

F.A.P. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	13-00107-00-PV	CHAMPAIGN	24	1

**INDEX OF SHEETS**

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES
3	SUMMARY OF QUANTITIES
4-5	TYPICAL SECTIONS
6	ALIGNMENTS, TIES, BENCHMARKS AND CONTROL POINTS
7-11	REMOVAL AND PROPOSED ROADWAY PLAN
12-18	PLAN AND PROFILE
19	EROSION CONTROL
20-22	CROSS SECTIONS
23	TRAFFIC SIGNAL MODIFICATION PLAN US RT 136 AT EVANS ROAD
24	PHASE DESIGNATION DIAGRAM, EVP SEQUENCE & SUMMARY OF QUANTITIES

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

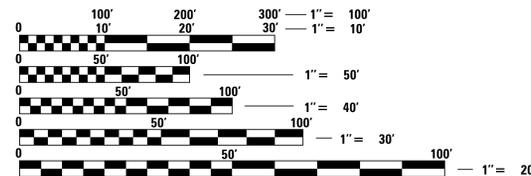
**IL ROUTE 136 (FAP 709)  
ROADWAY WIDENING  
AND EVANS ROAD (FAU 7095)  
IMPROVEMENTS  
EDP FUNDING**

**US ROUTE 136 (FAP 709) – STA 180+95 TO STA 191+80  
EVANS ROAD (FAU 7095) – STA 708+92 TO STA 726+50  
SECTION NO. 13-00107-00-PV  
JOB NO. C-95-347-12  
VILLAGE OF RANTOUL  
CHAMPAIGN COUNTY**

**HIGHWAY STANDARDS**

001006	DECIMAL OF INCH & FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-07	PAVEMENT JOINTS
420106-04	36' JOINTED PCC PAVEMENT
442101-07	CLASS B PATCHES
606001-05	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701606-08	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-08	URBAN LANE CLOSURE MULTILANE INTERSECTION
701901-03	TRAFFIC CONTROL DEVICES
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
886001-01	DETECTOR LOOP INTALLATION
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS
BLR 10-6	PCC PAVEMENT SPECIAL
BLR 14-10	PORTLAND CEMENT CONCRETE PAVEMENT (NON-REINFORCED)
BLR 18-5	TRAFFIC CONTROL DEVICES - DAY LABOR MAINTENANCE

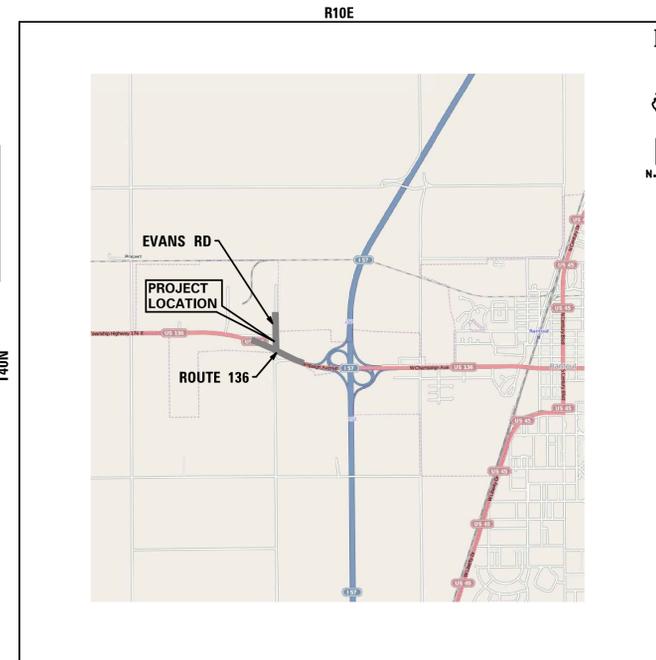
TRAFFIC DATA					
STREET	FUNCTIONAL CLASSIFICATION	AVERAGE DAILY TRAFFIC VPD (2013)	AVERAGE DAILY TRAFFIC VPD (2033)	POSTED SPEED LIMIT (MPH)	DESIGN SPEED LIMIT
US ROUTE 136	OTHER PRINCIPAL ARTERIAL	5600	13000	45	50
EVANS RD	MAJOR COLECTOR	1300	7000	30	35



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/DIRECTION AND MEANS/METHODS OF CONSTRUCTION.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
CALL: 1-800-892-0123



**LOCATION MAP**

GROSS LENGTH OF PROJECT = 2843 LINEAL FEET (0.54 MI.)  
NET LENGTH OF PROJECT = 2843 LINEAL FEET (0.54 MI.)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

APPROVED \_\_\_\_\_ 20\_\_\_\_  
MAYOR, VILLAGE OF RANTOUL

PASSED \_\_\_\_\_ 20\_\_\_\_  
DISTRICT 5 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID  
BASED ON LIMITED  
REVIEW \_\_\_\_\_ 20\_\_\_\_  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 3 ENGINEER

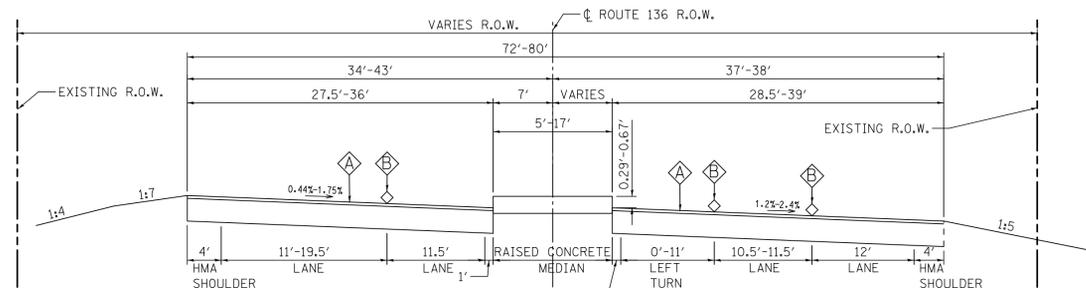
ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_  
DANIEL C. STEVENS, P.E.  
ILLINOIS REGISTRATION NO.: 062-057634  
EXPIRATION DATE: 11/30/2013  
PROFESSIONAL DESIGN FIRM NO.: 184-001157  
EXPIRATION DATE: 04/30/2015  
THESE PLANS OR ANY PART THEREOF SHALL BE CONSIDERED VOID WITHOUT THE SIGNATURE, SEAL, AND EXPIRATION DATE OF SEAL OF THE ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS



