

PROJECT	DESIGNATION
IM-65-1(137)8	9241915
CONTRACT	

**INDIANA
DEPARTMENT OF
TRANSPORTATION**

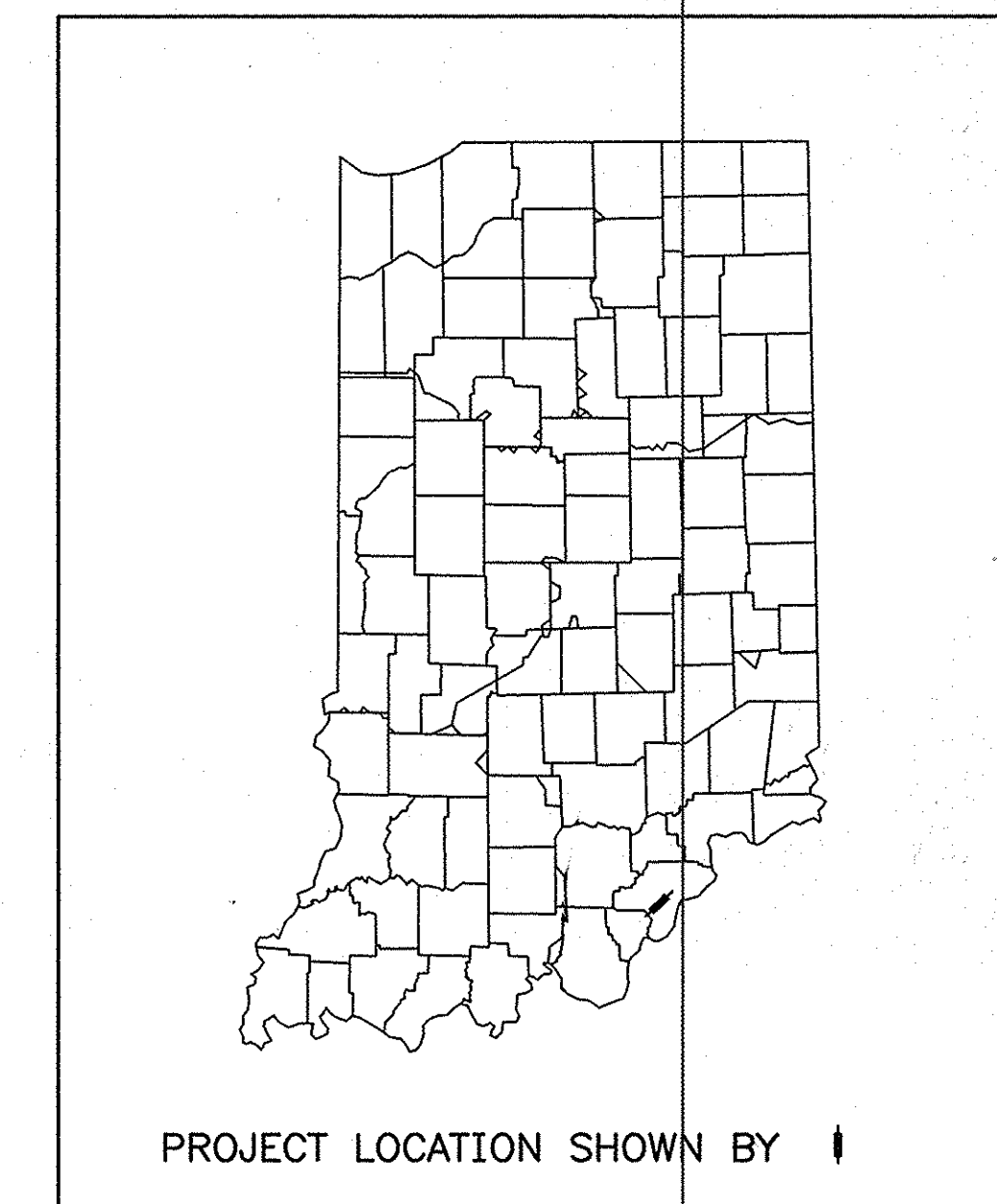
CODE: 3293
DES. NO. : 9241915

TRAFFIC DATA	I-65	SR 311
A.A.D.T. (1989)	28000 V.P.D.	19000 V.P.D.
A.A.D.T. (2010) PROJECTED	49560 V.P.D.	33630 V.P.D.
D.H.V. (2010)	1548 V.P.D.	1050 V.P.D.
DIRECTIONAL DISTRIBUTION	50% D.H.V.	50% D.H.V.
TRUCKS	17% A.A.D.T.	17% A.A.D.T.
DESIGN DATA		
DESIGN SPEED	110 Km/H	80 Km/H
PROJECT DESIGN CRITERIA	PARTIAL RECONSTRUCTION	RECONSTRUCTION
FUNCTIONAL CLASSIFICATION	INTERSTATE	RURAL ARTERIAL
RURAL/URBAN	RURAL	RURAL
TERRAIN	LEVEL	LEVEL
ACCESS CONTROL	FULL	PARTIAL

ROAD PLANS
PROJECT NO.
IM-65-1(137)8
R/W PLANS
INTERCHANGE MODIFICATION
I-65 AND S.R.311, ELEMENT #5
CLARK COUNTY

GROSS LENGTH = 2.400 Km
NET LENGTH = 2.400 Km
MAX. GRADE: 3.35%

SCALES
PLAN { LONG.: - 1:500
TRANS.: - 1:500 } PROFILE { HORIZ.: - 1:500
VERT.: - 1:50 }



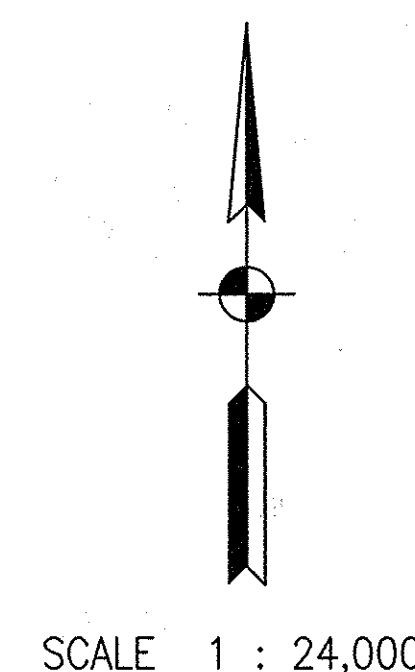
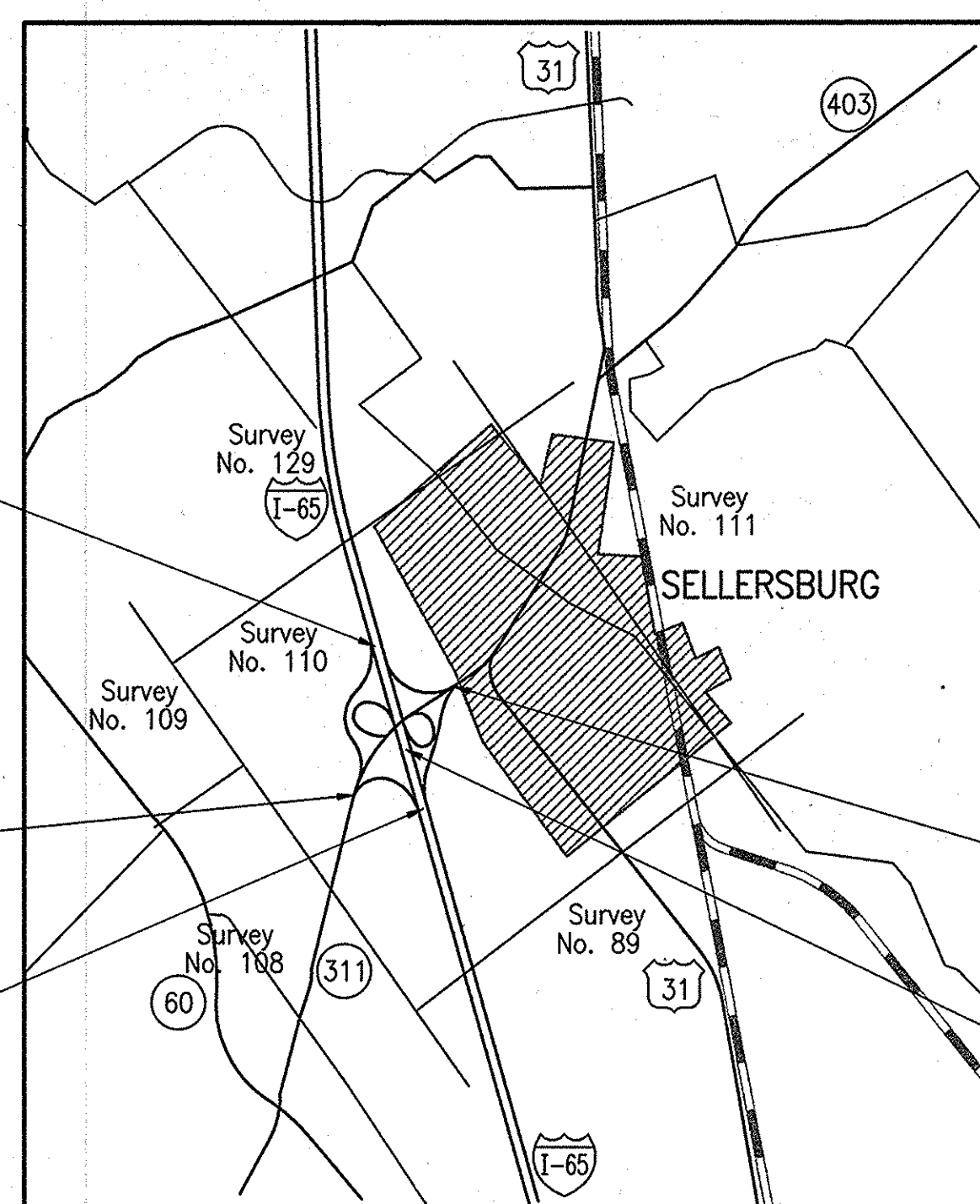
END PROJECT NO.
IM-65-1(137)8
STA. 0+969.110 "P"

BEGIN PROJECT NO.
IM-65-1(137)8
STA. 10+713.561 "E"

BEGIN CONSTRUCTION
STA. 0+432.866 "PR31W"

END CONSTRUCTION
STA. 1+260.000 "PR31W"

EQUATION:
POT 11+347.613 "E" BACK
= POT 0+030.480 "P" AHEAD



LOCATION MAP

APPROVED: *James A. San*
CHIEF, DIVISION OF LAND ACQUISITION

5-14-97
DATE

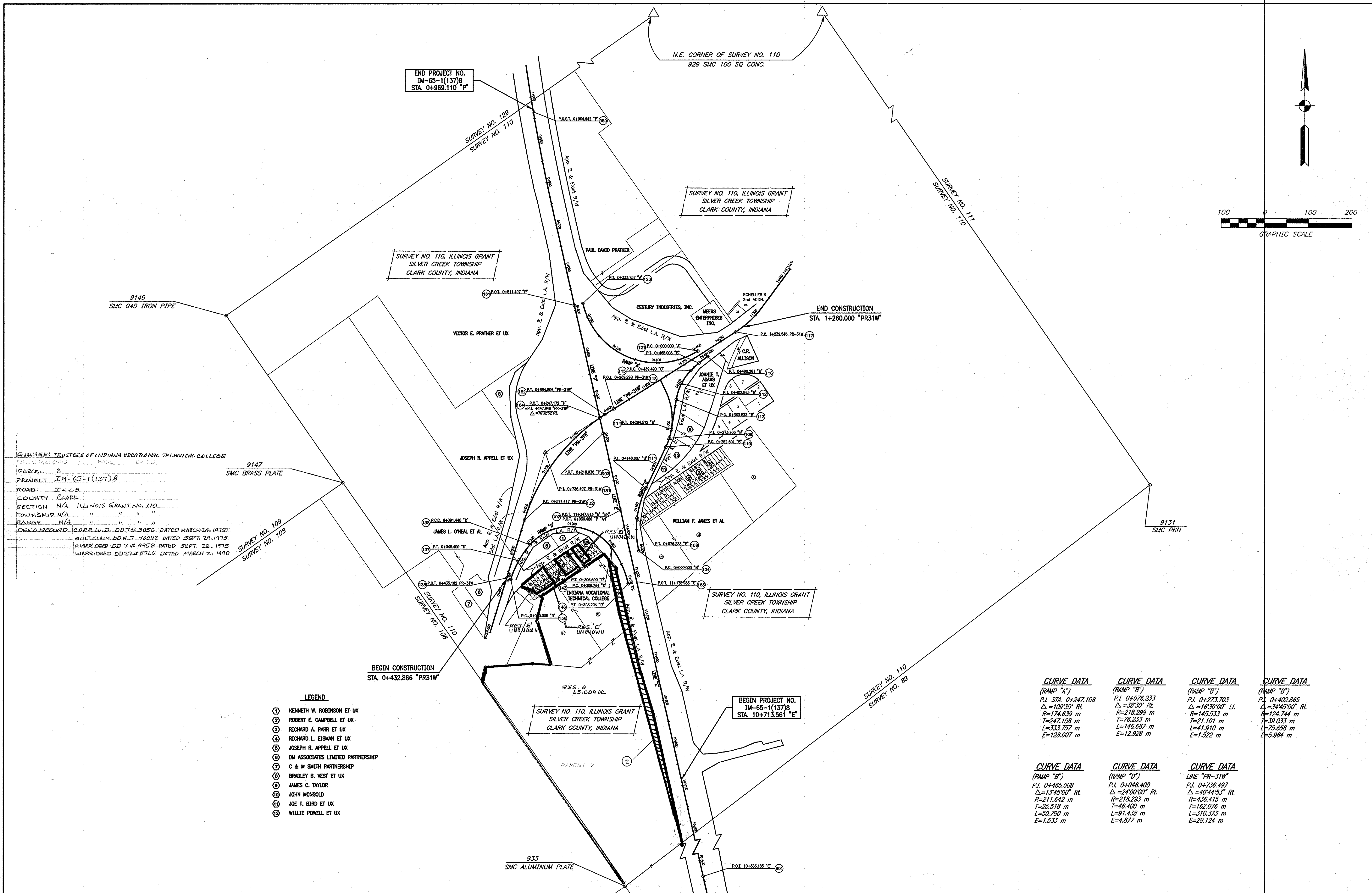
RECOMMENDED FOR APPROVAL: *James A. San*
MANAGER, R/W ENGINEERING SECTION

5-13-97
DATE

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 1995
TO BE USED WITH THESE PLANS

CERTIFIED BY: _____ DATE: _____	PLANS PREPARED BY: BEAM, LONGEST & NEFF, INC. Consulting Engineers 8126 Castleton Rd. Indianapolis, Indiana 46250 Telephone: (317) 849-5832	FEDERAL HIGHWAY ADMINISTRATION U.S. DEPT. OF TRANSPORTATION APPROVED: _____ DATE: _____ DIVISION ADMINISTRATOR	PLANS PREPARED BY: _____ PHONE NUMBER: _____ CERTIFIED BY: _____ DATE: _____ APPROVED FOR LETTING: _____ CHIEF, DIVISION OF DESIGN DATE: _____	DESIGNATION 9241915	SHEETS 1 of 4	CONTRACT	PROJECT IM-65-1(137)8
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OWNERS TRUSTEES OF INDIANA VOCATIONAL TECHNICAL COLLEGE
 PROJECT IM-65-1(137)8
 ROAD I-65
 COUNTY CLARK
 SECTION N/A ILLINOIS GRANT NO. 110
 TOWNSHIP 4/A
 RANGE N/A
 DEED RECORD CORP. W.D. DD 7# 3056 DATED MARCH 24, 1975
 QUIT CLAIM DD # 7 10042 DATED SEPT. 29, 1975
 WARR. DEED DD 7# 995B DATED SEPT. 28, 1975
 WARR. DEED DD 72# 5766 DATED MARCH 2, 1990

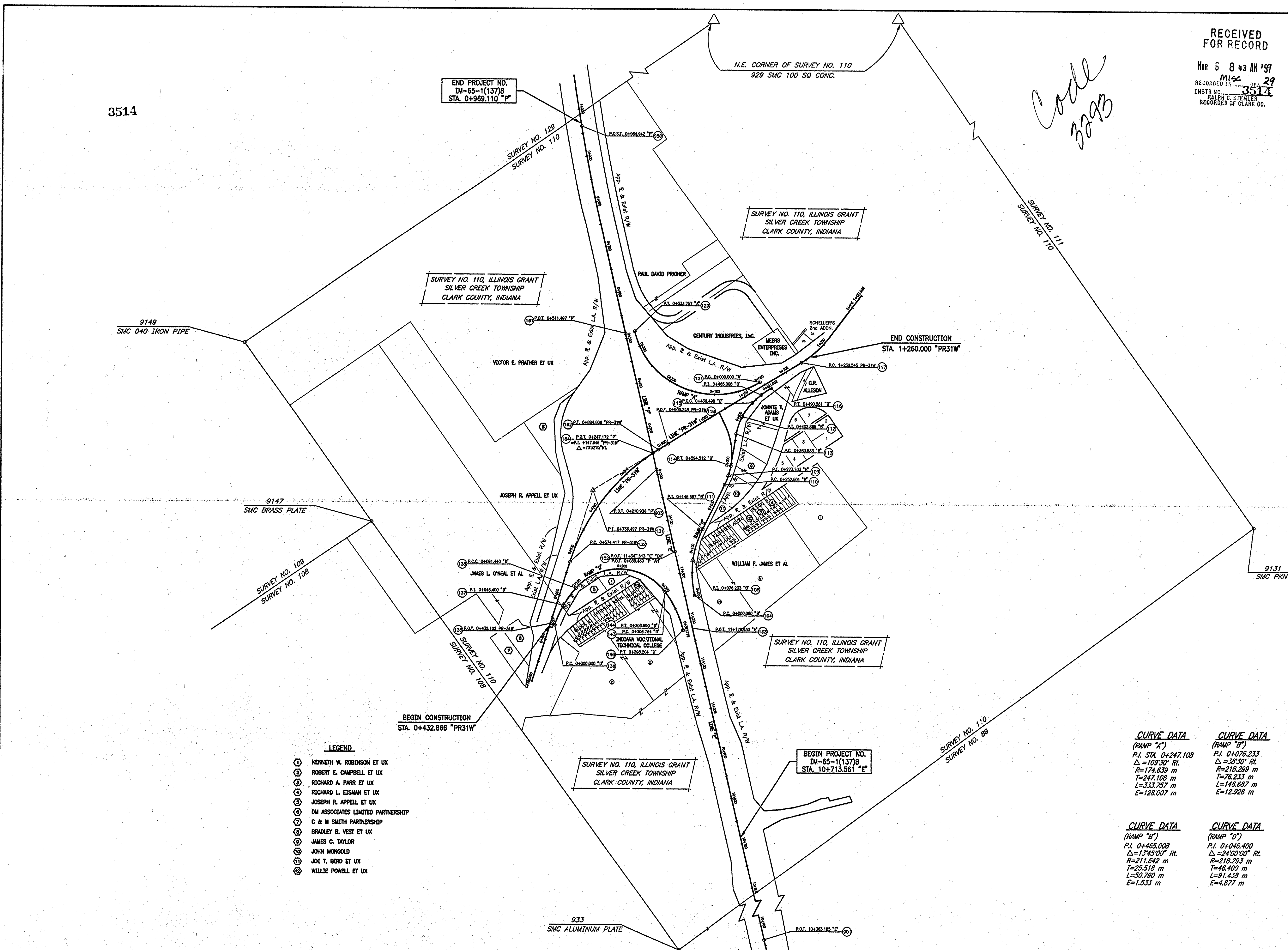
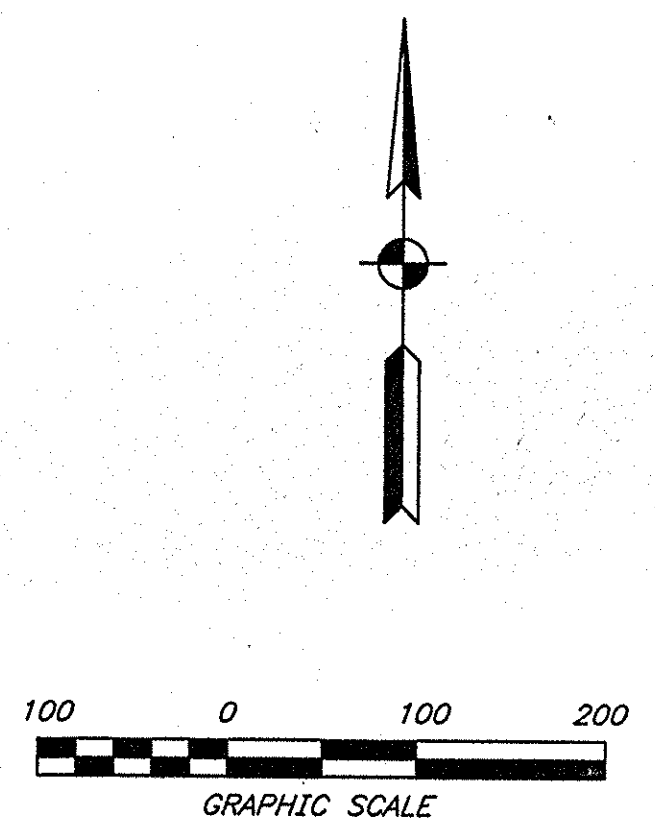
- LEGEND**
- ① KENNETH W. ROBINSON ET UX
 - ② ROBERT E. CAMPBELL ET UX
 - ③ RICHARD A. PARR ET UX
 - ④ RICHARD L. EISMAN ET UX
 - ⑤ JOSEPH R. APPELL ET UX
 - ⑥ DM ASSOCIATES LIMITED PARTNERSHIP
 - ⑦ C & M SMITH PARTNERSHIP
 - ⑧ BRADLEY B. VEST ET UX
 - ⑨ JAMES C. TAYLOR
 - ⑩ JOHN MONGOLD
 - ⑪ JOE T. BIRD ET UX
 - ⑫ WILLIE POWELL ET UX

