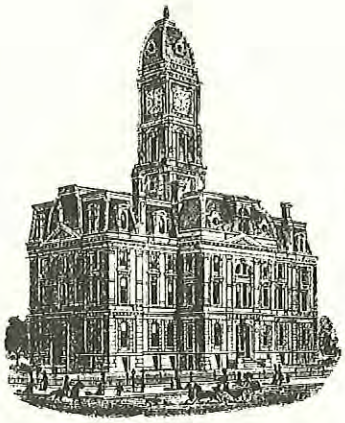


SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, CFM
Surveyor of Hamilton County
Phone (317) 776-8495
Fax (317) 776-9628

Suite 188
One Hamilton County Square
Noblesville, Indiana 46060-2230

February 28, 2013

To: Hamilton County Drainage Board

Re: Anna Kendall Drain, U.S. 31 Reconstruction

Attached are petition, plans, and other information for the proposed reconstruction of the Anna Kendall Drain, for the U.S. 31 Road Project. The reconstruction was petitioned by the Indiana Department of Transportation. During the road reconstruction, the Anna Kendall Drain will be affected and those changes are as follows:

Anna Kendall Drain

The project will reconstruct a portion of Anna Kendall Drain, with the placement of a new box culvert under US 31. The reconstruction will intercept the original open ditch channel at Sta. 137+86, per the original 1882 legal description, then run in a new channel through the new US 31 box culvert and intercept back at the original channel at Sta. 141+67. The new channel length will be 355 feet of open ditch. This is as shown on sheets 42 and 44 of the U.S. 31 Construction plans having project number 1296427, contract number IR-34750, and dated August 10, 2012.

The total length of new drain shall be 355 feet. The 381 feet of original drain between Sta. 137+86 and Sta. 141+67 shall be vacated. This proposal will remove 26 feet from the Anna Kendall overall total length.

The cost of the reconstruction is to be paid by the Indiana Department of Transportation.

Since the petitioner is the Indiana Department of Transportation and is being performed under public bid process, no bond is required for the relocation/reconstruction work.

The easement for this drain shall remain the existing statutory 75' from the centerline of the tile or the top of bank of the open ditch, as per IC 36-9-27-33. This reconstruction of the regulated drain will move the easement and work will be completed in the easement of the following parcels:

Parcel	Owner
09-09-01-00-00-016.000	Westfield LLC
U.S. 31 ROW	Indiana Department of Transportation

I recommend the Board set a hearing for this proposed drain reconstruction for May 28, 2013.