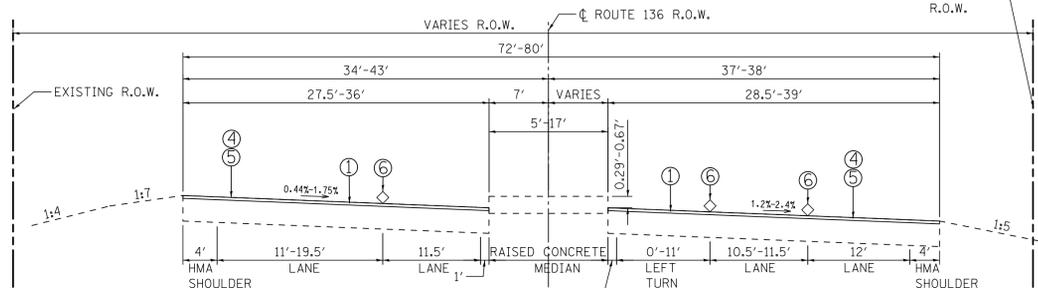






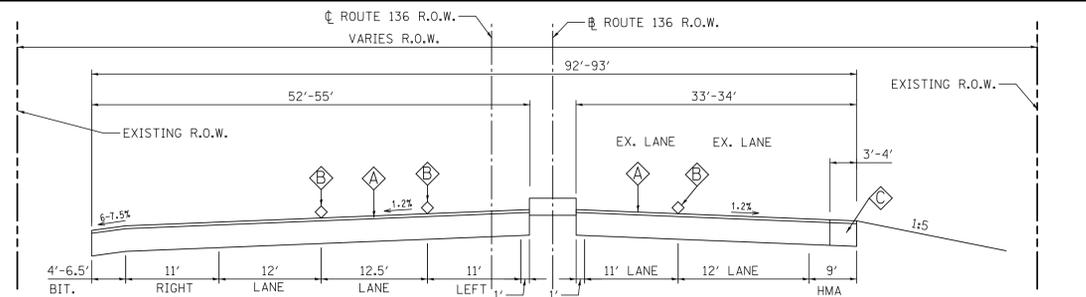
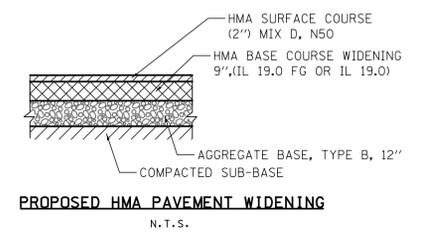
**EXISTING TYPICAL SECTION**  
**ROUTE 136**  
**STA 180+95 TO STA 185+30**

SCALE  
 1" = 10' HORIZ.  
 1" = 5' VERT.



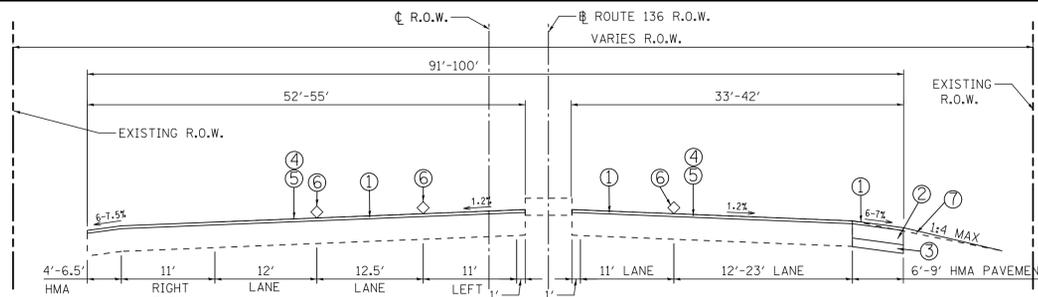
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**ROUTE 136**  
**STA 180+95 TO STA 185+30**

SCALE  
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 1" = 5' VERT.



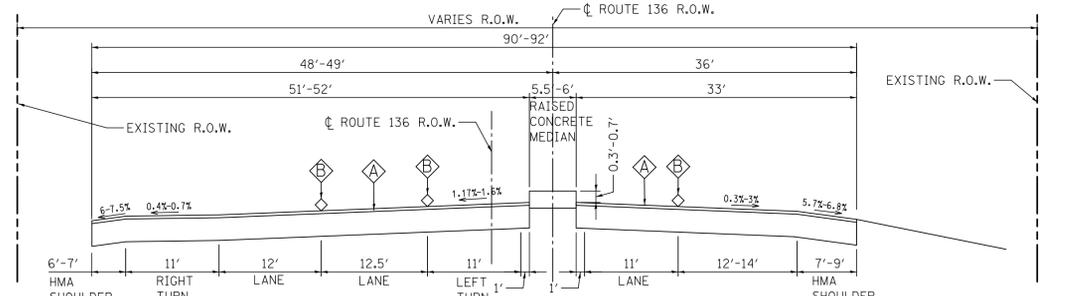
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**ROUTE 136**  
**STA 187+05 TO STA 188+00**

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 1" = 5' VERT.



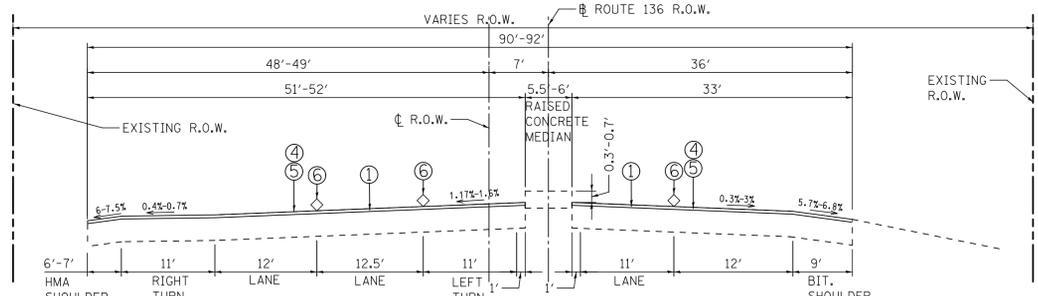
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**ROUTE 136**  
**STA 187+05 TO STA 188+00**

SCALE  
 1" = 10' HORIZ.  
 1" = 5' VERT.



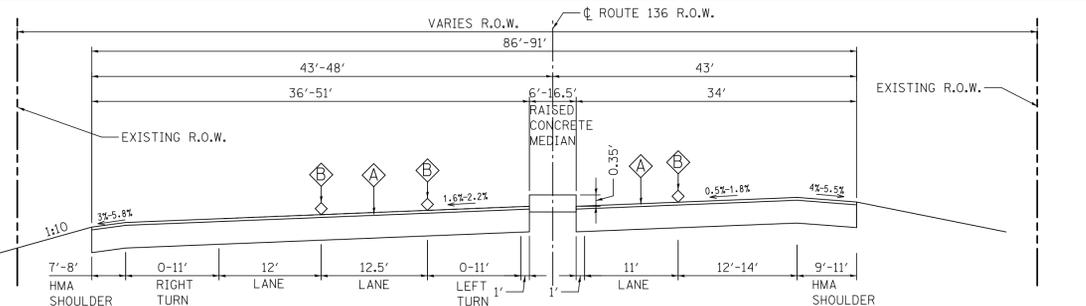
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**ROUTE 136**  
**STA 188+00 TO STA 189+50**

SCALE  
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 1" = 5' VERT.