CURVE DATA	CURVE DATA	CURVE DATA	CURVE DATA
(RAMP "A") P.I. STA. 0+247.108 Δ=109.93° Rt. R=174.639 m T=247.108 m L=333.757 m E=128.007 m	(RAMP "B") P.I. 0+076.233 Δ=38.30° Rt. R=218.299 m T=76.233 m L=146.667 m E=12.928 m	(RAMP "C") P.I. 0+273.703 Δ=163.010° Lt. R=145.533 m T=21.101 m L=41.910 m E=1.522 m	(RAMP "D") P.I. 0+402.865 Δ=34.4500° Rt. R=124.744 m T=39.033 m L=75.658 m E=5.964 m
(RAMP "E") P.I. 0+465.008 Δ=137.4500° Rt. R=211.642 m T=25.518 m L=50.790 m E=1.533 m	(RAMP "F") P.I. 0+048.400 Δ=24.0000° Rt. R=436.415 m T=46.400 m L=91.438 m E=4.877 m	LINE "PR-31W" P.I. 0+736.497 Δ=40.4453° Rt. R=436.415 m T=162.076 m L=310.373 m E=29.124 m	

SURVEY STARTED 11-20-95 SURVEY COMPLETED 12-14-95 ROUTE PLAT SHEETS 1 OF 2	FIELD SURVEYOR'S STATEMENT THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS EXECUTED ACCORDING TO THE PROVISIONS OF 865 I.A.C. 1-12-20 REGARDING ROUTE SURVEYS, EXCEPT THAT ANY DATA SHOWN REGARDING THE LOCATION OR DESCRIPTION OF THE EXISTING PARCELS IS NOT A PART OF THIS SURVEY.	RECOMMENDED FOR APPROVAL REGISTERED LAND SURVEYOR _____ DATE _____ DRAWN: T.C.L. CHECKED: D.K.A.	INDIANA DEPARTMENT OF TRANSPORTATION LOCATION CONTROL ROUTE SURVEY	HORIZONTAL SCALE 1:4000 COUNTY CLARK SURVEY BOOK _____ SHEETS CONTRACT _____ PROJECT MI-65-1(137)8
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RECEIVED FOR RECORD
 Mar 6 8 43 AM '97
 RECORDED IN Misc 29
 INSTR. NO. 3514
 RALPH C. STEINER
 RECORDER OF CLARK CO.

Code 3293



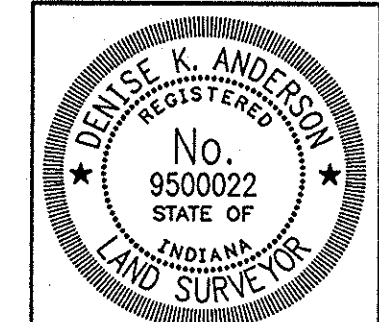
- LEGEND**
- ① KENNETH W. ROBINSON ET UX
 - ② ROBERT E. CAMPBELL ET UX
 - ③ RICHARD A. PARR ET UX
 - ④ RICHARD L. EISMAN ET UX
 - ⑤ JOSEPH R. APPELL ET UX
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 - ⑦ C & M SMITH PARTNERSHIP
 - ⑧ BRADLEY B. VEST ET UX
 - ⑨ JAMES C. TAYLOR
 - ⑩ JOHN MONGOLD
 - ⑪ JOE T. BIRO ET UX
 - ⑫ WILLIE POWELL ET UX

CURVE DATA	CURVE DATA	CURVE DATA	CURVE DATA
(RAMP "A") P.I. STA. 0+247.108 Δ = 109°30' Rt. R = 174.839 m T = 247.108 m L = 333.757 m E = 128.007 m	(RAMP "B") P.I. 0+076.233 Δ = 38°50' Rt. R = 218.289 m T = 76.233 m L = 146.687 m E = 12.928 m	(RAMP "C") P.I. 0+273.703 Δ = 16°30'00" Lt. R = 145.533 m T = 21.101 m L = 41.910 m E = 1.522 m	(RAMP "D") P.I. 0+402.865 Δ = 34°45'00" Rt. R = 124.744 m T = 38.033 m L = 75.658 m E = 5.964 m
(RAMP "E") P.I. 0+405.008 Δ = 13°45'00" Rt. R = 211.642 m T = 25.518 m L = 50.790 m E = 1.533 m	(RAMP "F") P.I. 0+046.400 Δ = 24°00'00" Rt. R = 218.293 m T = 46.400 m L = 91.438 m E = 4.877 m	(RAMP "G") P.I. 0+736.497 Δ = 40°44'53" Rt. R = 38.415 m T = 162.076 m L = 310.373 m E = 28.124 m	LINE "PR-31W" P.I. 0+736.497 Δ = 40°44'53" Rt. R = 38.415 m T = 162.076 m L = 310.373 m E = 28.124 m

SURVEY STARTED	11-20-95
SURVEY COMPLETED	12-14-95
ROUTE PLAT SHEETS	1 OF 2

FIELD SURVEYOR'S STATEMENT

THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS EXECUTED ACCORDING TO THE PROVISIONS OF 865 I.A.C. 1-12-20 REGARDING ROUTE SURVEYS, EXCEPT THAT ANY DATA SHOWN REGARDING THE LOCATION OR DESCRIPTION OF THE EXISTING PARCELS IS NOT A PART OF THIS SURVEY.



RECOMMENDED FOR APPROVAL
Denise K. Anderson 2-24-97
 REGISTERED LAND SURVEYOR DATE

DRAWN: T.C.L.
 CHECKED: D.K.A.

INDIANA DEPARTMENT OF TRANSPORTATION

LOCATION CONTROL ROUTE SURVEY

HORIZONTAL SCALE	BRIDGE FILE
1:4000	
COUNTY	DESIGNATION
CLARK	9241915
SURVEY BOOK	SHEETS
	7 of 22
CONTRACT	PROJECT
	T-65-1(137)B

CODE 3293

3514

SURVEYOR'S REPORT

RECEIVED FOR RECORD
Mar 6 8 43 AM '97
RECORDED IN 29
INSTR. NO. 3514
RALPH C. STEHLER
REGISTERED CLARK CO.

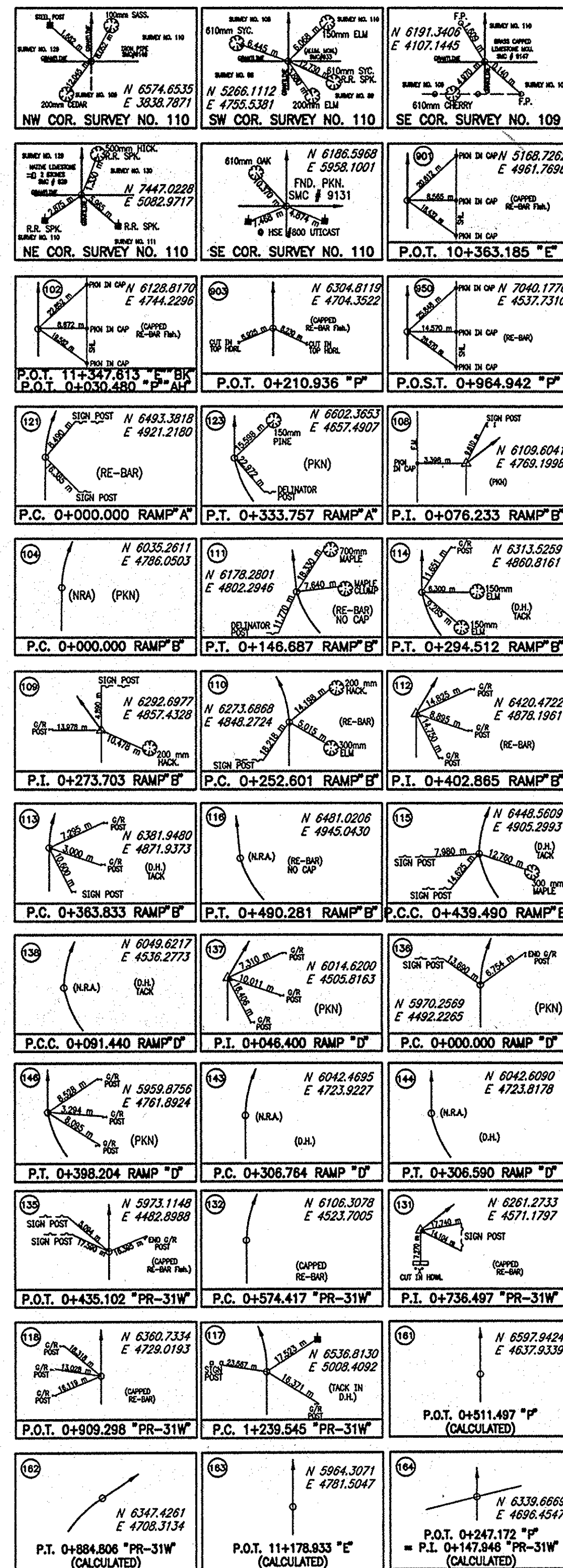
Route Survey - I-65 & S.R. 311
Survey No. 110, Illinois Grant
Silver Creek Township
Clark County, Indiana

General:

All monuments reference ties are shown on the Route Survey Plat.

Should additional USPLS corners be needed where none were found, they should be re-established and tied into this survey.

Field measurements for this survey were made in accordance with the specifications outlined in 865 I.A.C. 1 - 12. Measurements are shown herein to the nearest 0.001 meter, not to indicate the precision of the work, but to allow for closure and adjustment by others if desired.



9149. Used Iron Pipe per ties provided by the County Surveyor's Office. These ties no longer exist, therefore, the theoretical uncertainty is plus or minus 1.000 meter in any direction.

933. Used Alum. Mon. per ties provided by the County Surveyor's Office. The location agrees with said ties, therefore, the theoretical uncertainty is plus or minus 0.150 meter in any direction.

9147. Used Brass Capped Limestone Mon. per ties provided by the County Surveyor's Office. The location agrees with said ties, therefore, the theoretical uncertainty is plus or minus 0.150 meter in any direction.

929. Used Native Limestone, 2 Stones, per ties provided by the County Surveyor's Office. The location agrees with said ties, therefore, the theoretical uncertainty is plus or minus 0.150 meter in any direction.

9131. Used PKN no ties available per County Surveyor's Office. Therefore the theoretical uncertainty is plus or minus 1.50 meters in any direction.

901. Capped Rebar set. Original monument, therefore there is no uncertainty.

102. Capped Rebar set. Original monument, therefore there is no uncertainty.

903. Capped Rebar set. Original monument, therefore there is no uncertainty.

950. Rebar set. Original monument, therefore there is no uncertainty.

121. Rebar set. Original monument, therefore there is no uncertainty.

123. PKN set. Original monument, therefore there is no uncertainty.

108. PKN set. Original monument, therefore there is no uncertainty.

104. PKN set. Original monument, therefore there is no uncertainty.

111. Rebar set. Original monument, therefore there is no uncertainty.

114. Tack in Drill Hole set. Original monument, therefore there is no uncertainty.

109. Rebar set. Original monument, therefore there is no uncertainty.

110. Rebar set. Original monument, therefore there is no uncertainty.

112. Rebar set. Original monument, therefore there is no uncertainty.

113. Tack in Drill Hole set. Original monument, therefore there is no uncertainty.

116. Rebar set. Original monument, therefore there is no uncertainty.

115. Tack in Drill Hole set. Original monument, therefore there is no uncertainty.

138. Tack in Drill Hole set. Original monument, therefore there is no uncertainty.

137. PKN set. Original monument, therefore there is no uncertainty.

136. PKN set. Original monument, therefore there is no uncertainty.

146. PKN set. Original monument, therefore there is no uncertainty.

143. Drill Hole set. Original monument, therefore there is no uncertainty.

144. Drill Hole set. Original monument, therefore there is no uncertainty.

135. Capped Rebar set. Original monument, therefore there is no uncertainty.

132. Capped Rebar set. Original monument, therefore there is no uncertainty.

131. Capped Rebar set. Original monument, therefore there is no uncertainty.

118. Capped Rebar set. Original monument, therefore there is no uncertainty.

117. Tack in Drill Hole set. Original monument, therefore there is no uncertainty.

161. Calculated location for P.O.T. 0+511.497 Line "P". No monument was set.

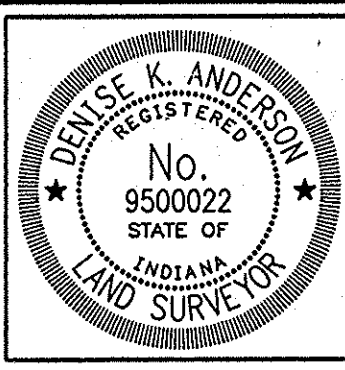
162. Calculated location for P.T. 0+884.806 Line "PR-31W". No monument was set.

163. Calculated location for P.O.T. 11+178.933 Line "E". No monument was set.

164. Calculated location for P.O.T. 0+247.172 Line "P" = P.I. 0+147.946 Line "PR-31W". No monument was set.

SURVEY STARTED	11-20-95
SURVEY COMPLETED	12-14-95
ROUTE PLAT SHEETS	2 OF 2

FIELD SURVEYOR'S STATEMENT
THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS EXECUTED ACCORDING TO THE PROVISIONS OF 865 I.A.C. 1-12-20 REGARDING ROUTE SURVEYS. EXCEPT THAT ANY DATA SHOWN REGARDING THE LOCATION OR DESCRIPTION OF THE EXISTING PARCELS IS NOT A PART OF THIS SURVEY.

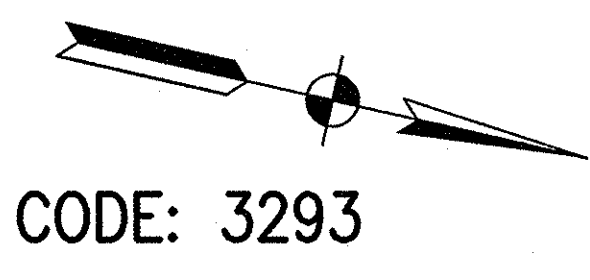


RECOMMENDED FOR APPROVAL
Denise K. Anderson 2-21-97
REGISTERED LAND SURVEYOR DATE
DRAWN: T.C.L.
CHECKED: D.K.A.

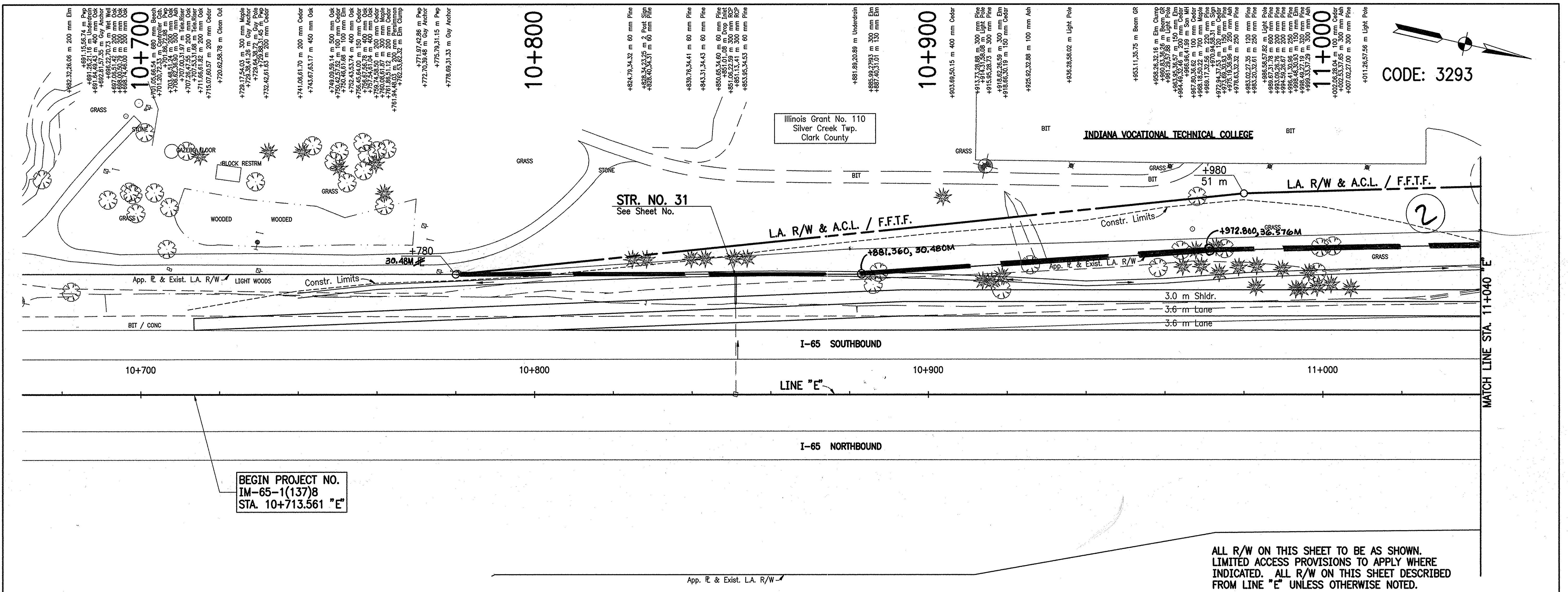
INDIANA DEPARTMENT OF TRANSPORTATION
LOCATION CONTROL ROUTE SURVEY

HORIZONTAL SCALE	BRIDGE FILE
1:4000	
COUNTY	DESIGNATION
CLARK	9241915
SURVEY BOOK	SHEETS
	8 of 22
CONTRACT	PROJECT
	MI-65-1(137)B

CODE 3293

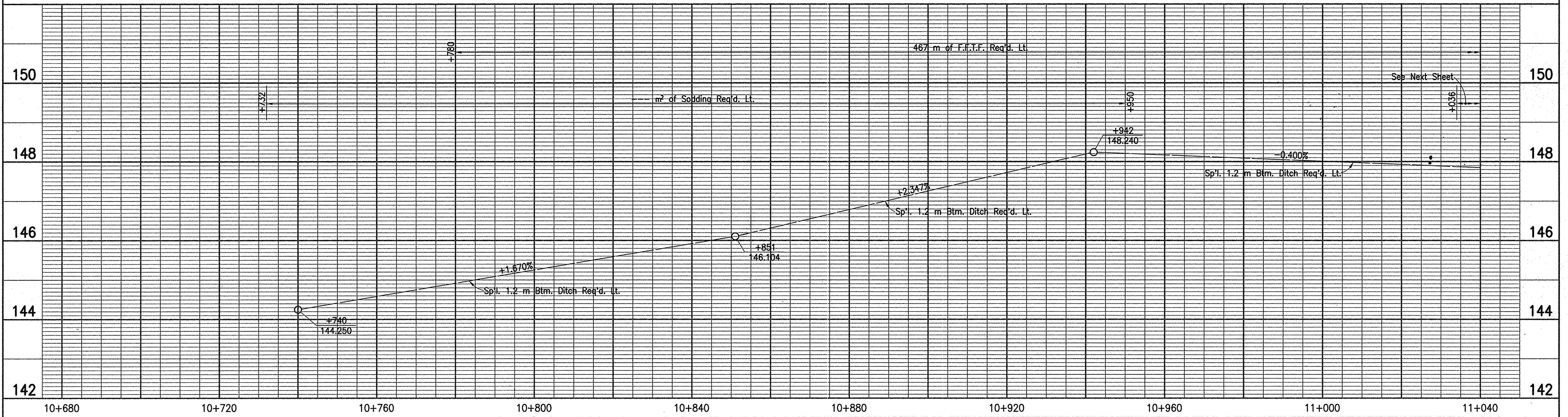


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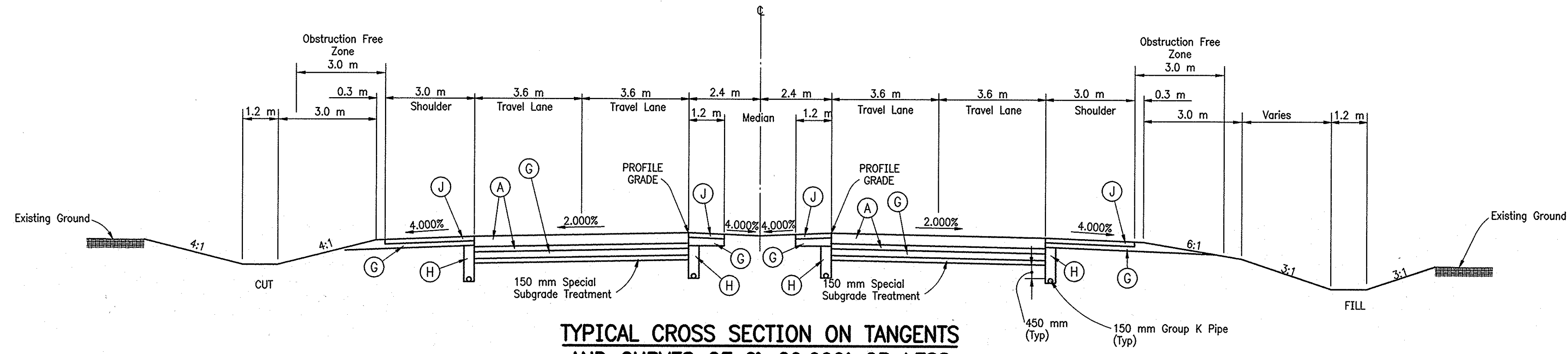


