDIANA 46220
BUS. (317) 254-9686
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BF&S Butler Fairman Seufert CONSULTING ENGINEERS
8450 WESTFIELD BLVD., SUITE 300 INDIANAPOLIS, IN. 46240 317 713-4615 FAX 317 713-4616
509 WEST 84TH DRIVE, SUITE G MERRILLVILLE, IN. 46410 219 769-2333 FAX 219 769-2377

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL: Stephen F. Weintraut 9/28/01
DESIGN ENGINEER DATE

DESIGNED: B. ZOBRIST | DRAWN: J. MOFFITT
CHECKED: S. WEINTRAUT | CHECKED: S. WEINTRAUT

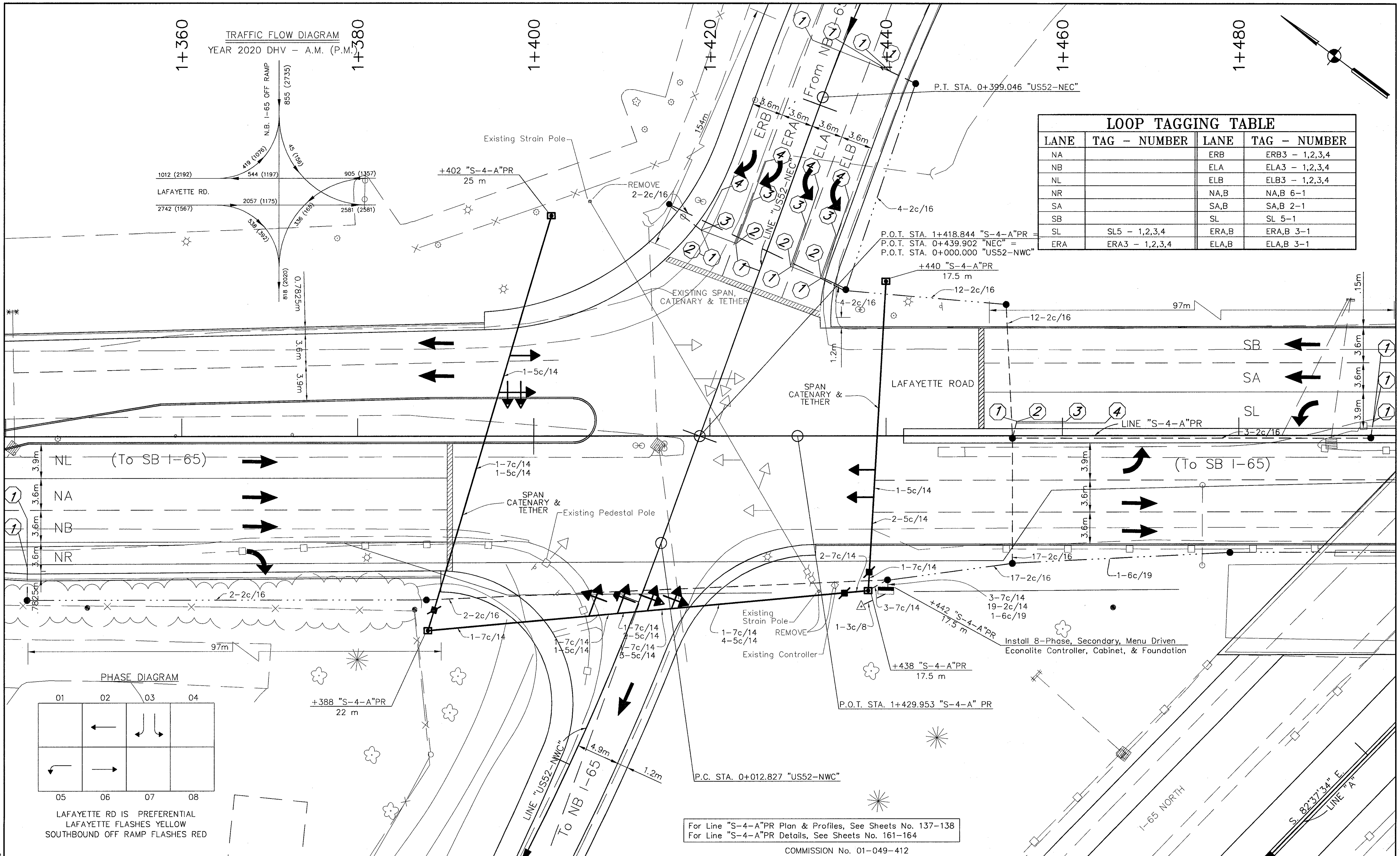
INDIANA DEPARTMENT OF TRANSPORTATION

CONCRETE BARRIER WALL DETAILS

HORIZONTAL SCALE	FILE
AS NOTED	3804
VERTICAL SCALE	DESIGNATION
AS NOTED	9614880
SURVEY BOOK	SHEET
	192B OF 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

BFS NO. 3804.07

R:\3804\asbuilts\3804MEDIAN.DWG 09-27-01 AT 08:52



LOOP TAGGING TABLE

LANE	TAG – NUMBER	LANE	TAG – NUMBER
NA		ERB	ERB3 – 1,2,3,4
NB		ELA	ELA3 – 1,2,3,4
NL		ELB	ELB3 – 1,2,3,4
NR		NA,B	NA,B 6-1
SA		SA,B	SA,B 2-1
SB		SL	SL 5-1
SL	SL5 – 1,2,3,4	ERA,B	ERA,B 3-1
ERA	ERA3 – 1,2,3,4	ELA,B	ELA,B 3-1

For Line "S-4-A"PR Plan & Profiles, See Sheets No. 137-138
For Line "S-4-A"PR Details, See Sheets No. 161-164

COMMISSION No. 01-049-412

1-WAY, 3-FACE, 305mm, RED, AMBER, GREEN TRAFFIC SIGNAL HEAD.
1-WAY, 3-FACE, 305mm, RED, AMBER ARROW, GREEN ARROW, TRAFFIC SIGNAL HEAD
1-WAY, 5-FACE, 305mm, RED, AMBER, GREEN, AMBER ARROW, GREEN ARROW, TRAFFIC SIGNAL HEAD
CONTROLLER ON "P-1" FOUNDATION
–S– UNDERGROUND SEWER LINE
–T– UNDERGROUND TELEPHONE LINE
–W– UNDERGROUND WATER LINE
–E– UNDERGROUND ELECTRIC LINE
EXISTING MAST ARM STRUCTURE
EXISTING DETECTOR HOUSING
DETECTOR HOUSING
EXISTING HANDHOLE
HANDHOLE
EXISTING SPAN MOUNT JUNCTION BOX
DISCONNECT HANGER
PROPOSED STOP LINE
EXISTING CONTROLLER
EXISTING STEEL STRAIN POLE
STEEL STRAIN POLE (9.2m)
EXISTING SIGNAL HEAD
EXISTING UTILITY POLE
50 mm GALVANIZED STEEL CONDUIT
750mm PREFORMED OCTAGONAL LOOPS
EXISTING 50mm STEEL CONDUIT
SERVICE POINT
50 mm PVC CONDUIT

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

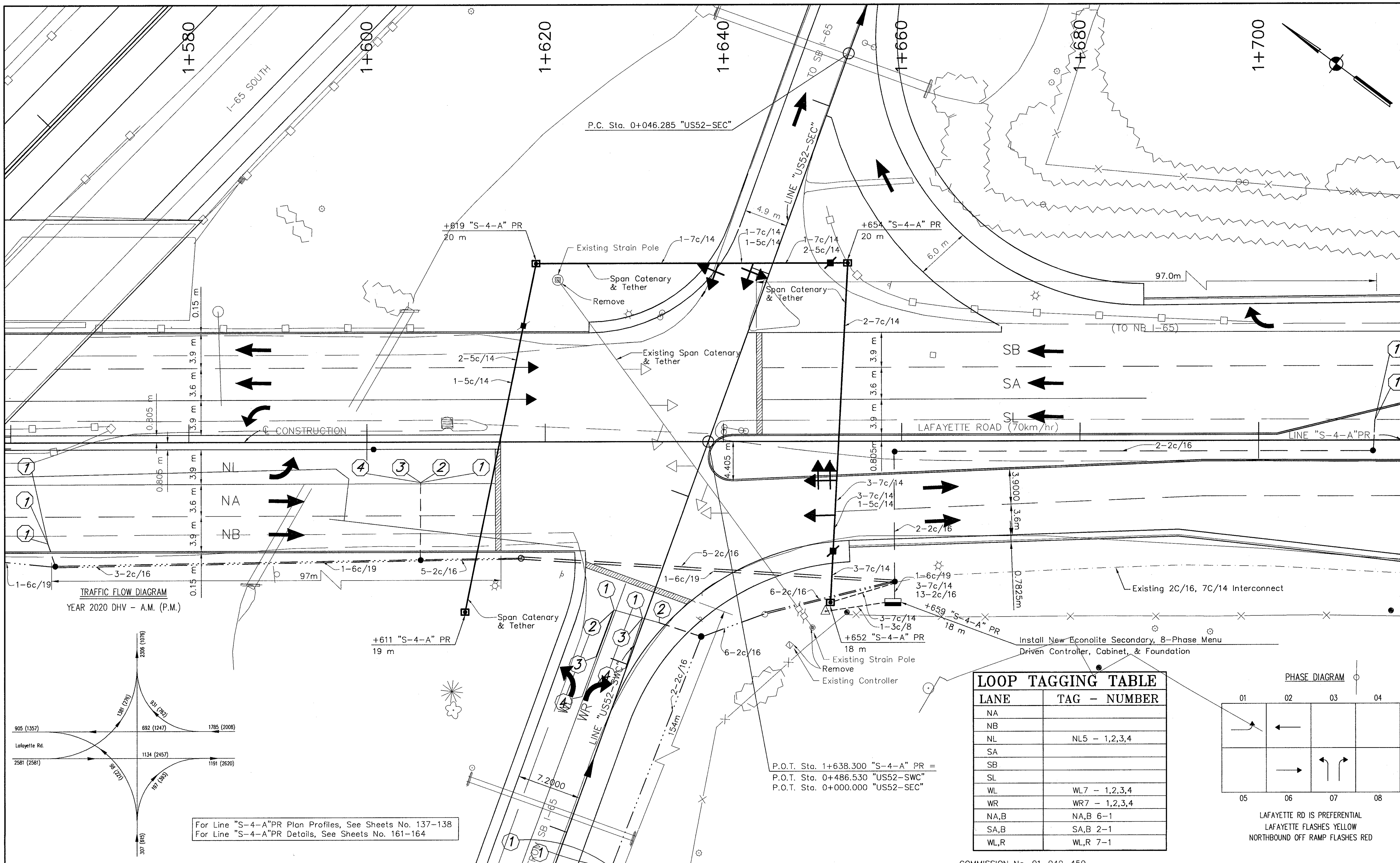
RECOMMENDED FOR APPROVAL Stephen F. Weintraut 9/28/01
DESIGN ENGINEER DATE

DESIGNED: JB DRAWN: BM
CHECKED: MO CHECKED: JB

INDIANA DEPARTMENT OF TRANSPORTATION

LAFAYETTE ROAD TRAFFIC SIGNAL #1

HORIZONTAL SCALE	BRIDGE FILE
1:200	
VERTICAL SCALE	DESIGNATION
1:200	9614680
SURVEY BOOK	SHEETS
	193 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



1+580
1+600
1+620
1+640
1+660
1+680
1+700
I-65 SOUTH
TO SB I-65
LINE "US52-SEC"
P.C. Sta. 0+046.285 "US52-SEC"
+619 "S-4-A" PR
20 m
+654 "S-4-A" PR
20 m
+611 "S-4-A" PR
19 m
+652 "S-4-A" PR
18 m
+659 "S-4-A" PR
18 m
Existing Strain Pole
Span Catenary & Tether
Remove
Existing Span Catenary & Tether
Existing Controller
Install New Econolite Secondary, 8-Phase Menu Driven Controller, Cabinet, & Foundation
Existing 2C/16, 7C/14 Interconnect
(TO NB I-65)
97.0m
97m
LAFAYETTE ROAD (70km/hr)
LINE "S-4-A"PR
℄ CONSTRUCTION
SB
SA
SL
NL
NA
NB
WL
WR
LINE "US52-SWC"
FROM SB I-65
1-7c/14
1-5c/14
2-5c/14
2-7c/14
2-5c/14
1-5c/14
2-2c/16
3-7c/14
5-2c/16
6-2c/16
1-6c/19
3-2c/16
13-2c/16
1-3c/8
4.9 m
6.0 m
4.405 m
7.2000
154m
3.9000
0.7825m
TRAFFIC FLOW DIAGRAM
YEAR 2020 DHV - A.M. (P.M.)
Lafayette Rd.
905 (1357)
692 (1247)
1785 (2006)
2581 (2581)
1134 (2457)
1191 (2620)
2306 (1078)
307 (615)
P.O.T. Sta. 1+638.300 "S-4-A" PR =
P.O.T. Sta. 0+486.530 "US52-SWC"
P.O.T. Sta. 0+000.000 "US52-SEC"
For Line "S-4-A"PR Plan Profiles, See Sheets No. 137-138
For Line "S-4-A"PR Details, See Sheets No. 161-164
PHASE DIAGRAM
01 02 03 04
05 06 07 08
LAFAYETTE RD IS PREFERENTIAL
LAFAYETTE FLASHES YELLOW
NORTHBOUND OFF RAMP FLASHES RED

LOOP TAGGING TABLE

LANE	TAG - NUMBER
NA	
NB	
NL	NL5 - 1,2,3,4
SA	
SB	
SL	
WL	WL7 - 1,2,3,4
WR	WR7 - 1,2,3,4
NA,B	NA,B 6-1
SA,B	SA,B 2-1
WL,R	WL,R 7-1

COMMISSION No. 01-049-450

Legend

- 1-WAY, 3-FACE, 305mm, RED, AMBER, GREEN TRAFFIC SIGNAL HEAD.
- 1-WAY, 3-FACE, 305mm, RED, AMBER ARROW, GREEN ARROW, TRAFFIC SIGNAL HEAD
- 1-WAY, 5-FACE, 305mm, RED, AMBER, GREEN, AMBER ARROW, GREEN ARROW, TRAFFIC SIGNAL HEAD
- CONTROLLER ON "P-1" FOUNDATION
- -S- UNDERGROUND SEWER LINE
- -T- UNDERGROUND TELEPHONE LINE
- -W- UNDERGROUND WATER LINE
- -E- UNDERGROUND ELECTRIC LINE
- EXISTING MAST ARM STRUCTURE
- EXISTING DETECTOR HOUSING
- DETECTOR HOUSING
- EXISTING HANDHOLE
- HANDHOLE
- EXISTING SPAN MOUNT JUNCTION BOX
- DISCONNECT HANGER
- PROPOSED STOP LINE
- EXISTING CONTROLLER
- EXISTING STEEL STRAIN POLE
- STEEL STRAIN POLE (9.2m)
- EXISTING SIGNAL HEAD
- EXISTING UTILITY POLE
- 50 mm GALVANIZED STEEL CONDUIT
- 750mm PREFORMED OCTAGONAL LOOPS
- EXISTING 50mm STEEL CONDUIT
- SERVICE POINT
- 50 mm PVC CONDUIT

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

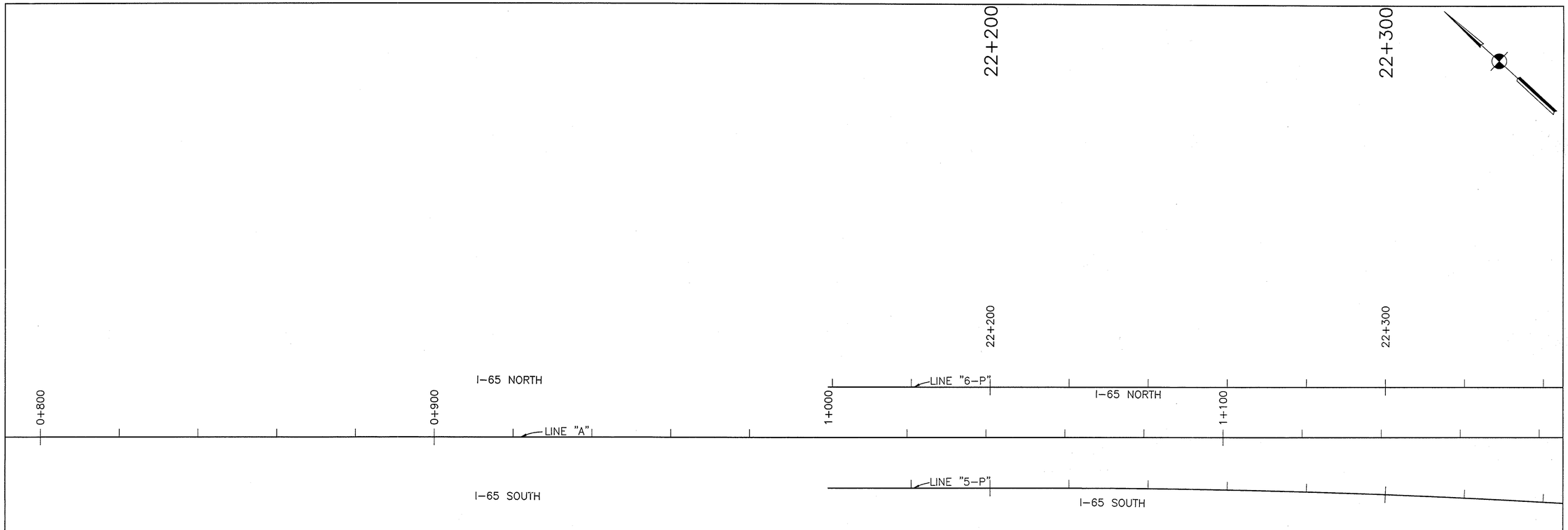
RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

DESIGNED: JB DRAWN: BM
CHECKED: MO CHECKED: JB

INDIANA DEPARTMENT OF TRANSPORTATION

LAFAYETTE ROAD TRAFFIC SIGNAL #2 DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1:200	
VERTICAL SCALE	DESIGNATION
1:200	9614680
SURVEY BOOK	SHEETS
	194 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



LEGEND

- (34) LINE, PRE FORMED PLASTIC, SOLID WHITE, 100mm
- (35) LINE, PRE FORMED PLASTIC, SOLID YELLOW, 100mm
- (36) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WRONG WAY RAMP ARROW
- (37) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WORD (ONLY)
- (38) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, LANE INDICATION ARROW
- (41) LINE, PRE FORMED PLASTIC, BROKEN, WHITE, 125mm
- (42) LINE, PRE FORMED PLASTIC, SOLID, WHITE, 200mm
- (43) TRANSVERSE MARKING PERFORMED PLASTIC, SOLID WHITE CROSSHATCH, 600mm
- (44) TRANSVERSE MARKING, THERMOPLASTIC, SOLID WHITE CROSSHATCH LINE, 300mm
- (45) TRANSVERSE MARKING, THERMOPLASTIC, STOP LINE, 600mm
- (46) TRANSVERSE MARKING, THERMOPLASTIC, SOLID, WHITE, CROSSHATCH LINE, 600mm
- (47) LINE, THERMOPLASTIC, SOLID, WHITE. 100mm
- (48) LINE, THERMOPLASTIC, BROKEN, WHITE, 125mm
- (49) LINE, THERMOPLASTIC, SOLID, WHITE. 200mm
- (50) LINE, THERMOPLASTIC, SOLID, YELLOW, 100mm
- (51) LINE, THERMOPLASTIC, DOTTED, WHITE, 600mm LINE, 120mm GAP
- △ ONE-WAY, WHITE, MARKER
- △ TWO-WAY, WHITE/RED. MARKER
- ▲ TWO-WAY, YELLOW/RED, MARKER

IBRAHIM S. WIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ 9/28/01
DESIGN ENGINEER DATE

DESIGNED: R.D.S. DRAWN: T.A.B.
CHECKED: I.Y.S. CHECKED: I.Y.S.

INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS
LINE "5-P"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
N/A	9614680
SURVEY BOOK	SHEETS
	195 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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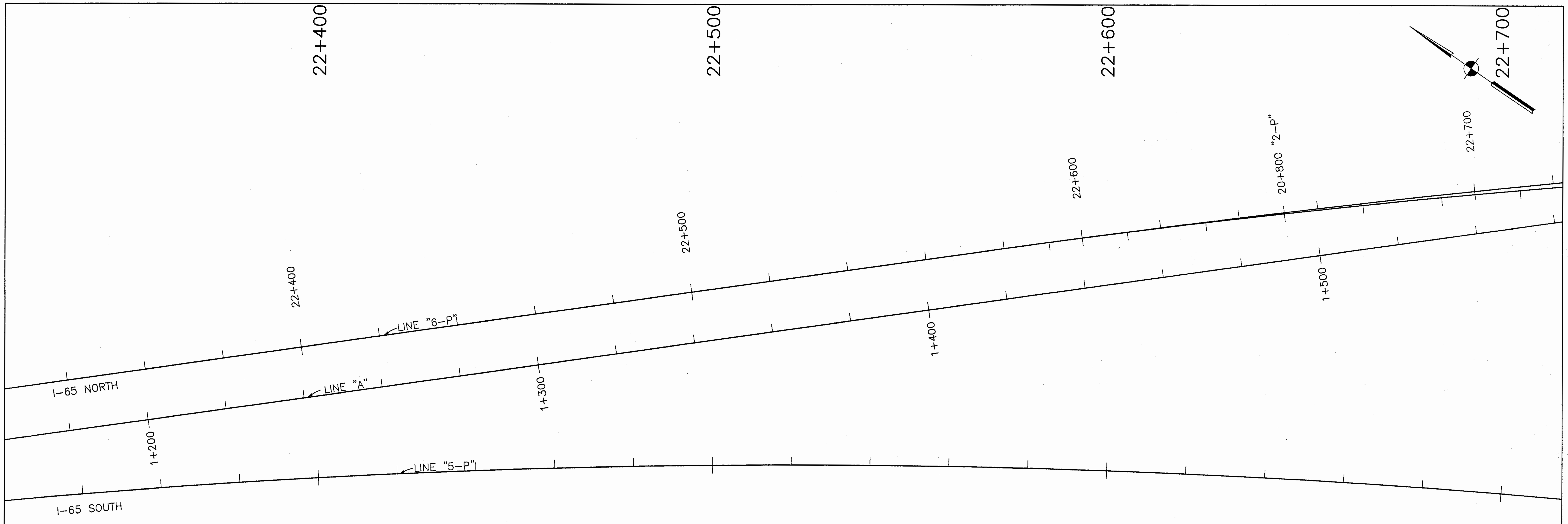

LEGEND

- (34) LINE, PRE FORMED PLASTIC, SOLID WHITE, 100mm
- (35) LINE, PRE FORMED PLASTIC, SOLID YELLOW, 100mm
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- (50) LINE, THERMOPLASTIC, SOLID, YELLOW, 100mm
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- △ ONE-WAY, WHITE, MARKER
- △ TWO-WAY, WHITE/RED. MARKER
- ▲ TWO-WAY, YELLOW/RED, MARKER

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	9/28/01 DATE
DESIGNED: R.D.S.	DRAWN: T.A.B.	
CHECKED: I.Y.S.	CHECKED: I.Y.S.	

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS
LINE "5-P"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
N/A	9614680
SURVEY BOOK	SHEETS
	196 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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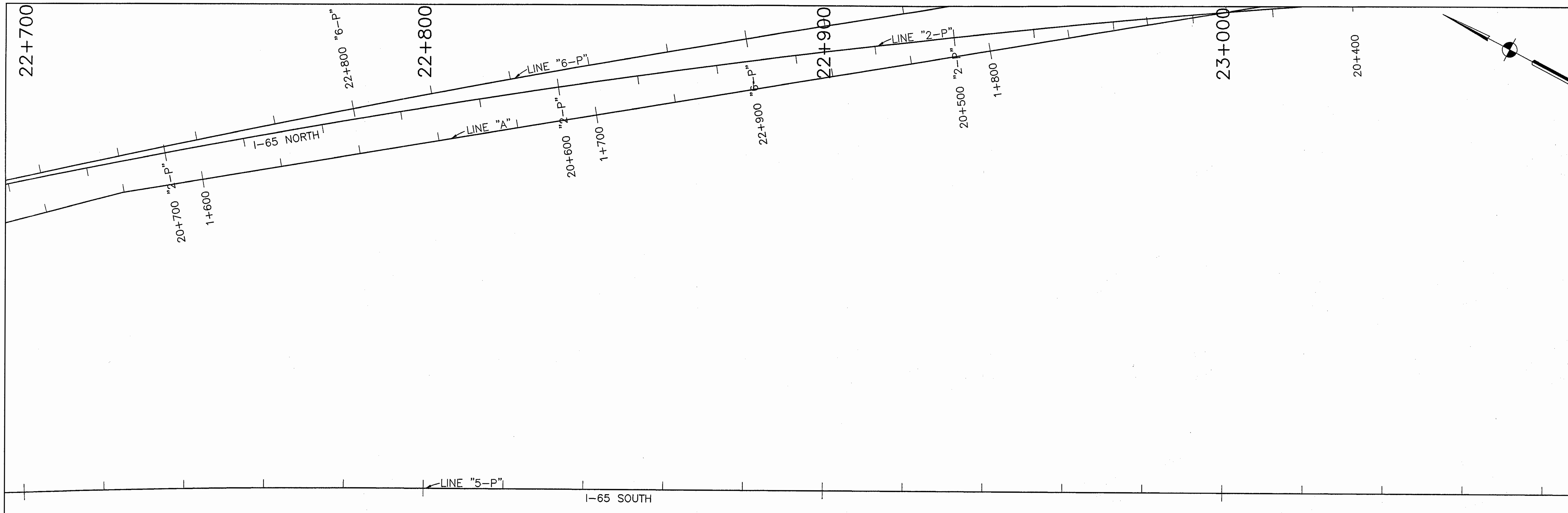

LEGEND

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- △ ONE-WAY, WHITE, MARKER
- TWO-WAY, WHITE/RED. MARKER
- TWO-WAY, YELLOW/RED, MARKER

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] DESIGN ENGINEER 9/28/01 DATE

DESIGNED: R.D.S. DRAWN: T.A.B.

CHECKED: I.Y.S. CHECKED: I.Y.S.

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS
LINE "5-P"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
N/A	9614680
SURVEY BOOK	SHEETS
	197 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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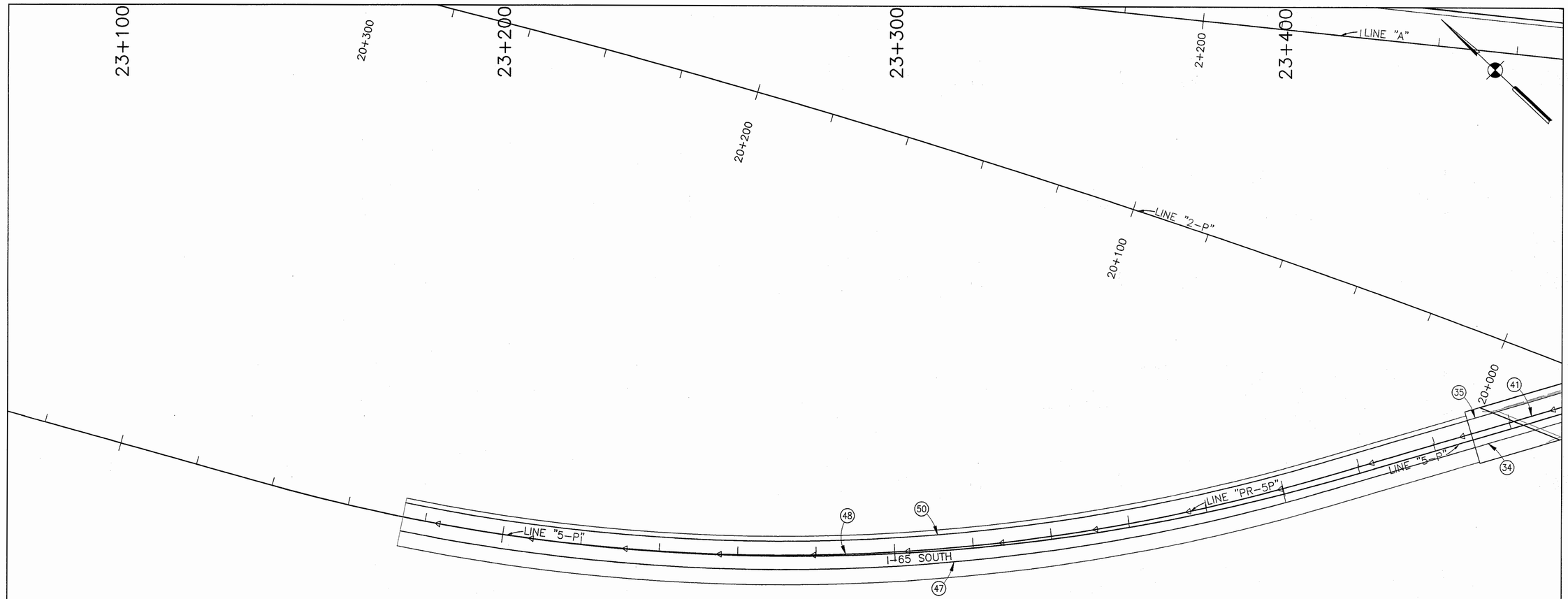

LEGEND

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- (51) LINE, THERMOPLASTIC, DOTTED, WHITE, 600mm LINE, 120mm GAP
- △ ONE-WAY, WHITE, MARKER
- ⧋ TWO-WAY, WHITE/RED. MARKER
- ▲ TWO-WAY, YELLOW/RED, MARKER

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Drawing File: K-Drive\ydsk\proj\375\ASBUILTS-DO NOT MODIFY\PAVEMENT MARKINGS\PMSP04.dwg (Miller)

IBRAHIM SWIDAN
REGISTERED
No.
PE19600226
STATE OF
INDIANA
PROFESSIONAL ENGINEER

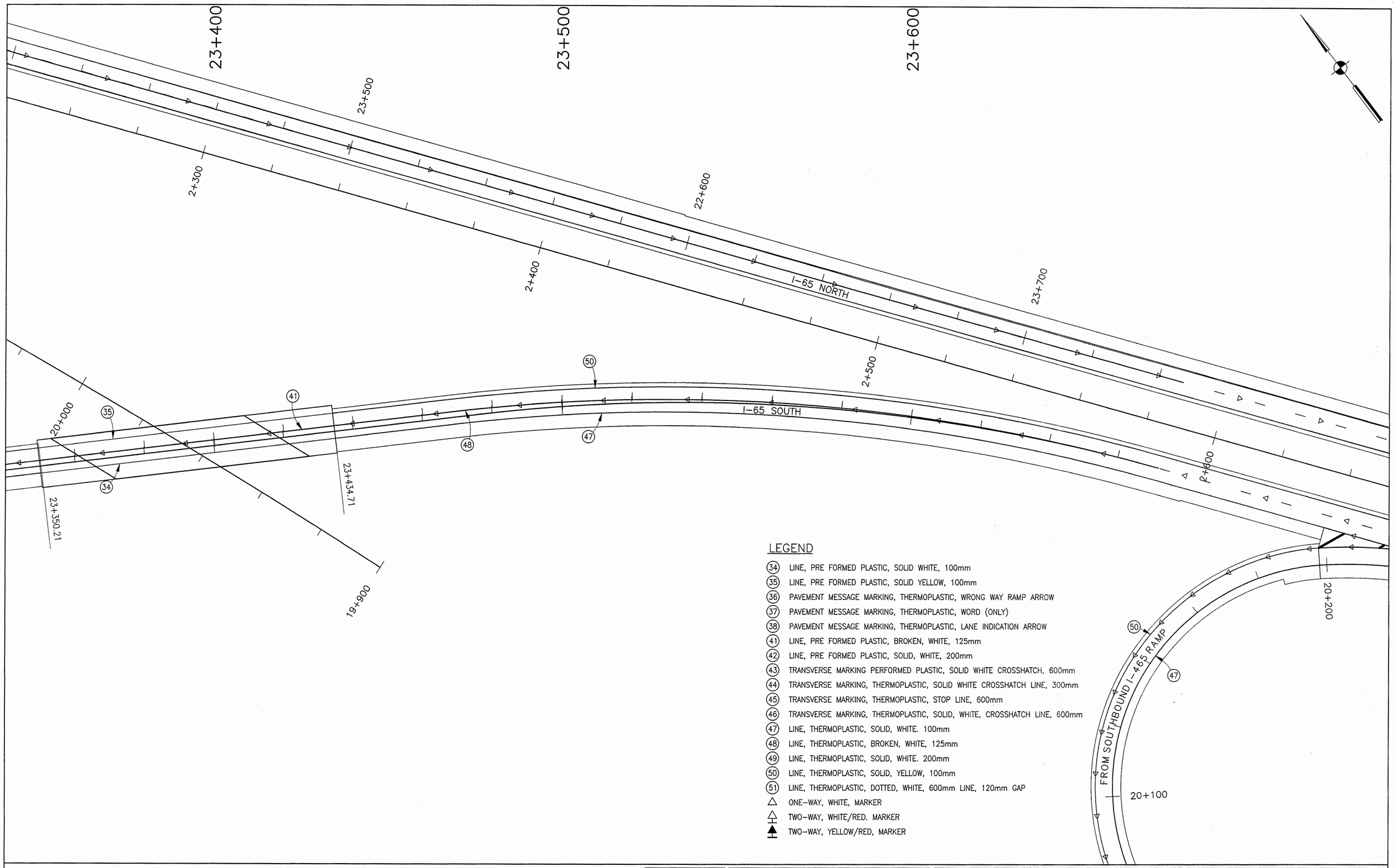
RECOMMENDED FOR APPROVAL _____ 9/28/01
DESIGN ENGINEER DATE

DESIGNED: R.D.S. DRAWN: T.A.B.
CHECKED: I.Y.S. CHECKED: I.Y.S.

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS
LINE "5-P"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
N/A	9614680
SURVEY BOOK	SHEETS
	198 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



LEGEND

- (34) LINE, PRE FORMED PLASTIC, SOLID WHITE, 100mm
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- △ ONE-WAY, WHITE, MARKER
- △ TWO-WAY, WHITE/RED. MARKER
- ▲ TWO-WAY, YELLOW/RED, MARKER

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Date: 8/25/2001
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GRAHAM SWIDAN
REGISTERED
No. PE19600226
STATE OF INDIANA
PROFESSIONAL ENGINEER

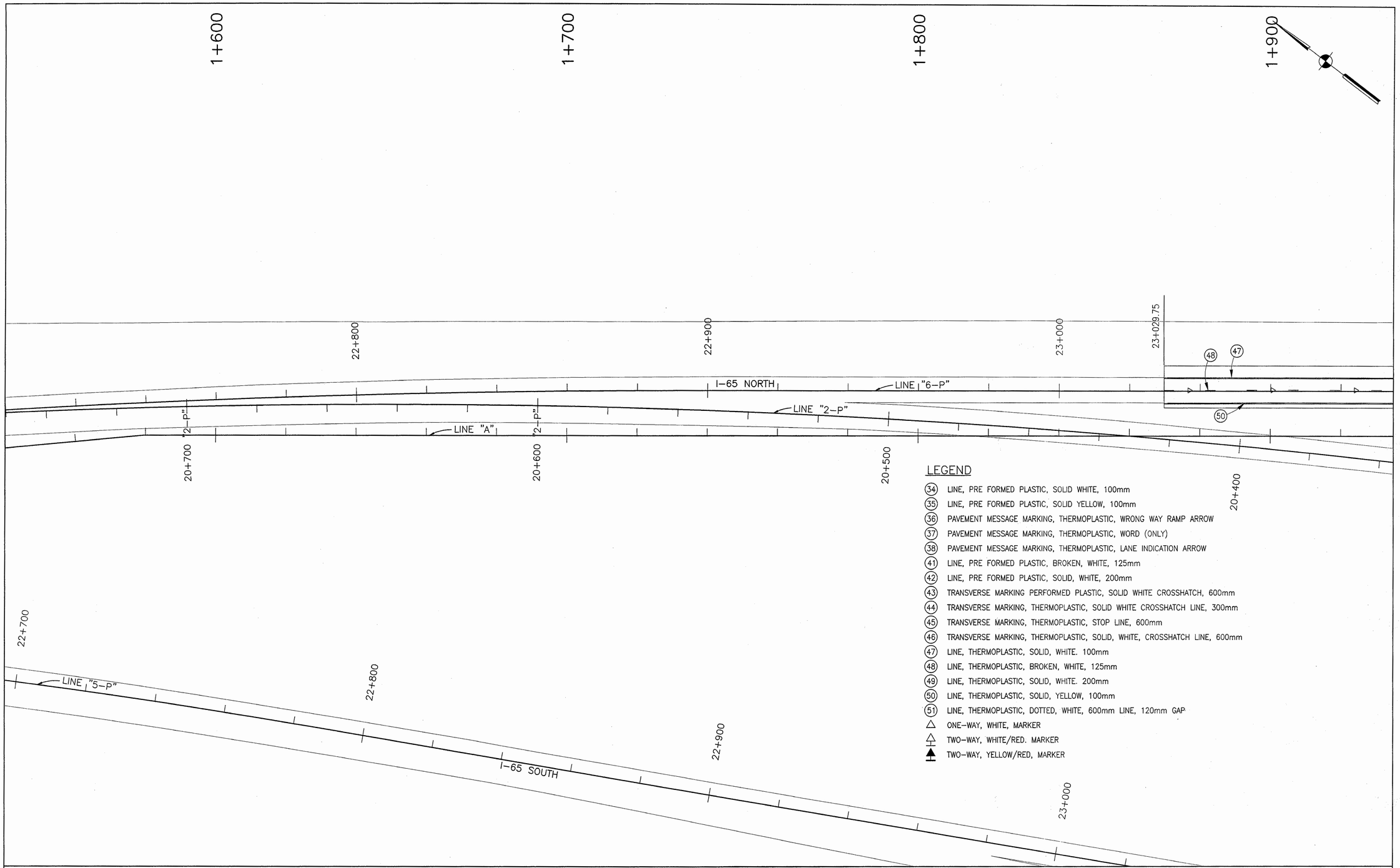
RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 9/28/01 DATE

DESIGNED: R.D.S. | DRAWN: T.A.B.
CHECKED: I.Y.S. | CHECKED: I.Y.S.

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS
LINE "5-P"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
N/A	9614680
SURVEY BOOK	SHEETS
	199 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



LEGEND

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- △ ONE-WAY, WHITE, MARKER
- △ TWO-WAY, WHITE/RED. MARKER
- ▲ TWO-WAY, YELLOW/RED, MARKER

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IBRAHIM SWIDAN
REGISTERED
No.
PE19600226
STATE OF
INDIANA
PROFESSIONAL ENGINEER

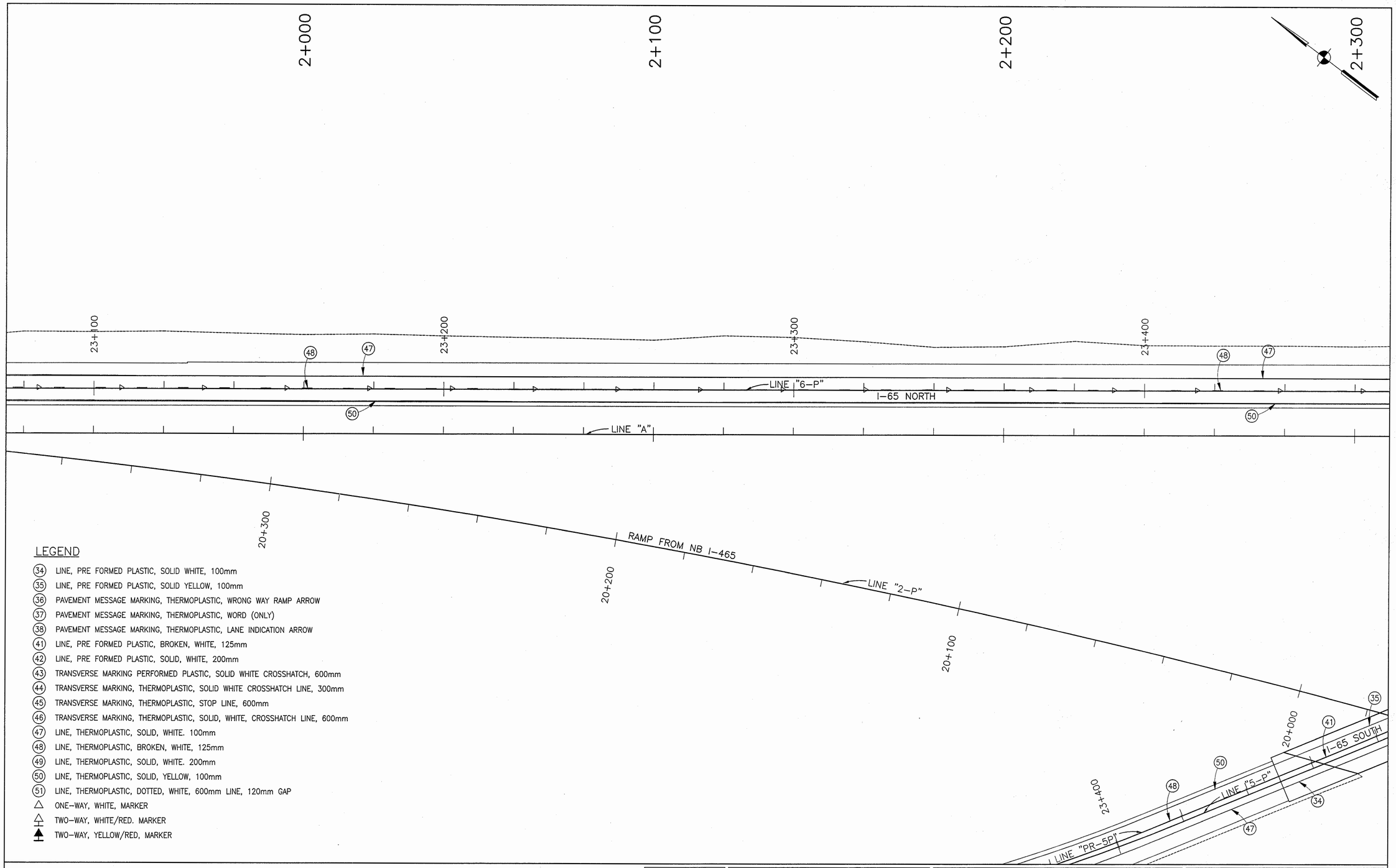
RECOMMENDED FOR APPROVAL _____ 9/28/01
DESIGN ENGINEER DATE

DESIGNED: R.D.S. DRAWN: T.A.B.
CHECKED: I.Y.S. CHECKED: I.Y.S.

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
N/A	9614680
SURVEY BOOK	SHEETS
	200 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



LEGEND

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- △ ONE-WAY, WHITE, MARKER
- △ TWO-WAY, WHITE/RED. MARKER
- ▲ TWO-WAY, YELLOW/RED, MARKER

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Date: 8/25/2001
Scale: 1=1.3[PS]
Drawing File: K:\Drive\vdisk\proj\375\ASBUILTS-00 NOT MODIFY\PAVEMENT MARKINGS\PM05.dwg (JMiller)

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 9/28/01 DATE

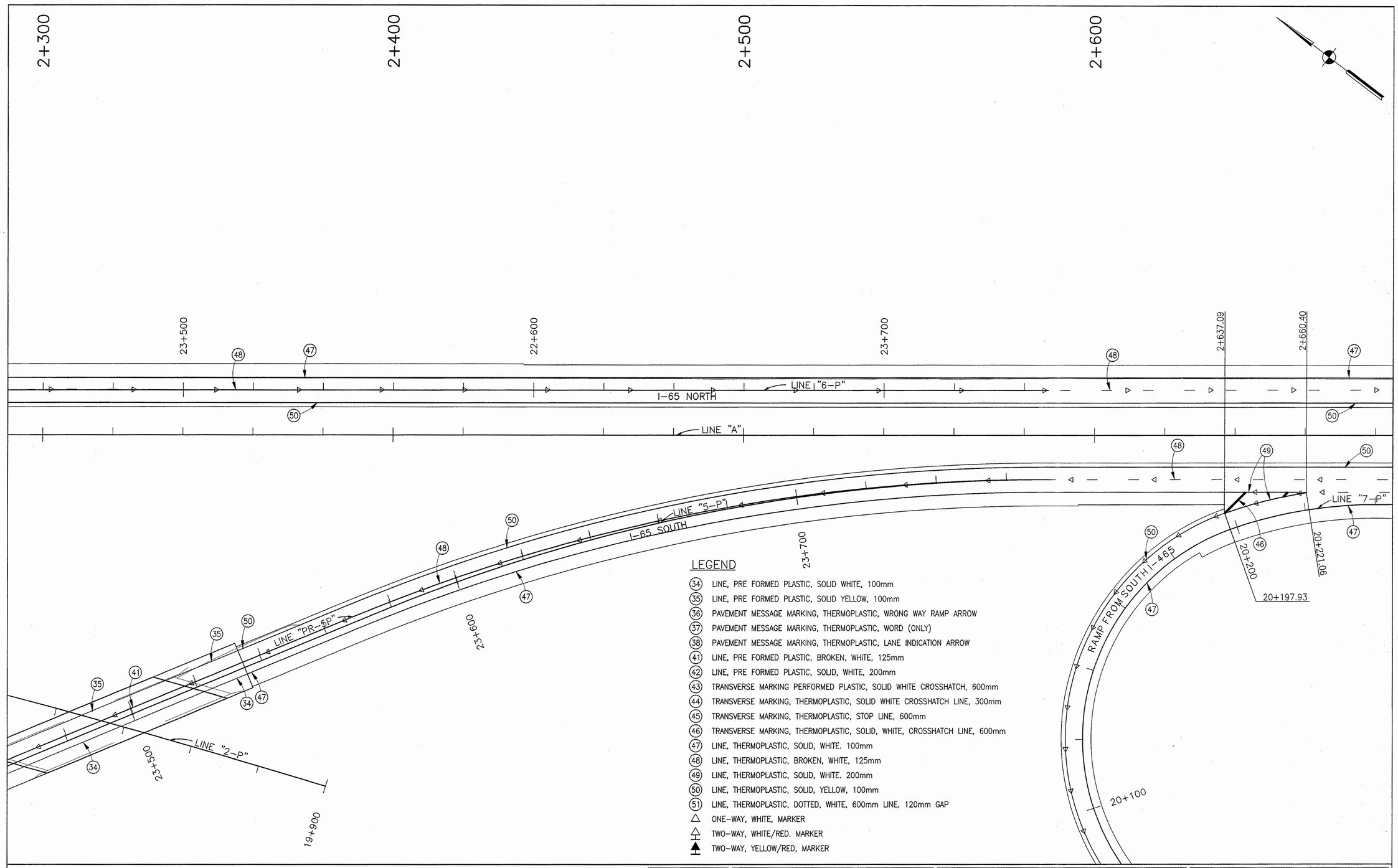
DESIGNED: R.D.S. DRAWN: T.A.B.

CHECKED: I.Y.S. CHECKED: I.Y.S.

INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
N/A	9614680
SURVEY BOOK	SHEETS
	201 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



LEGEND

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- △ ONE-WAY, WHITE, MARKER
- △ TWO-WAY, WHITE/RED. MARKER
- ▲ TWO-WAY, YELLOW/RED, MARKER

IBRAHIM SHIDIAN
REGISTERED
No. PE19600226
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ 9/28/01
DESIGN ENGINEER DATE

DESIGNED: R.D.S. DRAWN: T.A.B.
CHECKED: I.Y.S. CHECKED: I.Y.S.

INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
N/A	9614680
SURVEY BOOK	SHEETS
	202 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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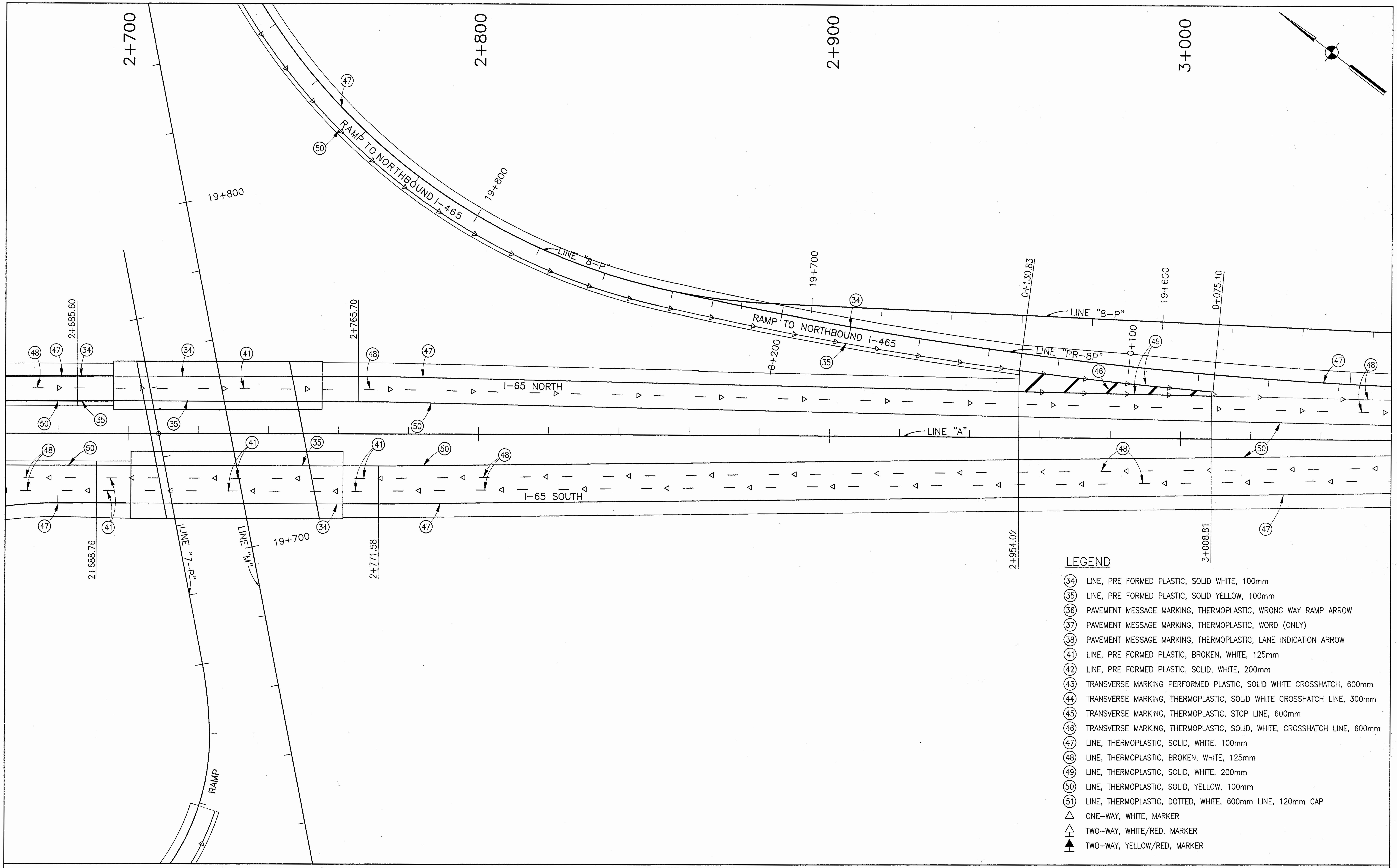

LEGEND

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- (42) LINE, PRE FORMED PLASTIC, SOLID, WHITE, 200mm
- (43) TRANSVERSE MARKING PERFORMED PLASTIC, SOLID WHITE CROSSHATCH, 600mm
- (44) TRANSVERSE MARKING, THERMOPLASTIC, SOLID WHITE CROSSHATCH LINE, 300mm
- (45) TRANSVERSE MARKING, THERMOPLASTIC, STOP LINE, 600mm
- (46) TRANSVERSE MARKING, THERMOPLASTIC, SOLID, WHITE, CROSSHATCH LINE, 600mm
- (47) LINE, THERMOPLASTIC, SOLID, WHITE. 100mm
- (48) LINE, THERMOPLASTIC, BROKEN, WHITE, 125mm
- (49) LINE, THERMOPLASTIC, SOLID, WHITE. 200mm
- (50) LINE, THERMOPLASTIC, SOLID, YELLOW, 100mm
- (51) LINE, THERMOPLASTIC, DOTTED, WHITE, 600mm LINE, 120mm GAP
- △ ONE-WAY, WHITE, MARKER
- △ TWO-WAY, WHITE/RED. MARKER
- ▲ TWO-WAY, YELLOW/RED, MARKER

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL	[signature] DESIGN ENGINEER	9/28/01 DATE	
DESIGNED: R.D.S.	DRAWN: T.A.B.		
CHECKED: I.Y.S.	CHECKED: I.Y.S.		

INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
N/A	9614680
SURVEY BOOK	SHEETS
	203 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

Time: 11:20:33
Date: 8/25/2001
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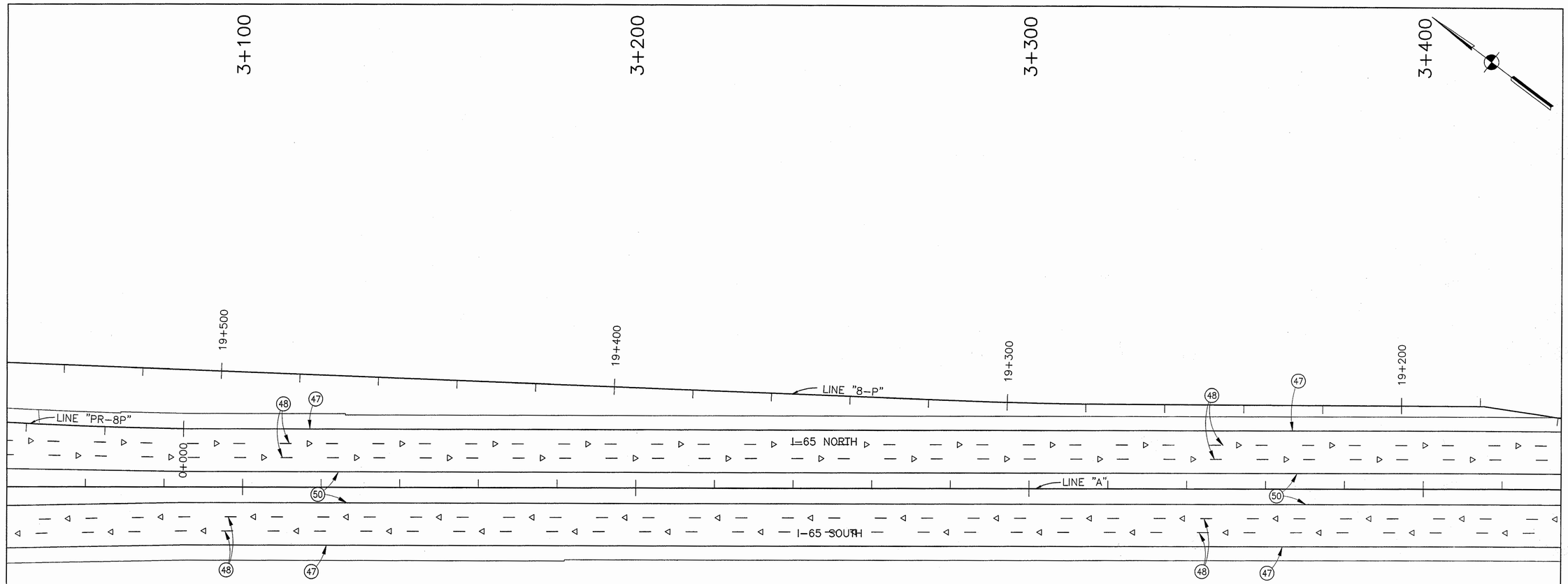


LEGEND

- (34) LINE, PRE FORMED PLASTIC, SOLID WHITE, 100mm
- (35) LINE, PRE FORMED PLASTIC, SOLID YELLOW, 100mm
- (36) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WRONG WAY RAMP ARROW
- (37) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WORD (ONLY)
- (38) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, LANE INDICATION ARROW
- (41) LINE, PRE FORMED PLASTIC, BROKEN, WHITE, 125mm
- (42) LINE, PRE FORMED PLASTIC, SOLID, WHITE, 200mm
- (43) TRANSVERSE MARKING PERFORMED PLASTIC, SOLID WHITE CROSSHATCH, 600mm
- (44) TRANSVERSE MARKING, THERMOPLASTIC, SOLID WHITE CROSSHATCH LINE, 300mm
- (45) TRANSVERSE MARKING, THERMOPLASTIC, STOP LINE, 600mm
- (46) TRANSVERSE MARKING, THERMOPLASTIC, SOLID, WHITE, CROSSHATCH LINE, 600mm
- (47) LINE, THERMOPLASTIC, SOLID, WHITE. 100mm
- (48) LINE, THERMOPLASTIC, BROKEN, WHITE, 125mm
- (49) LINE, THERMOPLASTIC, SOLID, WHITE. 200mm
- (50) LINE, THERMOPLASTIC, SOLID, YELLOW, 100mm
- (51) LINE, THERMOPLASTIC, DOTTED, WHITE, 600mm LINE, 120mm GAP
- △ ONE-WAY, WHITE, MARKER
- △ TWO-WAY, WHITE/RED. MARKER
- ▲ TWO-WAY, YELLOW/RED, MARKER

Time: 11:21:24
Date: 8/25/2001
Scale: 1=1"(PS)
Drawing File: K:\Drive \ydsk\proj\375\ASBUILTS-DO NOT MODIFY\PAVEMENT MARKINGS\PM08.dwg (JMiller)

IBRAHIM SWAIA
REGISTERED
No. PE19600226
STATE OF INDIANA
PROFESSIONAL ENGINEER

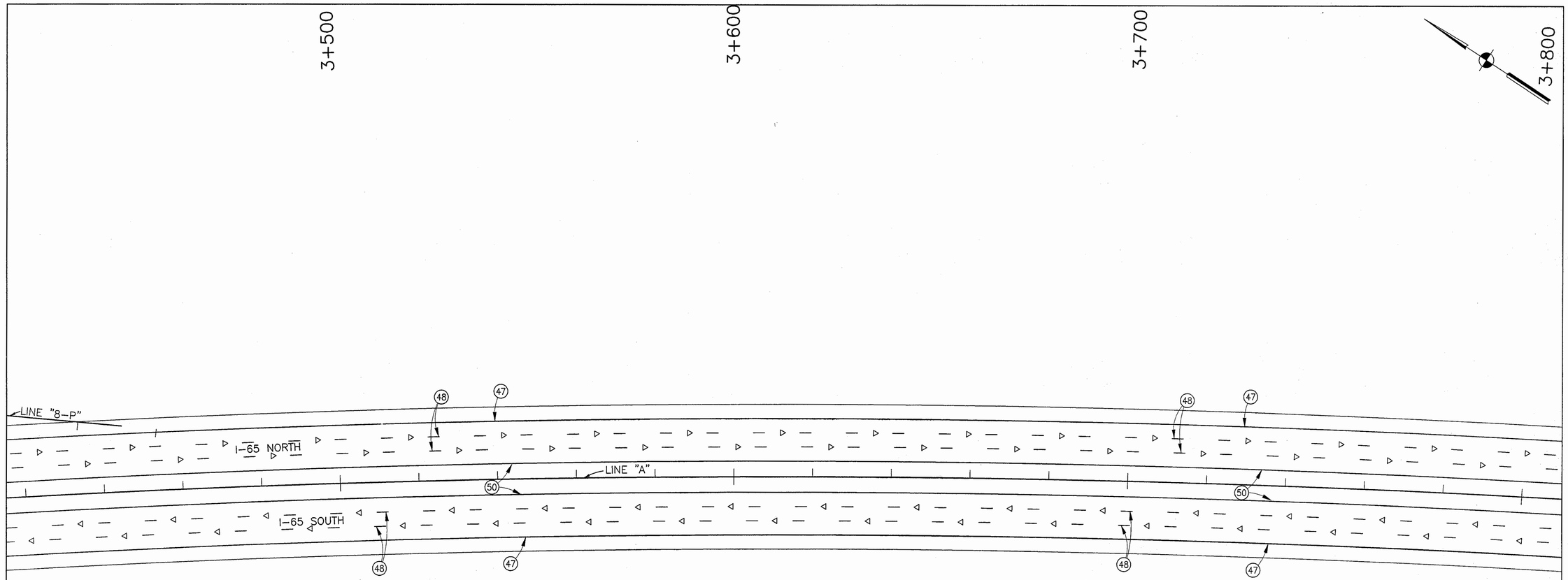
RECOMMENDED FOR APPROVAL _____ 9/28/01
DESIGN ENGINEER DATE

DESIGNED: R.D.S. DRAWN: T.A.B.
CHECKED: I.Y.S. CHECKED: I.Y.S.

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
N/A	9614680
SURVEY BOOK	SHEETS
	204 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



LEGEND

- (34) LINE, PRE FORMED PLASTIC, SOLID WHITE, 100mm
- (35) LINE, PRE FORMED PLASTIC, SOLID YELLOW, 100mm
- (36) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WRONG WAY RAMP ARROW
- (37) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WORD (ONLY)
- (38) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, LANE INDICATION ARROW
- (41) LINE, PRE FORMED PLASTIC, BROKEN, WHITE, 125mm
- (42) LINE, PRE FORMED PLASTIC, SOLID, WHITE, 200mm
- (43) TRANSVERSE MARKING PERFORMED PLASTIC, SOLID WHITE CROSSHATCH, 600mm
- (44) TRANSVERSE MARKING, THERMOPLASTIC, SOLID WHITE CROSSHATCH LINE, 300mm
- (45) TRANSVERSE MARKING, THERMOPLASTIC, STOP LINE, 600mm
- (46) TRANSVERSE MARKING, THERMOPLASTIC, SOLID, WHITE, CROSSHATCH LINE, 600mm
- (47) LINE, THERMOPLASTIC, SOLID, WHITE. 100mm
- (48) LINE, THERMOPLASTIC, BROKEN, WHITE, 125mm
- (49) LINE, THERMOPLASTIC, SOLID, WHITE. 200mm
- (50) LINE, THERMOPLASTIC, SOLID, YELLOW, 100mm
- (51) LINE, THERMOPLASTIC, DOTTED, WHITE, 600mm LINE, 120mm GAP
- △ ONE-WAY, WHITE, MARKER
- △ TWO-WAY, WHITE/RED. MARKER
- ▲ TWO-WAY, YELLOW/RED, MARKER

IBRAHIM SWIDAN
REGISTERED
No. PE19600226
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ 9/28/01
DESIGN ENGINEER DATE

DESIGNED: R.D.S. DRAWN: T.A.B.
CHECKED: I.Y.S. CHECKED: I.Y.S.

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
N/A	9614680
SURVEY BOOK	SHEETS
	205 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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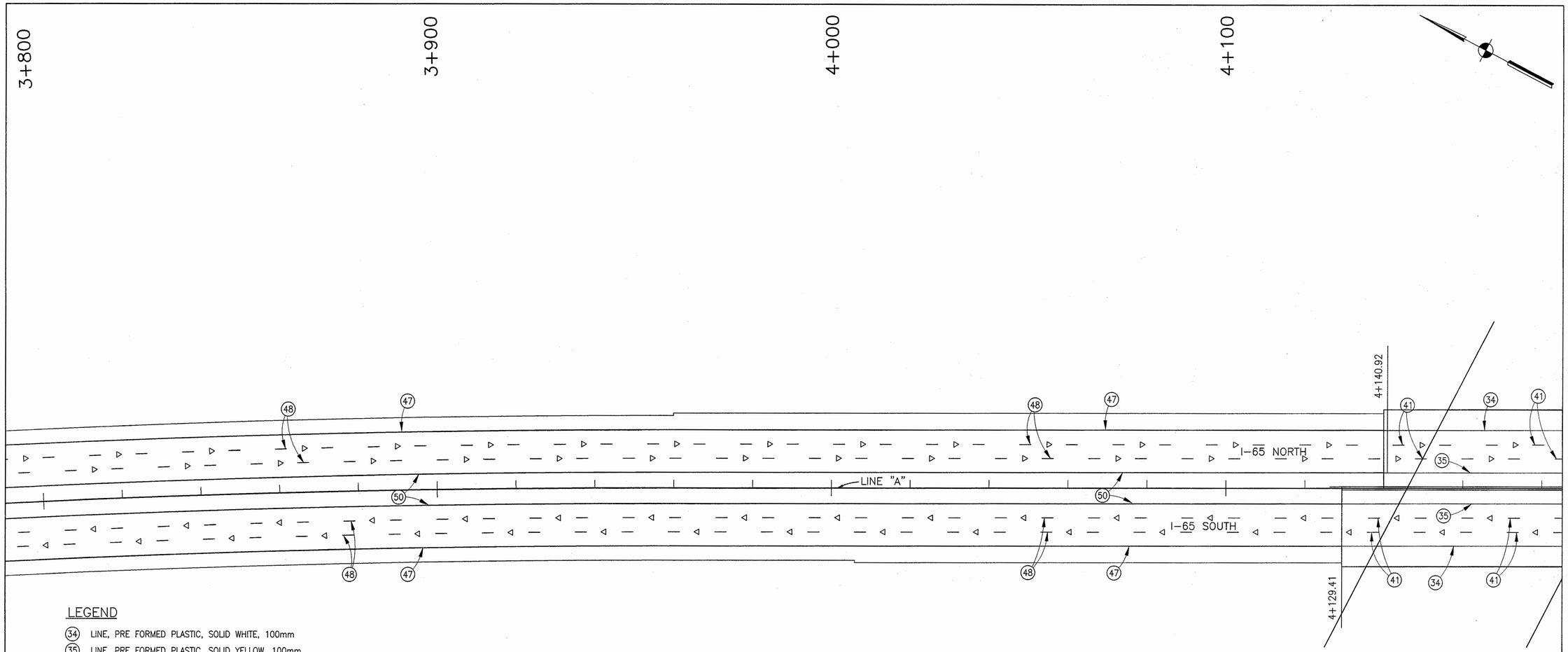

LEGEND

- (34) LINE, PRE FORMED PLASTIC, SOLID WHITE, 100mm
- (35) LINE, PRE FORMED PLASTIC, SOLID YELLOW, 100mm
- (36) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WRONG WAY RAMP ARROW
- (37) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WORD (ONLY)
- (38) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, LANE INDICATION ARROW
- (41) LINE, PRE FORMED PLASTIC, BROKEN, WHITE, 125mm
- (42) LINE, PRE FORMED PLASTIC, SOLID, WHITE, 200mm
- (43) TRANSVERSE MARKING PERFORMED PLASTIC, SOLID WHITE CROSSHATCH, 600mm
- (44) TRANSVERSE MARKING, THERMOPLASTIC, SOLID WHITE CROSSHATCH LINE, 300mm
- (45) TRANSVERSE MARKING, THERMOPLASTIC, STOP LINE, 600mm
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- (48) LINE, THERMOPLASTIC, BROKEN, WHITE, 125mm
- (49) LINE, THERMOPLASTIC, SOLID, WHITE. 200mm
- (50) LINE, THERMOPLASTIC, SOLID, YELLOW, 100mm
- (51) LINE, THERMOPLASTIC, DOTTED, WHITE, 600mm LINE, 120mm GAP
- △ ONE-WAY, WHITE, MARKER
- △ TWO-WAY, WHITE/RED. MARKER
- ▲ TWO-WAY, YELLOW/RED, MARKER

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 9/28/01 DATE

DESIGNED: R.D.S. DRAWN: T.A.B.

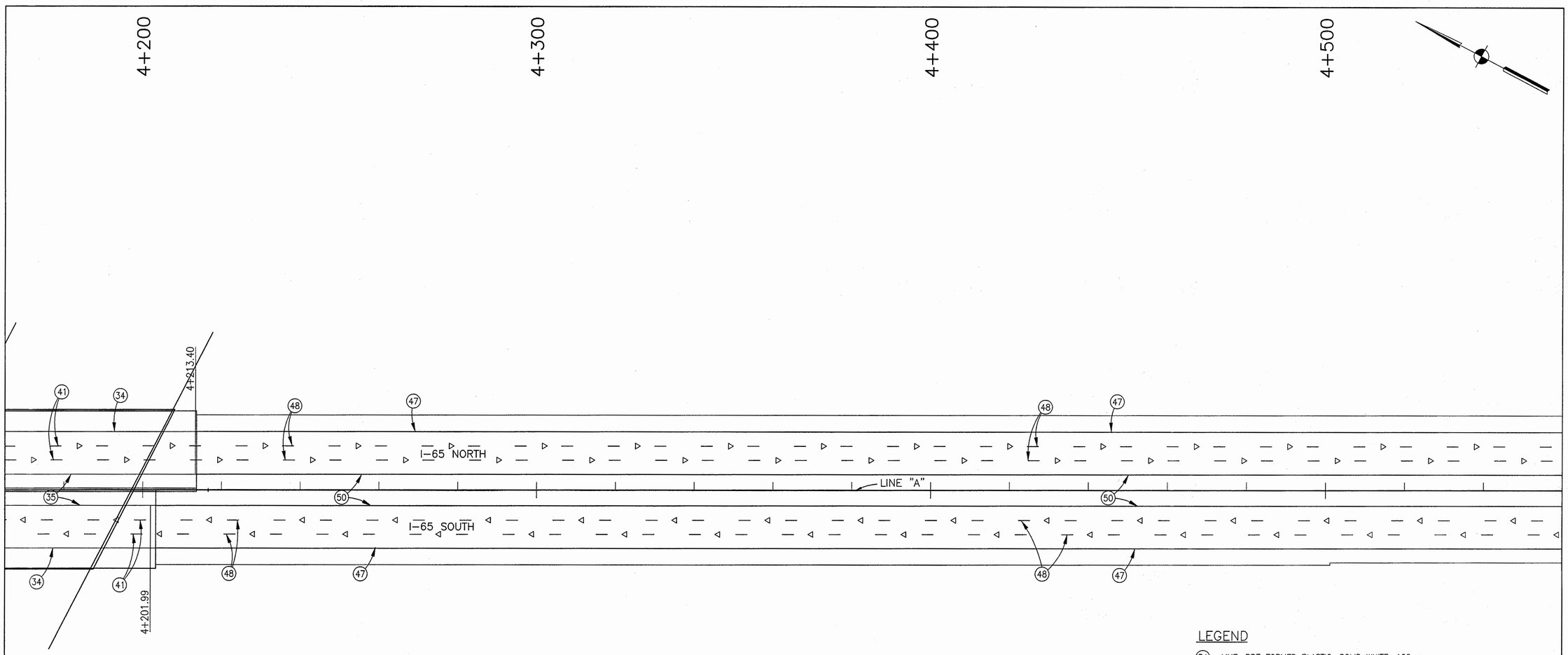
CHECKED: I.Y.S. CHECKED: I.Y.S.

INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
N/A	9614680
SURVEY BOOK	SHEETS
	206 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

Time: 11:27:28
Date: 8/22/2001
Scale: 1=1(PS)
Drawing File: K:\Drive\vdot\proj\375\ASBUILTS-DO NOT MODIFY\PAVEMENT MARKINGS\PM10.dwg (JMiller)



LEGEND

- (34) LINE, PRE FORMED PLASTIC, SOLID WHITE, 100mm
- (35) LINE, PRE FORMED PLASTIC, SOLID YELLOW, 100mm
- (36) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WRONG WAY RAMP ARROW
- (37) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WORD (ONLY)
- (38) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, LANE INDICATION ARROW
- (41) LINE, PRE FORMED PLASTIC, BROKEN, WHITE, 125mm
- (42) LINE, PRE FORMED PLASTIC, SOLID, WHITE, 200mm
- (43) TRANSVERSE MARKING PERFORMED PLASTIC, SOLID WHITE CROSSHATCH, 600mm
- (44) TRANSVERSE MARKING, THERMOPLASTIC, SOLID WHITE CROSSHATCH LINE, 300mm
- (45) TRANSVERSE MARKING, THERMOPLASTIC, STOP LINE, 600mm
- (46) TRANSVERSE MARKING, THERMOPLASTIC, SOLID, WHITE, CROSSHATCH LINE, 600mm
- (47) LINE, THERMOPLASTIC, SOLID, WHITE. 100mm
- (48) LINE, THERMOPLASTIC, BROKEN, WHITE, 125mm
- (49) LINE, THERMOPLASTIC, SOLID, WHITE. 200mm
- (50) LINE, THERMOPLASTIC, SOLID, YELLOW, 100mm
- (51) LINE, THERMOPLASTIC, DOTTED, WHITE, 600mm LINE, 120mm GAP
- △ ONE-WAY, WHITE, MARKER
- △ TWO-WAY, WHITE/RED. MARKER
- ▲ TWO-WAY, YELLOW/RED, MARKER

Time: 11:27:44
Date: 8/25/2001
Scale: 1=1(PS)
Drawing File: K-Drive\vdot\proj\375\ASBUILTS-DO NOT MODIFY\PAVEMENT MARKINGS\PM11.dwg (JMiller)

IBRAHIM SWIDAN
REGISTERED
No. PE19600226
STATE OF INDIANA
PROFESSIONAL ENGINEER

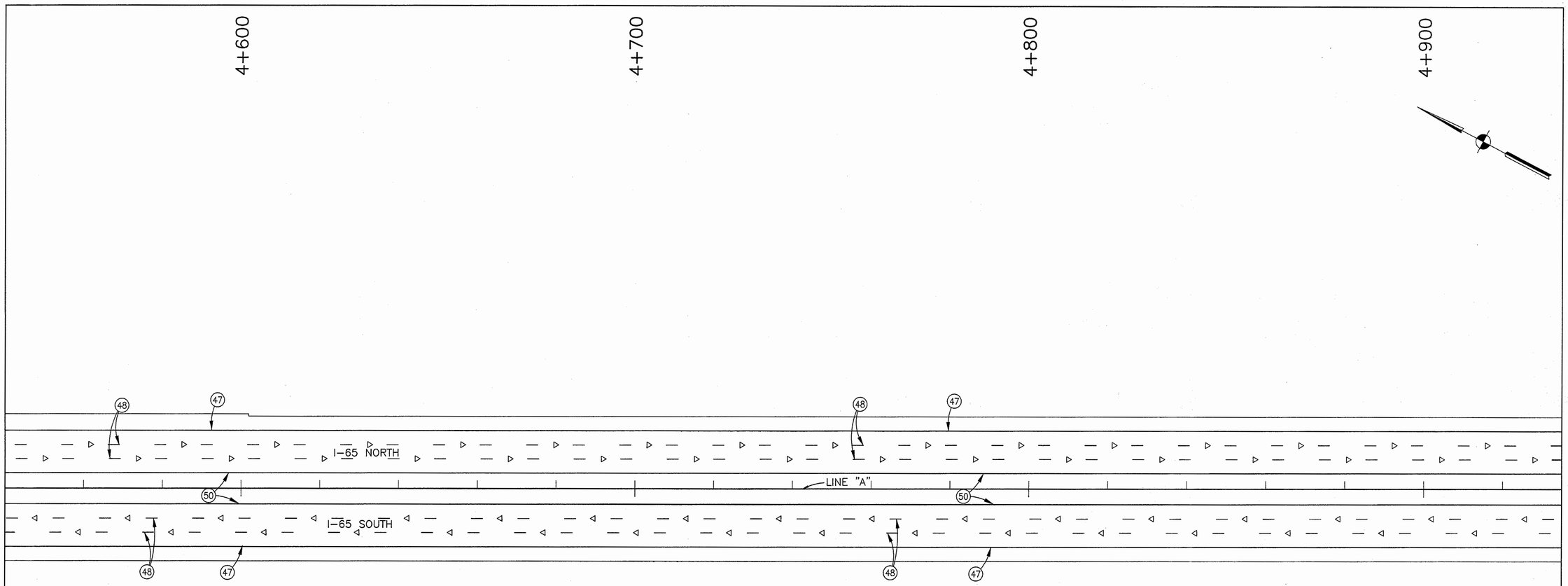
RECOMMENDED FOR APPROVAL _____ 9/28/01
DESIGN ENGINEER DATE

DESIGNED: R.D.S. DRAWN: T.A.B.
CHECKED: I.Y.S. CHECKED: I.Y.S.

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
N/A	9614680
SURVEY BOOK	SHEETS
	207 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



LEGEND

(34) LINE, PRE FORMED PLASTIC, SOLID WHITE, 100mm
(35) LINE, PRE FORMED PLASTIC, SOLID YELLOW, 100mm
(36) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WRONG WAY RAMP ARROW
(37) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WORD (ONLY)
(38) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, LANE INDICATION ARROW
(41) LINE, PRE FORMED PLASTIC, BROKEN, WHITE, 125mm
(42) LINE, PRE FORMED PLASTIC, SOLID, WHITE, 200mm
(43) TRANSVERSE MARKING PERFORMED PLASTIC, SOLID WHITE CROSSHATCH, 600mm
(44) TRANSVERSE MARKING, THERMOPLASTIC, SOLID WHITE CROSSHATCH LINE, 300mm
(45) TRANSVERSE MARKING, THERMOPLASTIC, STOP LINE, 600mm
(46) TRANSVERSE MARKING, THERMOPLASTIC, SOLID, WHITE, CROSSHATCH LINE, 600mm
(47) LINE, THERMOPLASTIC, SOLID, WHITE. 100mm
(48) LINE, THERMOPLASTIC, BROKEN, WHITE, 125mm
(49) LINE, THERMOPLASTIC, SOLID, WHITE. 200mm
(50) LINE, THERMOPLASTIC, SOLID, YELLOW, 100mm
(51) LINE, THERMOPLASTIC, DOTTED, WHITE, 600mm LINE, 120mm GAP
△ ONE-WAY, WHITE, MARKER
TWO-WAY, WHITE/RED. MARKER
TWO-WAY, YELLOW/RED, MARKER

Time: 11:24:50
Date: 9/24/2001
Scale: 1=1.3(PS)
Drawing File: K-Drive\sdsk\proj\375\ASBUILTS-DO NOT MODIFY\PAVEMENT MARKINGS\PM12.dwg (JMiller)

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

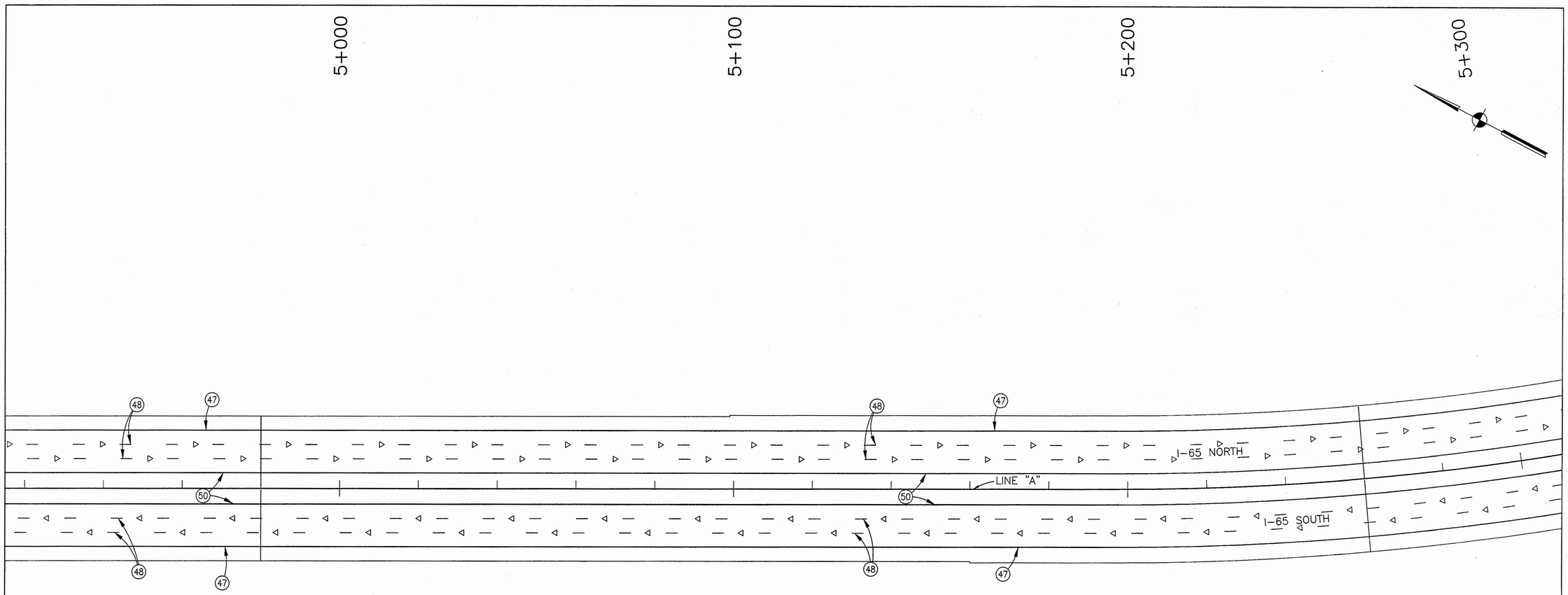
RECOMMENDED FOR APPROVAL _____ 9/28/01
DESIGN ENGINEER DATE

DESIGNED: R.D.S. DRAWN: T.A.B.
CHECKED: I.Y.S. CHECKED: I.Y.S.

INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
N/A	9614680
SURVEY BOOK	SHEETS
	208 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



LEGEND

(34) LINE, PRE FORMED PLASTIC, SOLID WHITE, 100mm
(35) LINE, PRE FORMED PLASTIC, SOLID YELLOW, 100mm
(36) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WRONG WAY RAMP ARROW
(37) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WORD (ONLY)
(38) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, LANE INDICATION ARROW
(41) LINE, PRE FORMED PLASTIC, BROKEN, WHITE, 125mm
(42) LINE, PRE FORMED PLASTIC, SOLID, WHITE, 200mm
(43) TRANSVERSE MARKING PERFORMED PLASTIC, SOLID WHITE CROSSHATCH, 600mm
(44) TRANSVERSE MARKING, THERMOPLASTIC, SOLID WHITE CROSSHATCH LINE, 300mm
(45) TRANSVERSE MARKING, THERMOPLASTIC, STOP LINE, 600mm
(46) TRANSVERSE MARKING, THERMOPLASTIC, SOLID, WHITE, CROSSHATCH LINE, 600mm
(47) LINE, THERMOPLASTIC, SOLID, WHITE. 100mm
(48) LINE, THERMOPLASTIC, BROKEN, WHITE, 125mm
(49) LINE, THERMOPLASTIC, SOLID, WHITE. 200mm
(50) LINE, THERMOPLASTIC, SOLID, YELLOW, 100mm
(51) LINE, THERMOPLASTIC, DOTTED, WHITE, 600mm LINE, 120mm GAP
△ ONE-WAY, WHITE, MARKER
△ TWO-WAY, WHITE/RED. MARKER
▲ TWO-WAY, YELLOW/RED, MARKER

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ 9/28/01
DESIGN ENGINEER DATE

DESIGNED: R.D.S. DRAWN: T.A.B.
CHECKED: I.Y.S. CHECKED: I.Y.S.

INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
N/A	9614680
SURVEY BOOK	SHEETS
	209 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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Date: 8/25/2001
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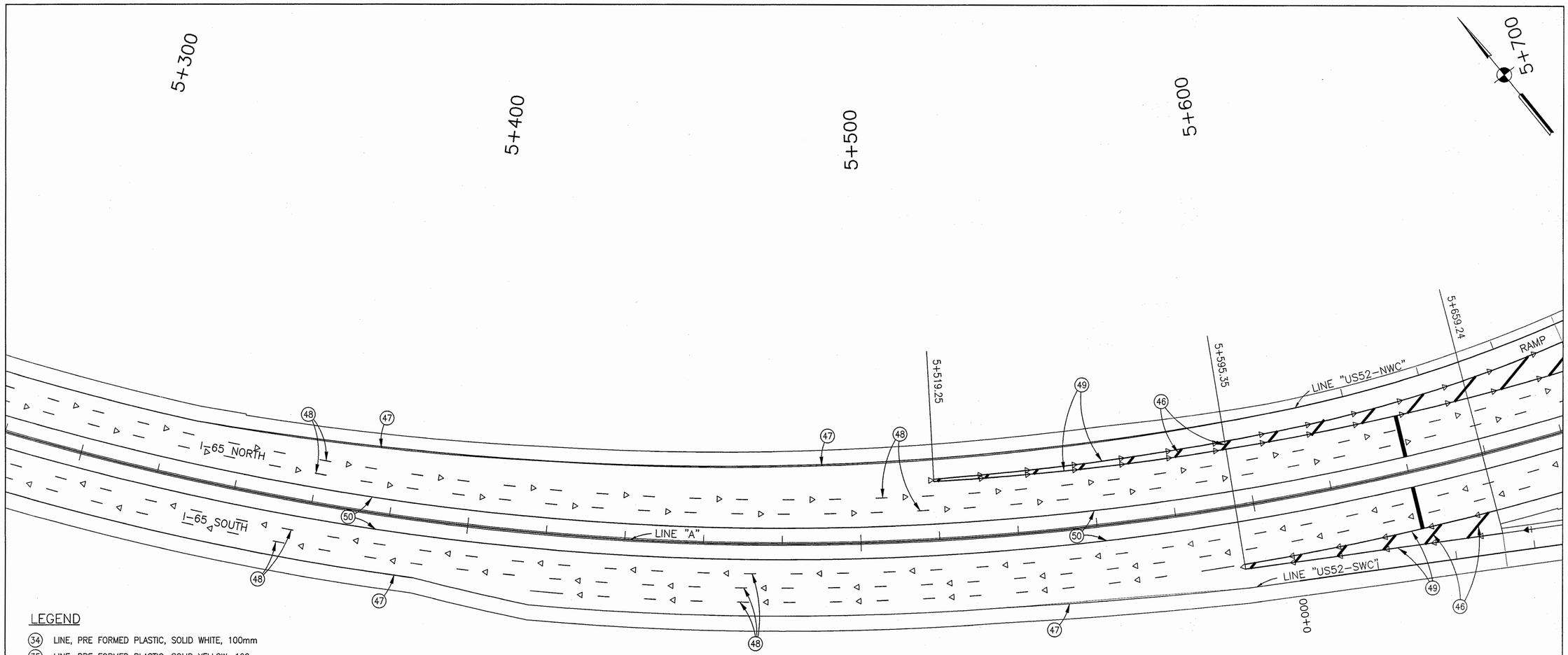

LEGEND

(34) LINE, PRE FORMED PLASTIC, SOLID WHITE, 100mm
(35) LINE, PRE FORMED PLASTIC, SOLID YELLOW, 100mm
(36) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WRONG WAY RAMP ARROW
(37) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WORD (ONLY)
(38) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, LANE INDICATION ARROW
(41) LINE, PRE FORMED PLASTIC, BROKEN, WHITE, 125mm
(42) LINE, PRE FORMED PLASTIC, SOLID, WHITE, 200mm
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(44) TRANSVERSE MARKING, THERMOPLASTIC, SOLID WHITE CROSSHATCH LINE, 300mm
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(48) LINE, THERMOPLASTIC, BROKEN, WHITE, 125mm
(49) LINE, THERMOPLASTIC, SOLID, WHITE. 200mm
(50) LINE, THERMOPLASTIC, SOLID, YELLOW, 100mm
(51) LINE, THERMOPLASTIC, DOTTED, WHITE, 600mm LINE, 120mm GAP
△ ONE-WAY, WHITE, MARKER
△ TWO-WAY, WHITE/RED. MARKER
▲ TWO-WAY, YELLOW/RED, MARKER

IBRAHIM S. SWIDAN
REGISTERED
No. PE19600226
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ 9/28/01
DESIGN ENGINEER DATE

DESIGNED: R.D.S. DRAWN: T.A.B.
CHECKED: I.Y.S. CHECKED: I.Y.S.

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
N/A	9614680
SURVEY BOOK	SHEETS
	210 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

Time: 8:26:29
Date: 8/24/2001
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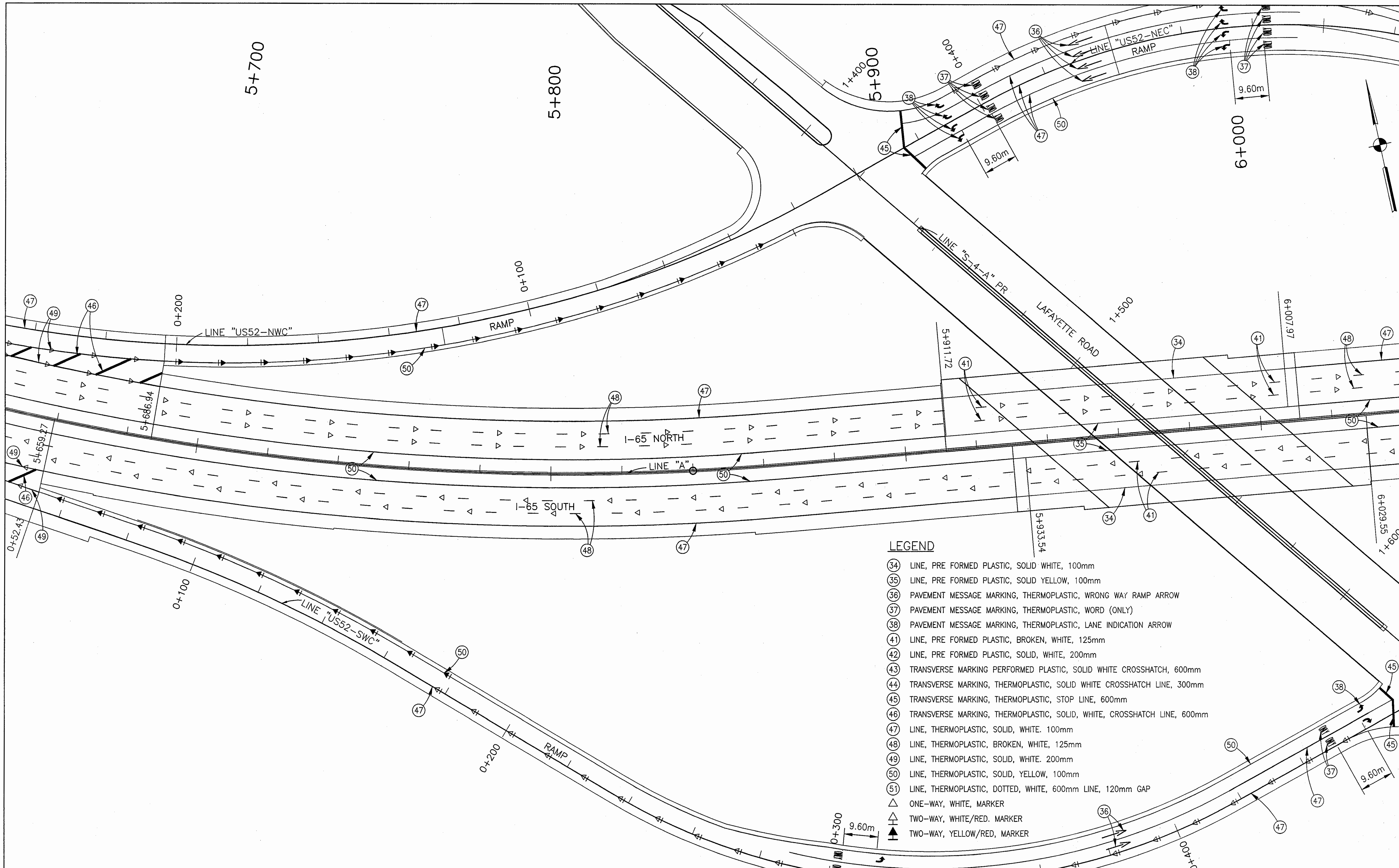

LEGEND

- (34) LINE, PRE FORMED PLASTIC, SOLID WHITE, 100mm
- (35) LINE, PRE FORMED PLASTIC, SOLID YELLOW, 100mm
- (36) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WRONG WAY RAMP ARROW
- (37) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WORD (ONLY)
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- (41) LINE, PRE FORMED PLASTIC, BROKEN, WHITE, 125mm
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- (44) TRANSVERSE MARKING, THERMOPLASTIC, SOLID WHITE CROSSHATCH LINE, 300mm
- (45) TRANSVERSE MARKING, THERMOPLASTIC, STOP LINE, 600mm
- (46) TRANSVERSE MARKING, THERMOPLASTIC, SOLID, WHITE, CROSSHATCH LINE, 600mm
- (47) LINE, THERMOPLASTIC, SOLID, WHITE. 100mm
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- △ ONE-WAY, WHITE, MARKER
- TWO-WAY, WHITE/RED. MARKER
- ▲ TWO-WAY, YELLOW/RED, MARKER

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	9/28/01	DATE
DESIGNED: R.D.S.		DRAWN: T.A.B.	
CHECKED: I.Y.S.		CHECKED: I.Y.S.	

INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
N/A	9614680
SURVEY BOOK	SHEETS
	211 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

Time: 11:27:34
Date: 8/25/2003
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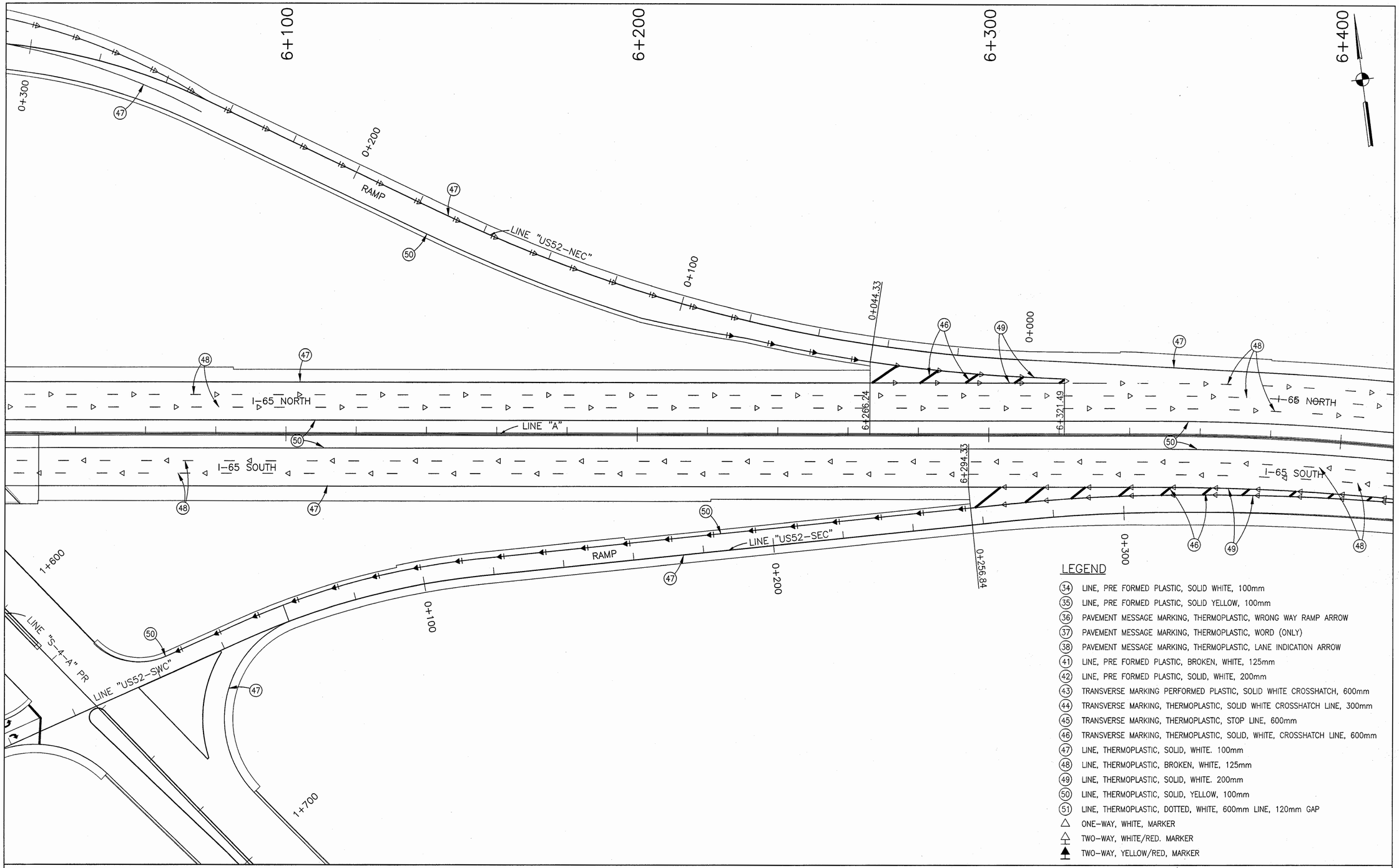

LEGEND

- (34) LINE, PRE FORMED PLASTIC, SOLID WHITE, 100mm
- (35) LINE, PRE FORMED PLASTIC, SOLID YELLOW, 100mm
- (36) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WRONG WAY RAMP ARROW
- (37) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WORD (ONLY)
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- (44) TRANSVERSE MARKING, THERMOPLASTIC, SOLID WHITE CROSSHATCH LINE, 300mm
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- (49) LINE, THERMOPLASTIC, SOLID, WHITE. 200mm
- (50) LINE, THERMOPLASTIC, SOLID, YELLOW, 100mm
- (51) LINE, THERMOPLASTIC, DOTTED, WHITE, 600mm LINE, 120mm GAP
- △ ONE-WAY, WHITE, MARKER
- △ TWO-WAY, WHITE/RED. MARKER
- ▲ TWO-WAY, YELLOW/RED, MARKER

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ 9/28/01
DESIGN ENGINEER DATE

DESIGNED: R.D.S. DRAWN: T.A.B.
CHECKED: I.Y.S. CHECKED: I.Y.S.

INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
N/A	9614680
SURVEY BOOK	SHEETS
	212 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

Time: 11:28:00
Date: 8/25/2001
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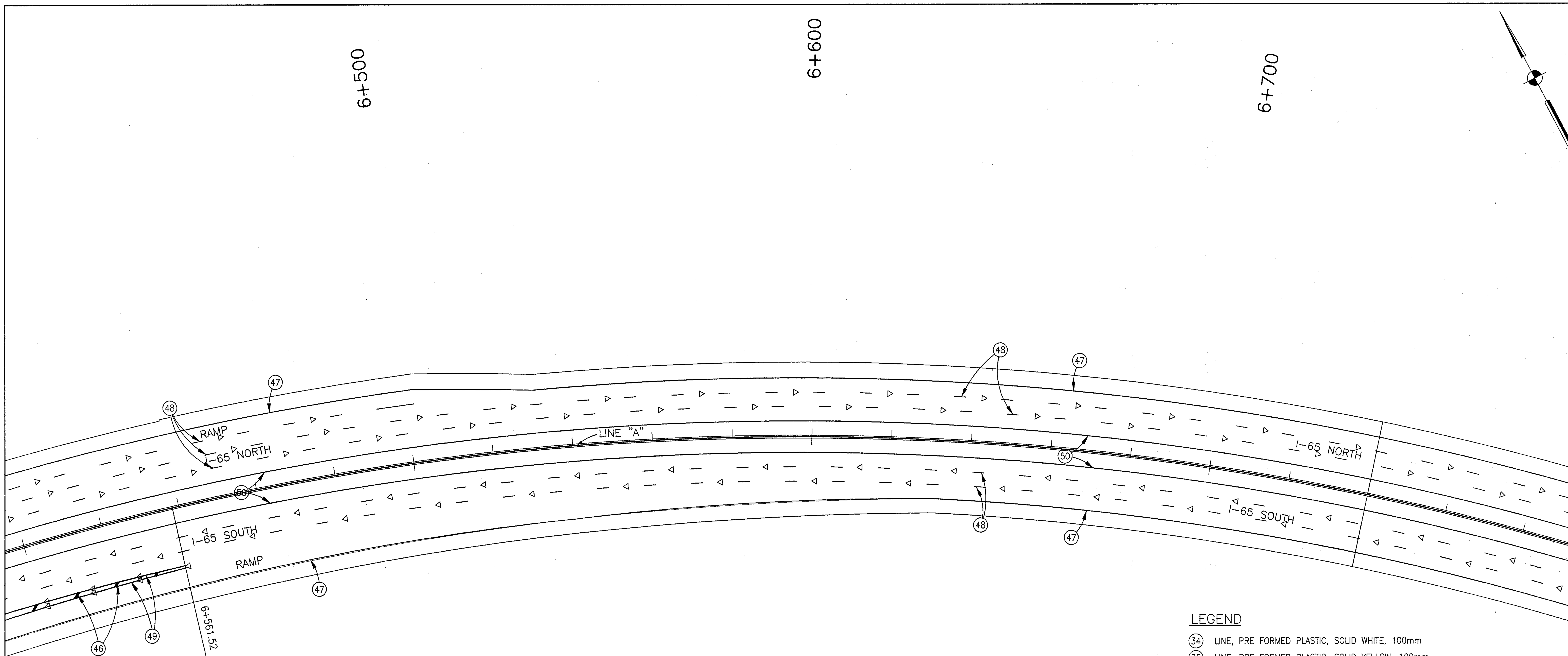


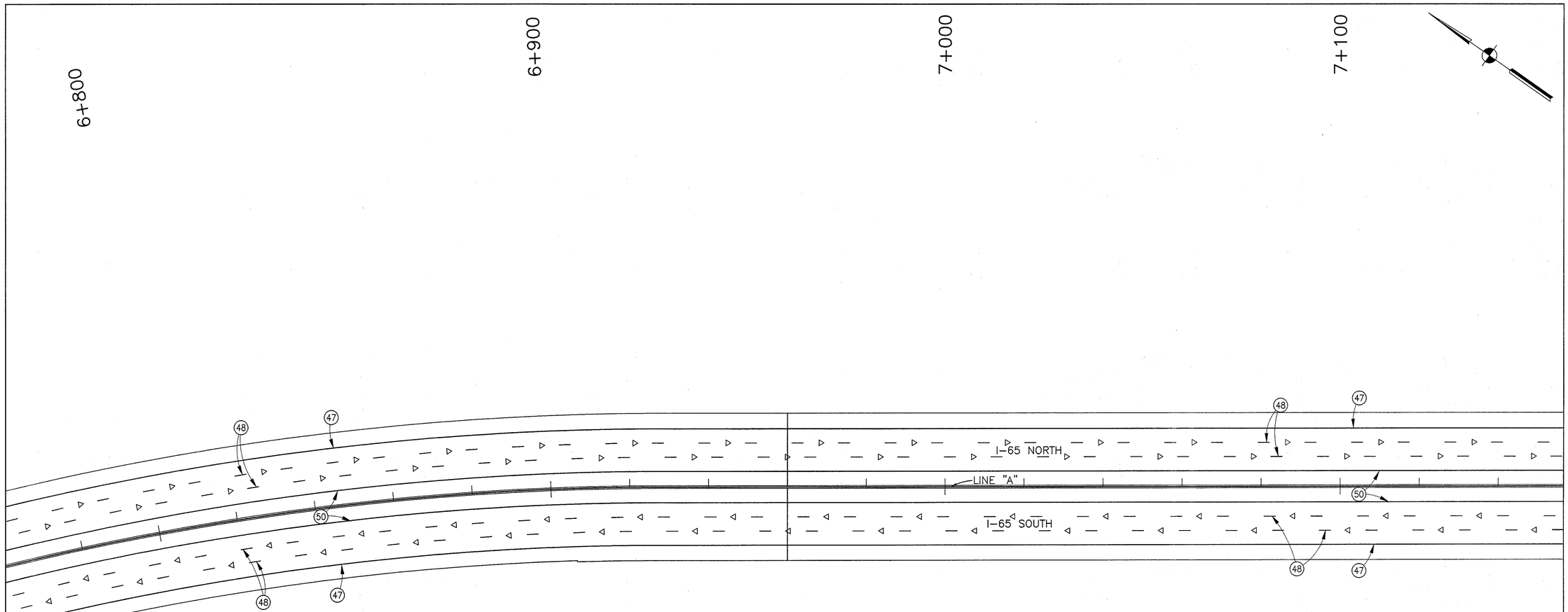
LEGEND

- (34) LINE, PRE FORMED PLASTIC, SOLID WHITE, 100mm
- (35) LINE, PRE FORMED PLASTIC, SOLID YELLOW, 100mm
- (36) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WRONG WAY RAMP ARROW
- (37) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WORD (ONLY)
- (38) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, LANE INDICATION ARROW
- (41) LINE, PRE FORMED PLASTIC, BROKEN, WHITE, 125mm
- (42) LINE, PRE FORMED PLASTIC, SOLID, WHITE, 200mm
- (43) TRANSVERSE MARKING PERFORMED PLASTIC, SOLID WHITE CROSSHATCH, 600mm
- (44) TRANSVERSE MARKING, THERMOPLASTIC, SOLID WHITE CROSSHATCH LINE, 300mm
- (45) TRANSVERSE MARKING, THERMOPLASTIC, STOP LINE, 600mm
- (46) TRANSVERSE MARKING, THERMOPLASTIC, SOLID, WHITE, CROSSHATCH LINE, 600mm
- (47) LINE, THERMOPLASTIC, SOLID, WHITE. 100mm
- (48) LINE, THERMOPLASTIC, BROKEN, WHITE, 125mm
- (49) LINE, THERMOPLASTIC, SOLID, WHITE. 200mm
- (50) LINE, THERMOPLASTIC, SOLID, YELLOW, 100mm
- (51) LINE, THERMOPLASTIC, DOTTED, WHITE, 600mm LINE, 120mm GAP
- △ ONE-WAY, WHITE, MARKER
- △ TWO-WAY, WHITE/RED. MARKER
- ▲ TWO-WAY, YELLOW/RED, MARKER

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] DESIGN ENGINEER	9/28/01 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1:500
DESIGNED: R.D.S.	DRAWN: T.A.B.	PAVEMENT MARKING DETAILS	VERTICAL SCALE N/A
CHECKED: I.Y.S.	CHECKED: I.Y.S.		

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE N/A	DESIGNATION 9614680
SURVEY BOOK	SHEETS 213 of 520
CONTRACT R-24327	PROJECT IM-65-3(281)118



LEGEND

- (34) LINE, PRE FORMED PLASTIC, SOLID WHITE, 100mm
- (35) LINE, PRE FORMED PLASTIC, SOLID YELLOW, 100mm
- (36) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WRONG WAY RAMP ARROW
- (37) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WORD (ONLY)
- (38) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, LANE INDICATION ARROW
- (41) LINE, PRE FORMED PLASTIC, BROKEN, WHITE, 125mm
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- (48) LINE, THERMOPLASTIC, BROKEN, WHITE, 125mm
- (49) LINE, THERMOPLASTIC, SOLID, WHITE. 200mm
- (50) LINE, THERMOPLASTIC, SOLID, YELLOW, 100mm
- (51) LINE, THERMOPLASTIC, DOTTED, WHITE, 600mm LINE, 120mm GAP
- △ ONE-WAY, WHITE, MARKER
- △ TWO-WAY, WHITE/RED. MARKER
- ▲ TWO-WAY, YELLOW/RED, MARKER

IBRAHIM I. SWAIDAN
REGISTERED
No. PE19600226
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ 9/28/01
DESIGN ENGINEER DATE

DESIGNED: R.D.S. DRAWN: T.A.B.
CHECKED: I.Y.S. CHECKED: I.Y.S.

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
N/A	9614680
SURVEY BOOK	SHEETS
	214 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

Time: 1:29:49
Date: 9/28/2001
Scale: 1"=1'(PS)
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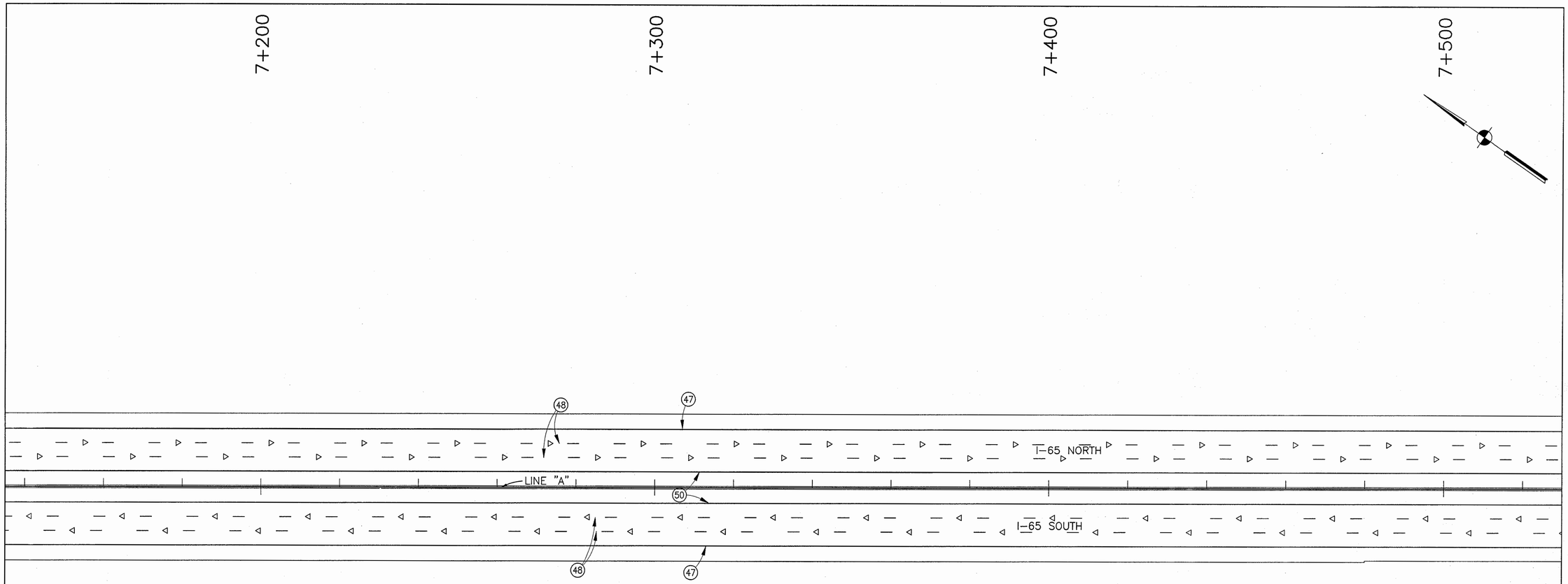

LEGEND

(34) LINE, PRE FORMED PLASTIC, SOLID WHITE, 100mm
(35) LINE, PRE FORMED PLASTIC, SOLID YELLOW, 100mm
(36) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WRONG WAY RAMP ARROW
(37) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WORD (ONLY)
(38) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, LANE INDICATION ARROW
(41) LINE, PRE FORMED PLASTIC, BROKEN, WHITE, 125mm
(42) LINE, PRE FORMED PLASTIC, SOLID, WHITE, 200mm
(43) TRANSVERSE MARKING PERFORMED PLASTIC, SOLID WHITE CROSSHATCH, 600mm
(44) TRANSVERSE MARKING, THERMOPLASTIC, SOLID WHITE CROSSHATCH LINE, 300mm
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(46) TRANSVERSE MARKING, THERMOPLASTIC, SOLID, WHITE, CROSSHATCH LINE, 600mm
(47) LINE, THERMOPLASTIC, SOLID, WHITE. 100mm
(48) LINE, THERMOPLASTIC, BROKEN, WHITE, 125mm
(49) LINE, THERMOPLASTIC, SOLID, WHITE. 200mm
(50) LINE, THERMOPLASTIC, SOLID, YELLOW, 100mm
(51) LINE, THERMOPLASTIC, DOTTED, WHITE, 600mm LINE, 120mm GAP
△ ONE-WAY, WHITE, MARKER
△ TWO-WAY, WHITE/RED. MARKER
▲ TWO-WAY, YELLOW/RED, MARKER

Time: 11:11:?
Date: 8/24/2001
Scale: 1 in 1.3(PS)
Drawing File: K:\drive\pdsk\proj\375\ASBUILTS-DO NOT MODIFY\PAVEMENT MARKINGS\PM419.dwg (JMiller)

IBRAHIM T. SWIDAN
REGISTERED
No. PE19600226
STATE OF INDIANA
PROFESSIONAL ENGINEER

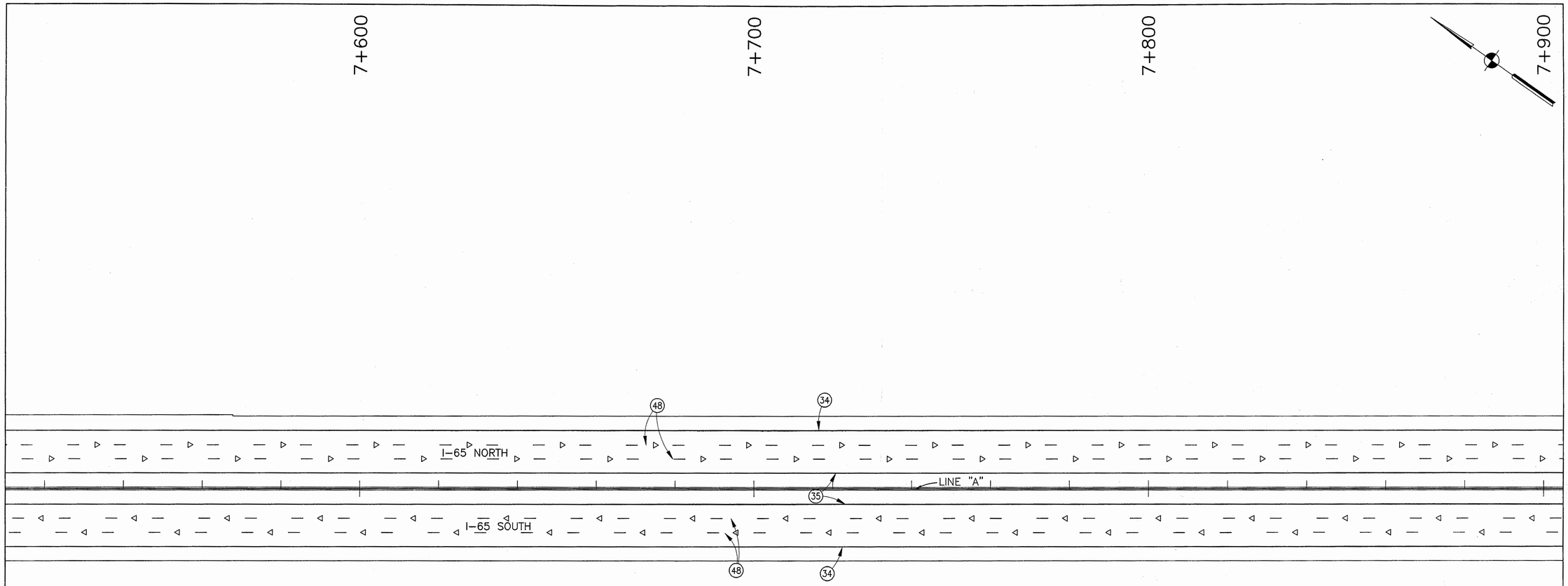
RECOMMENDED FOR APPROVAL _____ 9/28/01
DESIGN ENGINEER DATE

DESIGNED: R.D.S. DRAWN: T.A.B.
CHECKED: I.Y.S. CHECKED: I.Y.S.

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
N/A	9614680
SURVEY BOOK	SHEETS
	215 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



LEGEND

- (34) LINE, PRE FORMED PLASTIC, SOLID WHITE, 100mm
- (35) LINE, PRE FORMED PLASTIC, SOLID YELLOW, 100mm
- (36) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WRONG WAY RAMP ARROW
- (37) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WORD (ONLY)
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- (48) LINE, THERMOPLASTIC, BROKEN, WHITE, 125mm
- (49) LINE, THERMOPLASTIC, SOLID, WHITE. 200mm
- (50) LINE, THERMOPLASTIC, SOLID, YELLOW, 100mm
- (51) LINE, THERMOPLASTIC, DOTTED, WHITE, 600mm LINE, 120mm GAP
- △ ONE-WAY, WHITE, MARKER
- △ TWO-WAY, WHITE/RED. MARKER
- ▲ TWO-WAY, YELLOW/RED, MARKER

IBRAHIM SWIDAN
REGISTERED
No. PE19600226
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ 9/28/01
DESIGN ENGINEER DATE

DESIGNED: R.D.S. DRAWN: T.A.B.
CHECKED: I.Y.S. CHECKED: I.Y.S.

INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
N/A	9614680
SURVEY BOOK	SHEETS
	216 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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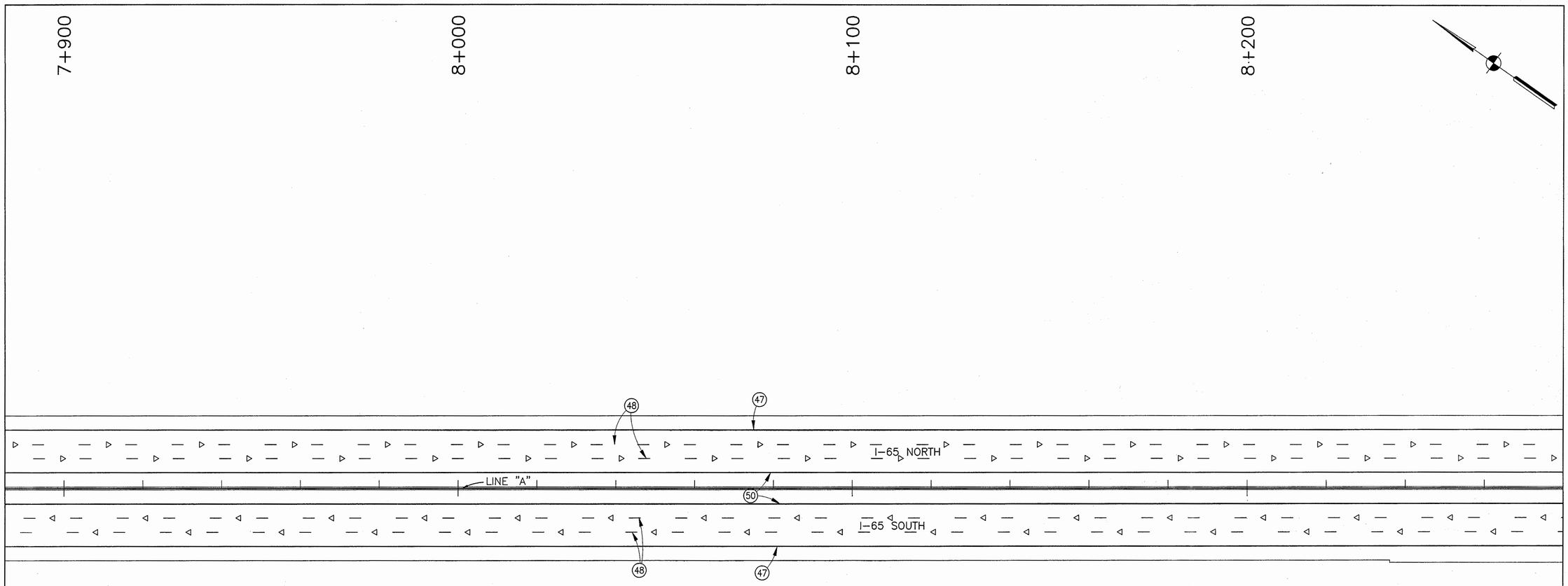

LEGEND

- (34) LINE, PRE FORMED PLASTIC, SOLID WHITE, 100mm
- (35) LINE, PRE FORMED PLASTIC, SOLID YELLOW, 100mm
- (36) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WRONG WAY RAMP ARROW
- (37) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WORD (ONLY)
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- (44) TRANSVERSE MARKING, THERMOPLASTIC, SOLID WHITE CROSSHATCH LINE, 300mm
- (45) TRANSVERSE MARKING, THERMOPLASTIC, STOP LINE, 600mm
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- (48) LINE, THERMOPLASTIC, BROKEN, WHITE, 125mm
- (49) LINE, THERMOPLASTIC, SOLID, WHITE. 200mm
- (50) LINE, THERMOPLASTIC, SOLID, YELLOW, 100mm
- (51) LINE, THERMOPLASTIC, DOTTED, WHITE, 600mm LINE, 120mm GAP
- △ ONE-WAY, WHITE, MARKER
- △ TWO-WAY, WHITE/RED. MARKER
- ▲ TWO-WAY, YELLOW/RED, MARKER

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Date: 9/28/2001
Scale: 1=1(PS)
Drawing File: K:\drive\sdak\proj\375\ASBUILTS-DO NOT MODIFY\PAVEMENT MARKINGS\PM21.dwg (JMiller)

BRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

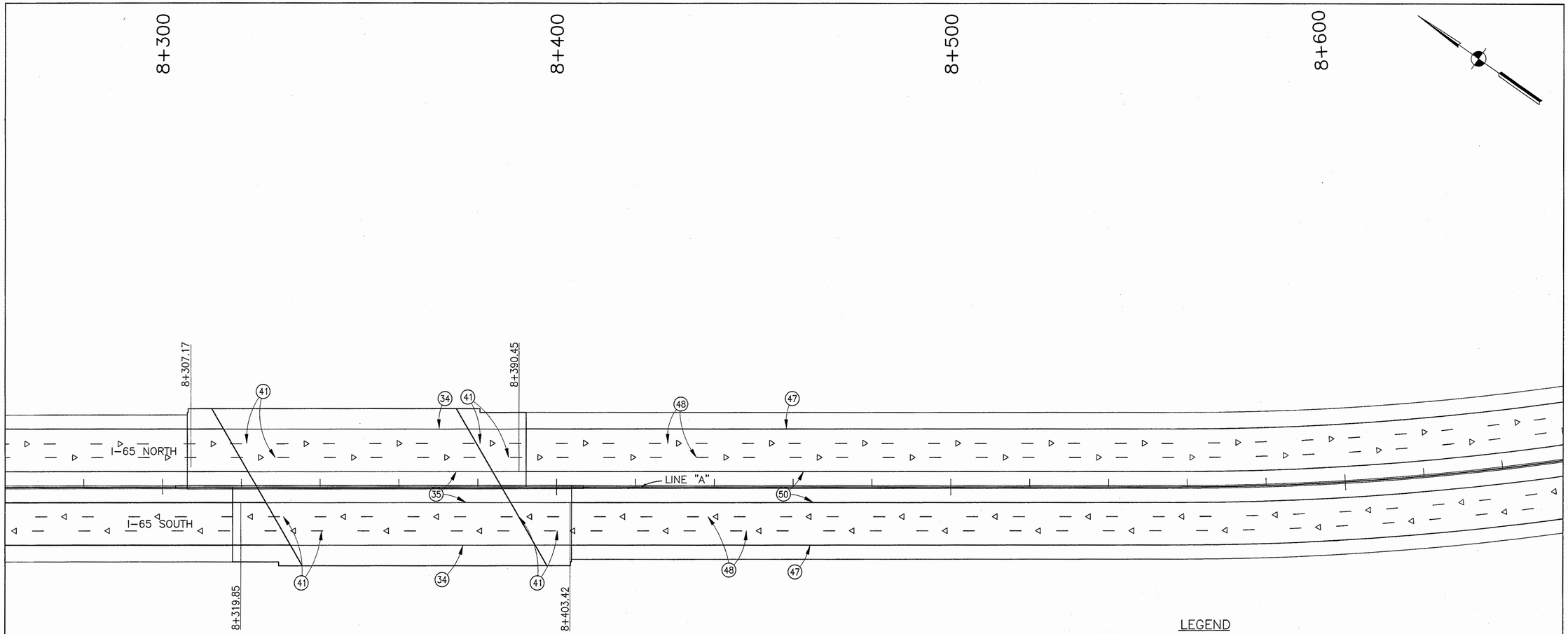
RECOMMENDED FOR APPROVAL Ibrahim Swidan 9/28/01
DESIGN ENGINEER DATE

DESIGNED: R.D.S. DRAWN: T.A.B.
CHECKED: I.Y.S. CHECKED: I.Y.S.

INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
N/A	9614680
SURVEY BOOK	SHEETS
	217 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



LEGEND

- (34) LINE, PRE FORMED PLASTIC, SOLID WHITE, 100mm
- (35) LINE, PRE FORMED PLASTIC, SOLID YELLOW, 100mm
- (36) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WRONG WAY RAMP ARROW
- (37) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WORD (ONLY)
- (38) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, LANE INDICATION ARROW
- (41) LINE, PRE FORMED PLASTIC, BROKEN, WHITE, 125mm
- (42) LINE, PRE FORMED PLASTIC, SOLID, WHITE, 200mm
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- (44) TRANSVERSE MARKING, THERMOPLASTIC, SOLID WHITE CROSSHATCH LINE, 300mm
- (45) TRANSVERSE MARKING, THERMOPLASTIC, STOP LINE, 600mm
- (46) TRANSVERSE MARKING, THERMOPLASTIC, SOLID, WHITE, CROSSHATCH LINE, 600mm
- (47) LINE, THERMOPLASTIC, SOLID, WHITE. 100mm
- (48) LINE, THERMOPLASTIC, BROKEN, WHITE, 125mm
- (49) LINE, THERMOPLASTIC, SOLID, WHITE. 200mm
- (50) LINE, THERMOPLASTIC, SOLID, YELLOW, 100mm
- (51) LINE, THERMOPLASTIC, DOTTED, WHITE, 600mm LINE, 120mm GAP
- △ ONE-WAY, WHITE, MARKER
- △ TWO-WAY, WHITE/RED. MARKER
- ▲ TWO-WAY, YELLOW/RED, MARKER

IBRAHIM SWIDAN
REGISTERED
No. PE19600226
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER 9/28/01 DATE

DESIGNED: R.D.S. DRAWN: T.A.B.
CHECKED: I.Y.S. CHECKED: I.Y.S.

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
N/A	9614680
SURVEY BOOK	SHEETS
	218 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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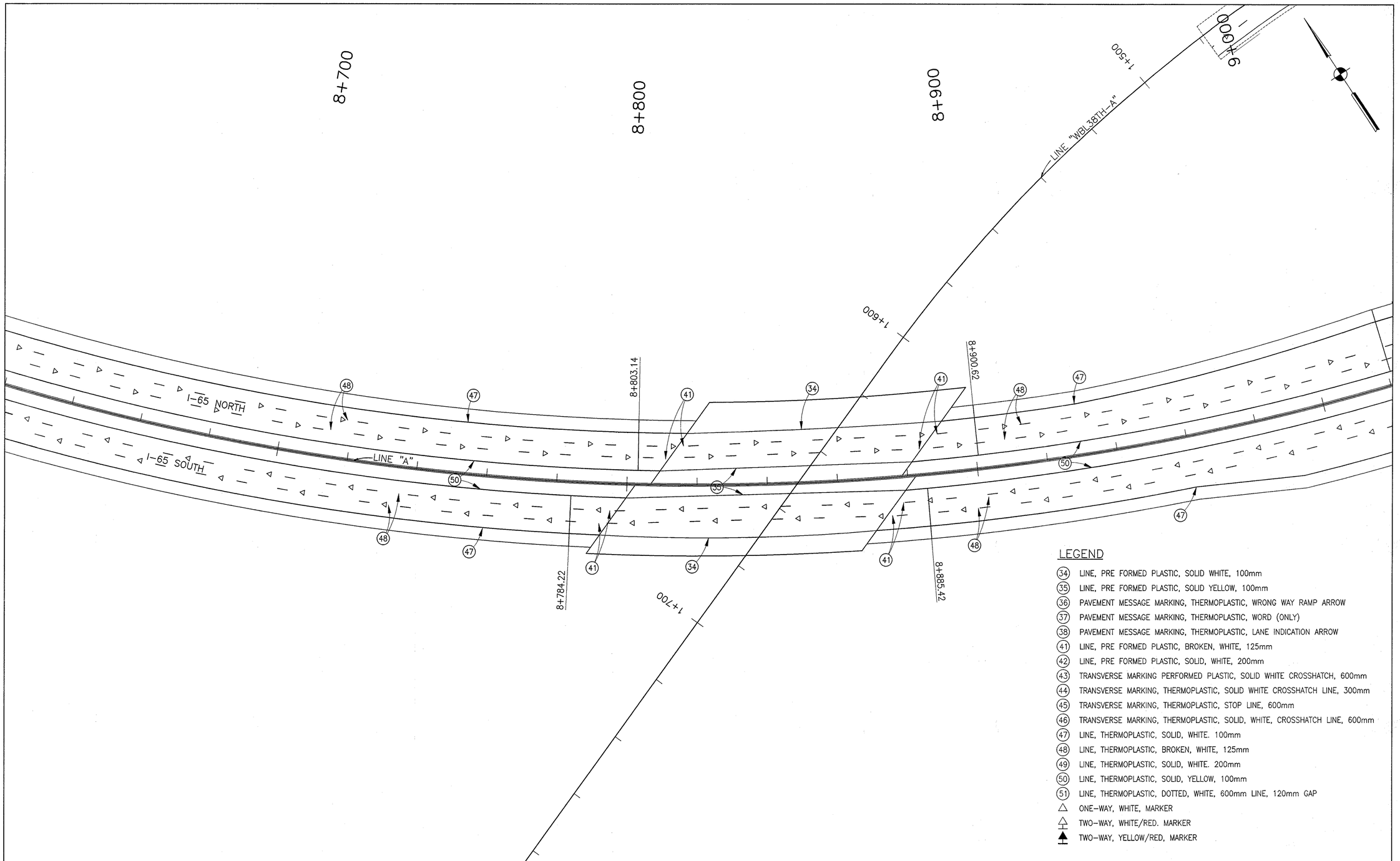

LEGEND

- (34) LINE, PRE FORMED PLASTIC, SOLID WHITE, 100mm
- (35) LINE, PRE FORMED PLASTIC, SOLID YELLOW, 100mm
- (36) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WRONG WAY RAMP ARROW
- (37) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WORD (ONLY)
- (38) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, LANE INDICATION ARROW
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- (49) LINE, THERMOPLASTIC, SOLID, WHITE. 200mm
- (50) LINE, THERMOPLASTIC, SOLID, YELLOW, 100mm
- (51) LINE, THERMOPLASTIC, DOTTED, WHITE, 600mm LINE, 120mm GAP
- △ ONE-WAY, WHITE, MARKER
- △ TWO-WAY, WHITE/RED. MARKER
- ▲ TWO-WAY, YELLOW/RED, MARKER

IBRAHIM SWIDAN
REGISTERED
No. PE19600226
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER — DATE 9/28/01

DESIGNED: R.D.S. DRAWN: T.A.B.
CHECKED: I.Y.S. CHECKED: I.Y.S.

INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
N/A	9614680
SURVEY BOOK	SHEETS
	219 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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Date: 9/27/2001
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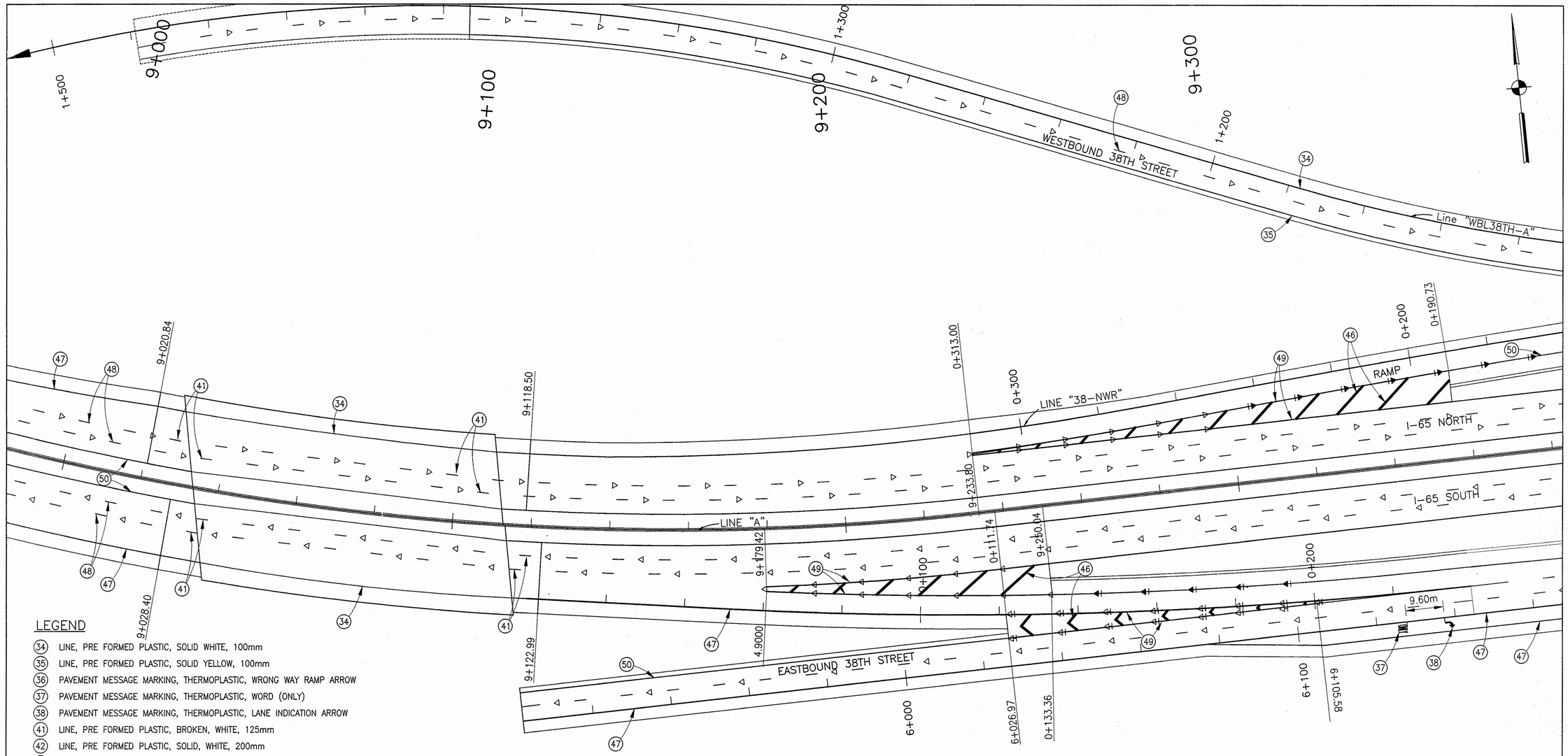

LEGEND

(34) LINE, PRE FORMED PLASTIC, SOLID WHITE, 100mm
(35) LINE, PRE FORMED PLASTIC, SOLID YELLOW, 100mm
(36) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WRONG WAY RAMP ARROW
(37) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WORD (ONLY)
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(41) LINE, PRE FORMED PLASTIC, BROKEN, WHITE, 125mm
(42) LINE, PRE FORMED PLASTIC, SOLID, WHITE, 200mm
(43) TRANSVERSE MARKING PERFORMED PLASTIC, SOLID WHITE CROSSHATCH, 600mm
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(47) LINE, THERMOPLASTIC, SOLID, WHITE. 100mm
(48) LINE, THERMOPLASTIC, BROKEN, WHITE, 125mm
(49) LINE, THERMOPLASTIC, SOLID, WHITE. 200mm
(50) LINE, THERMOPLASTIC, SOLID, YELLOW, 100mm
(51) LINE, THERMOPLASTIC, DOTTED, WHITE, 600mm LINE, 120mm GAP
△ ONE-WAY, WHITE, MARKER
△ TWO-WAY, WHITE/RED. MARKER
▲ TWO-WAY, YELLOW/RED, MARKER

Time: 11:35:1
Date: 8/25/2001
Scale: 1=1:3(PS)
Drawing File: P:\Drive1\sdsk\proj\375\ASBUILTS-DO NOT MODIFY\PAVEMENT MARKINGS\PM24.dwg (JMiller)

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

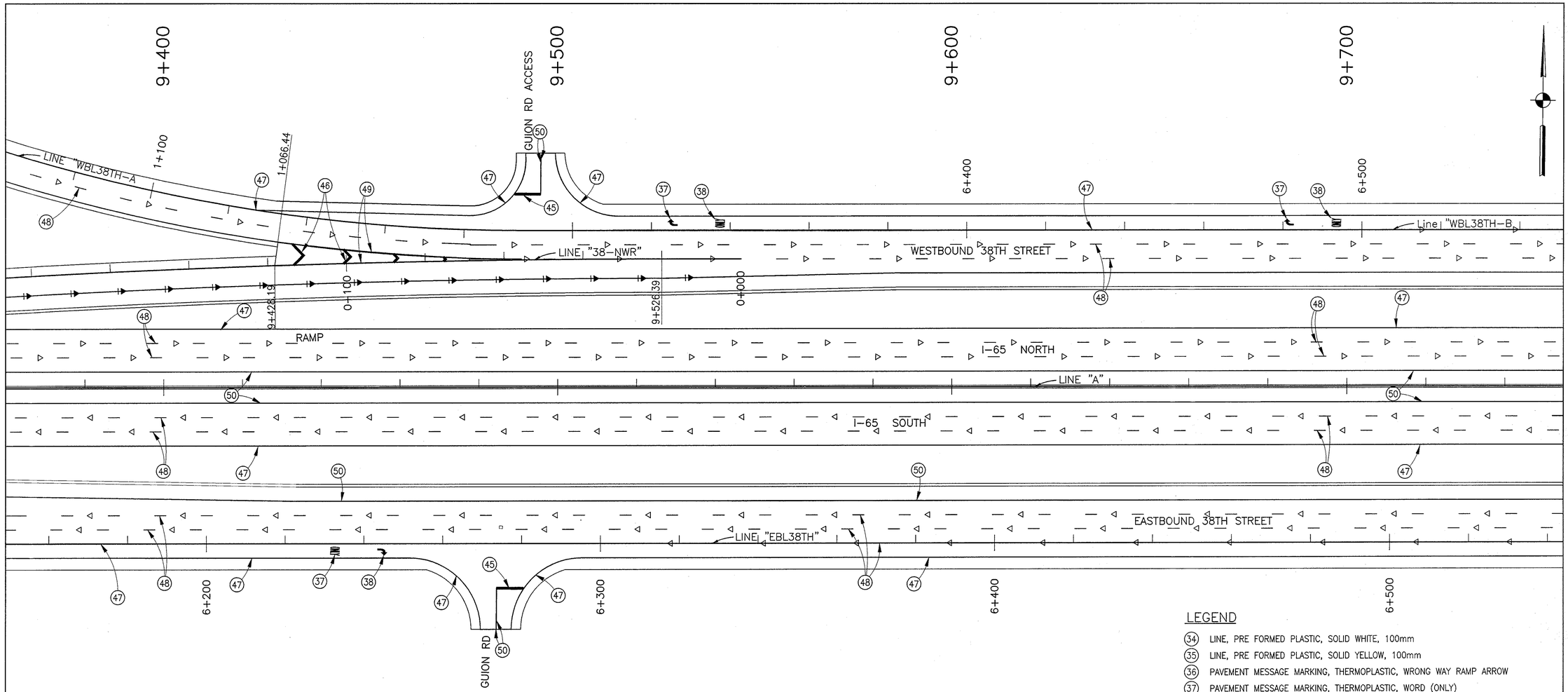
RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 9/28/01 DATE

DESIGNED: R.D.S. DRAWN: T.A.B.
CHECKED: I.Y.S. CHECKED: I.Y.S.

INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
N/A	9614680
SURVEY BOOK	SHEETS
	220 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



LEGEND

- (34) LINE, PRE FORMED PLASTIC, SOLID WHITE, 100mm
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- (37) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WORD (ONLY)
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- △ ONE-WAY, WHITE, MARKER
- △ TWO-WAY, WHITE/RED. MARKER
- ▲ TWO-WAY, YELLOW/RED, MARKER

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ 9/28/01
DESIGN ENGINEER DATE

DESIGNED: R.D.S. DRAWN: T.A.B.
CHECKED: I.Y.S. CHECKED: I.Y.S.

INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
N/A	9614680
SURVEY BOOK	SHEETS
	221 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

Time: 8:35:48
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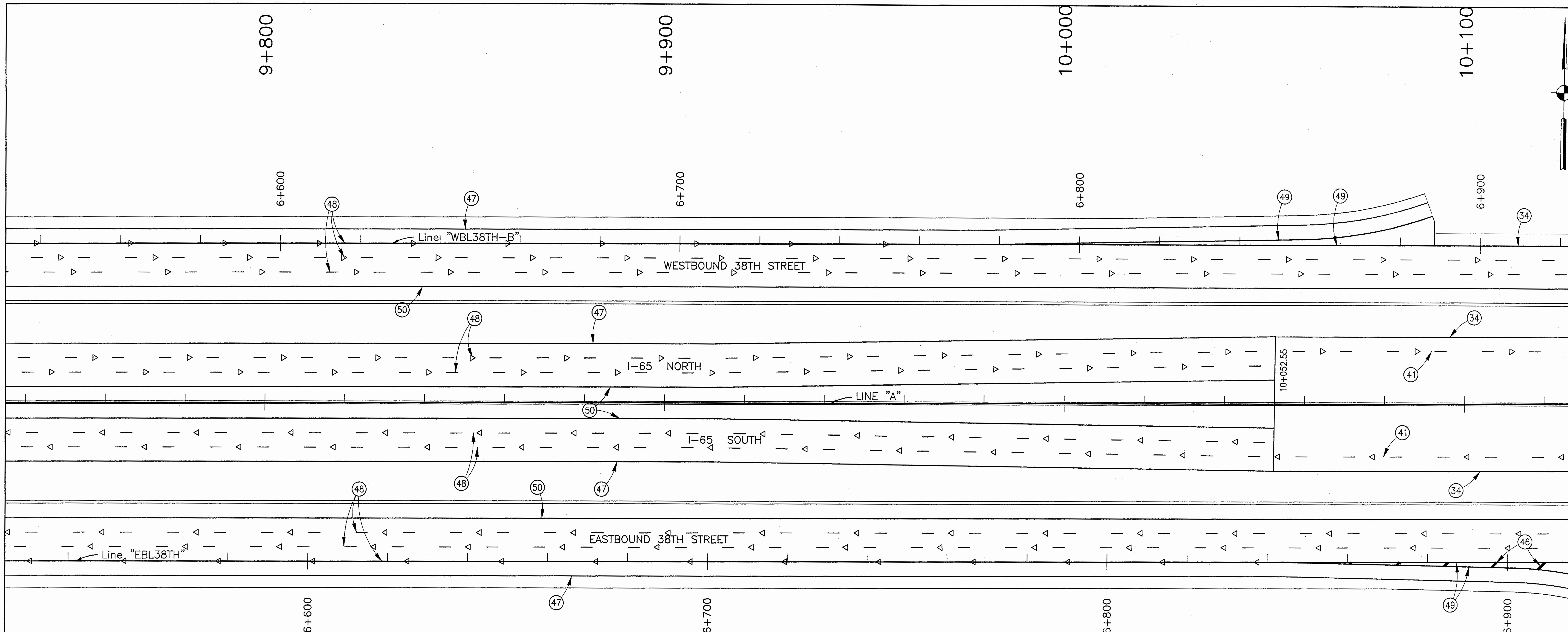

LEGEND

- (34) LINE, PRE FORMED PLASTIC, SOLID WHITE, 100mm
- (35) LINE, PRE FORMED PLASTIC, SOLID YELLOW, 100mm
- (36) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WRONG WAY RAMP ARROW
- (37) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, WORD (ONLY)
- (38) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, LANE INDICATION ARROW
- (41) LINE, PRE FORMED PLASTIC, BROKEN, WHITE, 125mm
- (42) LINE, PRE FORMED PLASTIC, SOLID, WHITE, 200mm
- (43) TRANSVERSE MARKING PERFORMED PLASTIC, SOLID WHITE CROSSHATCH, 600mm
- (44) TRANSVERSE MARKING, THERMOPLASTIC, SOLID WHITE CROSSHATCH LINE, 300mm
- (45) TRANSVERSE MARKING, THERMOPLASTIC, STOP LINE, 600mm
- (46) TRANSVERSE MARKING, THERMOPLASTIC, SOLID, WHITE, CROSSHATCH LINE, 600mm
- (47) LINE, THERMOPLASTIC, SOLID, WHITE. 100mm
- (48) LINE, THERMOPLASTIC, BROKEN, WHITE, 125mm
- (49) LINE, THERMOPLASTIC, SOLID, WHITE. 200mm
- (50) LINE, THERMOPLASTIC, SOLID, YELLOW, 100mm
- (51) LINE, THERMOPLASTIC, DOTTED, WHITE, 600mm LINE, 120mm GAP
- △ ONE-WAY, WHITE, MARKER
- TWO-WAY, WHITE/RED. MARKER
- ▲ TWO-WAY, YELLOW/RED, MARKER

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] DESIGN ENGINEER	9/28/01 DATE		
DESIGNED: R.D.S.	DRAWN: T.A.B.		
CHECKED: I.Y.S.	CHECKED: I.Y.S.		

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE N/A	DESIGNATION 9614680
SURVEY BOOK	SHEETS 222 of 520
CONTRACT R-24327	PROJECT IM-65-3(281)118

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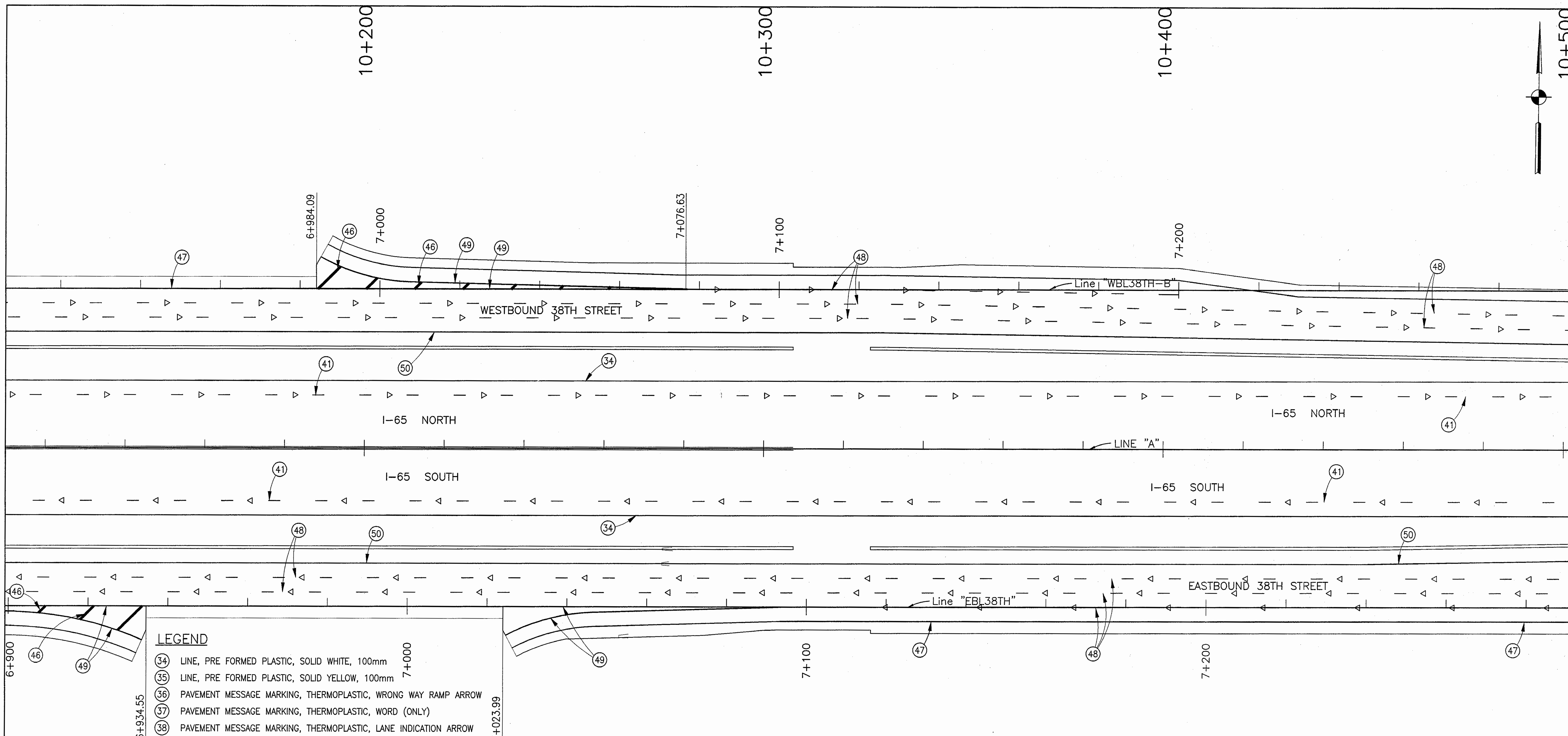

LEGEND

- (34) LINE, PRE FORMED PLASTIC, SOLID WHITE, 100mm
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- △ ONE-WAY, WHITE, MARKER
- TWO-WAY, WHITE/RED. MARKER
- ▲ TWO-WAY, YELLOW/RED, MARKER

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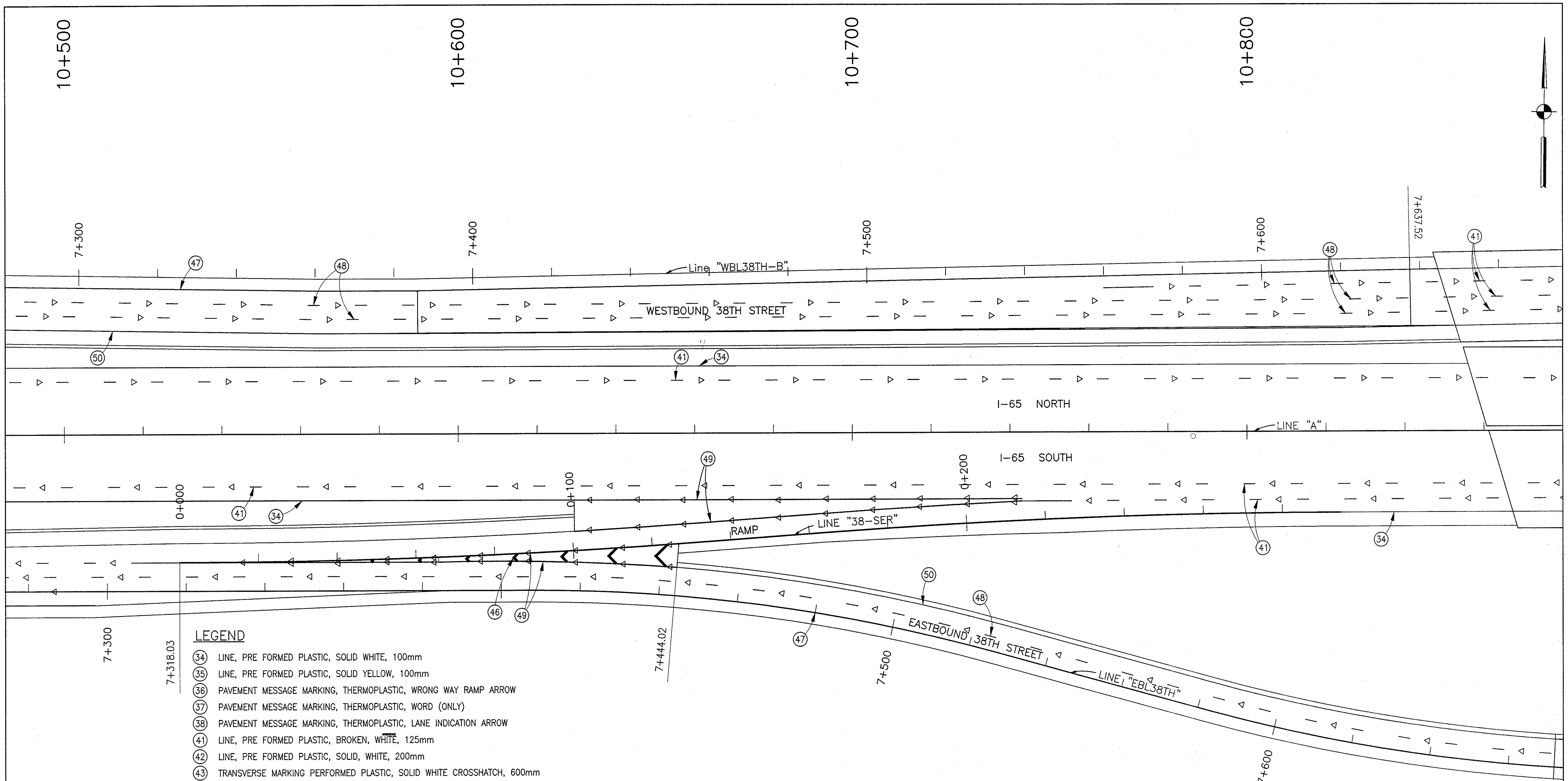
IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	9/28/01 DATE
DESIGNED: R.D.S.	DRAWN: T.A.B.	
CHECKED: I.Y.S.	CHECKED: I.Y.S.	

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE N/A	DESIGNATION 9614680
SURVEY BOOK	SHEETS 223 of 520
CONTRACT R-24327	PROJECT IM-65-3(281)118



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IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] DESIGN ENGINEER 9/28/01 DATE

DESIGNED: R.D.S. DRAWN: T.A.B.

CHECKED: I.Y.S. CHECKED: I.Y.S.

INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
N/A	9614680
SURVEY BOOK	SHEETS
	224 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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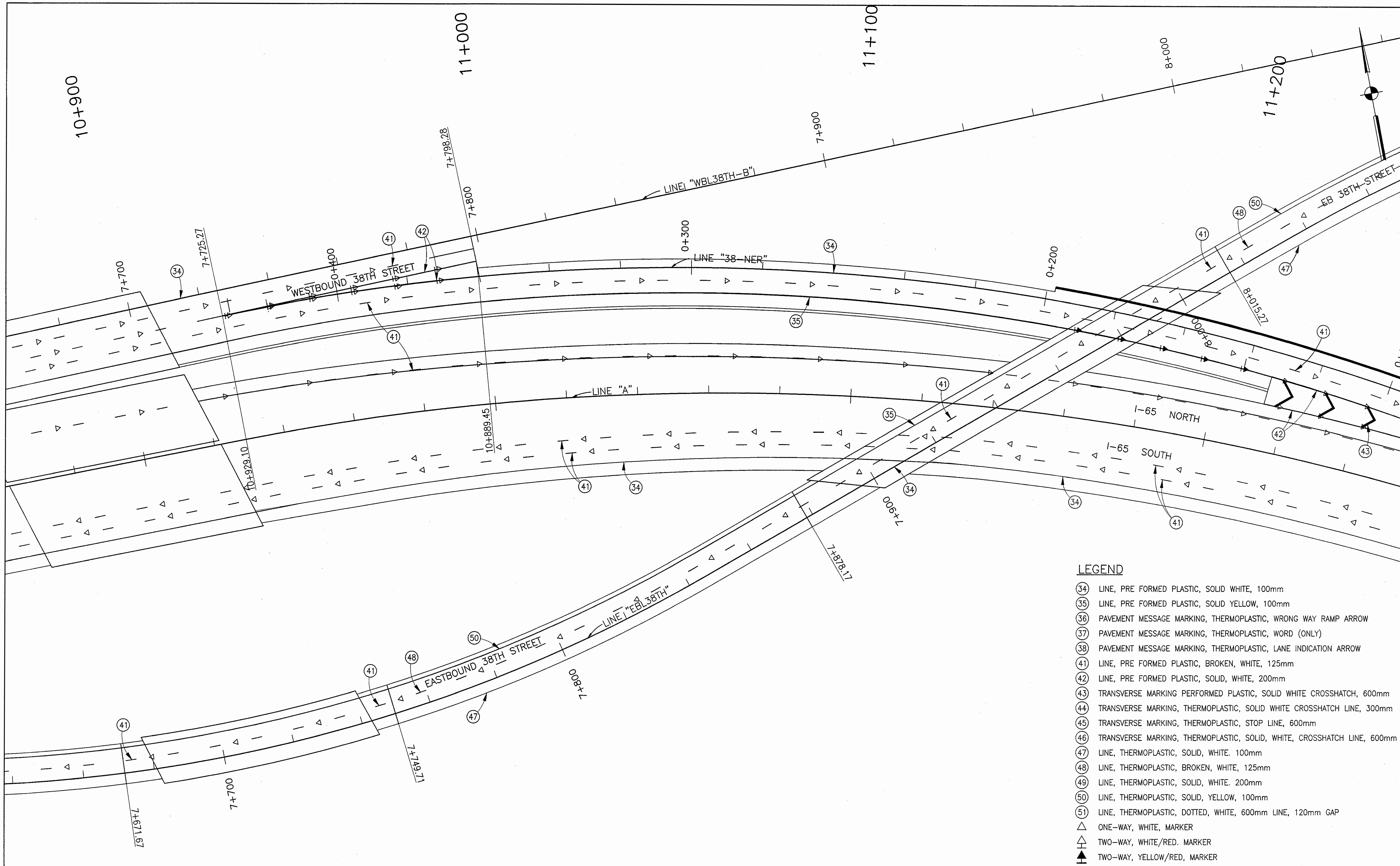

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△	ONE-WAY, WHITE, MARKER
△	TWO-WAY, WHITE/RED. MARKER
▲	TWO-WAY, YELLOW/RED. MARKER

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

DESIGNED: R.D.S. DRAWN: T.A.B.
CHECKED: I.Y.S. CHECKED: I.Y.S.

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
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SURVEY BOOK	SHEETS
	225 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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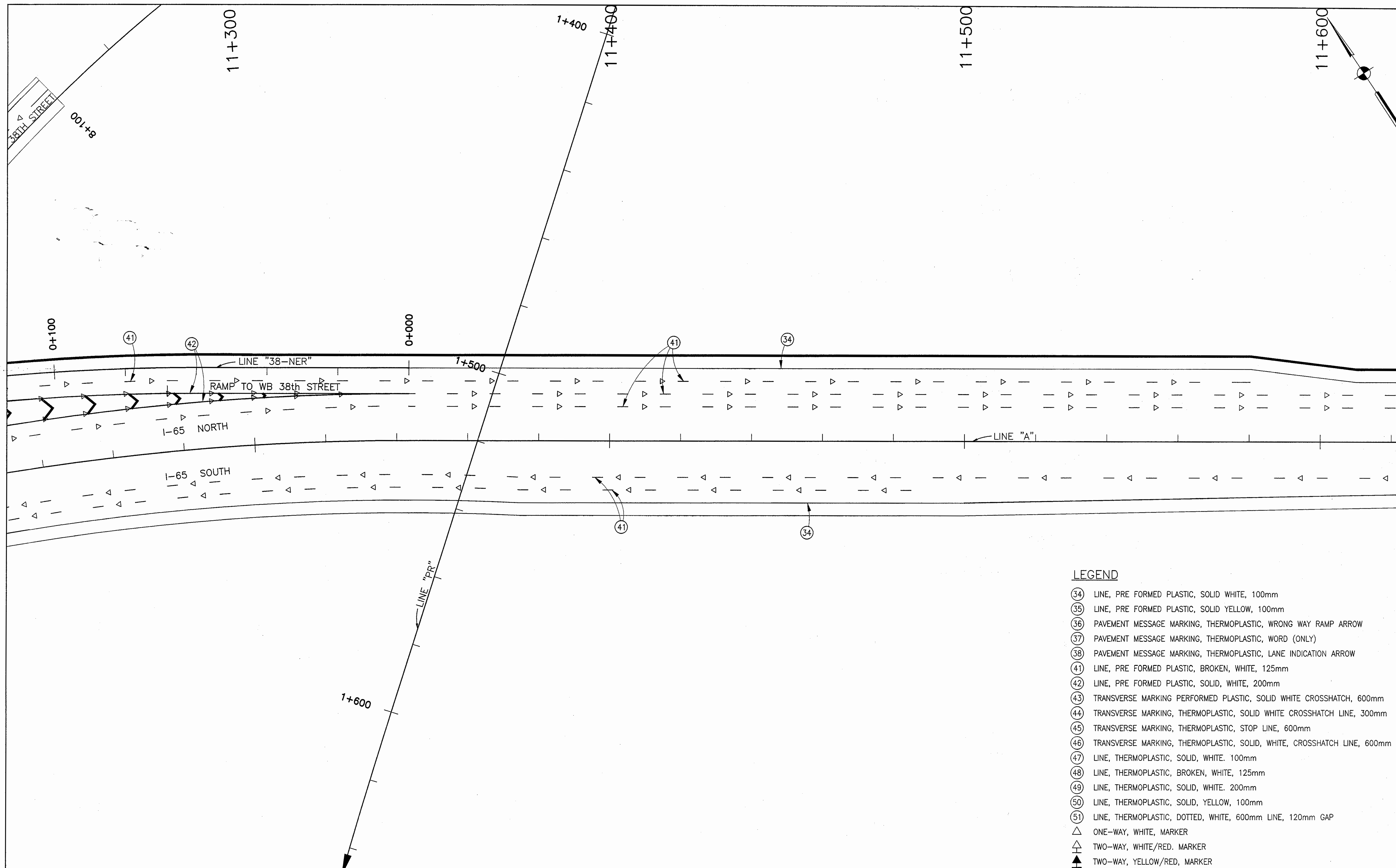

LEGEND

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- △ ONE-WAY, WHITE, MARKER
- TWO-WAY, WHITE/RED. MARKER
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IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL	[signature] DESIGN ENGINEER	9/28/01 DATE	
DESIGNED: R.D.S.	DRAWN: T.A.B.		
CHECKED: I.Y.S.	CHECKED: I.Y.S.		

INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1:500	
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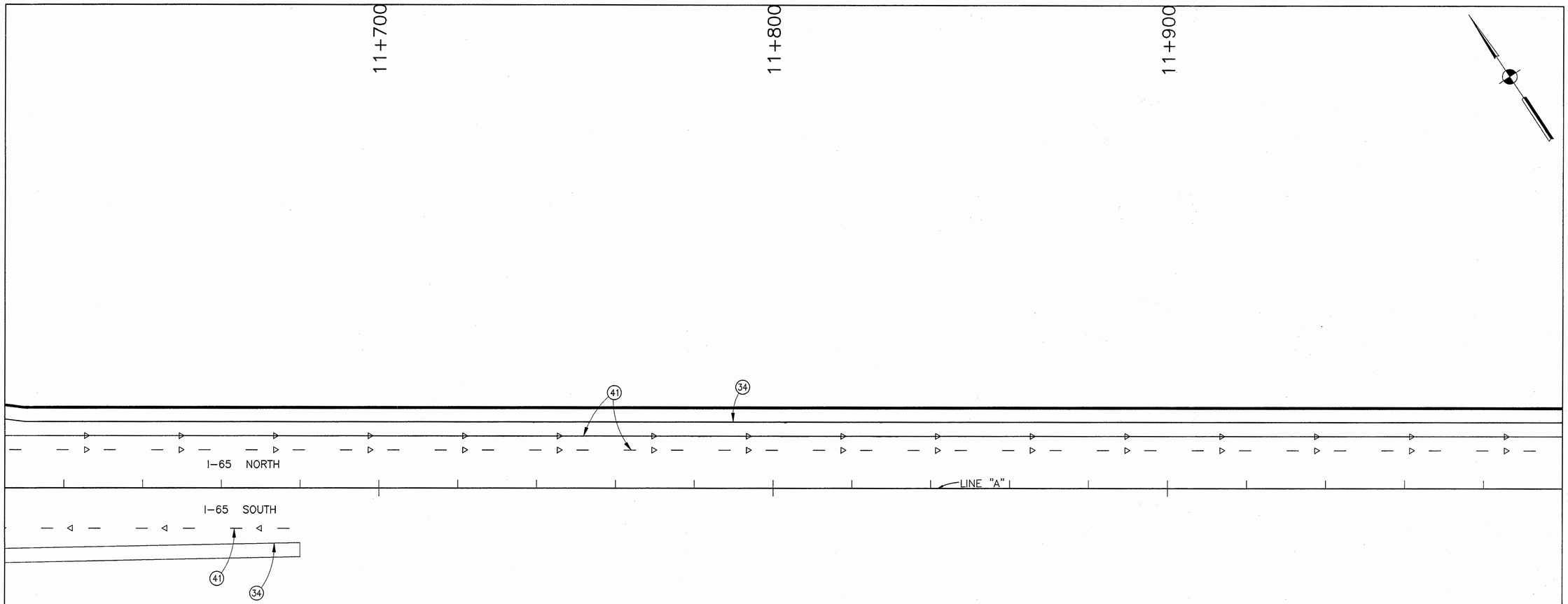
SURVEY BOOK	SHEETS
	226 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



LEGEND

- (34) LINE, PRE FORMED PLASTIC, SOLID WHITE, 100mm
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- △ ONE-WAY, WHITE, MARKER
- △ TWO-WAY, WHITE/RED. MARKER
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IBRAHIM SWIDAN
REGISTERED
No. PE19600226
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ 9/28/01
DESIGN ENGINEER DATE

DESIGNED: R.D.S. DRAWN: T.A.B.
CHECKED: I.Y.S. CHECKED: I.Y.S.

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
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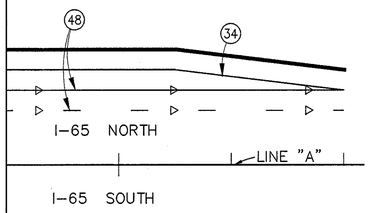
SURVEY BOOK	SHEETS
	227 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

12+000



LEGEND

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IBRAHIM SHIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ 9/28/01
DESIGN ENGINEER DATE

DESIGNED: R.D.S. DRAWN: T.A.B.
CHECKED: I.Y.S. CHECKED: I.Y.S.

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
N/A	9614680
SURVEY BOOK	SHEETS
	228 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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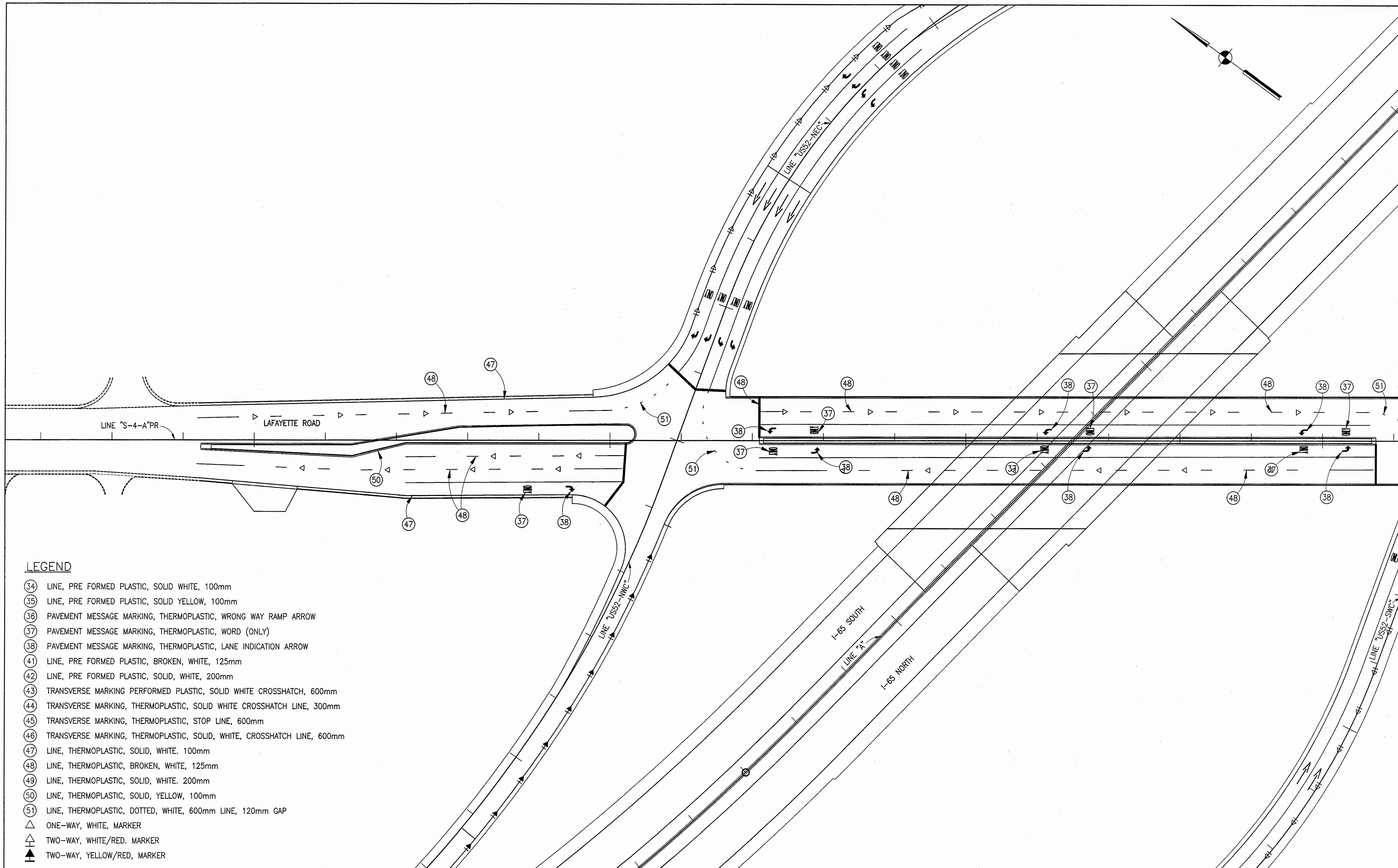

LEGEND

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- ▲ TWO-WAY, YELLOW/RED, MARKER

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IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] DESIGN ENGINEER 9/28/01 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1:500	BRIDGE FILE
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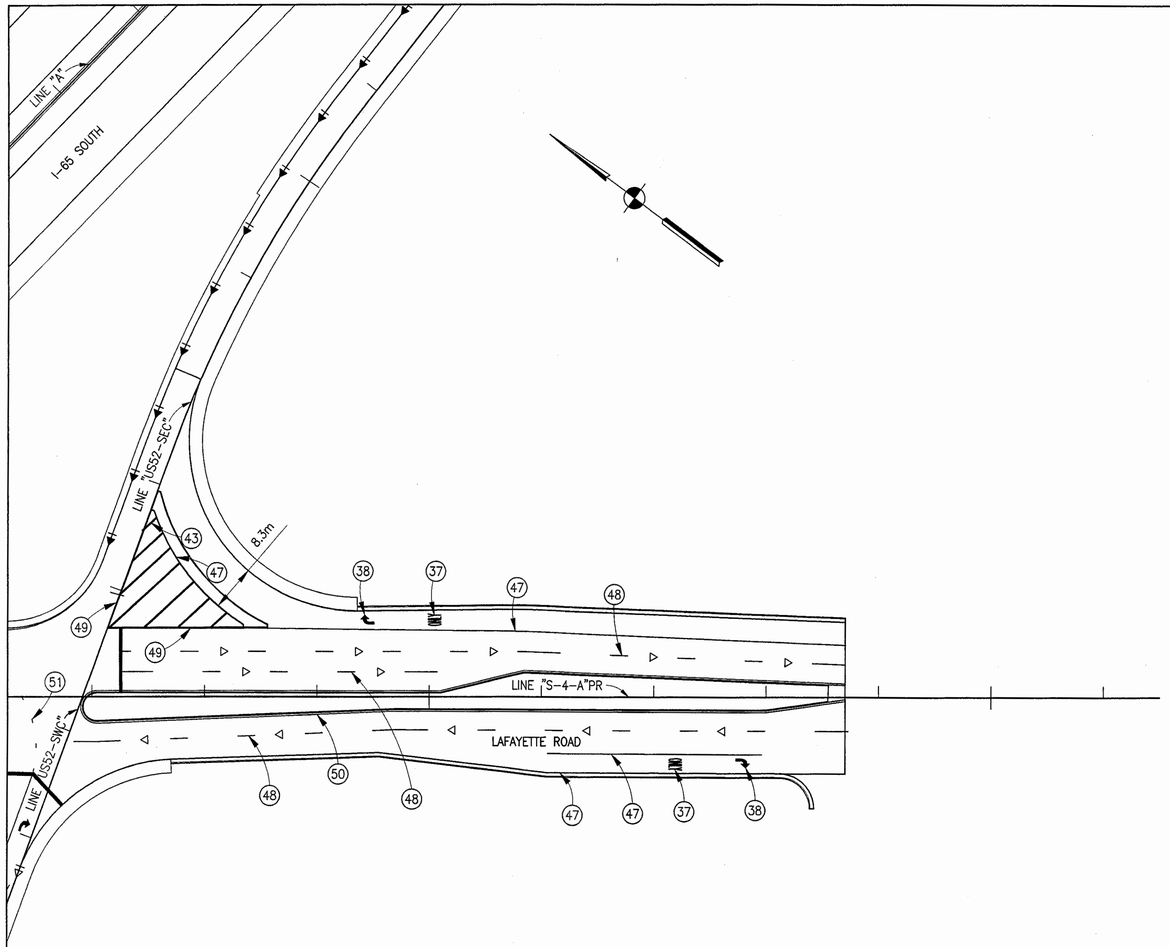
DESIGNED: R.D.S. DRAWN: T.A.B.	PAVEMENT MARKING DETAILS LINE "S-4-A"PR	SURVEY BOOK	SHEETS 229 of 520
CHECKED: I.Y.S. CHECKED: I.Y.S.		CONTRACT R-24327	PROJECT IM-65-3(281)118



LEGEND

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IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ 9/28/01
DESIGN ENGINEER DATE

DESIGNED: R.D.S. DRAWN: T.A.B.
CHECKED: I.Y.S. CHECKED: I.Y.S.

INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS
LINE "S-4-A"PR

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
N/A	9614680
SURVEY BOOK	SHEETS
	230 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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Date: 9/25/2001
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Drawing File: K:\Drive\data\proj\375\ASBUILTS-DO NOT MODIFY\PAVEMENT MARKINGS\PMLR2.dwg (Miller)

SEEDING SPECIFICATIONS:

1.) Shall be in Accordance with Section 621 of the Current Indiana Department of Transportation Standard Specifications.

RECOMMENDED EROSION CONTROL MEASURES:

1.) Shall be in Accordance with Section 205 of the Current Indiana Department of Transportation & Typical Standard Sheets.

2.) Topsoil Salvage and Utilization: Removal of Topsoil from all areas to be Excavated or Filled. Topsoil should be stored at a location where it will not interfere with construction operations. The use of a Perimeter Erosion Control Method shall be required and as directed by the project Engineer. Any excess excavation shall be disposed of outside of the R/W as directed in section 203.10 & 202

3.) Surface Roughening: All Slopes which are graded & not immediately stabilized with other erosion control measures shall be roughened as described in section 203.09 until permanent Erosion Control Measures are placed.

4.) Tree Conservation/Protection: As per Section 201.02 the Contractor shall, at the direction of the Engineer, endeavor to save and protect any vegetation which does not impair construction of improvements as designed.

5.) Maintenance Schedule: Maintenance of all erosion control practices should be done as needed on a weekly basis and after all large storms. A construction supervisor should be assigned the task of seeing that all practices are maintained according to the design criteria. and as described in section 205.08.

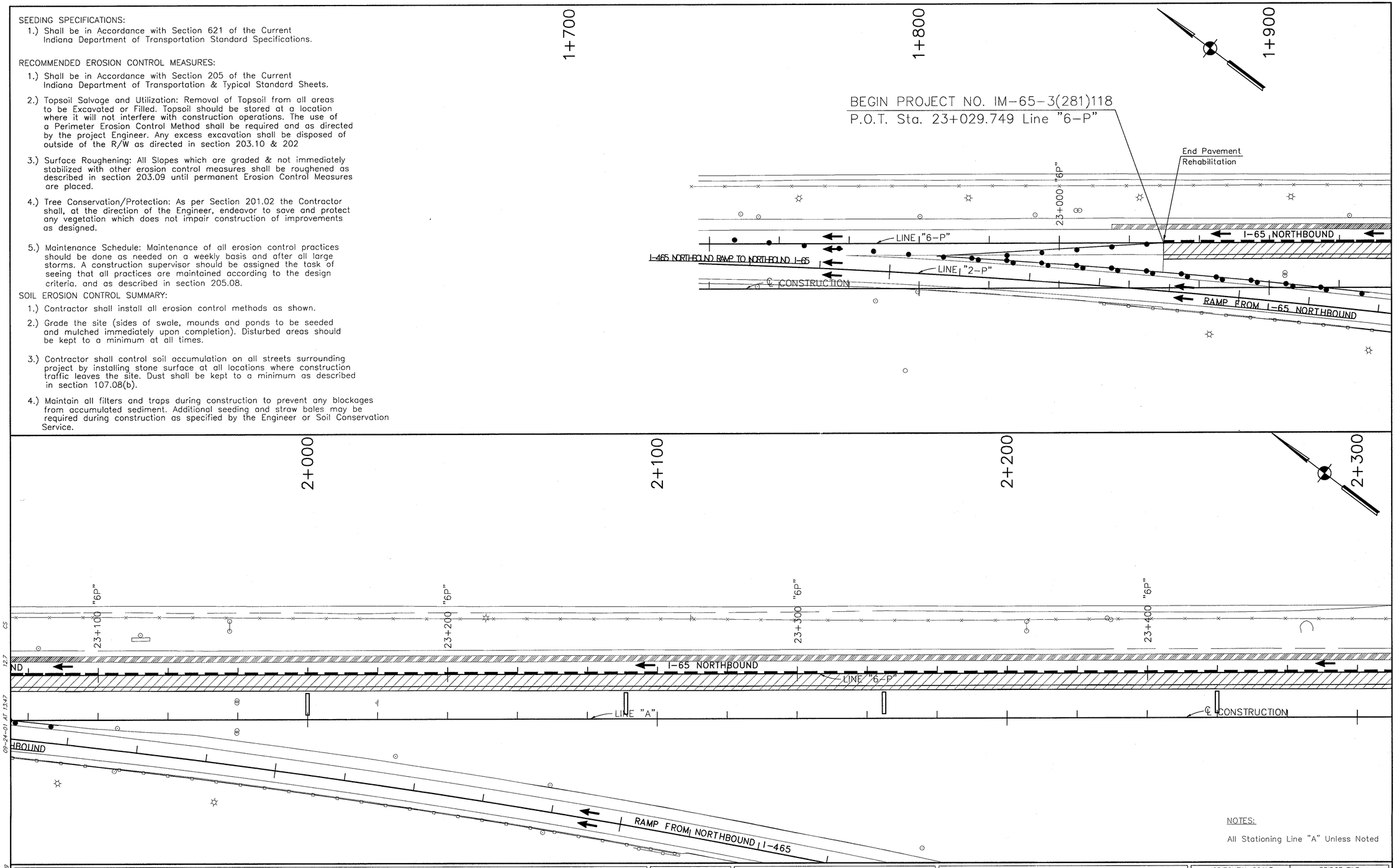
SOIL EROSION CONTROL SUMMARY:

1.) Contractor shall install all erosion control methods as shown.

2.) Grade the site (sides of swale, mounds and ponds to be seeded and mulched immediately upon completion). Disturbed areas should be kept to a minimum at all times.

3.) Contractor shall control soil accumulation on all streets surrounding project by installing stone surface at all locations where construction traffic leaves the site. Dust shall be kept to a minimum as described in section 107.08(b).

4.) Maintain all filters and traps during construction to prevent any blockages from accumulated sediment. Additional seeding and straw bales may be required during construction as specified by the Engineer or Soil Conservation Service.



NOTES:

All Stationing Line "A" Unless Noted

LEGEND

- Road Construction
- Temporary HMA Widening
- Bridge Construction
- Channelizing Devices
- Indicates Traffic Flow
- Temporary Concrete Barrier
- Riprap Ditch
- Riprap Ditch Check
- Culvert Protection
- Drop Inlet Protection
- Silt Fence
- Sediment Trap
- Side Ditch Protection

STEPHEN F. WEINRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER 9/28/01 DATE

DESIGNED: DJI DRAWN: BEH

CHECKED: MDO CHECKED: DJI

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL PHASE 1 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:500	9614680
SURVEY BOOK	SHEETS
	231 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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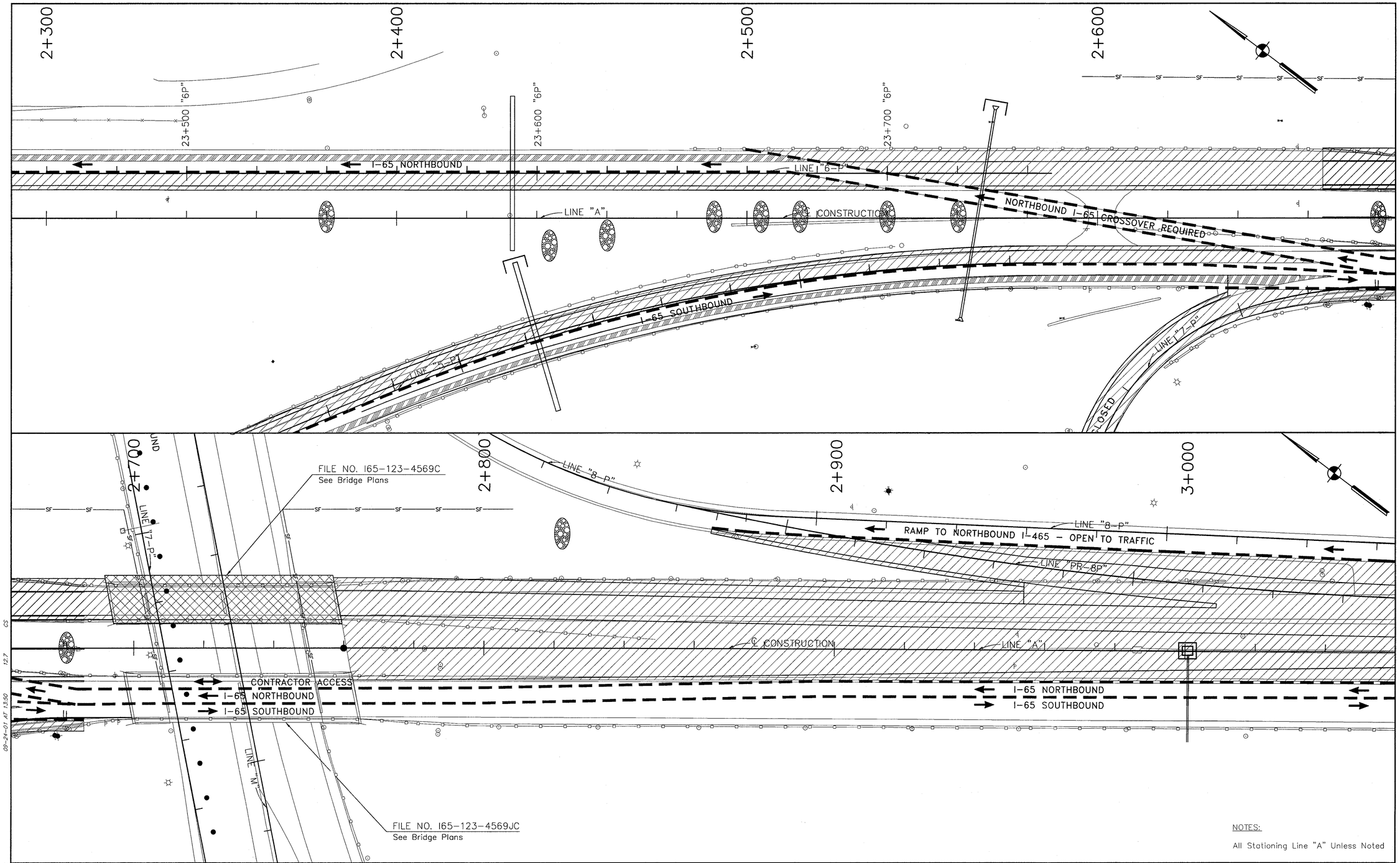


NOTES:

All Stationing Line "A" Unless Noted

LEGEND

- Road Construction
- Temporary HMA Widening
- Bridge Construction
- Channelizing Devices
- Indicates Traffic Flow
- Temporary Concrete Barrier
- Riprap Ditch
- Riprap Ditch Check
- Culvert Protection
- Drop Inlet Protection
- Silt Fence
- Sediment Trap
- Side Ditch Protection

STEPHEN F. WEINRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER 9/28/01 DATE

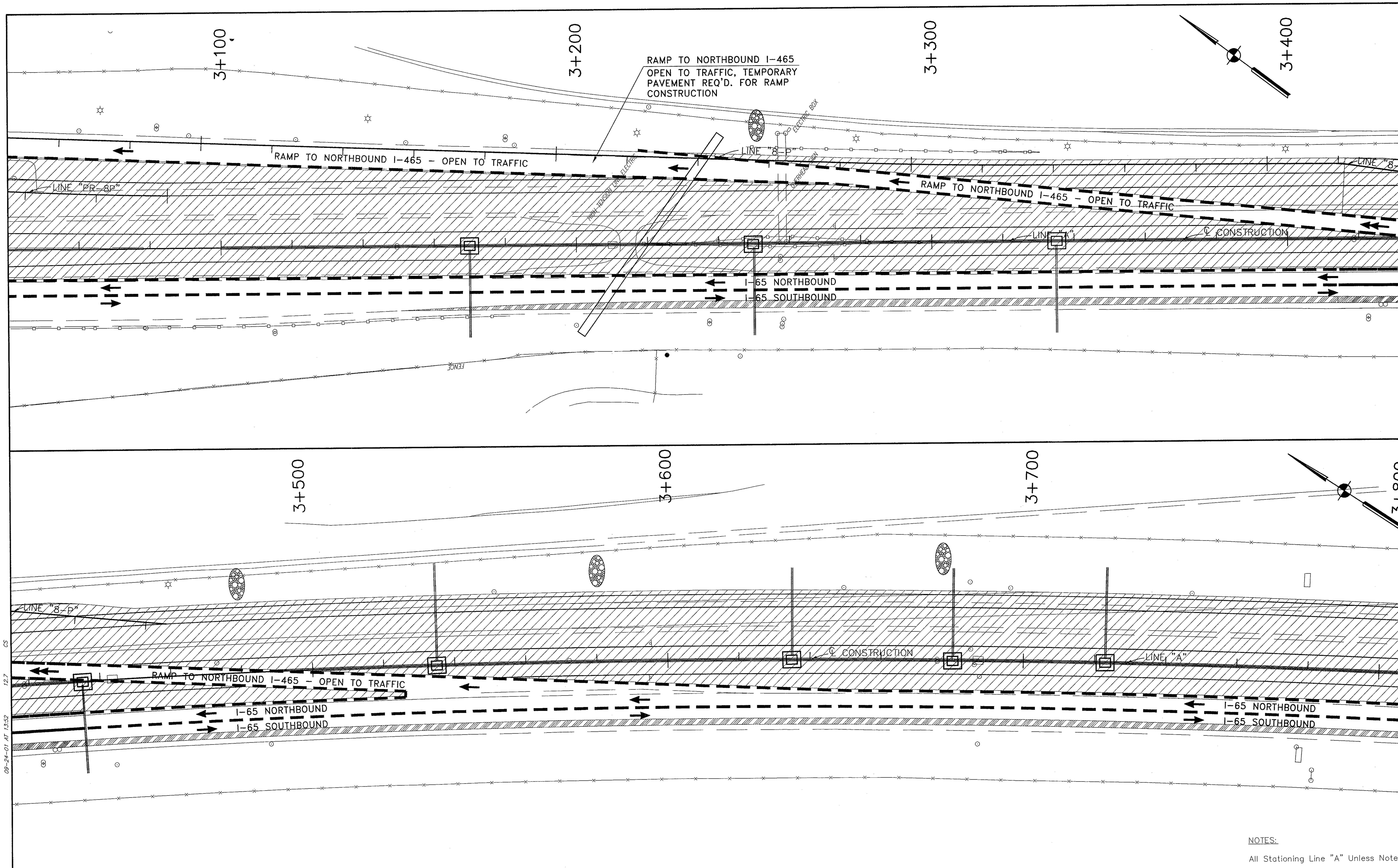
DESIGNED: DJI DRAWN: BEH

CHECKED: MDO CHECKED: DJI

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL PHASE 1 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:500	9614680
SURVEY BOOK	SHEETS
	232 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



NOTES:

All Stationing Line "A" Unless Noted

LEGEND

Road Construction	Channelizing Devices
Temporary HMA Widening	Indicates Traffic Flow
Bridge Construction	Temporary Concrete Barrier
Riprap Ditch	Drop Inlet Protection
Riprap Ditch Check	Silt Fence
Culvert Protection	Sediment Trap
	Side Ditch Protection

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] DESIGN ENGINEER 9/28/01 DATE

DESIGNED: DJI	DRAWN: BEH
CHECKED: MDO	CHECKED: DJI

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL PHASE 1 LINE "A"

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:500	DESIGNATION 9614680
SURVEY BOOK	SHEETS 233 of 520
CONTRACT R-24327	PROJECT IM-65-3(281)118

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FILE NO. I65-122-4844B
See Bridge Plans

3+800 3+900 4+000 4+100

℄ CONSTRUCTION
LINE "A"
CONTRACTOR ACCESS
I-65 NORTHBOUND
I-65 SOUTHBOUND
56TH STREET
SF
SF

4+200 4+300 4+400 4+500

56TH STREET
SF
SF
℄ CONSTRUCTION
LINE "A"
CONTRACTOR ACCESS
I-65 NORTHBOUND
I-65 SOUTHBOUND
I-65 NORTHBOUND
I-65 SOUTHBOUND

NOTES:

All Stationing Line "A" Unless Noted

LEGEND

- Road Construction
- Temporary HMA Widening
- Bridge Construction
- Channelizing Devices
- Indicates Traffic Flow
- Temporary Concrete Barrier
- Riprap Ditch
- Riprap Ditch Check
- Culvert Protection
- Drop Inlet Protection
- Silt Fence
- Sediment Trap
- Side Ditch Protection

STEPHEN F. WEINRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER 9/28/01 DATE

DESIGNED: DJI DRAWN: BEH
CHECKED: MDO CHECKED: DJI

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE 1 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:500	9614680
SURVEY BOOK	SHEETS
	234 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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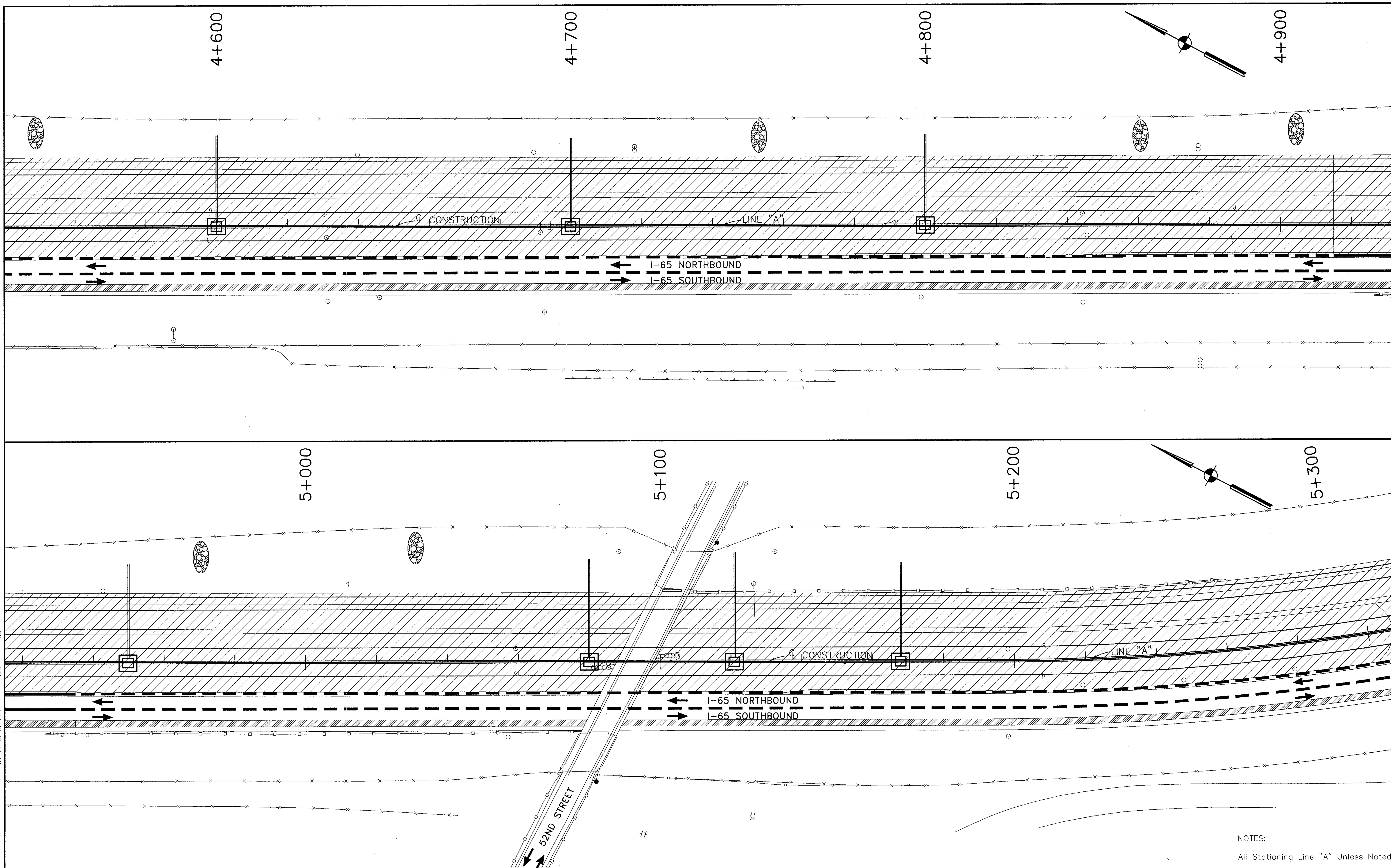

NOTES:

All Stationing Line "A" Unless Noted

LEGEND

- Road Construction
- Temporary HMA Widening
- Bridge Construction
- Channelizing Devices
- Indicates Traffic Flow
- Temporary Concrete Barrier
- Riprap Ditch
- Riprap Ditch Check
- Culvert Protection
- Drop Inlet Protection
- Silt Fence
- Sediment Trap
- Side Ditch Protection

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL: Stephen F. Weintraut, DESIGN ENGINEER, 9/28/01 DATE

DESIGNED: DJI	DRAWN: BEH
CHECKED: MDO	CHECKED: DJI

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE 1 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:500	9614680
SURVEY BOOK	SHEETS
	235 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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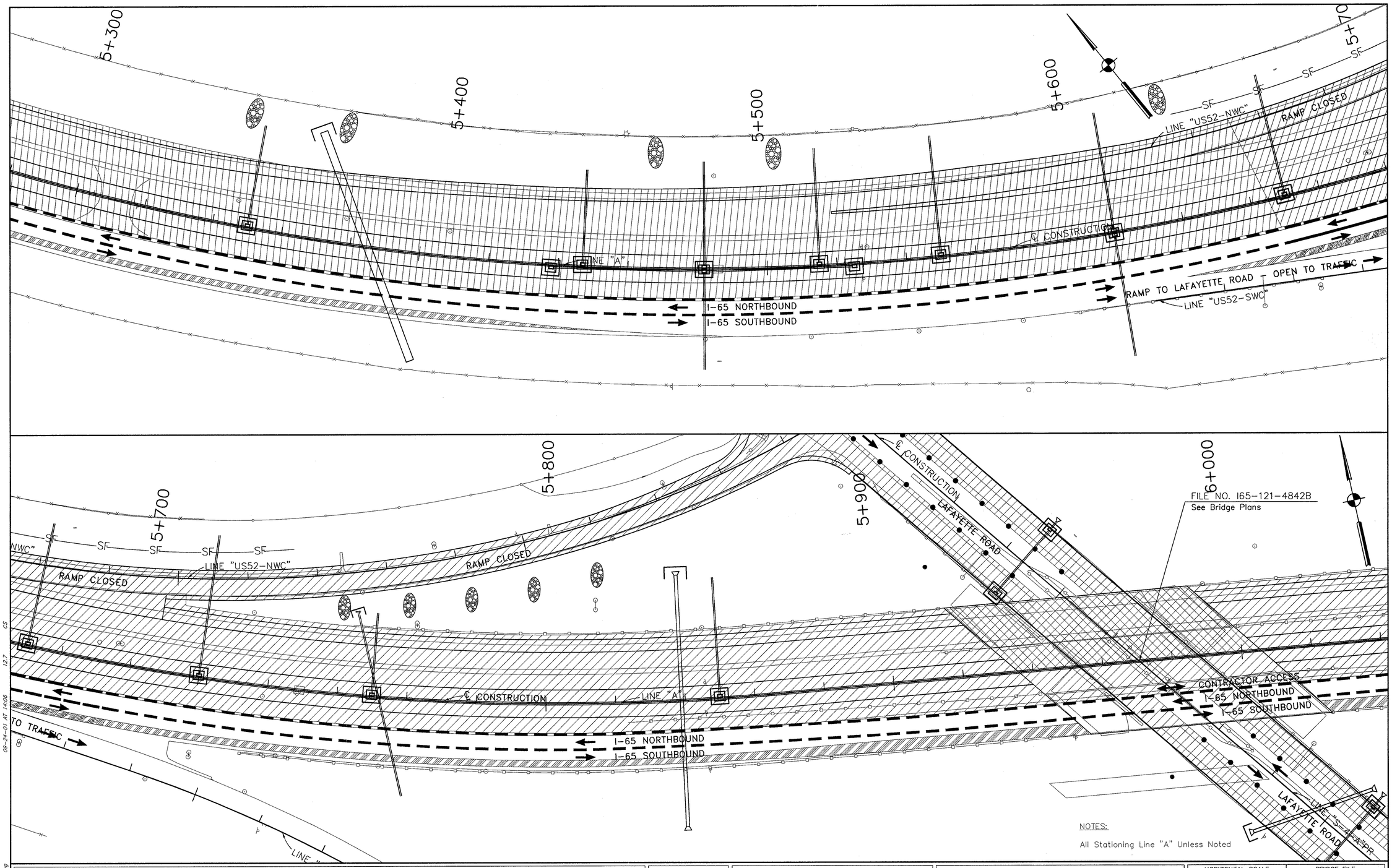

LEGEND

- Road Construction
- Temporary HMA Widening
- Bridge Construction
- Channelizing Devices
- Indicates Traffic Flow
- Temporary Concrete Barrier
- Riprap Ditch
- Riprap Ditch Check
- Culvert Protection
- Drop Inlet Protection
- Silt Fence
- Sediment Trap
- Side Ditch Protection

STEPHEN F. WEINRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER 9/28/01 DATE

DESIGNED: DJI DRAWN: BEH

CHECKED: MDO CHECKED: DJI

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL PHASE 1 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:500	9614680
SURVEY BOOK	SHEETS
	236 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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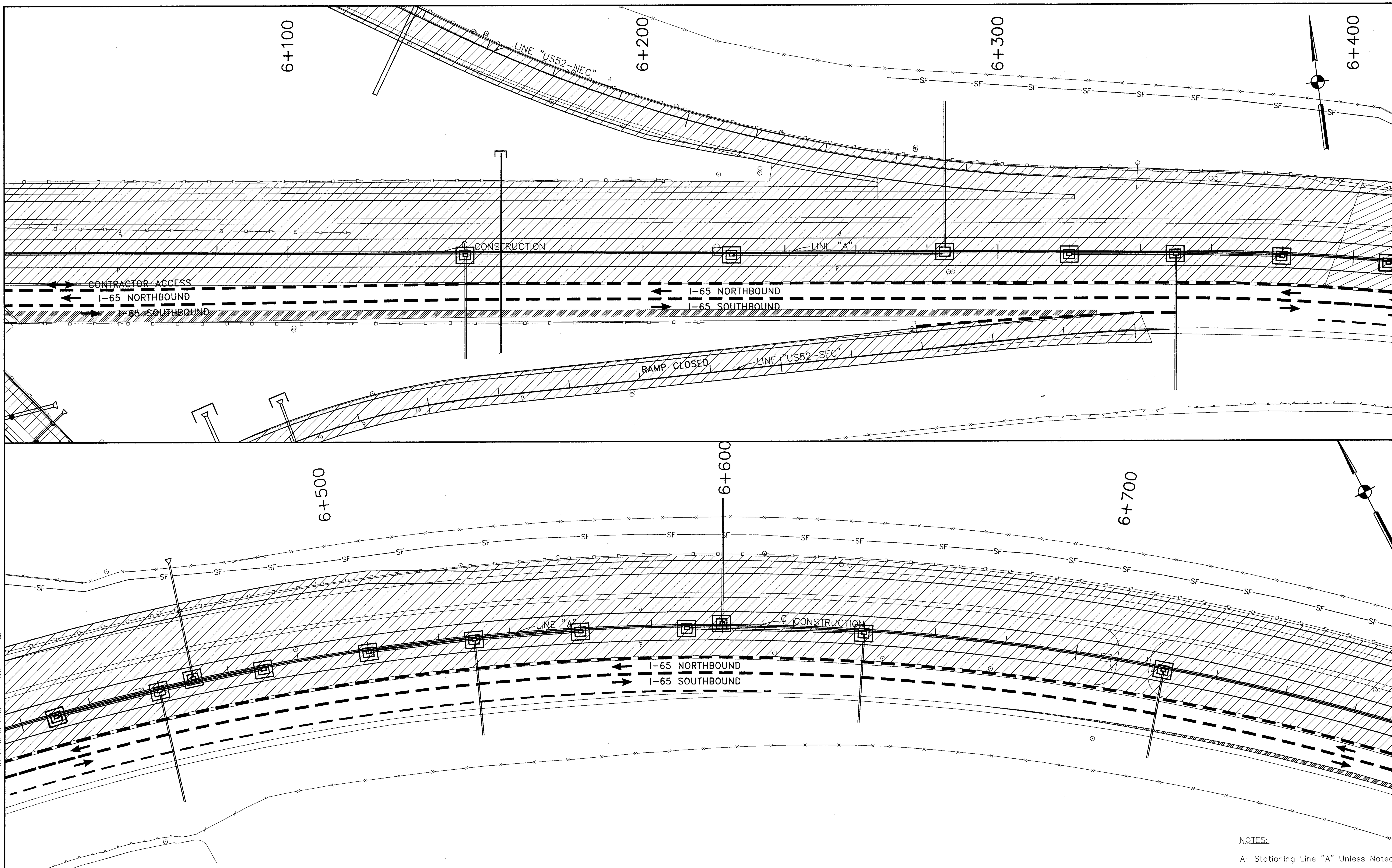

NOTES:

All Stationing Line "A" Unless Noted

LEGEND

- Road Construction
- Temporary HMA Widening
- Bridge Construction
- Channelizing Devices
- Indicates Traffic Flow
- Temporary Concrete Barrier
- Riprap Ditch
- Riprap Ditch Check
- Culvert Protection
- Drop Inlet Protection
- Silt Fence
- Sediment Trap
- Side Ditch Protection

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

DESIGNED: DJI DRAWN: BEH
CHECKED: MDO CHECKED: DJI

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE 1 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:500	9614680
SURVEY BOOK	SHEETS
	237 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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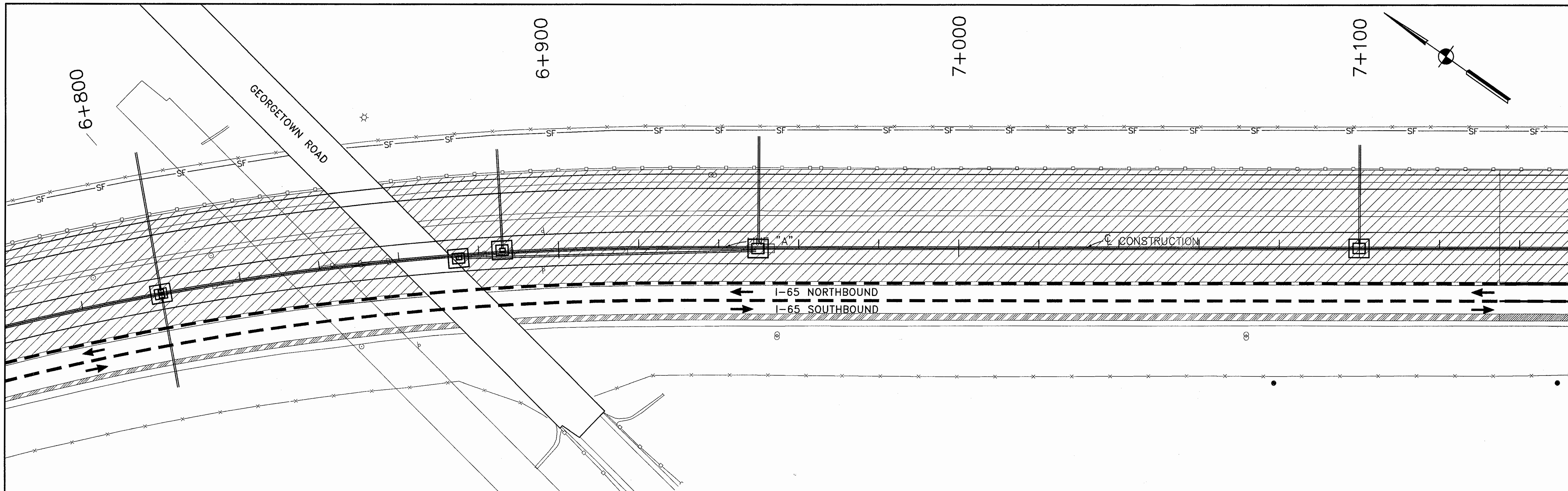

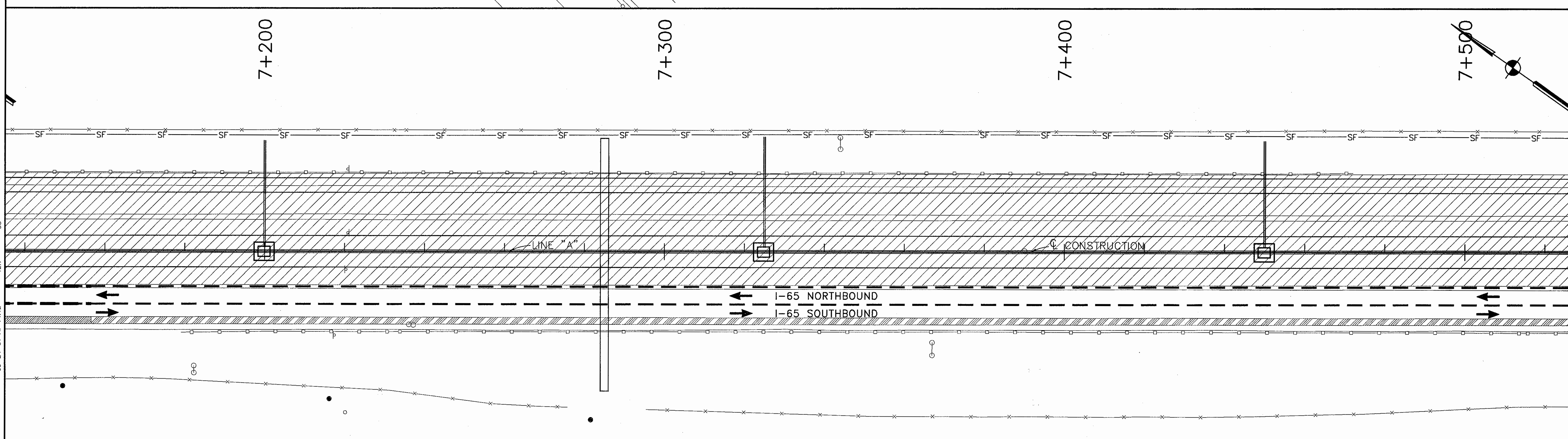

NOTES:

All Stationing Line "A" Unless Noted

LEGEND

Symbol	Description
	Road Construction
	Temporary HMA Widening
	Bridge Construction
	Channelizing Devices
	Indicates Traffic Flow
	Temporary Concrete Barrier
	Riprap Ditch
	Riprap Ditch Check
	Culvert Protection
	Drop Inlet Protection
SF	Silt Fence
	Sediment Trap
	Side Ditch Protection

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

DESIGNED:	DJI	DRAWN:	DJI
CHECKED:	MDO	CHECKED:	BEH

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE 1 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:500	9614680
SURVEY BOOK	SHEETS
	238 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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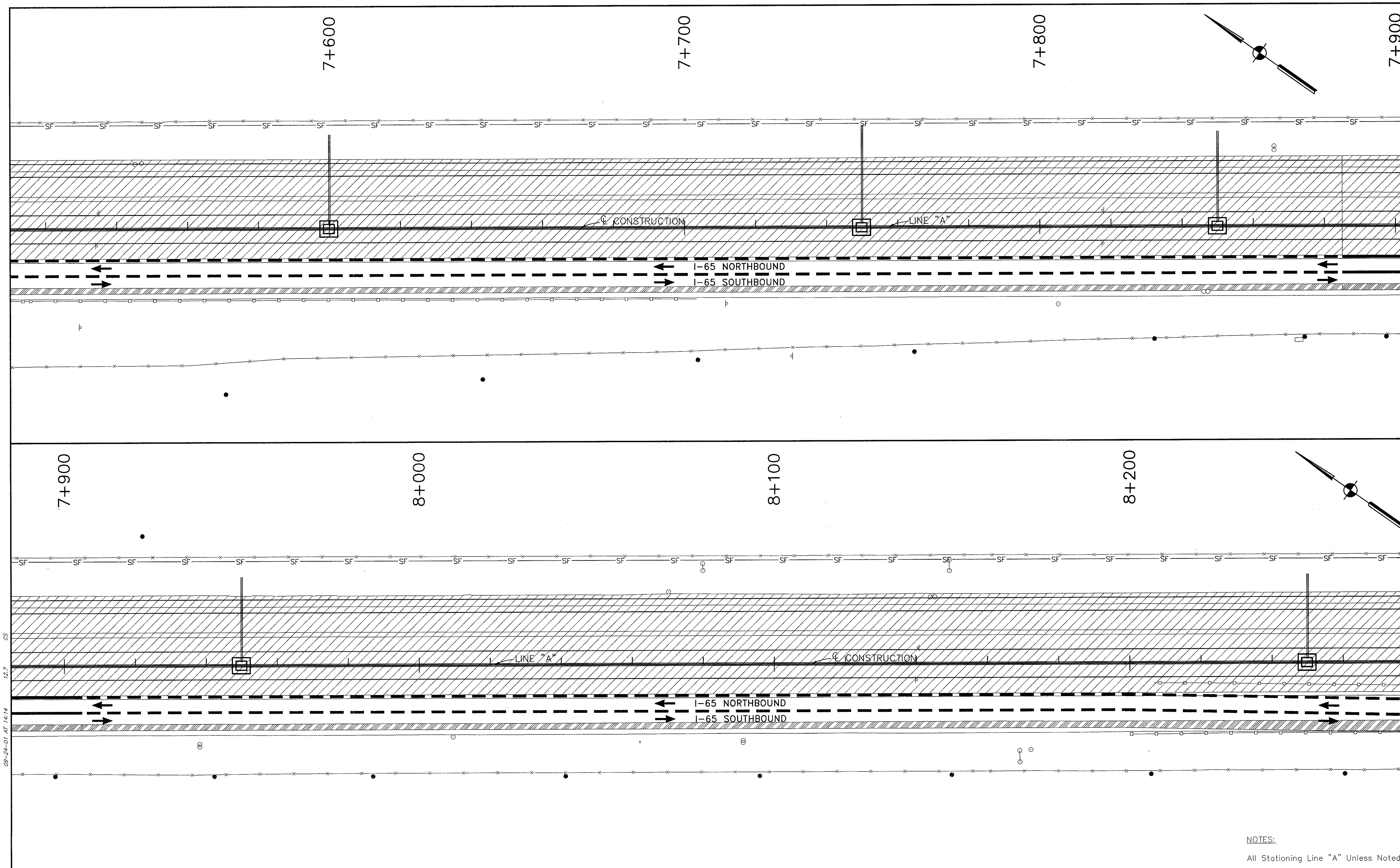

NOTES:

All Stationing Line "A" Unless Noted

LEGEND

Road Construction	Channelizing Devices	Riprap Ditch	Drop Inlet Protection		
Temporary HMA Widening	Indicates Traffic Flow	Riprap Ditch Check	Silt Fence		
Bridge Construction	Temporary Concrete Barrier	Culvert Protection	Sediment Trap		
			Side Ditch Protection		

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

DESIGNED: DJI DRAWN: BEH
CHECKED: MDO CHECKED: DJI

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE 1 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:500	9614680
SURVEY BOOK	SHEETS
	239 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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8+300

FILE NO. I65-120-4841B
See Bridge Plans

8+400

8+500

8+600

SF

LINE "A"

℄ CONSTRUCTION

CONTRACTOR ACCESS
I-65 NORTHBOUND
I-65 SOUTHBOUND

I-65 NORTHBOUND
I-65 SOUTHBOUND

LITTLE EAGLE

8+700

8+800

FILE NO. I65-119-4840B
See Bridge Plans

INDUSTRIAL

INDUSTRIAL BLVD.