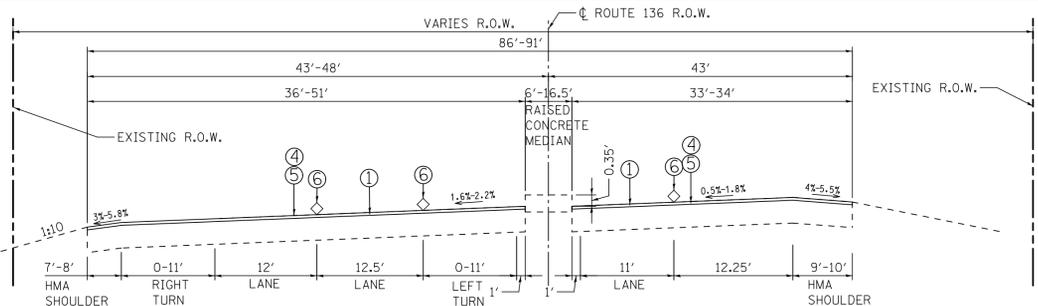
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**ROUTE 136**  
**STA 188+00 TO STA 189+50**

SCALE  
 1" = 10' HORIZ.  
 1" = 5' VERT.



**EXISTING TYPICAL SECTION**  
**ROUTE 136**  
**STA 189+50 TO STA 191+80**

SCALE  
 1" = 10' HORIZ.  
 1" = 5' VERT.



**PROPOSED TYPICAL SECTION**  
**ROUTE 136**  
**STA 189+50 TO STA 191+80**

SCALE  
 1" = 10' HORIZ.  
 1" = 5' VERT.

**LEGEND (PAY ITEM #)**

- ◆ HOT MIX ASPHALT (HMA) SURFACE REMOVAL 1 1/4" (#44000156)
- ◆ RAISED REFLECTIVE PAVEMENT MARKER REMOVAL (#78300200)
- ◆ PAVEMENT REMOVAL (#44000100)
- ① HOT MIX ASPHALT SURFACE COURSE (2"), MIX D, N50 (#4060333T)
- ② HMA BASE COURSE WIDENING 9", (IL 19.0, FG / IL 19.0), (#356000712)
- ③ AGGREGATE BASE COURSE, TYPE B, 12" (#35102400)
- ④ BITUMINOUS MATERIAL (PRIME COAT) (#40300100)
- ⑤ AREA/STRIP REFLECTIVE CRACK CONTROL (#44300100/43300200)
- ⑥ RAISED REFLECTIVE PAVEMENT MARKER (#78100100)
- ⑦ TOP SOIL



**CONSULTING ENGINEERS**  
**SITE DEVELOPMENT ENGINEERS**  
**LAND SURVEYORS**

9575 W. Higgins Road, Suite 700  
 Rosemont, Illinois 60018  
 Phone: (847) 696-4060 Fax: (847) 696-4065

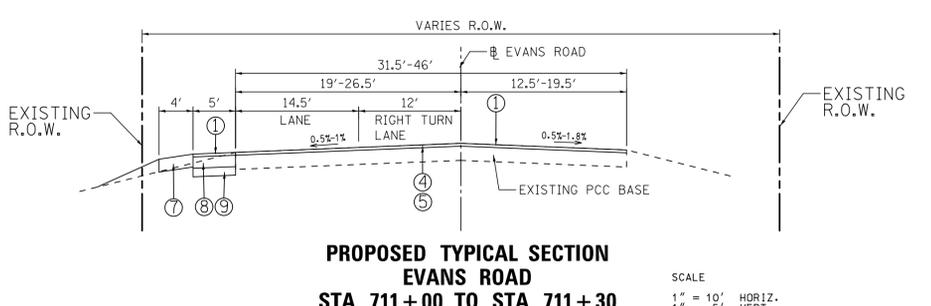
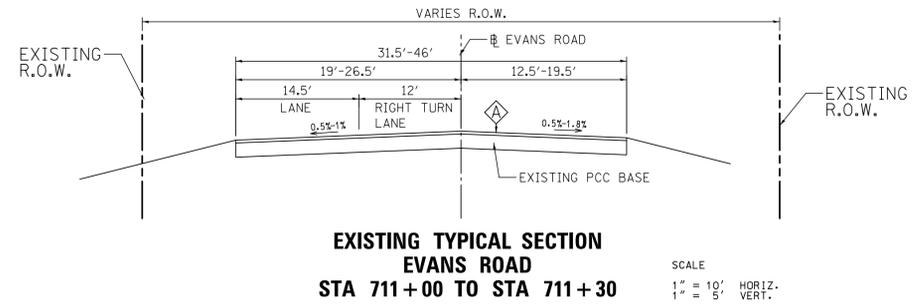
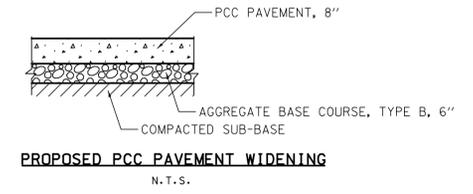
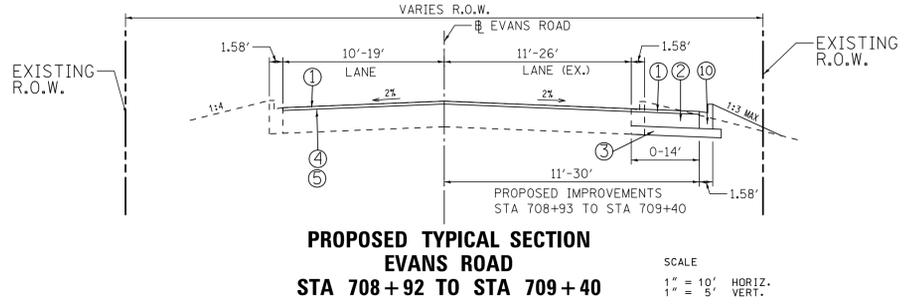
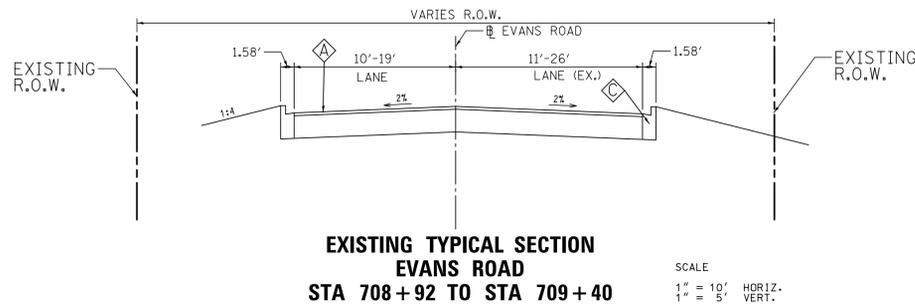