BEGIN PROJECT NO.
IM-65-1(137)8
STA. 10+713.561 "E"

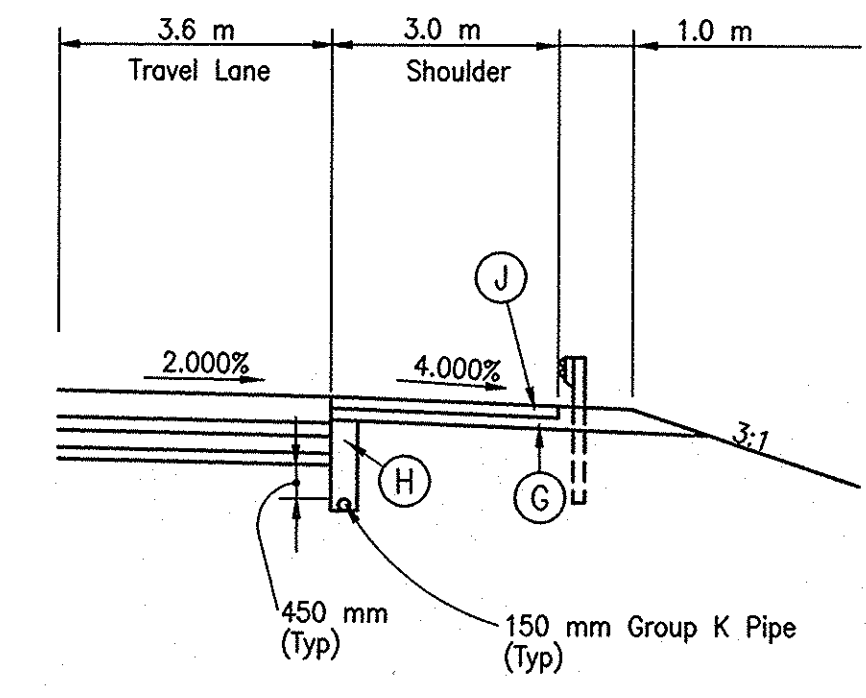
ALL R/W ON THIS SHEET TO BE AS SHOWN.
LIMITED ACCESS PROVISIONS TO APPLY WHERE
INDICATED. ALL R/W ON THIS SHEET DESCRIBED
FROM LINE "E" UNLESS OTHERWISE NOTED.



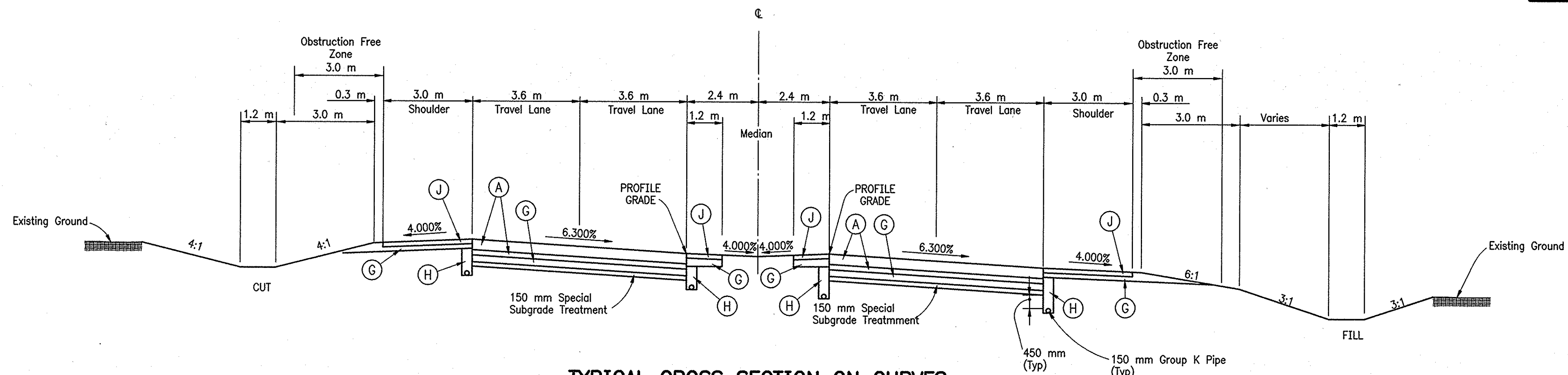
RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE		INDIANA DEPARTMENT OF TRANSPORTATION PLAN AND PROFILE BEGIN TO STA. 11+040 "E"		HORIZONTAL SCALE		BRIDGE FILE	
DESIGNED: D.G.F.		DRAWN: C.C.		CHECKED: R.E.S.				VERTICAL SCALE		DESIGNATION	
CHECKED: R.E.S.		CHECKED: R.E.S.						1:50		9241915	
								SURVEY BOOK		SHEETS	
								CONTRACT		PROJECT	
										IM-65-1(137)8	



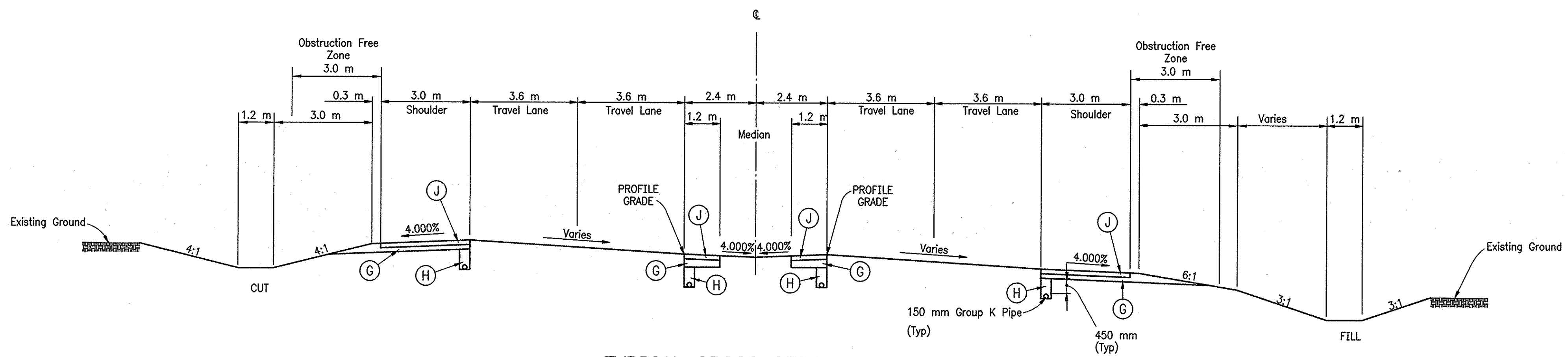
**TYPICAL CROSS SECTION ON TANGENTS
AND CURVES OF 0'-29.999' OR LESS
STA. 0+978.887 to STA. 1+050.000 "PR31W"**



**SHOULDER WITH GUARDRAIL
REVERSE FOR WESTBOUND LANE
STA. 0+610.000 TO STA. 0+915.105 "PR31W" RT.
STA. 0+840.000 TO STA. 1+060.980 "PR31W" LT.**



**TYPICAL CROSS SECTION ON CURVES
TO THE RIGHT OF 0'-30.000' OR MORE
STA. 0+670.000 to STA. 0+978.887 "PR31W"**

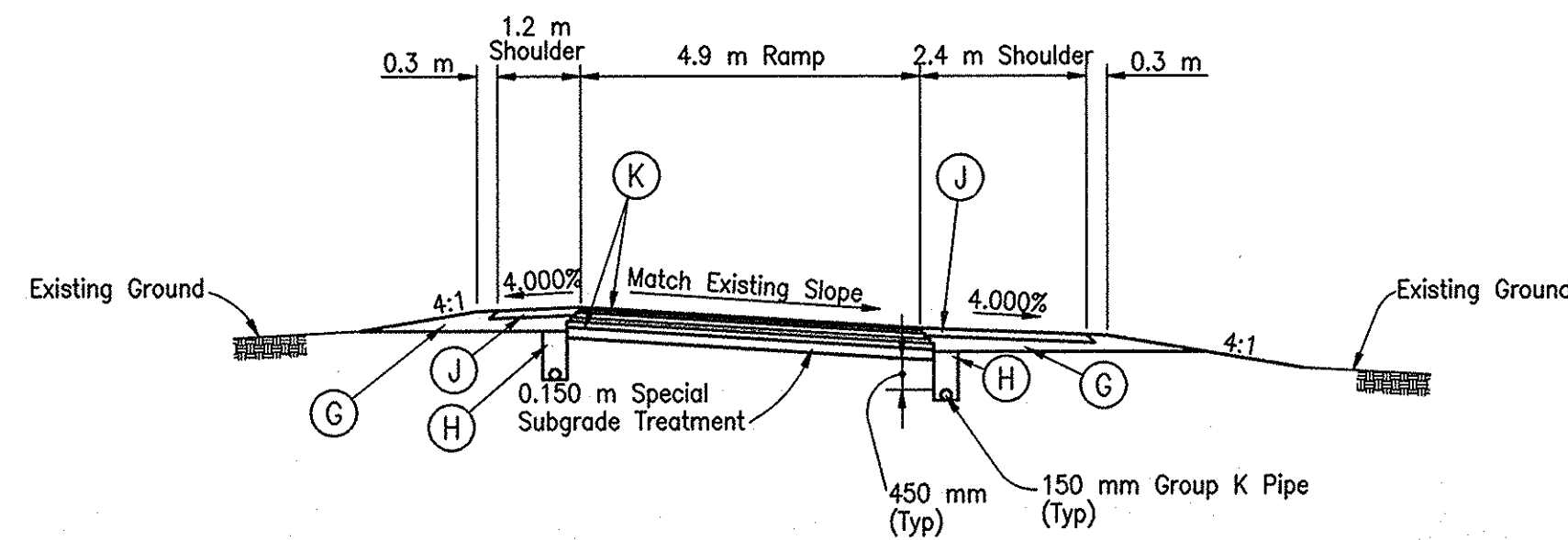


**TYPICAL CROSS SECTION FOR
LINE "PR31W" RECONSTRUCTION
STA. 0+432.866 to STA. 0+670.000 "PR31W"
STA. 1+020.000 to STA. 1+260.000 "PR31W"**

FOR
INFORMATION
ONLY

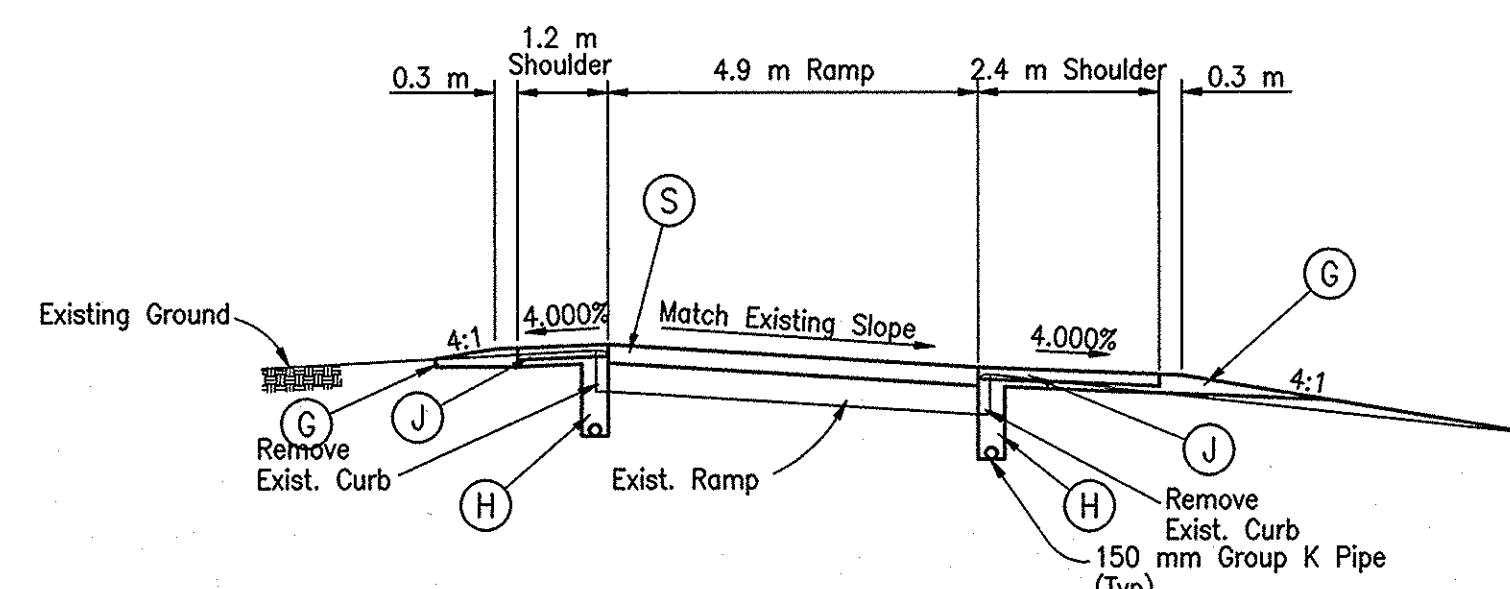
LEGEND	
(A)	CONCRETE PAVEMENT 350 mm PLAIN JOINTED CEMENT CONCRETE PAVEMENT ON 175 mm SUBBASE FOR CEMENT CONCRETE PAVEMENT
(J)	BITUMINOUS SHOULDERS 140 KG/SQ METER BITUMINOUS SURFACE 11, LV WITH SEAL COAT, TYPE 2 ON 125 KG/SQ METER BITUMINOUS BINDER 8C, LV
(G)	COMPACTED AGGREGATE 225 mm OF COMPACTED AGGREGATE FOR BASE TYPE "O", #53
(S)	BITUMINOUS RESURFACE 60 KG/SQ METER BITUMINOUS SURFACE 11, HV ON 80 KG/SQ METER BITUMINOUS BINDER 9, HV ON 125 KG/SQ METER BITUMINOUS BINDER 8C, HV
(H)	UNDERDRAIN
(K)	BITUMINOUS PAVEMENT 60 KG/SQ METER BITUMINOUS SURFACE 11, HV ON 120 KG/SQ METER BITUMINOUS BINDER 8 OR 9, HV ON 180 KG/SQ METER BITUMINOUS BASE 5, HV ON 140 KG/SQ METER BITUMINOUS BASE 5C, HV ON 210 KG/SQ METER BITUMINOUS BASE 5D, HV

										RECOMMENDED FOR APPROVAL DESIGN ENGINEER DATE		HORIZONTAL SCALE 1:100 BRIDGE FILE	
										DESIGNED: DPF DRAWN: GFR		VERTICAL SCALE 1:100 DESIGNATION 9241915	
										CHECKED: RES CHECKED: RES		SURVEY BOOK SHEETS 4 of 22	
										INDIANA DEPARTMENT OF TRANSPORTATION		CONTRACT PROJECT IM-65-1(137)8	
										TYPICAL CROSS SECTIONS S.R. 311			



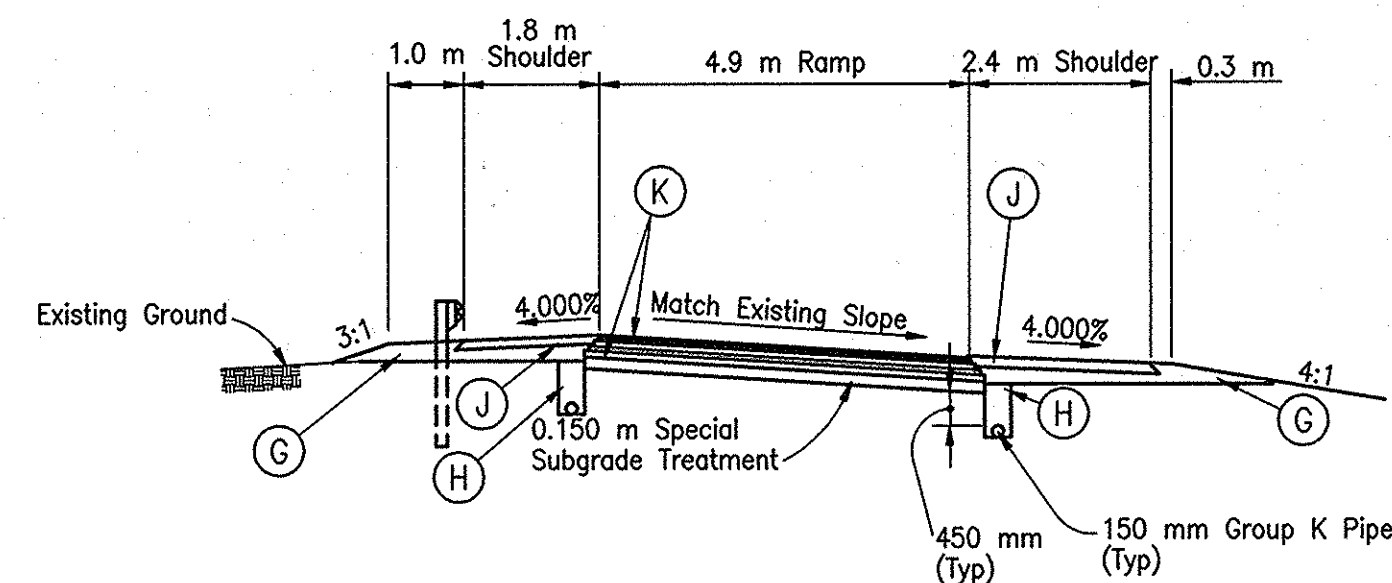
TYPICAL CROSS SECTION FOR RAMP RECONSTRUCTION

STA. 0+196.300 to STA. 0+352.942 "PRA"
 STA. 0+359.809 to STA. 0+437.520 "PRB"
 STA. 0+000.000 to STA. 0+060.000 "C"
 STA. 0+091.371 to STA. 0+425.209 "PRD"
 STA. 0+000.000 to STA. 0+080.000 "F"