8+900

WESTBOUND

9+000

℄ CONSTRUCTION

CONTRACTOR
I-65
I-65

CONTRACTOR ACCESS
I-65 NORTHBOUND
I-65 SOUTHBOUND

NOTES:

All Stationing Line "A" Unless Noted

LEGEND

- Road Construction
- Temporary HMA Widening
- Bridge Construction
- Channelizing Devices
- Indicates Traffic Flow
- Temporary Concrete Barrier
- Riprap Ditch
- Riprap Ditch Check
- Culvert Protection
- Drop Inlet Protection
- Silt Fence
- Sediment Trap
- Side Ditch Protection

STEPHEN F. WEINRAUT
REGISTERED
No. 16222
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ 9/28/01
DESIGN ENGINEER DATE

DESIGNED: DJI DRAWN: BEH
CHECKED: MDO CHECKED: DJI

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE 1 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:500	9614680
SURVEY BOOK	SHEETS
	240 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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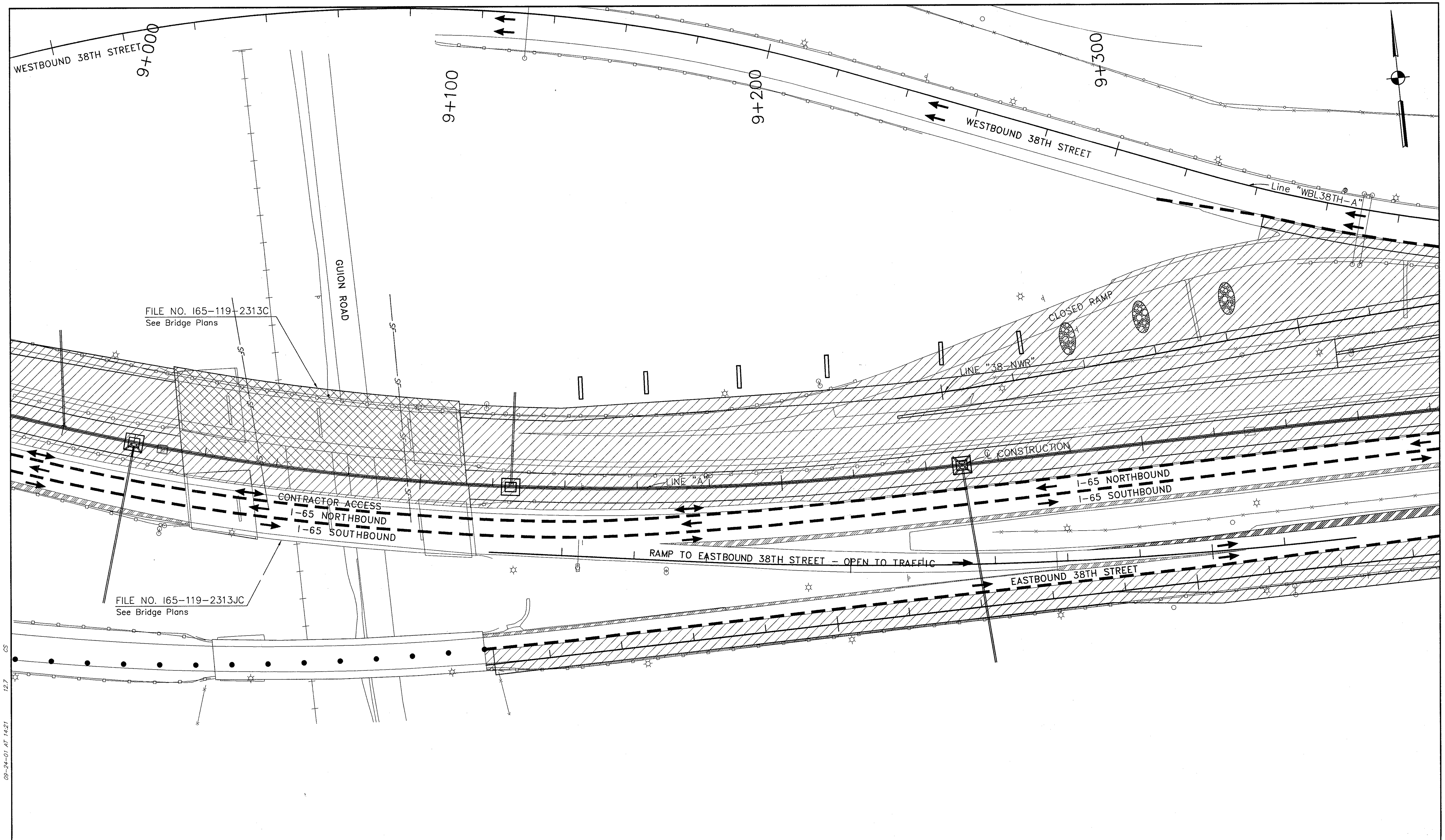

NOTES:

All Stationing Line "A" Unless Noted

LEGEND

Symbol	Meaning
(hatched)	Road Construction
(heavy hatched)	Temporary HMA Widening
(cross-hatched)	Bridge Construction
●	Channelizing Devices
→	Indicates Traffic Flow
— —	Temporary Concrete Barrier
(stippled band)	Riprap Ditch
(stippled oval)	Riprap Ditch Check
[	Culvert Protection
(box)	Drop Inlet Protection
—SF—	Silt Fence
(D)	Sediment Trap
(double line)	Side Ditch Protection

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Stephen F. Weintraut 9/28/01
DESIGN ENGINEER DATE

DESIGNED:	DJI	DRAWN:	BEH
CHECKED:	MDO	CHECKED:	DJI

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE 1 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:500	9614680
SURVEY BOOK	SHEETS
	241 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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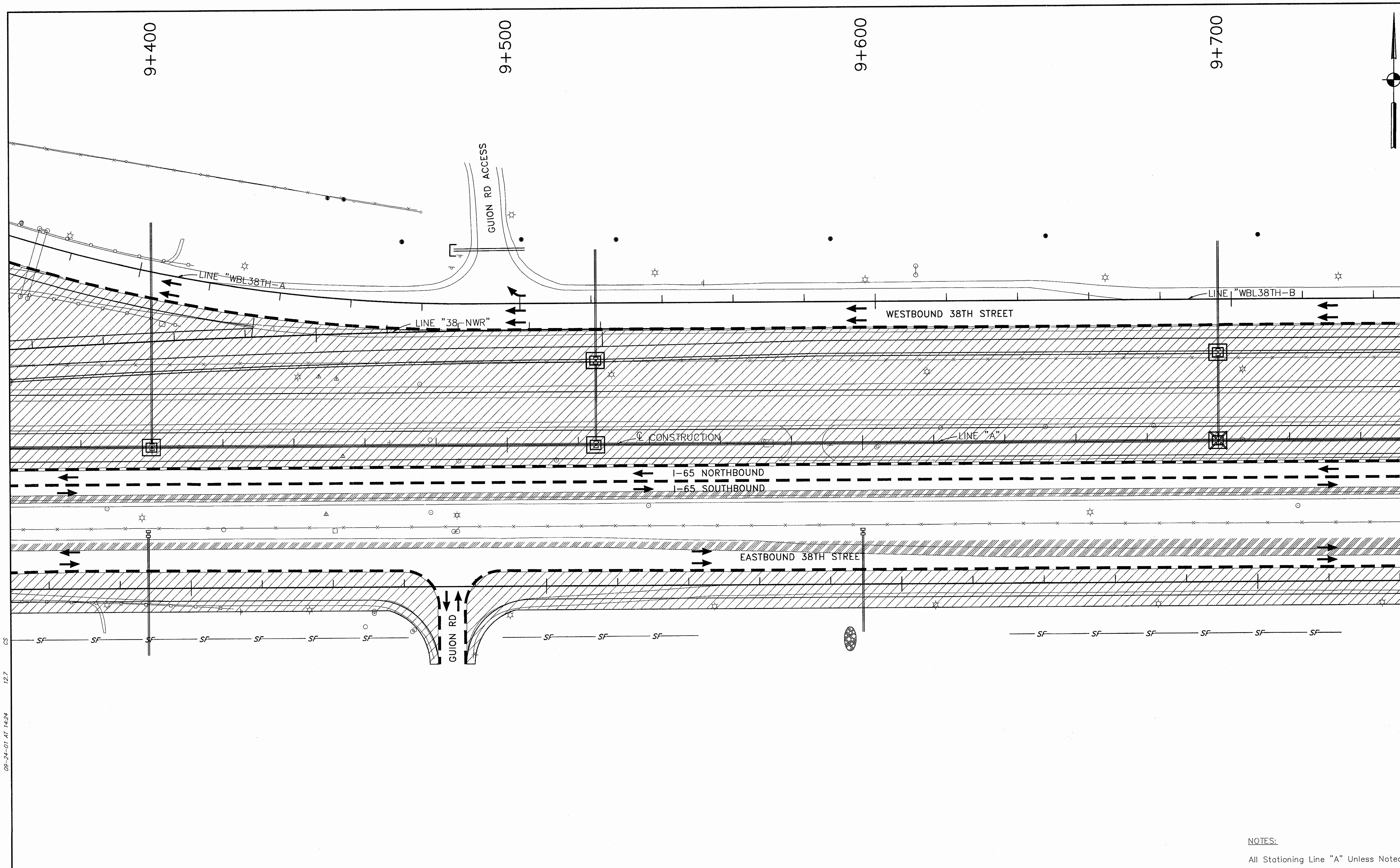

NOTES:

All Stationing Line "A" Unless Noted

LEGEND

- Road Construction
- Temporary HMA Widening
- Bridge Construction
- Channelizing Devices
- Indicates Traffic Flow
- Temporary Concrete Barrier
- Riprap Ditch
- Riprap Ditch Check
- Culvert Protection
- Drop Inlet Protection
- Silt Fence
- Sediment Trap
- Side Ditch Protection

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

DESIGNED: DJI DRAWN: BEH
CHECKED: MDO CHECKED: DJI

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL PHASE 1 LINE "A"

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:500	DESIGNATION 9614680
SURVEY BOOK	SHEETS 242 of 520
CONTRACT R-24327	PROJECT IM-65-3(281)118

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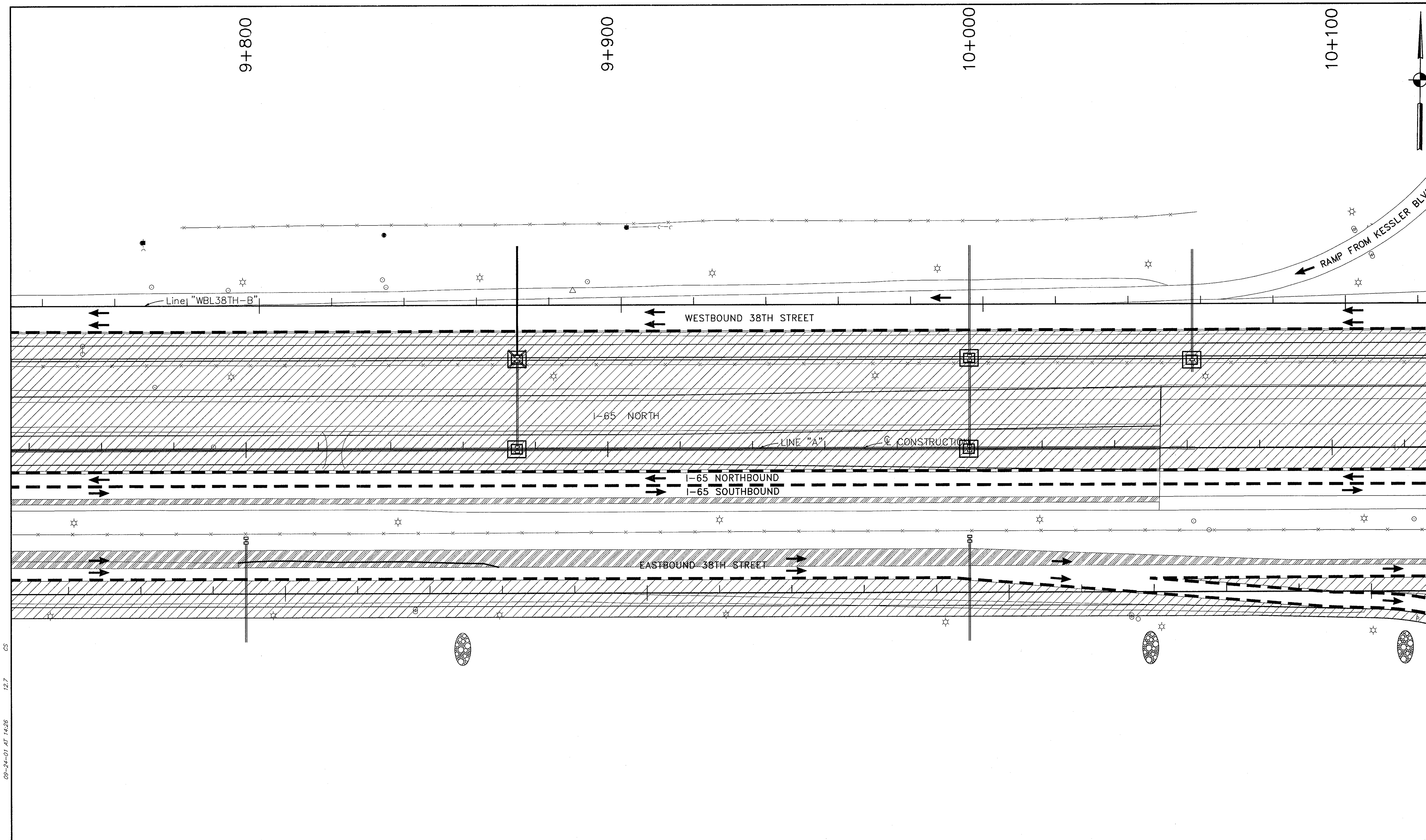

NOTES:

All Stationing Line "A" Unless Noted

LEGEND

Road Construction	Channelizing Devices	Riprap Ditch
Temporary HMA Widening	Indicates Traffic Flow	Riprap Ditch Check
Bridge Construction	Temporary Concrete Barrier	Culvert Protection
Drop Inlet Protection	Silt Fence	Sediment Trap
Side Ditch Protection		

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL: Stephen F. Weintraut 9/28/01
DESIGN ENGINEER DATE

DESIGNED: DJI DRAWN: BEH
CHECKED: MDO CHECKED: DJI

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL PHASE 1 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:500	9614680
SURVEY BOOK	SHEETS
	243 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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10+200

10+300

KESSLER BLVD N. DRIVE

10+400

10+500

RAMP FROM KESSLER BVLD. – OPEN TO TRAFFIC

RAMP TO KESSLER BVLD. – OPEN TO TRAFFIC

Line| "WBL38TH–B"

WESTBOUND 38TH STREET

Taper

Temporary Concrete Barrier Wall

LINE "A"

℄ CONSTRUCTION

I–65 NORTHBOUND

I–65 SOUTHBOUND

EASTBOUND 38TH STREET

TO KESSLER BVLD. – OPEN TO TRAFFIC

FROM KESSLER BVLD. – OPEN TO TRAFFIC

Merge Kessler Bvld. Ramp Into Eastbound 38TH Street

KESSLER BLVD N. DRIVE

NOTES:

All Stationing Line "A" Unless Noted

LEGEND

- Road Construction
- Temporary HMA Widening
- Bridge Construction
- Channelizing Devices
- Indicates Traffic Flow
- Temporary Concrete Barrier
- Riprap Ditch
- Riprap Ditch Check
- Culvert Protection
- Drop Inlet Protection
- Silt Fence
- Sediment Trap
- Side Ditch Protection

STEPHEN F. WEINRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER 9/28/01 DATE

DESIGNED: DJI DRAWN: BEH

CHECKED: MDO CHECKED: DJI

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL PHASE 1 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:500	9614680
SURVEY BOOK	SHEETS
	244 of 520
CONTRACT	PROJECT
R–24327	IM–65–3(281)118

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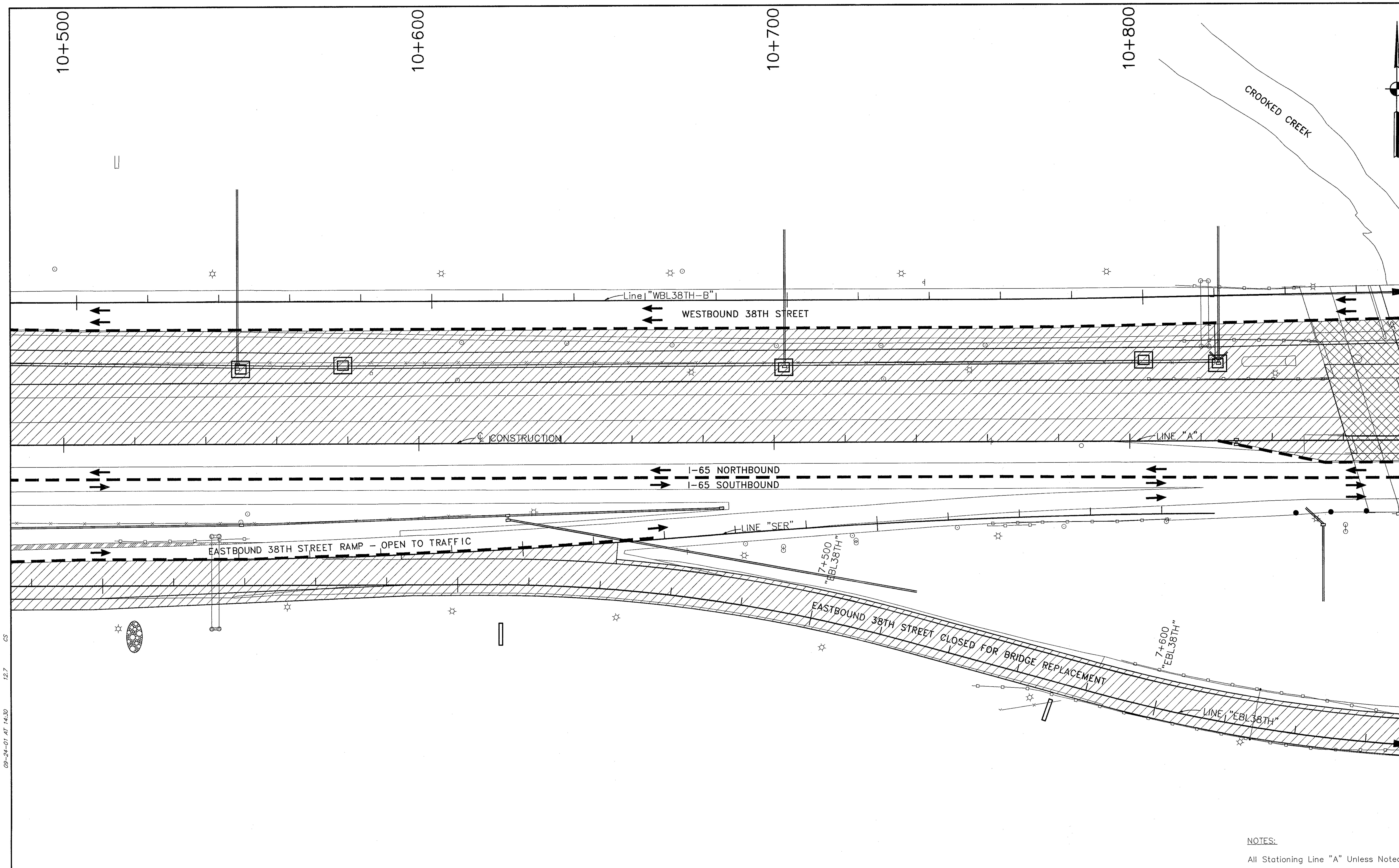

NOTES:

All Stationing Line "A" Unless Noted

LEGEND

Road Construction	Channelizing Devices	Riprap Ditch
Temporary HMA Widening	Indicates Traffic Flow	Riprap Ditch Check
Bridge Construction	Temporary Concrete Barrier	Culvert Protection
Drop Inlet Protection	Silt Fence	Sediment Trap
Side Ditch Protection		

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

DESIGNED:	DJI	DRAWN:	BEH
CHECKED:	MDO	CHECKED:	DJI

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE 1 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:500	9614680
SURVEY BOOK	SHEETS
	245 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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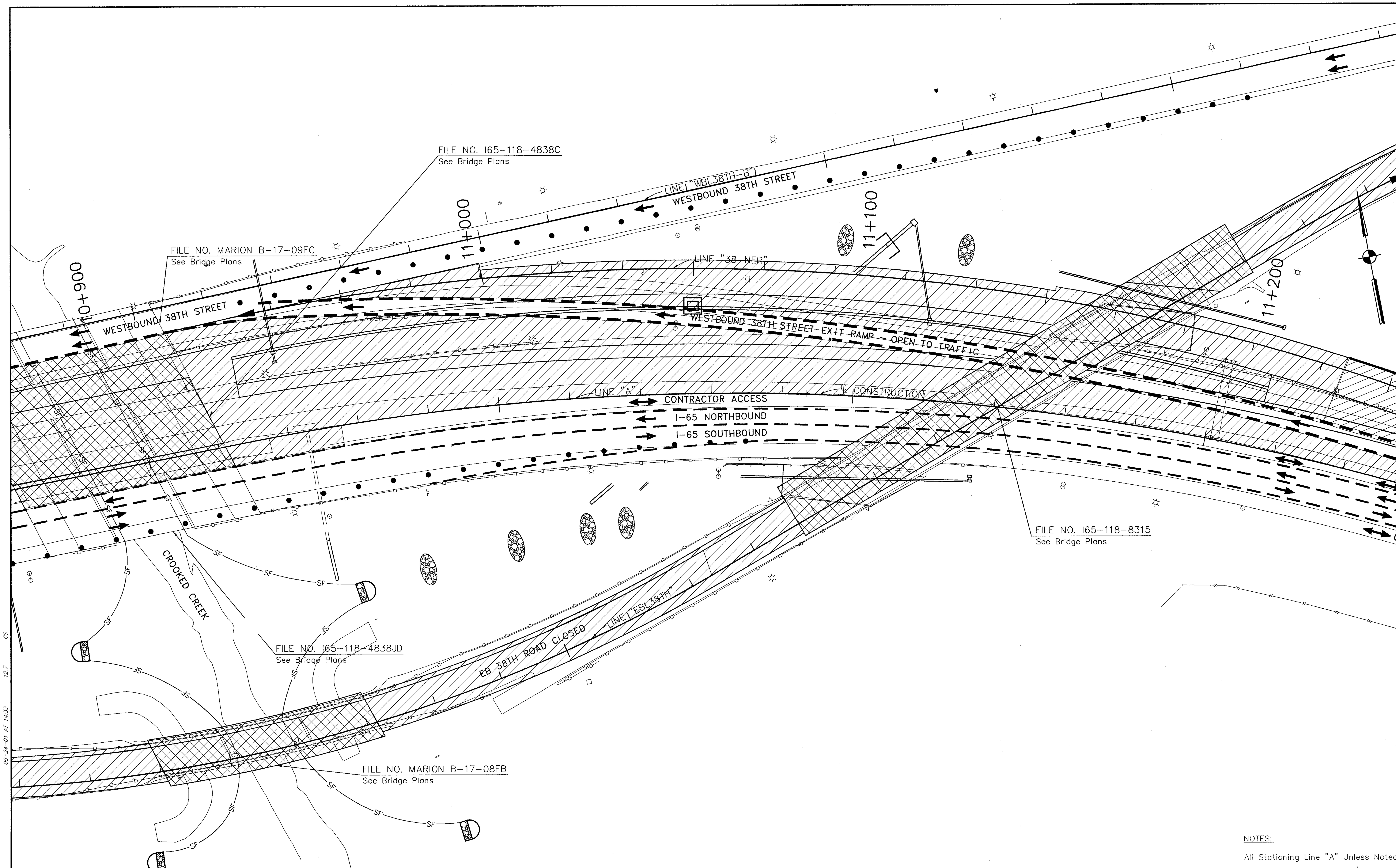

NOTES:

All Stationing Line "A" Unless Noted

LEGEND

Road Construction	Channelizing Devices	Riprap Ditch
Temporary HMA Widening	Indicates Traffic Flow	Riprap Ditch Check
Bridge Construction	Temporary Concrete Barrier	Culvert Protection
Drop Inlet Protection	Silt Fence	Sediment Trap
Side Ditch Protection		

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

DESIGNED: DJI DRAWN: BEH
CHECKED: MDO CHECKED: DJI

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE 1 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:500	9614680
SURVEY BOOK	SHEETS
	246 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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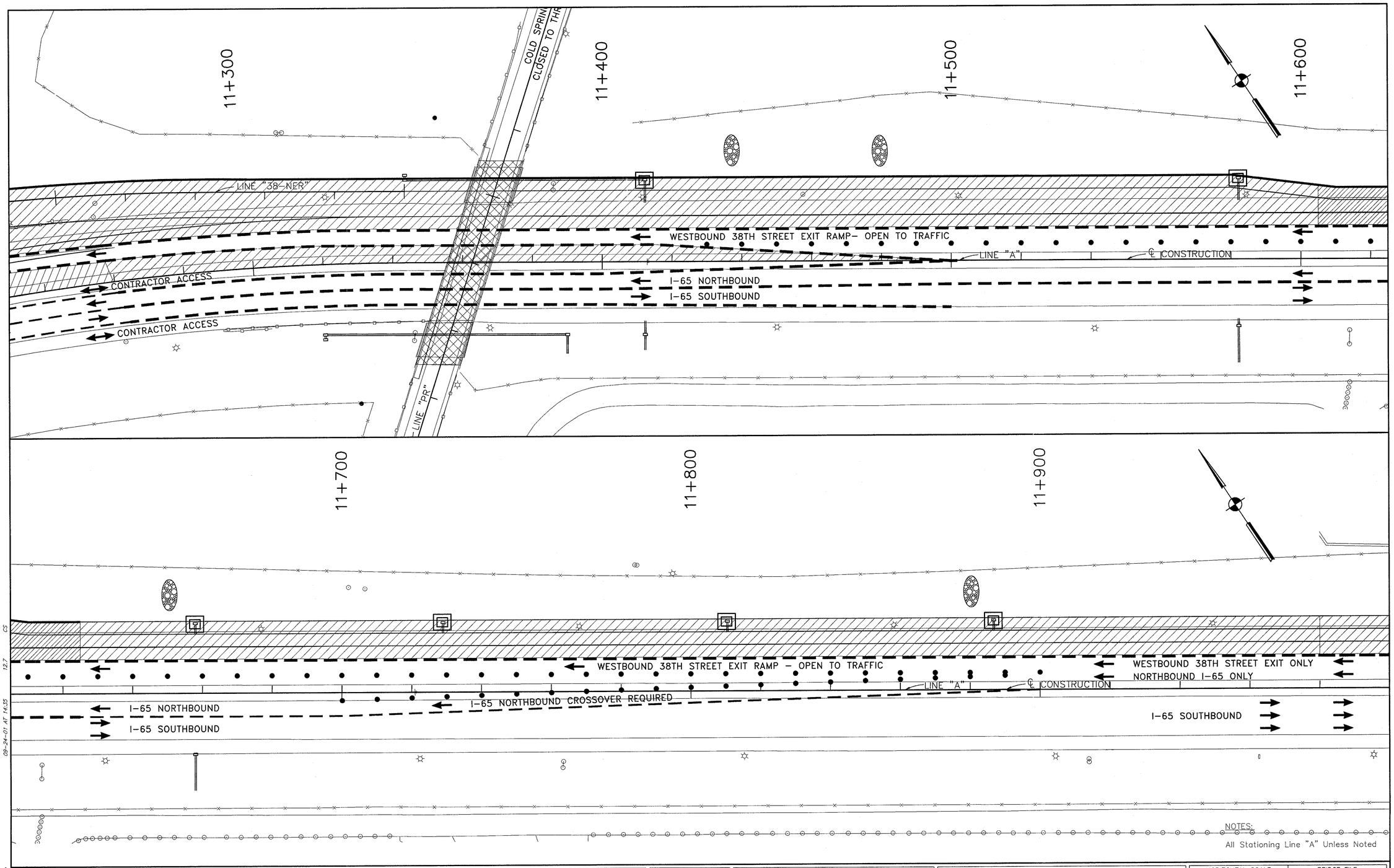

NOTES:

All Stationing Line "A" Unless Noted

LEGEND

- Road Construction
- Temporary HMA Widening
- Bridge Construction
- Channelizing Devices
- Indicates Traffic Flow
- Temporary Concrete Barrier
- Riprap Ditch
- Riprap Ditch Check
- Culvert Protection
- Drop Inlet Protection
- Silt Fence
- Sediment Trap
- Side Ditch Protection

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER 9/28/01 DATE

DESIGNED: DJI | DRAWN: BEH

CHECKED: MDO | CHECKED: DJI

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL PHASE 1 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:500	9614680
SURVEY BOOK	SHEETS
	247 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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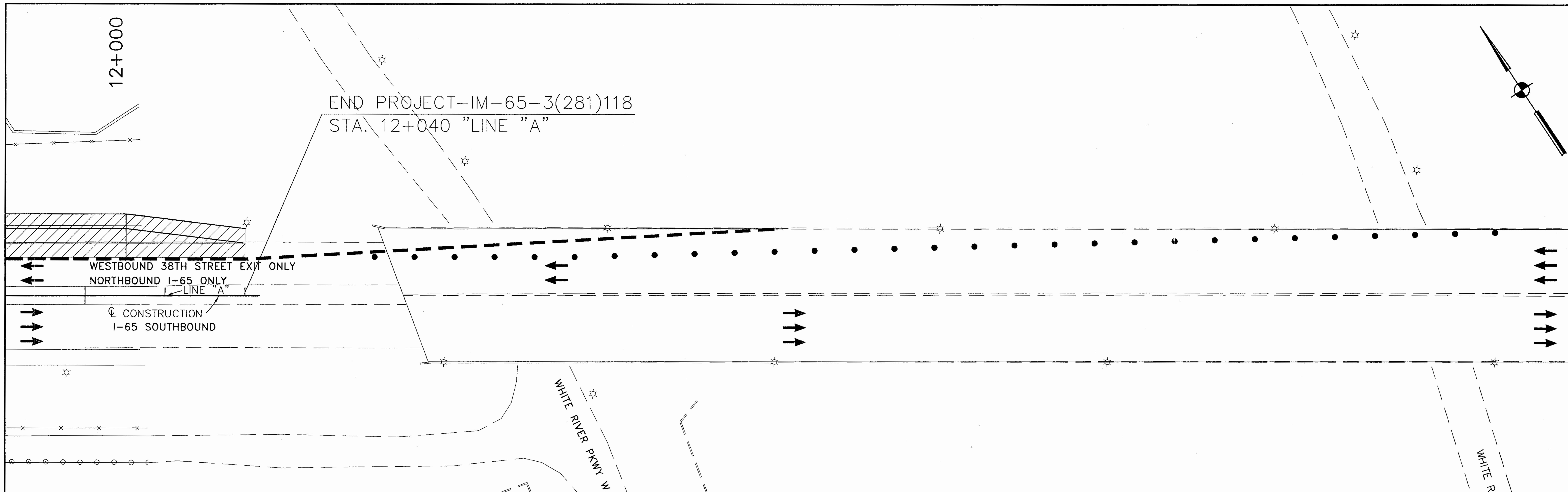

NOTES:

All Stationing Line "A" Unless Noted

LEGEND

Road Construction	Channelizing Devices	Riprap Ditch	Drop Inlet Protection
Temporary HMA Widening	Indicates Traffic Flow	Riprap Ditch Check	Silt Fence
Bridge Construction	Temporary Concrete Barrier	Culvert Protection	Sediment Trap
			Side Ditch Protection

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

DESIGNED:	DJI	DRAWN:	BEH
CHECKED:	MDO	CHECKED:	DJI

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL PHASE 1 LINE "A"

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:500	DESIGNATION 9614680
SURVEY BOOK	SHEETS 248 of 520
CONTRACT R-24327	PROJECT IM-65-3(281)118

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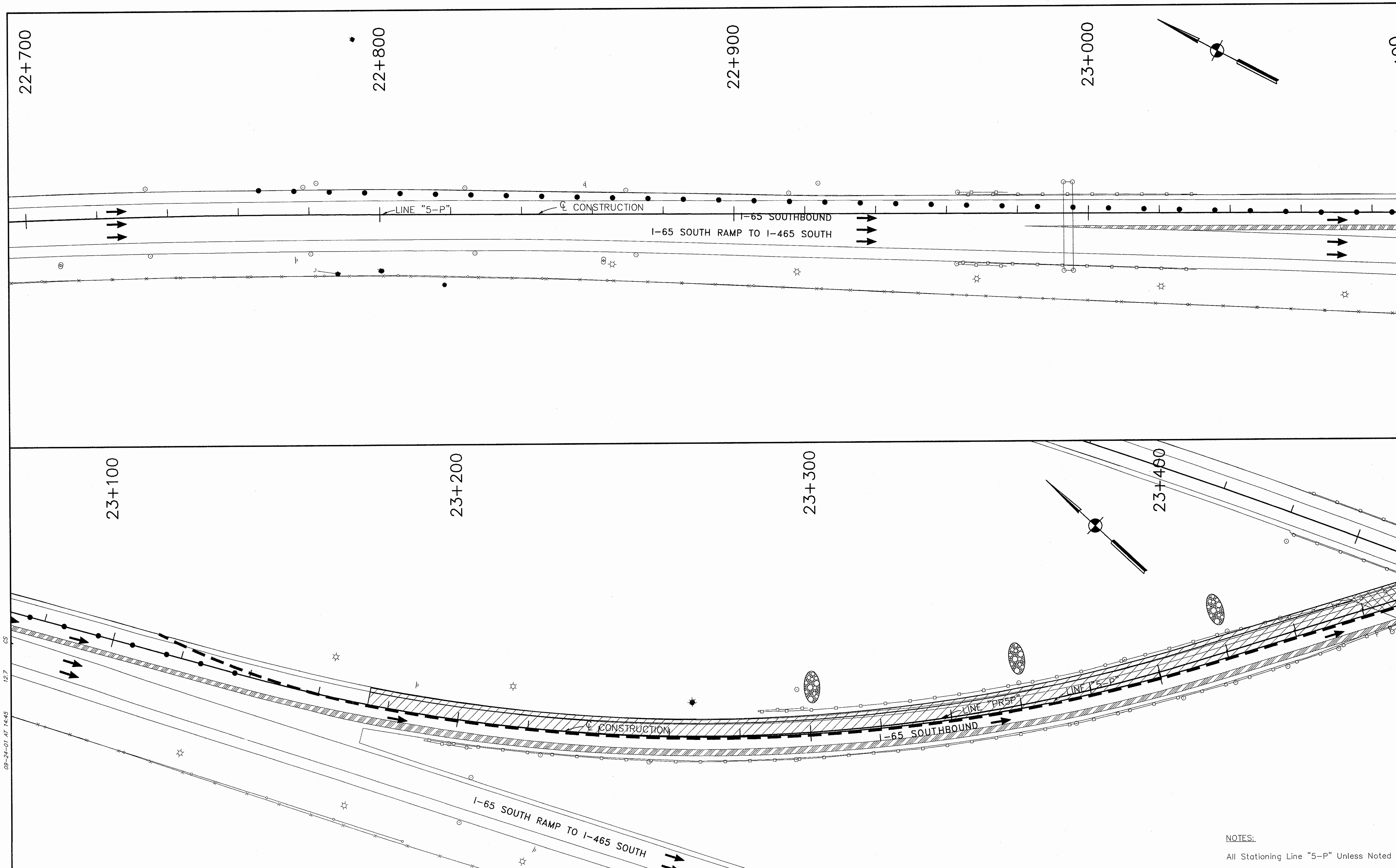


NOTES:

All Stationing Line "5-P" Unless Noted

LEGEND

Road Construction	Channelizing Devices	Riprap Ditch
Temporary HMA Widening	Indicates Traffic Flow	Riprap Ditch Check
Bridge Construction	Temporary Concrete Barrier	Culvert Protection
Drop Inlet Protection	Silt Fence	Sediment Trap
Side Ditch Protection		

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Stephen F. Weintraut 9/28/01
DESIGN ENGINEER DATE

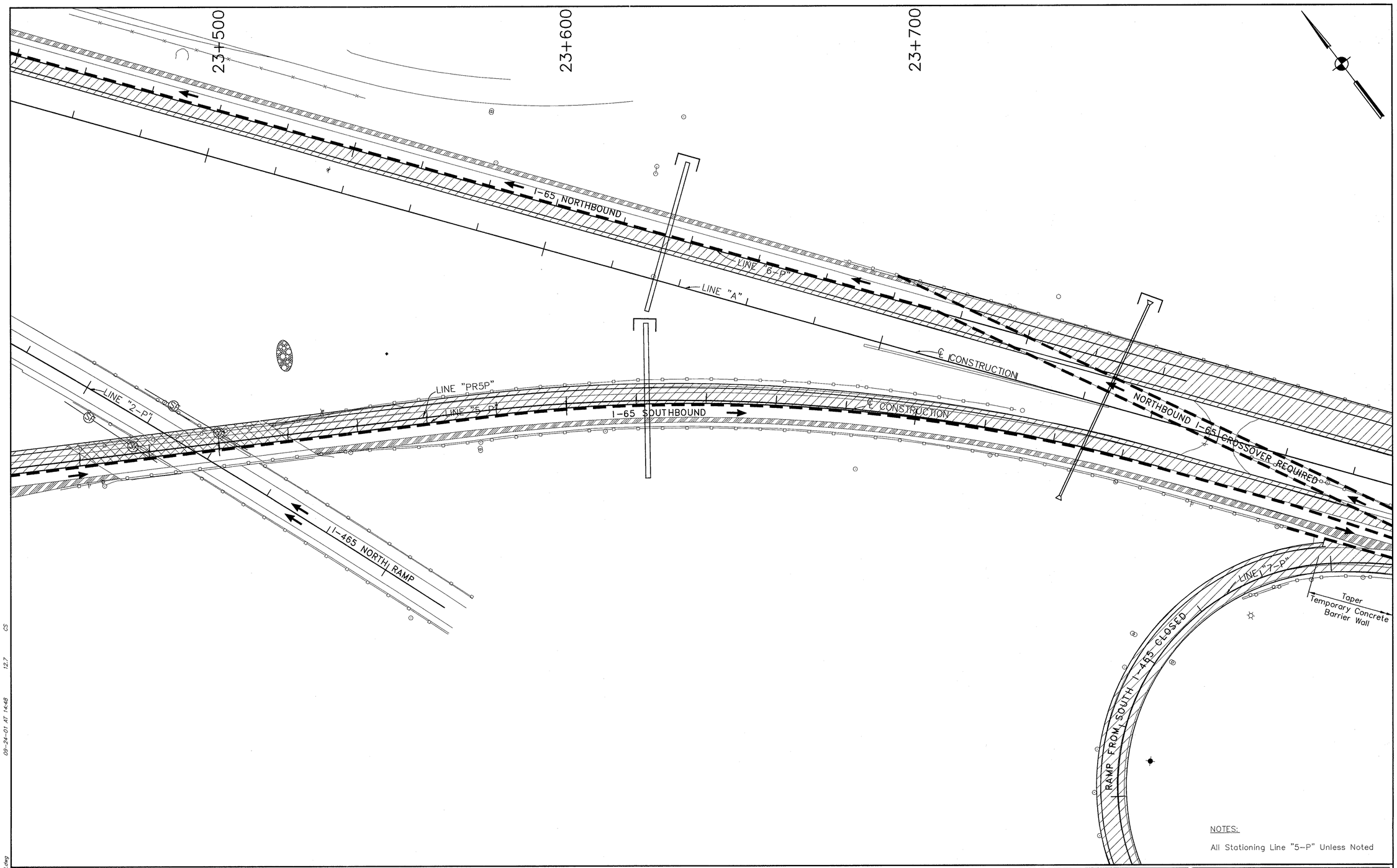
DESIGNED:	DJI	DRAWN:	BEH
CHECKED:	MDO	CHECKED:	DJI

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE 1 LINE "5P"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:500	9614680
SURVEY BOOK	SHEETS
	249 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

R:\3804\asbuilts\CPO1-19-5P.dwg 09-24-01 AT 14:45 12.7 CS



NOTES:

All Stationing Line "5-P" Unless Noted

LEGEND

- Road Construction
- Temporary HMA Widening
- Bridge Construction
- Channelizing Devices
- Indicates Traffic Flow
- Temporary Concrete Barrier
- Riprap Ditch
- Riprap Ditch Check
- Culvert Protection
- Drop Inlet Protection
- Silt Fence
- Sediment Trap
- Side Ditch Protection

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER 9/28/01 DATE

DESIGNED: DJI DRAWN: BEH

CHECKED: MDO CHECKED: DJI

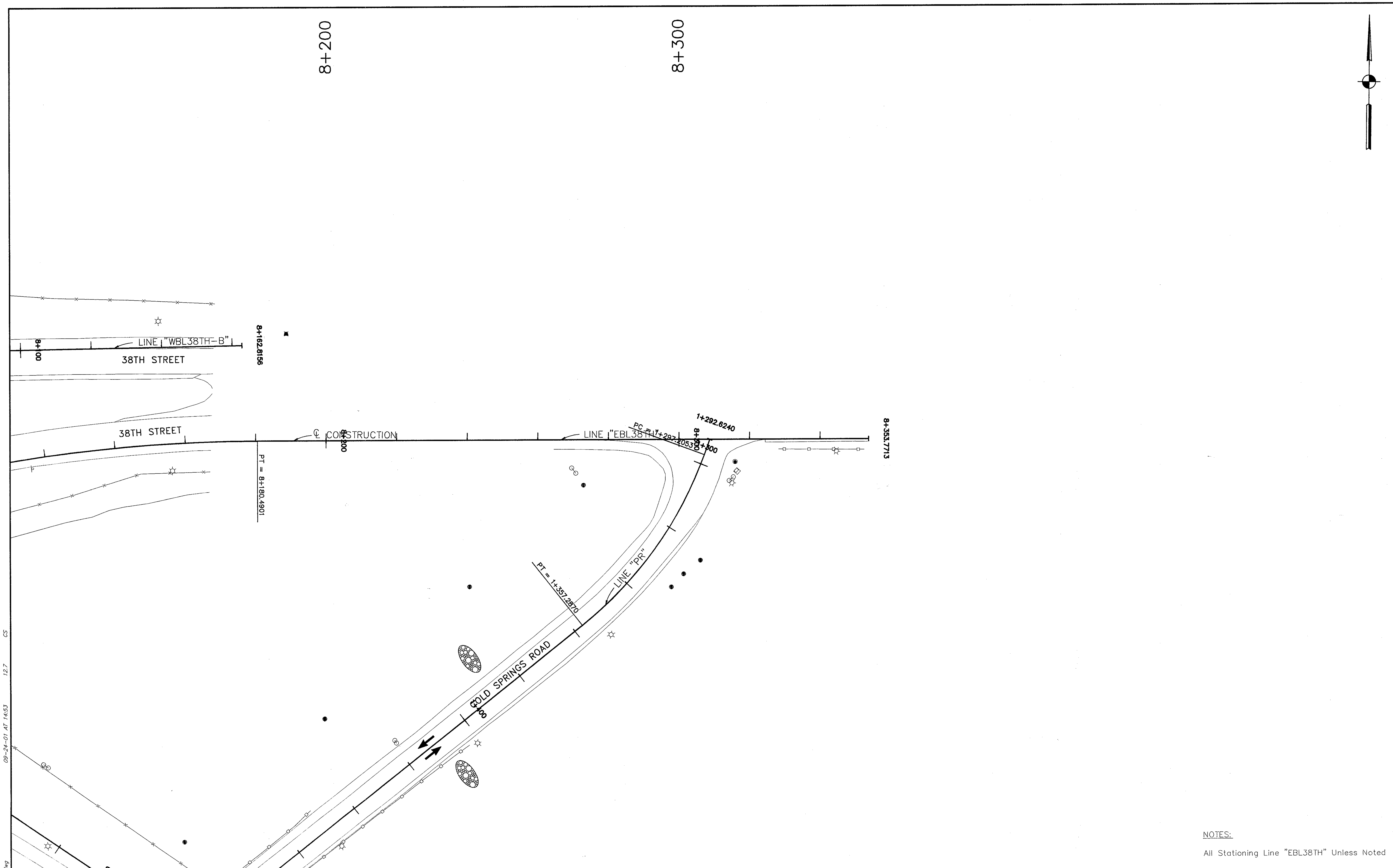
INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE 1 LINE "5P"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:500	9614680
SURVEY BOOK	SHEETS
	250 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

09-24-01 AT 14:48 12.7 CS

R:\3804\cabuilts\ER01-20-5P.dwg



NOTES:
All Stationing Line "EBL38TH" Unless Noted

LEGEND

- Road Construction
- Temporary HMA Widening
- Bridge Construction
- Channelizing Devices
- Indicates Traffic Flow
- Temporary Concrete Barrier
- Riprap Ditch
- Riprap Ditch Check
- Culvert Protection
- Drop Inlet Protection
- Silt Fence
- Sediment Trap
- Side Ditch Protection

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

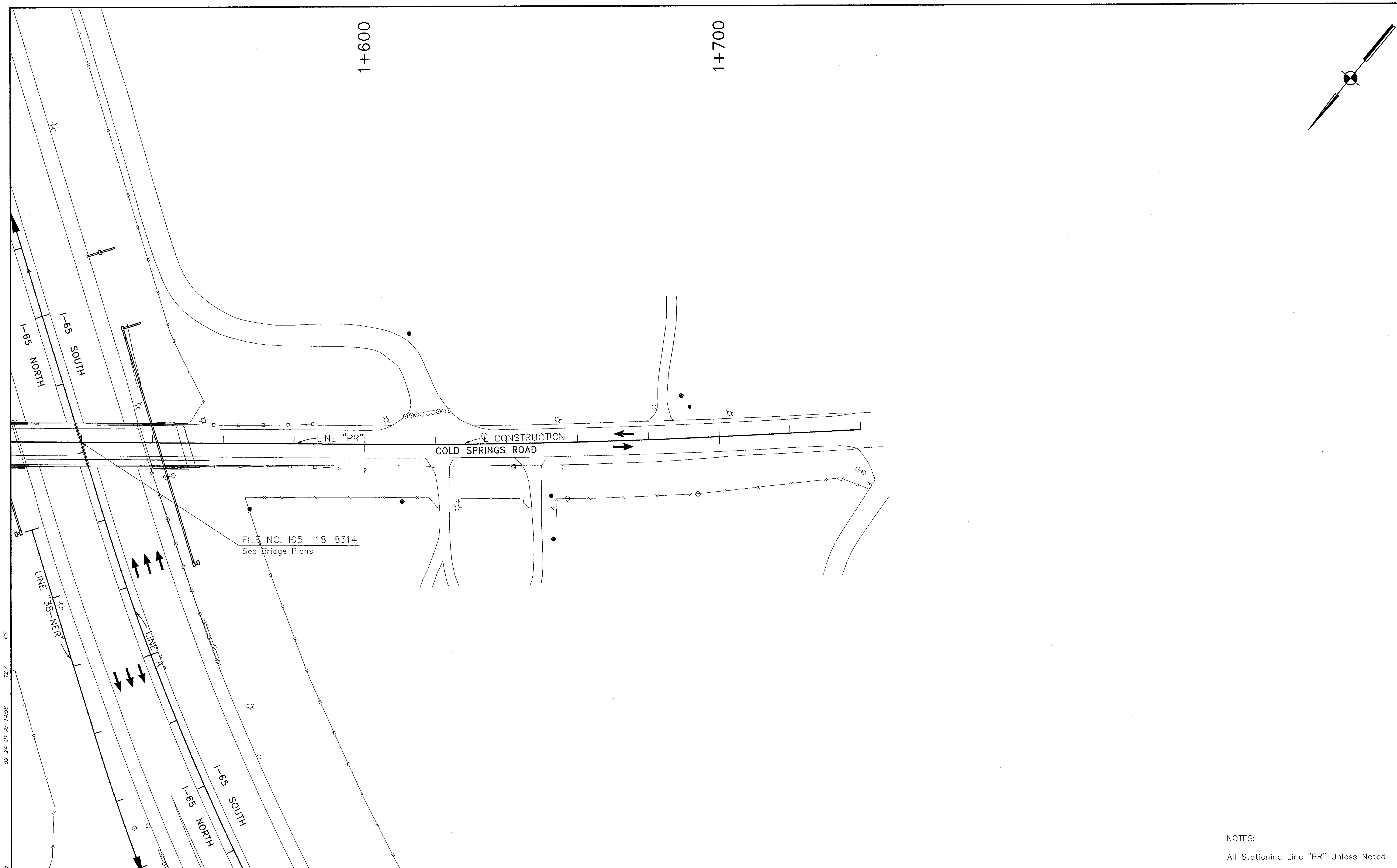
DESIGNED: DJI	DRAWN: BEH
CHECKED: MDO	CHECKED: DJI

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE 1 LINE "EBL38TH"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:500	9614680
SURVEY BOOK	SHEETS
	251 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

R:\3604\ecbuilts\ER01-21-E38.dwg 09-24-01 AT 14:53 12.7 CS



NOTES:

All Stationing Line "PR" Unless Noted

LEGEND

Road Construction	Channelizing Devices	Riprap Ditch
Temporary HMA Widening	Indicates Traffic Flow	Riprap Ditch Check
Bridge Construction	Temporary Concrete Barrier	Culvert Protection
Drop Inlet Protection	Silt Fence	Sediment Trap
Side Ditch Protection		

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

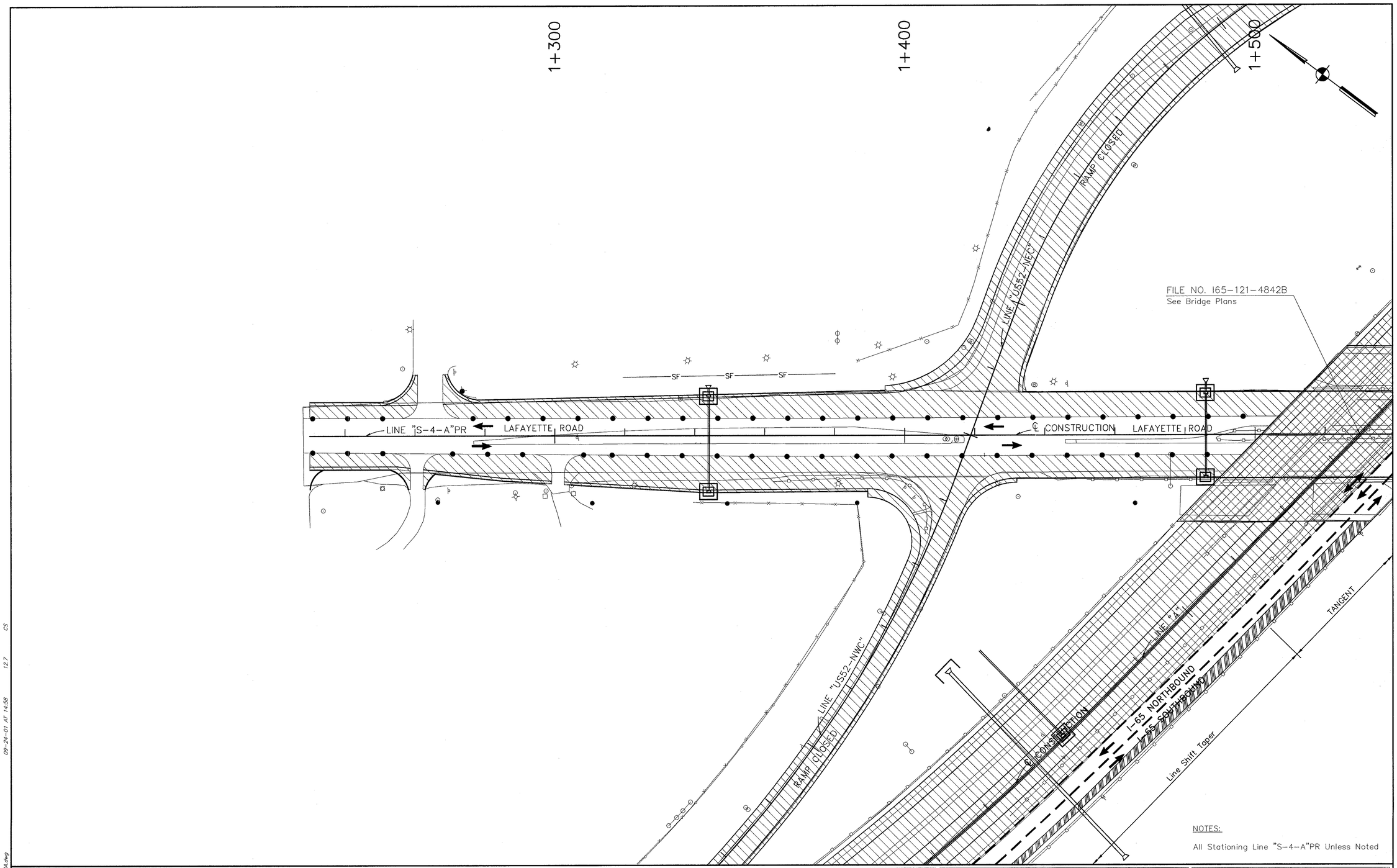
DESIGNED: DJI DRAWN: BEH
CHECKED: MDO CHECKED: DJI

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE 1 LINE "PR"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:500	9614680
SURVEY BOOK	SHEETS
	252 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

R:\3604\asbuilts\ER01-22-PR.dwg 09-24-01 AT 14:56 12.7 CS



NOTES:

All Stationing Line "S-4-A"PR Unless Noted

LEGEND

- Road Construction
- Temporary HMA Widening
- Bridge Construction
- Channelizing Devices
- Indicates Traffic Flow
- Temporary Concrete Barrier
- Riprap Ditch
- Riprap Ditch Check
- Culvert Protection
- Drop Inlet Protection
- Silt Fence
- Sediment Trap
- Side Ditch Protection

STEPHEN F. WEINRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Stephen F. Weinraut 9/28/01
DESIGN ENGINEER DATE

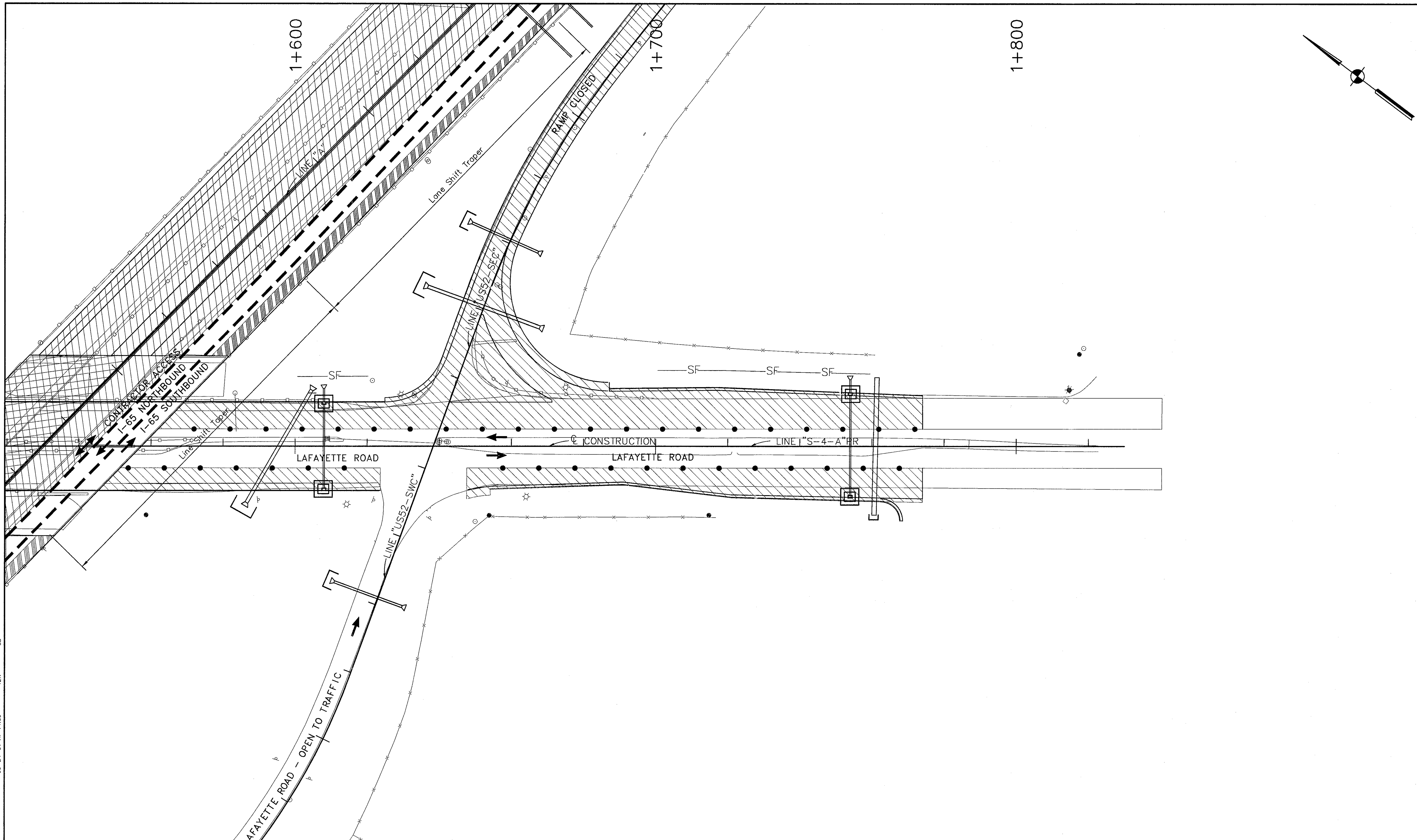
DESIGNED: DJI DRAWN: BEH
CHECKED: MDO CHECKED: DJI

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE 1 LINE "S-4-A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:500	9614680
SURVEY BOOK	SHEETS
	253 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

P:\380A\cebullis\ER01-23-S4A.dwg 12.7 CS 09-24-01 AT 14:58



NOTES:

All Stationing Line "A-4-A"PR Unless Noted

LEGEND

Symbol	Description
	Road Construction
	Temporary HMA Widening
	Bridge Construction
•	Channelizing Devices
→	Indicates Traffic Flow
— —	Temporary Concrete Barrier
	Riprap Ditch
	Riprap Ditch Check
	Culvert Protection
	Drop Inlet Protection
SF	Silt Fence
	Sediment Trap
	Side Ditch Protection

STEPHEN F. WEINTRAUT REGISTERED STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

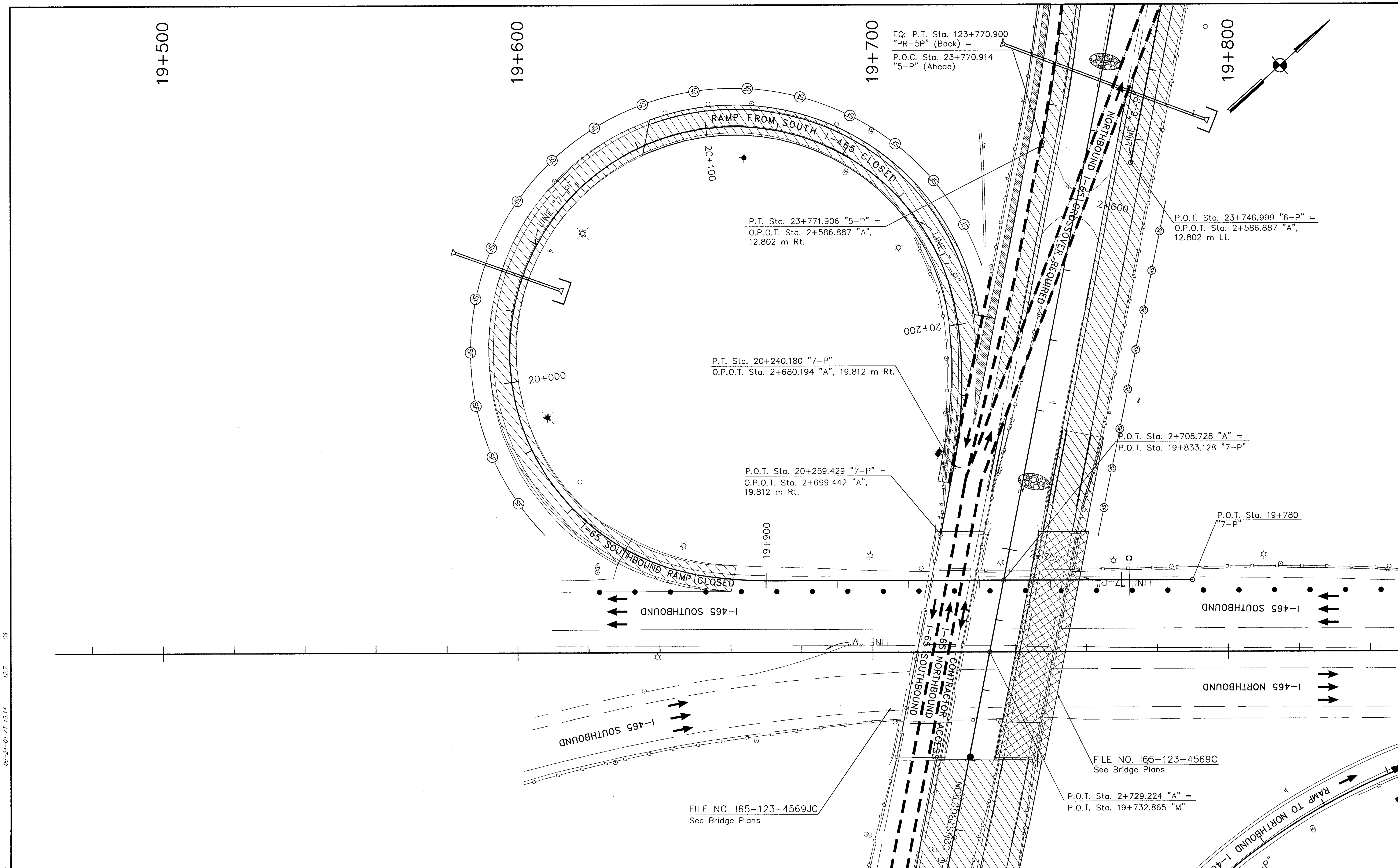
DESIGNED:	DJI	DRAWN:	BEH
CHECKED:	MDO	CHECKED:	DJI

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE 1 LINE "S-4-A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:500	9614680
SURVEY BOOK	SHEETS
	254 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

R:\3804\asbuilts\ERO1-24-S4AE.dwg 09-24-01 AT 14:60 12.7 CS



LEGEND

Road Construction	Channelizing Devices	Riprap Ditch	Drop Inlet Protection
Temporary HMA Widening	Indicates Traffic Flow	Riprap Ditch Check	Silt Fence
Bridge Construction	Temporary Concrete Barrier	Culvert Protection	Sediment Trap
			Side Ditch Protection

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] DESIGN ENGINEER 9/28/01 DATE

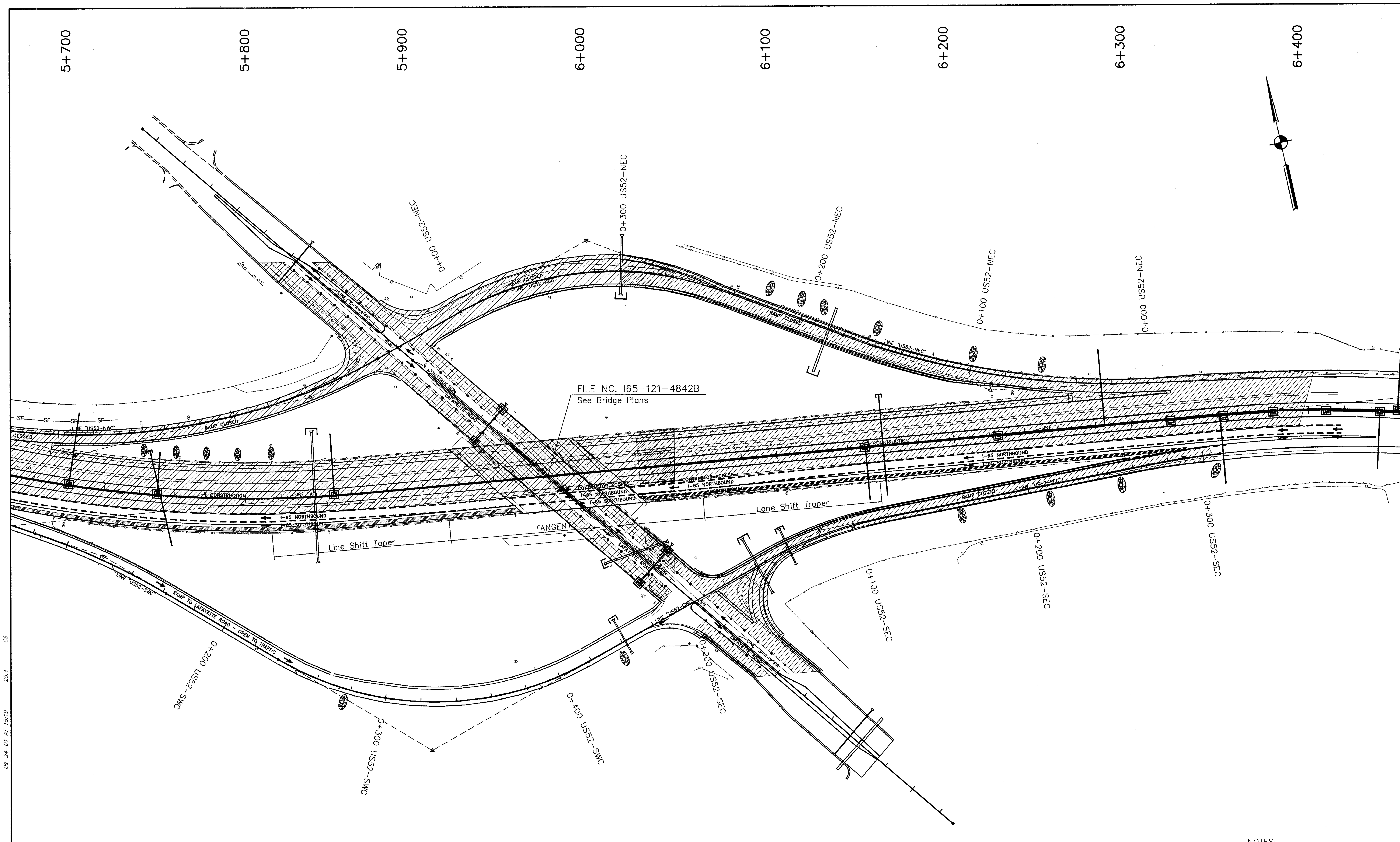
DESIGNED: DJI DRAWN: BEH
CHECKED: MDO CHECKED: DJI

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE 1 LINE "7-P"

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:500	DESIGNATION 9614680
SURVEY BOOK	SHEETS 255 of 520
CONTRACT R-24327	PROJECT IM-65-3(281)118

R:\3604\asbuilts\EF01-26-7P.dwg 09-24-01 AT 15:14 12.7 CS



NOTES:

All Stationing Line "A" Unless Noted

LEGEND

Road Construction	Channelizing Devices	Riprap Ditch
Temporary HMA Widening	Indicates Traffic Flow	Riprap Ditch Check
Bridge Construction	Temporary Concrete Barrier	Culvert Protection

- Drop Inlet Protection
- Silt Fence
- Sediment Trap
- Side Ditch Protection

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] DESIGN ENGINEER 9/28/01 DATE

DESIGNED:	DJI	DRAWN:	BEH
CHECKED:	MDO	CHECKED:	DJI

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE 1 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:1000	
VERTICAL SCALE	DESIGNATION
1:1000	9614680
SURVEY BOOK	SHEETS
	256 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

R:\3804\asbuilts\ER01-27-SEC.dwg 09-24-01 AT 15:19 25.4 CS

SEEDING SPECIFICATIONS:

1.) Shall be in Accordance with Section 621 of the Current Indiana Department of Transportation Standard Specifications.

RECOMMENDED EROSION CONTROL MEASURES:

1.) Shall be in Accordance with Section 205 of the Current Indiana Department of Transportation & Typical Standard Sheets.

2.) Topsoil Salvage and Utilization: Removal of Topsoil from all areas to be Excavated or Filled. Topsoil should be stored at a location where it will not interfere with construction operations. The use of a Perimeter Erosion Control Method shall be required and as directed by the project Engineer. Any excess excavation shall be disposed of outside of the R/W as directed in section 203.10 & 202

3.) Surface Roughening: All Slopes which are graded & not immediately stabilized with other erosion control measures shall be roughened as described in section 203.09 until permanent Erosion Control Measures are placed.

4.) Tree Conservation/Protection: As per Section 201.02 the Contractor shall, at the direction of the Engineer, endeavor to save and protect any vegetation which does not impair construction of improvements as designed.

5.) Maintenance Schedule: Maintenance of all erosion control practices should be done as needed on a weekly basis and after all large storms. A construction supervisor should be assigned the task of seeing that all practices are maintained according to the design criteria. and as described in section 205.08.