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FILE NAME: \$FILES				

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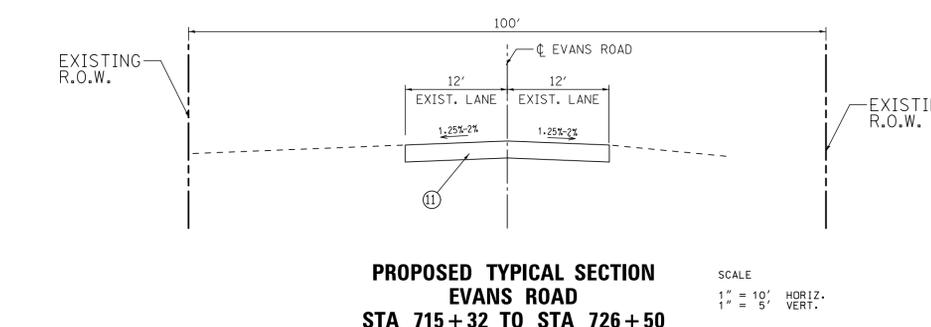
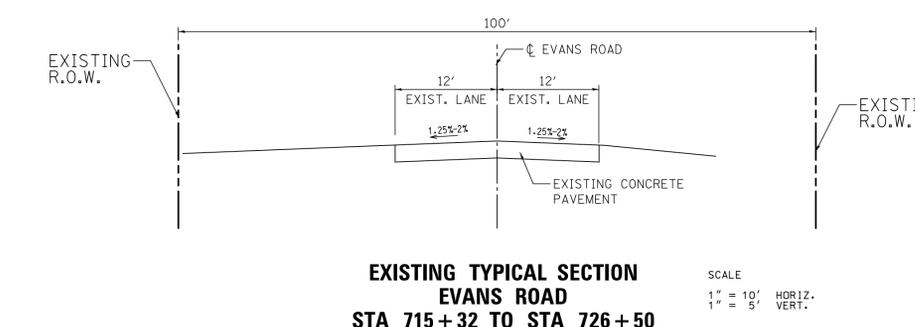
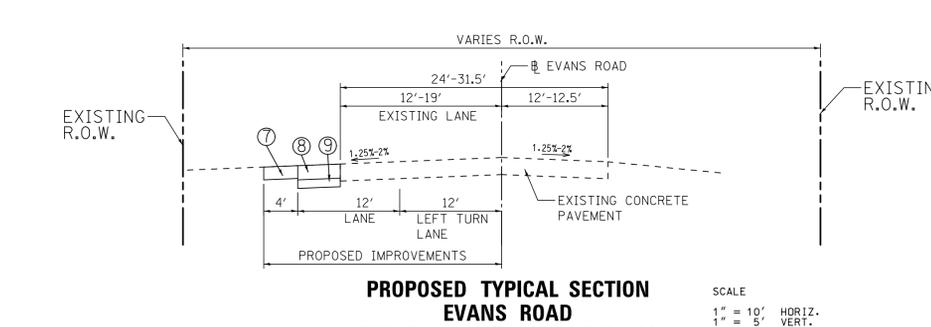
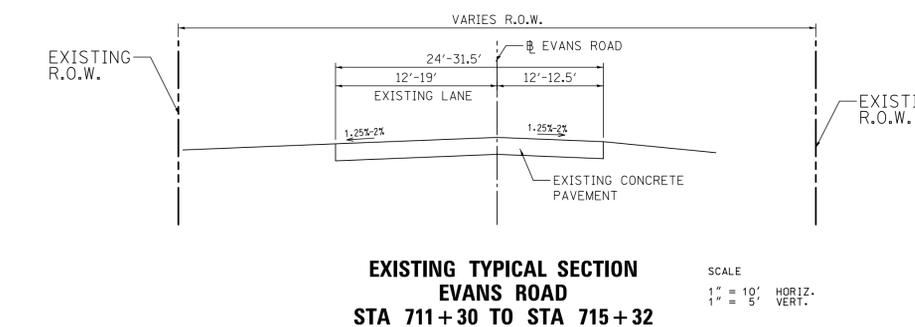
**TYPICAL SECTIONS - 1**  
**US ROUTE 136**

PROJ. NO.	6870.04
DATE	12/12/12
SHEET	4 OF 24
DRAWING NO.	



- LEGEND (PAY ITEM #)**
- Ⓐ HOT MIX ASPHALT (HMA) SURFACE REMOVAL, 1" (#44000153)
  - Ⓒ COMBINATION CURB AND GUTTER REMOVAL (#44000500)
  - ① PROPOSED HOT MIX ASPHALT SURFACE COURSE (2"), MIX D, N50, (#40603335)
  - ② HMA BASE COURSE WIDENING 9", (IL 19.0 FG/IL19.0), (#35600712)
  - ③ AGGREGATE BASE COURSE, TYPE B, 12" (#35102400)
  - ④ BITUMINOUS MATERIAL (PRIME COAT) (#40300100)
  - ⑤ AREA/ STRIP REFLECTIVE CRACK CONTROL (#44300100/44300200)
  - ⑦ AGGREGATE SHOULDER, TYPE B, 8" (#48101600)
  - ⑧ PC CONCRETE PAVEMENT, 8" (#42000301)
  - ⑨ AGGREGATE BASE COURSE, TYPE B, 6" (#35101800)
  - ⑩ CONCRETE COMBINATION CURB AND GUTTER B6.24, (#60605000)
  - ⑪ CLASS B PATCHES, TYPE III, 8 INCH (SEE NOTE BELOW) (#4420094)

**NOTES:**  
 1. THE QUANTITIES OF CLASS B PATCHES, TYPE III, 8 INCH ARE INTEND AS A GUIDE FOR CONTRACTORS USE IN DETERMINING THE SCOPE OF THE WORK. THE ACTUAL NEED FOR PAVEMENT PATCHING WILL BE DETERMINED IN THE FIELD BY ENGINEER AND WILL BE PAID ACCORDING TO ARTICLE 109.03 OF SSRBC.