Sincerely,

Kenton C. Ward, CFM
Hamilton County Surveyor

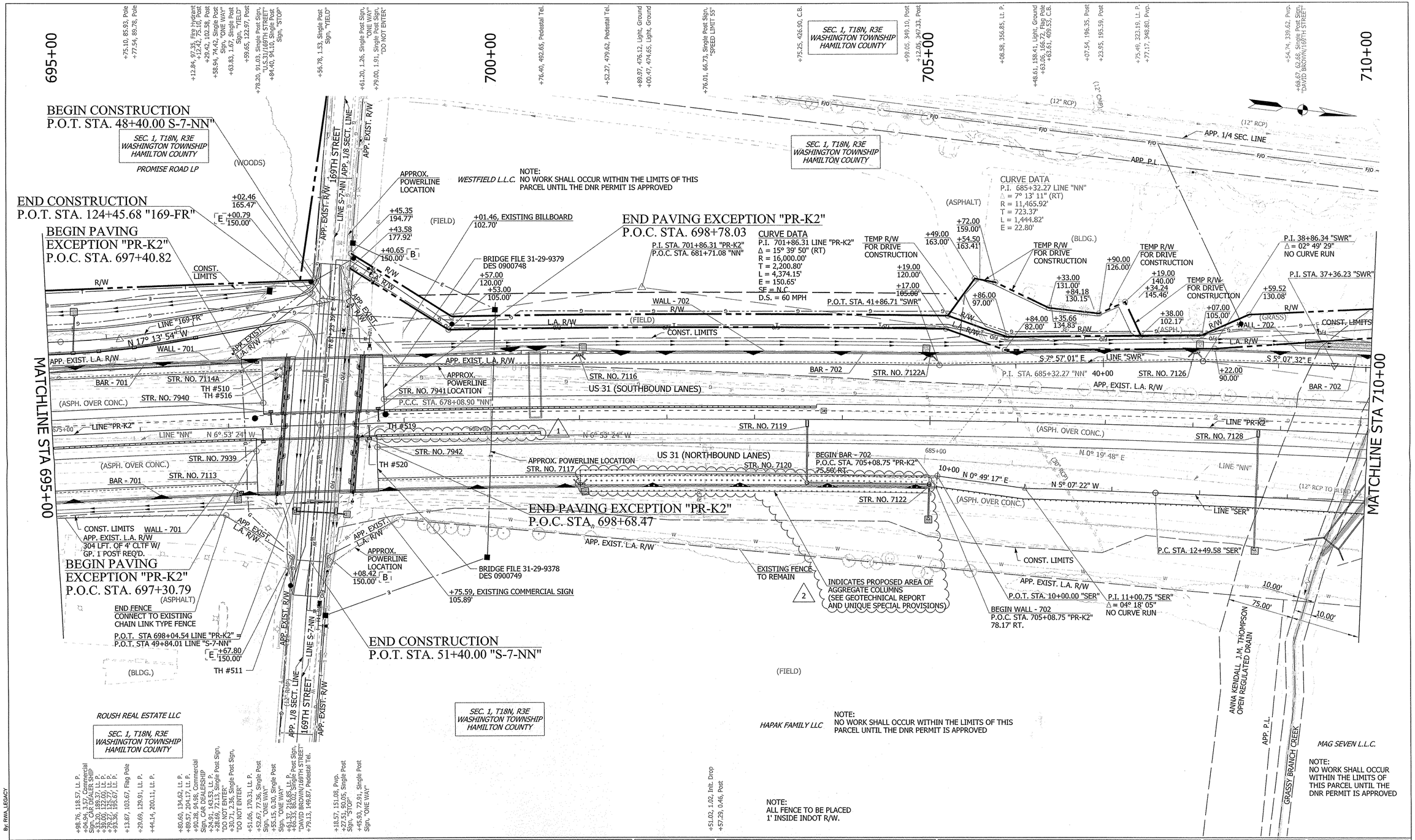
KCW/pll

Anna Kendall #284

U.S. 31 Reconstruction
*No change in current maintenance assessment.
*Cost of reconstruction to be paid by INDOT.
Will add 355' of new drain and vacate 381' of original to make an overall decrease of 26' to the drains length.
The reconstruction will move the easement and work will be completed in the easement on the parcel on this assessment roll.
Hearing: 05/28/13

Parcel	Owner	Description	Benefit	MntAsmt	RecAsmt	Percent of Total
99-99-99-99-99-999.002	Indiana Department Of Transportation	S1 T18 R3 US31 ROW	n/a	*	*	50.00%
09-09-01-00-00-016.000	Westfield LLC	S1 T18 R3 9.75 Ac	n/a	*	*	50.00%

work_grh1.dgn 2/28/2013 2:15:34 PM



By: RWA_LEGACY

B BEGIN EXIST. L.A. R/W
E END EXIST. L.A. R/W
B BEGIN L.A. R/W
E END L.A. R/W
ALL R/W DESCRIBED FROM LINE "PR-K2" EXCEPT AS SHOWN.
LINE "PR-K2" TO BE CONSTRUCTED.
LIMITED ACCESS R/W REQUIREMENTS TO APPLY WHERE INDICATED.

PERMANENT EROSION CONTROL RIPRAP
OVERHEAD BOX TRUSS

1 9-26-2012 REVISED GUARDRAIL AND ADDED NOTE
2 10-11-2012 DETAILS REVISED
1 NOTE: ALL FENCE TO BE PLACED 1' INSIDE INDOT R/W.