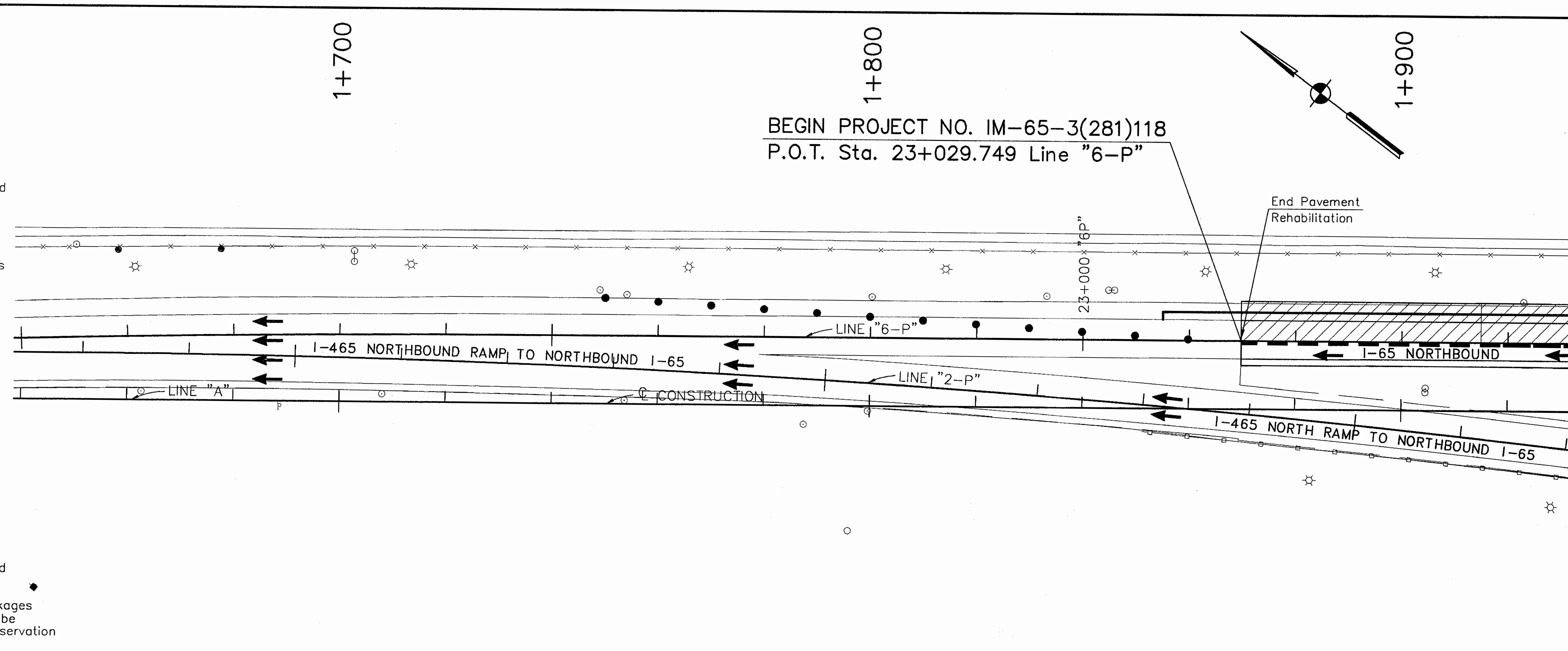
SOIL EROSION CONTROL SUMMARY:

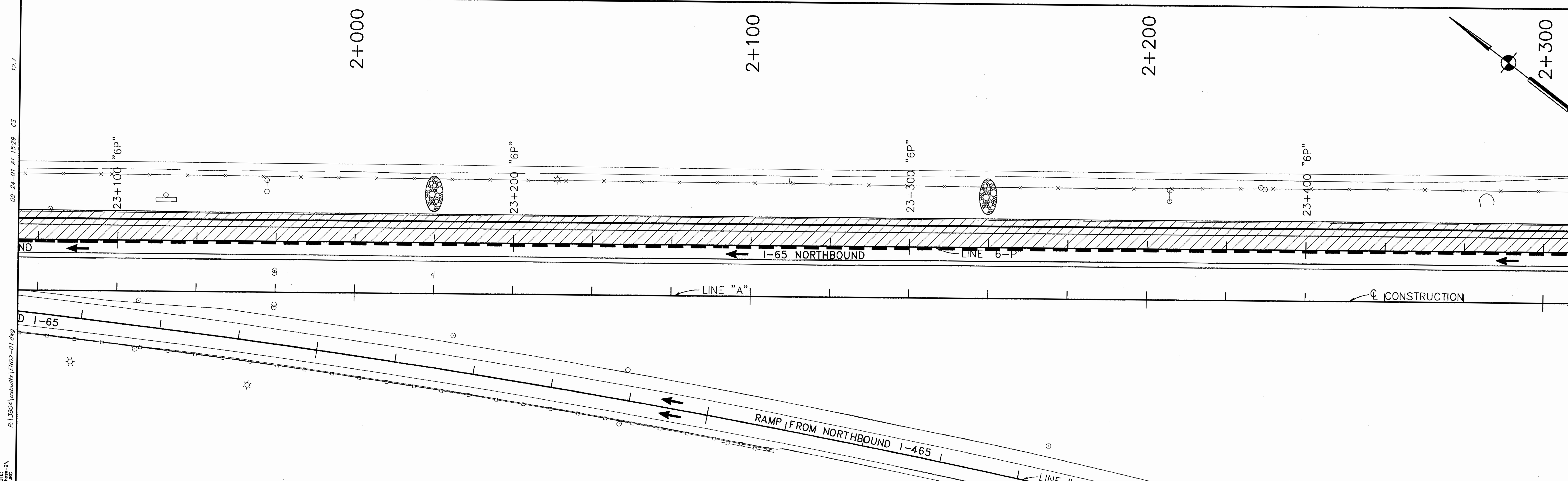
1.) Contractor shall install all erosion control methods as shown.

2.) Grade the site (sides of swale, mounds and ponds to be seeded and mulched immediately upon completion). Disturbed areas should be kept to a minimum at all times.

3.) Contractor shall control soil accumulation on all streets surrounding project by installing stone surface at all locations where construction traffic leaves the site. Dust shall be kept to a minimum as described in section 107.08(b).

4.) Maintain all filters and traps during construction to prevent any blockages from accumulated sediment. Additional seeding and straw bales may be required during construction as specified by the Engineer or Soil Conservation Service.





LEGEND

Road Construction	Channelizing Devices	Riprap Ditch
Temporary HMA Widening	Indicates Traffic Flow	Riprap Ditch Check
Bridge Construction	Temporary Concrete Barrier	Culvert Protection
Drop Inlet Protection	Silt Fence	Sediment Trap
Side Ditch Protection		

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

DESIGNED:	DJI	DRAWN:	MS
CHECKED:	MDO	CHECKED:	DJI

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL PHASE 2 LINE "A"

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:500	DESIGNATION 9614680
SURVEY BOOK	SHEETS 257 of 520
CONTRACT R-24327	PROJECT IM-65-3(281)118

2+300
2+400
2+500
2+600
2+700
2+800
2+900
3+000
23+500 "6P"
23+600 "6P"
23+700 "6P"
I-65 NORTHBOUND
LINE "6-P"
LINE "A"
℄ CONSTRUCTION
SOUTHBOUND I-65 CROSSOVER REQUIRED
I-65 SOUTHBOUND
LINE "5-P"
LINE "7-P"
I-465 SOUTHBOUND
I-465 NORTHBOUND
FILE NO. 165-123-4569C
See Bridge Plans
LINE "8-P"
Tangent
Lane Shift Taper
RAMP I TO NORTHBOUND I-465 - OPEN TO TRAFFIC
LINE "PR-8P"
I-65 NORTHBOUND
I-65 SOUTHBOUND
CONTRACTOR ACCESS
℄ CONSTRUCTION
I-65 NORTHBOUND
I-65 SOUTHBOUND
LINE "A"
LINE "M"
SF
FILE NO. 165-123-4569JC
See Bridge Plans

09-24-01 15:32 CS
R:\3604\catsuite\CR02-02.dwg

FILE NAME = MP_65NB
XREFERENCES : ES-LINE, W1-NOTE, W2-NOTE, W3-NOTE, W4-NOTE, W5-NOTE, W6-NOTE, W7-NOTE, W8-NOTE, W9-NOTE, W10-NOTE, W11-NOTE, W12-NOTE, W13-NOTE, W14-NOTE, W15-NOTE, W16-NOTE, W17-NOTE, W18-NOTE, W19-NOTE, W20-NOTE, W21-NOTE, W22-NOTE, W23-NOTE, W24-NOTE, W25-NOTE, W26-NOTE, W27-NOTE, W28-NOTE, W29-NOTE, W30-NOTE, W31-NOTE, W32-NOTE, W33-NOTE, W34-NOTE, W35-NOTE, W36-NOTE, W37-NOTE, W38-NOTE, W39-NOTE, W40-NOTE, W41-NOTE, W42-NOTE, W43-NOTE, W44-NOTE, W45-NOTE, W46-NOTE, W47-NOTE, W48-NOTE, W49-NOTE, W50-NOTE, W51-NOTE, W52-NOTE, W53-NOTE, W54-NOTE, W55-NOTE, W56-NOTE, W57-NOTE, W58-NOTE, W59-NOTE, W60-NOTE, W61-NOTE, W62-NOTE, W63-NOTE, W64-NOTE, W65-NOTE, W66-NOTE, W67-NOTE, W68-NOTE, W69-NOTE, W70-NOTE, W71-NOTE, W72-NOTE, W73-NOTE, W74-NOTE, W75-NOTE, W76-NOTE, W77-NOTE, W78-NOTE, W79-NOTE, W80-NOTE, W81-NOTE, W82-NOTE, W83-NOTE, W84-NOTE, W85-NOTE, W86-NOTE, W87-NOTE, W88-NOTE, W89-NOTE, W90-NOTE, W91-NOTE, W92-NOTE, W93-NOTE, W94-NOTE, W95-NOTE, W96-NOTE, W97-NOTE, W98-NOTE, 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PLOTTED : 11-Jan-02, 11:31:07 BY JAE

LEGEND

- Road Construction
- Temporary HMA Widening
- Bridge Construction
- Channelizing Devices
- Indicates Traffic Flow
- Temporary Concrete Barrier
- Riprap Ditch
- Riprap Ditch Check
- Culvert Protection
- Drop Inlet Protection
- Silt Fence
- Sediment Trap
- Side Ditch Protection

STEPHEN F. WEINHART REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

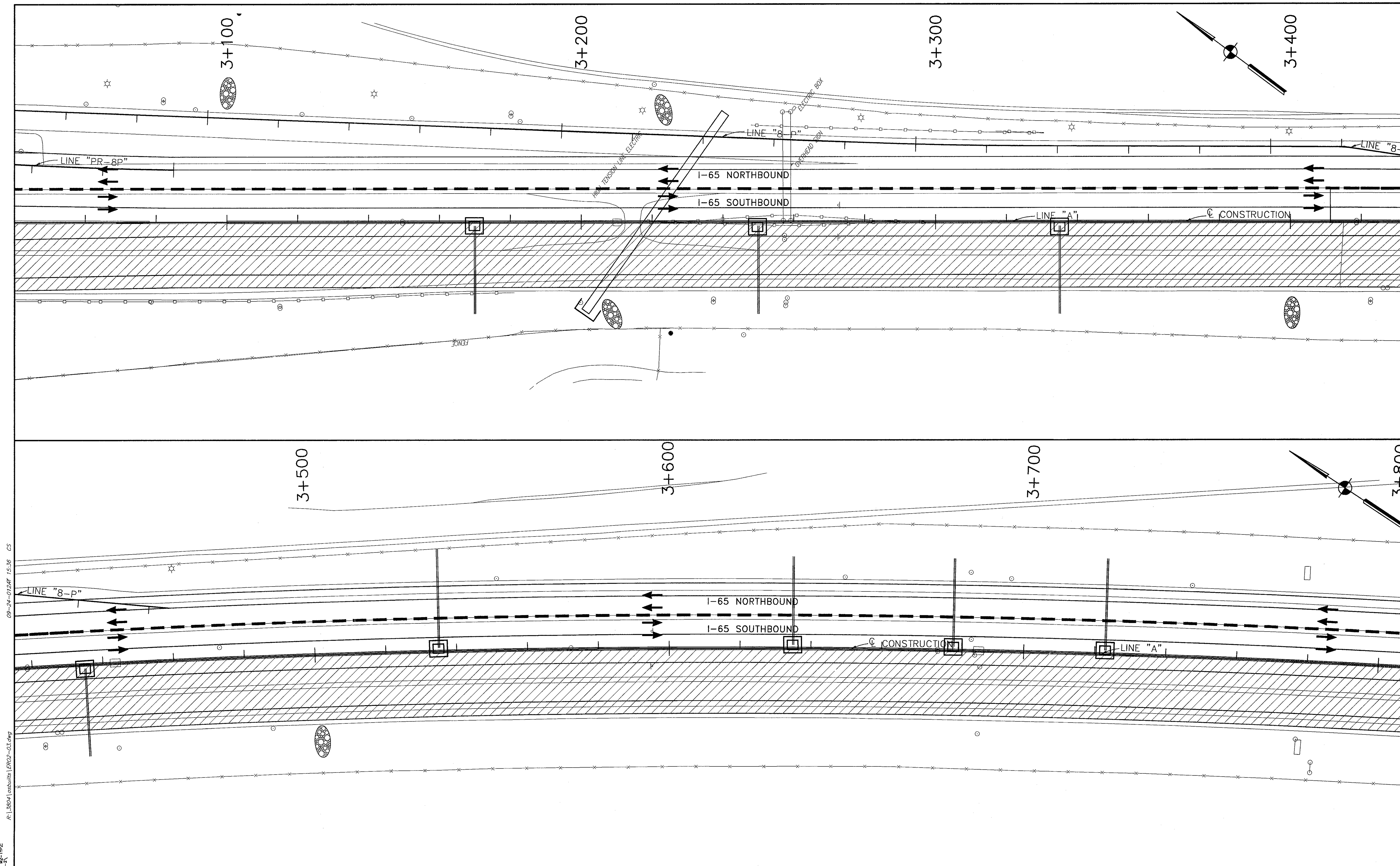
RECOMMENDED FOR APPROVAL Stephen F. Weinhart 9/28/01
DESIGN ENGINEER DATE

DESIGNED: DJI	DRAWN: MS
CHECKED: MDO	CHECKED: DJI

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE 2 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:500	9614680
SURVEY BOOK	SHEETS
	258 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



LEGEND

Road Construction	Channelizing Devices	Riprap Ditch
Temporary HMA Widening	Indicates Traffic Flow	Riprap Ditch Check
Bridge Construction	Temporary Concrete Barrier	Culvert Protection
Drop Inlet Protection	Silt Fence	Sediment Trap
Side Ditch Protection		

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

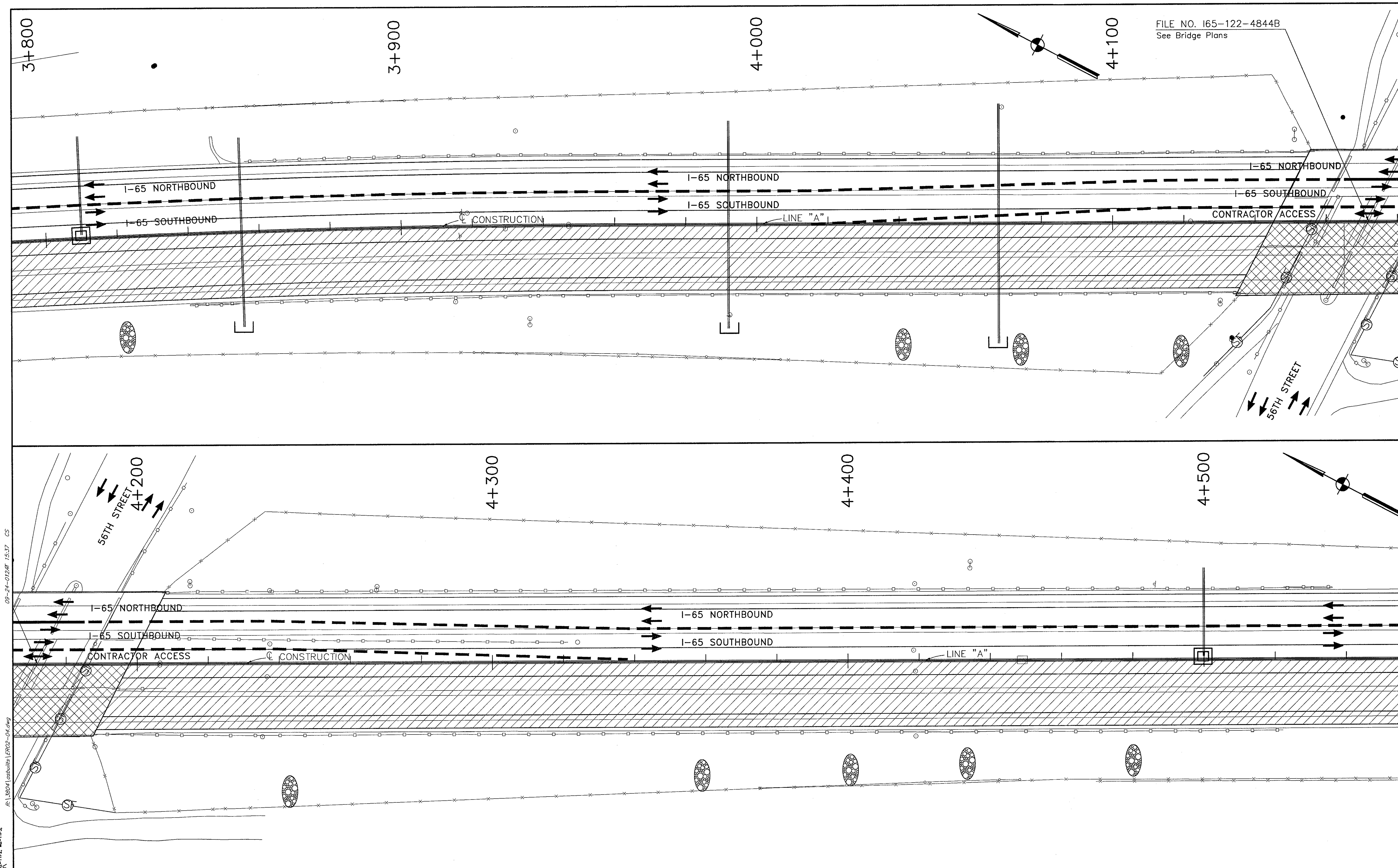
RECOMMENDED FOR APPROVAL Stephen F. Weintraut DESIGN ENGINEER 9/28/01 DATE

DESIGNED: DJI DRAWN: MS
CHECKED: MDO CHECKED: DJI

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL PHASE 2 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:500	9614680
SURVEY BOOK	SHEETS
	259 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



LEGEND

Road Construction	Channelizing Devices
Temporary HMA Widening	Indicates Traffic Flow
Bridge Construction	Temporary Concrete Barrier
Riprap Ditch	Drop Inlet Protection
Riprap Ditch Check	Silt Fence
Culvert Protection	Sediment Trap
	Side Ditch Protection

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL: [signature] DESIGN ENGINEER 9/28/01 DATE

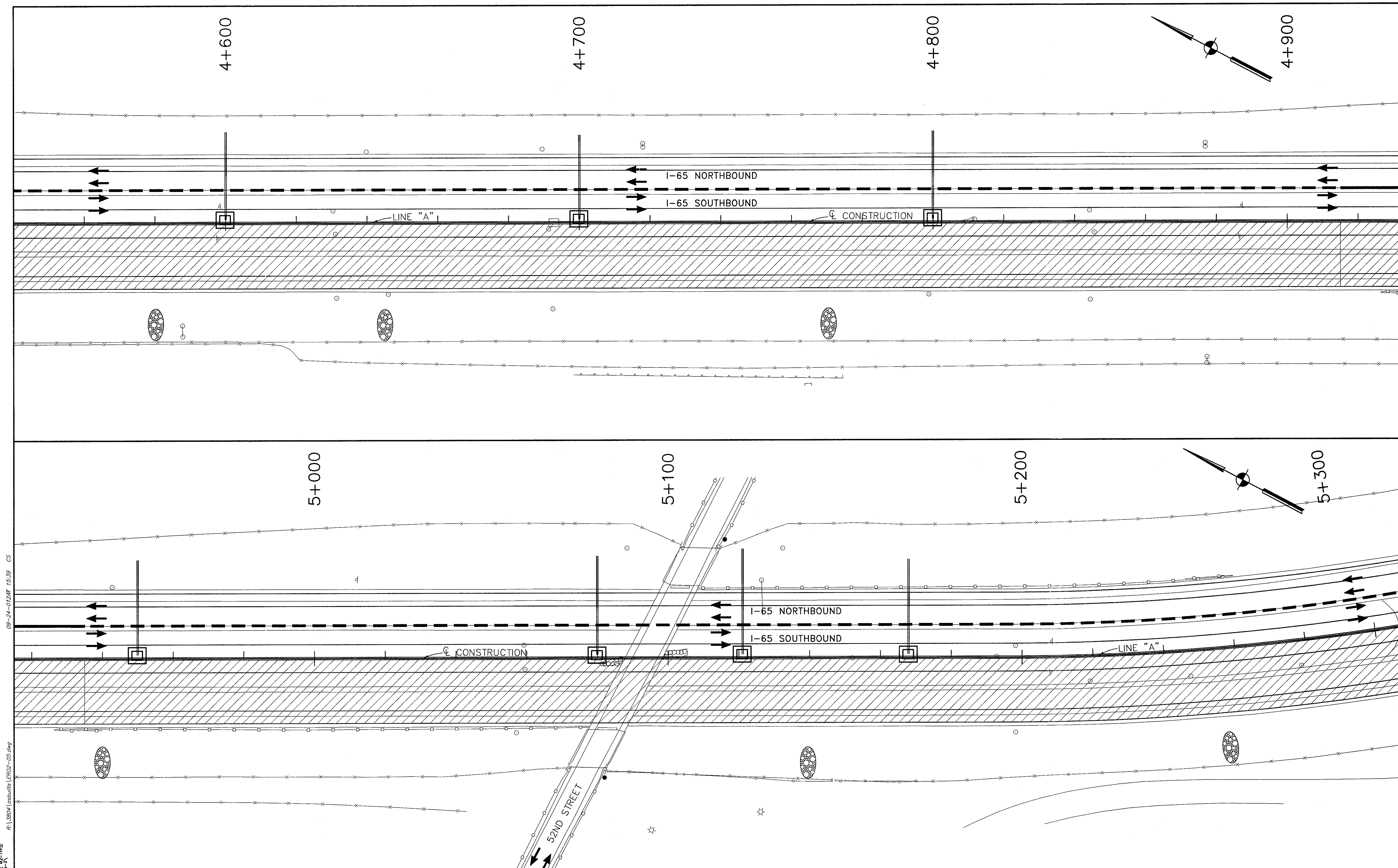
DESIGNED: DJI DRAWN: MS

CHECKED: MDO CHECKED: DJI

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL PHASE 2 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:500	9614680
SURVEY BOOK	SHEETS
	260 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



LEGEND

Road Construction	Channelizing Devices
Temporary HMA Widening	Indicates Traffic Flow
Bridge Construction	Temporary Concrete Barrier
Riprap Ditch	Drop Inlet Protection
Riprap Ditch Check	Silt Fence
Culvert Protection	Sediment Trap
	Side Ditch Protection

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Stephen F. Weintraut 9/28/01
DESIGN ENGINEER DATE

DESIGNED: DJI	DRAWN: MS
CHECKED: MDO	CHECKED: DJI

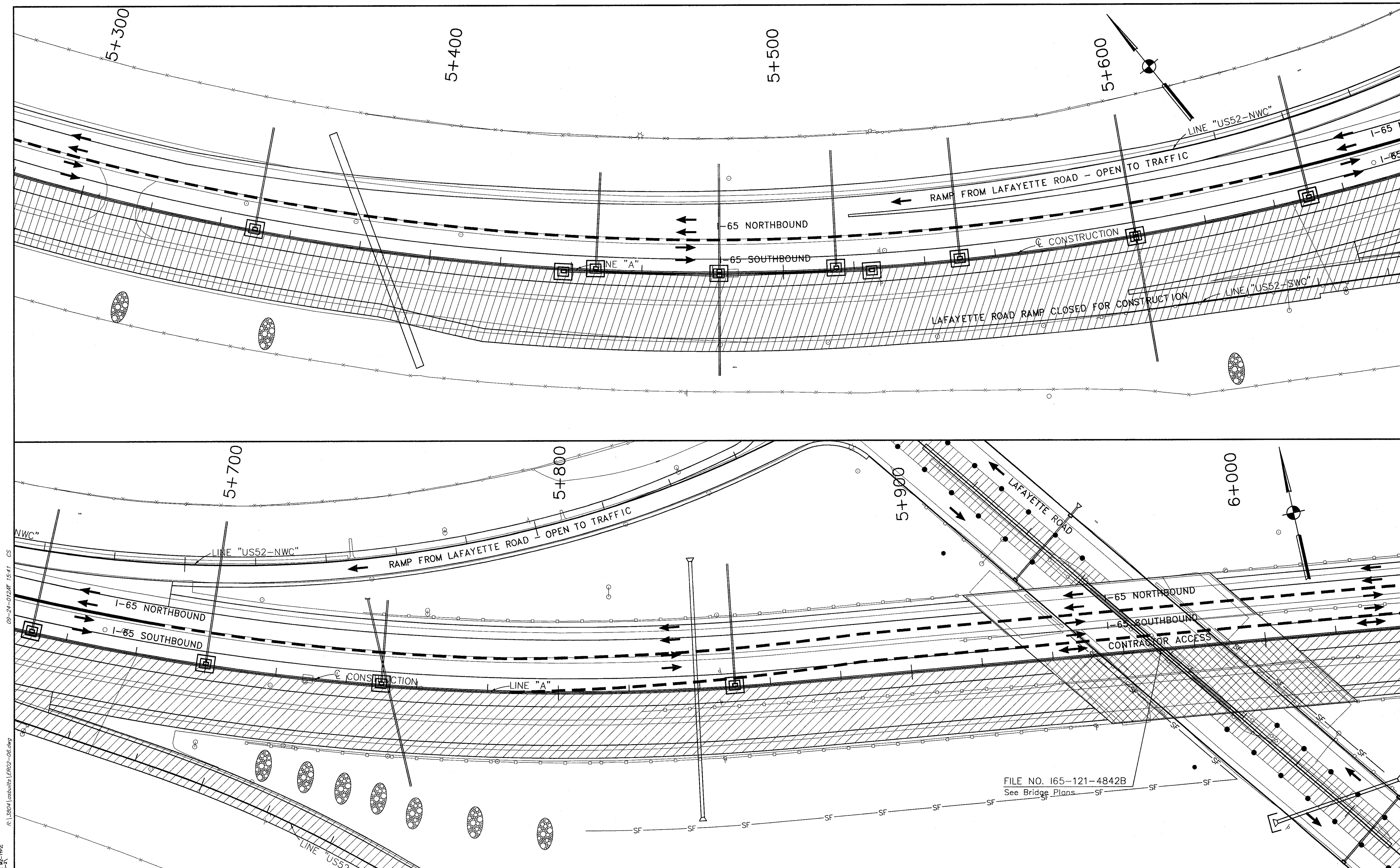
INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL PHASE 2 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:500	9614680
SURVEY BOOK	SHEETS
	261 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

FILE NAME : M2-12.dwg
XREFERENCES : M2-LEG; M2-NOTE; ES-LINE; M2-TYP2;
DIRECTORY PATH: R:\Roads\996510\Mot\Phase-2\
MRD\INT : 14-JAN-00, 11:36:06 / JRC

R:\3804\asbuilts\FR02-05.dwg
09-24-01247 15:39 CS



LEGEND

Road Construction	Channelizing Devices	Riprap Ditch
Temporary HMA Widening	Indicates Traffic Flow	Riprap Ditch Check
Bridge Construction	Temporary Concrete Barrier	Culvert Protection

Drop Inlet Protection
Silt Fence
Sediment Trap
Side Ditch Protection

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

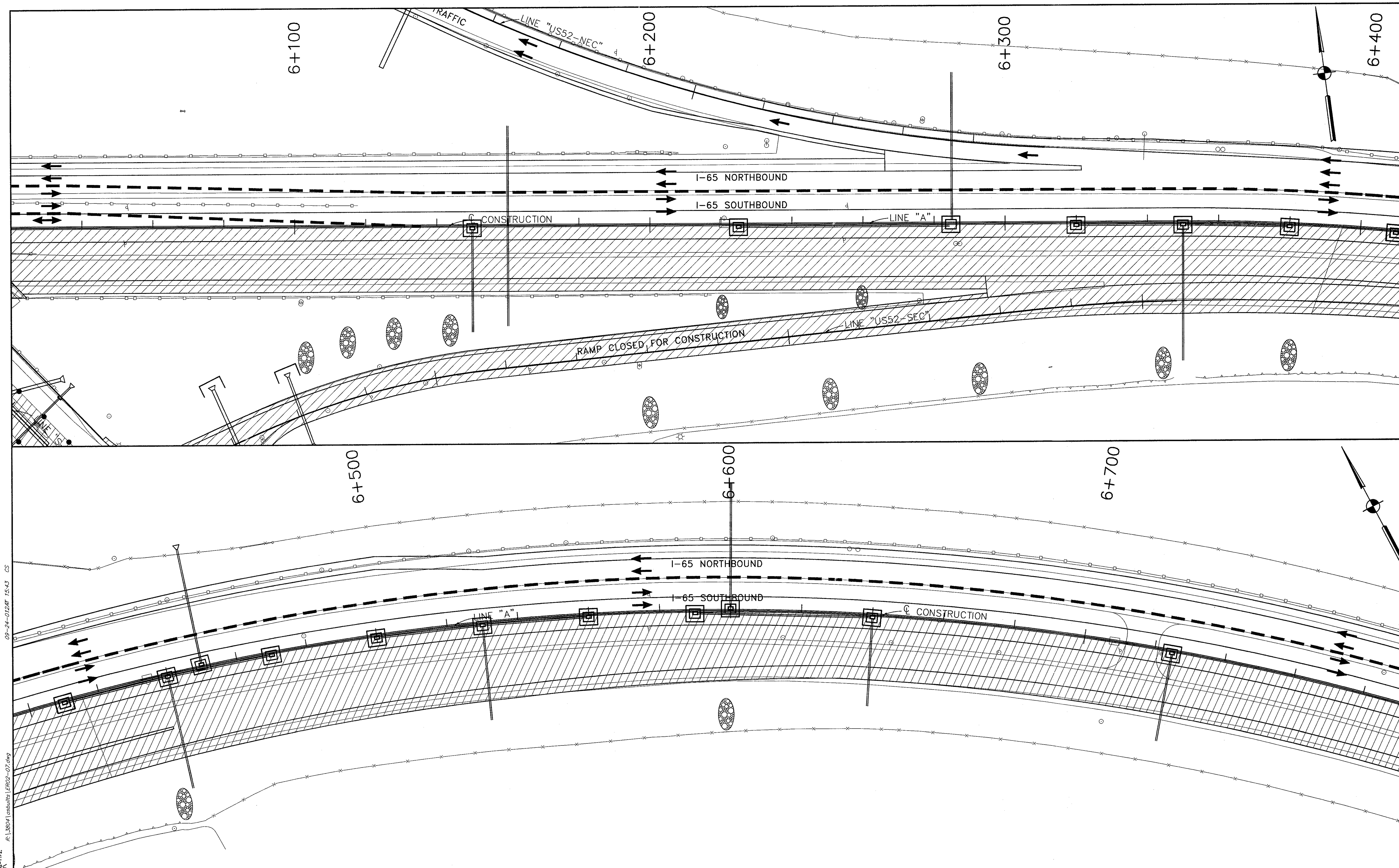
RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

DESIGNED:	DJI	DRAWN:	BEH
CHECKED:	MDO	CHECKED:	DJI

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE 2 LINE "A"

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:500	DESIGNATION 9614680
SURVEY BOOK	SHEETS 262 of 520
CONTRACT R-24327	PROJECT IM-65-3(281)118



LEGEND

Road Construction	Channelizing Devices
Temporary HMA Widening	Indicates Traffic Flow
Bridge Construction	Temporary Concrete Barrier
Riprap Ditch	Drop Inlet Protection
Riprap Ditch Check	Silt Fence
Culvert Protection	Sediment Trap
	Side Ditch Protection

STEPHEN F. WEINTRAUT
REGISTERED
No. 16222
STATE OF INDIANA
PROFESSIONAL ENGINEER

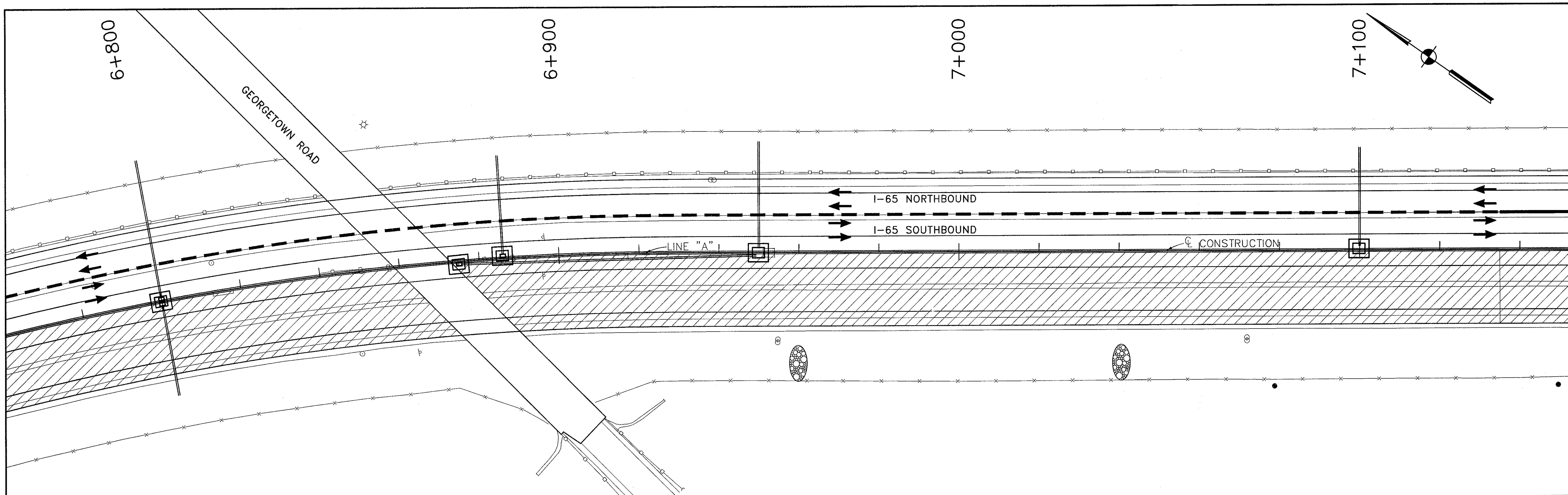
RECOMMENDED FOR APPROVAL: Stephen F. Weintraut 9/28/01
DESIGN ENGINEER DATE

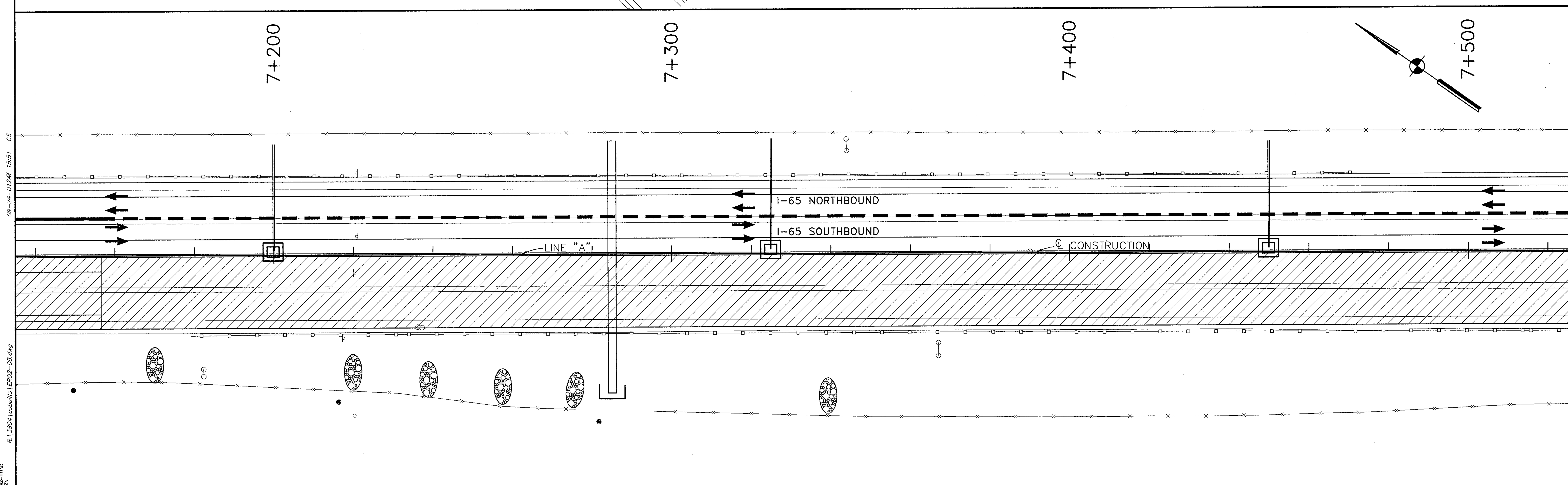
DESIGNED:	DJI	DRAWN:	BEH
CHECKED:	MDO	CHECKED:	DJI

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL PHASE 2 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:500	9614680
SURVEY BOOK	SHEETS
	263 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118





LEGEND

Road Construction	Channelizing Devices	Riprap Ditch
Temporary HMA Widening	Indicates Traffic Flow	Riprap Ditch Check
Bridge Construction	Temporary Concrete Barrier	Culvert Protection
Drop Inlet Protection	Silt Fence	Sediment Trap
Side Ditch Protection		

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

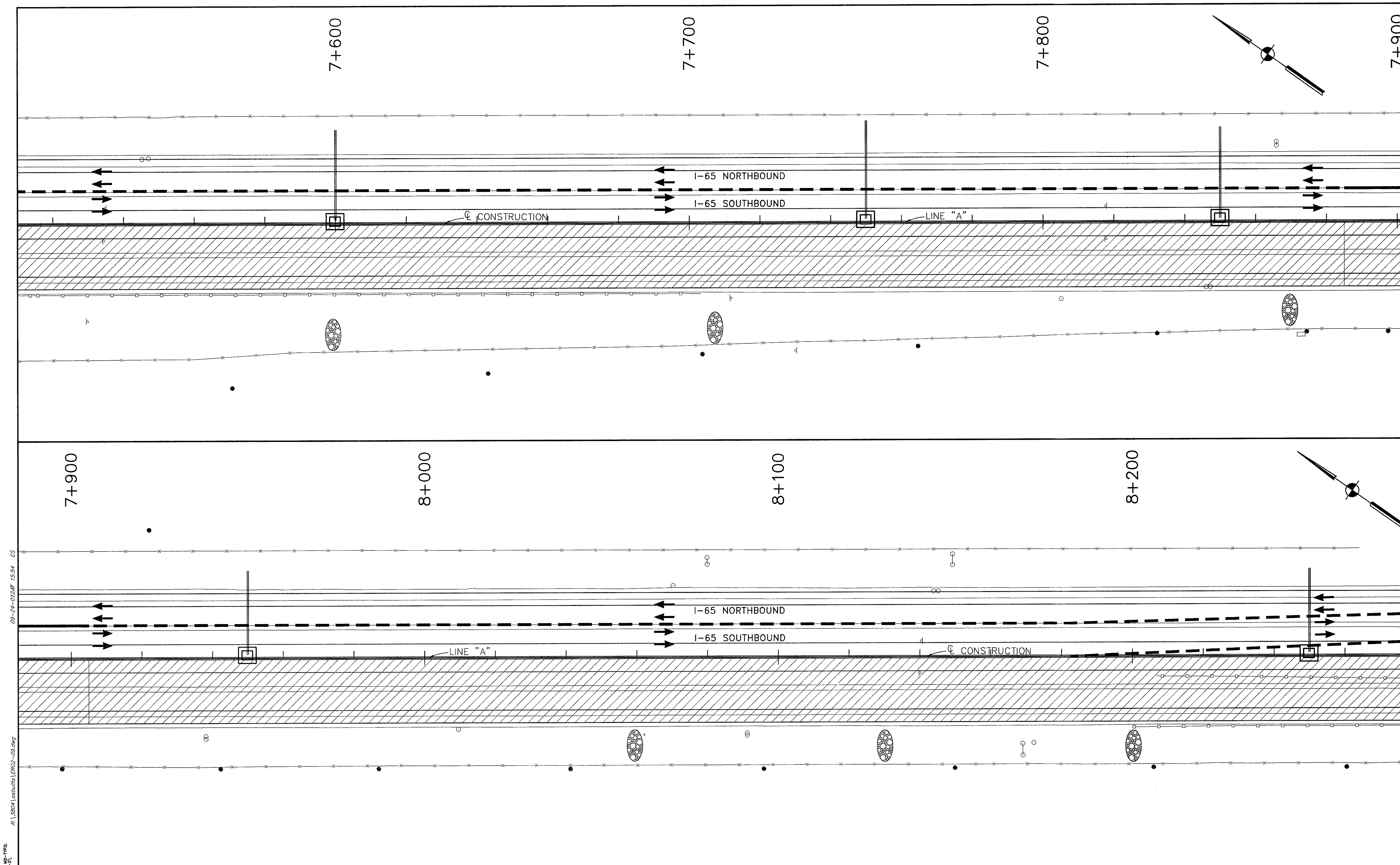
RECOMMENDED FOR APPROVAL 9/28/01
DESIGN ENGINEER DATE

DESIGNED: DJI DRAWN: BEH
CHECKED: MDO CHECKED: DJI

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL PHASE 2 LINE "A"

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:500	DESIGNATION 9614680
SURVEY BOOK	SHEETS 264 of 520
CONTRACT R-24327	PROJECT IM-65-3(281)118



LEGEND

- Road Construction
- Temporary HMA Widening
- Bridge Construction
- Channelizing Devices
- Indicates Traffic Flow
- Temporary Concrete Barrier
- Riprap Ditch
- Riprap Ditch Check
- Culvert Protection
- Drop Inlet Protection
- Silt Fence
- Sediment Trap
- Side Ditch Protection

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Stephen F. Weintraut 9/28/01
DESIGN ENGINEER DATE

DESIGNED: DJI DRAWN: BEH
CHECKED: MDO CHECKED: DJI

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL PHASE 2 LINE "A"

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:500	DESIGNATION 9614680
SURVEY BOOK	SHEETS 265 of 520
CONTRACT R-24327	PROJECT IM-65-3(281)118

LEGEND

▨ Road Construction	● Channelizing Devices	Riprap Ditch
▨ Temporary HMA Widening	→ Indicates Traffic Flow	Riprap Ditch Check
▦ Bridge Construction	— — Temporary Concrete Barrier	[Culvert Protection
▭ Drop Inlet Protection	—(SF)— Silt Fence	Sediment Trap
▭ Side Ditch Protection		

STEPHEN F. WEINTRAUT No. 16222

RECOMMENDED FOR APPROVAL	Stephen F. Weintraut 9/28/01
DESIGN ENGINEER	DATE
DESIGNED: DJI	DRAWN: MDS
CHECKED: MDO	CHECKED: DJI

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE 2 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:500	9614680
SURVEY BOOK	SHEETS
	266 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

09-24-01 15:55 CS

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FILE NAME : M2-22.dwg
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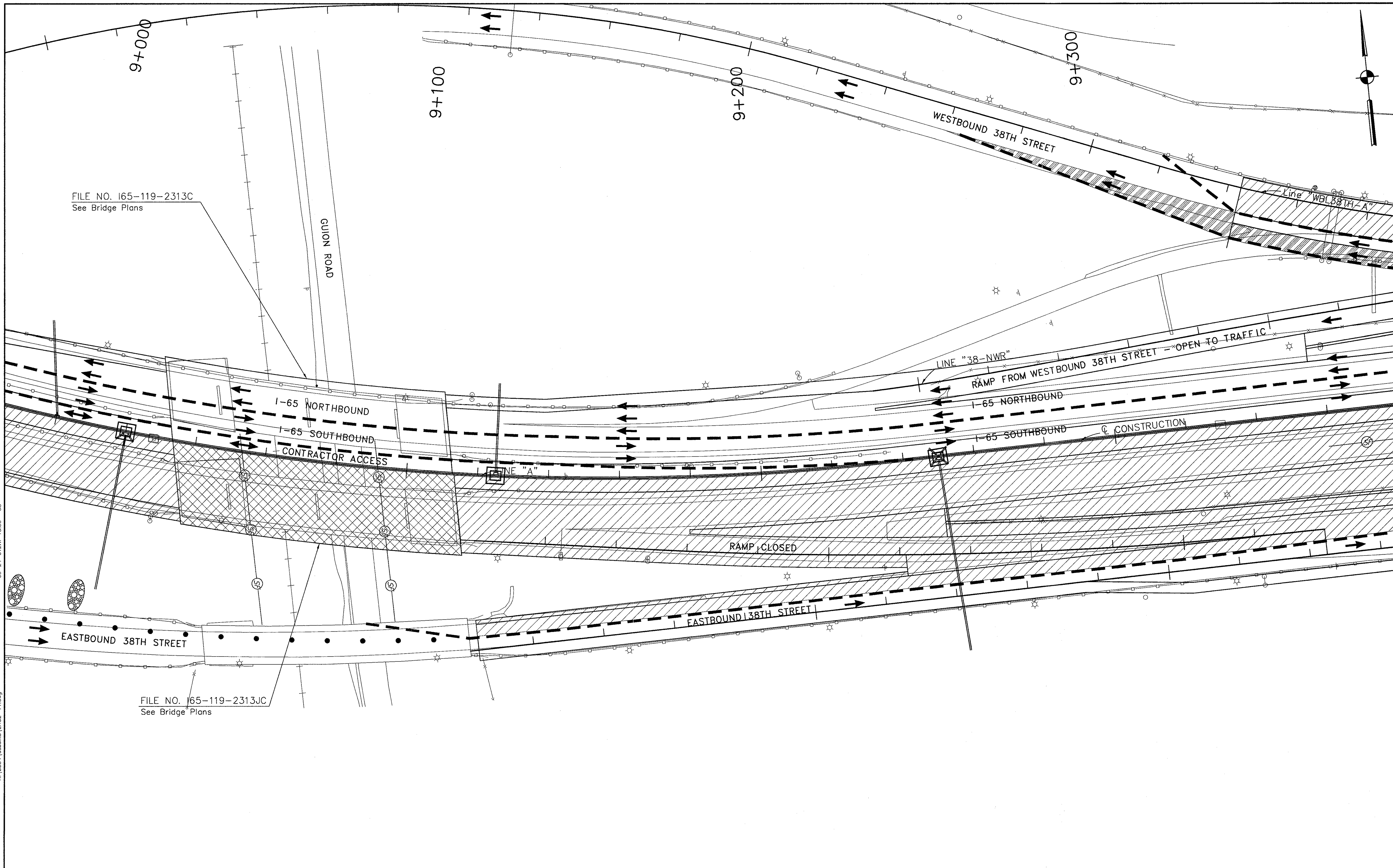
DIRECTORY PATH: R:\Roads\996510\Mot\Phase-2\
MRD\INT : 14-JAN-00, 11:48:44 / JRC



LEGEND

Road Construction		Channelizing Devices		Riprap Ditch		Drop Inlet Protection	
Temporary HMA Widening		Indicates Traffic Flow		Riprap Ditch Check		Silt Fence	
Bridge Construction		Temporary Concrete Barrier		Culvert Protection		Sediment Trap	
						Side Ditch Protection	

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

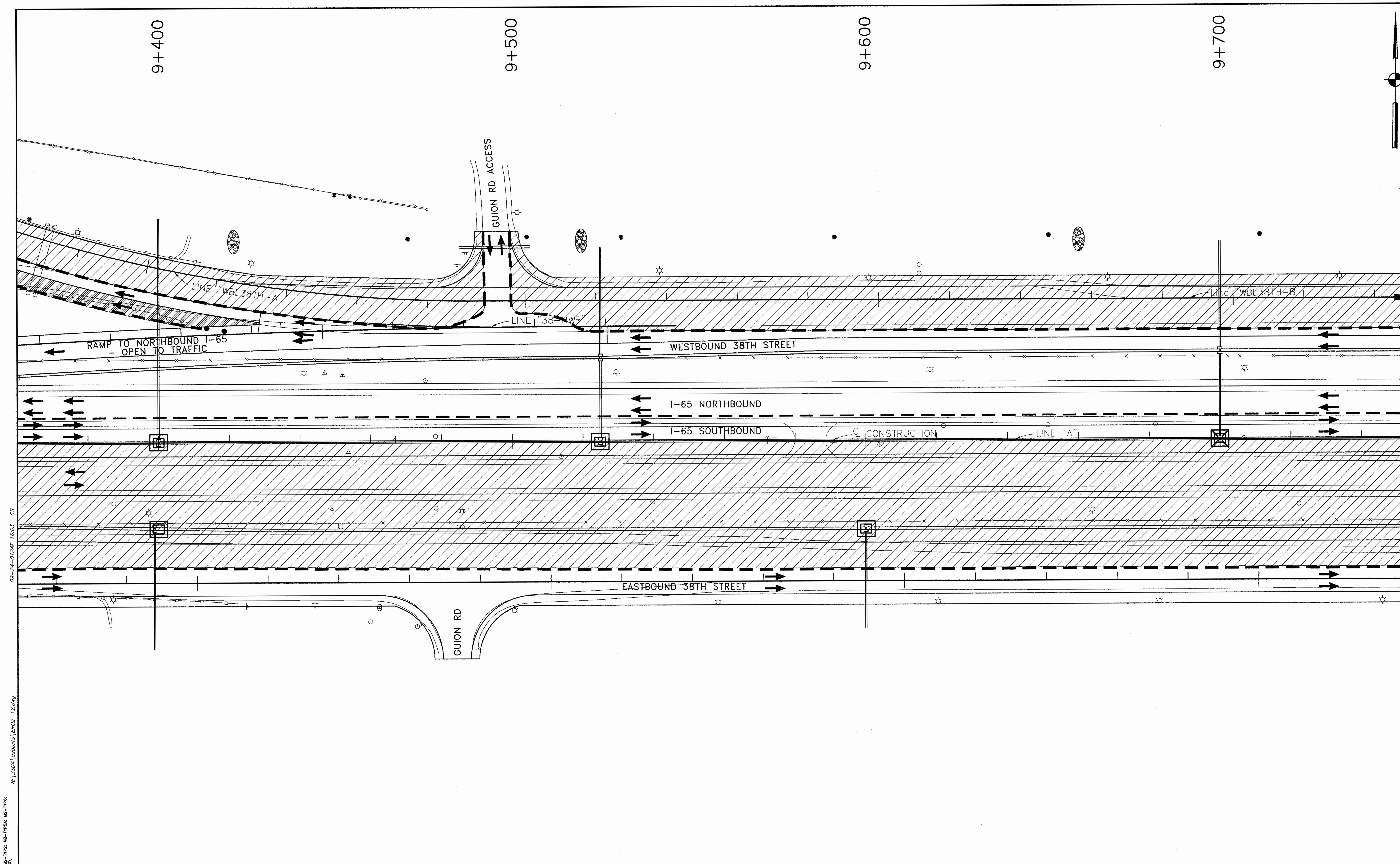
RECOMMENDED FOR APPROVAL Stephen F. Weintraut DESIGN ENGINEER 9/28/01 DATE

DESIGNED:	DJI	DRAWN:	MDS
CHECKED:	MDO	CHECKED:	DJI

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE 2 LINE "A"

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:500	DESIGNATION 9614680
SURVEY BOOK	SHEETS 267 of 520
CONTRACT R-24327	PROJECT IM-65-3(281)118



LEGEND

Road Construction	Channelizing Devices	Riprap Ditch
Temporary HMA Widening	Indicates Traffic Flow	Riprap Ditch Check
Bridge Construction	Temporary Concrete Barrier	Culvert Protection
Drop Inlet Protection	Silt Fence	Sediment Trap
Side Ditch Protection		

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

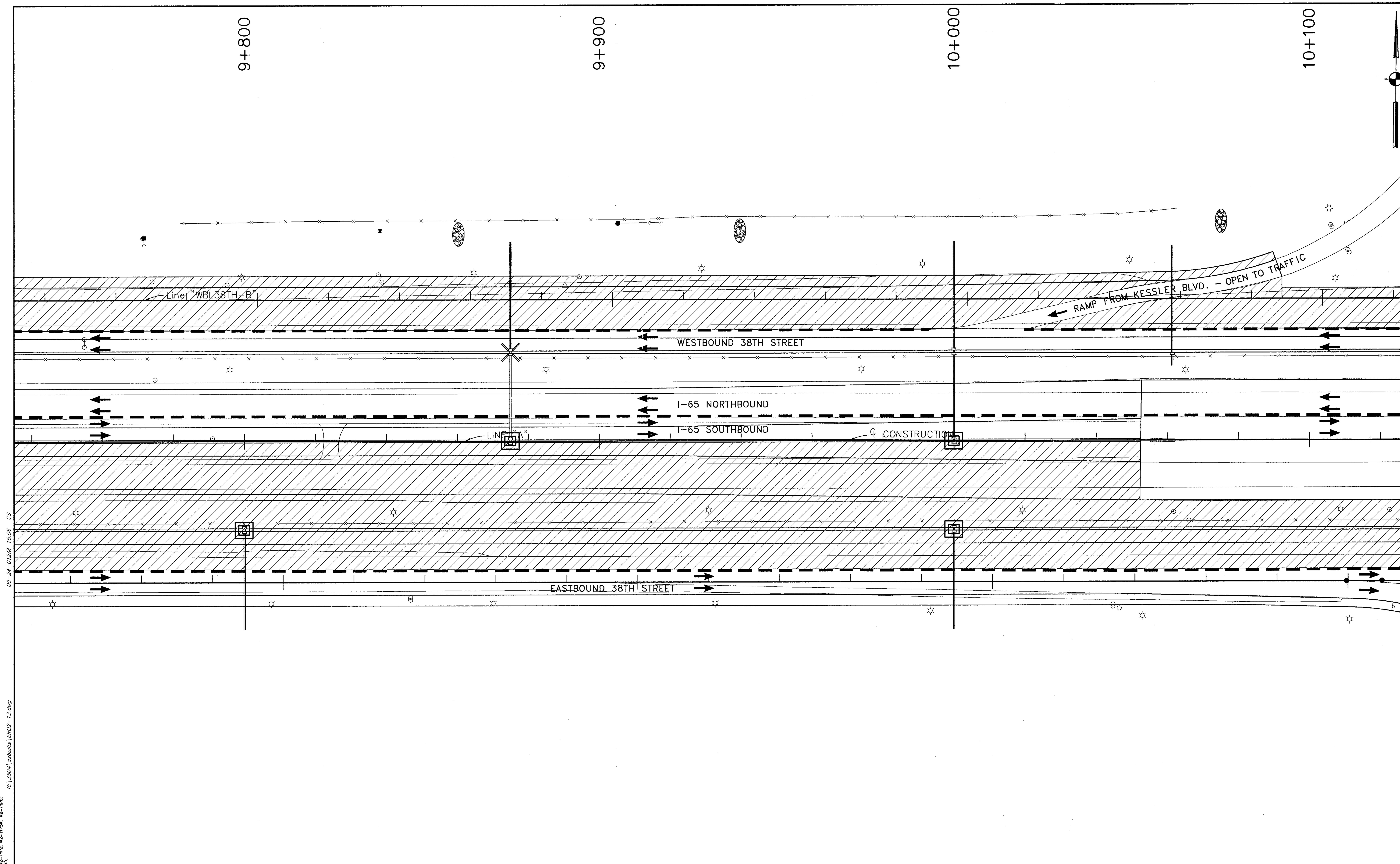
RECOMMENDED FOR APPROVAL: Stephen F. Weintraut, DESIGN ENGINEER — 9/28/01, DATE

DESIGNED: DJI	DRAWN: MDS
CHECKED: MDO	CHECKED: DJI

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE 2 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:500	9614680
SURVEY BOOK	SHEETS
	268 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



LEGEND

Road Construction	Channelizing Devices	Riprap Ditch
Temporary HMA Widening	Indicates Traffic Flow	Riprap Ditch Check
Bridge Construction	Temporary Concrete Barrier	Culvert Protection
Drop Inlet Protection	Silt Fence	Sediment Trap
Side Ditch Protection		

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

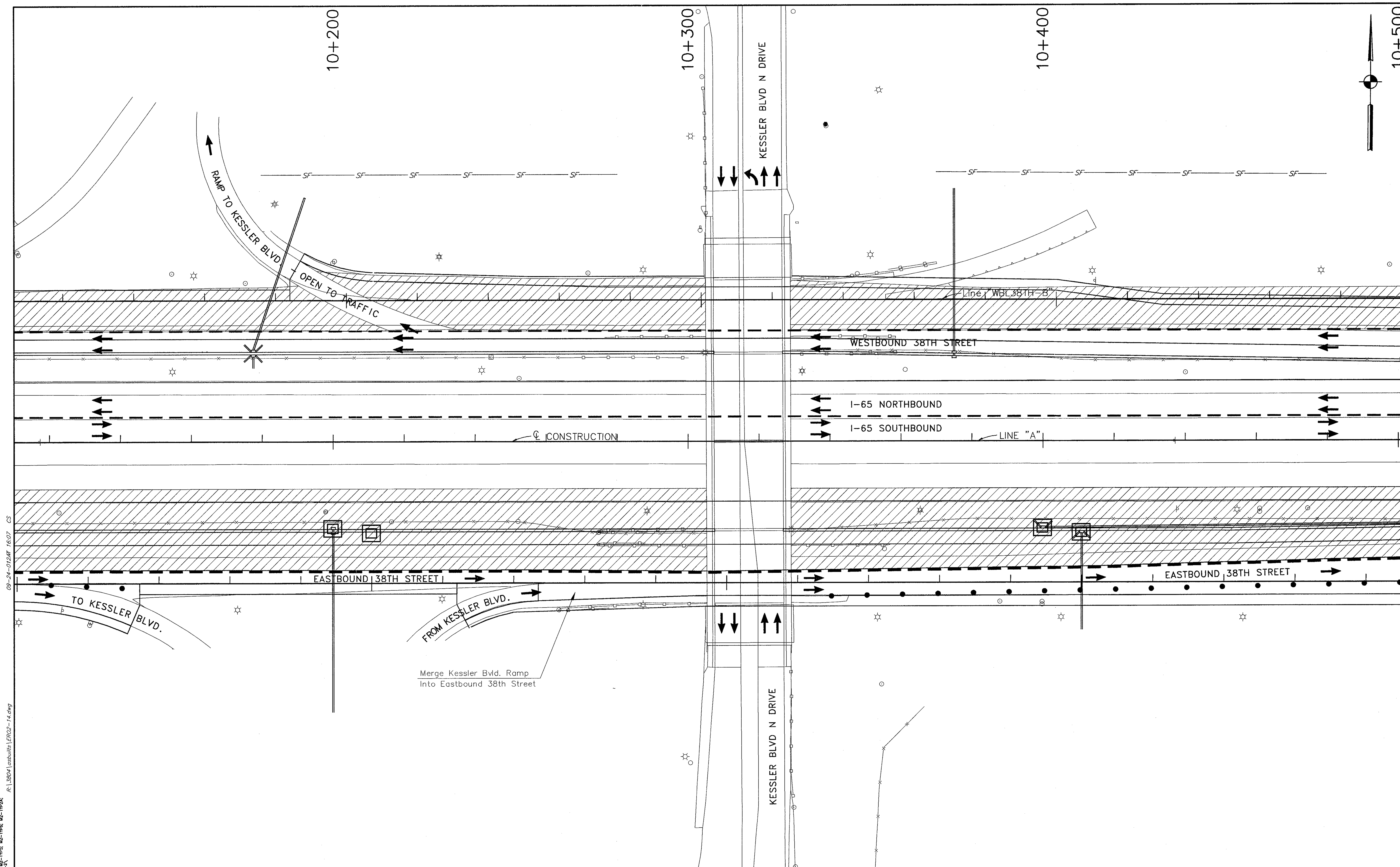
RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

DESIGNED: DJI	DRAWN: MDS
CHECKED: MDO	CHECKED: DJI

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE 2 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:500	9614680
SURVEY BOOK	SHEETS
	269 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118



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MRD\INT : 14-JAN-00, 11:54:31 JRC

R:\3804\asbuilts\ER02-14.dwg 09-24-01 2AT 16:07 CS

LEGEND

Road Construction	Drop Inlet Protection
Temporary HMA Widening	Silt Fence
Bridge Construction	Sediment Trap
Channelizing Devices	Side Ditch Protection
Indicates Traffic Flow	Riprap Ditch
Temporary Concrete Barrier	Riprap Ditch Check
Culvert Protection	

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Stephen F. Weintraut 9/28/01
DESIGN ENGINEER DATE

DESIGNED:	DJI	DRAWN:	BEH
CHECKED:	MDO	CHECKED:	DJI

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE 2 LINE "A"

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:500	DESIGNATION 9614680
SURVEY BOOK	SHEETS 270 of 520
CONTRACT R-24327	PROJECT IM-65-3(281)118

10+500

10+600

10+700

10+800

CROOKED CREEK

LINE "WBL 38TH-B"

WESTBOUND 38TH STREET

I-65 NORTHBOUND

I-65 SOUTHBOUND

℄ CONSTRUCTION

LINE "A"

RAMP FROM EASTBOUND 38TH STREET - OPEN TO TRAFFIC

LINE "SER"

EASTBOUND 38TH STREET

EASTBOUND 38TH STREET CLOSED FOR BRIDGE REPLACEMENT

LINE "EBL 38TH"

NOTE: SEE PHASE I FOR REQ'D. MEASURES "EBL-38TH"

LEGEND

- Road Construction
- Temporary HMA Widening
- Bridge Construction
- Channelizing Devices
- Indicates Traffic Flow
- Temporary Concrete Barrier
- Riprap Ditch
- Riprap Ditch Check
- Culvert Protection
- Drop Inlet Protection
- Silt Fence
- Sediment Trap
- Side Ditch Protection

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Stephen F. Weintraut 9/28/01
DESIGN ENGINEER DATE

DESIGNED: DJI	DRAWN: BEH
CHECKED: MDO	CHECKED: DJI

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL PHASE 2 LINE "A"

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:500	DESIGNATION 9614680
SURVEY BOOK	SHEETS 271 of 520
CONTRACT R-24327	PROJECT IM-65-3(281)118

09-24-01 12:41 16:09 CS

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FILE NAME: ERO2-15.dwg
USER NAME: LJC-ZBook
DESIGN REFERENCES: LJC-ZBook-NOTE; ES-LINE; M2-TYP8; M2-TYP24; M2-TYP24A; M2-TYP24B; M2-TYP24C; M2-TYP24D; M2-TYP24E; M2-TYP24F; M2-TYP24G; M2-TYP24H; M2-TYP24I; M2-TYP24J; M2-TYP24K; M2-TYP24L; M2-TYP24M; M2-TYP24N; M2-TYP24O; M2-TYP24P; M2-TYP24Q; M2-TYP24R; M2-TYP24S; M2-TYP24T; M2-TYP24U; M2-TYP24V; M2-TYP24W; M2-TYP24X; M2-TYP24Y; M2-TYP24Z; M2-TYP24AA; M2-TYP24AB; M2-TYP24AC; M2-TYP24AD; M2-TYP24AE; M2-TYP24AF; M2-TYP24AG; M2-TYP24AH; M2-TYP24AI; M2-TYP24AJ; M2-TYP24AK; M2-TYP24AL; M2-TYP24AM; M2-TYP24AN; M2-TYP24AO; M2-TYP24AP; M2-TYP24AQ; M2-TYP24AR; M2-TYP24AS; M2-TYP24AT; M2-TYP24AU; M2-TYP24AV; M2-TYP24AW; M2-TYP24AX; M2-TYP24AY; M2-TYP24AZ; M2-TYP24BA; M2-TYP24BB; M2-TYP24BC; M2-TYP24BD; M2-TYP24BE; M2-TYP24BF; M2-TYP24BG; M2-TYP24BH; M2-TYP24BI; M2-TYP24BJ; M2-TYP24BK; M2-TYP24BL; M2-TYP24BM; M2-TYP24BN; M2-TYP24BO; M2-TYP24BP; M2-TYP24BQ; M2-TYP24BR; M2-TYP24BS; M2-TYP24BT; M2-TYP24BU; M2-TYP24BV; M2-TYP24BW; M2-TYP24BX; M2-TYP24BY; M2-TYP24BZ; M2-TYP24CA; M2-TYP24CB; M2-TYP24CC; 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10+900

11+000

11+100

11+200

FILE NO. MARION B-17-09FC
See Bridge Plans

LINE "WBL38TH-B"

WESTBOUND 38TH STREET

LINE "38-NER"

WESTBOUND 38TH STREET EXIT RAMP - OPEN TO TRAFFIC

FILE NO. I65-118-4838C
See Bridge Plans

I-65 NORTHBOUND

I-65 SOUTHBOUND

LINE "A"

RAMP FROM EASTBOUND 38TH STREET - OPEN TO TRAFFIC

℄ CONSTRUCTION

I-65 NORTHBOUND

I-65 SOUTHBOUND

RAMP FROM EASTBOUND 38TH STREET

NOTE: SEE PHASE 1 FOR REQ'D. MEASURES "EBL38TH"

CROOKED CREEK

FILE NO. I65-118-4838JD
See Bridge Plans

LINE "EBL38TH"

EASTBOUND 38TH STREET CLOSED

FILE NO. I65-118-8315
See Bridge Plans

FILE NO. MARION B-17-08FB
See Bridge Plans

09-24-01 16:11

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FILE NAME : MD-ERO2-16.dwg
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LEGEND

- Road Construction
- Temporary HMA Widening
- Bridge Construction
- Channelizing Devices
- Indicates Traffic Flow
- Temporary Concrete Barrier
- Riprap Ditch
- Riprap Ditch Check
- Culvert Protection
- Drop Inlet Protection
- Silt Fence
- Sediment Trap
- Side Ditch Protection

STEPHEN F. WEINRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ 9/28/01
DESIGN ENGINEER DATE

DESIGNED: DJI DRAWN: BEH
CHECKED: MDO CHECKED: DJI

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE 2 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:500	9614680
SURVEY BOOK	SHEETS
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CONTRACT	PROJECT
R-24327	IM-65-3(281)118

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XREFERENCES : M2-LEG; M2-NOTE; ES-LINE;
DIRECTORY PATH: R:\Roads\996510\Mot\Phase-2\
MRD\INT : 14-JAN-00, 11:56:20 / JRC

LEGEND

▨	Road Construction	●	Channelizing Devices	▩	Riprap Ditch	▭	Drop Inlet Protection
▨	Temporary HMA Widening	→	Indicates Traffic Flow	⬭	Riprap Ditch Check	—(SF)—	Silt Fence
▩	Bridge Construction	— —	Temporary Concrete Barrier	[	Culvert Protection	D	Sediment Trap
						▭	Side Ditch Protection

STEPHEN F. WEINTRAUT
REGISTERED No. 16222
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Stephen F. Weintraut 9/28/01
DESIGN ENGINEER DATE

DESIGNED: DJI
DRAWN: BEH
CHECKED: MDO
CHECKED: DJI

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE 2 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
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VERTICAL SCALE	DESIGNATION
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SURVEY BOOK	SHEETS
	273 of 520
CONTRACT	PROJECT
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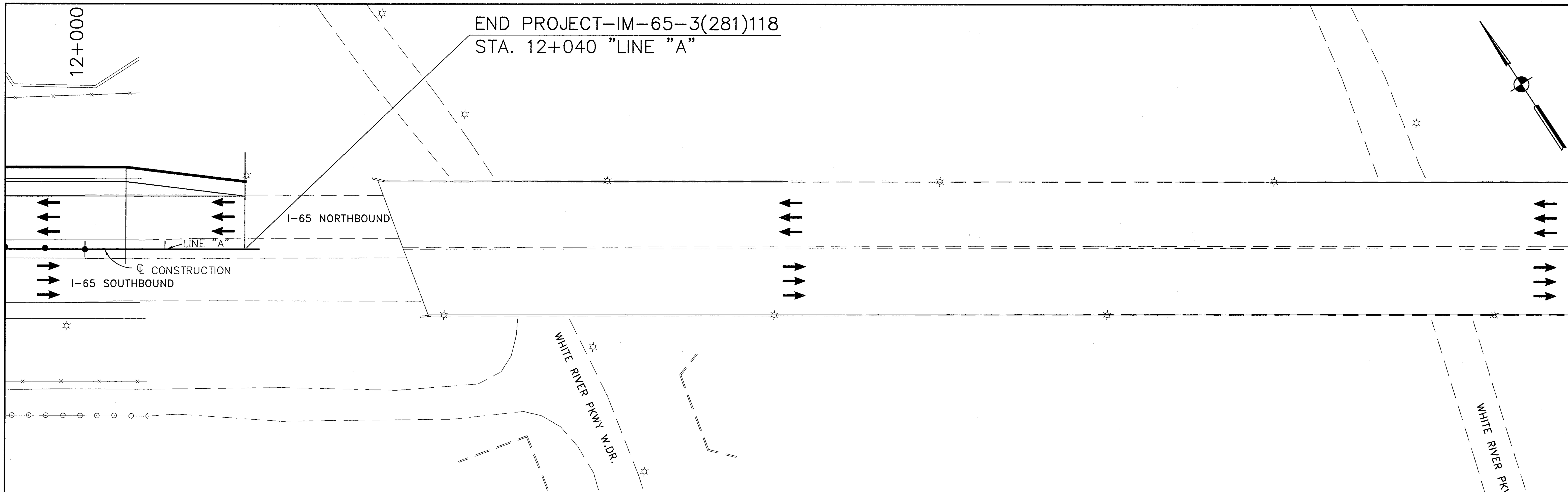

LEGEND

Road Construction	Channelizing Devices	Riprap Ditch	Drop Inlet Protection
Temporary HMA Widening	Indicates Traffic Flow	Riprap Ditch Check	Silt Fence
Bridge Construction	Temporary Concrete Barrier	Culvert Protection	Sediment Trap
			Side Ditch Protection

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

DESIGNED: DJI DRAWN: BEH
CHECKED: MDO CHECKED: DJI

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE 2 LINE "A"

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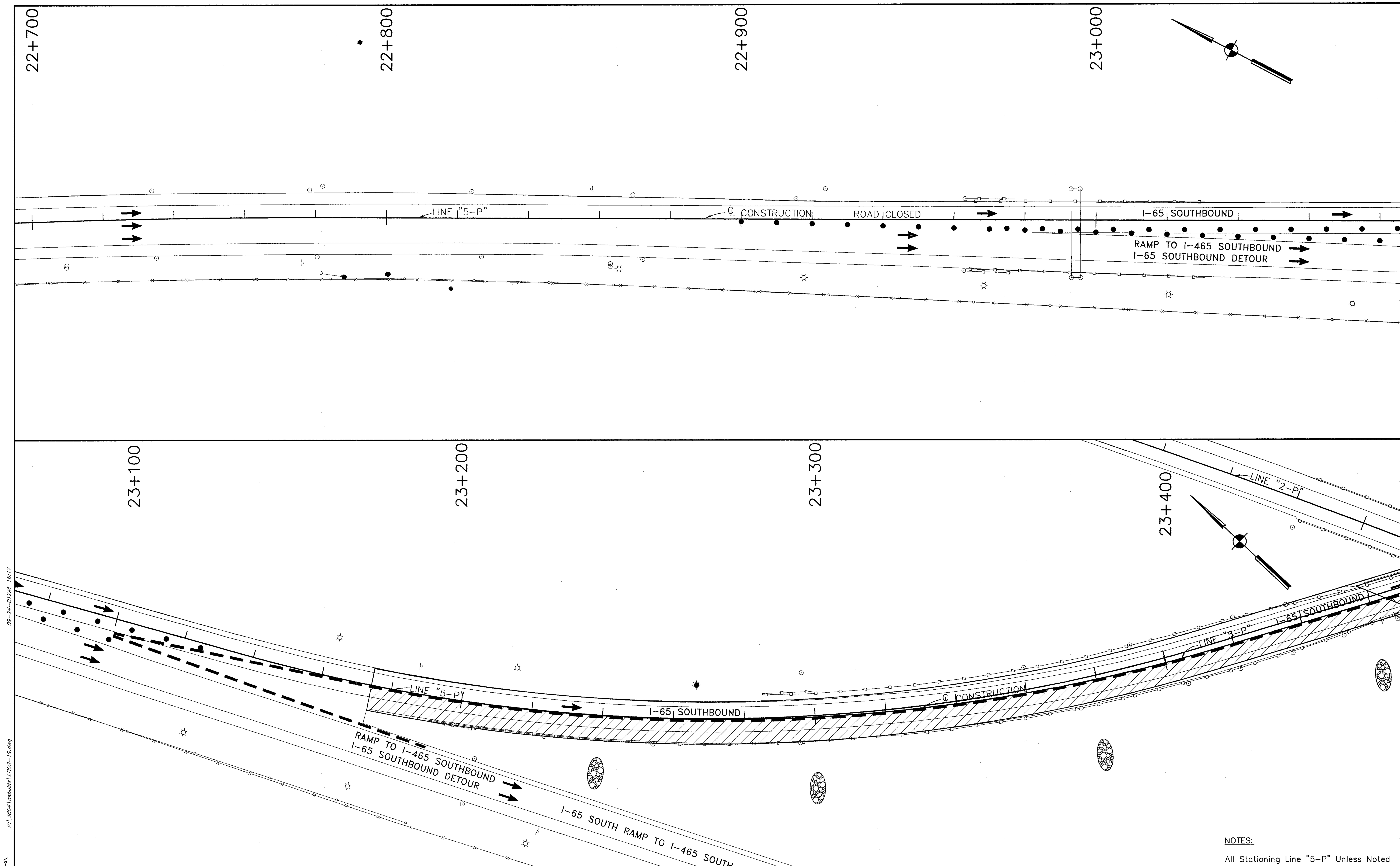