**CONSULTING ENGINEERS**  
**SITE DEVELOPMENT ENGINEERS**  
**LAND SURVEYORS**

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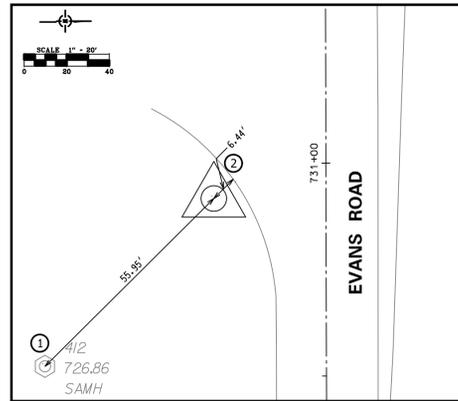
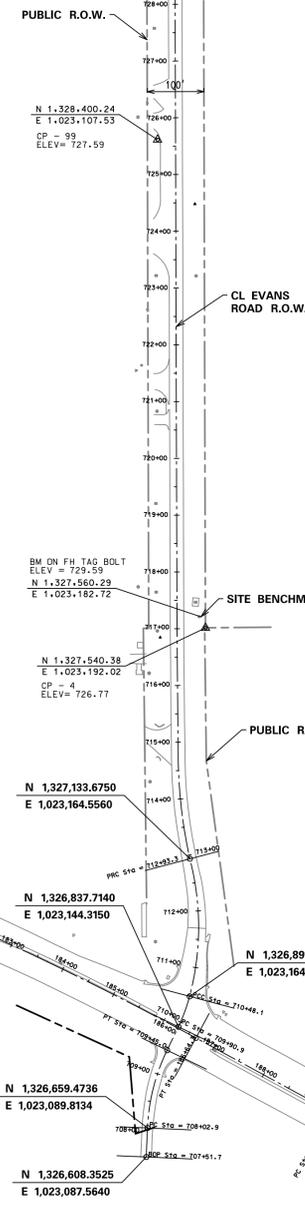
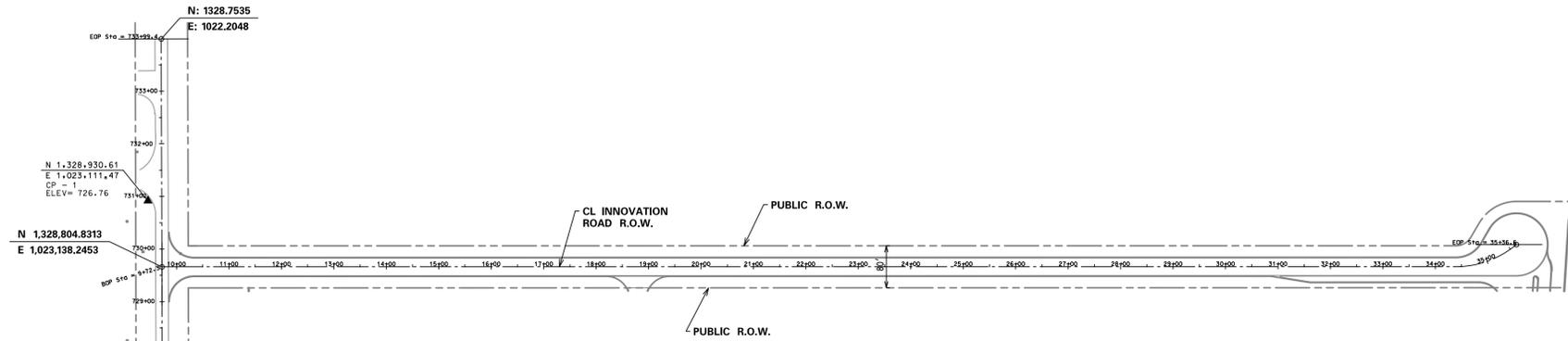
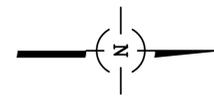


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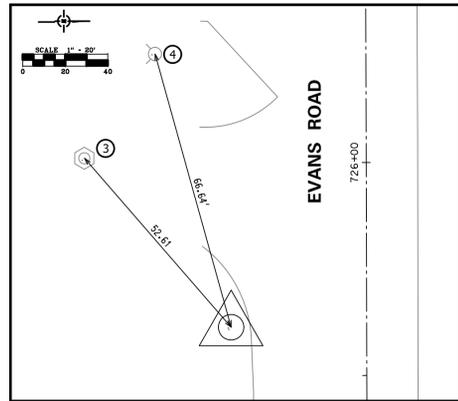
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DWN.	MG
CHKD.	DS
SCALE:	9.9726' / 1in.
PLOT DATE:	4/15/2013
CAD USER:	dstevens
MODEL:	Default

**TYPICAL SECTIONS - 2**  
**EVANS ROAD**

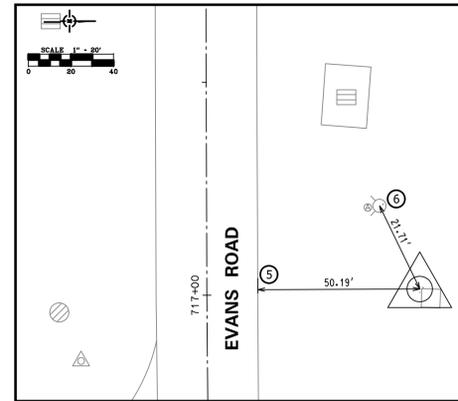
PROJ. NO. 6870.04
DATE: 12/12/12
SHEET 5 OF 24
DRAWING NO.
<b>5</b>



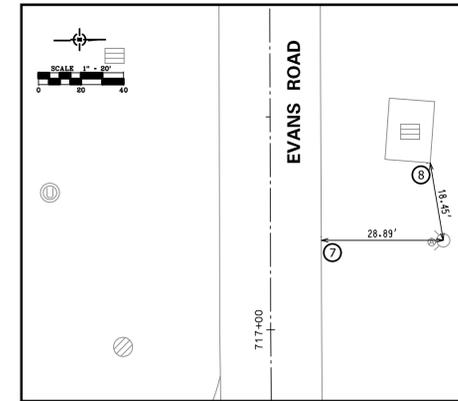
**CONTROL POINT #1**  
 EVANS RD STA 730+91.70, 26.48' LT  
 CONTROL POINT #101 IS A IRON ROD WITH CAP  
 ELEVATION = 726.76  
 ① CENTER OF SANITARY MANHOLE  
 ② EDGE OF PAVEMENT AT RIGHT ANGLE



**CONTROL POINT #99**  
 EVANS RD STA 725.61, 42. 31.89' LT  
 CONTROL POINT #99 IS A IRON ROD WITH CAP  
 ELEVATION = 727.59  
 ③ CENTER OF SANITARY MANHOLE  
 ④ CENTER OF FIRE HYDRANT



**CONTROL POINT #4**  
 EVANS RD STA 717+01.32, 50.09' RT  
 CONTROL POINT #4 IS A IRON ROD WITH CAP  
 ELEVATION = 726.77  
 ⑤ EDGE OF PAVEMENT AT RIGHT ANGLE  
 ⑥ CENTER OF FIRE HYDRANT



**SITE BENCHMARK**  
 EVANS RD STA 717+21.26, 40.89' RT  
 NORTH BOLT ON FIRE HYDRANT  
 ELEVATION 729.59  
 ⑦ EDGE OF PAVEMENT AT RIGHT ANGLE  
 ⑧ NORTHWEST CORNER OF VAULT

	CURVE 1	CURVE 2	CURVE 3	CURVE 4
PI STA	708+73.9	710+19.5	711+70.7	713+84.3
Δ	23.27°	10.92°	29.54°	12.02°
D	16.37°	19.10°	12.05°	6.60°
R	350.0'	300.0'	475.4'	868.6'
T	72.06'	28.67'	125.36'	91.43'
L	142.2'	57.2'	245.1'	182.2'
E	7.34'	1.37'	16.25'	4.80'
PC STA	708+02.8	709+90.9	710+48.1 (PCC)	712+93.2 (PRC)
PT STA	709+45.0	710+48.1 (PCC)	712+93.2 (PRC)	714+75.4
e	N.C.	N.C.	N.C.	N.C.
T.R.	N/A	N/A	N/A	N/A
S.E.RUN	N/A	N/A	N/A	N/A