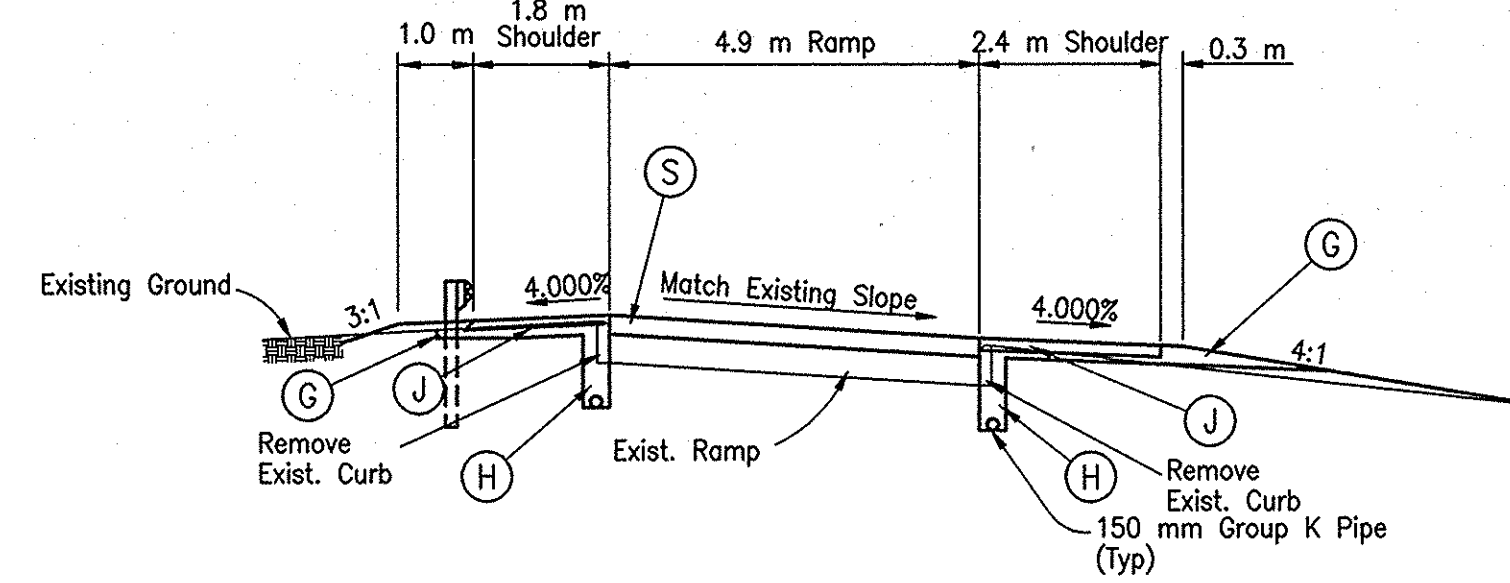
TYPICAL CROSS SECTION FOR RAMP OVERLAY WITH NEW SHOULDER CONSTRUCTION

STA. 0+000.000 to STA. 0+359.809 "PRB"
 STA. 0+359.809 to STA. 0+401.000 "B-1"
 STA. 0+060.000 to STA. 0+315.093 "C"
 STA. 0+062.000 to STA. 0+091.371 "PRD"
 STA. 0+000.000 to STA. 0+598.000 "E"
 STA. 0+447.000 to STA. 0+514.000 "E-1"
 STA. 0+198.600 to STA. 0+379.639 "F"



TYPICAL CROSS SECTION FOR RAMP RECONSTRUCTION

STA. 0+154.864 to STA. 0+196.300 "PRA"

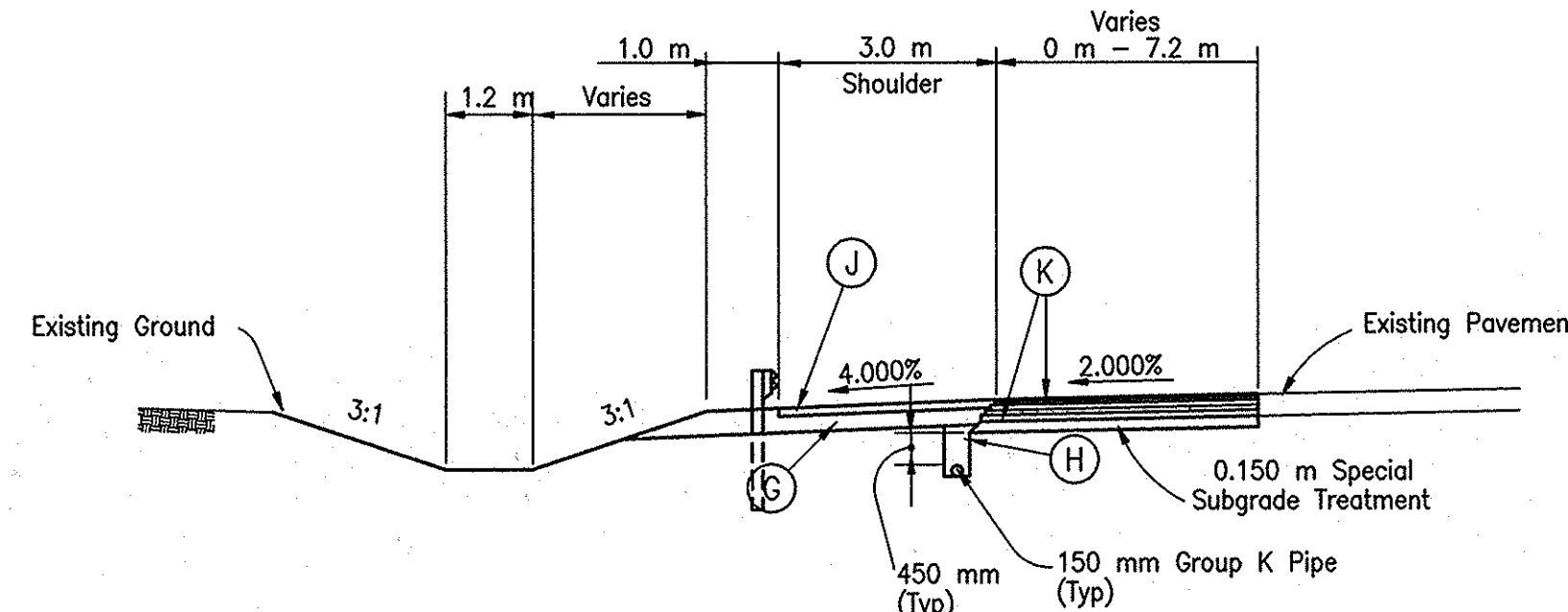


TYPICAL CROSS SECTION FOR RAMP RECONSTRUCTION

STA. 0+055.000 to STA. 0+154.864 "PRA"
 STA. 0+080.000 to STA. 0+194.000 "C"
 STA. 0+080.000 to STA. 0+198.600 "F"

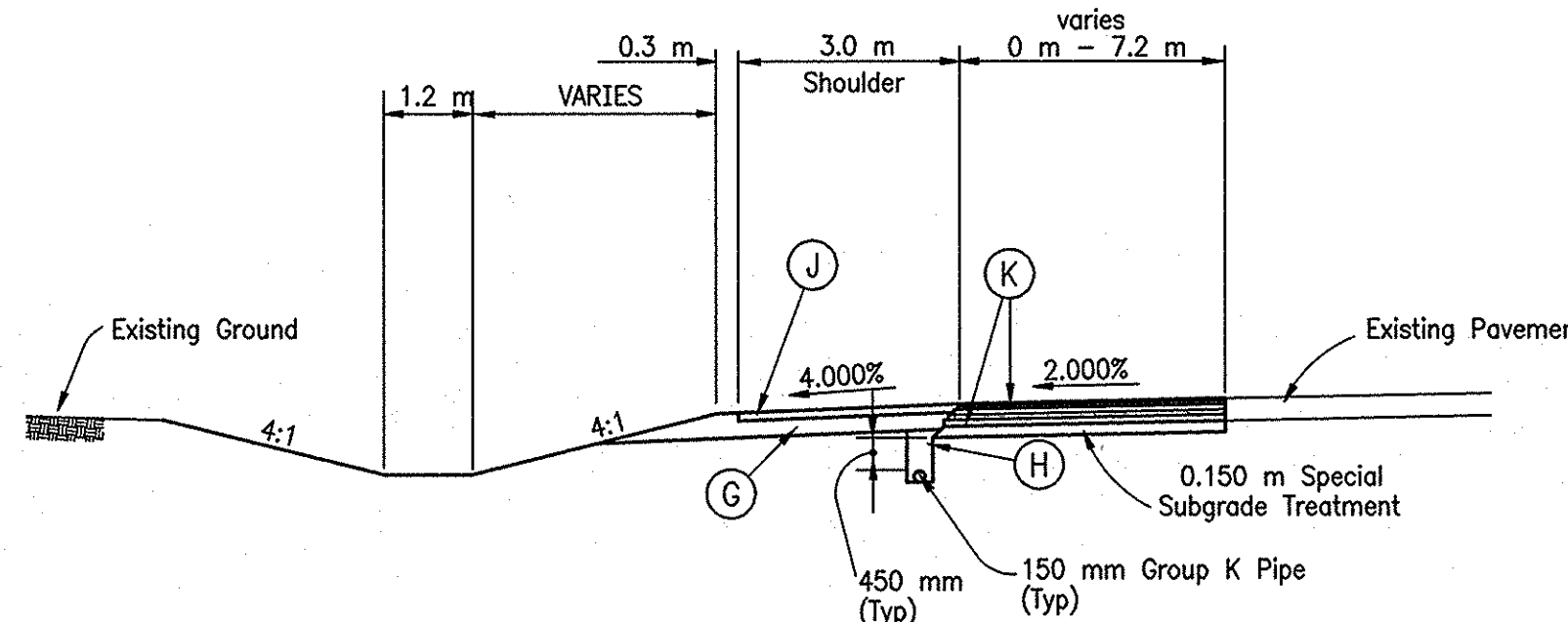
LEGEND

- (A) CONCRETE PAVEMENT
350 mm PLAIN JOINTED CEMENT CONCRETE PAVEMENT ON 175 mm SUBBASE FOR CEMENT CONCRETE PAVEMENT
- (J) BITUMINOUS SHOULDERS
140 KG/SQ METER BITUMINOUS SURFACE 11, LV WITH SEAL COAT, TYPE 2 ON 125 KG/SQ METER BITUMINOUS BINDER 8C, LV
- (G) COMPACTED AGGREGATE
225 mm OF COMPACTED AGGREGATE FOR BASE TYPE "O", #53
- (S) BITUMINOUS RESURFACE
60 KG/SQ METER BITUMINOUS SURFACE 11, HV ON 80 KG/SQ METER BITUMINOUS BINDER 9, HV ON 125 KG/SQ METER BITUMINOUS BINDER 8C, HV
- (H) UNDERDRAIN
- (K) BITUMINOUS PAVEMENT
60 KG/SQ METER BITUMINOUS SURFACE 11, HV ON 120 KG/SQ METER BITUMINOUS BINDER 8 OR 9, HV ON 180 KG/SQ METER BITUMINOUS BASE 5, HV ON 140 KG/SQ METER BITUMINOUS BASE 5C, HV ON 210 KG/SQ METER BITUMINOUS BASE 5D, HV



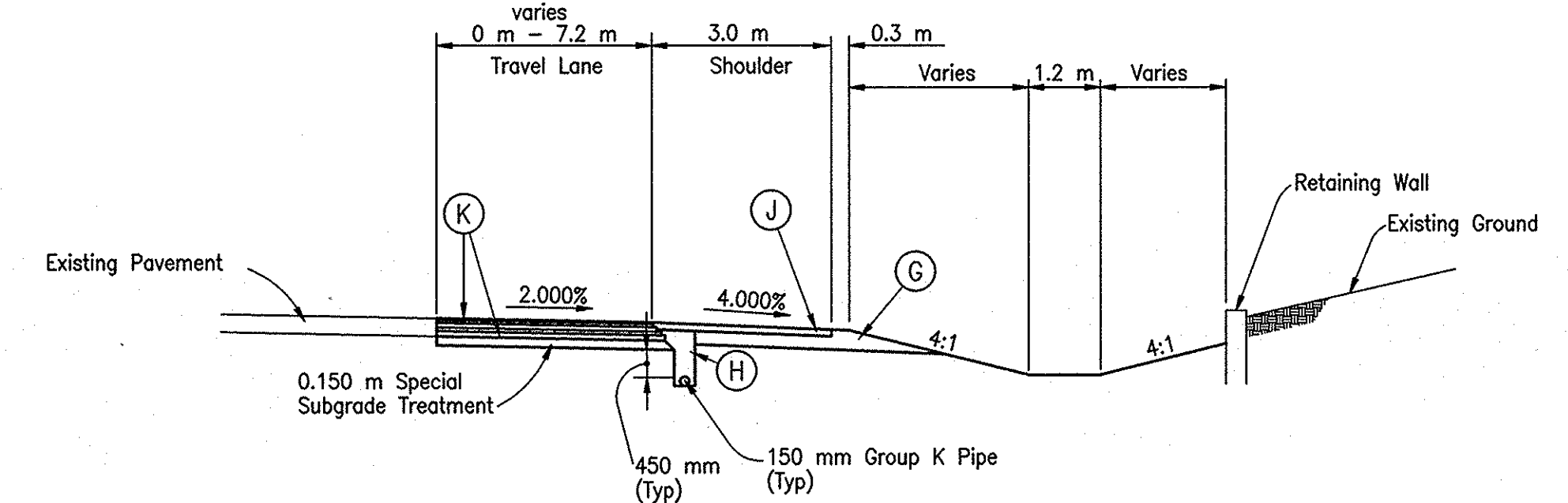
TYPICAL CROSS SECTION FOR AUXILIARY LANE ON I-65 SOUTHBOUND

STA. 11+095.000 "E" to STA. 11+224.000 "E"



TYPICAL CROSS SECTION FOR AUXILIARY LANE ON I-65 SOUTHBOUND

STA. 10+713.561 "E" to STA. 0+208.356 "P"



TYPICAL CROSS SECTION FOR AUXILIARY LANE ON I-65 NORTHBOUND

STA. 0+284.144 to STA. 0+969.110 "P"

FOR INFORMATION ONLY

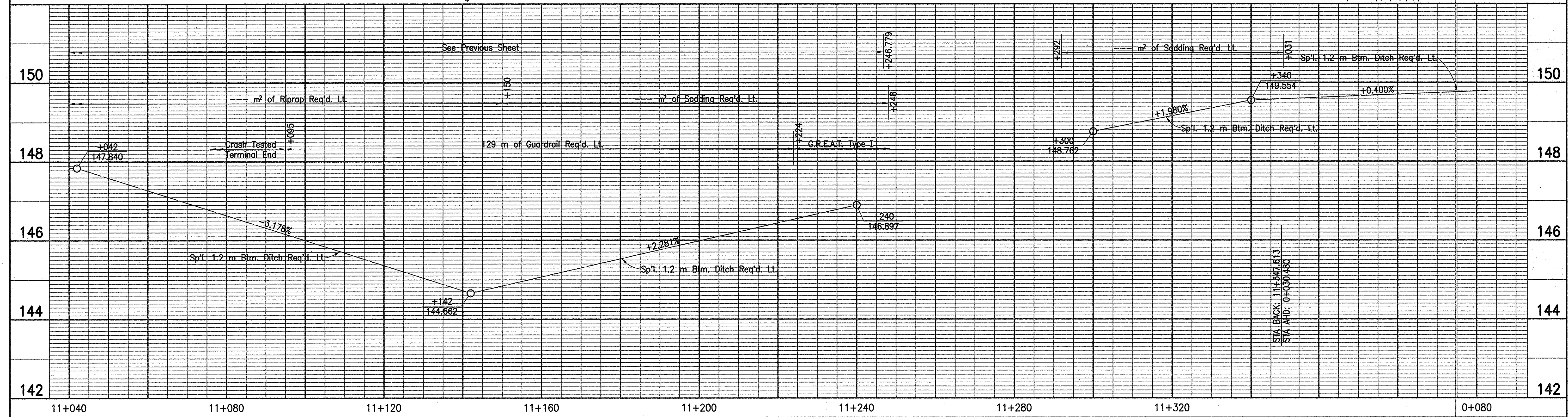
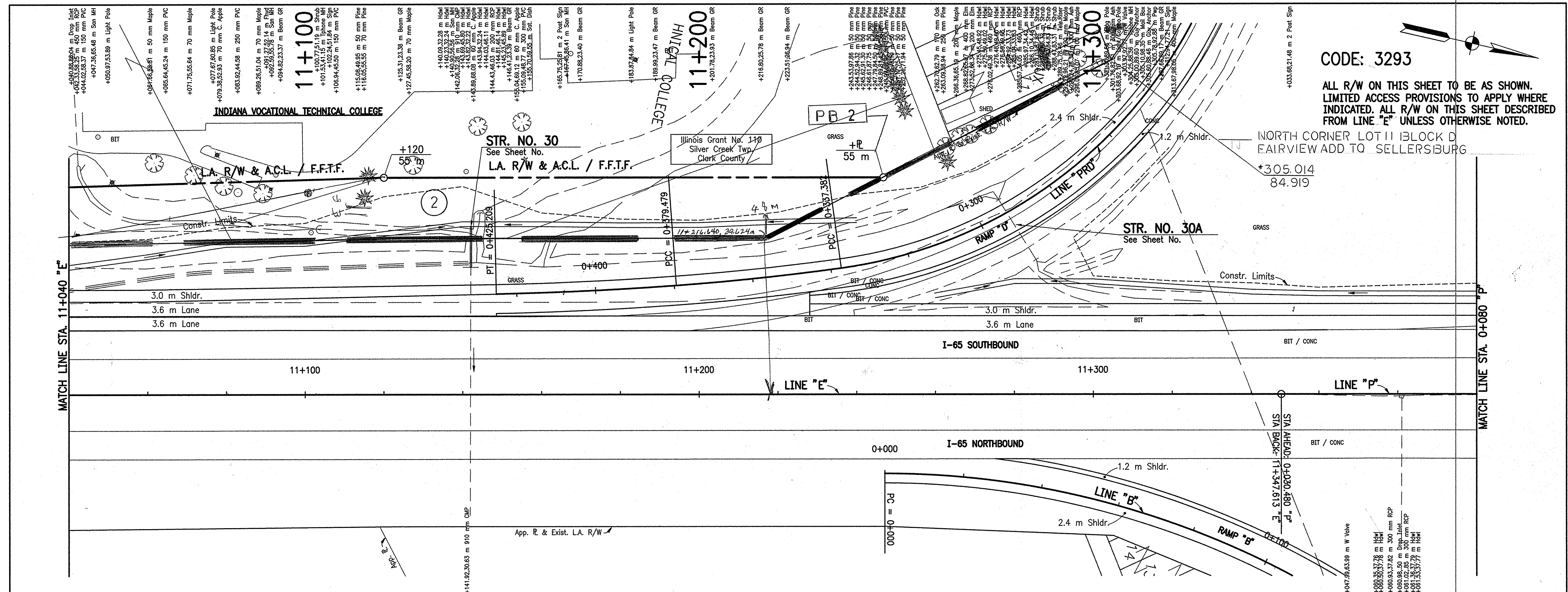
					RECOMMENDED FOR APPROVAL	DESIGN ENGINEER		DATE	INDIANA DEPARTMENT OF TRANSPORTATION TYPICAL CROSS SECTIONS INTERCHANGE	HORIZONTAL SCALE	BRIDGE FILE
					DESIGNED: DPF	DRAWN: GFR				VERTICAL SCALE	DESIGNATION
					CHECKED: RES	CHECKED: RES				1:100	9241915
									SURVEY BOOK	SHEETS	
									CONTRACT	5 of 22	
									PROJECT		
									IM-65-1(137)8		

c:\mcc000\civil\p\3174\rm\typical2 Med Feb 19 07:56:51 1997 Mattingly

CODE: 3293

ALL R/W ON THIS SHEET TO BE AS SHOWN. LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED. ALL R/W ON THIS SHEET DESCRIBED FROM LINE "E" UNLESS OTHERWISE NOTED.