NOTES:

All Stationing Line "5-P" Unless Noted

LEGEND

Road Construction	Channelizing Devices	Riprap Ditch
Temporary HMA Widening	Indicates Traffic Flow	Riprap Ditch Check
Bridge Construction	Temporary Concrete Barrier	Culvert Protection

Drop Inlet Protection
Silt Fence
Sediment Trap
Side Ditch Protection

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INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE 2 LINE "5-P"

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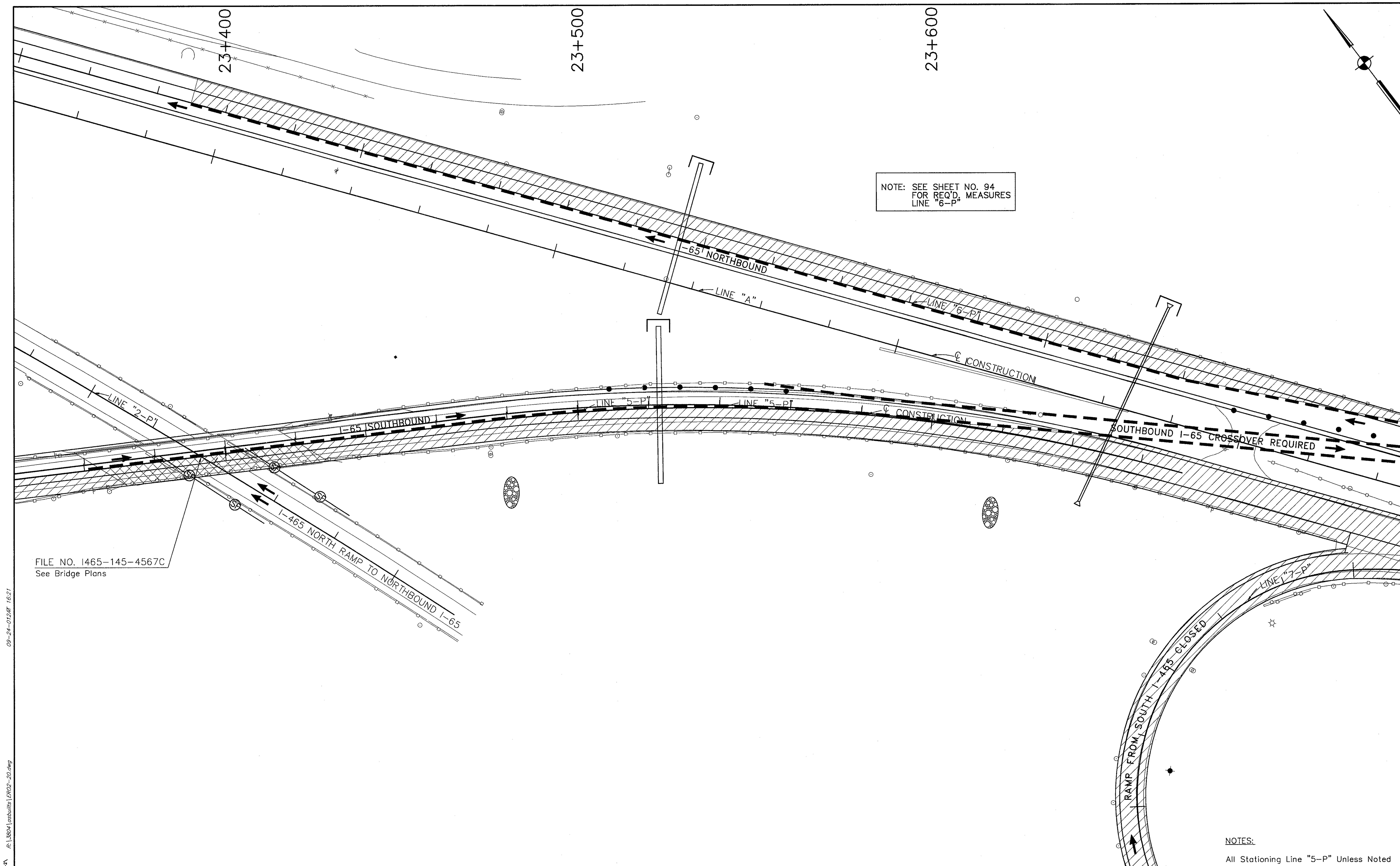

LEGEND

Road Construction	Channelizing Devices	Riprap Ditch
Temporary HMA Widening	Indicates Traffic Flow	Riprap Ditch Check
Bridge Construction	Temporary Concrete Barrier	Culvert Protection
Drop Inlet Protection	Silt Fence	Sediment Trap
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INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
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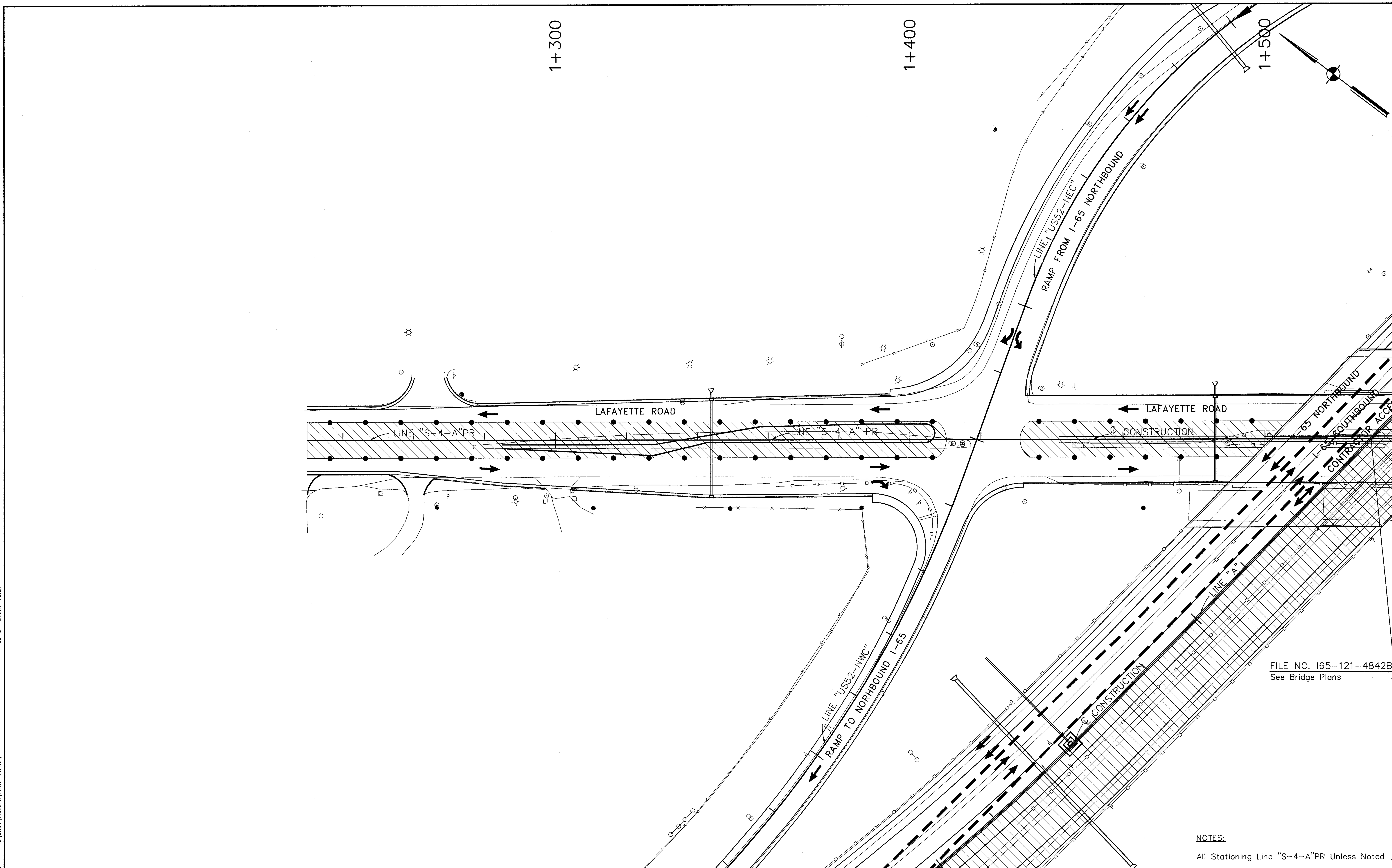


NOTES:

All Stationing Line "S-4-A"PR Unless Noted

LEGEND

Road Construction	Channelizing Devices
Temporary HMA Widening	Indicates Traffic Flow
Bridge Construction	Temporary Concrete Barrier
Riprap Ditch	Drop Inlet Protection
Riprap Ditch Check	Silt Fence
Culvert Protection	Sediment Trap
	Side Ditch Protection

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

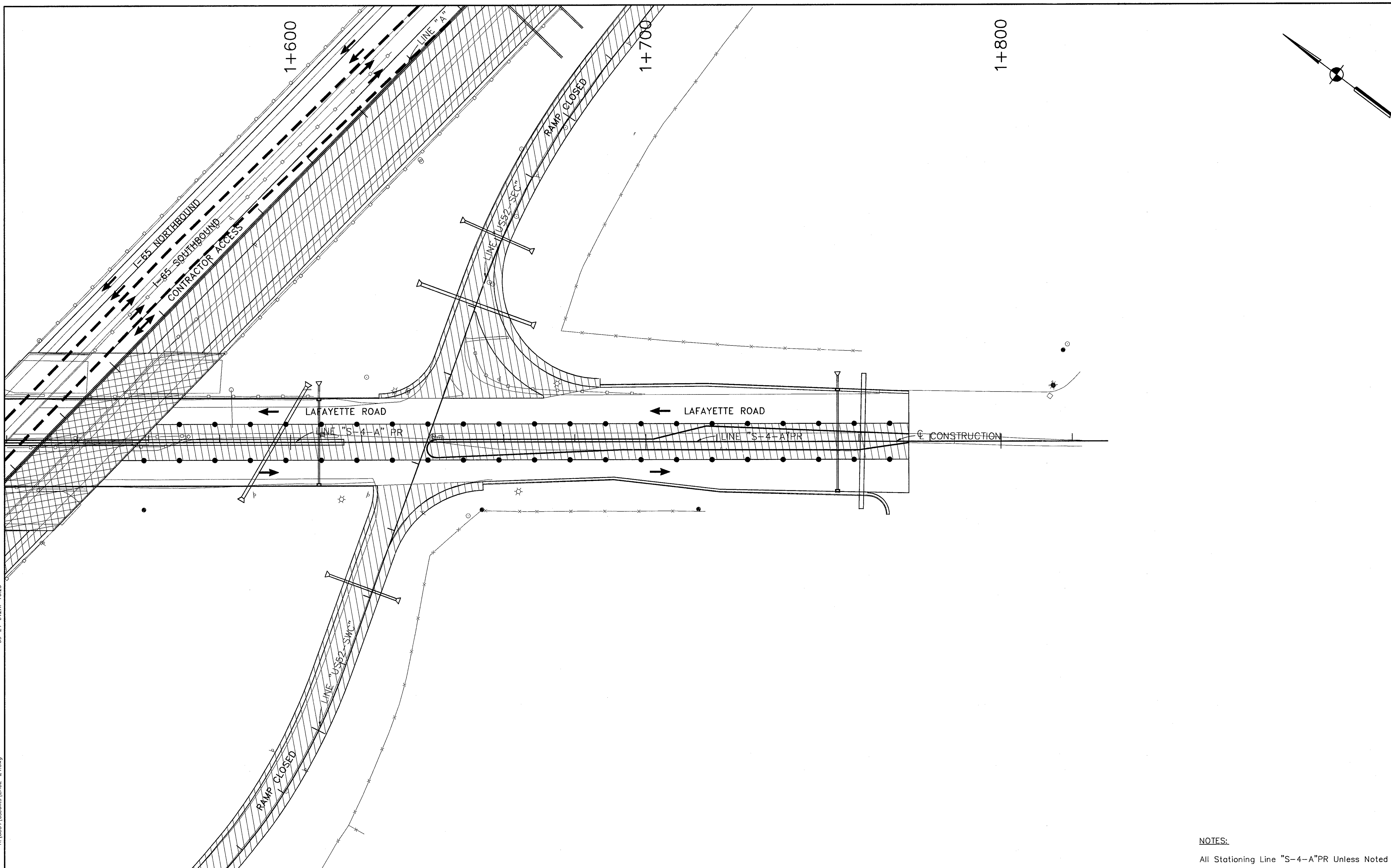
DESIGNED:	DJI	DRAWN:	BEH
CHECKED:	MDO	CHECKED:	DJI

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE 2 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:500	9614680
SURVEY BOOK	SHEETS
	274C of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

09-24-012AY 16:27
R:\3804\asbuilts\ER02-23.dwg



NOTES:

All Stationing Line "S-4-A"PR Unless Noted

LEGEND

Road Construction	Channelizing Devices	Riprap Ditch
Temporary HMA Widening	Indicates Traffic Flow	Riprap Ditch Check
Bridge Construction	Temporary Concrete Barrier	Culvert Protection
Drop Inlet Protection	Silt Fence	Sediment Trap
Side Ditch Protection		

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Stephen F. Weintraut 9/28/01
DESIGN ENGINEER DATE

DESIGNED: DJI	DRAWN: BEH
CHECKED: MDO	CHECKED: DJI

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE 2 LINE "A"

HORIZONTAL SCALE 1:500	BRIDGE FILE
VERTICAL SCALE 1:500	DESIGNATION 9614680
SURVEY BOOK	SHEETS 274D of 520
CONTRACT R-24327	PROJECT IM-65-3(281)118

R:\3804\cadfiles\ER02-24.dwg 09-24-01 16:29

TEMPORARY EROSION CONTROL TABLE

FROM STATION	TO STATION	LOCATION LEFT	LOCATION MEDIAN	LOCATION RIGHT	PERIMETER PROTECTION (m)	DRAINAGE BARRIER AT SWALE (m)	INTERCEPTOR DITCH (m)	SLOPE DRAIN (m)	STRAW BALE DITCH CHECK (m)	RIPRAP DITCH CHECK (m)	CULVERT PIPE PROTECTION (EA.)	SEDIMENT TRAP (m^3)	SEDIMENT BASIN (m^3)	DROP INLET PROTECTION (EA.)	CURB INLET PROTECTION (EA.)	REMARKS
LINE "6-P" NB																
23+160				✓		8.85										
23+250				✓		8.85										
23+325				✓		8.85										
23+420						8.85										
23+540				✓						6.30						
23+605				✓						6.30						
23+620				✓						10.10						
23+650				✓						5.10						
23+665				✓						5.10						
23+675				✓						5.10						
23+700				✓						5.10						
23+720				✓						8.50						
23+727		✓									1					
LINE "A" NB				✓												
2+600	2+708	✓	✓		150											
2+743	2+810	✓	✓		113											
2+680			✓							8.85						
2+825		✓								5.45						
3+250		✓								8.85						
3+480		✓								6.30						
3+580		✓								8.85						
3+680		✓								6.30						
3+900		✓								6.30						
4+070		✓								6.30						
4+145		✓								6.30						
4+153	4+171	✓	✓		56											
4+200	4+240	✓			86											
4+295		✓								6.30						
4+400		✓								6.30						
4+475		✓								6.30						
4+550		✓								6.30						
4+755		✓								6.30						
4+860		✓								6.30						
4+905		✓								6.30						
4+970		✓								6.30						
5+030		✓								6.30						
5+350		✓								6.30						
5+375		✓								6.30						
5+385		✓									1					
5+465		✓								6.30						
5+500		✓								6.30						
5+620		✓								6.30						
5+745		✓								6.30						
5+752		✓									1					
5+775		✓								6.30						
5+795		✓								6.30						
5+815		✓								6.30						
5+839		✓									1					
6+160		✓									1					
6+260	8+349	✓	✓		2113											
8+425		✓								7.15						
8+383		✓										51				
8+565		✓								8.85						
8+605		✓								5.10						
8+605	8+817	✓	✓		308											
8+853	9+020	✓			209											
9+053		✓	✓		60											
9+094		✓	✓		60											
9+145		✓				8.85										
9+165		✓				8.85										
9+190		✓				8.85										
9+215		✓				8.85										
9+245		✓				8.85										
9+265		✓				8.85										
9+280		✓								8.85						
9+295		✓								8.85						
9+330		✓								8.85						
9+360	9+470			✓	110											
9+495	9+550			✓	55											
9+590				✓						6.30						
9+640	9+730	✓			90											
10+883		✓	✓	✓	95											
10+899		✓	✓	✓	135											
11+062		✓									1					
11+095		✓								7.65						
11+125		✓								7.65						

TEMPORARY EROSION CONTROL TABLE

FROM STATION	TO STATION	LOCATION LEFT	LOCATION MEDIAN	LOCATION RIGHT	PERIMETER PROTECTION (m)	DRAINAGE BARRIER AT SWALE (m)	INTERCEPTOR DITCH (m)	SLOPE DRAIN (m)	STRAW BALE DITCH CHECK (m)	RIPRAP DITCH CHECK (m)	CULVERT PIPE PROTECTION (EA.)	SEDIMENT TRAP (m^3)	SEDIMENT BASIN (m^3)	DROP INLET PROTECTION (EA.)	CURB INLET PROTECTION (EA.)	REMARKS
LINE "A"																
11+440		✓								6.80						
11+480		✓								6.80						
11+650		✓								6.90						
11+880		✓								6.80						
3+000			✓											1		
3+170			✓											1		
3+250			✓											1		
3+335			✓											1		
3+435			✓											1		
3+535			✓											1		
3+635			✓											1		
3+680.110			✓											1		
3+723			✓											1		
3+810			✓											1		
4+500			✓											1		
4+600			✓											1		
4+700			✓											1		
4+800			✓											1		
4+950			✓											1		
5+080			✓											1		
5+121.101			✓											1		
5+168			✓											1		
5+350			✓											1		
5+438			✓											1		
5+447			✓											1		
5+481.934			✓											1		
5+515			✓											1		
5+525			✓											1		
5+550			✓											1		
5+600			✓											1		
5+650			✓											1		
5+700			✓											1		
5+750			✓											1		
5+850			✓											1		
6+150			✓											1		
6+225			✓											1		
6+285			✓											1		
6+320			✓											1		
6+350			✓											1		
6+380			✓											1		
6+410			✓											1		
6+440			✓											1		
6+450			✓											1		
6+470			✓											1		
6+500			✓											1		
6+530			✓											1		
6+560			✓											1		
6+590			✓											1		
6+600			✓											1		
6+640			✓											1		
6+725			✓											1		
6+800			✓											1		
6+875			✓											1		
6+886			✓											1		
6+950			✓											1		
7+100			✓											1		
7+200			✓											1		
7+325			✓											1		
7+450			✓											1		
7+600			✓											1		
7+750			✓											1		
7+850			✓											1		
7+950			✓											1		
8+250			✓											1		
8+410			✓											1		
8+475			✓											1		
8+565			✓											1		
8+675			✓											1		
8+775			✓											1		
9+020			✓											1		
9+125			✓											1		
9+250			✓											1		
9+400			✓											1		
9+525			✓											1		
9+700			✓											1		
9+875			✓											1		
10+000			✓											1		

STEPHEN F. WEINTRAUT · REGISTERED · No. 16222 · STATE OF INDIANA · PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL: Stephen F. Weintraut (DESIGN ENGINEER) — 9/28/01 (DATE)

DESIGNED: DJI — DRAWN: MDS

CHECKED: MDO — CHECKED: DJI

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL TABLE – PHASE 1

HORIZONTAL SCALE	FILE
NONE	3804
VERTICAL SCALE	DESIGNATION
NONE	9614680
SURVEY BOOK	SHEET 275 OF 520
CONTRACT R-24237	PROJECT IM-65-3(281)118

FHS NO. 3804.07

R:\3804\AUTOCAD\ROAD\ARMSTRONG\EROSION\PHASE5-10\EPHT_B65\EROWSDET.DWG

TEMPORARY EROSION CONTROL TABLE

FROM STATION	TO STATION	LOCATION LEFT	LOCATION MEDIAN	LOCATION RIGHT	PERIMETER PROTECTION	DRAINAGE BARRIER AT SWALE	INTERCEPTOR DITCH	SLOPE DRAIN	STRAW BALE DITCH CHECK	RIPRAP DITCH CHECK	CULVERT PIPE PROTECTION	SEDIMENT TRAP	SEDIMENT BASIN	DROP INLET PROTECTION	CURB INLET PROTECTION	REMARKS
					m	m	m	m	m	m	EA.	m^3	m^3	EA.	EA.	
LINE "A"																
10+050				✓						6.30				1		
10+061		✓														
10+120				✓						6.30						
10+160	10+225			✓	65									1		
10+177		✓														
10+240	10+300			✓	60									1		
10+375		✓														
10+520				✓						6.30				1		
10+549		✓														
10+625				✓		6.30								1		
10+703		✓												1		
10+825		✓														
10+970				✓						6.30						
11+000				✓						6.30						
11+020				✓						6.30						
11+030				✓						6.30				1		
11+658		✓												1		
11+729		✓												1		
11+810		✓												1		
11+827		✓														
LINE "WBL38TH"																
6+321				✓										1		
6+496				✓										1		
6+671				✓										1		
6+796				✓										1		
6+960				✓										1		
7+150				✓										1		
7+375				✓										1		
7+600				✓										1		
LINE "38-NER"																
0+300		✓												1		
LINE "7-P"																
19+960	20+195	✓			235											
20+020				✓							1					
20+030				✓							1					
LINE "US52-SWC"																
0+275				✓						8.85						
0+440				✓						6.30						
0+442		✓									1					
LINE "US52-NEC"																
0+060				✓						6.30						
0+100				✓						6.30						
0+155				✓						6.30						
0+160				✓						6.30						
0+183		✓									1					
0+190				✓						6.30						
0+205				✓						6.30						
0+210				✓						6.30						
0+225				✓						6.30						
0+250				✓						6.30						
0+305				✓						6.30						
0+310		✓									1					
LINE "EBL38TH"																
7+750				✓		6.30										
7+760		✓										120				
7+772				✓								235				
7+855		✓										173				
7+860				✓								143				

TEMPORARY EROSION CONTROL TABLE

FROM STATION	TO STATION	LOCATION LEFT	LOCATION MEDIAN	LOCATION RIGHT	PERIMETER PROTECTION	DRAINAGE BARRIER AT SWALE	INTERCEPTOR DITCH	SLOPE DRAIN	STRAW BALE DITCH CHECK	RIPRAP DITCH CHECK	CULVERT PIPE PROTECTION	SEDIMENT TRAP	SEDIMENT BASIN	DROP INLET PROTECTION	CURB INLET PROTECTION	REMARKS
					m	m	m	m	m	m	EA.	m^3	m^3	EA.	EA.	
LINE "US52-SEC"																
0+041		✓									1					
0+061		✓									1					
0+160				✓						6.30						
0+210				✓						6.30						
0+250				✓						6.30						
0+310				✓						6.30						
LINE "PR" (COLD SPRINGS RD.)																
1+390				✓						8.5						
1+445				✓							1					
1+410		✓								8.5						
LINE "S-4-A" (LAFAYETTE RD.)																
1+320	1+380	✓			60											
1+596				✓							1					
1+600	1+620	✓			20											
1+700	1+760	✓			60											
LINE "PR5-P"																
123+300		✓								6.30						
123+478		✓			30											
123+480		✓								6.30						
123+504		✓	✓		30											
123+360		✓								6.30						
123+420		✓								6.30						
123+520		✓								6.30						
123+623		✓									1					

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Stephen F. Weintraut 9/28/01
DESIGN ENGINEER DATE

DESIGNED: DJI DRAWN: MDS
CHECKED: MDO CHECKED: DJI

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL TABLE - PHASE 1

HORIZONTAL SCALE	FILE
NONE	3804
VERTICAL SCALE	DESIGNATION
NONE	9614680
SURVEY BOOK	SHEET 276 OF 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

DPS NO. 3804.07

TEMPORARY EROSION CONTROL TABLE

FROM STATION	TO STATION	LOCATION LEFT	LOCATION MEDIAN	LOCATION RIGHT	PERIMETER PROTECTION (m)	DRAINAGE BARRIER AT SWALE (m)	INTERCEPTOR DITCH (m)	SLOPE DRAIN (m)	STRAW BALE DITCH CHECK (m)	RIPRAP DITCH CHECK (m)	CULVERT PIPE PROTECTION (EA.)	SEDIMENT TRAP (m^3)	SEDIMENT BASIN (m^3)	DROP INLET PROTECTION (EA.)	CURB INLET PROTECTION (EA.)	REMARKS
LINE "6-P" SB																
23+180		✓				8.85										
23+320		✓				8.85										
23+520		✓				8.85										
23+580		✓				6.30										
23+593		✓									1					
23+728		✓									1					
LINE "A" SB																
2+706				✓	50											
2+750				✓	50											
2+840				✓						4.60						
2+870				✓						4.60						
2+930				✓						4.60						
3+040		✓								8.85						
3+100		✓								8.85						
3+205				✓						4.60						
3+119				✓							1					
3+220		✓								6.30						
3+400				✓						6.30						
3+500				✓						6.30						
3+820				✓						6.30						
3+855				✓							1					
4+040				✓						6.30						
4+070				✓						6.30						
4+120				✓						6.30						
4+157				✓	65											
4+185				✓	77											
4+245				✓						6.30						
4+360				✓						6.30						
4+400				✓						6.30						
4+430				✓						6.30						
4+480				✓						6.30						
4+580				✓						6.30						
4+645				✓						6.30						
4+770				✓						6.30						
4+940				✓						6.30						
5+140				✓						6.30						
5+255				✓						6.30						
5+320				✓						6.30						
5+360				✓						6.30						
5+400				✓							1					
5+620				✓						8.00						
5+720		✓								6.30						
5+728		✓								6.30						
5+732		✓								6.30						
5+746		✓								6.30						
5+758		✓								6.30						
5+771		✓								6.30						
5+790		✓								6.30						
5+805				✓						6.30						
5+805	5+974			✓	236											
5+989				✓	63											
6+100				✓						6.30						
6+110				✓						6.30						
6+130				✓						6.30						
6+150				✓						6.30						
6+295				✓						6.30						
6+380				✓						6.30						
6+440				✓						6.30						
6+600				✓						6.30						
6+960				✓						6.30						
7+040				✓						6.30						
7+170				✓						6.30						
7+220				✓						6.30						
7+240				✓						6.30						
7+255				✓						6.30						
7+275				✓						6.30						
7+340				✓						6.30						
7+600				✓						6.30						
7+710				✓						6.30						
7+870				✓						6.30						
8+060				✓						6.30						
8+130				✓						6.30						
8+200				✓						6.30						
8+320				✓								139				
8+345				✓	54											
8+365				✓	54											
8+425				✓								51				
8+500				✓						6.30						

TEMPORARY EROSION CONTROL TABLE

FROM STATION	TO STATION	LOCATION LEFT	LOCATION MEDIAN	LOCATION RIGHT	PERIMETER PROTECTION (m)	DRAINAGE BARRIER AT SWALE (m)	INTERCEPTOR DITCH (m)	SLOPE DRAIN (m)	STRAW BALE DITCH CHECK (m)	RIPRAP DITCH CHECK (m)	CULVERT PIPE PROTECTION (EA.)	SEDIMENT TRAP (m^3)	SEDIMENT BASIN (m^3)	DROP INLET PROTECTION (EA.)	CURB INLET PROTECTION (EA.)	REMARKS
8+625				✓						6.30						
8+655				✓						6.30						
8+700				✓						6.30						
8+700	8+830			✓	145											
8+860				✓	70											
8+945				✓						6.30						
8+960				✓						6.30						
8+975				✓						6.30						
8+985				✓						6.30						
8+995				✓						6.30						
9+015				✓						6.30						
9+053				✓	55											
9+092				✓	53											
9+345				✓						8.85						
9+360				✓						8.85						
9+375				✓						8.85						
9+420		✓								6.30						
9+520		✓								6.30						
9+603				✓						6.30						
9+660		✓								6.30						
9+860		✓								6.30						
9+940		✓								6.30						
10+050		✓								6.30						
10+075		✓								6.30						
10+120				✓						6.30						
10+145	10+235			✓	90											
10+200				✓										1		
10+235	10+300			✓	65											
10+370				✓						6.30						
10+400				✓										1		
10+405				✓						6.30						
10+440				✓						6.30						
10+480				✓						6.30						
10+520				✓						6.30						
10+550				✓										1		
10+625				✓										1		
10+630				✓		6.30										
10+660		✓								8.85						
10+700				✓		6.30										
10+740				✓		13.60										
10+765				✓		13.60										
10+780		✓				8.85, 13.6										
10+790				✓		13.60										
10+805				✓		13.60										
10+820		✓										195				
10+892	11+000	✓			150											
10+970				✓						6.30						
11+000				✓						6.30						
11+020				✓						6.30						
11+030				✓						6.30						
11+120				✓							1					
11+280				✓						4.00						
11+320				✓										1		
11+412				✓										1		
11+510				✓						4.00						
11+560				✓						4.60						
11+582				✓										1		
11+625				✓						4.60						
11+658				✓										1		
LINE "EBL38TH"																
6+189		✓												1		
6+389		✓												1		
6+589		✓												1		
6+789		✓												1		
7+000		✓												1		
7+200		✓												1		
LINE "PR5P"																
123+240				✓						6.30						
123+300				✓						6.30						
123+380				✓	30					6.30						
123+402				✓	30					6.30						
123+460				✓						6.30						
123+480				✓						6.30						
123+620				✓						6.30						

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Stephen F. Weintraut 9/28/01
DESIGN ENGINEER DATE

DESIGNED: DJI DRAWN: MDS
CHECKED: MDO CHECKED: DJI

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL TABLE - PHASE 2

HORIZONTAL SCALE	FILE
NONE	3804
VERTICAL SCALE	DESIGNATION
NONE	9614680
SURVEY BOOK	SHEET
	277 OF 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

BPS NO. 3804.07

R:\3804\asbuilts\ERO2_TBL.dwg 09-24-01 AT 15:23 CS 1

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION STATION	LEFT	RIGHT	CROSS	SIZE mm	PIPE TYPE	MANHOLE, INLET CATCH BASIN, OR SPECIALTY STRUCTURE *	LENGTH m	SKEW	FLOW LINE COVER m	FLOW LINE UP STREAM ELEV.	FLOW LINE DOWN STREAM ELEV.	SERVICE LIFE YEAR	SITE DESIGNATION	FLOWABLE MORTAR	BACKFILL METHOD	"B" BORROW FOR STR. BACKFILL m^3	REVETMENT RIPRAP Mg	CONCRETE CLASS A, FOR STRUCTURES m^3	PIPE END SECTION EA.	GRATED BOX END SECTION TYPE	GRATED BOX END SECTION SLOPE	GRATED BOX END SECTION EA.	SAFETY METAL END SECTION TYPE	SAFETY METAL END SECTION SLOPE	SAFETY METAL END SECTION EA.	CONNECT TO STRUCTURE	Rim Elevations	REMARKS
10	23+593 "6-P"			✓	1500	1		44		2.2	257.176	256.615				1	150		2.1										
11	123+623 "PR-5P"			✓	1650	1		44		4	256.281	256.129				1	225		2.4										
12	23+727 "6-P"			✓											3.8														Remove Headwall and Plug Pipe
13	3+000 "A"	✓			375	2	Inlet Type H-5	42.5		.3	257.584	257.534				1	16			1								258.594	
											257.484	254.300																258.594	
14	3+170 "A"	✓			375	2	Inlet Type H-5	32.5		.3	253.505	253.455				1	16			1								254.515	
											253.405	252.840																254.515	
15	3+221 "A"			✓	MIN. AREA 3.44 m^2	1		68		.6	251.680	251.310				1			3.3										2400 mm x 1720 mm
16	3+250 "A"	✓			375	2	MOD. Inlet Type H-5	26.5		.3	252.867	252.817				1	16			1								253.977	
							Slotted Drain Lt. & Rt.				252.767	252.42																253.977	
17	3+335 "A"		✓		375	2	MOD. Inlet Type H-5	24.5		.3	252.445	252.395				1	16			1								253.555	25m of Jacked Steel Pipe Req'd.
											252.345	252.096																253.563	
18	3+435 "A"		✓		375	2	MOD. Inlet Type H-5	24		.3	252.129	252.079				1	16			1								253.229	25m of Jacked Steel Pipe Req'd.
											252.029	251.850																253.486	
19	3+535 "A"		✓		375	2	MOD. Inlet Type H-5	24		.3	251.792	251.742				1	18			1								252.902	25m of Jacked Steel Pipe Req'd.
											251.692	251.350																253.190	
20	3+635 "A"	✓			375	2	MOD. Inlet Type H-5	24.5		.3	251.431	251.381				1	16			1								252.869	
							Slotted Drain Lt. & Rt.				251.331	251.156																252.581	
21	3+680.110 "A"	✓			375	2	MOD. Inlet Type H-5	25		.3	251.376	251.326				1	16			1								252.814	
							Slotted Drain Lt. & Rt.				251.276	250.872																252.526	
22	3+723 "A"	✓			375	2	MOD. Inlet Type H-5	26		.3	251.426	251.376				1	17			1								252.864	
							Slotted Drain Lt. & Rt.				251.326	250.659																252.576	
23	3+779 "A"			✓	900	1		53.5		1	250.485	250.240				1	110				1		2						
24	3+810 "A"	✓			375	2	MOD. Inlet Type H-5	28		5	251.975	251.925				1	25			1								253.273	
							Slotted Drain Lt.				251.875	250.500																252.985	
25	3+855 "A"			✓											3.75														Remove Headwall and Plug Pipe
26	3+992 "A"			✓											3.70														Remove Headwall and Plug Pipe
27	4+068 "A"			✓											4.35														Remove Headwall and Plug Pipe
27A	4+152 "A"			✓	900	1		72			249.593	248.920				1				2									
28	4+500 "A"	✓			375	2	Inlet Type H-5	25		.5	247.612	247.562				1	22			1								248.622	
											247.512	246.000																248.622	
29	4+600 "A"	✓			375	2	Inlet Type H-5	25.5		.3	246.011	245.961				1	16			1								247.021	
											245.911	245.250																247.021	
30	4+700 "A"	✓			375	2	Inlet Type H-5	24.5		.3	245.316	245.266				1	16			1								246.326	
											245.216	244.800																246.326	
31	4+800 "A"	✓			375	2	Inlet Type H-5	25		.3	244.991	244.941				1	16			1								246.001	
							Slotted Drain Lt. & Rt.				244.891	244.450																246.001	
32	4+950 "A"	✓			375	2	Inlet Type H-5	26.5		.5	244.469	244.419				1	24			1								245.479	
											244.369	243.300																245.479	
33	5+080 "A"	✓			375	2	Inlet Type H-5	27.5		.3	243.053	243.003				1	18			1								244.063	
							Slotted Drain Lt. & Rt.				242.953	242.100																244.063	
34	5+121.101 "A"	✓			375	2	MOD. Inlet Type H-5	33.5		.3	242.664	242.614				1	20			1								243.914	
							Slotted Drain Lt. & Rt.				242.564	242.100																243.978	
35	5+168 "A"	✓			375	2	MOD. Inlet Type H-5	28.5		.3	242.994	242.944				1	18			1								244.130	
							Slotted Drain Lt. & Rt.				242.794	242.000																244.358	
36	5+350 "A"	✓			375	2	Inlet Type X-5	28.5		.5	243.229	241.000				1	26			1								244.479	
37	5+385 "A"			✓	MIN. AREA 2.98 m^2	1		70		1	240.750	240.533				1	295		3.1										2200mm x 1620mm
38	5+438 "A"		✓		375	2	Inlet Type X-5	44		1	242.290	242.000				1	65										40	243.308	
							Slotted Drain Rt.																							
39	5+447 "A"	✓			375	2	Inlet Type X-5	26.5		.3	242.118	241.750				1	18			1								244.124	
							Slotted Drain Lt.																							
40	5+481.934 "A"		✓		375	2	Inlet Type X-5	27		1	242.000	241.500				1	42			1								243.248	28m of Jacked Steel Pipe Req'd.

* See Attached Detail for Inlet Type "H"

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Stephen F. Weintraut 9/28/01
DESIGN ENGINEER DATE

DESIGNED: B.Z. DRAWN: D.B.
CHECKED: M.O. CHECKED: B.Z.

INDIANA DEPARTMENT OF TRANSPORTATION

STRUCTURE DATA

HORIZONTAL SCALE	FILE
	3804
VERTICAL SCALE	DESIGNATION
	9614680
SURVEY BOOK	SHEET
	278 OF 520
CONTRACT	PROJECT
R-24327	IM-65-3 (281)118

DFS NO. 3804.07

CS

09-24-01 AT 12:58

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STRUCTURE DATA

STRUCTURE NUMBER	LOCATION: STATION	LEFT	RIGHT	CROSS	SIZE (mm)	PIPE TYPE	MANHOLE, INLET CATCH BASIN, OR SPECIALTY STRUCTURE *	LENGTH (m)	SKEW	COVER (m)	FLOW LINE: UP STREAM ELEV.	FLOW LINE: DOWN STREAM ELEV.	SERVICE LIFE (YEAR)	SITE DESIGNATION	FLOWABLE MORTAR	BACKFILL METHOD	"B" BORROW FOR STR. BACKFILL (m³)	REVETMENT RIPRAP (Mg)	CONCRETE CLASS A, FOR STRUCTURES (m³)	PIPE END SECTION (EA.)	GRATED BOX END SECTION: TYPE	GRATED BOX END SECTION: SLOPE	GRATED BOX END SECTION: EA.	SAFETY METAL END SECTION: TYPE	SAFETY METAL END SECTION: SLOPE	SAFETY METAL END SECTION: EA.	CONNECT TO STRUCTURE	RIM ELEVATIONS	REMARKS
41	5+481.934 "A"	✓			375	2	Inlet Type X-5	29		.3	242.836	241.30				1	20			1								244.086	
							Slotted Drain Lt.																						
42	5+512 "A"	✓			375	2	Inlet Type X-5	31.5		.3	242.870	241.00				1	22			1								244.114	
							Slotted Drain Lt.																						
42A	5+515 "A"			✓	900	1		64			240.840	EXISTING																	Connect To Existing
43	5+525 "A"		✓		375	2	MOD. Inlet Type X-5	43		1	242.288	242.000				1	64										40	243.306	
							Slotted Drain Rt.																						
44	5+550 "A"	✓			375	2	Inlet Type X-5	32.5		.3	242.980	241.00				1	22			1								244.231	
45	5+600 "A"	✓			375	2	Inlet Type X-5	32.5		.3	243.424	241.00				1	22			1								244.524	
46	5+600 "A"		✓		375	2	Inlet Type X-5	35		1	242.586	241.00				1				1								243.686	35m of Jacked Steel Pipe Req'd.
47	5+650 "A"	✓			375	2	Inlet Type X-5	33		.3	243.720	241.550				1	23			1								244.970	
							Slotted Drain Lt.																						
48	5+700 "A"	✓			375	2	Inlet Type X-5	36.5		.3	244.217	242.00				1	27			1								245.467	
49	5+750 "A"	✓			375	2	Inlet Type X-5	22.5		.3	244.714	243.00				1	16			1								245.964	
50	5+752 "A"			✓											3.70														Remove Headwall and Plug Pipe
51	5+839 "A"			✓	900	1		72		3.5	239.984	239.722				1	375			2									
52	5+850 "A"	✓			375	2	Inlet Type X-5	31.5		1.5	245.502	241.500				1	72			1								246.848	
							2-22½° BENDS																						
53	6+150 "A"	✓			375	2	Inlet Type H-5	28.5		1.5	243.549	243.499				1	62			1								244.547	
							2-22½° BENDS				243.449	241.00																244.547	
54	6+160 "A"			✓											4.00														Remove Headwall and Plug Pipe
55	6+225 "A"		✓		375	2	Inlet Type X-5	60		.3	241.714	239.763				1	18										56	242.680	
56	6+285 "A"	✓			375	2	MOD. Inlet Type H-5	42		.5	239.763	239.713				1	37			1								241.023	
							2-22½° BENDS				239.663	236.00																240.914	
57	6+320 "A"		✓		375	2	Inlet Type X-5	30		.3	239.030	238.228				1	20										58	240.136	
							Slotted Drain Rt.																						
58	6+350 "A"		✓		375	2	Inlet Type X-5	37		.5	238.228	235.130				1	34			1							59	239.478	
59	6+380 "A"		✓		375	2	Inlet Type X-5	33		.3	237.823	235.00				1	20											238.925	33m of Jacked Steel Pipe Req'd.
60	6+410 "A"		✓		375	2	Inlet Type X-5	30		.3	237.295	236.827				1	20										61	238.395	
							Slotted Drain Rt.																						
61	6+440 "A"		✓		375	2	Inlet Type X-5	30		.5	236.827	236.788				1	28										62	237.927	
62	6+470 "A"	✓			375	2	Mod. Inlet Type H-5	27.5		.5	235.788	235.738				1	29			1								237.794	
							Slotted Drain Lt.				235.688	235.500																236.956	
63	NOT USED																												
64	6+500 "A"		✓		375	2	Inlet Type X-5	30		.3	236.207	236.054				1	20										65	237.307	
							Slotted Drain Rt.																						
65	6+530 "A"		✓		375	2	Inlet Type X-5	30		.3	236.054	235.982				1	18										66	237.154	28m of Jacked Steel Pipe Req'd.
66	6+560 "A"		✓		375	2	Inlet Type X-5	30		.3	235.982	235.380				1	20										67	237.082	
67	6+590 "A"	✓			375	2	Mod. Inlet Type H-5	26		.3	235.179	235.129				1	33			1								237.017	
							Slotted Drain Rt.& LT.				235.079	234.900																236.179	
68	NOT USED																												
69	6+640 "A"		✓		375	2	Inlet Type X-5	23		.3	235.000	234.760				1	16			1								236.908	25m of Jacked Steel Pipe Req'd.
70	6+725 "A"		✓		375	2	Inlet Type X-5	23		.3	234.840	234.590				1	16			1								236.718	25m of Jacked Steel Pipe Req'd.

* See Attached Detail for Inlet Type "H"

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

DESIGNED: B.Z. DRAWN: D.B.
CHECKED: M.O. CHECKED: B.Z.

INDIANA DEPARTMENT OF TRANSPORTATION

STRUCTURE DATA

HORIZONTAL SCALE	FILE 3804
VERTICAL SCALE	DESIGNATION 9614680
SURVEY BOOK	SHEET 279 OF 520
CONTRACT R-24327	PROJECT IM-65-3 (281)118

BFS NO. 3804.07

R:\3804\asbuilts\3804STR.DWG 09-24-01 AT 12:58 1 CS

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION STATION	LEFT	RIGHT	CROSS	SIZE mm	PIPE TYPE	MANHOLE, INLET CATCH BASIN, OR SPECIALTY STRUCTURE *	LENGTH m	SKEW	FLOW LINE COVER m	FLOW LINE UP STREAM ELEV.	FLOW LINE DOWN STREAM ELEV.	SERVICE LIFE YEAR	SITE DESIGNATION	FLOWABLE MORTAR	BACKFILL METHOD	"B" BORROW FOR STR. BACKFILL m^3	REVETMENT RIPRAP Mg	CONCRETE CLASS A, FOR STRUCTURES m^3	PIPE END SECTION EA.	GRATED BOX END SECTION TYPE	GRATED BOX END SECTION SLOPE	GRATED BOX END SECTION EA.	SAFETY METAL END SECTION TYPE	SAFETY METAL END SECTION SLOPE	SAFETY METAL END SECTION EA.	CONNECT TO STRUCTURE	RIM ELEVATIONS	REMARKS
71	NOT USED																												
72	6+800 "A"	✓			375	2	Mod. Inlet Type H-5 Slotted Drain Lt. & Rt.	24		1	234.470 234.370	234.420 234.300				1	52			1									236.395 235.557	
73	6+875 "A"		✓		375		Inlet Type X-5 Slotted Drain Rt.	11.7		1	235.050	234.482				1	27			1								74	236.098	
74	6+886.724 "A"	✓			375	2	Mod. Inlet Type H-5 Slotted Drain Lt. & Rt.	24.5		1	234.090 233.990	234.040 233.500				1	37			1									236.085 235.269	
75	6+950 "A"	✓			375	2	MOD. Inlet Type H-5	24		1	234.370 234.270	234.320 233.000				1	40			1									235.896 235.611	
76	7+100 "A"	✓			375	2	Inlet Type H-5 Slotted Drain Lt. & Rt.	25		1	234.231 234.131	234.181 232.900				1	37			1									235.331 235.331	
77	7+200 "A"	✓			375	2	Inlet Type H-5	26		1	234.113 234.013	234.063 232.162				1	40			1									235.113 235.113	
78	7+285 "A"			✓	1350 Corrugated or 1200 Smooth	1		68.5		2.5	229.815	228.815				1	335	2.8											Flap Gates Req'd.
79	7+325 "A"	✓			375	2	Inlet Type H-5	27		1	233.841 233.741	233.791 231.600				1	42			1									234.841 234.841	
80	7+450 "A"	✓			375	2	Inlet Type H-5 Slotted Drain Lt. & Rt.	26		1	233.569 233.469	233.519 231.618				1	40			1									234.569 234.569	
81	7+600 "A"	✓			375	2	Inlet Type H-5	25.5		.5	233.243 233.143	233.193 232.311				1	23			1									234.243 234.243	
82	7+750 "A"	✓			375	2	Inlet Type H-5	25		.5	232.916 232.816	232.866 231.572				1	23			1									233.916 233.916	
83	7+850 "A"	✓			375	2	Inlet Type H-5 Slotted Drain Lt. & Rt.	25.5		.5	232.686 232.586	232.636 232.000				1	23			1									233.686 233.686	
84	7+950 "A"	✓			375	2	Inlet Type H-5	23		.3	232.257 232.157	232.207 232.094				1	16			1									233.257 233.257	
85	8+250 " A "		✓		375	2	Inlet Type H-5 Slotted Drain Lt. & Rt.	24		.3	230.089 229.989	230.039 229.394				1	15			1									231.089 231.089	
86	8+289.085 " A"		✓		375	2	Inlet Type H-5 Slotted Drain Lt. & Rt.	24.5		.3	230.042 229.942	229.992 229.269				1	15			1									231.042 231.042	
87	8+310 " A"		✓		375	2	Inlet Type H-5 Slotted Drain Lt. & Rt.	22.5		.3	230.056 229.956	230.006 229.100				1	15			1									231.056 231.056	
88	8+410 " A"		✓		375	2	MOD. Inlet Type H-5	31		.3	230.332 230.232	230.282 227.500				1	16			1									231.516 231.482	25m of Jacked Steel Pipe Req'd.
89	8+475 " A "		✓		375	2	MOD. Inlet Type H-5	27.5		.3	231.819 230.719	230.769 230.235				1	16			1									232.441 231.969	25m of Jacked Steel Pipe Req'd.
90	8+565 " A "	✓			375	2	Inlet Type X-5 Slotted Drain Lt.	24		1	232.890	231.000				1	42			1									234.152	
90A	8+565 " A "		✓		375	2	Inlet Type X-5	26			231.956	230.750																	233.064	
91	8+675 " A "	✓			375	2	Inlet Type X-5	32		.3	235.290	230.50				1	16			1									236.511	2 Bends Req'd.
92	8+775 " A "	✓			375	2	Inlet Type X-5	37		.3	237.407	230.00				1	20			1									238.627	2 Bends Req'd.
93	9+000 " A "	✓			375	2	Inlet Type X-5	26		.3	238.647	236.000				1	20			1									239.907	
94	9+020 " A "		✓		375	2	Inlet Type X-5	38		1	237.284	231.402				1	38			1									238.394	20m of Jacked Steel Pipe Req'd.
95	9+125 " A "	✓			375	2	Inlet Type X-5	27.5		.3	236.429	235.500				1	16			1									237.939	
96	9+250 " A "		✓		375	2	MOD. Inlet Type H-5 Slotted Drain Lt. & Rt.	60		.3	232.680 232.580	232.630 228.532				1	16			1									234.677 233.725	
97	9+400 " A "	✓			375	2	MOD. Inlet Type H-5	62.5		.5	229.949 229.849	229.899 228.820				1	60			1									231.049 231.049	
98	6+189 "EBL38TH"		✓		375	2	MOD. Inlet Type H-5	32		.5	229.647 229.547	229.597 229.000				1	44			1									231.287 230.897	
98A	6+292 "WBL38TH-B"		✓		600	1		20			228.031	227.895								2										
99	9+525 " A "	✓			375	2	Inlet Type H-5	22		.3	229.225 229.125	229.175 228.990				1	14											100	230.225 230.225	

* See Attached Detail for Inlet Type "H"

STEPHEN F. WENTHAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER 9/28/01 DATE

DESIGNED: B.Z. DRAWN: D.B.

CHECKED: M.O. CHECKED: B.Z.

INDIANA DEPARTMENT OF TRANSPORTATION

STRUCTURE DATA

HORIZONTAL SCALE	FILE 3804
VERTICAL SCALE	DESIGNATION 9614680
SURVEY BOOK	SHEET 280 OF 520
CONTRACT R-24327	PROJECT IM-65-3 (281)118

3804.07 DFS NO.

R:\3804\cadsuite\3804STR.DWG 09-24-01 AT 12:58 CS

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION: STATION	LEFT	RIGHT	CROSS	SIZE (mm)	PIPE TYPE	MANHOLE, INLET CATCH BASIN, OR SPECIALTY STRUCTURE *	LENGTH (m)	SKEW	COVER (m)	FLOW LINE: UP STREAM ELEV.	FLOW LINE: DOWN STREAM ELEV.	SERVICE LIFE YEAR	SITE DESIGNATION	FLOWABLE MORTAR	BACKFILL METHOD	"B" BORROW FOR STR. BACKFILL (m³)	REVETMENT RIPRAP (Mg)	CONCRETE CLASS A, FOR STRUCTURES (m³)	PIPE END SECTION (EA.)	GRATED BOX END SECTION: TYPE	GRATED BOX END SECTION: SLOPE	GRATED BOX END SECTION: EA.	SAFETY METAL END SECTION: TYPE	SAFETY METAL END SECTION: SLOPE	SAFETY METAL END SECTION: EA.	CONNECT TO STRUCTURE	Rim Elevations	REMARKS
100	6+321 "WBL38TH-B"	✓			375	2	MOD. Inlet Type H-5	28.5		.5	228.990	228.940				1	20			1								230.138	
											228.890	227.900																230.101	
101	6+389 "EBL38TH"		✓		375	2	MOD. Inlet Type H-5	27		.3	228.649	228.599				1	18			1								229.828	
											228.549	228.00																229.759	
102	9+700 "A"	✓			375	2	Inlet Type H-5	23		.3	228.546	228.496				1	14										103	229.546	
							Slotted Drain Lt. & Rt.				228.446	228.119																229.546	
103	6+496 "WBL38TH-B"	✓			375	2	MOD.Inlet Type H-5	28		.5	228.119	228.069				1	20			1								229.471	
											228.019	227.40																229.369	
104	6+589 "EBL38TH"		✓		375	2	MODInlet Type H-5	27		.3	227.773	227.723				1	18			1								228.983	
											227.673	226.300																229.105	
105	9+875 "A"	✓			375	2	Inlet Type H-5	23		.3	227.857	227.807				1	14										106	228.867	
											227.757	227.192																228.867	
106	6+671 "WBL38TH-B"	✓			375	2	MOD. Inlet Type H-5	28		.5	227.192	227.142				1	20			1								228.302	
							Slotted Drain Lt. & Rt.				227.092	226.776																228.557	
107	6+789 "EBL38TH"		✓		375	2	MODInlet Type H-5	30		.3	227.097	227.047				1	18			1								228.207	
											226.997	225.58																228.467	
108	10+000 "A"	✓			375	2	Inlet Type H-5	23		.3	227.372	227.322				1	14										109	228.382	
											227.272	226.954																228.382	
109	6+796 "WBL38TH-B"	✓			375	2	MOD. Inlet Type H-5	28		.5	226.954	226.904				1	20			1								228.204	
											226.854	226.26																228.471	
110	10+061 "A"	✓			375	2		4		.3	227.110	227.100				1	2										111		
111	10+061 "A"	✓			375	2	Inlet Type X-5	30		.5	226.794	225.711				1	26			1								227.904	
112	NOT USED																												
113	10+177 "A"	✓			375	2		3		.3	226.300	226.250				1	2										114		
114	10+177 "A"	✓			375	2	Mod. Inlet Type H-5	45		.3	225.731	225.681				1	18			1								226.981	
							Slotted Drain Lt & Rt				225.631	225.200																227.652	
115	10+200 "A"	✓			375	2	MOD. Inlet Type H-5	33.5		.3	225.646	225.596				1	32			1								226.756	
											225.546	225.300																227.507	
116	NOT USED																												
117	10+375 "A"	✓			375	2	MOD. Inlet Type H-5	44.5		.3	223.845	223.795				1	33			1								224.977	
											223.745	223.000																225.996	
118	10+400 "A"		✓		375	2	Inlet Type X-5	150		.3	223.540	222.518				1	100			1							121	224.847	
							Slotted Drain																						
119	7+200 "EBL38TH"			✓	375	2	Inlet Type X-5	29.5		.3	224.420	223.700				1	18			1								225.693	
							Slotted Drain																						
120	10+549 "A"	✓			375	2	MOD.Inlet Type H-5	44.5		.3	222.549	222.499				1	31			1								223.924	
											222.449	221.850																224.545	Connect to Existing
121	10+550 "A"		✓		375	2	Inlet Type X-5	72.5		.3	222.518	221.902				1	84			1							123	223.866	
122	NOT USED																												
123	10+625 "A"		✓		375	2	MOD. Inlet Type H-5	115		.3	221.902	221.852				1	76			1								223.550	
											221.802	221.00																223.635	
124	10+703 "A"	✓			375	2	Inlet Type X-5	34		.3	221.670	221.000				1	25			1								222.903	
125	10+825	✓			375	2	MOD. Inlet Type H-5	34		.3	220.450	220.400				1	25			1								221.726	Connect to Existing
							Slotted Drain				220.350	219.600																222.098	
125A	10+833			✓	375	2	Inlet Type H-5	5			220.870	220.820																	Connect to Existing
											220.770	220.720																	
126	10+850		✓		375	2		5			220.400	220.350															127		
127	10+854 "A"		✓		375	2	Inlet Type X-5	12			220.350	218.167								1								221.688	
127A	0+420 "38-NER"	✓			375	2	Inlet Type H-5	32.5			220.344	220.294								1								221.494	
											220.244	217.658																222.661	
127B	10+946 "A"			✓	375	2		5		.3	218.900	218.300								1									Extend Exist. Str.

* See Attached Detail for Inlet Type "H"

STEPHEN F. WEINTRAUT — REGISTERED No. 16222 — STATE OF INDIANA — PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER — DATE

DESIGNED: B.Z. DRAWN: D.B.
CHECKED: M.O. CHECKED: B.Z.

INDIANA DEPARTMENT OF TRANSPORTATION

STRUCTURE DATA

HORIZONTAL SCALE	FILE 3804
VERTICAL SCALE	DESIGNATION 9614680
SURVEY BOOK	SHEET 281 OF 520
CONTRACT R-24327	PROJECT IM-65-3 (281)118

BFS NO. 3804.07

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STRUCTURE DATA

STRUCTURE NUMBER	LOCATION STATION	LEFT	RIGHT	CROSS	SIZE mm	PIPE TYPE	MANHOLE, INLET CATCH BASIN, OR SPECIALTY STRUCTURE *	LENGTH m	SKEW	FLOW LINE COVER m	FLOW LINE UP STREAM ELEV.	FLOW LINE DOWN STREAM ELEV.	SERVICE LIFE YEAR	SITE DESIGNATION	FLOWABLE MORTAR	BACKFILL METHOD	"B" BORROW FOR STR. BACKFILL m^3	REVETMENT RIPRAP Mg	CONCRETE CLASS A, FOR STRUCTURES m^3	PIPE END SECTION EA.	GRATED BOX END SECTION TYPE	GRATED BOX END SECTION SLOPE	GRATED BOX END SECTION EA.	SAFETY METAL END SECTION TYPE	SAFETY METAL END SECTION SLOPE	SAFETY METAL END SECTION EA.	CONNECT TO STRUCTURE	Rim Elevations	REMARKS
128	11+054 "A"		✓		375	2		3		.3						1	7			1										Extend Exist. Str.
129	11+067 "A"			✓	600	1		36		.3						1	12			2								129A		Extend Exist. Str. 8m Rt. & 12m Lt.
129A	0+239 " 38-NER "		✓				Inlet Type F-7				220.570	220.470																	222.520	
130	0+232 " 38-NER "			✓	375	2	MOD. Inlet Type H-5	31		.3	222.098	222.048				1	16			1								129A	223.348	
											221.998	220.570																	223.366	
130A	NOT USED																													
130B	NOT USED																													
130C	NOT USED																													
131	11+320 "A"		✓		375	2	Inlet Type X-5	70		.3	220.168	219.858				1	60											132C	221.564	
132	11+320 "A"		✓		375	2	MOD. Inlet Type E-7	2		.5	220.200	220.168				1	1											131	221.550	
132A	0+000 '38-NER"	✓			375	2	Inlet Type X-5	67			221.810	220.100																134	223.061	
132B	0+000 '38-NER"	✓			375	2	Inlet Type E-7	1			227.900	221.800																132A	224.000	
133	11+412 "A"		✓		375	2	Inlet Type X-5	5		.5	219.500	219.400				1	5			1									221.564	Outlet to Ditch
132C	11+390 "A"		✓		375	2	Inlet Type X-5	5		.5	219.858	219.000				1				1									221.104	Outlet to Ditch
134	11+412 "A"	✓			375	2	Inlet Type X-5	7		.3	220.100	220.050				1	5												221.179	Connect to Existing
135	11+412 "A"		✓		375	2		4		.3	219.640	219.500				1	2											133		Extend Exist.
136	11+582 "A"	✓			375	2	Inlet Type X-5	7		.3	217.000	216.900				1	5												218.288	Connect to Existing
137	11+582 "A"		✓		375	2		2.5		.3	216.600	216.500				1	2													Extend Exist.
138	11+582 "A"		✓		375	2	Inlet Type X-5 2-22½° Bends	10		.5	216.500	214.40				1	5			1									218.393	
139	11+658 "A"	✓			375	2	Inlet Type X-5 Slotted Drain	3.5		.3	215.995	215.950				1	2												217.421	Connect to Existing
140	11+658 "A"		✓		375	2		1.5		.3	215.760	215.740				1	2													Extend Exist.
141	11+658 "A"		✓		375	2	Inlet Type X-5 Slotted Drain 2-22½° Bends	10		.5	215.740	213.80				1	5			1										
142	11+729 "A"	✓			375	2	Inlet Type X-5 Slotted Drain	3		.3	215.720	215.60				1	2												217.141	Connect to Existing
143	11+810 "A"	✓			375	2	Inlet Type X-5 Slotted Drain	3		.3	216.057	216.000				1	2													Connect to Existing
144	11+886 "A"	✓			375	2	Inlet Type X-5	3		.3	217.105	217.000				1	2												218.382	Connect to Existing
145	20+030 "7-P"		✓		600	1		34		1	255.697	254.995				1	100			2										
146	1+344 "S-4-APR"			✓	375	2	Inlet Type J-10	30		.3	240.906	240.870				1	17											147	241.922	
146A	1+344 "S-4-APR"		✓		375	2	Inlet Type E-7	0.6		.3	241.030	240.982																146	241.720	
147	1+344 "S-4-APR"	✓			375	2	Inlet Type M-10	142		.3	240.870	239.743				1	1			1									242.036	
148	1+486 "S-4-APR"			✓	375	2	Inlet Type J-10	23.5		.3	239.743	239.700				1	16											149	240.850	
149	1+486 "S-4-APR"	✓			375	2	Inlet Type M-10	3		.3	239.700	239.680				1	1			1									240.850	Grade Spec. " V " Ditch
150	1+596 "S-4-APR"			✓	900	1		36		.3	238.597	238.454				1	45			2										
151	1+608 "S-4-APR"			✓	375	2	Inlet Type J-10	23.5		.3	239.080	239.000				1	14											152	240.227	
152	1+608 "S-4-APR"			✓	375	2	Inlet Type M-10	4		.3	239.000	238.980				1	2			1									240.227	
153	1+754 "S-4-APR"			✓	375	2	Inlet Type J-10	28		.3	238.297	238.285				1	18											154	239.447	

* See Attached Detail for Inlet Type "H"

STEPHEN F. WENTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Stephen F. Wentraut 9/28/01
DESIGN ENGINEER DATE

DESIGNED: B.Z. DRAWN: D.B.
CHECKED: M.O. CHECKED: B.Z.

INDIANA DEPARTMENT OF TRANSPORTATION

STRUCTURE DATA

HORIZONTAL SCALE	FILE 3804
VERTICAL SCALE	DESIGNATION 9614680
SURVEY BOOK	SHEET 282 OF 520
CONTRACT	PROJECT R-24327 IM-65-3 (281)118

BPS NO. 3804.07

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STRUCTURE DATA

STRUCTURE NUMBER	LOCATION STATION	LEFT	RIGHT	CROSS	SIZE mm	PIPE TYPE	MANHOLE, INLET CATCH BASIN, OR SPECIALTY STRUCTURE *	LENGTH m	SKEW	FLOW LINE COVER m	FLOW LINE UP STREAM ELEV.	FLOW LINE DOWN STREAM ELEV.	SERVICE LIFE YEAR	SITE DESIGNATION	FLOWABLE MORTAR	BACKFILL METHOD	"B" BORROW FOR STR. BACKFILL m^3	REVETMENT RIPRAP Mg	CONCRETE CLASS A, FOR STRUCTURES m^3	PIPE END SECTION EA.	GRATED BOX END SECTION TYPE	GRATED BOX END SECTION SLOPE	GRATED BOX END SECTION EA.	SAFETY METAL END SECTION TYPE	SAFETY METAL END SECTION SLOPE	SAFETY METAL END SECTION EA.	CONNECT TO STRUCTURE	Rim Elevations	REMARKS
154	1+754 "S-4-APR"	✓			375	2	Inlet Type M-10	3		.3	238.285	238.250				1	3			1									239.447	
155	1+761 "S-4-APR"			✓	Min. Area 0.83m2	2		38		.3	238.035	237.955				1			1.7											1240mm x 840mm
156	0+492 "US52-SWC"			✓	750	1		22		.3	239.364	239.015				1	15			2										
157	0+046 "US52-SEC"			✓	900	1		35		.5	237.768	237.518				1	45			2										
158	0+061 "US52-NWC"			✓	600	1		22		.3	240.290	240.076				1	15			2										
159	0+183 "US52-NEC"			✓	1200	1		38		1	238.465	238.380				1	130		2.1											
160	0+305 "US52-NEC"			✓	900	1		34		1	238.680	238.510				1	100			2										
161	1+249 "WBL38TH-A"	✓			375	1		20		1.5	230.124	230.000				1	30			1										
162	1+440 "PR"			✓	375	1		37		1.5	EXIST.	EXIST.				1	50			2										

* See Attached Detail for Inlet Type "H"

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Stephen F. Weintraut 9/28/01
DESIGN ENGINEER DATE

DESIGNED: B.Z. DRAWN: D.B.
CHECKED: M.O. CHECKED: B.Z.

INDIANA DEPARTMENT OF TRANSPORTATION

STRUCTURE DATA

HORIZONTAL SCALE	FILE 3804
VERTICAL SCALE	DESIGNATION 9614680
SURVEY BOOK	SHEET 282A OF 520
CONTRACT R-24327	PROJECT IM-65-3 (281)118

3804.07 BFS NO.

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STRUCTURE NUMBER

			10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	27A	28	29	30
PIPE GROUP			1	1	N/A	2	2	1	2	2	2	2	2	2	2	1	2	N/A	N/A	N/A	1	2	2	2
SMOOTH PIPE SIZE			1500mm	1650mm		375mm	375mm	2400mm x 1720mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm	900mm	375mm				900mm	375mm	375mm	375mm
CORRUGATED PIPE SIZE			1500mm	1650mm		375mm	375mm	2400mm x 1720mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm	900mm	375mm				900mm	375mm	375mm	375mm
RCP/ RCHEP (S)	CLASS		II	II		II	II		II	II	II	II	II	II	II	II	III				II	II	II	II
	D 0.3 RATING		50.0	60.0		60.0	60.0		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	75.0				50.0	60.0	60.0	60.0
NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)																					OK			
CORRUGATED PE PIPE, TYPE S (S)																					OK			
RIBBED PE PIPE (S)																OK					OK			
SMOOTH WALL PE PIPE (S)/ MAXIMUM DR																OK/26.00					OK/26.00			
PROFILE WALL PVC PIPE (S)																OK					OK			
SMOOTH WALL PVC PIPE (S)																	OK							
VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)																OK					OK			
CORRUGATED STEEL PIPE/ PIPE-ARCH: FULLY BIT. PAVED & LINED (S)	CORR. PROFILE					68mm x 13mm	68mm x 13mm		68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm		68mm x 13mm					68mm x 13mm	68mm x 13mm	68mm x 13mm
	THICKNESS					2.77mm	2.77mm		2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm		2.77mm					2.77mm	2.77mm	2.77mm
ZINC COATED (C)	CORR. PROFILE																							
	THICKNESS																							
ZINC COATED W/ BPI (C)	CORR. PROFILE	125mm x 25mm	125mm x 25mm													68mm x 13mm					68mm x 13mm			
	THICKNESS	3.51mm	3.51mm													3.51mm					3.51mm			
ALUM. COATED TYPE 2 (C)	CORR. PROFILE																							
	THICKNESS																							
ALUM. COATED TYPE 2 W/ BPI (C)	CORR. PROFILE	125mm x 25mm	125mm x 25mm													125mm x 25mm					125mm x 25mm			
	THICKNESS	2.77mm	2.77mm													2.77mm					2.77mm			
POLYMER PRECOATED GALVANIZED (C)	CORR. PROFILE																							
	THICKNESS																							
POLYMER PRECOATED GALVANIZED W/ BPI (C)	CORR. PROFILE	125mm x 25mm	125mm x 25mm													125mm x 25mm					125mm x 25mm			
	THICKNESS	2.77mm	2.77mm													2.77mm					2.77mm			
FIBER BONDED BITUMINOUS COATED (C)	CORR. PROFILE																							
	THICKNESS																							
FIBER BONDED BITUMINOUS COATED W/ BPI (C)	CORR. PROFILE	125mm x 25mm	125mm x 25mm													125mm x 25mm					125mm x 25mm			
	THICKNESS	2.77mm	2.77mm													2.77mm					2.77mm			
CORRUGATED ALUM. ALLOY PIPE (C)	CORR. PROFILE																							
	THICKNESS																							
CORRUGATED ALUM. ALLOY PIPE W/ BPI (C)	CORR. PROFILE	150mm x 25mm	150mm x 25mm					230mm x 64mm								75mm x 25mm					75mm x 25mm			
	THICKNESS	1.52mm	1.52mm					2.54mm								1.52mm					1.52mm			
STR. PLATE ALUMINUM ALLOY PIPE (C)	CORR. PROFILE																							
	THICKNESS																							
STR. PLATE ALUMINUM ALLOY PIPE W/ CFP (C)	CORR. PROFILE																							
	THICKNESS																							
STR. PLATE STEEL PIPE (C)	CORR. PROFILE																							
	THICKNESS **																							
STR. PLATE STEEL PIPE W/ CFP (C)	CORR. PROFILE							150mm x 50mm																
	THICKNESS **							2.82mm																

STRUCTURE NUMBER

			31	32	33	34	35	36	37	38	39	40	41	42	42A	43	44	45	46	47
PIPE GROUP			2	2	2	2	2	2	1	2	2	2	2	1	2	2	2	2	2	2
SMOOTH PIPE SIZE			375mm	375mm	375mm	375mm	375mm	375mm	2200mm x 1620mm	375mm	375mm	375mm	375mm	900mm	375mm	375mm	375mm	375mm	375mm	375mm
CORRUGATED PIPE SIZE			375mm	375mm	375mm	375mm	375mm	375mm	2200mm x 1620mm	375mm	375mm	375mm	375mm	900mm	375mm	375mm	375mm	375mm	375mm	375mm
RCP/ RCHEP (S)	CLASS		II	II	II	II	II	II		II	II	II	II	II	II	II	II	II	II	II
	D 0.3 RATING		60.0	60.0	60.0	60.0	60.0	60.0		60.0	60.0	60.0	60.0	50.0	60.0	60.0	60.0	60.0	60.0	60.0
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		68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm		68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm
	THICKNESS		2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm		2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm
ZINC COATED (C)	CORR. PROFILE																			
	THICKNESS																			
ZINC COATED W/ BPI (C)	CORR. PROFILE														68mm x 13mm					
	THICKNESS														2.77mm					
ALUM. COATED TYPE 2 (C)	CORR. PROFILE																			
	THICKNESS																			
ALUM. COATED TYPE 2 W/ BPI (C)	CORR. PROFILE														125mm x 25mm					
	THICKNESS														2.77mm					
POLYMER PRECOATED GALVANIZED (C)	CORR. PROFILE																			
	THICKNESS																			
POLYMER PRECOATED GALVANIZED W/ BPI (C)	CORR. PROFILE														125mm x 25mm					
	THICKNESS														2.77mm					
FIBER BONDED BITUMINOUS COATED (C)	CORR. PROFILE																			
	THICKNESS																			
FIBER BONDED BITUMINOUS COATED W/ BPI (C)	CORR. PROFILE														125mm x 25mm					
	THICKNESS														2.77mm					
CORRUGATED ALUM. ALLOY PIPE (C)	CORR. PROFILE																			
	THICKNESS																			
CORRUGATED ALUM. ALLOY PIPE W/ BPI (C)	CORR. PROFILE								230mm x 64mm						75mm x 25mm					
	THICKNESS								2.54mm						1.52mm					
STR. PLATE ALUMINUM ALLOY PIPE (C)	CORR. PROFILE																			
	THICKNESS																			
STR. PLATE ALUMINUM ALLOY PIPE W/ CFP (C)	CORR. PROFILE																			
	THICKNESS																			
STR. PLATE STEEL PIPE (C)	CORR. PROFILE																			
	THICKNESS **																			
STR. PLATE STEEL PIPE W/ CFP (C)	CORR. PROFILE								150mm x 50mm											
	THICKNESS **								2.82mm											

LEGEND

RCP-	REINFORCED CONCRETE PIPE
RCHEP-	REINFORCED CONCRETE HORIZONTAL ELLIPTICAL PIPE
PE-	POLYETHYLENE
DR-	DIMENSION RATIO
PVC-	POLYVINYL CHLORIDE
BIT-	BITUMINOUS
CORR-	CORRUGATION
BPI-	BITUMINOUS PAVED INVERT
ALUM-	ALUMINUM
STR-	STRUCTURAL
CFP-	CONCRETE FIELD PAVING
(S)-	SMOOTH PIPE MATERIAL
(C)-	CORRUGATED PIPE MATERIAL
OK-	ACCEPTABLE FOR USE
(LS)-	LOCK SEAM PIPE REQUIRED
**-	TABULATED THICKNESS REFERS TO TOP & SIDE PLATES. BOTTOM PLATES SHALL BE OF NEXT GREATER AVAILABLE THICKNESS.