**SPACECO INC.**

**CONSULTING ENGINEERS  
 SITE DEVELOPMENT ENGINEERS  
 LAND SURVEYORS**

9575 W. Higgins Road, Suite 700  
 Rosemont, Illinois 60018  
 Phone: (847) 696-4060 Fax: (847) 696-4065

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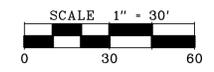
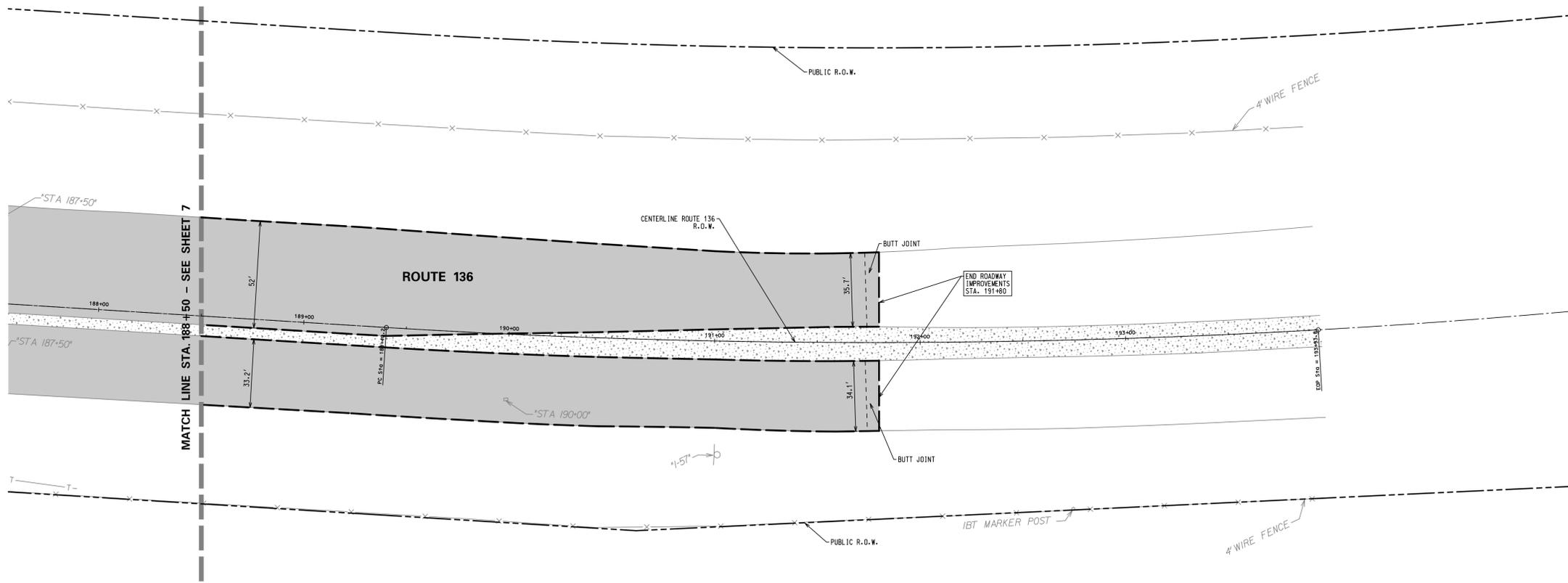
myrantoul  
 RANTOUL, ILLINOIS

NO.	DATE	PER IDOT DISTRICT 5	NATURE OF REVISION	CHKD.	MODEL
1	02/08/13	PER IDOT DISTRICT 5			
FILE NAME \$FILES					

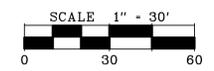
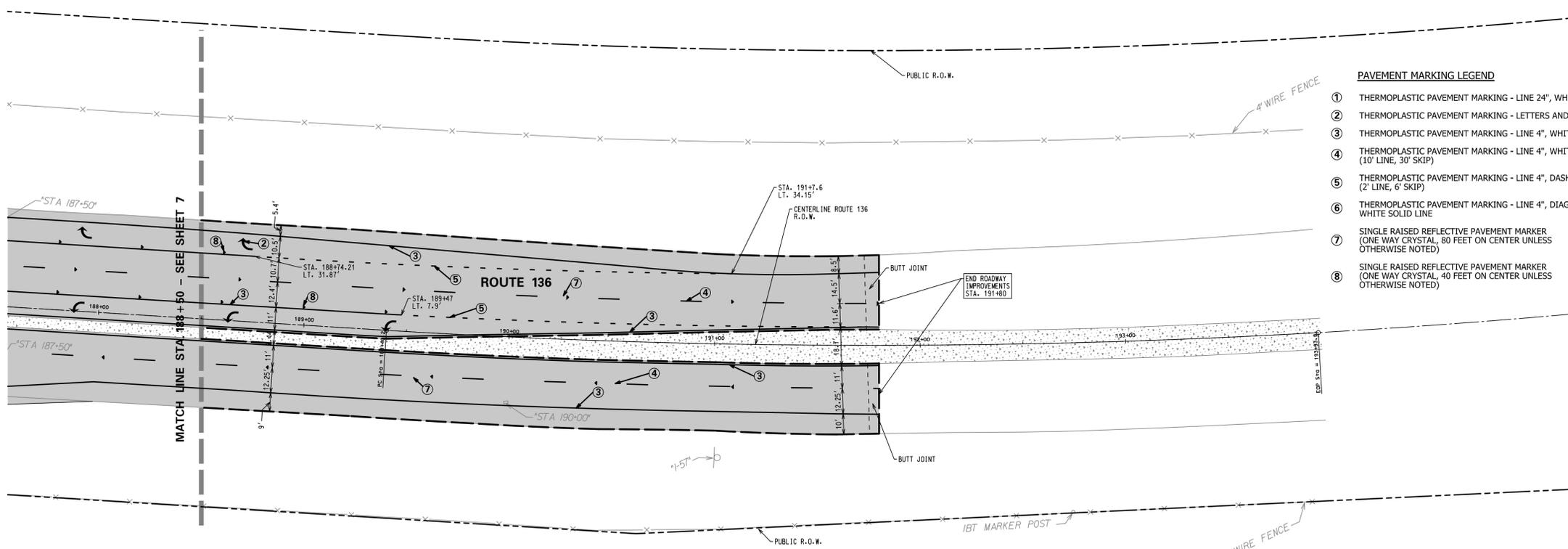
DSGN. BS  
 DWN. MG  
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 SCALE: 149.5886' / In.  
 PLOT DATE: 4/15/2013  
 CAD USER: dstevens  
 TITLE: **ALIGNMENT, TIES  
 BENCHMARKS, AND  
 CONTROL POINTS**

PROJ. NO. 6870.04  
 DATE: 11/28/12  
 SHEET 6 OF 24  
 DRAWING NO.  
 6





- REMOVAL LEGEND**
- HOT MIX ASPHALT SURFACE REMOVAL, 1 3/4"
  - LIMIT OF CONSTRUCTION



- PAVEMENT MARKING LEGEND**
- ① THERMOPLASTIC PAVEMENT MARKING - LINE 24", WHITE SOLID LINE
  - ② THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS, WHITE
  - ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4", WHITE SOLID LINE
  - ④ THERMOPLASTIC PAVEMENT MARKING - LINE 4", WHITE DASHED LINE (10' LINE, 30' SKIP)
  - ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 4", DASHED WHITE LINE (2' LINE, 6' SKIP)
  - ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 4", DIAGONAL CROSSHATCH WHITE SOLID LINE
  - ⑦ SINGLE RAISED REFLECTIVE PAVEMENT MARKER (ONE WAY CRYSTAL, 80 FEET ON CENTER UNLESS OTHERWISE NOTED)
  - ⑧ SINGLE RAISED REFLECTIVE PAVEMENT MARKER (ONE WAY CRYSTAL, 40 FEET ON CENTER UNLESS OTHERWISE NOTED)