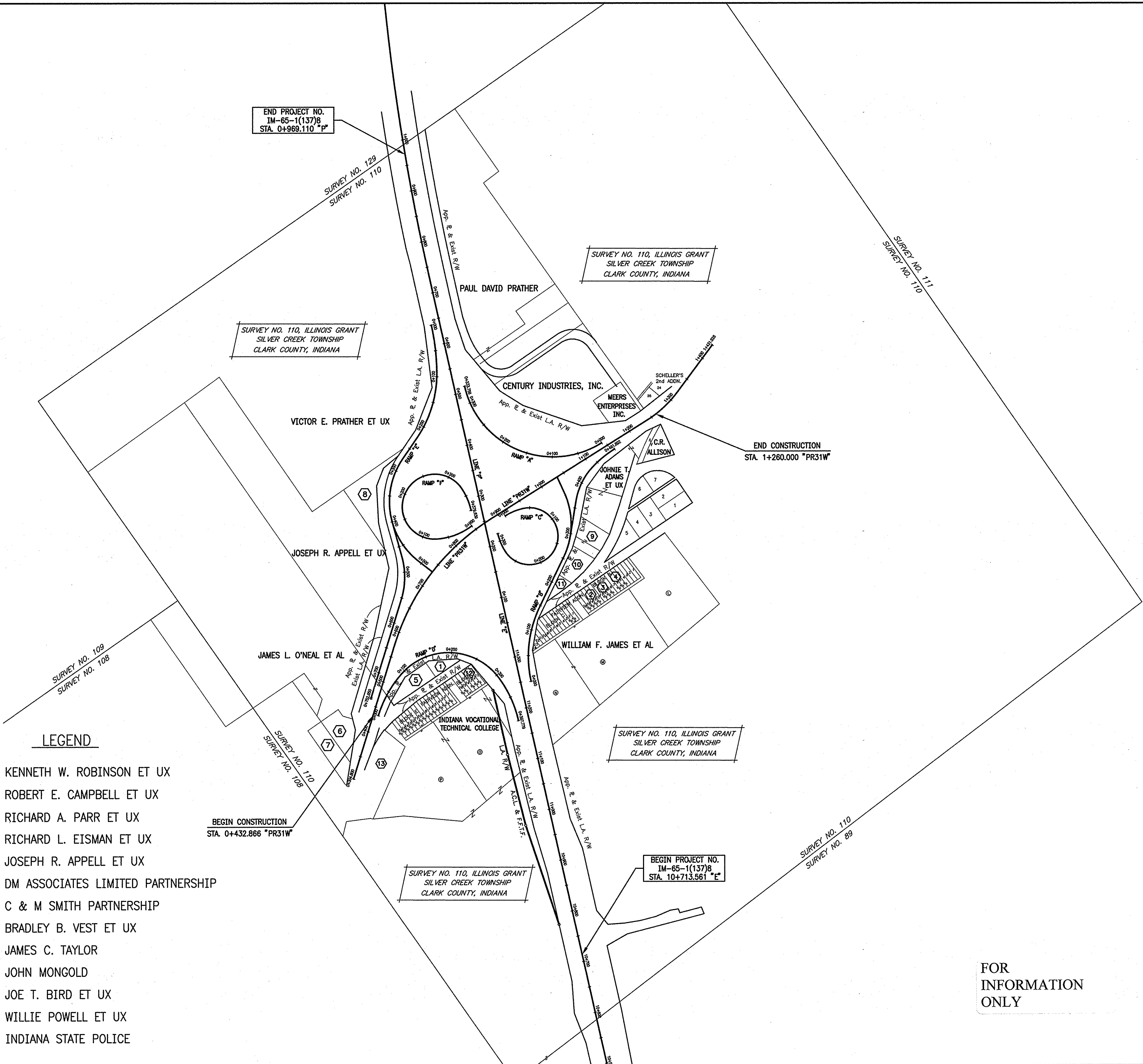
NORTH CORNER LOT 11 BLOCK D FAIRVIEW ADD TO SELLERSBURG



RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA DEPARTMENT OF TRANSPORTATION PLAN AND PROFILE STA. 11+040 "E" TO STA. 0+080 "P"	HORIZONTAL SCALE	BRIDGE FILE
DESIGNED: D.G.F.	DRAWN: C.C.			VERTICAL SCALE	DESIGNATION
CHECKED: R.E.S.	CHECKED: R.E.S.			CONTRACT	PROJECT
				SURVEY BOOK	SHEETS
					3 of 4
					IM-65-1(137)8



- LEGEND**
- ① KENNETH W. ROBINSON ET UX
 - ② ROBERT E. CAMPBELL ET UX
 - ③ RICHARD A. PARR ET UX
 - ④ RICHARD L. EISMAN ET UX
 - ⑤ JOSEPH R. APPELL ET UX
 - ⑥ DM ASSOCIATES LIMITED PARTNERSHIP
 - ⑦ C & M SMITH PARTNERSHIP
 - ⑧ BRADLEY B. VEST ET UX
 - ⑨ JAMES C. TAYLOR
 - ⑩ JOHN MONGOLD
 - ⑪ JOE T. BIRD ET UX
 - ⑫ WILLIE POWELL ET UX
 - ⑬ INDIANA STATE POLICE



END PROJECT NO.
IM-65-1(137)8
STA. 0+969.110 "P"

SURVEY NO. 110, ILLINOIS GRANT
SILVER CREEK TOWNSHIP
CLARK COUNTY, INDIANA

SURVEY NO. 110, ILLINOIS GRANT
SILVER CREEK TOWNSHIP
CLARK COUNTY, INDIANA

END CONSTRUCTION
STA. 1+260.000 "PR31W"

SURVEY NO. 109
SURVEY NO. 108

BEGIN CONSTRUCTION
STA. 0+432.866 "PR31W"

SURVEY NO. 110, ILLINOIS GRANT
SILVER CREEK TOWNSHIP
CLARK COUNTY, INDIANA

SURVEY NO. 110, ILLINOIS GRANT
SILVER CREEK TOWNSHIP
CLARK COUNTY, INDIANA

BEGIN PROJECT NO.
IM-65-1(137)8
STA. 10+713.581 "E"

SURVEY NO. 110
SURVEY NO. 89

FOR
INFORMATION
ONLY

RECOMMENDED FOR APPROVAL	
DESIGN ENGINEER	DATE
DESIGNED: D.P.F.	DRAWN: R.A.S.
CHECKED: R.E.S.	CHECKED: R.E.S.

**INDIANA
DEPARTMENT OF TRANSPORTATION**

PLAT NO. 1

HORIZONTAL SCALE 1:2000	BRIDGE FILE
VERTICAL SCALE	DESIGNATION 9241915
SURVEY BOOK	SHEETS 6 of 22
CONTRACT	PROJECT IM-65-1(137)8

SURVEYOR'S REPORT

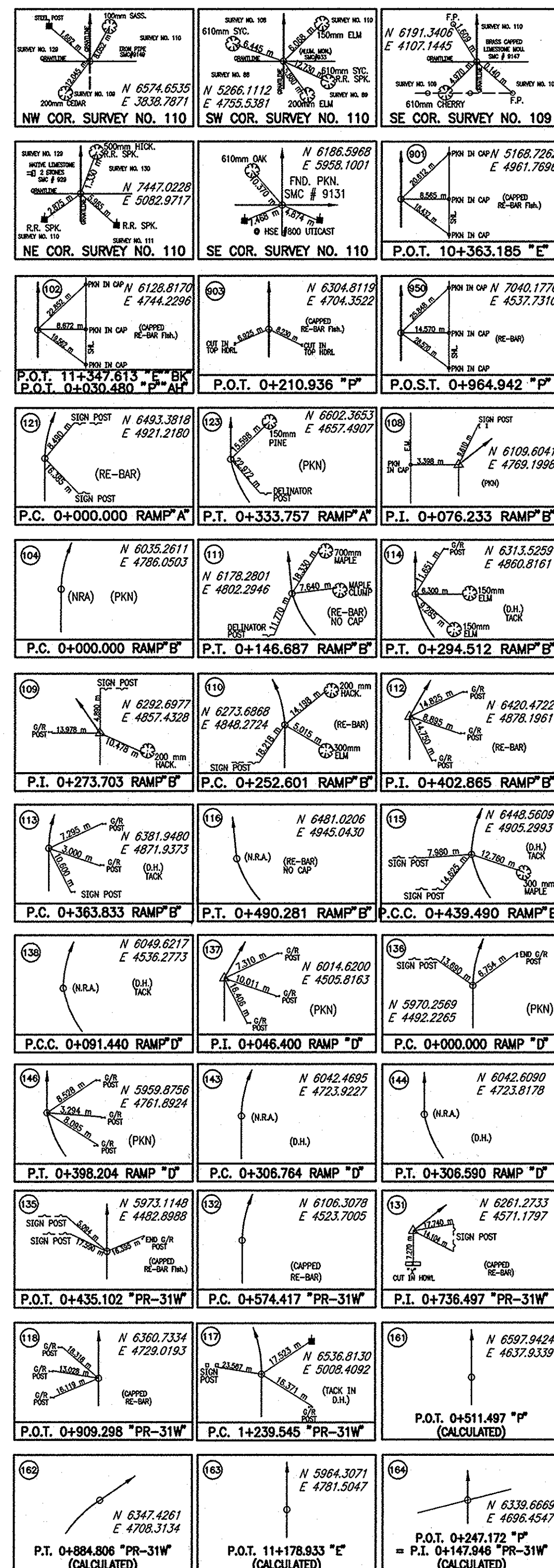
Route Survey - I-65 & S.R. 311
 Survey No. 110, Illinois Grant
 Silver Creek Township
 Clark County, Indiana

General:

All monuments reference ties are shown on the Route Survey Plat.

Should additional USPLS corners be needed where none were found, they should be re-established and tied into this survey.

Field measurements for this survey were made in accordance with the specifications outlined in 865 I.A.C. 1 - 12. Measurements are shown herein to the nearest 0.001 meter, not to indicate the precision of the work, but to allow for closure and adjustment by others if desired.



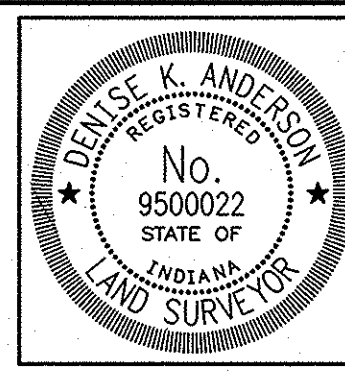
- 9149. Used Iron Pipe per ties provided by the County Surveyor's Office. These ties no longer exist, therefore, the theoretical uncertainty is plus or minus 1.000 meter in any direction.
- 933. Used Alum. Mon. per ties provided by the County Surveyor's Office. The location agrees with said ties, therefore, the theoretical uncertainty is plus or minus 0.150 meter in any direction.
- 9147. Used Brass Capped Limestone Mon. per ties provided by the County Surveyor's Office. The location agrees with said ties, therefore, the theoretical uncertainty is plus or minus 0.150 meter in any direction.
- 929. Used Native Limestone, 2 Stones, per ties provided by the County Surveyor's Office. The location agrees with said ties, therefore, the theoretical uncertainty is plus or minus 0.150 meter in any direction.
- 9131. Used PKN no ties available per County Surveyor's Office. Therefore the theoretical uncertainty is plus or minus 1.50 meters in any direction.
- 901. Capped Rebar set. Original monument, therefore there is no uncertainty.
- 102. Capped Rebar set. Original monument, therefore there is no uncertainty.
- 903. Capped Rebar set. Original monument, therefore there is no uncertainty.
- 950. Rebar set. Original monument, therefore there is no uncertainty.
- 121. Rebar set. Original monument, therefore there is no uncertainty.
- 123. PKN set. Original monument, therefore there is no uncertainty.
- 108. PKN set. Original monument, therefore there is no uncertainty.
- 104. PKN set. Original monument, therefore there is no uncertainty.
- 111. Rebar set. Original monument, therefore there is no uncertainty.
- 114. Tack in Drill Hole set. Original monument, therefore there is no uncertainty.
- 109. Rebar set. Original monument, therefore there is no uncertainty.
- 110. Rebar set. Original monument, therefore there is no uncertainty.
- 112. Rebar set. Original monument, therefore there is no uncertainty.
- 113. Tack in Drill Hole set. Original monument, therefore there is no uncertainty.
- 116. Rebar set. Original monument, therefore there is no uncertainty.
- 115. Tack in Drill Hole set. Original monument, therefore there is no uncertainty.
- 138. Tack in Drill Hole set. Original monument, therefore there is no uncertainty.
- 137. PKN set. Original monument, therefore there is no uncertainty.
- 136. PKN set. Original monument, therefore there is no uncertainty.
- 146. PKN set. Original monument, therefore there is no uncertainty.
- 143. Drill Hole set. Original monument, therefore there is no uncertainty.
- 144. Drill Hole set. Original monument, therefore there is no uncertainty.
- 135. Capped Rebar set. Original monument, therefore there is no uncertainty.
- 132. Capped Rebar set. Original monument, therefore there is no uncertainty.
- 131. Capped Rebar set. Original monument, therefore there is no uncertainty.
- 118. Capped Rebar set. Original monument, therefore there is no uncertainty.
- 117. Tack in Drill Hole set. Original monument, therefore there is no uncertainty.
- 161. Calculated location for P.O.T. 0+511.497 Line "P". No monument was set.
- 162. Calculated location for P.T. 0+884.806 Line "PR-31W". No monument was set.
- 163. Calculated location for P.O.T. 11+178.933 Line "E". No monument was set.
- 164. Calculated location for P.O.T. 0+247.172 Line "P" = P.I. 0+147.946 Line "PR-31W". No monument was set.

FOR
 INFORMATION
 ONLY

SURVEY STARTED	11-20-95
SURVEY COMPLETED	12-14-95
ROUTE PLAT SHEETS	2 OF 2

FIELD SURVEYOR'S STATEMENT

THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS EXECUTED ACCORDING TO THE PROVISIONS OF 865 I.A.C. 1-12-20 REGARDING ROUTE SURVEYS, EXCEPT THAT ANY DATA SHOWN REGARDING THE LOCATION OR DESCRIPTION OF THE EXISTING PARCELS IS NOT A PART OF THIS SURVEY.



RECOMMENDED FOR APPROVAL

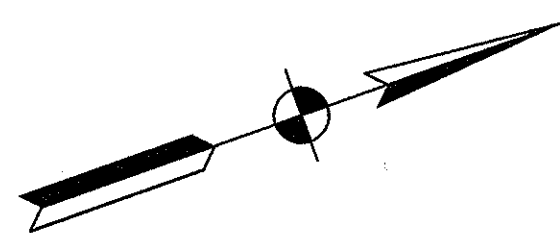
Denise K. Anderson 2-24-97
 REGISTERED LAND SURVEYOR DATE

DRAWN: I.C.L.
 CHECKED: D.K.A.

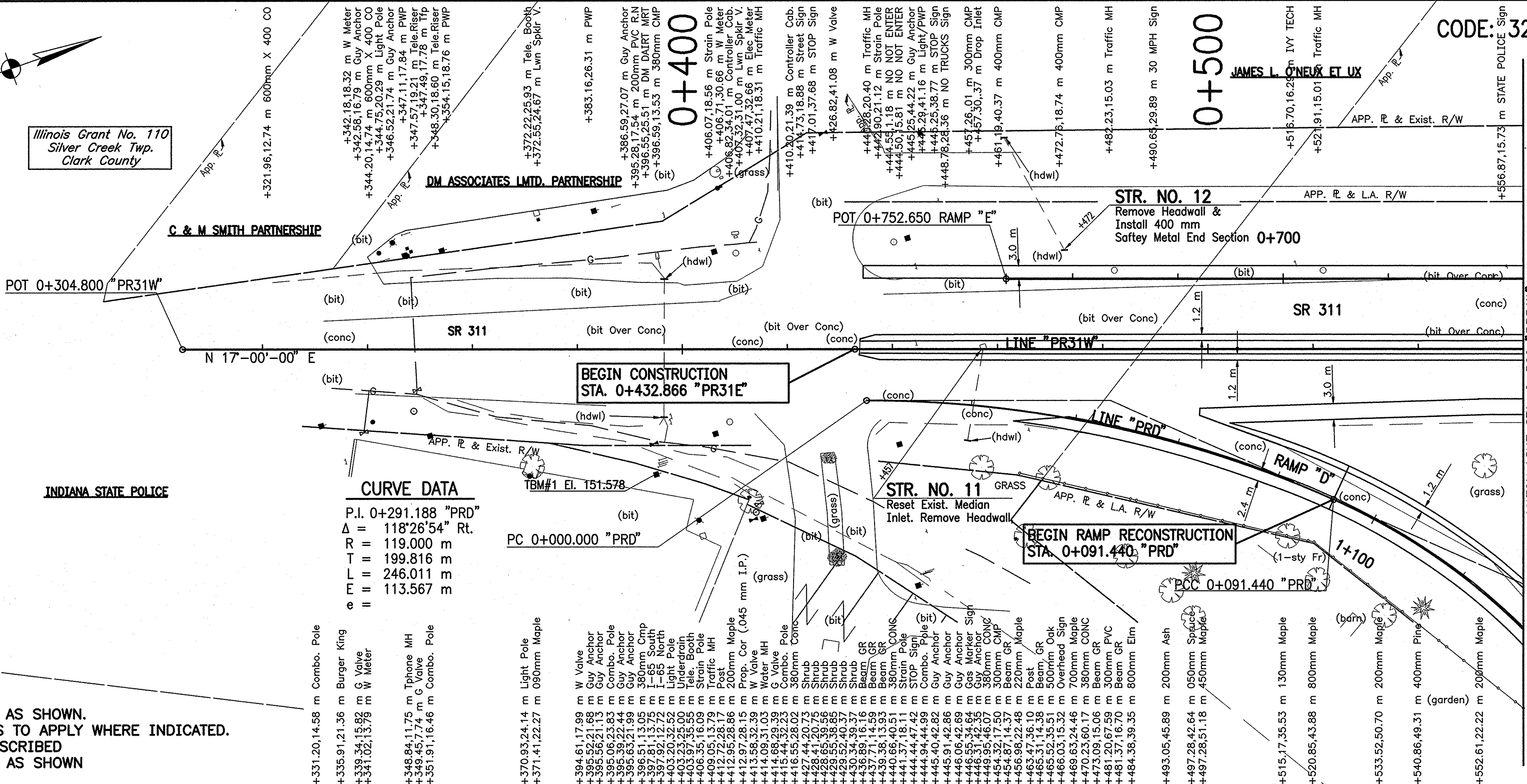
INDIANA
 DEPARTMENT OF TRANSPORTATION

LOCATION CONTROL ROUTE SURVEY

HORIZONTAL SCALE	BRIDGE FILE
1:4000	
COUNTY	DESIGNATION
CLARK	9241915
SURVEY BOOK	SHEETS
	8 of 22
CONTRACT	PROJECT
	MI-65-1(137)8



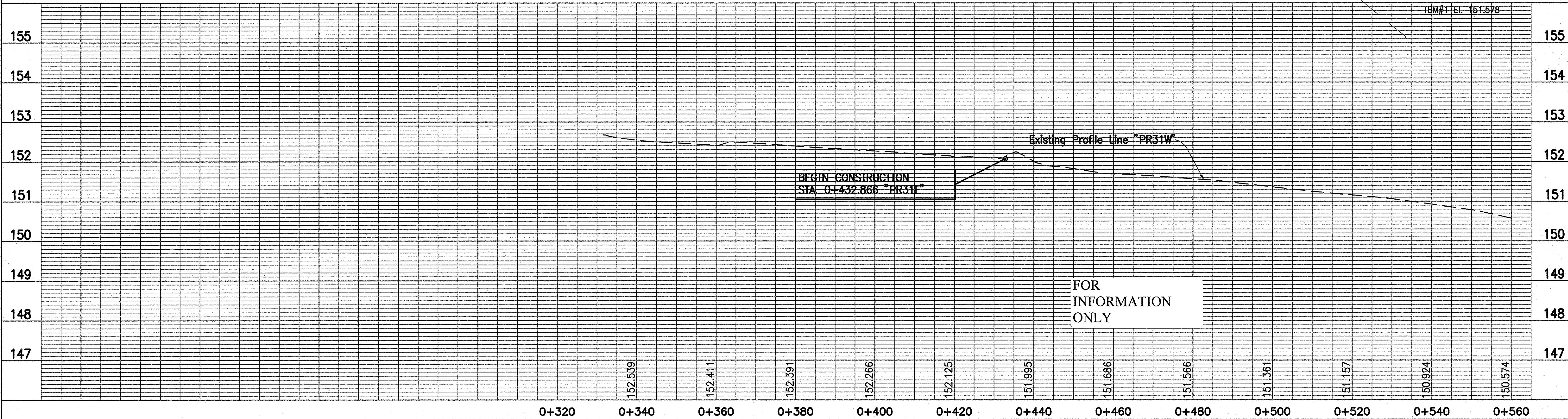
Illinois Grant No. 110
Silver Creek Twp.
Clark County



CURVE DATA

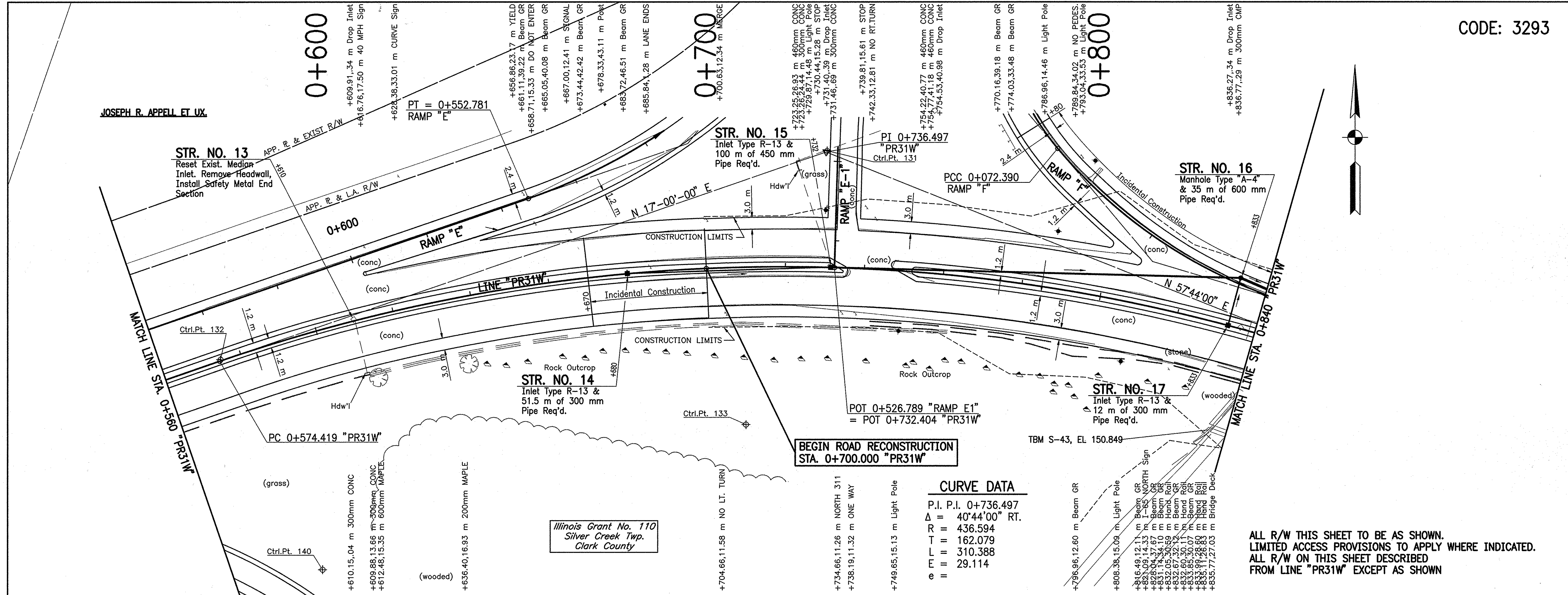
P.I. 0+291.188 "PRD"
 $\Delta = 118^{\circ}26'54"$ Rt.
 R = 119.000 m
 T = 199.816 m
 L = 246.011 m
 E = 113.567 m

ALL R/W THIS SHEET TO BE AS SHOWN.
 LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED.
 ALL R/W ON THIS SHEET DESCRIBED
 FROM LINE "PR31W" EXCEPT AS SHOWN



RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA DEPARTMENT OF TRANSPORTATION PLAN AND PROFILE Sta 0+304 to Sta 0+560 "PR31W"	HORIZONTAL SCALE	BRIDGE FILE
DESIGNED: RES	DRAWN: GFR	CHECKED: RES		1:500 1:50	DESIGNATION 9241915
				SURVEY BOOK	SHEETS
				CONTRACT	9 of 22
					PROJECT
					MI-65-1(137)8

JOSEPH R. APPELL ET UX.