JASON L. ROWLEY REGISTERED No. 10403614 STATE OF INDIANA PROFESSIONAL ENGINEER

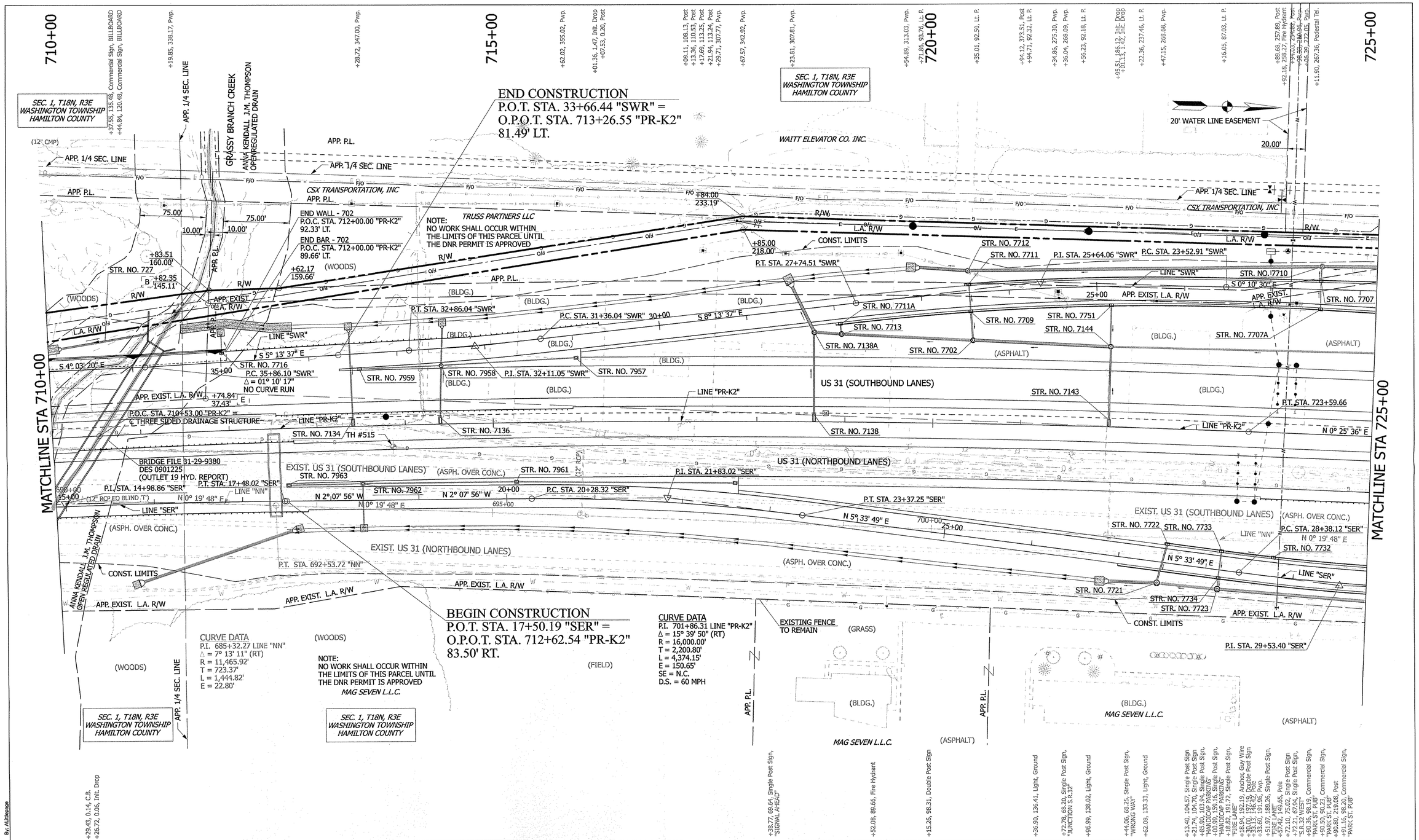
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	9-07-2012 DATE
DESIGNED: TMS	DRAWN: AGL	
CHECKED: JLR	CHECKED: JLR	

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
US 31 - LINE "PR-K2"

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	
VERTICAL SCALE	DESIGNATION
1" = 5'	1296427
SURVEY BOOK	SHEET
	42 of 251
CONTRACT	PROJECT
IR-34750	1296427

10/10/2012
Model: R-PLAN-05
Drawing: p:\transportation\20074350 us31 hamilton\30 sheetdrawings\314 sr32 ic\10 basesets\MM14R-PNP-01.dgn



By: ALittlepage

Plotted on 9/7/2012 at 12:19 PM

B BEGIN EXIST. L.A. R/W	PERMANENT EROSION CONTROL RIPRAP
E END EXIST. L.A. R/W	OVERHEAD BOX TRUSS
B BEGIN L.A. R/W	
E END L.A. R/W	

ALL R/W DESCRIBED FROM LINE "PR-K2" EXCEPT AS SHOWN.
LINE "PR-K2" TO BE CONSTRUCTED.
LIMITED ACCESS R/W REQUIREMENTS TO APPLY WHERE INDICATED.