- LEGEND**
- PROPOSED HOT MIX ASPHALT SURFACE COURSE, (2") MIX D, N50
  - LIMIT OF CONSTRUCTION
  - RAISED REFLECTIVE PAVEMENT MARKER



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LAND SURVEYORS**

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CLIENT:

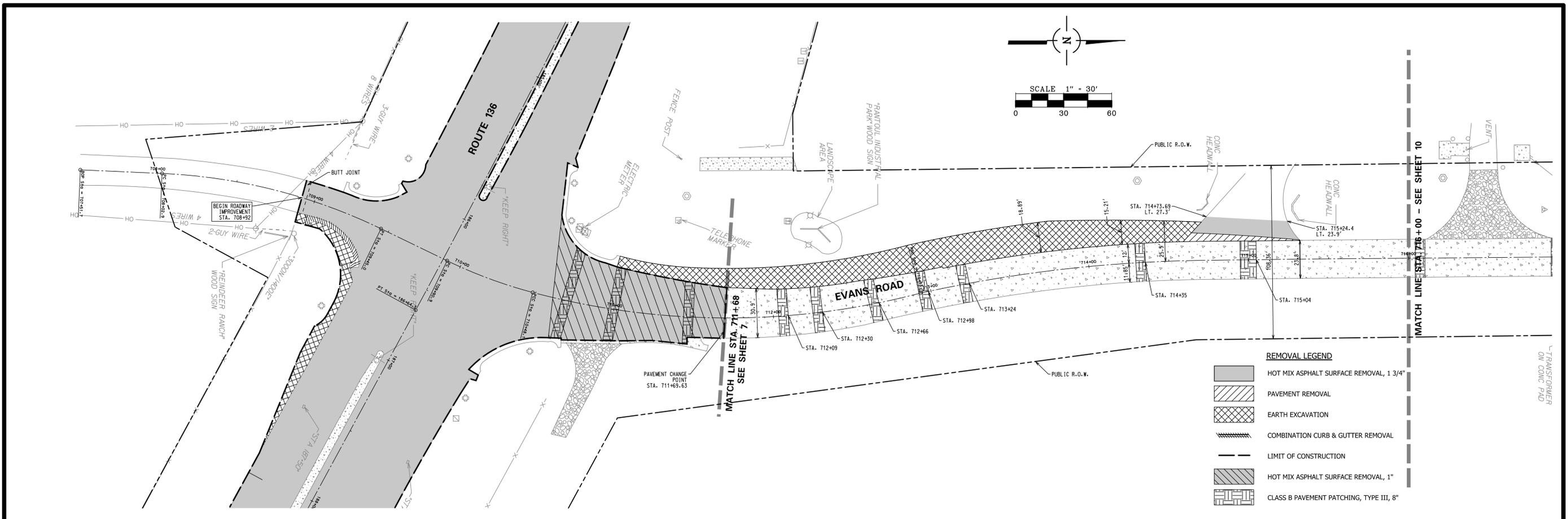


NO.	DATE	PER IDOT DISTRICT 5	CHKD.	MODEL	BS
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					4/15/2013
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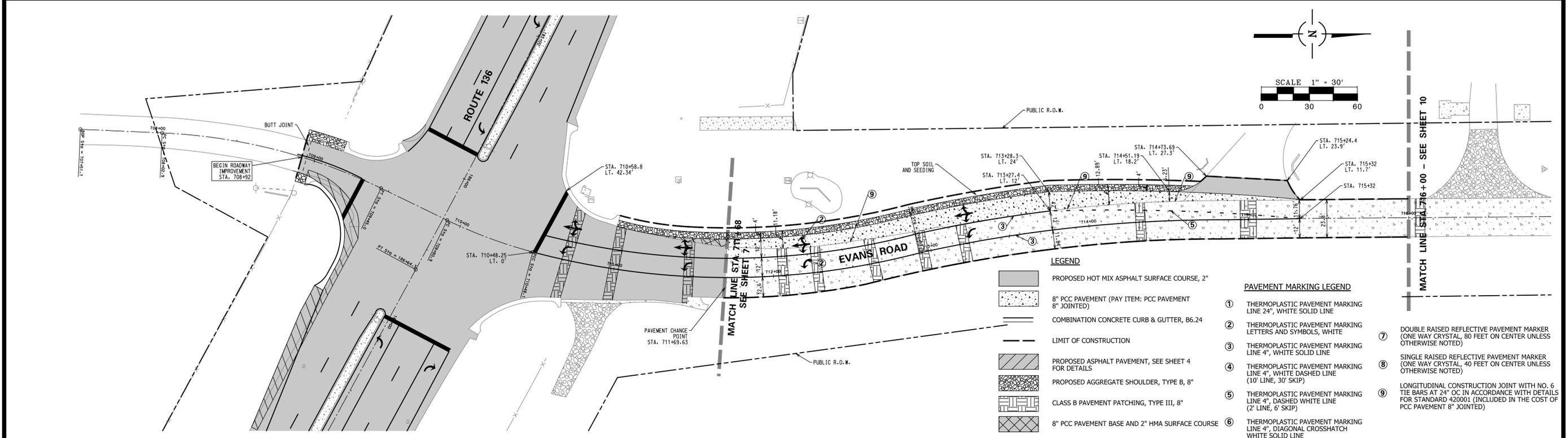
TITLE:

**REMOVAL AND  
PROPOSED ROADWAY PLAN  
ROUTE 136**

PROJ. NO.	6870.04
DATE	12/12/12
SHEET	8 OF 24
DRAWING NO.	
	8



- REMOVAL LEGEND**
- HOT MIX ASPHALT SURFACE REMOVAL, 1 3/4"
  - PAVEMENT REMOVAL
  - EARTH EXCAVATION
  - COMBINATION CURB & GUTTER REMOVAL
  - LIMIT OF CONSTRUCTION
  - HOT MIX ASPHALT SURFACE REMOVAL, 1"
  - CLASS B PAVEMENT PATCHING, TYPE III, 8"



- LEGEND**
- PROPOSED HOT MIX ASPHALT SURFACE COURSE, 2"
  - 8" PCC PAVEMENT (PAY ITEM: PCC PAVEMENT 8" JOINTED)
  - COMBINATION CONCRETE CURB & GUTTER, B6.24
  - LIMIT OF CONSTRUCTION
  - PROPOSED ASPHALT PAVEMENT, SEE SHEET 4 FOR DETAILS
  - PROPOSED AGGREGATE SHOULDER, TYPE B, 8"
  - CLASS B PAVEMENT PATCHING, TYPE III, 8"
  - 8" PCC PAVEMENT BASE AND 2" HMA SURFACE COURSE