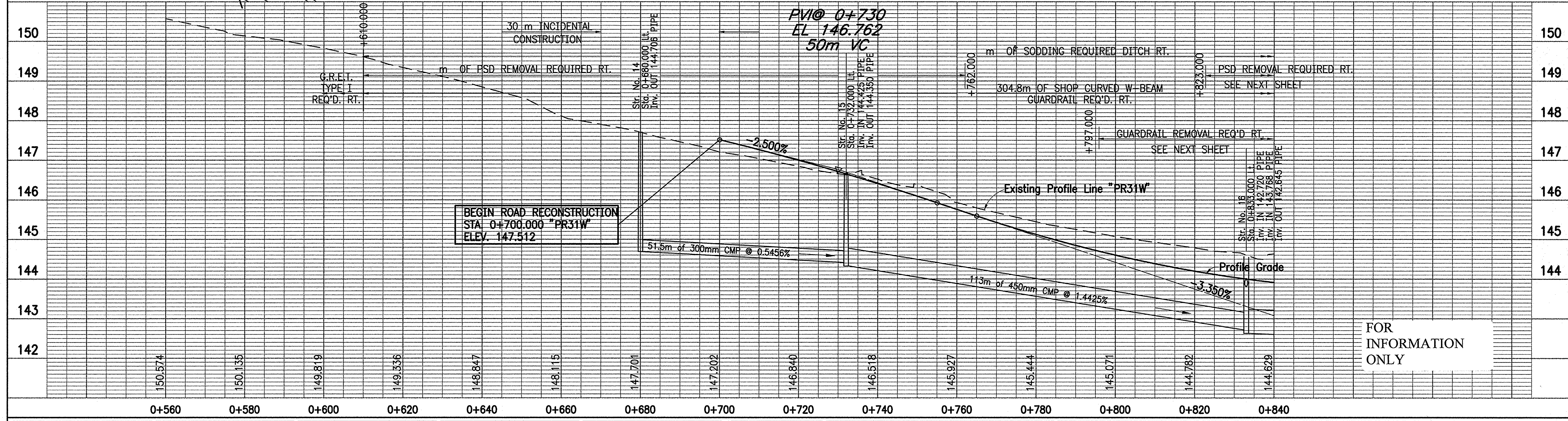


Illinois Grant No. 110
Silver Creek Twp.
Clark County

CURVE DATA

P.I. P.I.	0+736.497
Δ	40°44'00" RT.
R	436.594
T	162.079
L	310.388
e	29.114

ALL R/W THIS SHEET TO BE AS SHOWN.
LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED.
ALL R/W ON THIS SHEET DESCRIBED
FROM LINE "PR31W" EXCEPT AS SHOWN

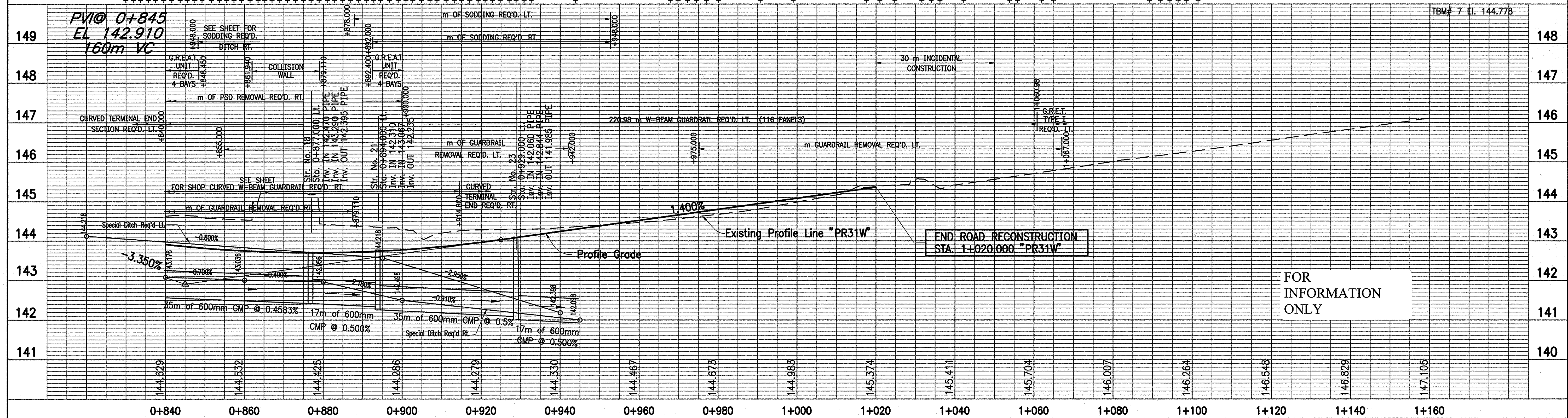
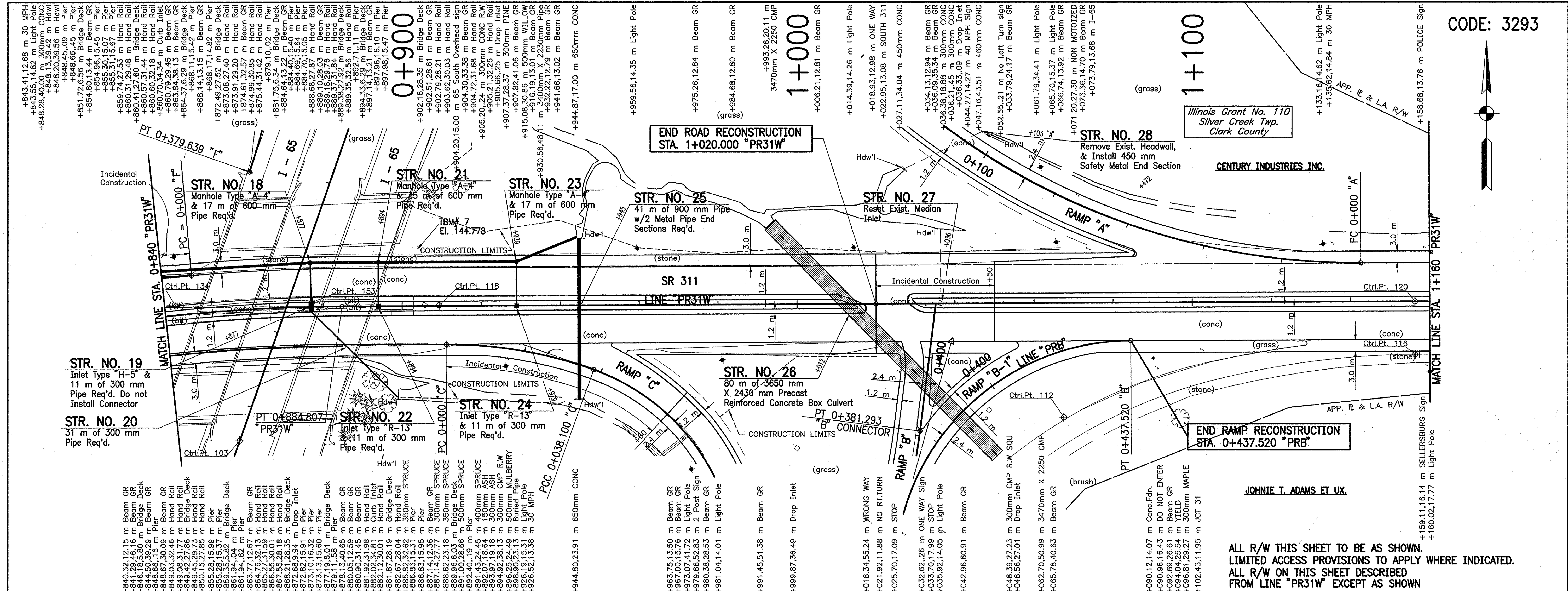


RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: RES	DRAWN: GFR	
CHECKED: RES	CHECKED: RES	

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
Sta 0+560 to Sta 0+840 "PR31W"

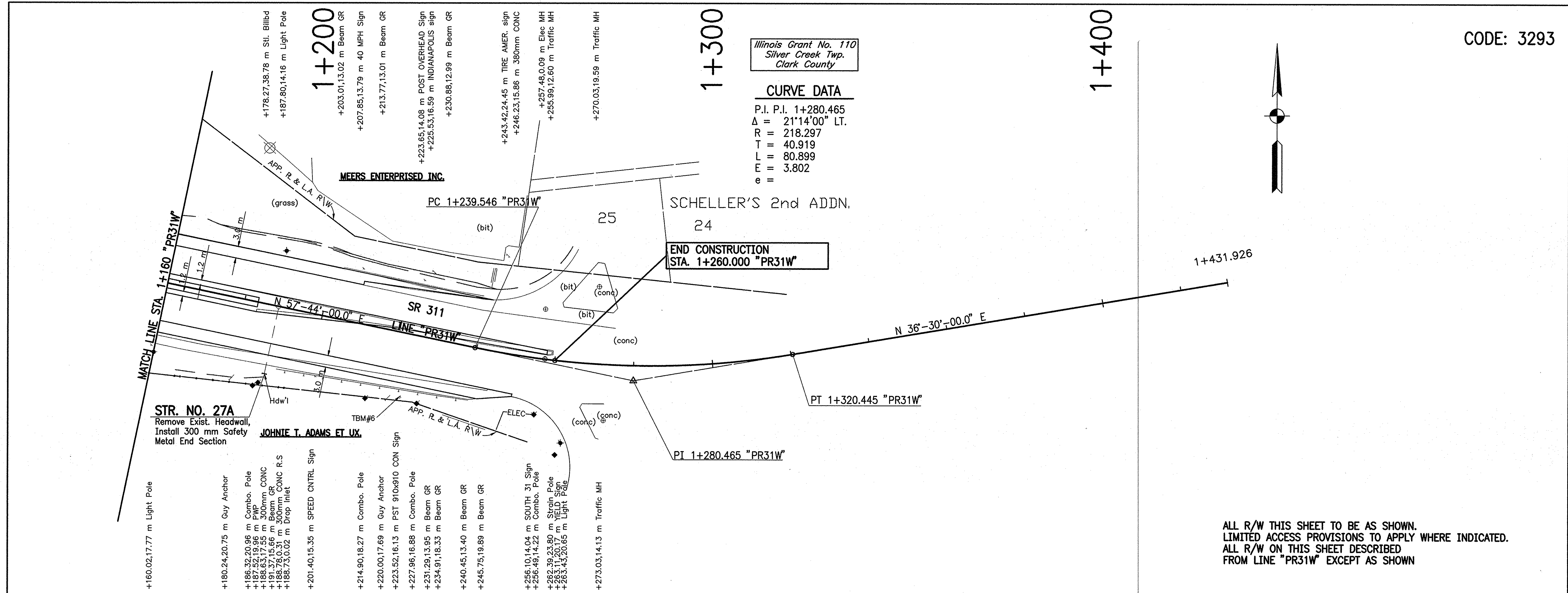
HORIZONTAL SCALE	BRIDGE FILE
1:500	
VERTICAL SCALE	DESIGNATION
1:50	9241915
SURVEY BOOK	SHEETS
	10 of 22
CONTRACT	PROJECT
	IM-65-1(137)B



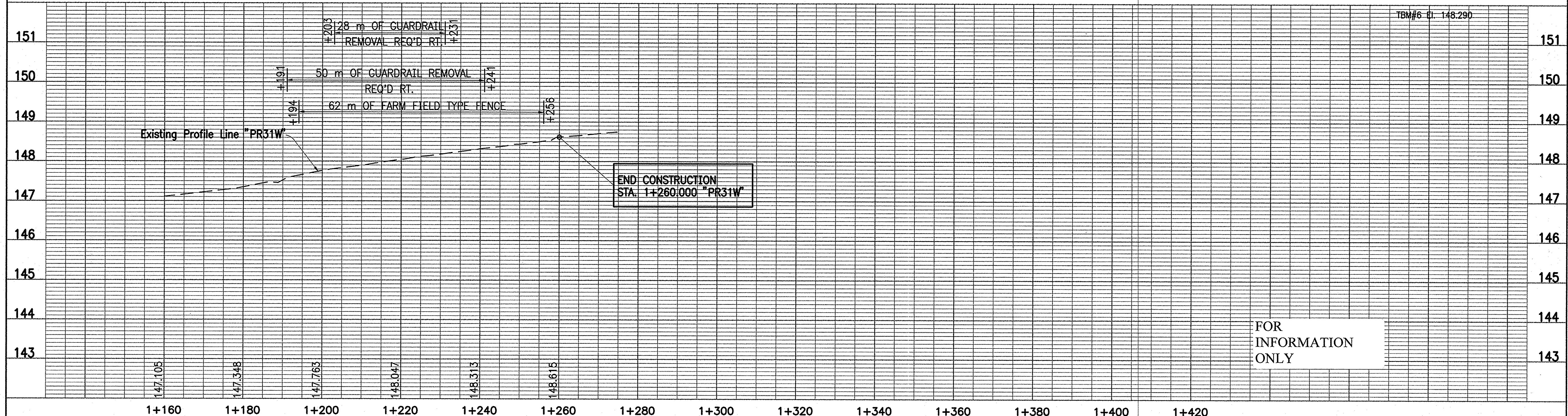
ALL R/W THIS SHEET TO BE AS SHOWN.
 LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED.
 ALL R/W ON THIS SHEET DESCRIBED
 FROM LINE "PR31W" EXCEPT AS SHOWN

FOR
 INFORMATION
 ONLY

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE	
DESIGNED: RES		DRAWN: GFR			
CHECKED: RES		CHECKED: RES			
INDIANA DEPARTMENT OF TRANSPORTATION PLAN AND PROFILE Sta 0+840 to Sta 1+160 "PR31W"				HORIZONTAL SCALE 1:500 VERTICAL SCALE 1:50 SURVEY BOOK 11 of 22 SHEETS CONTRACT PROJECT IM-65-1(137)8	

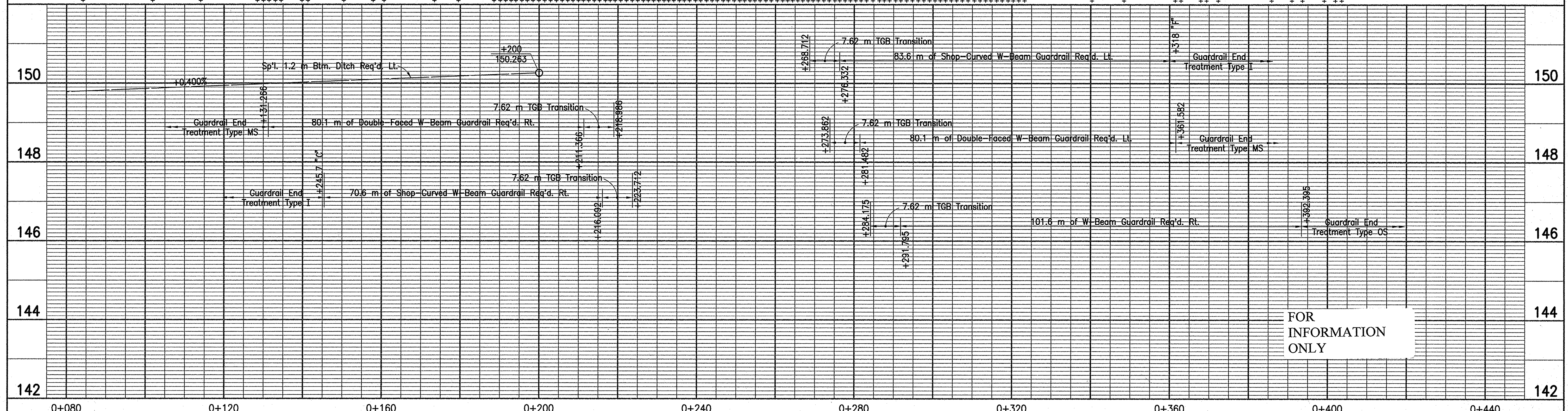
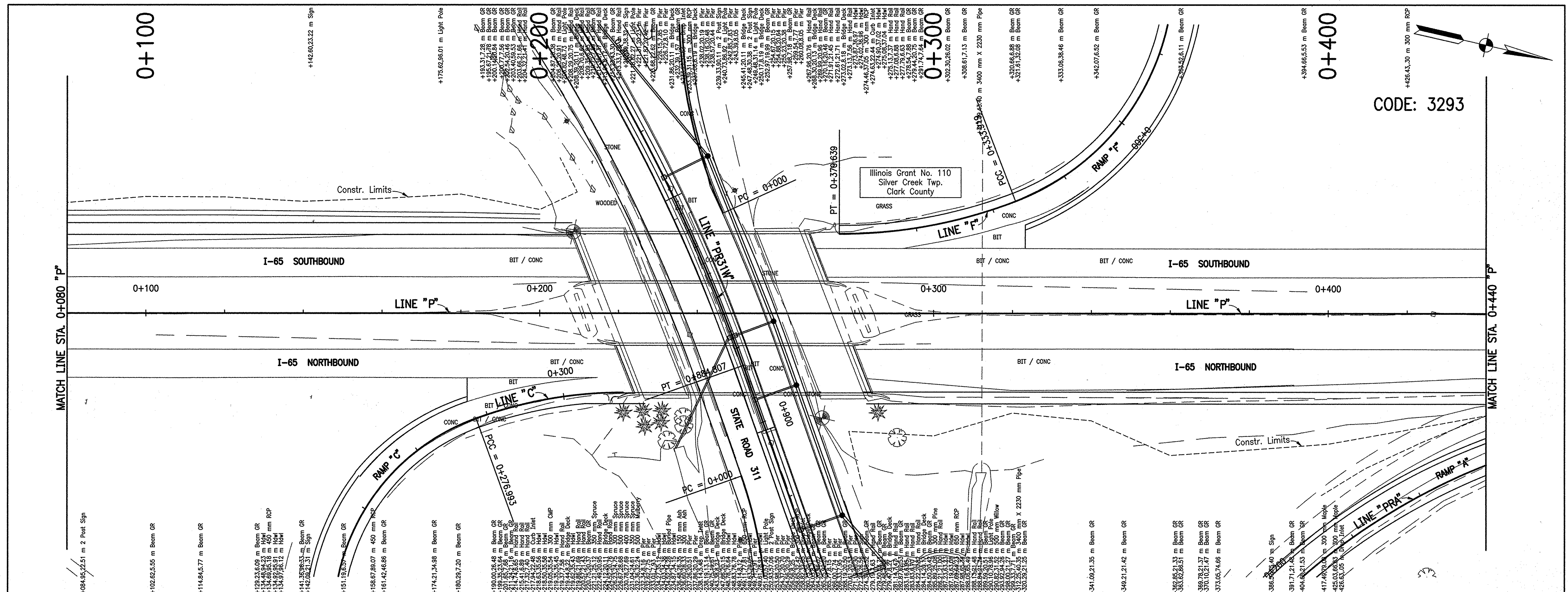


ALL R/W THIS SHEET TO BE AS SHOWN.
LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED.
ALL R/W ON THIS SHEET DESCRIBED
FROM LINE "PR31W" EXCEPT AS SHOWN