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Stephen F. Weintraut 9/28/01
DESIGN ENGINEER DATE

DESIGNED: B.Z. DRAWN: D.B.
CHECKED: M.O. CHECKED: B.Z.

INDIANA DEPARTMENT OF TRANSPORTATION

PIPE MATERIAL SHEET

HORIZONTAL SCALE	FILE 3804
VERTICAL SCALE	DESIGNATION 9614680
SURVEY BOOK	SHEET 282B OF 520
CONTRACT	PROJECT R-24327 IM-65-3 (281)118

BFS NO. 3804.07

09-24-01 AT 12:52 CS 1

R:\3804\cadd\ts\3804MPPE1.DWG

CORRUGATED STEEL PIPE/ PIPE-ARCH

		STRUCTURE NUMBER																				
		48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69
PIPE GROUP		2	2	N/A	1	2	2	N/A	2	2	2	2	2	2	2	2	N/A	2	2	2	2	N/A	2
SMOOTH PIPE SIZE		375mm	375mm		900mm	375mm	375mm		375mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm		375mm	375mm	375mm	375mm		375mm
CORRUGATED PIPE SIZE		375mm	375mm		900mm	375mm	375mm		375mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm		375mm	375mm	375mm	375mm		375mm
RCP/ RCHEP (S)	CLASS	II	II		II	II	II		II	II	II	II	II	II	II	II		II	II	II	II		II
	D 0.3 RATING	60.0	60.0		60.0	60.0	60.0		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0		60.0	60.0	60.0	60.0		60.0
NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)																							
CORRUGATED PE PIPE, TYPE S (S)																							
RIBBED PE PIPE (S)																							
SMOOTH WALL PE PIPE (S)/ MAXIMUM DR					OK/26.00																		
PROFILE WALL PVC PIPE (S)					OK																		
SMOOTH WALL PVC PIPE (S)																							
VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)					OK																		
FULLY BIT. PAVED & LINED (S)	CORR. PROFILE	68mm x 13mm	68mm x 13mm			68mm x 13mm	68mm x 13mm		68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm		68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm		68mm x 13mm
	THICKNESS	2.77mm	2.77mm			2.77mm	2.77mm		2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm		2.77mm	2.77mm	2.77mm	2.77mm		2.77mm
ZINC COATED (C)	CORR. PROFILE																						
	THICKNESS																						
ZINC COATED W/ BPI (C)	CORR. PROFILE				68mm x 13mm																		
	THICKNESS				3.51mm																		
ALUM. COATED TYPE 2 (C)	CORR. PROFILE																						
	THICKNESS																						
ALUM. COATED TYPE 2 W/ BPI (C)	CORR. PROFILE				125mm x 25mm																		
	THICKNESS				2.77mm																		
POLYMER PRECOATED GALVANIZED (C)	CORR. PROFILE																						
	THICKNESS																						
POLYMER PRECOATED GALVANIZED W/ BPI (C)	CORR. PROFILE				125mm x 25mm																		
	THICKNESS				2.77mm																		
FIBER BONDED BITUMINOUS COATED (C)	CORR. PROFILE																						
	THICKNESS																						
FIBER BONDED BITUMINOUS COATED W/ BPI (C)	CORR. PROFILE				125mm x 25mm																		
	THICKNESS				2.77mm																		
CORRUGATED ALUM. ALLOY PIPE (C)	CORR. PROFILE																						
	THICKNESS																						
CORRUGATED ALUM. ALLOY PIPE W/ BPI (C)	CORR. PROFILE				75mm x 25mm																		
	THICKNESS				1.52mm																		
STR. PLATE ALUMINUM ALLOY PIPE (C)	CORR. PROFILE																						
	THICKNESS																						
STR. PLATE ALUMINUM ALLOY PIPE W/ CFP (C)	CORR. PROFILE																						
	THICKNESS																						
STR. PLATE STEEL PIPE (C)	CORR. PROFILE																						
	THICKNESS **																						
STR. PLATE STEEL PIPE W/ CFP (C)	CORR. PROFILE																						
	THICKNESS **																						

		STRUCTURE NUMBER																		
		70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	
PIPE GROUP		2	N/A	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	
SMOOTH PIPE SIZE		375mm		375mm	375mm	375mm	375mm	375mm	375mm	1200mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm	
CORRUGATED PIPE SIZE		375mm		375mm	375mm	375mm	375mm	375mm	375mm	1350mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm	
RCP/ RCHEP (S)	CLASS	II		II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	
	D 0.3 RATING	60.0		60.0	60.0	60.0	60.0	60.0	60.0	50.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	
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)																				
FULLY BIT. PAVED & LINED (S)	CORR. PROFILE	68mm x 13mm		68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm		68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	
	THICKNESS	2.77mm		2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm		2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	
ZINC COATED (C)	CORR. PROFILE																			
	THICKNESS																			
ZINC COATED W/ BPI (C)	CORR. PROFILE									125mm x 25mm										
	THICKNESS									3.51mm										
ALUM. COATED TYPE 2 (C)	CORR. PROFILE																			
	THICKNESS																			
ALUM. COATED TYPE 2 W/ BPI (C)	CORR. PROFILE									125mm x 25mm										
	THICKNESS									2.77mm										
POLYMER PRECOATED GALVANIZED (C)	CORR. PROFILE																			
	THICKNESS																			
POLYMER PRECOATED GALVANIZED W/ BPI (C)	CORR. PROFILE									125mm x 25mm										
	THICKNESS									2.77mm										
FIBER BONDED BITUMINOUS COATED (C)	CORR. PROFILE																			
	THICKNESS																			
FIBER BONDED BITUMINOUS COATED W/ BPI (C)	CORR. PROFILE									125mm x 25mm										
	THICKNESS									2.77mm										
CORRUGATED ALUM. ALLOY PIPE (C)	CORR. PROFILE																			
	THICKNESS																			
CORRUGATED ALUM. ALLOY PIPE W/ BPI (C)	CORR. PROFILE									150mm x 25mm										
	THICKNESS									1.52mm										
STR. PLATE ALUMINUM ALLOY PIPE (C)	CORR. PROFILE																			
	THICKNESS																			
STR. PLATE ALUMINUM ALLOY PIPE W/ CFP (C)	CORR. PROFILE																			
	THICKNESS																			
STR. PLATE STEEL PIPE (C)	CORR. PROFILE																			
	THICKNESS **																			
STR. PLATE STEEL PIPE W/ CFP (C)	CORR. PROFILE																			
	THICKNESS **																			

LEGEND

RCP-	REINFORCED CONCRETE PIPE
RCHEP-	REINFORCED CONCRETE HORIZONTAL ELLIPTICAL PIPE
PE-	POLYETHYLENE
DR-	DIMENSION RATIO
PVC-	POLYVINYL CHLORIDE
BIT-	BITUMINOUS
CORR-	CORRUGATION
BPI-	BITUMINOUS PAVED INVERT
ALUM-	ALUMINUM
STR-	STRUCTURAL
CFP-	CONCRETE FIELD PAVING
(S)-	SMOOTH PIPE MATERIAL
(C)-	CORRUGATED PIPE MATERIAL
OK-	ACCEPTABLE FOR USE
(LS)-	LOCK SEAM PIPE REQUIRED
** -	TABULATED THICKNESS REFERS TO TOP & SIDE PLATES. BOTTOM PLATES SHALL BE OF NEXT GREATER AVAILABLE THICKNESS.

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

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CHECKED: M.O. CHECKED: B.Z.

INDIANA DEPARTMENT OF TRANSPORTATION

PIPE MATERIAL SHEET

HORIZONTAL SCALE	FILE 3804
VERTICAL SCALE	DESIGNATION 9614680
SURVEY BOOK	SHEET 282C OF 520
CONTRACT	PROJECT R-24327 IM-65-3 (281)118

DFS NO. 3804.07

R:\3804\cadd\site\3804PIPE1.DWG 09-24-01 AT 12:52 CS 1

STRUCTURE NUMBER

		88	89	90	91	92	93	94	95	96	97	98	98A
PIPE GROUP		2	2	2	2	2	2	2	2	2	2	2	1
SMOOTH PIPE SIZE		375mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm	600mm
CORRUGATED PIPE SIZE		375mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm	600mm
RCP/ RCHEP (S)	CLASS	II	II	II	II	II	II	II	II	II	II	II	II
RCP/ RCHEP (S)	D 0.3 RATING	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	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	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	
	THICKNESS	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	
ZINC COATED (C)	CORR. PROFILE												
	THICKNESS												
ZINC COATED W/ BPI (C)	CORR. PROFILE												
	THICKNESS												
ALUM. COATED TYPE 2 (C)	CORR. PROFILE												
	THICKNESS												
ALUM. COATED TYPE 2 W/ BPI (C)	CORR. PROFILE												68mm x 13mm
	THICKNESS												2.77mm
POLYMER PRECOATED GALVANIZED (C)	CORR. PROFILE												
	THICKNESS												
POLYMER PRECOATED GALVANIZED W/ BPI (C)	CORR. PROFILE												68mm x 13mm
	THICKNESS												2.77mm
FIBER BONDED BITUMINOUS COATED (C)	CORR. PROFILE												
	THICKNESS												
FIBER BONDED BITUMINOUS COATED W/ BPI (C)	CORR. PROFILE												68mm x 13mm
	THICKNESS												2.77mm
CORRUGATED ALUM. ALLOY PIPE (C)	CORR. PROFILE												
	THICKNESS												
CORRUGATED ALUM. ALLOY PIPE W/ BPI (C)	CORR. PROFILE												68mm x 13mm
	THICKNESS												1.52mm
STR. PLATE ALUMINUM ALLOY PIPE (C)	CORR. PROFILE												
	THICKNESS												
STR. PLATE ALUMINUM ALLOY PIPE W/ CFP (C)	CORR. PROFILE												
	THICKNESS												
STR. PLATE STEEL PIPE (C)	CORR. PROFILE												
	THICKNESS **												
STR. PLATE STEEL PIPE W/ CFP (C)	CORR. PROFILE												
	THICKNESS **												

		99	100	101	102	103	104	105	106	107	108
PIPE GROUP		2	2	2	2	2	2	2	2	2	2
SMOOTH PIPE SIZE		375mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm
CORRUGATED PIPE SIZE		375mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm
RCP/ RCHEP (S)	CLASS	II	II	II	II	II	II	II	II	II	II
RCP/ RCHEP (S)	D 0.3 RATING	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
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	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm
	THICKNESS	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm
ZINC COATED (C)	CORR. PROFILE										
	THICKNESS										
ZINC COATED W/ BPI (C)	CORR. PROFILE										
	THICKNESS										
ALUM. COATED TYPE 2 (C)	CORR. PROFILE										
	THICKNESS										
ALUM. COATED TYPE 2 W/ BPI (C)	CORR. PROFILE										
	THICKNESS										
POLYMER PRECOATED GALVANIZED (C)	CORR. PROFILE										
	THICKNESS										
POLYMER PRECOATED GALVANIZED W/ BPI (C)	CORR. PROFILE										
	THICKNESS										
FIBER BONDED BITUMINOUS COATED (C)	CORR. PROFILE										
	THICKNESS										
FIBER BONDED BITUMINOUS COATED W/ BPI (C)	CORR. PROFILE										
	THICKNESS										
CORRUGATED ALUM. ALLOY PIPE (C)	CORR. PROFILE										
	THICKNESS										
CORRUGATED ALUM. ALLOY PIPE W/ BPI (C)	CORR. PROFILE										
	THICKNESS										
STR. PLATE ALUMINUM ALLOY PIPE (C)	CORR. PROFILE										
	THICKNESS										
STR. PLATE ALUMINUM ALLOY PIPE W/ CFP (C)	CORR. PROFILE										
	THICKNESS										
STR. PLATE STEEL PIPE (C)	CORR. PROFILE										
	THICKNESS **										
STR. PLATE STEEL PIPE W/ CFP (C)	CORR. PROFILE										
	THICKNESS **										

STRUCTURE NUMBER

		109	110	111	112	113	114	115	116	117
PIPE GROUP		2	2	2	N/A	2	2	2	N/A	2
SMOOTH PIPE SIZE		375mm	375mm	375mm		375mm	375mm	375mm		375mm
CORRUGATED PIPE SIZE		375mm	375mm	375mm		375mm	375mm	375mm		375mm
RCP/ RCHEP (S)	CLASS	II	II	II		II	II	II		II
RCP/ RCHEP (S)	D 0.3 RATING	60.0	60.0	60.0		60.0	60.0	60.0		60.0
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	68mm x 13mm	68mm x 13mm	68mm x 13mm		68mm x 13mm	68mm x 13mm	68mm x 13mm		68mm x 13mm
	THICKNESS	2.77mm	2.77mm	2.77mm		2.77mm	2.77mm	2.77mm		2.77mm
ZINC COATED (C)	CORR. PROFILE									
	THICKNESS									
ZINC COATED W/ BPI (C)	CORR. PROFILE									
	THICKNESS									
ALUM. COATED TYPE 2 (C)	CORR. PROFILE									
	THICKNESS									
ALUM. COATED TYPE 2 W/ BPI (C)	CORR. PROFILE									
	THICKNESS									
POLYMER PRECOATED GALVANIZED (C)	CORR. PROFILE									
	THICKNESS									
POLYMER PRECOATED GALVANIZED W/ BPI (C)	CORR. PROFILE									
	THICKNESS									
FIBER BONDED BITUMINOUS COATED (C)	CORR. PROFILE									
	THICKNESS									
FIBER BONDED BITUMINOUS COATED W/ BPI (C)	CORR. PROFILE									
	THICKNESS									
CORRUGATED ALUM. ALLOY PIPE (C)	CORR. PROFILE									
	THICKNESS									
CORRUGATED ALUM. ALLOY PIPE W/ BPI (C)	CORR. PROFILE									
	THICKNESS									
STR. PLATE ALUMINUM ALLOY PIPE (C)	CORR. PROFILE									
	THICKNESS									
STR. PLATE ALUMINUM ALLOY PIPE W/ CFP (C)	CORR. PROFILE									
	THICKNESS									
STR. PLATE STEEL PIPE (C)	CORR. PROFILE									
	THICKNESS **									
STR. PLATE STEEL PIPE W/ CFP (C)	CORR. PROFILE									
	THICKNESS **									

		118	119	120	121	122	123	124	125	125A
PIPE GROUP		2	2	2	2	2	2	2	2	2
SMOOTH PIPE SIZE		375mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm
CORRUGATED PIPE SIZE		375mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm
RCP/ RCHEP (S)	CLASS	II	II	II	II	II	II	II	II	II
RCP/ RCHEP (S)	D 0.3 RATING	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
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	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm
	THICKNESS	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm
ZINC COATED (C)	CORR. PROFILE									
	THICKNESS									
ZINC COATED W/ BPI (C)	CORR. PROFILE									
	THICKNESS									
ALUM. COATED TYPE 2 (C)	CORR. PROFILE									
	THICKNESS									
ALUM. COATED TYPE 2 W/ BPI (C)	CORR. PROFILE									
	THICKNESS									
POLYMER PRECOATED GALVANIZED (C)	CORR. PROFILE									
	THICKNESS									
POLYMER PRECOATED GALVANIZED W/ BPI (C)	CORR. PROFILE									
	THICKNESS									
FIBER BONDED BITUMINOUS COATED (C)	CORR. PROFILE									
	THICKNESS									
FIBER BONDED BITUMINOUS COATED W/ BPI (C)	CORR. PROFILE									
	THICKNESS									
CORRUGATED ALUM. ALLOY PIPE (C)	CORR. PROFILE									
	THICKNESS									
CORRUGATED ALUM. ALLOY PIPE W/ BPI (C)	CORR. PROFILE									
	THICKNESS									
STR. PLATE ALUMINUM ALLOY PIPE (C)	CORR. PROFILE									
	THICKNESS									
STR. PLATE ALUMINUM ALLOY PIPE W/ CFP (C)	CORR. PROFILE									
	THICKNESS									
STR. PLATE STEEL PIPE (C)	CORR. PROFILE									
	THICKNESS **									
STR. PLATE STEEL PIPE W/ CFP (C)	CORR. PROFILE									
	THICKNESS **									

LEGEND

- RCP– REINFORCED CONCRETE PIPE
- RCHEP– REINFORCED CONCRETE HORIZONTAL ELLIPTICAL PIPE
- PE– POLYETHYLENE
- DR– DIMENSION RATIO
- PVC– POLYVINYL CHLORIDE
- BIT– BITUMINOUS
- CORR– CORRUGATION
- BPI– BITUMINOUS PAVED INVERT
- ALUM– ALUMINUM
- STR– STRUCTURAL
- CFP– CONCRETE FIELD PAVING
- (S)– SMOOTH PIPE MATERIAL
- (C)– CORRUGATED PIPE MATERIAL
- OK– ACCEPTABLE FOR USE
- (LS)– LOCK SEAM PIPE REQUIRED
- **– TABULATED THICKNESS REFERS TO TOP & SIDE PLATES. BOTTOM PLATES SHALL BE OF NEXT GREATER AVAILABLE THICKNESS.

1

09-24-01 AT 12:32 CS

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STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL Stephen F. Weintraut 9/28/01
DESIGN ENGINEER DATE

DESIGNED: B.Z. DRAWN: D.B.
CHECKED: M.O. CHECKED: B.Z.

INDIANA DEPARTMENT OF TRANSPORTATION

PIPE MATERIAL SHEET

HORIZONTAL SCALE	FILE 3804
VERTICAL SCALE	DESIGNATION 9614680
SURVEY BOOK	SHEET 282D OF 520
CONTRACT R-24327	PROJECT IM-65-3 (281)118

BFS NO. 3804.07

STRUCTURE NUMBER

		126	127	127A	127B	128	129	130	130A	130B	130C
PIPE GROUP		2	2	2	2	2	2	1	2	2	2
SMOOTH PIPE SIZE		375mm	375mm	375mm	375mm	375mm	375mm	600mm	450mm	450mm	450mm
CORRUGATED PIPE SIZE		375mm	375mm	375mm	375mm	375mm	375mm	600mm	450mm	450mm	450mm
RCP/ RCHEP (S)	CLASS	II	II	II	II	II	II	II	II	II	II
	D 0.3 RATING	60.0	60.0	60.0	60.0	60.0	60.0	50.0	50.0	50.0	50.0
NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)									OK	OK	OK
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)									OK	OK	OK
CORRUGATED STEEL PIPE/ PIPE-ARCH											
FULLY BIT. PAVED & LINED (S)	CORR. PROFILE	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm		68mm x 13mm	68mm x 13mm	68mm x 13mm
	THICKNESS	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm		2.77mm	2.77mm	2.77mm
ZINC COATED (C)	CORR. PROFILE										
	THICKNESS										
ZINC COATED W/ BPI (C)	CORR. PROFILE										
	THICKNESS										
ALUM. COATED TYPE 2 (C)	CORR. PROFILE										
	THICKNESS										
ALUM. COATED TYPE 2 W/ BPI (C)	CORR. PROFILE							68mm x 13mm			
	THICKNESS							2.77mm			
POLYMER PRECOATED GALVANIZED (C)	CORR. PROFILE										
	THICKNESS										
POLYMER PRECOATED GALVANIZED W/ BPI (C)	CORR. PROFILE							68mm x 13mm			
	THICKNESS							2.77mm			
FIBER BONDED BITUMINOUS COATED (C)	CORR. PROFILE										
	THICKNESS										
FIBER BONDED BITUMINOUS COATED W/ BPI (C)	CORR. PROFILE							68mm x 13mm			
	THICKNESS							2.77mm			
CORRUGATED ALUM. ALLOY PIPE (C)	CORR. PROFILE										
	THICKNESS										
CORRUGATED ALUM. ALLOY PIPE W/ BPI (C)	CORR. PROFILE							68mm x 13mm			
	THICKNESS							1.52mm			
STR. PLATE ALUMINUM ALLOY PIPE (C)	CORR. PROFILE										
	THICKNESS										
STR. PLATE ALUMINUM ALLOY PIPE W/ CFP (C)	CORR. PROFILE										
	THICKNESS										
STR. PLATE STEEL PIPE (C)	CORR. PROFILE										
	THICKNESS **										
STR. PLATE STEEL PIPE W/ CFP (C)	CORR. PROFILE										
	THICKNESS **										

		131	132	133	134	135	136	137	138	139	140	141	142
PIPE GROUP		2	2	2	2	2	2	2	2	2	2	2	2
SMOOTH PIPE SIZE		375mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm
CORRUGATED PIPE SIZE		375mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm	375mm
RCP/ RCHEP (S)	CLASS	II	II	II	II	II	II	II	II	II	II	II	II
	D 0.3 RATING	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
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	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm
	THICKNESS	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm	2.77mm
ZINC COATED (C)	CORR. PROFILE												
	THICKNESS												
ZINC COATED W/ BPI (C)	CORR. PROFILE												
	THICKNESS												
ALUM. COATED TYPE 2 (C)	CORR. PROFILE												
	THICKNESS												
ALUM. COATED TYPE 2 W/ BPI (C)	CORR. PROFILE												
	THICKNESS												
POLYMER PRECOATED GALVANIZED (C)	CORR. PROFILE												
	THICKNESS												
POLYMER PRECOATED GALVANIZED W/ BPI (C)	CORR. PROFILE												
	THICKNESS												
FIBER BONDED BITUMINOUS COATED (C)	CORR. PROFILE												
	THICKNESS												
FIBER BONDED BITUMINOUS COATED W/ BPI (C)	CORR. PROFILE												
	THICKNESS												
CORRUGATED ALUM. ALLOY PIPE (C)	CORR. PROFILE												
	THICKNESS												
CORRUGATED ALUM. ALLOY PIPE W/ BPI (C)	CORR. PROFILE												
	THICKNESS												
STR. PLATE ALUMINUM ALLOY PIPE (C)	CORR. PROFILE												
	THICKNESS												
STR. PLATE ALUMINUM ALLOY PIPE W/ CFP (C)	CORR. PROFILE												
	THICKNESS												
STR. PLATE STEEL PIPE (C)	CORR. PROFILE												
	THICKNESS **												
STR. PLATE STEEL PIPE W/ CFP (C)	CORR. PROFILE												
	THICKNESS **												

STRUCTURE NUMBER

		143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
PIPE GROUP		2	2	1	2	2	2	2	1	2	2	2	2	N/A	1	1	1	1	1
SMOOTH PIPE SIZE		375mm	375mm	600mm	375mm	375mm	375mm	375mm	900mm	375mm	375mm	375mm	375mm		600mm	900mm	600mm	1200mm	900mm
CORRUGATED PIPE SIZE		375mm	375mm	600mm	375mm	375mm	375mm	375mm	900mm	375mm	375mm	375mm	375mm		600mm	900mm	600mm	1200mm	900mm
RCP/ RCHEP (S)	CLASS	II	II	II	II	II	II	II	II	II	II	II	II		II	II	II	II	II
	D 0.3 RATING	60.0	60.0	50.0	60.0	60.0	60.0	60.0	50.0	60.0	60.0	60.0	60.0		50.0	50.0	50.0	50.0	50.0
NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)									OK							OK			OK
CORRUGATED PE PIPE, TYPE S (S)									OK							OK			OK
RIBBED PE PIPE (S)									OK							OK			OK
SMOOTH WALL PE PIPE (S)/ MAXIMUM DR									OK/26.00							OK/26.00			OK/26.00
PROFILE WALL PVC PIPE (S)									OK							OK			OK
SMOOTH WALL PVC PIPE (S)																			
VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)									OK							OK			OK
CORRUGATED STEEL PIPE/ PIPE-ARCH																			
FULLY BIT. PAVED & LINED (S)	CORR. PROFILE	68mm x 13mm	68mm x 13mm		68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm		68mm x 13mm	68mm x 13mm	68mm x 13mm	68mm x 13mm						
	THICKNESS	2.77mm	2.77mm		2.77mm	2.77mm	2.77mm	2.77mm		2.77mm	2.77mm	2.77mm	2.77mm						
ZINC COATED (C)	CORR. PROFILE																		
	THICKNESS																		
ZINC COATED W/ BPI (C)	CORR. PROFILE								68mm x 13mm							68mm x 13mm		125mm x 25mm	68mm x 13mm
	THICKNESS								3.51mm							3.51mm		3.51mm	3.51mm
ALUM. COATED TYPE 2 (C)	CORR. PROFILE																		
	THICKNESS																		
ALUM. COATED TYPE 2 W/ BPI (C)	CORR. PROFILE			68mm x 13mm					125mm x 25mm						68mm x 13mm	125mm x 25mm	68mm x 13mm	125mm x 25mm	125mm x 25mm
	THICKNESS			2.77mm					2.77mm						2.77mm	2.77mm	2.77mm	2.77mm	2.77mm
POLYMER PRECOATED GALVANIZED (C)	CORR. PROFILE																		
	THICKNESS																		
POLYMER PRECOATED GALVANIZED W/ BPI (C)	CORR. PROFILE			68mm x 13mm					125mm x 25mm						68mm x 13mm	125mm x 25mm	68mm x 13mm	125mm x 25mm	125mm x 25mm
	THICKNESS			2.77mm					2.77mm						2.77mm	2.77mm	2.77mm	2.77mm	2.77mm
FIBER BONDED BITUMINOUS COATED (C)	CORR. PROFILE																		
	THICKNESS																		
FIBER BONDED BITUMINOUS COATED W/ BPI (C)	CORR. PROFILE			68mm x 13mm					125mm x 25mm						68mm x 13mm	125mm x 25mm	68mm x 13mm	125mm x 25mm	125mm x 25mm
	THICKNESS			2.77mm					2.77mm						2.77mm	2.77mm	2.77mm	2.77mm	2.77mm
CORRUGATED ALUM. ALLOY PIPE (C)	CORR. PROFILE																		
	THICKNESS																		
CORRUGATED ALUM. ALLOY PIPE W/ BPI (C)	CORR. PROFILE			68mm x 13mm					75mm x 25mm						68mm x 13mm	75mm x 25mm	68mm x 13mm	150mm x 25mm	75mm x 25mm
	THICKNESS			1.52mm					1.52mm						1.52mm	1.52mm	1.52mm	1.52mm	1.52mm
STR. PLATE ALUMINUM ALLOY PIPE (C)	CORR. PROFILE																		
	THICKNESS																		
STR. PLATE ALUMINUM ALLOY PIPE W/ CFP (C)	CORR. PROFILE																		
	THICKNESS																		
STR. PLATE STEEL PIPE (C)	CORR. PROFILE																		
	THICKNESS **																		
STR. PLATE STEEL PIPE W/ CFP (C)	CORR. PROFILE																		
	THICKNESS **																		

LEGEND

- RCP– REINFORCED CONCRETE PIPE
- RCHEP– REINFORCED CONCRETE HORIZONTAL ELLIPTICAL PIPE
- PE– POLYETHYLENE
- DR– DIMENSION RATIO
- PVC– POLYVINYL CHLORIDE
- BIT– BITUMINOUS
- CORR– CORRUGATION
- BPI– BITUMINOUS PAVED INVERT
- ALUM– ALUMINUM
- STR– STRUCTURAL
- CFP– CONCRETE FIELD PAVING
- (S)– SMOOTH PIPE MATERIAL
- (C)– CORRUGATED PIPE MATERIAL
- OK– ACCEPTABLE FOR USE
- (LS)– LOCK SEAM PIPE REQUIRED
- **– TABULATED THICKNESS REFERS TO TOP & SIDE PLATES. BOTTOM PLATES SHALL BE OF NEXT GREATER AVAILABLE THICKNESS.

09-24-01 AT 12:52 CS 1

R:\3804\asbuilts\3804PIPE1.DWG

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

DESIGNED: B.Z. DRAWN: D.B.
CHECKED: M.O. CHECKED: B.Z.

INDIANA DEPARTMENT OF TRANSPORTATION

PIPE MATERIAL SHEET

HORIZONTAL SCALE	FILE 3804
VERTICAL SCALE	DESIGNATION 9614680
SURVEY BOOK	SHEET 282E OF 520
CONTRACT R-24327	PROJECT IM-65-3 (281)118

BFS NO. 3804.07

UNDERDRAIN TABLE

	UNDERDRAIN PIPE										OUTLET PIPE										OUTLET PROTECTORS						
	Underdrain Pipe Limits	Type 4 Pipe 100 mm (m)	Type 4 Pipe 150 mm (m)	Geotextile for Underdrains (m^2)	Aggregate for Underdrains (m^3)	HMA for Underdrains (Mg)	Special Grade %	Flow Line Elevation @ Underdrain Pipe Limit	Outlet Pipe Required (Y/N)	Connect Underdrain Pipe to Structure No. ___	Structure Invert Elevation	45 Degree Elbows Required (1 or 2)	150 mm Outlet Pipe (m)	Outlet Station	Outlet Elevation	Outlet at Outlet Protector No. ___	Ditch Flow Line Elevation at Outlet Protector	Connect Outlet Pipe to Structure No. ___	Structure Invert Elevation	B Borrow for Structure Backfill (m^3)	HMA for Underdrains (Mg)	Outlet Protector No. ___	Outlet Protector Type	Location: Outside Left	Location: Median Left	Location: Median Right	Location: Outside Right	Remarks
	"5-P"																										
I-65 Southbound Lane Outside Lines "5-P" and "PR-5P" (Right)	23+174		10		2				N																		Connect to Exist. Underdrain
	23+184							260.114	N																		Connect to "PR-5P" at Sta. 123+184
	"PR-5P"																										
	123+184		56		13			260.114	N																		Connect to "5-P" at Sta. 23+184
	123+240							260.605	N																		
	123+240		120		27			260.605	Y			2	5.1	123+250	260.300	OP-1	259.695			3.3		OP-1	1				X	
	123+360							262.657	N																		
	123+360		111		25			262.657	Y			2	4.9	123+364	262.000	OP-2	258.499			3.2		OP-2	1				X	
	123+471							263.248	N																		
	123+512		89		20			263.245	N																		
	123+601							261.929	Y			2	5.3	123+601	261.500	OP-3	256.880			3.4		OP-3	1				X	
	123+601		101		23			261.929	Y			2	5.3	123+601	261.500	OP-3	256.880			3.4		OP-3	1				X	
	123+702							260.992	N																		
	123+702		68		15			260.992	Y			2	4.1	123+703	260.500	OP-4	257.023			2.6		OP-4	1				X	
	123+770							261.355	N																		Connect to "A" at 2+587
	"A"																										
I-65 Southbound Lane Outside - Line "A" (Right)	2+587		50		11			261.355	N																		Connect to "PR-5P" at 123+770
	2+637							262.236	N																		
	2+766		107		24			261.980	N																		
	2+873							260.557	Y			2	4.4	2+875	260.200	OP-5	254.340			2.8		OP-5	1				X	
	2+873		200		45			260.557	Y			2	4.4	2+875	260.200	OP-5	254.340			2.8							
	3+073							255.191	Y			2	6.9	3+080	254.800	OP-6	252.681			4.4		OP-6	1				X	
	3+073		147		33			255.191	Y			2	6.9	3+080	254.800	OP-6	252.681			4.4							
	3+220							252.711	Y			2	7.8	3+220	252.650	OP-7	252.443			5.0		OP-7	1				X	0.208 m freeboard
	3+220		200		45			252.711	Y			2	7.8	3+220	252.650	OP-7	252.443			5.0							0.178 m freeboard
	3+420							251.986	Y			2	7.7	3+415	251.950	OP-8	251.821			5.0		OP-8	1				X	0.129 m freeboard
	3+420		80		18			251.986	N														1				X	
	3+500							251.723	Y			2	7.7	3+500	251.700	OP-9	251.398			5.0		OP-9	1				X	0.292 m freeboard

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 9/28/01 DATE

DESIGNED: J.A.T. DRAWN: J.A.T.

CHECKED: M.A.E. CHECKED: J.W.M.

INDIANA DEPARTMENT OF TRANSPORTATION

MISC. TABLES

HORIZONTAL SCALE: NONE	BRIDGE FILE:
VERTICAL SCALE: NONE	DESIGNATION: 9614680
SURVEY BOOK:	SHEETS: 283 | OF | 520
CONTRACT: R-24327	PROJECT: IM-65-3 (281) 118

UNDERDRAIN TABLE

I-65 Southbound Lane Outside - Line "A" (Right)

UNDERDRAIN PIPE											OUTLET PIPE										OUTLET PROTECTORS						
Underdrain Pipe Limits	Type 4 Pipe		Geotextile for Underdrains	Aggregate for Underdrains	HMA for Underdrains	Special Grade	Flow Line Elevation @ Underdrain Pipe Limit	Outlet Pipe Required	Connect Underdrain Pipe to Structure No. ___	Structure Invert Elevation	45 Degree Elbows Required (1 or 2)	150 mm Outlet Pipe	Outlet Station	Outlet Elevation	Outlet at Outlet Protector No. ___	Ditch Flow Line Elevation at Outlet Protector	Connect Outlet Pipe to Structure No. ___	Structure Invert Elevation	B Borrow for Structure Backfill	HMA for Underdrains	Outlet Protector No. ___	Outlet Protector Type	Location				Remarks
	100 mm	150 mm																					Outside Left	Median Left	Median Right	Outside Right	
	(m)	(m)	(m^2)	(m^3)	(Mg)	%		(Y/N)				(m)							(m^3)	(Mg)							
3+500		200		45		0.20%	251.723	Y			2	7.7	3+500	251.700	OP-9	251.398			5.0								
3+700							251.323	Y			2	7.4	3+700	251.300	OP-10	250.862			4.8		OP-10	1				X	
3+700		184		42			251.323	Y			2	7.4	3+700	251.300	OP-10	250.862			4.8								
3+884							252.295	Y			2	5.8	3+880	252.000	OP-11	251.130			3.7		OP-11	1				X	
3+884		120		27			252.295	Y			2	5.8	3+880	252.000	OP-11	251.130			3.7								
4+004							253.509	N														1				X	
4+004		119		27			253.509	Y			2	5.7	4+000	252.200	OP-12	251.212			3.7		OP-12	1				X	
4+123							254.329	N														1				X	
4+123		12		3			254.329	N																			
4+135							254.319	Y			2	5.9	4+140	254.250	OP-13	250.220			3.8		OP-13	1				X	
4+189		200		45			254.036	Y			2	7.7	4+200	253.000	OP-14	248.760			5.0		OP-14	1				X	
4+389							250.000	Y			2	7.9	4+385	249.000	OP-15	247.150			5.1		OP-15	1				X	
4+389		200		45			250.000	Y			2	7.9	4+385	249.000	OP-15	247.150			5.1								
4+589							245.878	Y			2	7.6	4+590	245.700	OP-16	245.071			4.9		OP-16	1				X	
4+589		200		45			245.878	Y			2	7.6	4+590	245.700	OP-16	245.071			4.9								
4+789							244.758	Y			2	7.9	4+800	244.650	OP-17	244.033			5.1		OP-17	1				X	
4+789		200		45			244.758	Y			2	7.9	4+800	244.650	OP-17	244.033			5.1								
4+989							243.876	Y			2	5.1	5+000	243.720	OP-18	243.430			3.3		OP-18	1				X	
4+989		131		30			243.876	Y			2	5.1	5+000	243.720	OP-18	243.430			3.3								
5+120							242.613	N																			
5+120		18		4		0.30%	242.613	N																			
5+138							242.559	Y			2	46	5+130	242.450	OP-19	241.932			29.6		OP-19	1	X				Outlet to Left Side
5+140		93		21			242.553	Y			2	46	5+130	242.450	OP-20	241.932			29.6		OP-20	1	X				Outlet to Left Side
5+233							243.478	N																			
5+233		48		11			243.478	N																			
5+281							243.427	Y			2	9.5	5+280	242.700	OP-21	242.018			6.1		OP-21	1				X	
5+281		200		45			243.427	Y			2	9.5	5+280	242.700	OP-21	242.018			6.1								
5+481							242.962	Y			2	5.7	5+490	242.000	OP-22	241.097			3.7		OP-22	1				X	

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 9/28/01 DATE

DESIGNED: J.A.T. | DRAWN: J.A.T.

CHECKED: M.A.E. | CHECKED: J.W.M.

INDIANA DEPARTMENT OF TRANSPORTATION

MISC. TABLES

HORIZONTAL SCALE	BRIDGE FILE
NONE	
VERTICAL SCALE	DESIGNATION
NONE	9614680
SURVEY BOOK	SHEETS
	284 | OF | 520
CONTRACT	PROJECT
R-24327	IM-65-3 (281) 118

I-65 Southbound Lane Outside - Line "A" (Right)

UNDERDRAIN TABLE

UNDERDRAIN PIPE											OUTLET PIPE										OUTLET PROTECTORS						
Underdrain Pipe Limits	Type 4 Pipe		Geotextile for Underdrains	Aggregate for Underdrains	HMA for Underdrains	Special Grade	Flow Line Elevation @ Underdrain Pipe Limit	Outlet Pipe Required	Connect Underdrain Pipe to Structure No. ___	Structure Invert Elevation	45 Degree Elbows Required (1 or 2)	150 mm Outlet Pipe	Outlet Station	Outlet Elevation	Outlet at Outlet Protector No. ___	Ditch Flow Line Elevation at Outlet Protector	Connect Outlet Pipe to Structure No. ___	Structure Invert Elevation	B Borrow for Structure Backfill	HMA for Underdrains	Outlet Protector No. ___	Outlet Protector Type	Location				Remarks
	100 mm	150 mm																					Outside Left	Median Left	Median Right	Outside Right	
	(m)	(m)	(m^2)	(m^3)	(Mg)	%		(Y/N)				(m)							(m^3)	(Mg)							
5+481		178		40			242.962	Y			2	5.7	5+490	242.000	OP-22	241.097			3.7								
5+659							243.790	Y			2	26	5+650	241.500	OP-23	240.522			16.7		OP-23	1				X	
5+659		200		45		0.71%	243.790	Y			2	26	5+650	241.500	OP-23	240.522			16.7								
5+859							245.213	Y			2	10	5+860	244.000	OP-23A	240.530			6.4		OP-23A	1				X	
5+859		94		21		0.30%	245.213	Y			2	10	5+860	244.000	OP-23	240.530			6.4								
5+953							245.489	N																			
6+024		70		16			245.120	N																			
6+094							244.278	Y			2	7.3	6+100	243.000	OP-24	238.259			4.7		OP-24	1				X	
6+094		200		45			244.278	Y			2	7.3	6+100	243.000	OP-24	238.259			4.7								
6+294							239.436	Y			2	24.3	6+300	237.000	OP-25	235.265			15.6		OP-25	1				X	
6+294		166		38			239.436	Y			2	24.3	6+300	237.000	OP-25	235.265			15.6								
6+460							235.121	Y			2	7.6	6+460	235.080	OP-26	234.860			4.9		OP-26	1				X	0.22 m freeboard
6+460		180		41			235.121	Y			2	7.6	6+460	235.080	OP-26	234.860			4.9								0.243 m freeboard
6+640							234.686	Y			2	18.2	6+640				69		11.7								
6+640		160		36			234.686	Y			2	18.2	6+640						11.7								
6+800							234.173	Y			2	18.2	6+800				72		11.7								
6+800		86		19			234.173	N																			
6+886							233.881	Y			2	18.2	6+880				74		11.7								
6+886		70		16			233.881	Y			2	18.2	6+880				74		11.7								
6+956							234.207	N																			
6+956		124		28			234.207	Y			2	8	6+960	234.190	OP-27	233.973			5.1		OP-27	1				X	0.217 m freeboard
7+080							234.096	Y			2	7.4	7+075	234.000	OP-28	233.340			4.8		OP-28	1				X	
7+080		200		45			234.096	Y			2	7.4	7+075	234.000	OP-28	233.340			4.8								
7+280							233.648	Y			2	10.1	7+270	232.000	OP-29	230.370			6.5		OP-29	1				X	
7+280		200		45			233.648	Y			2	10.1	7+270	232.000	OP-29	230.370			6.5								
7+480							233.213	Y			2	8.8	7+490	232.000	OP-30	230.690			5.7		OP-30	1				X	
7+480		200		45			233.213	Y			2	8.8	7+490	232.000	OP-30	230.690			5.7								
7+680							232.777	Y			2	6.7	7+680	232.200	OP-31	231.397			4.3		OP-31	1				X	

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 9/28/01

DESIGNED: J.A.T. | DRAWN: J.A.T.

CHECKED: M.A.E. | CHECKED: J.W.M.

INDIANA DEPARTMENT OF TRANSPORTATION

MISC. TABLES

HORIZONTAL SCALE	BRIDGE FILE
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UNDERDRAIN TABLE

I-65 Southbound Lane Outside - Line "A" (Right)

UNDERDRAIN PIPE											OUTLET PIPE										OUTLET PROTECTORS						
Underdrain Pipe Limits	Type 4 Pipe		Geotextile for Underdrains	Aggregate for Underdrains	HMA for Underdrains	Special Grade	Flow Line Elevation @ Underdrain Pipe Limit	Outlet Pipe Required	Connect Underdrain Pipe to Structure No. ___	Structure Invert Elevation	45 Degree Elbows Required (1 or 2)	150 mm Outlet Pipe	Outlet Station	Outlet Elevation	Outlet at Outlet Protector No. ___	Ditch Flow Line Elevation at Outlet Protector	Connect Outlet Pipe to Structure No. ___	Structure Invert Elevation	B Borrow for Structure Backfill	HMA for Underdrains	Outlet Protector No. ___	Outlet Protector Type	Location				Remarks
	100 mm	150 mm																					Outside Left	Median Left	Median Right	Outside Right	
	(m)	(m)	(m^2)	(m^3)	(Mg)	%		(Y/N)				(m)							(m^3)	(Mg)							
7+680		200		45			232.777	Y			2	6.7	7+680	232.200	OP-31	231.397			4.3								
7+880							232.306	Y			2	8.2	7+880	232.100	OP-32	231.356			5.3		OP-32	1				X	
7+880		200		45			232.306	Y			2	8.2	7+880	232.100	OP-32	231.356			5.3								
8+080							231.026	Y			2	8	8+075	230.900	OP-33	230.639			5.1		OP-33	1				X	
8+080		200		45			231.026	Y			2	8	8+075	230.900	OP-33	230.639			5.1								
8+280							229.754	Y			2	6.5	8+280	229.700	OP-34	229.276			4.2		OP-34	1				X	
8+280		9		2		0.30%	229.754	N																			
8+289							229.727	Y			2	6.5	8+280	229.700	OP-35	229.157			4.2		OP-35	1				X	
8+289		45		10			229.727	Y			2	6.5	8+280	229.700	OP-35	229.157			4.2								
8+334								N																			
8+397		200		45			230.140	Y			2	7.6	8+400	229.581	OP-36	225.273			4.9		OP-36	1				X	
8+597							233.058	Y			2	6.8	8+600	232.600	OP-37	230.185			4.4		OP-37	1				X	
8+597		192		43			233.058	Y			2	6.8	8+600	232.600	OP-37	230.185			4.4								
8+789							237.079	Y			2	6.8	8+780	236.500	OP-38	229.784			4.4		OP-38	1				X	
8+868		66		15			238.101	Y			2	6.4	8+870	237.700	OP-39	228.340			4.1		OP-39	1				X	
8+934							238.368	N																			
8+934		105		24			238.368	N																			
9+039							237.919	Y			2	4.9	9+035	237.800	OP-40	231.180			3.2		OP-40	1				X	
9+117		121		27			236.544	Y			2	13.4	9+120	236.503	OP-41	236.222			8.6		OP-41	1				X	0.281 m freeboard
9+238							233.403	Y			2	5.8	9+238	233.000	OP-42	228.325			3.7		OP-42	1				X	
10+656		102		23				N																			
10+758							221.322	Y			2	8.5	10+758	221.297	OP-43	220.723			5.5		OP-43	1				X	
10+758		110		25			221.322	N																			
10+868							220.297	Y			2	7.8	10+868	219.800	OP-44	216.477			5.0		OP-44	1				X	
10+929		150		34			219.999	Y			2	8.1	10+929	219.450	OP-45	217.176			5.2		OP-45	1				X	
11+079							220.288	Y			2	10	11+079		OP-46				6.4		OP-46	1				X	
11+079		116		26			220.288	Y			2	10	11+079		OP-46				6.4								
11+195							220.661	N																			

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UNDERDRAIN TABLE

	UNDERDRAIN PIPE										OUTLET PIPE										OUTLET PROTECTORS						
	Underdrain Pipe Limits	Type 4 Pipe 100 mm (m)	Type 4 Pipe 150 mm (m)	Geotextile for Underdrains (m^2)	Aggregate for Underdrains (m^3)	HMA for Underdrains (Mg)	Special Grade %	Flow Line Elevation @ Underdrain Pipe Limit	Outlet Pipe Required (Y/N)	Connect Underdrain Pipe to Structure No. ___	Structure Invert Elevation	45 Degree Elbows Required (1 or 2)	150 mm Outlet Pipe (m)	Outlet Station	Outlet Elevation	Outlet at Outlet Protector No. ___	Ditch Flow Line Elevation at Outlet Protector	Connect Outlet Pipe to Structure No. ___	Structure Invert Elevation	B Borrow for Structure Backfill (m^3)	HMA for Underdrains (Mg)	Outlet Protector No. ___	Outlet Protector Type	Location: Outside Left	Location: Median Left	Location: Median Right	Location: Outside Right	Remarks
I-65 Southbound Lane Outside - Line "A" (Right)	11+195		200		45			220.661	Y			2	10	11+195		OP-47				6.4		OP-47	1				X	
	11+395							220.051	Y			2	10.4	11+395	220.019	OP-48	219.399			6.7		OP-48	1				X	
	11+395		200		45			220.051	Y			2	10.4	11+395	220.019	OP-48	219.399			6.7							
	11+595							217.150	Y			2	4.5	11+595	216.900	OP-49	213.921			2.9		OP-49	1				X	
	11+595		85		19			217.150	N																			
	11+680							216.268	Y			2	5.3	11+680	216.000	OP-50	213.054			3.4		OP-50	1				X	
	"6-P"																											
I-65 Northbound Lane Outside - Line "6-P" (Left)	23+030		116		26			*	N																			* Match Existing Underdrain
	23+146							259.409	Y			2	3.2	23+140	259.375	OP-51	259.172			2.1		OP-51	1	X				0.203 m freeboard; Min. 400 mm depth of U/D
	23+146		120		27			259.382	Y			2	3.2	23+140	259.375	OP-52	259.154			2.1								0.221 m freeboard
	23+266							258.867	Y			2	3.3	23+260	258.850	OP-53	258.785			2.1		OP-53	1	X				0.065 m freeboard; Min. 400 mm depth of U/D
	23+266		200		45			258.867	Y			2	3.3	23+260	258.850	OP-53	258.785											0.071 m freeboard; Min. 400 mm depth of U/D
	23+466							257.920	Y			2	19.3	23+460	257.850	OP-54	257.311			12.4		OP-54	1				X	Outlet to Right Side
	23+466		200		45			257.920	Y			2	19.3	23+460	257.850	OP-54	257.311			12.4								
	23+666							260.715	Y			2	10.1	23+665	259.000	OP-55	257.739			6.5		OP-55	1	X				
	23+666		80		18			260.715	Y			2	10.1	23+665	259.000	OP-55	257.739			6.5								
	23+746							261.714	N																			
	"A"																											
I-65 Northbound Lane Outside - Line "A" (Left)	2+587		104		24			261.714	N																			
	2+691							262.464	Y			2	14.8	2+690	259.000	OP-56	257.550			9.5		OP-56	1	X				
	2+758		195		44			262.271	Y			2	12	2+758	260.000	OP-57	257.260			7.7		OP-57	1	X				
	2+953							258.464	Y			2	13.5	2+950	256.500	OP-58	254.400			8.7		OP-58	1	X				
	2+953		120		27			258.464	N																			
	3+073							255.200	Y			2	18.1	3+080	254.200	OP-59	253.429			11.6		OP-59	1	X				
	3+073		169		38			255.200	Y			2	18.1	3+080	254.200	OP-60	253.429			11.6								
	3+242							252.586	Y			2	10.2	3+240	252.550	OP-61	252.332			6.6		OP-61	1	X				0.218 m freeboard
	3+242		200		45			252.586	Y			2	10.2	3+240	252.550	OP-61	252.332			6.6								0.218 m freeboard
	3+442							252.075	Y			2	43.7	3+440	251.970	OP-62	251.641			28.1		OP-62	1				X	Outlet to Right Side
	3+442		198		45			252.075	Y			2	43.7	3+440	251.970	OP-62	251.641			28.1								Outlet to Right Side
	3+640							251.466	Y			2	7.8	3+645	251.420	OP-63	251.119			5.0		OP-63	1	X				

IBRAHIM SWIDAN
REGISTERED
No. PE19600226
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 9/28/01 DATE

DESIGNED: J.A.T. | DRAWN: J.A.T.

CHECKED: M.A.E. | CHECKED: J.W.M.

INDIANA DEPARTMENT OF TRANSPORTATION

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UNDERDRAIN TABLE

I-65 Northbound Lane Outside - Line "A" (Left)

UNDERDRAIN PIPE											OUTLET PIPE										OUTLET PROTECTORS						
Underdrain Pipe Limits	Type 4 Pipe		Geotextile for Underdrains	Aggregate for Underdrains	HMA for Underdrains	Special Grade	Flow Line Elevation @ Underdrain Pipe Limit	Outlet Pipe Required	Connect Underdrain Pipe to Structure No. ___	Structure Invert Elevation	45 Degree Elbows Required (1 or 2)	150 mm Outlet Pipe	Outlet Station	Outlet Elevation	Outlet at Outlet Protector No. ___	Ditch Flow Line Elevation at Outlet Protector	Connect Outlet Pipe to Structure No. ___	Structure Invert Elevation	B Borrow for Structure Backfill	HMA for Underdrains	Outlet Protector No. ___	Outlet Protector Type	Location				Remarks
	100 mm	150 mm																					Outside Left	Median Left	Median Right	Outside Right	
	(m)	(m)	(m^2)	(m^3)	(Mg)	%		(Y/N)				(m)							(m^3)	(Mg)							
3+640		40		9			251.466	N																			
3+680							251.425	Y			2	7.7	3+680	251.400	OP-64	250.878			5.0		OP-64	1	X				
3+680		200		45			251.425	Y			2	7.7	3+680	251.400	OP-64	250.878			5.0								
3+880							252.493	Y			2	8	3+875	251.500	OP-65	250.407			5.1		OP-65	1	X				
3+880		200		45			252.493	Y			2	8	3+875	251.500	OP-65	250.407			5.1								
4+080							254.218	Y			2	8.6	4+080	253.000	OP-66	249.655			5.5		OP-66	1	X				
4+080		43		10			254.218	Y			2	8.6	4+080	253.000	OP-66	249.655			5.5								
4+123							254.326	N																			
4+123		31		7			254.326	N																			
4+154							254.264	Y			2	12	4+145	252.000	OP-67	248.935			7.7		OP-67	1	X				
4+208		183		41			253.845	Y			2	10.1	4+215	252.000	OP-68	248.899			6.5		OP-68	1	X				
4+391							249.950	Y			2	10.2	4+390	248.500	OP-69	246.665			6.6		OP-69	1	X				
4+391		200		45			249.950	Y			2	10.2	4+395	248.500	OP-69	246.655			6.6								
4+591							245.988	Y			2	7.9	4+590	245.880	OP-70	245.276			5.1		OP-70	1	X				
4+591		200		45			245.988	Y			2	7.9	4+590	245.880	OP-70	245.276			5.1								
4+791							244.758	Y			2	7.6	4+785	244.700	OP-71	244.475			4.9		OP-71	1	X				0.225 m freeboard
4+791		200		45			244.758	Y			2	7.6	4+785	244.700	OP-71	244.475			4.9								0.225 m freeboard
4+991							243.888	Y			2	8.1	4+990	243.600	OP-72	242.698			5.2		OP-72	1	X				
4+991		129		29			243.888	Y			2	8.1	4+990	243.600	OP-72	242.698			5.2								
5+120							242.584	N																			
5+120		18		4		0.60%	242.584	N																			
5+138							242.530	Y			2	9.4	5+140	242.450	OP-19	241.932			6.0								
5+140		93		21			242.524	Y			2	9.4	5+140	242.450	OP-20	241.932			6.0								
5+233							242.630	N																			
5+233		49		11			242.630	N																			
5+282							242.483	Y			2	9.1	5+280	242.000	OP-73	241.352			5.9		OP-73	1	X				
5+282		200		45			242.483	Y			2	9.1	5+280	242.000	OP-73	241.352			5.9								
5+482							241.604	Y			2	7.4	5+490	241.582	OP-74	241.241			4.8		OP-74	1	X				Min. 400 mm Depth of Underdrain

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER 9/28/01 DATE

DESIGNED: J.A.T. DRAWN: J.A.T.

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UNDERDRAIN TABLE

I-65 Northbound Lane Outside - Line "A" (Left)

UNDERDRAIN PIPE											OUTLET PIPE										OUTLET PROTECTORS						
Underdrain Pipe Limits	Type 4 Pipe		Geotextile for Underdrains	Aggregate for Underdrains	HMA for Underdrains	Special Grade	Flow Line Elevation @ Underdrain Pipe Limit	Outlet Pipe Required	Connect Underdrain Pipe to Structure No. ___	Structure Invert Elevation	45 Degree Elbows Required (1 or 2)	150 mm Outlet Pipe	Outlet Station	Outlet Elevation	Outlet at Outlet Protector No. ___	Ditch Flow Line Elevation at Outlet Protector	Connect Outlet Pipe to Structure No. ___	Structure Invert Elevation	B Borrow for Structure Backfill	HMA for Underdrains	Outlet Protector No. ___	Outlet Protector Type	Location				Remarks
	100 mm	150 mm																					Outside Left	Median Left	Median Right	Outside Right	
	(m)	(m)	(m^2)	(m^3)	(Mg)	%		(Y/N)				(m)							(m^3)	(Mg)							
5+482		198		45			241.604	Y			2	7.4	5+490	241.582	OP-74	241.241			4.8								Min. 400 mm Depth of Underdrain
5+680							243.296	Y			2	21.7	5+680	242.298	OP-75	241.698			14.0		OP-75	1	X				
5+680		200		45			243.296	Y			2	21.7	5+680	242.298	OP-75	241.698			14.0								
5+880							245.157	Y			2	6.4	5+880	244.700	OP-76	240.610			4.1		OP-76	1	X				
5+880		37		8			245.157	Y			2	6.4	5+880	244.700	OP-76	240.610			4.1								
5+917							245.301	N																			
5+988		36		8			245.364	N																			
6+024							245.120	Y			2	7	6+020	244.500	OP-77	240.207			4.5		OP-77	1	X				
6+024		176		40			245.120	Y			2	7	6+020	244.500	OP-77	240.207			4.5								
6+200							242.074	Y			2	6.9	6+200	241.773	OP-78	241.173			4.4		OP-78	1	X				
6+200		100		23			242.074	N																			
6+300							239.491	Y			2	17.4	6+300	238.000	OP-79	235.383			11.2		OP-79	1	X				
6+300		200		45			239.491	Y			2	17.4	6+300	238.000	OP-79	235.383			11.2								
6+500							236.214	Y			2	7.2	6+505	235.500	OP-80	235.460			4.6		OP-80	1	X				
6+500		200		45			236.214	Y			2	7.2	6+505	235.500	OP-80	235.460			4.6								
6+700							235.457	Y			2	6.6	6+700	235.160	OP-81	230.630			4.2		OP-81	1	X				
6+700		187		42			235.457	Y			2	6.5	6+700	235.160	OP-81	230.630			4.2								
6+887							234.740	Y			2	5.6	6+890	234.400	OP-82	233.468			3.6		OP-82	1	X				
6+887		69		16			234.740	Y			2	5.6	6+890	234.400	OP-82	233.468			3.6								
6+956							234.523	N																			
6+956		184		42			234.523	Y			2	6	7+000	234.200	OP-83	232.888			3.9		OP-83	1	X				
7+140							233.953	Y			2	6.4	7+140	233.500	OP-84	232.520			4.1		OP-84	1	X				
7+140		200		45			233.953	Y			2	6.4	7+140	233.500	OP-84	232.520			4.1								
7+340							233.518	Y			2	6.6	7+340	233.000	OP-85	231.596			4.2		OP-85	1	X				
7+340		200		45			233.518	Y			2	6.6	7+340	233.000	OP-85	231.596			4.2								
7+540							233.095	Y			2	8.4	7+540	232.800	OP-86	232.195			5.4		OP-86	1	X				
7+540		200		45			233.095	Y			2	8.4	7+540	232.800	OP-86	232.195			5.4								
7+740							232.659	Y			2	9	7+740	232.200	OP-87	231.427			5.8		OP-87	1	X				

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I-65 Northbound Lane Outside - Line "A" (Left)

UNDERDRAIN TABLE

UNDERDRAIN PIPE											OUTLET PIPE										OUTLET PROTECTORS						
Underdrain Pipe Limits	Type 4 Pipe		Geotextile for Underdrains	Aggregate for Underdrains	HMA for Underdrains	Special Grade	Flow Line Elevation @ Underdrain Pipe Limit	Outlet Pipe Required	Connect Underdrain Pipe to Structure No. ___	Structure Invert Elevation	45 Degree Elbows Required (1 or 2)	150 mm Outlet Pipe	Outlet Station	Outlet Elevation	Outlet at Outlet Protector No. ___	Ditch Flow Line Elevation at Outlet Protector	Connect Outlet Pipe to Structure No. ___	Structure Invert Elevation	B Borrow for Structure Backfill	HMA for Underdrains	Outlet Protector No. ___	Outlet Protector Type	Location				Remarks
	100 mm	150 mm																					Outside Left	Median Left	Median Right	Outside Right	
	(m)	(m)	(m^2)	(m^3)	(Mg)	%		(Y/N)				(m)							(m^3)	(Mg)							
7+740		200		45			232.659	Y			2	9	7+740	232.200	OP-87	231.427			5.8								
7+940							232.084	Y			2	8.5	7+940	232.058	OP-88	231.724			5.5		OP-88	1	X				0.334 m freeboard; 400 mm Depth
7+940		200		45			232.084	Y			2	8.5	7+940	232.058	OP-88	231.724			5.5								0.334 m freeboard; 400 mm Depth
8+140							230.498	Y			2	7.6	8+140	230.475	OP-89	230.000			4.9		OP-89	1	X				0.475 m freeboard; 400 mm Depth
8+140		149		34			230.498	Y			2	7.6	8+140	230.475	OP-89	230.000			4.9								0.475 m freeboard; 400 mm Depth
8+289							229.814	Y			2	7.6	8+290	229.794	OP-90	229.590			4.9		OP-90	1	X				0.204 m freeboard; 400 mm Depth
8+289		24		5			229.814	Y			2	7.6	8+290	229.794	OP-90	229.590			4.9								0.204 m freeboard; 400 mm Depth
8+313							229.832	N																			
8+376		124		28			230.193	Y			2	7.8	8+380	230.023	OP-91	229.595					OP-91						0.428 m freeboard; 400 mm Depth
8+500							231.219	Y			2	7	8+500	231.198	OP-92	230.845			4.5		OP-92	1	X				0.353 m freeboard; 400 mm Depth
8+500		120		27			231.219	Y			2	7	8+500	231.198	OP-92	230.845			4.5								0.353 m freeboard; 400 mm Depth
8+620							233.208	Y			2	5.5	8+620	232.800	OP-93	229.447			3.5		OP-93	1	X				
8+620		200		45			233.208	Y			2	5.5	8+620	232.800	OP-93	229.447			3.5								
8+820							237.240	Y			2	5.8	8+820	236.800	OP-94	227.951			3.7		OP-94	1	X				
8+894		40		9			237.914	Y			2	4	8+890	237.600	OP-95	233.161			2.6		OP-95	1	X				4.2 m Wide Shldr. @ Bridge
8+934							238.036	N																			
8+934		93		21			238.036	N																			
9+027							237.251	Y			2	4.9	9+025	236.800	OP-96	229.023			3.2		OP-96	1	X				
9+109		119		27			235.964	N																			
9+228							233.280	Y			2	15.2	9+230	233.330	OP-97	233.080			9.8		OP-97	1	X				
9+228		128		29			233.862	Y			2	22.7	9+230	233.330	OP-97	233.080			14.6								
9+356							230.677	Y			2	10	9+356		OP-98	231.359			6.4		OP-98	1	X				
11+214		26		6		1.47%	222.725	N																			
11+240							223.167	N																			
11+240		103		23			223.167	N																			
11+343							222.111	N	132A	220.790																	
11+343		69		16			222.111	N																			
11+412							220.250	N	134	220.100																	

IBRAHIM SWIDAN
REGISTERED
No. PE19600226
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER — DATE: 9/28/01

DESIGNED: J.A.T. | DRAWN: J.A.T.
CHECKED: M.A.E. | CHECKED: J.W.M.

INDIANA DEPARTMENT OF TRANSPORTATION

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UNDERDRAIN TABLE

UNDERDRAIN PIPE

OUTLET PIPE

OUTLET PROTECTORS

	Underdrain Pipe Limits	Type 4 Pipe 100 mm (m)	Type 4 Pipe 150 mm (m)	Geotextile for Underdrains (m^2)	Aggregate for Underdrains (m^3)	HMA for Underdrains (Mg)	Special Grade %	Flow Line Elevation @ Underdrain Pipe Limit	Outlet Pipe Required (Y/N)	Connect Underdrain Pipe to Structure No. ___	Structure Invert Elevation	45 Degree Elbows Required (1 or 2)	150 mm Outlet Pipe (m)	Outlet Station	Outlet Elevation	Outlet at Outlet Protector No. ___	Ditch Flow Line Elevation at Outlet Protector	Connect Outlet Pipe to Structure No. ___	Structure Invert Elevation	B Borrow for Structure Backfill (m^3)	HMA for Underdrains (Mg)	Outlet Protector No. ___	Outlet Protector Type	Location: Outside Left	Location: Median Left	Location: Median Right	Location: Outside Right	Remarks
I-65 Northbound Lane Outside - Line "A" (Left)	11+412		188		42			220.250	N	134	220.100																	
	11+600							217.072	Y			2	4.6	11+600	216.500	OP-99	213.680			3.0		OP-99	1	X				
	11+600		140		32			217.072	Y			2	4.6	11+600	216.500	OP-99	213.680			3.0								
	11+740							216.177	Y			2	4.2	11+740	215.800	OP-100	212.924			2.7		OP-100	1	X				
	11+740		200		45			216.177	Y			2	4.2	11+740	215.800	OP-100	212.924			2.7								
	11+940							218.021	Y			2	4.5	11+940	217.400	OP-101	213.692			2.9		OP-101	1	X				
	11+940		100		23			218.021	Y			2	4.5	11+940	217.400	OP-101	213.692			2.9								
	12+040							219.401	N																			
	"EBL38TH"																											
38th Street Eastbound Lane Outside - Line "EBL38TH" (Right)	5+902		187		42			236.396	Y			2	4.5	5+902	236.000	OP-102	228.445			2.9		OP-102	1				X	
	6+089							232.176	Y			2	2.8	6+089	232.000	OP-103	228.725			1.8		OP-103	1				X	
	6+089		178		40			232.176	Y			2	2.8	6+089	232.000	OP-103	228.725			1.8								
	6+267							*	N																			* Match Existing Underdrain
	6+280		189		43			*	N																			* Match Existing Underdrain
	6+469							228.440	Y			2	6.6	6+469	228.250	OP-104	227.650			4.2		OP-104	1				X	
	6+469		200		45			228.440	Y			2	6.6	6+469	228.250	OP-104	227.650			4.2								
	6+669							227.799	Y			2	6.5	6+669	227.586	OP-105	226.986			4.2		OP-105	1				X	
	6+669		200		45			227.799	Y			2	6.5	6+669	227.586	OP-105	226.986			4.2								
	6+869							227.146	Y			2	10.1	6+869	226.750	OP-106	226.073			6.5		OP-106	1				X	
	6+869		62		14			227.146	N																			
	6+931							226.883	Y			2	6.2	6+931	226.586	OP-107	225.986			4.0		OP-107	1				X	
	6+936		88		20			226.854	N																			
	7+024							226.237	Y			2	17.7	7+024	226.057	OP-108	225.457			11.4		OP-108	1				X	
	7+027		200		45			*	N																			* Match Existing Underdrain
	7+227							224.419	Y			2	7.4	7+227	224.200	OP-109	223.425			4.8		OP-109	1				X	
	7+227		100		23			224.419	N																			
	7+327							223.129	Y			2	10.1	7+327	223.098	OP-110	222.868			6.5		OP-110	1				X	0.230 m freeboard
	7+327		117		26			223.129	Y			2	10.1	7+327	223.098	OP-110	222.868			6.5								0.230 m freeboard
	7+444							221.921	N																			

IBRAHIM SWIDAN
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STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 9/28/01 DATE

DESIGNED: J.A.T. | DRAWN: J.A.T.

CHECKED: M.A.E. | CHECKED: J.W.M.

INDIANA DEPARTMENT OF TRANSPORTATION

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UNDERDRAIN TABLE

	UNDERDRAIN PIPE										OUTLET PIPE										OUTLET PROTECTORS						
	Underdrain Pipe Limits	Type 4 Pipe 100 mm (m)	Type 4 Pipe 150 mm (m)	Geotextile for Underdrains (m^2)	Aggregate for Underdrains (m^3)	HMA for Underdrains (Mg)	Special Grade %	Flow Line Elevation @ Underdrain Pipe Limit	Outlet Pipe Required (Y/N)	Connect Underdrain Pipe to Structure No. ___	Structure Invert Elevation	45 Degree Elbows Required (1 or 2)	150 mm Outlet Pipe (m)	Outlet Station	Outlet Elevation	Outlet at Outlet Protector No. ___	Ditch Flow Line Elevation at Outlet Protector	Connect Outlet Pipe to Structure No. ___	Structure Invert Elevation	B Borrow for Structure Backfill (m^3)	HMA for Underdrains (Mg)	Outlet Protector No. ___	Outlet Protector Type	Location: Outside Left	Location: Median Left	Location: Median Right	Location: Outside Right	Remarks
38th Street Eastbound Lane Outside Line "EBL38TH" (Right)	7+444		76		17		1.07%	221.921	N																		
	7+520							222.108	Y			2	3.2	7+520	222.098	OP-111	222.071			2.1		OP-111	1				X	0.027 m freeboard
	7+520		77		17		0.20%	222.108	Y			2	3.2	7+520	222.098	OP-111	222.071			2.1								0.027 m freeboard
	7+597							222.210	N																			400 mm min. U/D depth
	7+597		84		19			222.210	Y			2	5.1	7+597	221.700	OP-112	220.211			3.3		OP-112	1				X	400 mm min. U/D depth
	7+681							222.913	N																			
	7+743		155		35			225.467	Y			2	6.8	7+743	225.000	OP-113	217.127			4.4		OP-113	1				X	
	7+898							228.941	N																			
	8+007		93		21		0.10%	229.960	Y			2	8.4	8+007	229.600	OP-114	223.452			5.4		OP-114	1				X	
	8+100							228.890	Y			2	6.7	8+100	228.873	OP-115	228.673			4.3		OP-115	1				X	0.200 m freeboard
38th Street Eastbound Lane Inside Median - Line "EBL38TH" (Left)	6+039		150		34			233.422	N																			
	6+189							229.947	Y			2	32.8	6+189	229.500	OP-116	228.790			21.1		OP-116	1				X	
	6+189		200		45			229.947	Y			2	32.8	6+189	229.500	OP-116	228.790			21.1								
	6+389							228.809	N	101	228.599																	
	6+389		200		45			228.809	N	101	228.599																	
	6+589							228.033	N	104	227.723																	
	6+589		200		45			228.033	N	104	227.723																	
	6+789							227.257	N	107	227.047																	
	6+789		200		45			227.257	N	107	227.047																	
	6+989							225.806	N	115	225.646																	
	6+989		200		45			225.806	N	115	225.646																	
	7+189							223.897	N	118	222.518																	
	7+189		140		32			223.897	N	118	222.518																	
	7+329							222.916	N	121	222.518																	
	7+329		85		19			222.916	N	121	222.518																	
	7+414							222.600	N	123	221.852																	
	7+446		54		12			222.633	N																			Min. Underdrain Depth
	7+500							222.601	Y			2	10	7+500	222.583	OP-117	223.179			6.4		OP-117	1	X				Min. Underdrain Depth / 0.250 m freeboard

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

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CHECKED: M.A.E. CHECKED: J.W.M.