JASON L. ROWLEY REGISTERED No. 10403614 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER — 9-07-2012 DATE

DESIGNED: TMS | DRAWN: AGL
CHECKED: JLR | CHECKED: JLR

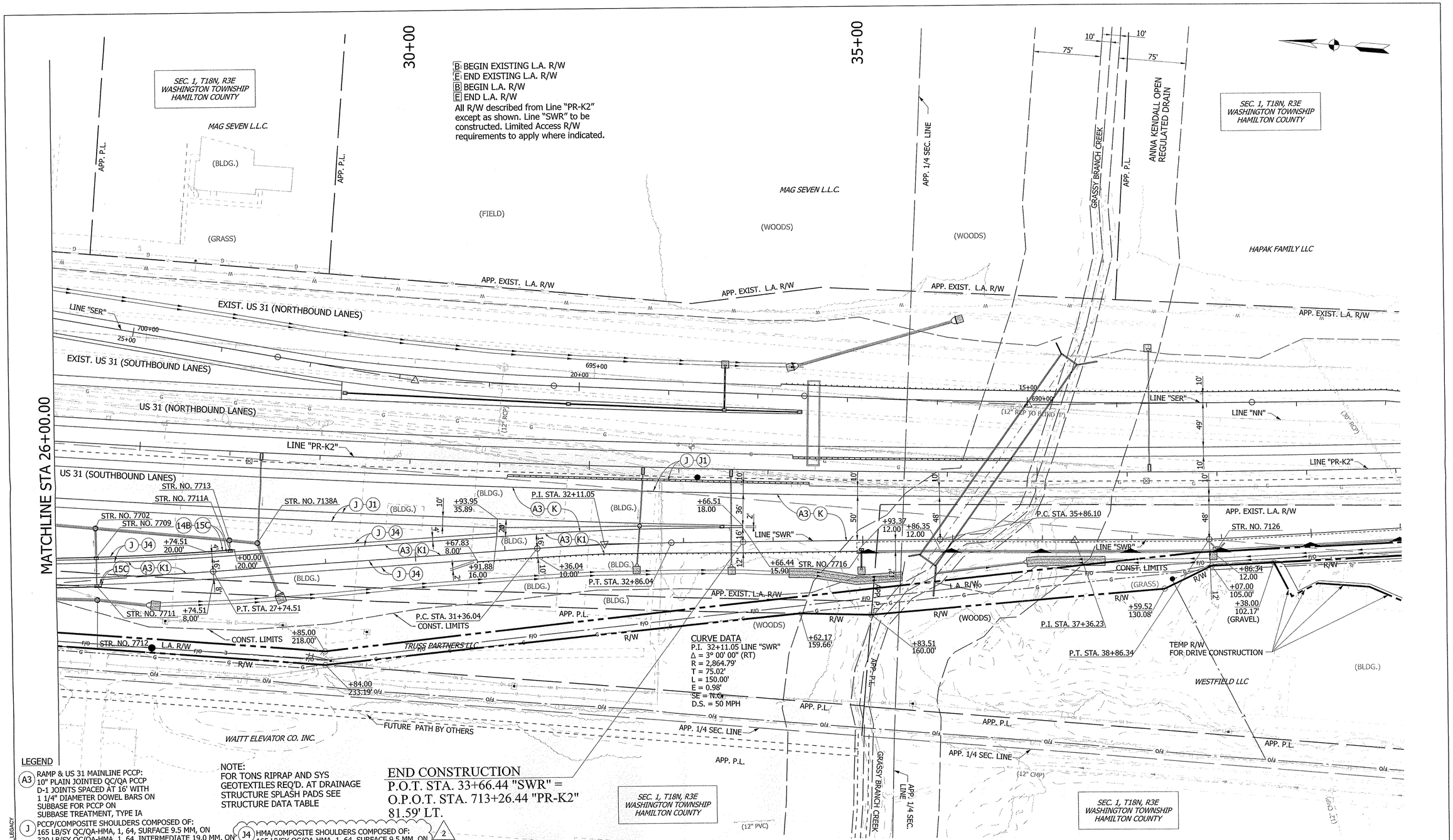
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
US 31 - LINE "PR-K2"

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	
VERTICAL SCALE	DESIGNATION
	1296427
SURVEY BOOK	SHEET
	44 of 251
CONTRACT	PROJECT
IR-34750	1296427

Model: R-PLAN-06

Drawing: P:\Transportation\20074350 US31 Hamilton\30 SheetDrawings\314 SR32 IC\10 BaseSets\MM14R-PNP-02.dgn



END CONSTRUCTION
P.O.T. STA. 33+66.44 "SWR" =
O.P.O.T. STA. 713+26.44 "PR-K2"
81.59' LT.