FOR
INFORMATION
ONLY

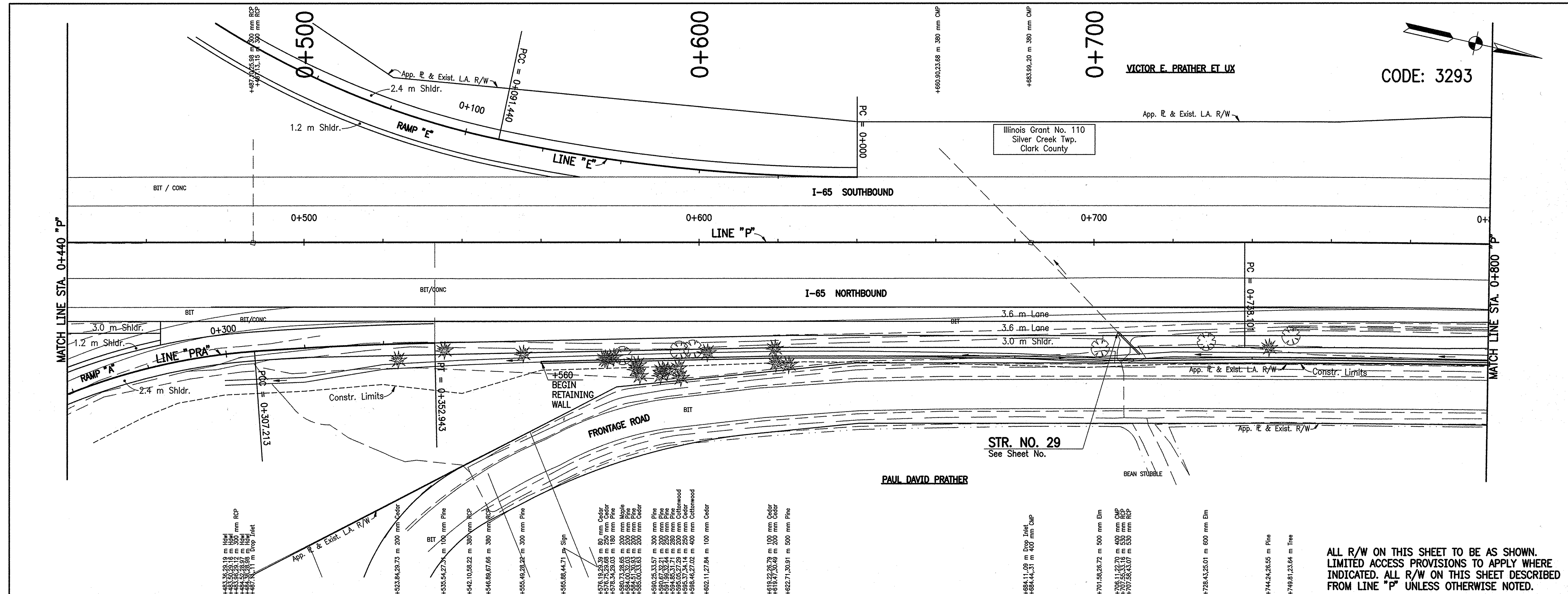
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DESIGNED: RES		DRAWN: GFR		CHECKED: RES				VERTICAL SCALE		DESIGNATION	
CHECKED: RES		CHECKED: RES						1:50		9241915	
						SURVEY BOOK		SHEETS			
						CONTRACT		12 of 22		PROJECT	
										IM-65-1(137)8	



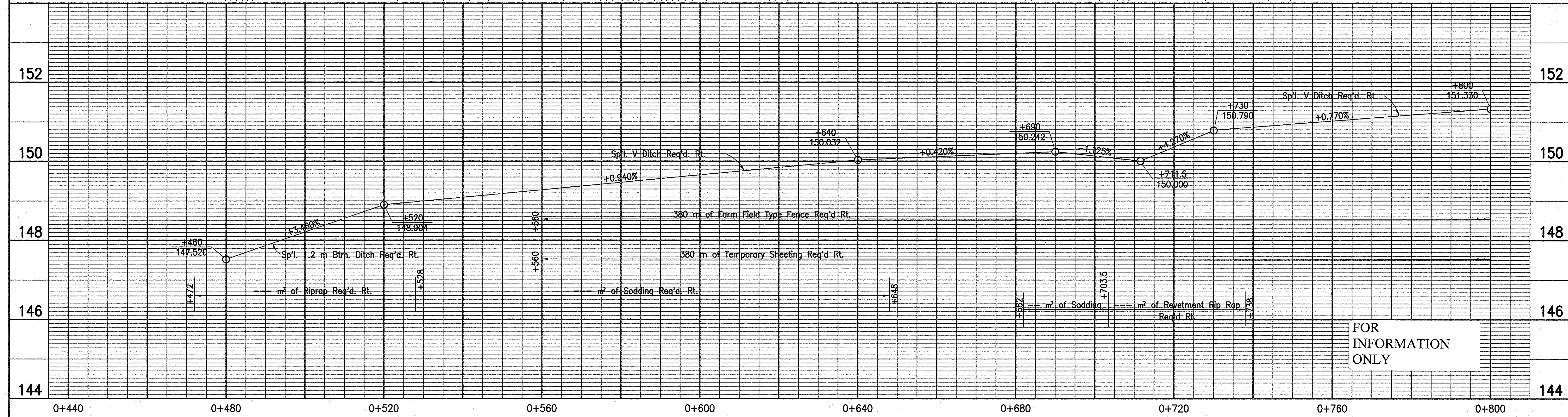
0+080	0+120	0+160	0+200	0+240	0+280	0+320	0+360	0+400	0+440					
RECOMMENDED FOR APPROVAL					DESIGN ENGINEER		DATE							
DESIGNED: D.G.F.			DRAWN: C.C.											
CHECKED: R.E.S.			CHECKED: R.E.S.											
INDIANA DEPARTMENT OF TRANSPORTATION					HORIZONTAL SCALE					BRIDGE FILE				
					1:500									
PLAN AND PROFILE					VERTICAL SCALE					DESIGNATION				
					1:50					9241915				
STA. 0+080 TO STA. 0+440 "P"					SURVEY BOOK					SHEETS				
										15 of 22				
					CONTRACT					PROJECT				
										IM-65-1(137)8				

CODE: 3293

VICTOR E. PRATHER ET UX

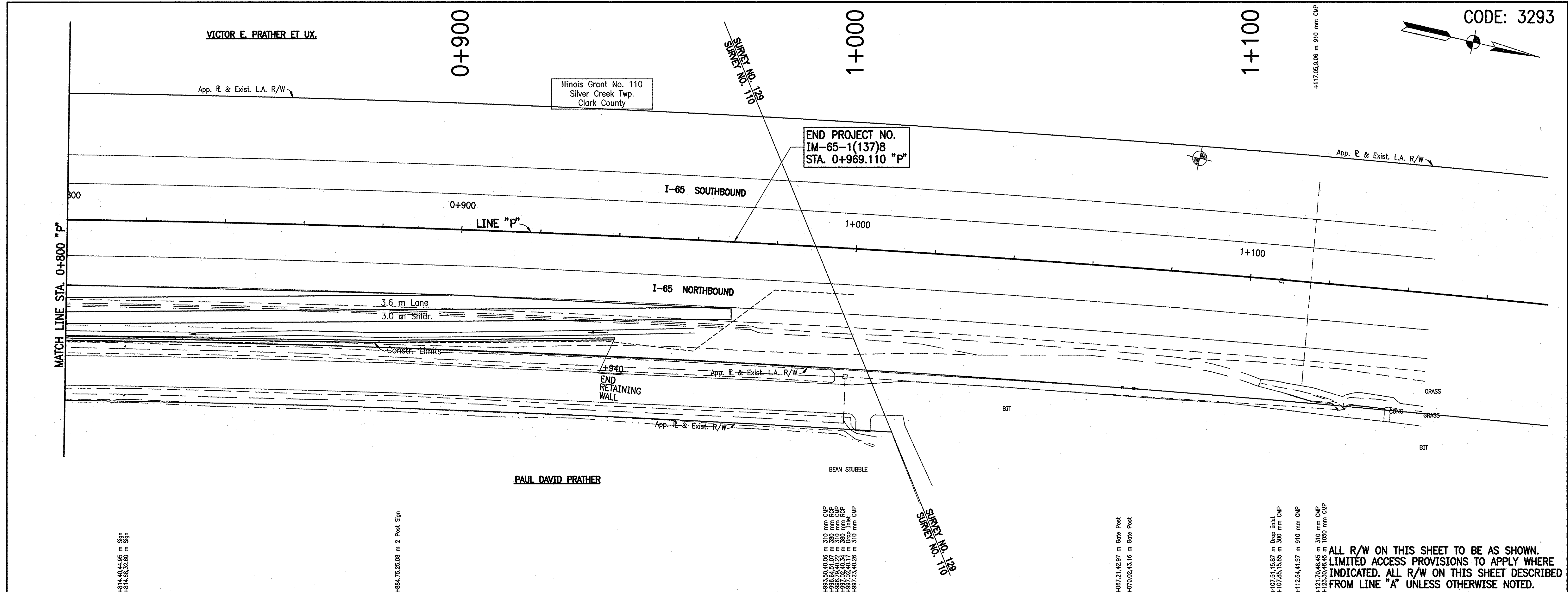


ALL R/W ON THIS SHEET TO BE AS SHOWN. LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED. ALL R/W ON THIS SHEET DESCRIBED FROM LINE "P" UNLESS OTHERWISE NOTED.

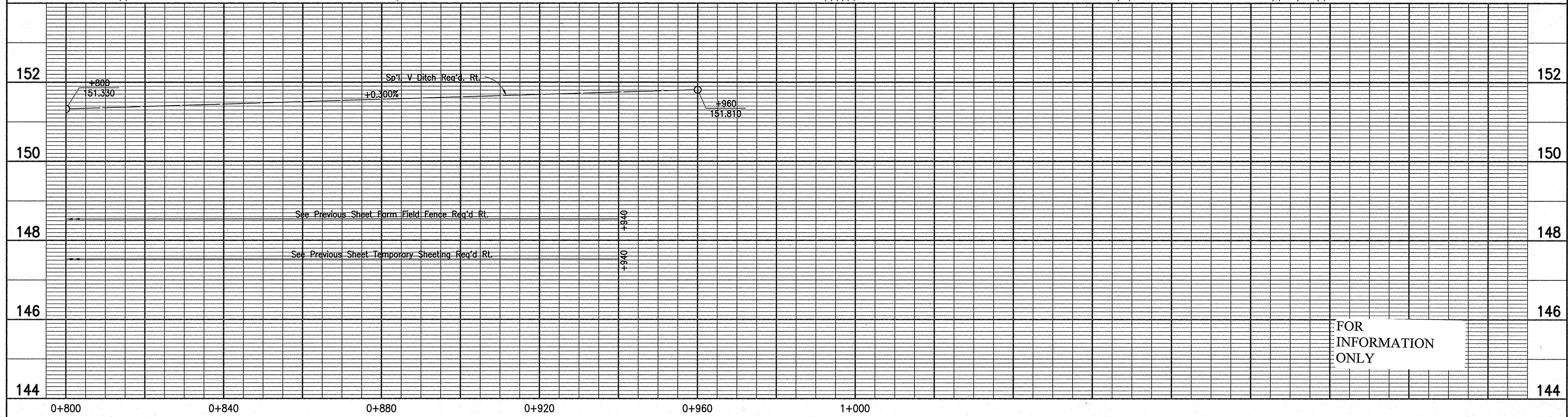


FOR INFORMATION ONLY

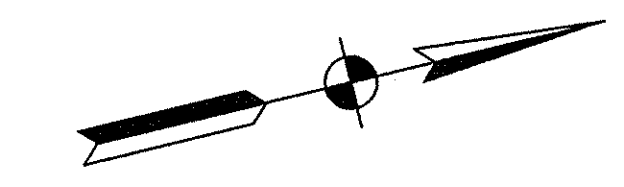
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____		INDIANA DEPARTMENT OF TRANSPORTATION PLAN AND PROFILE STA. 0+440 TO STA. 0+800 "P"	HORIZONTAL SCALE 1:500	BRIDGE FILE
DESIGNED: D.G.F.	DRAWN: C.C.		VERTICAL SCALE 1:50	DESIGNATION 9241915
CHECKED: R.E.S.	CHECKED: R.E.S.		SURVEY BOOK _____	SHEETS 16 of 22
			CONTRACT _____	PROJECT IM-65-1(137)B



ALL R/W ON THIS SHEET TO BE AS SHOWN. LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED. ALL R/W ON THIS SHEET DESCRIBED FROM LINE "A" UNLESS OTHERWISE NOTED.



DESIGNED: D.G.F.	DRAWN: C.C.	INDIANA DEPARTMENT OF TRANSPORTATION PLAN AND PROFILE STA. 0+800 "P" TO END	HORIZONTAL SCALE 1:500	BRIDGE FILE
CHECKED: R.E.S.	CHECKED: R.E.S.		VERTICAL SCALE 1:50	DESIGNATION 9241915
			SURVEY BOOK	SHEETS 17 of 22
			CONTRACT	PROJECT IM-65-1(137)8

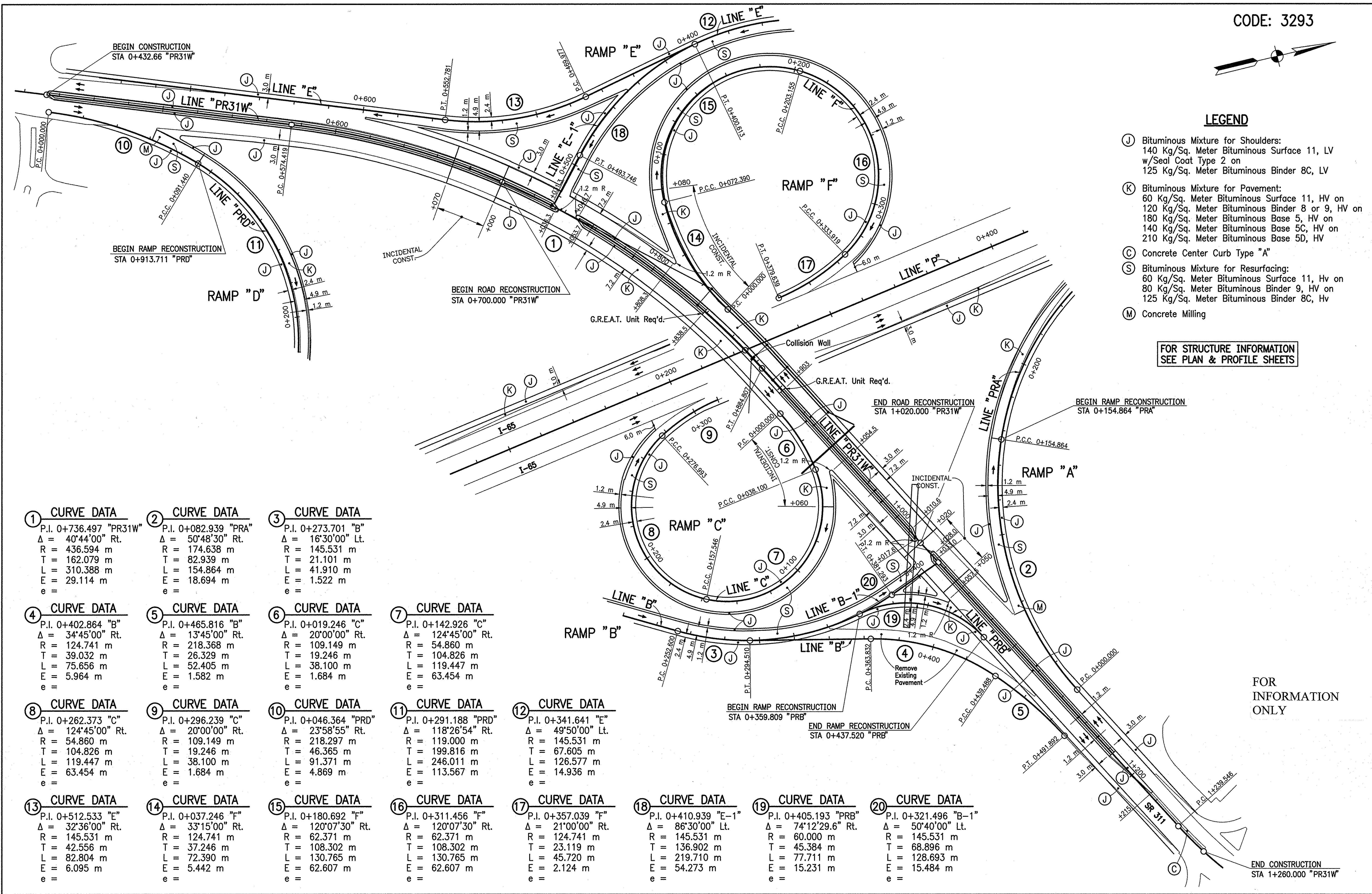


LEGEND

- (J) Bituminous Mixture for Shoulders:
140 Kg/Sq. Meter Bituminous Surface 11, LV
w/Seal Coat Type 2 on
125 Kg/Sq. Meter Bituminous Binder 8C, LV
- (K) Bituminous Mixture for Pavement:
60 Kg/Sq. Meter Bituminous Surface 11, HV on
120 Kg/Sq. Meter Bituminous Binder 8 or 9, HV on
180 Kg/Sq. Meter Bituminous Base 5, HV on
140 Kg/Sq. Meter Bituminous Base 5C, HV on
210 Kg/Sq. Meter Bituminous Base 5D, HV
- (C) Concrete Center Curb Type "A"
- (S) Bituminous Mixture for Resurfacing:
60 Kg/Sq. Meter Bituminous Surface 11, Hv on
80 Kg/Sq. Meter Bituminous Binder 9, HV on
125 Kg/Sq. Meter Bituminous Binder 8C, Hv
- (M) Concrete Milling

FOR STRUCTURE INFORMATION
SEE PLAN & PROFILE SHEETS

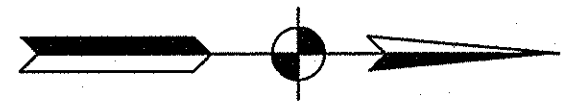
FOR
INFORMATION
ONLY



<p>1 CURVE DATA P.I. 0+736.497 "PR31W" Δ = 40°44'00" Rt. R = 436.594 m T = 162.079 m L = 310.388 m E = 29.114 m e =</p>	<p>2 CURVE DATA P.I. 0+082.939 "PRA" Δ = 50°48'30" Rt. R = 174.638 m T = 82.939 m L = 154.864 m E = 18.694 m e =</p>	<p>3 CURVE DATA P.I. 0+273.701 "B" Δ = 16°30'00" Lt. R = 145.531 m T = 21.101 m L = 41.910 m E = 1.522 m e =</p>	<p>4 CURVE DATA P.I. 0+402.864 "B" Δ = 34°45'00" Rt. R = 124.741 m T = 39.032 m L = 75.656 m E = 5.964 m e =</p>	<p>5 CURVE DATA P.I. 0+465.816 "B" Δ = 13°45'00" Rt. R = 218.368 m T = 26.329 m L = 52.405 m E = 1.582 m e =</p>	<p>6 CURVE DATA P.I. 0+019.246 "C" Δ = 20°00'00" Rt. R = 109.149 m T = 19.246 m L = 38.100 m E = 1.684 m e =</p>	<p>7 CURVE DATA P.I. 0+142.926 "C" Δ = 124°45'00" Rt. R = 54.860 m T = 104.826 m L = 119.447 m E = 63.454 m e =</p>	<p>8 CURVE DATA P.I. 0+262.373 "C" Δ = 124°45'00" Rt. R = 54.860 m T = 104.826 m L = 119.447 m E = 63.454 m e =</p>	<p>9 CURVE DATA P.I. 0+296.239 "C" Δ = 20°00'00" Rt. R = 109.149 m T = 19.246 m L = 38.100 m E = 1.684 m e =</p>	<p>10 CURVE DATA P.I. 0+046.364 "PRD" Δ = 23°58'55" Rt. R = 218.297 m T = 46.365 m L = 91.371 m E = 4.869 m e =</p>	<p>11 CURVE DATA P.I. 0+291.188 "PRD" Δ = 118°26'54" Rt. R = 119.000 m T = 199.816 m L = 246.011 m E = 113.567 m e =</p>	<p>12 CURVE DATA P.I. 0+341.641 "E" Δ = 49°50'00" Lt. R = 145.531 m T = 67.605 m L = 126.577 m E = 14.936 m e =</p>	<p>13 CURVE DATA P.I. 0+512.533 "E" Δ = 32°36'00" Rt. R = 145.531 m T = 42.556 m L = 82.804 m E = 6.095 m e =</p>	<p>14 CURVE DATA P.I. 0+037.246 "F" Δ = 33°15'00" Rt. R = 124.741 m T = 37.246 m L = 72.390 m E = 5.442 m e =</p>	<p>15 CURVE DATA P.I. 0+180.692 "F" Δ = 120°07'30" Rt. R = 62.371 m T = 108.302 m L = 130.765 m E = 62.607 m e =</p>	<p>16 CURVE DATA P.I. 0+311.456 "F" Δ = 120°07'30" Rt. R = 62.371 m T = 108.302 m L = 130.765 m E = 62.607 m e =</p>	<p>17 CURVE DATA P.I. 0+357.039 "F" Δ = 21°00'00" Rt. R = 124.741 m T = 23.119 m L = 45.720 m E = 2.124 m e =</p>	<p>18 CURVE DATA P.I. 0+410.939 "E-1" Δ = 86°30'00" Lt. R = 145.531 m T = 136.902 m L = 219.710 m E = 54.273 m e =</p>	<p>19 CURVE DATA P.I. 0+405.193 "PRB" Δ = 74°12'29.6" Rt. R = 60.000 m T = 45.384 m L = 77.711 m E = 15.231 m e =</p>	<p>20 CURVE DATA P.I. 0+321.496 "B-1" Δ = 50°40'00" Lt. R = 145.531 m T = 68.896 m L = 128.693 m E = 15.484 m e =</p>
--	---	---	---	---	---	--	--	---	--	---	--	--	--	---	---	--	---	--	--