INDIANA DEPARTMENT OF TRANSPORTATION

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UNDERDRAIN TABLE

	UNDERDRAIN PIPE										OUTLET PIPE										OUTLET PROTECTORS						
	Underdrain Pipe Limits	Type 4 Pipe 100 mm (m)	Type 4 Pipe 150 mm (m)	Geotextile for Underdrains (m^2)	Aggregate for Underdrains (m^3)	HMA for Underdrains (Mg)	Special Grade %	Flow Line Elevation @ Underdrain Pipe Limit	Outlet Pipe Required (Y/N)	Connect Underdrain Pipe to Structure No. ___	Structure Invert Elevation	45 Degree Elbows Required (1 or 2)	150 mm Outlet Pipe (m)	Outlet Station	Outlet Elevation	Outlet at Outlet Protector No. ___	Ditch Flow Line Elevation at Outlet Protector	Connect Outlet Pipe to Structure No. ___	Structure Invert Elevation	B Borrow for Structure Backfill (m^3)	HMA for Underdrains (Mg)	Outlet Protector No. ___	Outlet Protector Type	Location: Outside Left	Location: Median Left	Location: Median Right	Location: Outside Right	Remarks
38th Street Eastbound Lane Inside Median - Line "EBL38TH" (Left)	7+500		97		22		1.17%	222.601	N																		Min. Underdrain Depth
	7+597							221.470	Y			2	7.4	7+597	221.000	OP-118	218.612			4.8		OP-118	1	X				
	7+597		80		18			221.470	Y			2	7.4	7+597	221.000	OP-118	218.612			4.8							
	7+677							222.205	N																		
	7+741		144		33			223.939	Y			2	7.8	7+741	223.000	OP-119	217.359			5.0		OP-119	1	X				
	7+885							228.123	Y			2	3.2	7+885	228.000	OP-120	xx			2.1		OP-120	1	X				
	7+995		135		31		0.31%	229.094	Y			2	15.5	7+995	228.500	OP-121	225.536			10.0		OP-121	1	X				
	8+130							228.677	Y			2	7.6	8+130	228.654	OP-122	228.931			4.9		OP-122	1	X				
	8+130		30		7		1.17%	228.677	Y			2	7.6	8+130	228.654	OP-122	217.359			4.9							
	8+160							228.712	N																		Min. Underdrain Depth
38th Street Eastbound Lane Inside - Line "EBL38TH" (Left) (Under Concrete Median Barrier With Footing-Right Side of Median)	6+909		80		18			226.916	N																		
	6+989							226.443	N	115	225.546																
	6+989		200		45			226.443	N	115	225.546																
	7+189							224.722	N	118	222.518																
	7+189		80		18			224.722	N	118	222.518																
	7+269							223.486	Y			2	29.3	7+269	223.386	OP-123	223.086			18.8		OP-123	1				X	
	"38-NER"																										
Ramp from Northbound I-65 to Westbound 38th Street - Line "38-NER" (Left-Median)	0+133		15		3		0.30%	222.717	N																		Spl. Grade req'd. to outlet to Str. No. 129
	0+148							222.672	N																		
	0+148		84		19		2.59%	222.672	N																		
	0+232							220.500	N	130	220.098																
	0+232		128		29		0.17%	220.500	N	130	220.098																
	0+360							220.716	N																		Connect to Underdrain at 7+798 "WBL38TH-B" - Inside
Ramp from Northbound I-65 to Westbound 38th Street - Line "38-NER" (Right-Outside)	0+133		15		3		0.14%	222.725	N																		Spl. Grade req'd. to outlet to Str. No. 129
	0+148							222.704	N																		
	0+148		84		19		2.77%	222.704	N																		
	0+232							220.380	N	130	220.098																
	0+232		128		29		0.30%	220.380	N	130	220.098																Spl. Grade req'd. to outlet to Str. No. 129
	0+360							220.766	N																		

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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER 9/28/01 DATE

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UNDERDRAIN TABLE

	Underdrain Pipe Limits	UNDERDRAIN PIPE: Type 4 Pipe 100 mm (m)	Type 4 Pipe 150 mm (m)	Geotextile for Underdrains (m^2)	Aggregate for Underdrains (m^3)	HMA for Underdrains (Mg)	Special Grade %	Flow Line Elevation @ Underdrain Pipe Limit	Outlet Pipe Required (Y/N)	Connect Underdrain Pipe to Structure No. ___	Structure Invert Elevation	OUTLET PIPE: 45 Degree Elbows Required (1 or 2)	150 mm Outlet Pipe (m)	Outlet Station	Outlet Elevation	Outlet at Outlet Protector No. ___	Ditch Flow Line Elevation at Outlet Protector	Connect Outlet Pipe to Structure No. ___	Structure Invert Elevation	B Borrow for Structure Backfill (m^3)	HMA for Underdrains (Mg)	OUTLET PROTECTORS: Outlet Protector No. ___	Outlet Protector Type	Location: Outside Left	Median Left	Median Right	Outside Right	Remarks
	"38-NWR"																											
Line "38-NWR" Outside Shoulder	0+118		32		7		0.20%	229.914	N																			
	0+150							229.850	Y			2	27	0+150	229.300	OP-124	228.684			17.4		OP-124	1				X	
	0+152		39		9		2.32%	229.850	Y			2	27	0+152	229.300	OP-125	228.684			17.4		OP-125	1		1		X	Match Underdrain Elev. at Line "A" NBL Outside at 9+356
	0+191							230.677	N																			
	"38-NWR"																											
Line "38-NWR" Inside Median	0+046		145		33		1.16%	229.152	N																			Connect to Underdrain at Line "WBL38TH-B at Inside Median; Outlets at Str. No. 100
	0+191							230.828	N																			
	"WBL38TH-B"																											
Westbound 38th Street Inside Median - Line "WBL38TH-B" (Right)	6+296		25		6			229.152	N																			Connect to Underdrain on "38-NWR" Inside Median (Left)
	6+321							229.037	N	100	228.890																	
	6+321		175		40		-0.35%	229.037	N	100	228.890																	
	6+496							228.419	N	103	228.069																	
	6+496		175		40			228.419	N	103	228.069																	
	6+671							227.352	N	106	227.142																	
	6+671		125		28			227.352	N	106	227.142																	
	6+796							227.254	N	109	226.904																	
Westbound 38th Street Inside Median - Line "WBL38TH-B" (Right) (Under Concrete Median Barrier With Footing-Left Side of Median)	6+796		177		40		-0.38%	227.254	N	109	226.904																	
	6+973							226.588	N	114	225.631																	
	6+973		198		45			226.588	N	114	225.631																	
	7+171							224.932	N	117	223.745																	
	7+171		174		39			224.932	N	117	223.745																	
	7+345							223.481	N	120	222.449																	
	7+345		154		35		0.99%	223.481	N	120	222.449																	
	7+499							221.953	N	124	221.000																	
	7+499		122		28		1.06%	221.953	N	124	221.000																	
	7+621							220.662	N	125	220.350																	

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UNDERDRAIN TABLE

	UNDERDRAIN PIPE										OUTLET PIPE										OUTLET PROTECTORS						
	Underdrain Pipe Limits	Type 4 Pipe 100 mm (m)	Type 4 Pipe 150 mm (m)	Geotextile for Underdrains (m^2)	Aggregate for Underdrains (m^3)	HMA for Underdrains (Mg)	Special Grade %	Flow Line Elevation @ Underdrain Pipe Limit	Outlet Pipe Required (Y/N)	Connect Underdrain Pipe to Structure No. ___	Structure Invert Elevation	45 Degree Elbows Required (1 or 2)	150 mm Outlet Pipe (m)	Outlet Station	Outlet Elevation	Outlet at Outlet Protector No. ___	Ditch Flow Line Elevation at Outlet Protector	Connect Outlet Pipe to Structure No. ___	Structure Invert Elevation	B Borrow for Structure Backfill (m^3)	HMA for Underdrains (Mg)	Outlet Protector No. ___	Outlet Protector Type	Location: Outside Left	Location: Median Left	Location: Median Right	Location: Outside Right	Remarks
Westbound 38th Street Inside Median - Line "WBL38TH-B" (Right) (Under Concrete Median Barrier With Footing-Left Side of Median)	7+621		29		7			220.662	N	125	220.350																	
	7+650							220.454	N																			Outlet to Crooked Creek at the Bridge
	7+710		88		20			220.427	N																			Outlet to Crooked Creek at the Bridge
	7+798							220.716	N																			Connect to Underdrain on "38-NER" Inside Median (Left)
Westbound 38th Street Inside Median - Line "WBL38TH-B" (Right) (Under Concrete Median Barrier With Footing-Right Side of Median)	6+916		57		13			226.573	N																			
	6+973							226.031	N	114	225.731																	
	6+973		198		45			226.031	N	114	225.731																	
	7+171							224.027	N	117	223.845																	
	7+171		174		39			224.027	N	117	223.845																	
	7+345							222.974	N	120	222.549																	
	7+345		11		2			222.974	N	120	222.549																	
	7+356							222.915	Y			2	45.6	7+356	222.000	OP-126	221.083					OP-126	1				X	
	"WBL38TH-B"																											
Westbound 38th Street Outside - Line "WBL38TH-B" (Left)	6+298		200		45			*	Y																			* Match Existing Underdrain
	6+498							228.369	Y			2	7	6+500	228.000	OP-127	227.336			4.5		OP-127	1	X				
	6+498		198		45			228.369	Y			2	7	6+500	228.000	OP-127	227.336			4.5								
	6+696							227.776	Y			2	7.3	6+696	227.300	OP-128	226.673			4.7		OP-128	1	X				
	6+696		190		43			227.776	Y			2	7.3	6+696	227.300	OP-128	226.673			4.7								
	6+886							*	Y																			* Match Existing Underdrain
	6+888		96		22			227.308	N																			
	6+984							226.616	Y			2	14.6	6+980	226.521	OP-129	225.921			9.4		OP-129	1	X				
	6+988		188		42			*	Y																			* Match Existing Underdrain
	7+176							224.906	Y			2	20.4	7+170	224.000	OP-130	222.907			13.1		OP-130	1	X				
	7+176		200		45		0.79%	224.906	Y			2	20.4	7+170	224.000	OP-130	222.907			13.1								
	7+376							223.317	Y			2	18.6	7+370	223.000	OP-131	221.050			12.0		OP-131	1	X				
	7+376		200		45		1.06%	223.317	Y			2	18.6	7+370	223.000	OP-131	221.050			12.0								
	7+576							221.207	Y			2	20	7+580	221.000	OP-132	220.430			12.9		OP-132	1	X				
	7+576		68		15			221.207	N																			
	7+644							220.564	Y			2	18	7+650	220.000	OP-133	217.412			11.6		OP-133	1	X				

IBRAHIM M. SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 9/28/01 DATE

DESIGNED: J.A.T. | DRAWN: J.A.T.

CHECKED: M.A.E. | CHECKED: J.W.M.

INDIANA DEPARTMENT OF TRANSPORTATION

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UNDERDRAIN TABLE

	Underdrain Pipe Limits	UNDERDRAIN PIPE: Type 4 Pipe 100 mm (m)	Type 4 Pipe 150 mm (m)	Geotextile for Underdrains (m^2)	Aggregate for Underdrains (m^3)	HMA for Underdrains (Mg)	Special Grade %	Flow Line Elevation @ Underdrain Pipe Limit	Outlet Pipe Required (Y/N)	Connect Underdrain Pipe to Structure No. ___	Structure Invert Elevation	OUTLET PIPE: 45 Degree Elbows Required (1 or 2)	150 mm Outlet Pipe (m)	Outlet Station	Outlet Elevation	Outlet at Outlet Protector No. ___	Ditch Flow Line Elevation at Outlet Protector	Connect Outlet Pipe to Structure No. ___	Structure Invert Elevation	B Borrow for Structure Backfill (m^3)	HMA for Underdrains (Mg)	OUTLET PROTECTORS: Outlet Protector No. ___	Outlet Protector Type	Location: Outside Left	Median Left	Median Right	Outside Right	Remarks
	"WBL38TH-A"																											
Westbound 38th Street Inside - Line "WBL38TH-A" (Left)	1+066		22		5		0.30%	230.263	N																			
	1+088							230.197	Y			2	12.9	1+088	230.105	OP-134	229.505			8.3		OP-134	1	X				
	1+088		142		32		1.94%	230.197	Y			2	12.9	1+088	230.105	OP-134	229.505			8.3								
	1+230							232.952	Y			2	15	1+230	232.852	OP-135	232.252			9.6		OP-135	1	X				
	1+230		163		37			232.952	Y			2	15	1+230	232.852	OP-135	232.252			9.6								
	1+393							236.687	Y			2	15.6	1+393	236.000	OP-136	230.077			10.0		OP-136	1				X	Outlet to Right Side
Westbound 38th Street Outside - Line "WBL38TH-A" (Right)	1+007		200		45			229.297	Y			2	7	1+007	228.900	OP-137	228.288			4.5		OP-137	1				X	
	1+207							232.267	Y			2	4.5	1+207	232.000	OP-138	229.061			2.9		OP-138	1				X	
	1+207		186		42			232.267	Y			2	4.5	1+207	232.000	OP-138	229.061			2.9								
	1+393							237.245	Y			2	2.3	1+393	237.000	OP-139	230.077			1.5		OP-139	1				X	
	"US52-SWC"																											
Line "US52-SWC" - Right	0+052		158		36			244.117	Y			2	7.7	0+052	243.700	OP-140	240.460			5.0		OP-140	1				X	
	0+210							242.677	Y			2	7.2	0+210	242.200	OP-141	240.198			4.6		OP-141	1				X	
Line "US52-SWC" - Left	0+210		200		45			242.677	Y			2	7	0+210	242.200	OP-142	240.835			4.5		OP-142	1	X				
	0+410							240.004	Y			2	10.2	0+410	239.700	OP-143	239.248			6.6		OP-143	1	X				
	0+410		60		14			240.004	N																			
	0+470							239.142	Y			2	10	0+470	*	OP-144	239.339			6.4		OP-144	1	X				* Connect to Exist. Underdrain on "S-4-A"
	"US52-SEC"																											
Line "US52-SEC" - Right	0+034		142		32			238.826	Y			2	12.3	0+034	238.500	OP-145	237.809			7.9		OP-145	1				X	
	0+176							240.218	N																			
	0+176		81		18			240.218	N																			
	0+257							239.104	Y			2	6.8	0+257	238.800	OP-146	235.168			4.4		OP-146	1				X	
	"US2-NEC"																											
Line "US52-NEC" - Right	0+044		145		33			239.975	Y			2	6.9	0+044	239.500	OP-147	236.251			4.4		OP-147	1				X	
	0+189							241.182	Y			2	6.7	0+189	240.800	OP-148	238.558			4.3		OP-148	1				X	
	0+189		39		9			241.182	N																			
	0+228							241.195	Y			2	6.8	0+228	240.800	OP-149	239.784			4.4		OP-149	1				X	

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UNDERDRAIN TABLE

	UNDERDRAIN PIPE										OUTLET PIPE										OUTLET PROTECTORS						
	Underdrain Pipe Limits	Type 4 Pipe 100 mm (m)	Type 4 Pipe 150 mm (m)	Geotextile for Underdrains (m^2)	Aggregate for Underdrains (m^3)	HMA for Underdrains (Mg)	Special Grade %	Flow Line Elevation @ Underdrain Pipe Limit	Outlet Pipe Required (Y/N)	Connect Underdrain Pipe to Structure No. ___	Structure Invert Elevation	45 Degree Elbows Required (1 or 2)	150 mm Outlet Pipe (m)	Outlet Station	Outlet Elevation	Outlet at Outlet Protector No. ___	Ditch Flow Line Elevation at Outlet Protector	Connect Outlet Pipe to Structure No. ___	Structure Invert Elevation	B Borrow for Structure Backfill (m^3)	HMA for Underdrains (Mg)	Outlet Protector No. ___	Outlet Protector Type	Location: Outside Left	Location: Median Left	Location: Median Right	Location: Outside Right	Remarks
Line "US52-NEC" - Left	0+228		172		39			241.195	Y			2	7.3	0+228	240.800	OP-150	238.713			4.7		OP-150	1	X				
	0+400							240.055	Y			2	7.4	0+400	240.033	OP-151	239.827			4.8		OP-151	1	X				0.206 m freeboard; 400 mm Depth
	0+400		23		5			240.055	Y			2	7.4	0+400	240.033	OP-151	239.827			4.8								0.206 m freeboard; 400 mm Depth
	0+423							240.515	N																			
	"US52-NWC"																											
Line "US52-NWC" - (Right)	0+028		175		40			240.359	Y			2	10	0+028	*	OP-152	241.332			6.4		OP-152	1				X	* Connect to Exist. Underdrain on "S-4-A"
	0+203							242.504	Y			2	8.2	0+203	242.300	OP-153	241.700			5.3		OP-153	1				X	
	"7-P"																											
Line "7-P" - (Right - Inside Loop)	19+941		199		45			*	N																			* Connect to Existing Underdrain
	20+140							259.777	Y			2	8.3	20+140	259.400	OP-154	257.078			5.3		OP-154	1				X	
	20+140		119		27			259.777	Y			2	8.3	20+140	259.400	OP-154	257.078			5.3								
	20+259							262.583	N																			
	"PR-8P"																											
Ramp from Northbound I-65 to Northbound I-465 Outside - Lines "PR-8P" and "8-P" (Right)	0+131		50		11			258.560	Y			2	6.3	0+131	258.300	OP-155	254.265			4.1		OP-155	1				X	
	0+181							258.904	N																			
	0+181		53		12			258.904	N																			
	0+234							258.448	Y			2	7.2	0+234	258.000	OP-156	254.936			4.6		OP-156	1				X	
	"8-P"																											
	19+743		77		17		3.94%	258.448	N																			Connect to "PR-8P" Underdrain at 0+234
	19+820							255.411	Y			2	8.5	19+820	255.386	OP-157	255.329			5.5		OP-157	1				X	
	19+820		65		15		0.30%	255.411	Y			2	8.5	19+820	255.386	OP-157	255.329			5.5								
	19+885							255.606	N																			
	19+885		15		3			255.606	N																			
	19+900							255.667	N																			
	"5-P"																											
I-65 Southbound Lane Inside - Lines "5-P" and "PR-5P" (Left)	23+174		10		2			*	N																			* Connect to Existing Underdrain
	23+184							259.264	N																			Connect to "PR-5P" Underdrain at 123+184
	"PR-5P"																											
	123+184		107		24			259.264	N																			Connect to "5-P" Underdrain at 23+184
	123+291							260.493	N																			
	123+291		167		38			260.493	Y			2	3.8	123+291	260.200	OP-158	258.710			2.4		OP-158	1		X			
	123+458							262.971	Y			2	3	123+458	262.700	OP-159	257.481			1.9		OP-159	1		X			

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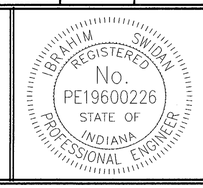
UNDERDRAIN TABLE

	UNDERDRAIN PIPE										OUTLET PIPE										OUTLET PROTECTORS						
	Underdrain Pipe Limits	Type 4 Pipe		Geotextile for Underdrains	Aggregate for Underdrains	HMA for Underdrains	Special Grade	Flow Line Elevation @ Underdrain Pipe Limit	Outlet Pipe Required	Connect Underdrain Pipe to Structure No. ___	Structure Invert Elevation	45 Degree Elbows Required (1 or 2)	150 mm Outlet Pipe	Outlet Station	Outlet Elevation	Outlet at Outlet Protector No. ___	Ditch Flow Line Elevation at Outlet Protector	Connect Outlet Pipe to Structure No. ___	Structure Invert Elevation	B Borrow for Structure Backfill	HMA for Underdrains	Outlet Protector No. ___	Outlet Protector Type	Location				Remarks
		100 mm	150 mm																								
		(m)	(m)	(m^2)	(m^3)	(Mg)	%		(Y/N)				(m)							(m^3)	(Mg)			Outside Left	Median Left	Median Right	Outside Right	
I-65 Southbound Lane Inside - Lines "5-P" and "PR-5P" (Left)	123+513		87		20			263.267	N																		
	123+600							262.767	Y			2	3.5	123+600	262.400	OP-160	256.624			2.3		OP-160	1		X			
	123+600		103		23			262.767	N																		
	123+703							261.821	Y			2	4.5	123+703	261.400	OP-161	258.889			2.9		OP-161	1		X			
	123+703		67		15			261.821	Y			2	4.5	123+703	261.400	OP-161	258.889			2.9								
	123+770							262.169	N																		
	"6-P"																										
I-65 Northbound Lane Inside - Line "6-P" (Right)	23+030		110		25			259.999	N																		
	23+140							259.517	Y			2	16	23+140	259.394	OP-162				10.3		OP-162	3	X				Outlet to Left Side; 0.222 m freeboard
	23+142		200		45		0.51%	259.508	Y			2	16	23+142	259.394	OP-163				10.3		OP-163	3	X				Outlet to Left Side; 0.233 m freeboard
	23+342							258.484	Y			2	7	23+342	258.400	OP-164				4.5		OP-164	1			X		
	23+342		125		28			258.484	Y			2	7	23+342	258.400	OP-164				4.5			1			X		
	23+467							258.005	Y			2	7	23+467	257.919	OP-165				4.5		OP-165	1			X		
	23+467		200		45			258.484	Y			2	7	23+467	257.919	OP-165				4.5			1			X		
	23+667							260.843	Y			2	7	23+667	260.822	OP-166				4.5		OP-166	1			X		
	23+667		79		18			260.843	Y			2	7	23+667	260.822	OP-166				4.5			1			X		
	23+746							261.793	N																		
	"A"																										
I-65 Southbound Lane - Median (Under Modified Conc. Barrier - Right) Line "A"	2+587		118		27			261.793	Y			2	7	2+587	261.760	OP-167				4.5		OP-167	1			X		
	2+705							262.509	N																		
	3+335		100		23			252.605	N																		
	3+435							252.536	N	18	252.029																
	3+435		100		23			252.536	N																		
	3+535							252.240	N	19	251.692																
	3+535		100		23			252.240	N																		
	3+635							251.919	N	20	251.431																
	3+635		45		10			251.919	N																		
	3+680.110							251.864	N	21	251.376																
	3+680.110		43		10			251.864	N	21	251.376																
	3+723							251.914	N																		



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UNDERDRAIN TABLE

I-65 Southbound Lane - Median (Under Modified Conc. Barrier - Right)
Line "A"

UNDERDRAIN PIPE											OUTLET PIPE										OUTLET PROTECTORS						
Underdrain Pipe Limits	Type 4 Pipe		Geotextile for Underdrains	Aggregate for Underdrains	HMA for Underdrains	Special Grade	Flow Line Elevation @ Underdrain Pipe Limit	Outlet Pipe Required	Connect Underdrain Pipe to Structure No. ___	Structure Invert Elevation	45 Degree Elbows Required (1 or 2)	150 mm Outlet Pipe	Outlet Station	Outlet Elevation	Outlet at Outlet Protector No. ___	Ditch Flow Line Elevation at Outlet Protector	Connect Outlet Pipe to Structure No. ___	Structure Invert Elevation	B Borrow for Structure Backfill	HMA for Underdrains	Outlet Protector No. ___	Outlet Protector Type	Location				Remarks
	100 mm	150 mm																					Outside Left	Median Left	Median Right	Outside Right	
	(m)	(m)	(m^2)	(m^3)	(Mg)	%		(Y/N)				(m)							(m^3)	(Mg)							
3+723		87		20			251.914	N	22	251.426																	
3+810							252.323	N																			
3+810		190		43			252.323	N	24	251.975																	
4+000							253.928	Y			2	23	4+000	253.859	OP-168	251.200			14.8		OP-168	1				X	Outlet to Right Side
4+000		43		10			253.928	Y			2	23	4+000	253.859	OP-168	251.200			14.8								Outlet to Right Side
4+043							254.245	N																			
5+121.101		47		11			242.964	N	34	242.664																	
5+168							243.180	N																			
5+168		65		15			243.180	N	35	242.994																	
5+233							243.097	N																			
5+233		117		26			243.097	N																			
5+350							242.691	Y			2	28	5+350	242.600	OP-169	241.850					OP-169	1	X				Outlet to Left Side
5+350		88		20			242.691	N																			
5+438							242.358	N	38	242.290																	
5+438		44		10			242.358	N																			
5+482							242.298	N	40	242.000																	
5+482		43		10			242.298	N	40	242.000																	
5+525							242.356	N																			
5+525		75		17			242.356	N	43	242.288																	
5+600							242.736	N																			
5+600		150		34			242.736	N	46	242.586																	
5+750							244.176	Y			2	25	5+750	244.100	OP-170	243.100					OP-170	1	X				Outlet to Left Side
5+750		100		23			244.176	Y			2	25	5+750	244.100	OP-170	243.100											Outlet to Left Side
5+850							245.276	N																			
5+850		86		19			245.276	Y			2	26	5+850	245.198	OP-171	240.500					OP-171	1	X				Outlet to Left Side
5+936							245.887	N																			
6+225		60		14			241.730	N																			
6+285							240.073	N	56	239.763																	

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UNDERDRAIN TABLE

I-65 Southbound Lane - Median (Under Modified Conc. Barrier - Right)
Line "A"

UNDERDRAIN PIPE											OUTLET PIPE										OUTLET PROTECTORS						
Underdrain Pipe Limits	Type 4 Pipe		Geotextile for Underdrains	Aggregate for Underdrains	HMA for Underdrains	Special Grade	Flow Line Elevation @ Underdrain Pipe Limit	Outlet Pipe Required	Connect Underdrain Pipe to Structure No. ___	Structure Invert Elevation	45 Degree Elbows Required (1 or 2)	150 mm Outlet Pipe	Outlet Station	Outlet Elevation	Outlet at Outlet Protector No. ___	Ditch Flow Line Elevation at Outlet Protector	Connect Outlet Pipe to Structure No. ___	Structure Invert Elevation	B Borrow for Structure Backfill	HMA for Underdrains	Outlet Protector No. ___	Outlet Protector Type	Location				Remarks
	100 mm	150 mm																					Outside Left	Median Left	Median Right	Outside Right	
	(m)	(m)	(m^2)	(m^3)	(Mg)	%		(Y/N)				(m)							(m^3)	(Mg)							
6+285		35		8			240.073	N																			
6+320							239.186	N	57	239.030																	
6+320		30		7			239.186	N																			
6+350							238.528	N	58	238.228																	
6+350		30		7			238.528	N																			
6+380							237.975	N	59	237.823																	
6+380		30		7			237.975	N																			
6+410							237.445	N	60	237.295																	
6+410		30		7			237.445	N																			
6+440							236.977	N	61	236.827																	
6+440		30		7			236.977	N																			
6+470							236.844	N	62	235.688																	
6+470		30		7			236.844	N																			
6+500							236.357	N	64	236.207																	
6+500		30		7			236.357	N																			
6+530							236.204	N	65	236.054																	
6+530		30		7			236.204	N																			
6+560							236.132	N	66	235.982																	
6+560		30		7			236.132	N																			
6+590							236.067	N	67	235.179																	
6+590		50		11			236.067	N																			
6+640							235.958	N	69	235.000																	
6+640		85		19			235.958	N																			
6+725							235.768	N	70	234.840																	
6+725		75		17			235.768	N																			
6+800							235.445	N	72	234.470																	
6+800		86		19			235.445	N																			
6+886							235.135	N	74	234.090																	

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UNDERDRAIN TABLE

UNDERDRAIN PIPE

OUTLET PIPE

OUTLET PROTECTORS

	Underdrain Pipe Limits	Type 4 Pipe 100 mm (m)	Type 4 Pipe 150 mm (m)	Geotextile for Underdrains (m^2)	Aggregate for Underdrains (m^3)	HMA for Underdrains (Mg)	Special Grade %	Flow Line Elevation @ Underdrain Pipe Limit	Outlet Pipe Required (Y/N)	Connect Underdrain Pipe to Structure No. ___	Structure Invert Elevation	45 Degree Elbows Required (1 or 2)	150 mm Outlet Pipe (m)	Outlet Station	Outlet Elevation	Outlet at Outlet Protector No. ___	Ditch Flow Line Elevation at Outlet Protector	Connect Outlet Pipe to Structure No. ___	Structure Invert Elevation	B Borrow for Structure Backfill (m^3)	HMA for Underdrains (Mg)	Outlet Protector No. ___	Outlet Protector Type	Location: Outside Left	Location: Median Left	Location: Median Right	Location: Outside Right	Remarks
I-65 Southbound Lane - Median (Under Modified Conc. Barrier - Right) Line "A"	6+886		64		14			235.135	N																			
	6+950							234.946	N	75	234.370																	
	6+950		150		34			234.946	N	75	234.370																	
	7+100							234.381	N	76	234.231																	
	8+410		65		15			230.360	N	88	230.210																	
	8+475							231.019	N																			
	8+475		90		20			231.019	N	89	230.859																	
	8+565							232.114	N																			
	8+565		110		25			232.114	N	90A	231.956																	
	8+675							234.236	N																			
	8+675		126		28			234.236	Y			2	25	8+675	234.161	OP-172	228.800					OP-172	1	X				Outlet to Left Side
	8+801							236.347	Y			2	25	8+801	236.272	OP-173	228.000					OP-173	1	X				Outlet to Left Side
	8+881		53		12		0.20%	237.641	Y			3	35	8+905	237.700	OP-174	233.000					OP-174	1	X				Outlet to Left Side
	8+934							237.747	N																			
	8+934		86		19			237.747	N																			
	9+020							237.444	N	94	237.284																	
	9+020		10		2			237.444	N	94	237.284																	Spl. Grade req'd. to outlet to Str. No. 94
	9+030							237.464	N																			
	9+113		137		31			235.935	N																			
	9+250							232.801	N	96	232.580																	
	9+250		150		34			232.801	N	96	232.580																	
	9+400							230.099	N	97	229.949																	
I-65 Northbound Lane - Median (Under Modified Conc. Barrier - Left) Line "A"	2+587		118		27			261.800	Y			2	8	2+587	261.776	OP-175	261.500			5.1		OP-175	1		X			0.276 m freeboard
	2+705							262.511	N																			
	3+335		100		23			252.605	N																			
	3+435							252.279	N	18	252.129																	
	3+435		100		23			252.279	N																			
	3+535							251.955	N	19	251.792																	

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 9/28/01 DATE

DESIGNED: J.A.T. | DRAWN: J.A.T.

CHECKED: M.A.E. | CHECKED: J.W.M.

INDIANA DEPARTMENT OF TRANSPORTATION

MISC. TABLES

HORIZONTAL SCALE	BRIDGE FILE
NONE	
VERTICAL SCALE	DESIGNATION
NONE	9614680
SURVEY BOOK	SHEETS
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UNDERDRAIN TABLE

I-65 Northbound Lane - Median (Under Modified Conc. Barrier - Left)
Line "A"

UNDERDRAIN PIPE											OUTLET PIPE										OUTLET PROTECTORS						
Underdrain Pipe Limits	Type 4 Pipe		Geotextile for Underdrains	Aggregate for Underdrains	HMA for Underdrains	Special Grade	Flow Line Elevation @ Underdrain Pipe Limit	Outlet Pipe Required	Connect Underdrain Pipe to Structure No. ___	Structure Invert Elevation	45 Degree Elbows Required (1 or 2)	150 mm Outlet Pipe	Outlet Station	Outlet Elevation	Outlet at Outlet Protector No. ___	Ditch Flow Line Elevation at Outlet Protector	Connect Outlet Pipe to Structure No. ___	Structure Invert Elevation	B Borrow for Structure Backfill	HMA for Underdrains	Outlet Protector No. ___	Outlet Protector Type	Location				Remarks
	100 mm	150 mm																					Outside Left	Median Left	Median Right	Outside Right	
	(m)	(m)	(m^2)	(m^3)	(Mg)	%		(Y/N)				(m)							(m^3)	(Mg)							
3+535		100		23			251.955	N																			
3+635							251.631	N	20	251.331																	
3+635		45		10			251.631	N																			
3+680.110							251.576	N	21	251.276																	
3+680.110		43		10			251.576	N	21	251.276																	
3+723							251.626	N																			
3+723		87		20			251.626	N	22	251.326																	
3+810							252.035	N																			
3+810		200		45			252.035	N	24	251.875																	
4+010							253.922	Y			2	25	4+010	253.847	OP-176	250.100			16.1		OP-176	1	X				
4+010		30		7			253.922	Y			2	25	4+010	253.847	OP-176	250.100			16.1								
4+040							254.216	N																			
5+121.101		47		11			243.028	N	34	242.564																	
5+168							243.408	N																			
5+168		65		15			243.408	N	35	242.794																	
5+233							243.903	N																			
5+233		117		26			243.903	N																			
5+350							243.529	N	36	243.229																	
5+350		97		22			243.529	N																			
5+447							243.174	N	39	242.118																	
5+447		35		8		0.20%	243.174	N																			
5+482							243.104	N	41	242.836																	
5+482		30		7			243.104	N	41	242.836																	
5+512							243.164	N																			
5+512		38		9			243.164	N	42	242.870																	
5+550							243.281	N																			
5+550		50		11			243.281	N	44	242.980																	
5+600							243.574	N																			

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MISC. TABLES

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NONE	
VERTICAL SCALE	DESIGNATION
NONE	9614680
SURVEY BOOK	SHEETS
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UNDERDRAIN TABLE

I-65 Northbound Lane - Median (Under Modified Conc. Barrier - Left)
Line "A"

UNDERDRAIN PIPE											OUTLET PIPE										OUTLET PROTECTORS						
Underdrain Pipe Limits	Type 4 Pipe		Geotextile for Underdrains	Aggregate for Underdrains	HMA for Underdrains	Special Grade	Flow Line Elevation @ Underdrain Pipe Limit	Outlet Pipe Required	Connect Underdrain Pipe to Structure No. ___	Structure Invert Elevation	45 Degree Elbows Required (1 or 2)	150 mm Outlet Pipe	Outlet Station	Outlet Elevation	Outlet at Outlet Protector No. ___	Ditch Flow Line Elevation at Outlet Protector	Connect Outlet Pipe to Structure No. ___	Structure Invert Elevation	B Borrow for Structure Backfill	HMA for Underdrains	Outlet Protector No. ___	Outlet Protector Type	Location				Remarks
	100 mm	150 mm																					Outside Left	Median Left	Median Right	Outside Right	
	(m)	(m)	(m^2)	(m^3)	(Mg)	%		(Y/N)				(m)							(m^3)	(Mg)							
5+600		50		11			243.574	N	45	243.424																	
5+650							244.020	N																			
5+650		100		23			244.020	N	47	243.720																	
5+750							245.014	N																			
5+750		100		23			245.014	N	49	244.714																	
5+850							245.652	N																			
5+850		86		19		0.20%	245.652	N	52	245.502																	
5+936							245.824	N																			
6+225		60		14			241.730	N																			
6+285							239.964	N	56	239.663																	
6+285		185		42			239.964	N																			
6+470							236.006	N	62	235.788																	
6+470		120		27			236.006	N																			
6+590							235.229	N	67	235.079																	
6+590		100		23			235.229	N																			
6+690							235.011	Y			2	26	6+690	234.933	OP-177	230.600					OP-177	1	X				Outlet to Left Side
6+690		110		25			235.011	N																			
6+800							234.607	N	72	234.470																	
6+800		86		19			234.607	N																			
6+886							234.319	N	74	233.990																	
6+886		64		14			234.319	N	74	233.990																	
6+950							234.661	N																			
6+950		150		34			234.661	N	75	234.270																	
7+100							234.381	N	76	234.131																	
8+410		65		15			230.566	N	88	230.210																	
8+475							231.491	N																			
8+475		90		20			231.491	N	89	230.859																	
8+565							233.202	N																			

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INDIANA
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MISC. TABLES

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NONE	9614680
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UNDERDRAIN TABLE

	UNDERDRAIN PIPE										OUTLET PIPE										OUTLET PROTECTORS						
	Underdrain Pipe Limits	Type 4 Pipe 100 mm (m)	Type 4 Pipe 150 mm (m)	Geotextile for Underdrains (m^2)	Aggregate for Underdrains (m^3)	HMA for Underdrains (Mg)	Special Grade %	Flow Line Elevation @ Underdrain Pipe Limit	Outlet Pipe Required (Y/N)	Connect Underdrain Pipe to Structure No. ___	Structure Invert Elevation	45 Degree Elbows Required (1 or 2)	150 mm Outlet Pipe (m)	Outlet Station	Outlet Elevation	Outlet at Outlet Protector No. ___	Ditch Flow Line Elevation at Outlet Protector	Connect Outlet Pipe to Structure No. ___	Structure Invert Elevation	B Borrow for Structure Backfill (m^3)	HMA for Underdrains (Mg)	Outlet Protector No. ___	Outlet Protector Type	Location: Outside Left	Location: Median Left	Location: Median Right	Location: Outside Right	Remarks
I-65 Northbound Lane - Median (Under Modified Conc. Barrier - Left) Line "A"	8+565		110		25			233.202	N	90	232.890																
	8+675							235.561	N																		
	8+675		100		23			235.561	N	91	235.290																
	8+775							237.677	N																		
	8+775		31		7			237.677	N	92	237.407																
	8+806							238.221	N																		
	8+879		121		27		0.20%	239.039	N																		
	9+000							238.797	N	93	238.647																
	9+000		31		7		0.20%	238.797	N																		
	9+031							238.647	Y			2	30	9+010	238.557	OP-178	229.000					OP-178	1	X				Outlet to Left Side
	9+113		12		3			237.261	N																		
	9+125							236.989	N	95	236.429																
	9+125		125		28			236.989	N	95	236.429																
	9+250							233.727	N	96	232.680																
	9+250		150		34			233.727	N	96	232.680																
	9+400							230.099	N	97	229.849																
I-65 Median (Under Standard Concrete Barrier) Line "A"	2+749		120		27			262.351	N																		
	2+869							260.907	Y			2	28	2+869	260.823	OP-179	257.500			18.0		OP-179	1	X				Outlet to Left Side
	2+869		131		30			260.907	Y			2	28	2+869	260.823	OP-179	257.500			18.0							Outlet to Left Side
	3+000							257.644	N	13	257.484																
	3+000		170		38			257.644	N	13	257.484																
	3+170							253.565	N	14	253.405																
	3+170		80		18			253.565	N																		
	3+250							253.027	N	16	252.767																
	3+250		85		19			253.027	N																		
	3+335							252.605	N	17	252.345																
	4+043		80		18			254.245	Y			2	24	4+043	254.173	OP-180	250.800			15.4		OP-180	1				X	Outlet to Right Side
	4+123							254.670	N																		

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INDIANA DEPARTMENT OF TRANSPORTATION

MISC. TABLES

HORIZONTAL SCALE: NONE	BRIDGE FILE:
VERTICAL SCALE: NONE	DESIGNATION: 9614680
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UNDERDRAIN TABLE

I-65 Median (Under Standard Concrete Barrier)
Line "A"

UNDERDRAIN PIPE										OUTLET PIPE										OUTLET PROTECTORS						
Underdrain Pipe Limits	Type 4 Pipe		Geotextile for Underdrains	Aggregate for Underdrains	HMA for Underdrains	Special Grade	Flow Line Elevation @ Underdrain Pipe Limit	Outlet Pipe Required	Connect Underdrain Pipe to Structure No. ___	Structure Invert Elevation	45 Degree Elbows Required (1 or 2)	150 mm Outlet Pipe	Outlet Station	Outlet Elevation	Outlet at Outlet Protector No. ___	Ditch Flow Line Elevation at Outlet Protector	Connect Outlet Pipe to Structure No. ___	Structure Invert Elevation	B Borrow for Structure Backfill	HMA for Underdrains	Outlet Protector No. ___	Outlet Protector Type	Location				Remarks
	100 mm	150 mm																					Outside Left	Median Left	Median Right	Outside Right	
	(m)	(m)	(m^2)	(m^3)	(Mg)	%		(Y/N)				(m)							(m^3)	(Mg)							
4+123		22		5		0.20%	254.670	N																			
4+145							254.626	N																			
4+198		191		43			254.292	N																			
4+389							250.341	Y			2	24	4+389	250.269	OP-181	247.100			15.4		OP-181	1				X	Outlet to Right Side
4+389		111		25			250.341	N																			
4+500							247.672	N	28	247.512																	
4+500		100		23			247.672	N																			
4+600							246.071	N	29	245.911																	
4+600		100		23			246.071	N																			
4+700							245.376	N	30	245.216																	
4+700		100		23			245.376	N																			
4+800							245.051	N	31	244.891																	
4+800		150		34			245.051	N	31	244.891																	
4+950							244.529	N	32	244.369																	
4+950		130		29			244.529	N	32	244.369																	
5+080							243.113	N	33	242.953																	
5+080		41		9			243.113	N																			
5+121.101							242.964	N	34	242.564																	
6+005		145		33			245.670	N																			
6+150							243.597	N	53	243.449																	
6+150		75		17			243.597	N																			
6+225							241.730	N	55	241.580																	
7+100		100		23			234.381	N																			
7+200							234.163	N	77	234.013																	
7+200		125		28			234.163	N	77	234.013																	
7+325							233.891	N	79	233.741																	
7+325		125		28			233.891	N	79	233.741																	
7+450							233.619	N	80	233.469																	

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MISC. TABLES

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NONE	
VERTICAL SCALE	DESIGNATION
NONE	9614680
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I-65 Median (Under Standard Concrete Barrier)
Line "A"

UNDERDRAIN TABLE

UNDERDRAIN PIPE										OUTLET PIPE										OUTLET PROTECTORS						
Underdrain Pipe Limits	Type 4 Pipe		Geotextile for Underdrains	Aggregate for Underdrains	HMA for Underdrains	Special Grade	Flow Line Elevation @ Underdrain Pipe Limit	Outlet Pipe Required	Connect Underdrain Pipe to Structure No. ___	Structure Invert Elevation	45 Degree Elbows Required (1 or 2)	150 mm Outlet Pipe	Outlet Station	Outlet Elevation	Outlet at Outlet Protector No. ___	Ditch Flow Line Elevation at Outlet Protector	Connect Outlet Pipe to Structure No. ___	Structure Invert Elevation	B Borrow for Structure Backfill	HMA for Underdrains	Outlet Protector No. ___	Outlet Protector Type	Location				Remarks
	100 mm	150 mm																					Outside Left	Median Left	Median Right	Outside Right	
	(m)	(m)	(m^2)	(m^3)	(Mg)	%		(Y/N)				(m)							(m^3)	(Mg)							
7+450		150		34			233.619	N	80	233.469																	
7+600							233.293	N	81	233.143																	
7+600		150		34			233.293	N	81	233.143																	
7+750							232.966	N	82	232.816																	
7+750		100		23			232.966	N																			
7+850							232.736	N	83	232.586																	
7+850		100		23			232.736	N																			
7+950							232.307	N	84	232.157																	
7+950		190		43			232.307	N	84	232.157																	
8+140							230.777	Y			2	26	8+140	230.699	OP-182	230.100			16.7		OP-182	1	X				Outlet to Left Side
8+140		110		25			230.777	N																			
8+250							230.139	N	85	229.989																	
8+250		39		9			230.139	N																			
8+289							230.092	N	86	229.942																	
8+289		21		5			230.092	N	86	229.942																	Spl. Grade req'd. to outlet to creek
8+310							230.106	N																			Outlet to Little Eagle Creek at bridge
8+310		12		3			230.106	N	87	229.956																	Spl. Grade req'd. to outlet to Str. No. 88
8+322							230.130	N																			
8+383		27		6		0.20%	230.414	N																			Spl. Grade req'd. to outlet to Str. No. 88
8+410							230.360	N	88	230.210																	
9+400		125		28			230.099	N	97	229.939																	
9+525							229.274	N	99	229.125																	
9+525		175		40			229.274	N	99	229.125																	
9+700							228.596	N	102	228.446																	
9+700		175		40			228.596	N	102	228.446																	
9+875							227.917	N	105	227.757																	
9+875		125		28			227.917	N	105	227.757																	
10+000							227.432	N	108	227.272																	

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MISC. TABLES

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NONE	
VERTICAL SCALE	DESIGNATION
NONE	9614680
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UNDERDRAIN TABLE

	Underdrain Pipe Limits	UNDERDRAIN PIPE: Type 4 Pipe 100 mm (m)	Type 4 Pipe 150 mm (m)	Geotextile for Underdrains (m^2)	Aggregate for Underdrains (m^3)	HMA for Underdrains (Mg)	Special Grade %	Flow Line Elevation @ Underdrain Pipe Limit	Outlet Pipe Required (Y/N)	Connect Underdrain Pipe to Structure No. ___	Structure Invert Elevation	OUTLET PIPE: 45 Degree Elbows Required (1 or 2)	150 mm Outlet Pipe (m)	Outlet Station	Outlet Elevation	Outlet at Outlet Protector No. ___	Ditch Flow Line Elevation at Outlet Protector	Connect Outlet Pipe to Structure No. ___	Structure Invert Elevation	B Borrow for Structure Backfill (m^3)	HMA for Underdrains (Mg)	OUTLET PROTECTORS: Outlet Protector No. ___	Outlet Protector Type	Location: Outside Left	Median Left	Median Right	Outside Right	Remarks
I-65 Median (Under Standard Concrete Barrier) Line "A"																												
	10+000		52		12		0.20%	227.432	N	108	227.272																	
	10+052							227.536	N																			
	"S-4-A" PR																											
Lafayette Road - Left Line "S-4-A" PR	1+285		59		13			241.312	N																			
	1+344							241.020	N	147	240.870																	
	1+344		142		32			241.020	N	147	240.870																	
	1+486							239.893	N	149	239.700																	
	1+486		122		28			239.893	N	149	239.700																	
	1+608							239.230	N	152	239.000																	
	1+608		146		33			239.230	N	152	239.000																	
	1+754							238.435	N	154	238.285																	
	1+754		20		5			238.435	N	154	238.285																	
	1+774							238.300	N																			Tie into existing underdrain
Lafayette Road - Right Line "S-4-A" PR	1+285		59		13			241.360	N																			
	1+344							241.056	N	146	240.906																	
	1+344		142		32			241.056	N	146	240.906																	
	1+486							239.893	N	148	239.743																	
	1+486		122		28			239.893	N	148	239.743																	
	1+608							239.230	N	151	239.080																	
	1+608		146		33			239.230	N	151	239.080																	
	1+754							238.447	N	153	238.297																	
	1+754		20		5			238.447	N	153	238.297																	
	1+774							238.307	N																			Tie into existing underdrain

IBRAHIM SWIDAN — REGISTERED No. PE19600226 STATE OF INDIANA — PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 9/28/01

DESIGNED: J.A.T. | DRAWN: J.A.T.

CHECKED: M.A.E. | CHECKED: J.W.M.

INDIANA DEPARTMENT OF TRANSPORTATION

MISC. TABLES

HORIZONTAL SCALE	BRIDGE FILE
NONE	
VERTICAL SCALE	DESIGNATION
NONE	9614680
SURVEY BOOK	SHEETS
	303 D | OF | 520
CONTRACT	PROJECT
R-24327	IM-65-3 (281) 118

UNDERDRAIN TABLE

	Underdrain Pipe Limits	UNDERDRAIN PIPE: Type 4 Pipe 100 mm (m)	Type 4 Pipe 150 mm (m)	Geotextile for Underdrains (m^2)	Aggregate for Underdrains (m^3)	HMA for Underdrains (Mg)	Special Grade %	Flow Line Elevation @ Underdrain Pipe Limit	Outlet Pipe Required (Y/N)	Connect Underdrain Pipe to Structure No. ___	Structure Invert Elevation	OUTLET PIPE: 45 Degree Elbows Required (1 or 2)	150 mm Outlet Pipe (m)	Outlet Station	Outlet Elevation	Outlet at Outlet Protector No. ___	Ditch Flow Line Elevation at Outlet Protector	Connect Outlet Pipe to Structure No. ___	Structure Invert Elevation	B Borrow for Structure Backfill (m^3)	HMA for Underdrains (Mg)	OUTLET PROTECTORS: Outlet Protector No. ___	Outlet Protector Type	Location: Outside Left	Median Left	Median Right	Outside Right	Remarks
	"PR"																											
Cold Springs Rd. - Left Line "PR"	1+320		165		37			227.968	Y			2	10.3	1+320	226.500	OP-183	216.300			6.6		OP-183	1	X				
	1+484.954							228.991	Y			2	6.7	1+484.954	228.000	OP-184	219.866			4.3		OP-184	1	X				
	1+551.735		108		24			228.395	N																			
	1+660							226.116	N																			Tie into existing underdrain
Cold Springs Rd. - Right Line "PR"	1+320		165		37			227.968	Y			2	21	1+320	226.500	OP-183	216.300			13.5								Outlet to Left Side
	1+484.954							228.991	Y			2	4.7	1+484.954	228.500	OP-185	227.877			3.0		OP-185	1	X				
	1+551.735		108		24			228.395	N																			
	1+660							226.116	N																			Tie into existing underdrain
	TOTALS:	36388		8224	0							503	2814.2							1616	0							

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER 9/28/01 DATE

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

DESIGNED: J.A.T. DRAWN: J.A.T.

CHECKED: M.A.E. CHECKED: J.W.M.

INDIANA DEPARTMENT OF TRANSPORTATION

MISC. TABLES

HORIZONTAL SCALE	BRIDGE FILE
NONE	
VERTICAL SCALE	DESIGNATION
NONE	9614680
SURVEY BOOK	SHEETS
	303 E | OF | 520
CONTRACT	PROJECT
R-24327	IM-65-3 (281) 118

PAVED SIDE DITCH, SODDING AND RIPRAP SUMMARY TABLE

LOCATION						REVETMENT RIPRAP			SODDING			UNIFORM RIPRAP	PAVED SIDE DITCH												
FROM STATION	TO STATION	LEFT	RIGHT	MEDIAN	GEOTEXTILES	SLOPE PROTECTION	BRIDGE SPILL SLOPE	DITCHES	LAWN	DITCHES	BRIDGE CONE		TYPE A	TYPE B	TYPE C	TYPE D	TYPE E	TYPE F	TYPE G	TYPE H	TYPE I	TYPE J	TYPE K	TYPE L	TYPE M
					m^2	Mg	Mg	Mg	m^2	m^2	m^2	Mg	m	m	m	m	m	m	m	m	m	m	m	m	m
LINE "A"																									
3+240	3+280	X								120.0															
3+760	3+779	X								57.0															
3+779	3+800		X							63.0															
3+930	3+950	X			40.0	25.0																			
3+980	4+100		X							360.0															
4+100	4+160	X								180.0															
4+340	4+500		X							480.0															
4+420	4+480	X								180.0															
5+300	5+360	X								180.0															
5+410	5+430		X		40.0	25.0																			
5+420	5+500	X								240.0															
5+510	5+530		X		40.0	25.0																			
5+720	5+760	X								120.0															
5+720	5+768		X		187.0			125.0																	
5+760	5+838	X			304.0			203.0																	
5+768	5+839		X							120.0															
6+080	6+140		X		234.0			156.0																	
6+140	6+180	X			156.0			104.0																	
6+140	6+160		X							60.0															
6+180	6+200	X								60.0															
6+440	6+480		X							120.0															
7+220	7+280		X							180.0															
7+280	7+295		X		59.0			39.0																	
8+150	8+170		X		40.0	25.0																			
8+300	8+340		X		156.0			104.0																	
LINE "6-P"																									
23+120	23+140	X								60.0															
23+140	23+180	X			120.0	74.0																			
23+180	23+220		X							120.0															
23+300	23+340		X							120.0															
23+500	23+520		X							60.0															
23+540	23+640	X								300.0															
23+580	23+600		X		78.0			52.0																	
LINE "8-P"																									
0+180	0+200	X								204															
0+220 "PR-8P"	19+760 "8-P"	X								325															
19+760	19+805	X			492.0			265.0																	
LINE "US52-NEC"																									
0+200	0+220		X		78.0			52.0																	
0+220	0+260		X							20															
0+280	0+300		X		78.0			52.0																	
0+320	0+420		X							228.0															
LINE "US52-SEC"																									
0+200	0+220		X							60.0															
0+240	0+260		X		78.0			52.0																	

PAVED SIDE DITCH, SODDING AND RIPRAP SUMMARY TABLE

LOCATION						REVETMENT RIPRAP			SODDING			UNIFORM RIPRAP	PAVED SIDE DITCH												
FROM STATION	TO STATION	LEFT	RIGHT	MEDIAN	GEOTEXTILES	SLOPE PROTECTION	BRIDGE SPILL SLOPE	FOR DITCHES	LAWN	DITCHES	BRIDGE CONE		TYPE A	TYPE B	TYPE C	TYPE D	TYPE E	TYPE F	TYPE G	TYPE H	TYPE I	TYPE J	TYPE K	TYPE L	TYPE M
					m^2	Mg	Mg	Mg	m^2	m^2	m^2	Mg	m	m	m	m	m	m	m	m	m	m	m	m	m

RECOMMENDED FOR APPROVAL [signature] DESIGN ENGINEER — DATE [illegible]/28/01

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

DESIGNED: J.T. DRAWN: R.S.
CHECKED: I.S. CHECKED: J.T.

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVED SIDE DITCH, SODDING, AND RIPRAP SUMMARY TABLE

HORIZONTAL SCALE	BRIDGE FILE
NONE	
VERTICAL SCALE	DESIGNATION
NONE	9614680
SURVEY BOOK	SHEETS
	304 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

PAVED SIDE DITCH, SODDING AND RIPRAP SUMMARY TABLE

LOCATION					GEOTEXTILES	REVETMENT RIPRAP			SODDING			UNIFORM RIPRAP	PAVED SIDE DITCH												
FROM STATION	TO STATION	LEFT	RIGHT	MEDIAN		SLOPE PROTECTION 600mm	SLOPE PROTECTION 900mm	DITCHES	LAWN	DITCHES	BRIDGE CONE		TYPE A	TYPE B	TYPE C	TYPE D	TYPE E	TYPE F	TYPE G	TYPE H	TYPE I	TYPE J	TYPE K	TYPE L	TYPE M
					m 2	Mg	Mg	Mg	m 2	m 2	m 2	Mg	m	m	m	m	m	m	m	m	m	m	m	m	m
LINE "A"																									
9+125	9+240	✓								345															
11+100	11+150	✓			70			130																	
11+390	11+420		✓		42			78																	
11+380.00	11+680.000		✓		4896	5694																			

PAVED SIDE DITCH, SODDING AND RIPRAP SUMMARY TABLE

LOCATION					GEOTEXTILES	REVETMENT RIPRAP			SODDING			UNIFORM RIPRAP	PAVED SIDE DITCH												
FROM STATION	TO STATION	LEFT	RIGHT	MEDIAN		SLOPE PROTECTION 600mm	SLOPE PROTECTION 900mm	FOR DITCHES	LAWN	DITCHES	BRIDGE CONE		TYPE A	TYPE B	TYPE C	TYPE D	TYPE E	TYPE F	TYPE G	TYPE H	TYPE I	TYPE J	TYPE K	TYPE L	TYPE M
					m 2	Mg	Mg	Mg	m 2	m 2	m 2	Mg	m	m	m	m	m	m	m	m	m	m	m	m	m

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL 9/28/01
DESIGN ENGINEER DATE

DESIGNED: B.Z. DRAWN: J.M
CHECKED: M.O. CHECKED: B.Z.

INDIANA
DEPARTMENT OF TRANSPORTATION

SODDING AND RIPRAP
SUMMARY TABLE

HORIZONTAL SCALE	BRIDGE FILE
NONE	
VERTICAL SCALE	DESIGNATION
NONE	9614680
SURVEY BOOK	SHEETS
	305 of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

GUARDRAIL SUMMARY TABLE

LOCATION: FROM STATION	LOCATION: TO STATION	LEFT	MEDIAN LEFT	MEDIAN RIGHT	RIGHT	W-BEAM GUARDRAIL LENGTH: STANDARD POST AT 1.905 m SPA. (m)	STANDARD POST AT 0.952 m SPA. (m)	STANDARD POST AT 0.476 m SPA. (m)	DOUBLE FACED AT 1.905 m SPA. (m)	LONG POST AT 1.905 m SPA. (m)	LONG POST AT 0.952 m SPA. (m)	LONG POST AT 0.476 m SPA. (m)	SHOP CURVED AT ___ m SPA. (m)	NESTED GUARDRAIL (m)	GUARDRAIL FLARE RATE	GUARDRAIL TRANSITION TYPE TGB (EACH)	GUARDRAIL TRANSITION TYPE GP (EACH)	GUARDRAIL TRANSITION TYPE VH (EACH)	GUARDRAIL END TREATMENT MS (EACH)	GUARDRAIL END TREATMENT OS (EACH)	GUARDRAIL END TREATMENT TYPE 1 (EACH)	CURVED TERMINAL END (EACH)	CURVED W-BEAM GUARDRAIL SYSTEM: TERMINAL SYSTEM TYPE	TERMINAL SYSTEM EACH	CONNECTOR SYSTEM TYPE	CONNECTOR SYSTEM EACH	GUARDRAIL REMOVE (m)	IMPACT ATTENUATOR CR,W1,TL-2 (EACH)	REMARKS
LINE "PR-5P"																													
123+184.648	123+441.823	X				257.175										1				1									
123+186.923	123+459.338				X	272.415										1				1									
123+524.807	123+721.022	X				196.215										1						1							
123+542.322	123+771.891				X	229.569										1													
LINE "6-P"																													
23+140.000	23+583.865	X				443.865														1		1							
LINE "8-P"																													
19+855.960	19+949.010				X	91.44											1			1									
LINE "A"																													
2+586.887	2+595.443				X	8.556																1							
2+644.199	2+693.729			X					49.53						30:1	1			1										
20+200.025 "7-P"	2+689.568 "A"				X	49.530										1				1									
2+768.676	2+849.321	X				81.915										1				1									
2+777.238	3+322.068				X	544.830										1						1							
3+068.962	3+112.777	X				43.815														1		1							
3+959.877	4+142.757	X				182.880										1						1							
4+019.251	4+122.121				X	102.870										1				1									
4+200.243	4+501.233				X	300.990										1						1							
4+220.879	4+588.544	X				367.665										1				1									
5+013.567	5+072.622				X	59.055									15:1		1			1									
5+098.893	5+226.528	X				116.205								11.43						1		1							
5+173.378 "A"	0+070.000 "US52-SWC"				X	504.825														1		1							
5+687.255	5+740.595				X	53.340														1		1							
5+869.387	5+941.777				X	72.390										1				1									
5+999.233	6+071.623	X				72.390										1				1									
6+038.135	6+221.015				X	182.880										1						1							
6+318.201	6+346.776	X				28.575														1		1							
6+440.000	7+554.425	X				1114.425														1		1							
6+809.440	7+480.000				X	670.560														1		1							
8+249.437	8+321.827				X	72.390										1				1									
LINE "US52-NEC"																													
0+310.465	0+400.000				X	89.535														1		1							
LINE "US52-SEC"																													
0+118.130	0+179.090	X				60.96														1		1							
LINE "S-4-A"																													
1+466.486	1+481.726				X	15.24											1			1									
1+577.360	1+592.600	X				15.24											1			1									
1+495.53	1+502.030			X																								1	
1+556.974	1+563.474		X																									1	
LINE "M"																													
1+695.970	1+703.590				X												1												
1+758.840	1+766.460	X															1												
TOTALS						6210.300			49.53					11.43		16	6		1	22		16						2	

IBRAHIM SWIDAN REGISTERED No. PE19600226 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] DESIGN ENGINEER 9/28/01 DATE

DESIGNED: R.D.S. DRAWN: R.D.S.

CHECKED: M.A.E. CHECKED: M.A.E.

INDIANA DEPARTMENT OF TRANSPORTATION

GUARDRAIL SUMMARY TABLE

BRIDGE FILE	
DESIGNATION	9614680
SURVEY BOOK	SHEETS 305A of 520
CONTRACT R-24327	PROJECT IM-65-3(281)118

Time: 12:4:19 Date: 8/25/2001 Scale: 1=13 Drawing File: K:-Drive\sdsk\proj\375\ASBUILTS-DO NOT MODIFY\TABLES\GRTAB.dwg (JMiller)

GUARDRAIL SUMMARY TABLE

LOCATION		W-BEAM GUARDRAIL LENGTH																									
FROM STATION	TO STATION	LEFT	RIGHT	MEDIAN LEFT	MEDIAN RIGHT	STANDARD POST AT 1.905 m SPA.	STANDARD POST AT 0.952 m SPA.	STANDARD POST AT 0.476 m SPA.	DOUBLE FACED AT 1.905 m SPA.	LONG POST AT 1.905 m SPA.	LONG POST AT 0.952 m SPA.	LONG POST AT 0.476 m SPA.	SHOP CURVED AT m SPA.	NESTED GUARDRAIL	GUARDRAIL FLARE RATE	IMPACT ATTENUATOR R2, W1 110 Km/h	GUARDRAIL TRANSITION TYPE TGB	GUARDRAIL TRANSITION TYPE GP	GUARDRAIL TRANSITION TYPE TBT	GUARDRAIL END TREATMENT MS	GUARDRAIL END TREATMENT OS	GUARDRAIL END TREATMENT TYPE 1	CURVED TERMINAL END	CURVED W-BEAM GUARDRAIL SYSTEM				GUARDRAIL REMOVE	GUARDRAIL RESET	REMARKS
																								TERMINAL SYSTEM		CONNECTOR SYSTEM				
						m	m	m	m	m	m	m	m	m	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	TYPE	EACH	TYPE	EACH	m	m	
Line "A"																														
8+398.000	*8+413.00*		✓																									*15*		
8+390.800	*8+405.800*		✓																									*15*		
8+382.000	*8+501.500*	✓																										*119.5*		
8+375.000	*8+819.200*	✓																										*444.2*		
8+570.000	*8+788.000*		✓																									*218.0*		
8+680.000	*8+797.000*		✓																									*117.0*		
8+796.000	*8+811.000*	✓																										*15*		
8+866.000	*9+041.000*		✓																									*175*		
8+876.500	*8+891.500*																											*15*		
8+893.000	*8+036.000*		✓																									*14.3*		
8+884.000	*8+031.800*	✓																										*147.8*		
8+895.700	*8+027.000*	✓																										*131.3*		
9+114.500	*8+132.300*		✓																									*17.8*		
9+111.000	*9+237.000*	✓																										*126.0*		
9+109.200	*9+223.000*	✓																										*113.8*		
5+902.100"EBL38th"	*6+212.000 "EBL38th"*		✓																									*309.9*		
1+077.500"WBL38th"	*1+145.000"WBL38th"*	✓																										*67.5*		
1+077.000"WBL38th"	*1+393.258"WBL38th"*		✓																									*316.2*		
1+253.000"WBL38th"	*1+393.258"WBL38th"*	✓																										*140.2*		
10+274.000	*10+304.000*		✓																									*30.0*		
10+265.000	*10+300.000*	✓																										*35.0*		
10+326.000	*10+357.000*	✓																										*31.0*		
10+806.000	*10+856.000*	✓																										*50.0*		
10+960.000	*11+014.000*	✓																										*54.0*		
10+929.000	*11+014.000*		✓																									*211.0*		
11+290.000	*11+349.000*		✓																									*59.0*		
10+913.000	*10+985.000*	✓																										*72.0*		
11+176.000	*11+249.000*	✓																										*73.0*		
7+063.000"EBL38th"	*7+146.000"EBL38th"*		✓																									*83.0*		
7+303.000"EBL38th	*7+344.000"EBL38th"*	✓																										*41.0*		
0+231.000"SER-38"	*0+282.000"SER38"*		✓																									*51.0*		
7+052.000"WBL38th"	*7+134.000"WBL38th"*		✓																									*82.0*		
7+610.000"WBL38th"	*7+645.000"WBL38th"*		✓																									*35.0*		
7+615.000"WBL38th"	*7+644.000"WBL38th"*	✓																										*32.0*		
7+705.00"WBL38th"	*7+783.000"WBL38th"*	✓																										*78.0*		
7+549.000 EBL38th"	*7+681.0 "EBL38th"*		✓																									*132.0*		
7+587.0 "EBL38th"	*7+679.0 "EBL38th"*	✓																										*92.0*		
7+740.0 "EBL38th"	*7+875.0 "EBL38th"*	✓																										*135.0*		
7+794.0 "EBL38th"	*7+892.0 "EBL38th"*		✓																									*98.0*		
LINE PR																														
1+402 "PR"	*1+490 "PR"*	✓																										*88*		
1+450 "PR"	*1+492 "PR"*		✓																									*42.0*		
1+550 "PR"	*1+586 "PR"*	✓																										*36.0*		
1+556 "PR"	*1+594 "PR"*		✓																									*38.0*		
TOTALS																												*4325.2*		

STEPHEN F. WEINRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL: Stephen F. Weinraut 9/28/01
DESIGN ENGINEER DATE

DESIGNED: B.Z. DRAWN: J.M.
CHECKED: B.Z. CHECKED: MDO

INDIANA DEPARTMENT OF TRANSPORTATION

GUARDRAIL SUMMARY TABLE

HORIZONTAL SCALE	FILE
NONE	3804
VERTICAL SCALE	DESIGNATION
NONE	961480
SURVEY BOOK	SHEET
305B	OF 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

BFS NO. 3804.07

C:\3804\roadwire\3804GRD.DWG 09-24-01 AT 11:43 1 CS

GUARDRAIL SUMMARY TABLE

LOCATION						W-BEAM GUARDRAIL LENGTH									GUARDRAIL FLARE RATE	IMPACT ATTENUATOR R2, W1 110 Km/h	GUARDRAIL TRANSITION TYPE TGB	GUARDRAIL TRANSITION TYPE GP	GUARDRAIL TRANSITION TYPE TBT	GUARDRAIL END TREATMENT MS	GUARDRAIL END TREATMENT OS	GUARDRAIL END TREATMENT TYPE 1	CURVED TERMINAL END	CURVED W-BEAM GUARDRAIL SYSTEM				GUARDRAIL REMOVE	GUARDRAIL RESET	REMARKS
FROM STATION	TO STATION	LEFT	RIGHT	MEDIAN LEFT	MEDIAN RIGHT	STANDARD POST AT 1.905 m SPA.	STANDARD POST AT 0.952 m SPA.	STANDARD POST AT 0.476 m SPA.	DOUBLE FACED AT 1.905 m SPA.	LONG POST AT 1.905 m SPA.	LONG POST AT 0.952 m SPA.	LONG POST AT 0.476 m SPA.	SHOP CURVED AT m SPA.	NESTED GUARDRAIL										TERMINAL SYSTEM		CONNECTOR SYSTEM				
						m	m	m	m	m	m	m	m	m	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	TYPE	EACH	TYPE	EACH	m	m	
LINE "A"																														
8+388.829	8+805.689	✓								416.860							2													
8+908.615	9+013.064	✓								104.449							2													
9+121.855	9+209.485	✓								87.63							1				1									
8+410.946	8+775.751		✓							364.805							2													
8+879.726	9+026.118		✓							146.392							2													
9+129.523	9+160.003		✓						30.480								1			1										
9+249.5	9+262		✓													1														
10+803.342	10+854.777		✓							51.435							1				1									
10+929.273	10+952.133	✓								22.86							1				1									
10+931.011	11+042.835		✓							111.824							1	1												
11+214.492	11+226.992	✓														1														
LINE "EBL38th"																														
5+909.753	6+075.488		✓							165.735													1							
7+057.9	7+088.38		✓							30.48					30:1			1			1									
7+576.168	7+663.798	✓								87.63							1				1									
7+117	7+668.201		✓							551.201							1				1									
7+753.853	7+870.873	✓								117.02							2													
7+838.481	7+888.011		✓							49.53							1				1									
LINE "WBL38th-B"																					1									
7+131.62	7+162.1	✓								30.48					30:1			1			1									
7+599.872	7+630.352	✓								30.48							1						1							
7+718.069	7+769.504	✓								51.435							1				1									
LINE "WBL38th-A"																														
1+018.838	1+385.998		✓							367.16							1				1					2	1			
1+294.558	1+385.998	✓								91.44							1				1									
LINE "PR"																														
1+387.799	1+477.334	✓								89.535							1				1									
1+436.262	1+481.982		✓							45.72							1				1									
1+554.709	1+606.144	✓								51.435							1				1			7	1					
1+558.968	1+589.448		✓							30.48							1				1									
TOTALS									30.480	3065.536						2	26	3		1	16		2				1			

STEPHEN F. WEINTRAUT REGISTERED No. 16222 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL: Stephen F. Weintraut 9/28/01
DESIGN ENGINEER DATE

DESIGNED: B.Z. DRAWN: J.M.
CHECKED: B.Z. CHECKED: MDO

INDIANA DEPARTMENT OF TRANSPORTATION

GUARDRAIL SUMMARY TABLE

HORIZONTAL SCALE	FILE
NONE	3804
VERTICAL SCALE	DESIGNATION
NONE	961480
SURVEY BOOK	SHEET
	305C OF 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118

BFS NO. 3804.07

R:\3804\asbuilts\3804GRD.DWG 09-24-01 AT 11:43

MONUMENTS

LOCATION				TYPE "A"	TYPE "B"	TYPE "C"	TYPE "D"	BENCH MARK BRONZE DISK	SECTION CORNER MONUMENT	N.G.S. BENCH MARK	R/W MARKERS	U.S.G.S. BENCH MARK	N.G.S. CONTROL POINT	BENCH MARK POST	REMARKS
LT	RT	℄	STATION	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	
	X		123+471.300 "PR-5P"					1							N.W. BARRIER TRANSITION
	X		2+708.000 "A"					1							N.W. BARRIER TRANSITION
X			2+749.000 "A"					1							S.E. BARRIER TRANSITION
		X	3+100.000 "A"				1								P.O.T. STA.
		X	3+411.273 "A"				1								P.C. STA.
		X	3+958.514 "A"				1								P.T. STA.
	X		4+132.554 "A"					1							N.W. BARRIER TRANSITION
		X	4+198.014 "A"				1								P.O.T. STA.
X			4+210.500 "A"					1							S.E. BARRIER TRANSITION
		X	4+397.734 "A"				1								P.O.T. STA.
		X	4+797.734 "A"				1								P.O.T. STA.
		X	4+997.734 "A"				1								P.O.T. STA.
		X	5+197.737 "A"				1								P.C. STA.
		X	5+265.750 "A"				1								P.O.C. STA.
		X	5+865.750 "A"				1								P.T. STA.
	X		5+952.000 "A"					1							N.W. BARRIER TRANSITION
X			5+989.000 "A"					1							S.E. BARRIER TRANSITION
		X	6+148.336 "A"				1								P.O.T. STA.
		X	6+348.337 "A"				1								P.C. STA.
		X	6+527.382 "A"				1								P.O.C. STA.
		X	6+727.382 "A"				1								P.O.C. STA.
		X	6+927.382 "A"				1								P.T. STA.
		X	7+188.422 "A"				1								P.O.T. STA.
		X	7+388.422 "A"				1								P.O.T. STA.
		X	7+588.422 "A"				1								P.O.T. STA.
		X	7+788.422 "A"				1								P.O.T. STA.
		X	7+988.422 "A"				1								P.O.T. STA.
		X	8+188.422 "A"				1								P.O.T. STA.
	X		8+332.000 "A"					1							N.W. BARRIER TRANSITION
		X	8+558.442 "A"				1								P.C. STA.
		X	8+848.565 "A"				1								P.O.C. STA.
		X	9+233.672 "A"				1								P.T. STA.
		X	9+528.462 "A"				1								P.O.T. STA.
		X	9+728.462 "A"				1								P.O.T. STA.
		X	9+928.462 "A"				1								P.O.T. STA.
		X	10+128.462 "A"				1								P.O.T. STA.
		X	10+328.462 "A"				1								P.O.T. STA.
		X	10+528.462 "A"				1								P.O.T. STA.
		X	11+643.589 "A"				1								P.O.T. STA.
		X	11+843.589 "A"				1								P.O.T. STA.
X			7+708.000 "WBL-38B"						1						P.O.T. STA.
		X	1+774.000 "S-4-A"PR				1								P.O.T. STA.
			TOTALS				33	8	1						

IBRAHIM SWIDAN
REGISTERED
No. PE19600226
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] 9/28/01
DESIGN ENGINEER DATE

DESIGNED: J.T. DRAWN: R.S.
CHECKED: I.S. CHECKED: J.T.

INDIANA
DEPARTMENT OF TRANSPORTATION

MONUMENT TABLE

HORIZONTAL SCALE	BRIDGE FILE
NONE	
VERTICAL SCALE	DESIGNATION
NONE	9614680
SURVEY BOOK	SHEETS
	305D of 520
CONTRACT	PROJECT
R-24327	IM-65-3(281)118