NOTE:
FOR TONS RIPRAP AND SYS GEOTEXTILES REQ'D. AT DRAINAGE STRUCTURE SPLASH PADS SEE STRUCTURE DATA TABLE

LEGEND

(A3) RAMP & US 31 MAINLINE PCCP:
10" PLAIN JOINTED QC/QA PCCP
D-1 JOINTS SPACED AT 16' WITH
1 1/4" DIAMETER DOWEL BARS ON
SUBBASE FOR PCCP ON
SUBBASE TREATMENT, TYPE IA

(J) PCCP/COMPOSITE SHOULDERS COMPOSED OF:
165 LB/SY QC/QA-HMA, 1, 64, SURFACE 9.5 MM, ON
330 LB/SY QC/QA-HMA, 1, 64, INTERMEDIATE 19.0 MM, ON
605 LB/SY QC/QA-HMA, 1, 64, BASE 25.0 MM, ON
SUBBASE FOR PCCP, ON
SUBGRADE TREATMENT, TYPE IA

(J4) HMA/COMPOSITE SHOULDERS COMPOSED OF:
165 LB/SY QC/QA-HMA, 1, 64, SURFACE 9.5 MM, ON
935 LB/SY QC/QA-HMA, 1, 64, BASE 25.0 MM, ON
SUBGRADE TREATMENT, TYPE IA

(2B) BRIDGE RAILING, TYPE FT

(2) 10-11-2012 REVISED CALLOUTS

(J1) HMA/COMPOSITE SHOULDERS COMPOSED OF:
165 LB/SY QC/QA-HMA, 1, 64, SURFACE 9.5 MM, ON
1210 LB/SY QC/QA-HMA, 1, 64, BASE 25.0 MM, ON
SUBGRADE TREATMENT, TYPE IA

(K) US 31 MAINLINE HMA:
165 LB/SY QC/QA-HMA, 4, 70, SURFACE 9.5 MM, ON
275 LB/SY QC/QA-HMA, 4, 70, INTERMEDIATE 19.0 MM, ON
330 LB/SY QC/QA-HMA, 4, 64, BASE, 19.0 MM, ON
250 LB/SY QC/QA-HMA, 5, 76, INTERMEDIATE OG 19.0 MM, ON
330 LB/SY QC/QA-HMA, 4, 64, BASE, 19.0 MM, ON
SUBGRADE TREATMENT, TYPE IA

(K1) RAMP HMA:
165 LB/SY QC/QA-HMA, 3, 70, SURFACE 9.5 MM, ON
275 LB/SY QC/QA-HMA, 3, 70, INTERMEDIATE 19.0 MM, ON
300 LB/SY QC/QA-HMA, 5, 76, INTERMEDIATE OG 19.0 MM, ON
330 LB/SY QC/QA-HMA, 3, 64, BASE, 19.0 MM, ON
SUBGRADE TREATMENT, TYPE IA

(14) INTEGRAL CONCERETE CURB

(14B) CONCRETE INTEGRAL CURB , TYPE B

(15) CONCRETE CURB AND GUTTER

(15C) CONCRETE CURB AND GUTTER, TYPE B

(30) RETAINING WALL

PERMANENT EROSION CONTROL RIPRAP

JASON L. ROWLEY REGISTERED No. 10403614 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 9-07-2012 DATE

DESIGNED: TMS | DRAWN: AGL
CHECKED: JLR | CHECKED: JLR

INDIANA
DEPARTMENT OF TRANSPORTATION

INTERCHANGE CONSTRUCTION DETAILS
LINE "SWR"
STA. 26+00.00 TO STA. 33+66.44

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	
VERTICAL SCALE	DESIGNATION
1" = 5'	1296427
SURVEY BOOK	SHEET
	90 of 251
CONTRACT	PROJECT
IR-34750	1296427

By: RWA_LEGACY
10/10/2012
Model: R-CON-SWR 06
Drawing: p:\transportation\20074350 us31 hamilton\30 sheetdrawings\314 sr32 ic\10 basesets\MM14R-CON-RAMP.dgn