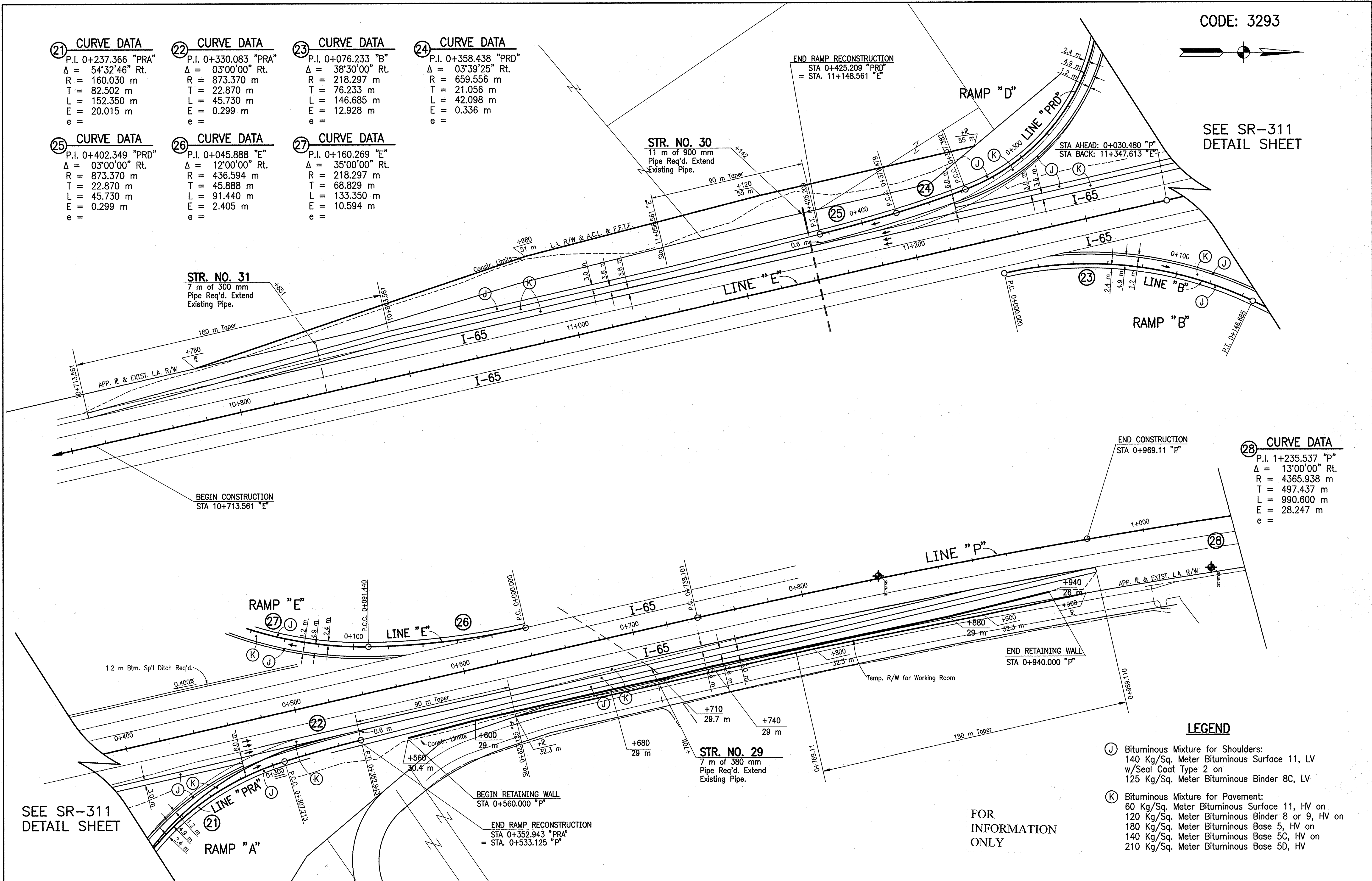
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA DEPARTMENT OF TRANSPORTATION CONSTRUCTION DETAILS S.R. 311	HORIZONTAL SCALE	BRIDGE FILE
DESIGNED: RES	DRAWN: GFR			1:1000	
CHECKED: CTS	CHECKED: RES			VERTICAL SCALE	DESIGNATION
				N.A.	9241915
				SURVEY BOOK	SHEETS
				CONTRACT	18 of 22
					PROJECT
					IM-65-1(137)8

CODE: 3293



SEE SR-311
DETAIL SHEET

21 CURVE DATA P.I. 0+237.366 "PRA" Δ = 54°32'46" Rt. R = 160.030 m T = 82.502 m L = 152.350 m E = 20.015 m e =	22 CURVE DATA P.I. 0+330.083 "PRA" Δ = 03°00'00" Rt. R = 873.370 m T = 22.870 m L = 45.730 m E = 0.299 m e =	23 CURVE DATA P.I. 0+076.233 "B" Δ = 38°30'00" Rt. R = 218.297 m T = 76.233 m L = 146.685 m E = 12.928 m e =	24 CURVE DATA P.I. 0+358.438 "PRD" Δ = 03°39'25" Rt. R = 659.556 m T = 21.056 m L = 42.098 m E = 0.336 m e =
25 CURVE DATA P.I. 0+402.349 "PRD" Δ = 03°00'00" Rt. R = 873.370 m T = 22.870 m L = 45.730 m E = 0.299 m e =	26 CURVE DATA P.I. 0+045.888 "E" Δ = 12°00'00" Rt. R = 436.594 m T = 45.888 m L = 91.440 m E = 2.405 m e =	27 CURVE DATA P.I. 0+160.269 "E" Δ = 35°00'00" Rt. R = 218.297 m T = 68.829 m L = 133.350 m E = 10.594 m e =	



28 CURVE DATA
P.I. 1+235.537 "P"
Δ = 13°00'00" Rt.
R = 4365.938 m
T = 497.437 m
L = 990.600 m
E = 28.247 m
e =

END CONSTRUCTION
STA 0+969.11 "P"

END RETAINING WALL
STA 0+940.000 "P"

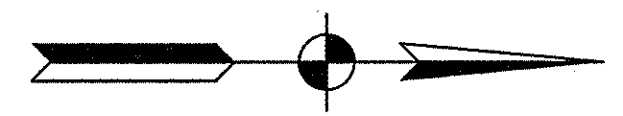
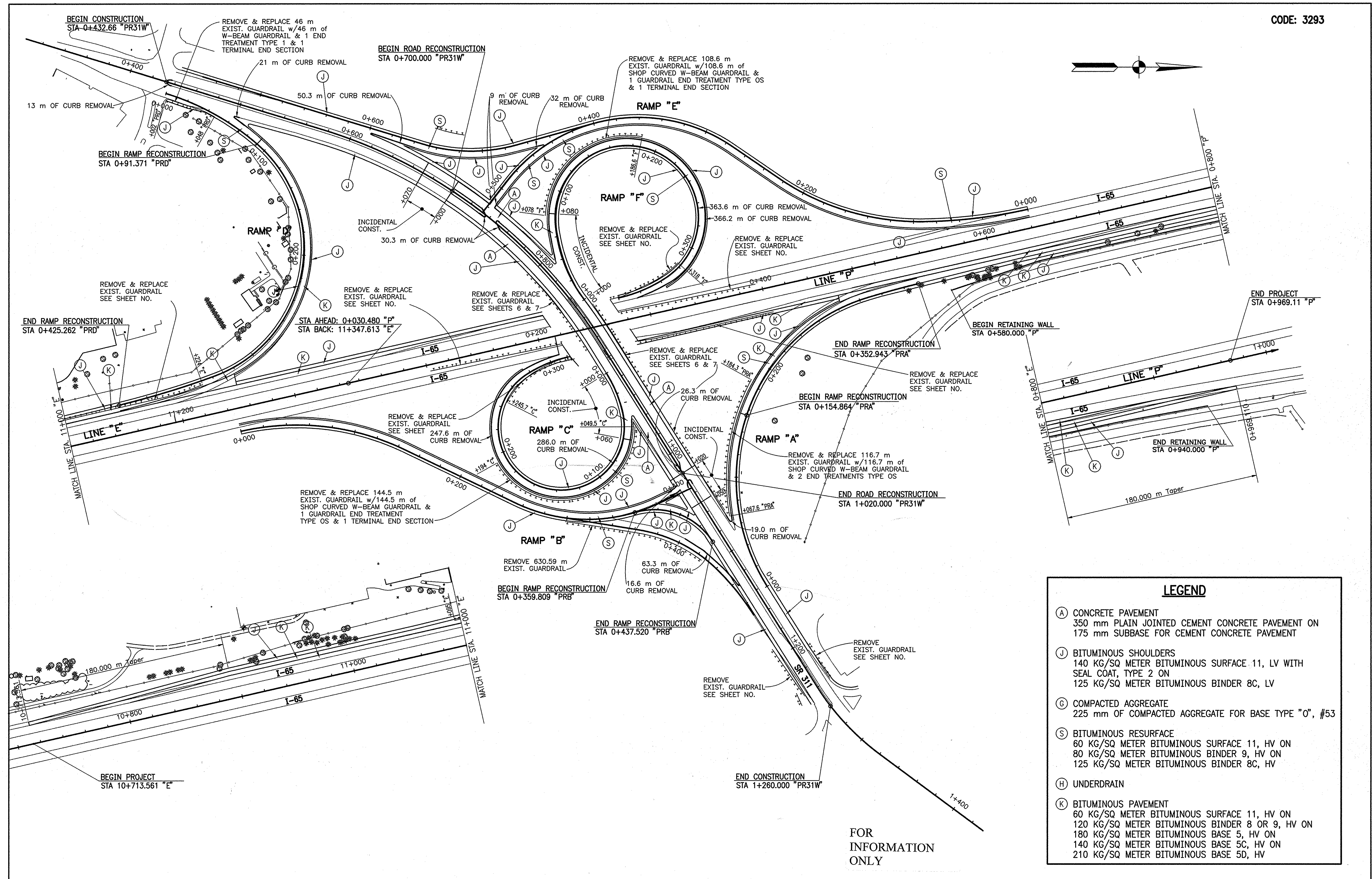
- LEGEND**
- (J) Bituminous Mixture for Shoulders:
140 Kg/Sq. Meter Bituminous Surface 11, LV
w/Seal Coat Type 2 on
125 Kg/Sq. Meter Bituminous Binder 8C, LV
 - (K) Bituminous Mixture for Pavement:
60 Kg/Sq. Meter Bituminous Surface 11, HV on
120 Kg/Sq. Meter Bituminous Binder 8 or 9, HV on
180 Kg/Sq. Meter Bituminous Base 5, HV on
140 Kg/Sq. Meter Bituminous Base 5C, HV on
210 Kg/Sq. Meter Bituminous Base 5D, HV

FOR
INFORMATION
ONLY

SEE SR-311
DETAIL SHEET

RECOMMENDED FOR APPROVAL		INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE
DESIGNED: RES			1:1000	
DRAWN: GFR		CONSTRUCTION DETAILS	VERTICAL SCALE	DESIGNATION
CHECKED: CTS		I-65	N.A.	9241915
			SURVEY BOOK	SHEETS
			CONTRACT	19 of 22
				PROJECT
				IM-65-1(137)8

C:\ACAD\DWG\13174\90\det165 Fri Feb 21 08:46:01 1997 Mettling



LEGEND	
(A)	CONCRETE PAVEMENT 350 mm PLAIN JOINTED CEMENT CONCRETE PAVEMENT ON 175 mm SUBBASE FOR CEMENT CONCRETE PAVEMENT
(J)	BITUMINOUS SHOULDERS 140 KG/SQ METER BITUMINOUS SURFACE 11, LV WITH SEAL COAT, TYPE 2 ON 125 KG/SQ METER BITUMINOUS BINDER 8C, LV
(G)	COMPACTED AGGREGATE 225 mm OF COMPACTED AGGREGATE FOR BASE TYPE "O", #53
(S)	BITUMINOUS RESURFACE 60 KG/SQ METER BITUMINOUS SURFACE 11, HV ON 80 KG/SQ METER BITUMINOUS BINDER 9, HV ON 125 KG/SQ METER BITUMINOUS BINDER 8C, HV
(H)	UNDERDRAIN
(K)	BITUMINOUS PAVEMENT 60 KG/SQ METER BITUMINOUS SURFACE 11, HV ON 120 KG/SQ METER BITUMINOUS BINDER 8 OR 9, HV ON 180 KG/SQ METER BITUMINOUS BASE 5, HV ON 140 KG/SQ METER BITUMINOUS BASE 5C, HV ON 210 KG/SQ METER BITUMINOUS BASE 5D, HV

FOR
INFORMATION
ONLY

				RECOMMENDED FOR APPROVAL DESIGN ENGINEER _____ DATE _____		INDIANA DEPARTMENT OF TRANSPORTATION DETAIL SHEET		HORIZONTAL SCALE 1:1500		BRIDGE FILE	
				DESIGNED: RES _____ DRAWN: GFR _____ CHECKED: RES _____ CHECKED: RES _____				VERTICAL SCALE N.A.		DESIGNATION 9241915	
								SURVEY BOOK		SHEETS 20 of 22	
								CONTRACT		PROJECT IM-65-1(137)8	

SUMMARY OF QUANTITIES AND APPROACH TABLE

CODE: 3293

LOCATION (STATION)	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH "W" METERS	LENGTH "L" METERS	DISTANCE BEYOND R/W LINE METERS	RADII "R" METERS	GRADE (LESS THAN 10% NOT SHOWN)	EXCAVATION		BITUM. MIXT. FOR APPROACHES	BITUMINOUS MATERIAL FOR ROADS									BITUMINOUS MATERIAL FOR:			TYPE "O" COMPACTED AGGREGATE FOR BASE NO. 5.3			350 mm PLAIN CEMENT CONC. PAVEMENT	175mm SUBBASE FOR CEMENT CONC. PAVEMENT	CONC. MEDIAN TYPE "A"	REMOVE CONCRETE PAVED DITCH	REMOVE CURB	CONCRETE MILLING	PAVEMENT REMOVAL	FENCE REMOVAL	REMARKS
							CUT	FILL		SURFACE 11, HV 60 Kg/m ²	SURFACE 11, LV 140Kg/m ²	BINDER 8 or 9, HV 80 Kg/m ²	BINDER 8 or 9, HV 120Kg/m ²	BINDER 8 or 9, HV 125Kg/m ²	BINDER 8 or 9, LV 125Kg/m ²	BASE 5, HV 180Kg/m ²	BASE 5C, HV 140Kg/m ²	BASE 5D, HV 210Kg/m ²	SEAL COAT	PRIME COAT	TACK COAT	225mm											
																						Mg.	Mg.	Mg.									
FOR INFORMATION ONLY																																	

RECOMMENDED FOR APPROVAL _____	
DESIGN ENGINEER	DATE
DESIGNED: DPF	DRAWN: DPF
CHECKED: RES	CHECKED: RES

**INDIANA
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES AND
APPROACH TABLE**

HORIZONTAL SCALE NONE	BRIDGE FILE
VERTICAL SCALE NONE	DESIGNATION NO. 9241915
SURVEY BOOK	SHEETS 21 of 22
CONTRACT	PROJECT NO. IM-65-1(137)8

* IF CONTRACTOR ELECTS TO USE METAL PIPE THICKNESS AS SHOWN BELOW TO BE USED.

STRUCTURE DATA

* IF CONTRACTOR ELECTS TO USE METAL PIPE THICKNESS AS SHOWN BELOW TO BE USED.

STRUCTURE NUMBER	LOCATION	LEFT	RIGHT	CROSS	SIZE mm	DESCRIPTION SEE ST'D. SHEET "MP" FOR ACCEPT- ABLE TYPE OF PIPE WITHIN EACH GROUP	GROUP	LENGTH m	SKEW %	FLOW LINE			CONCRETE CLASS "A"	"B" BORROW FOR STR. BACKFILL	BACKFILL METHOD	GAGES OR THICKNESS		VELOCITY Mg.	RIPRAP PIPE END SECTION REINF. STEEL Mg. Eo. Kgs.	REMARKS
										COVER m	UP STREAM ELEV.	DOWN STREAM ELEV.				STEEL	ALUM.			
LINE "PR31W"																				
11	0+457			•	300	Pipe													1	Reset Existing Median Inlet Remove Headwall
12	0+472			•	400	Existing Structure													1	Remove Headwall
13	0+610			•	300	Pipe													1	Reset Existing Median Inlet, Remove Headwall
14	0+680			•	300	Inlet Type "R-13" Pipe	L	51.5		144.706	144.425		*	A						Connect to Str. No. 15
15	0+732			•	450	Inlet Type "R-13" Pipe	L	113		144.350	142.720		*	A						Connect to Str. No. 16
16	0+833			•	600	Manhole Type "A-4" Pipe	L	35		142.645	142.470		*	A						Connect to Str. No. 18
17	0+833			•	300	Inlet Type "R-13" Pipe	L	12		142.840	142.785		*	A						Connect to Str. No. 16
18	0+877			•	600	Manhole Type "A-4" Pipe	L	17		142.395	142.310		*	A						Connect to Str. No. 21
19	0+877			•	300	Inlet Type "H-5" Pipe	L	11		142.944	142.470		*	A						Connect to Str. No. 18
20	0+877			•	300	L Pipe	L	31		142.944									1	Outlet to Ditch Rt.
21	0+894			•	600	Manhole Type "A-4" Pipe	L	35		142.235	142.060		*	A						Connect to Str. No. 23
22	0+894			•	300	Inlet Type "R-13" Pipe	L	11		142.688	142.633		*	A						Connect to Str. No. 21
23	0+929			•	600	Manhole Type "A-4" Pipe	L	17		141.985	141.900		*	A					1	Outlet to Ditch
24	0+929			•	300	Inlet Type "R-13" Pipe	L	11		143.035	142.924		*	A						Connect to Str. No. 23
25	0+945			•	900	A Pipe	A	41		142.015	141.836		*	A					2	Outlet to Ditch Lt.
26	1+012			•	3650 x 2430	Precast Reinforced Conc. Box Culvert		80		141.580	141.506		*	A						Regrade Downstream Channel
27	1+036			•		Existing Structure														Reset Existing Median Inlet
27	1+188			•		Existing Structure													1	Remove Headwall
RAMP "A"																				
28	0+103			•		Existing Structure													1	Remove Headwall
LINE "P"																				
29	0+706			•	375	A Pipe	A	7											1	Extend Existing 380 mm CMP
LINE "E"																				
30	11+142			•	900	A Pipe	A	11											1	Extend Existing 910 mm CMP
30A	11+200			•	450	A Pipe	A	11											2	Extend Existing 910 mm CMP
31	10+851			•	300	A Pipe	A	7											1	Extend Existing 300 mm CMP

STRUCTURE NUMBER	LOCATION	LEFT	RIGHT	CROSS	SIZE mm	DESCRIPTION SEE ST'D. SHEET "MP" FOR ACCEPT- ABLE TYPE OF PIPE WITHIN EACH GROUP	GROUP	LENGTH m	SKEW %	FLOW LINE			CONCRETE CLASS "A"	"B" BORROW FOR STR. BACKFILL	BACKFILL METHOD	GAGES OR THICKNESS		VELOCITY Mg.	RIPRAP PIPE END SECTION REINF. STEEL Mg. Eo. Kgs.	REMARKS	
										COVER m	UP STREAM ELEV.	DOWN STREAM ELEV.				STEEL	ALUM.				

FOR INFORMATION ONLY

LEGEND FOR ABBREVIATION

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

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

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE
DESIGNED: D.G.F.	DRAWN: C.C.			N/A	
CHECKED: R.E.S.	CHECKED: G.F.R.			VERTICAL SCALE	DESIGNATION NO.
			N/A	9241915	
			SURVEY BOOK	SHEETS	
			CONTRACT	22 of 22	
				PROJECT NO.	
				IM-65-1(137)B	