- PAVEMENT MARKING LEGEND**
- ① THERMOPLASTIC PAVEMENT MARKING LINE 24", WHITE SOLID LINE
  - ② THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE
  - ③ THERMOPLASTIC PAVEMENT MARKING LINE 4", WHITE SOLID LINE
  - ④ THERMOPLASTIC PAVEMENT MARKING LINE 4", WHITE DASHED LINE (10' LINE, 30' SKIP)
  - ⑤ THERMOPLASTIC PAVEMENT MARKING LINE 4", DASHED WHITE LINE (2' LINE, 6' SKIP)
  - ⑥ THERMOPLASTIC PAVEMENT MARKING LINE 4", DIAGONAL CROSSHATCH WHITE SOLID LINE
  - ⑦ DOUBLE RAISED REFLECTIVE PAVEMENT MARKER (ONE WAY CRYSTAL, 80 FEET ON CENTER UNLESS OTHERWISE NOTED)
  - ⑧ SINGLE RAISED REFLECTIVE PAVEMENT MARKER (ONE WAY CRYSTAL, 40 FEET ON CENTER UNLESS OTHERWISE NOTED)
  - ⑨ LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 TIE BARS AT 24" OC IN ACCORDANCE WITH DETAILS FOR STANDARD 420001 (INCLUDED IN THE COST OF PCC PAVEMENT 8" JOINTED)

**SPACECO INC.**

**CONSULTING ENGINEERS  
SITE DEVELOPMENT ENGINEERS  
LAND SURVEYORS**

9575 W. Higgins Road, Suite 700,  
Rosemont, Illinois 60018  
Phone: (847) 696-4060 Fax: (847) 696-4065

CLIENT:

**myrantoul**  
RANTOUL, ILLINOIS

NO.	DATE	PER IDOT DISTRICT 5	NATURE OF REVISION	CHKD.	MODEL	DSGN.	BS
1	02/08/13	PER IDOT DISTRICT 5				DWN.	MG
						CHKD.	DS
						SCALE	29.9177' / In.
						PLOT DATE	4/15/2013
						CAD USER	dstevens
						FILE NAME	\$FILES

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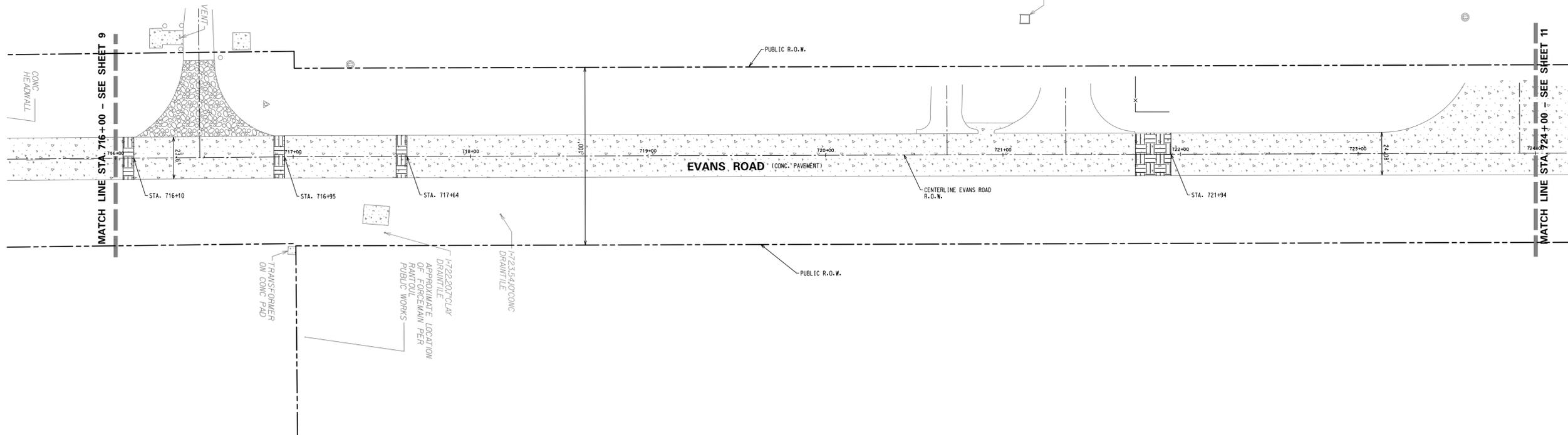
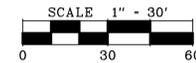
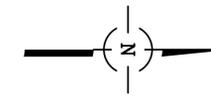
**REMOVAL AND  
PROPOSED ROADWAY PLAN  
EVANS ROAD**

PROJ. NO. 6870.04  
DATE: 12/12/12  
SHEET 9 OF 24  
DRAWING NO.  
**9**

REMOVAL LEGEND



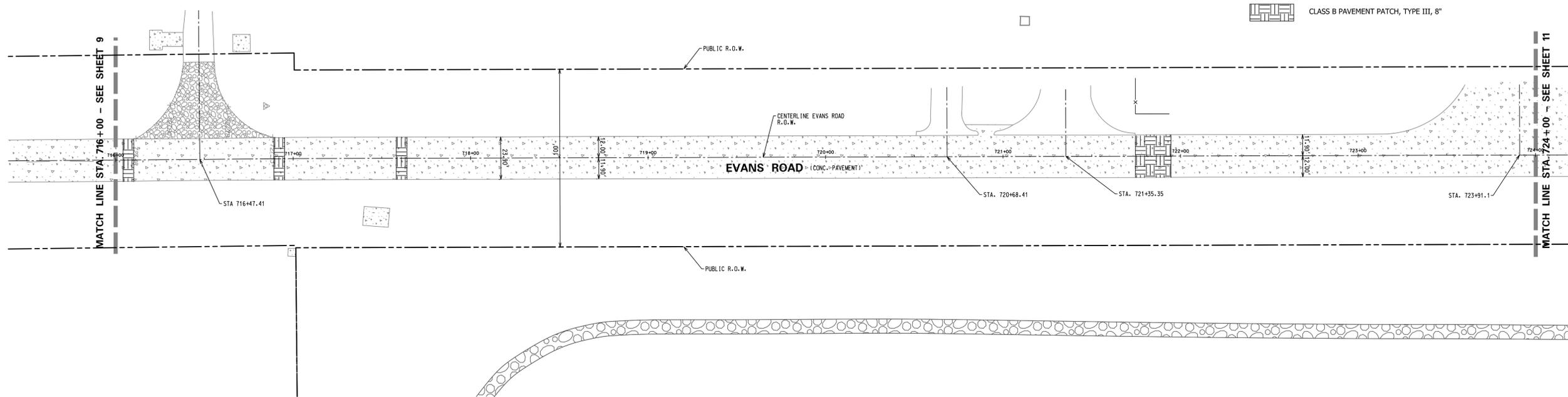
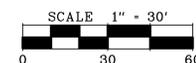
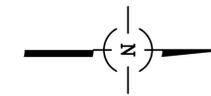
CLASS B PAVEMENT PATCH, TYPE III, 8"



LEGEND



CLASS B PAVEMENT PATCH, TYPE III, 8"



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SITE DEVELOPMENT ENGINEERS  
LAND SURVEYORS

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CLIENT:



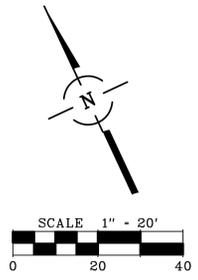
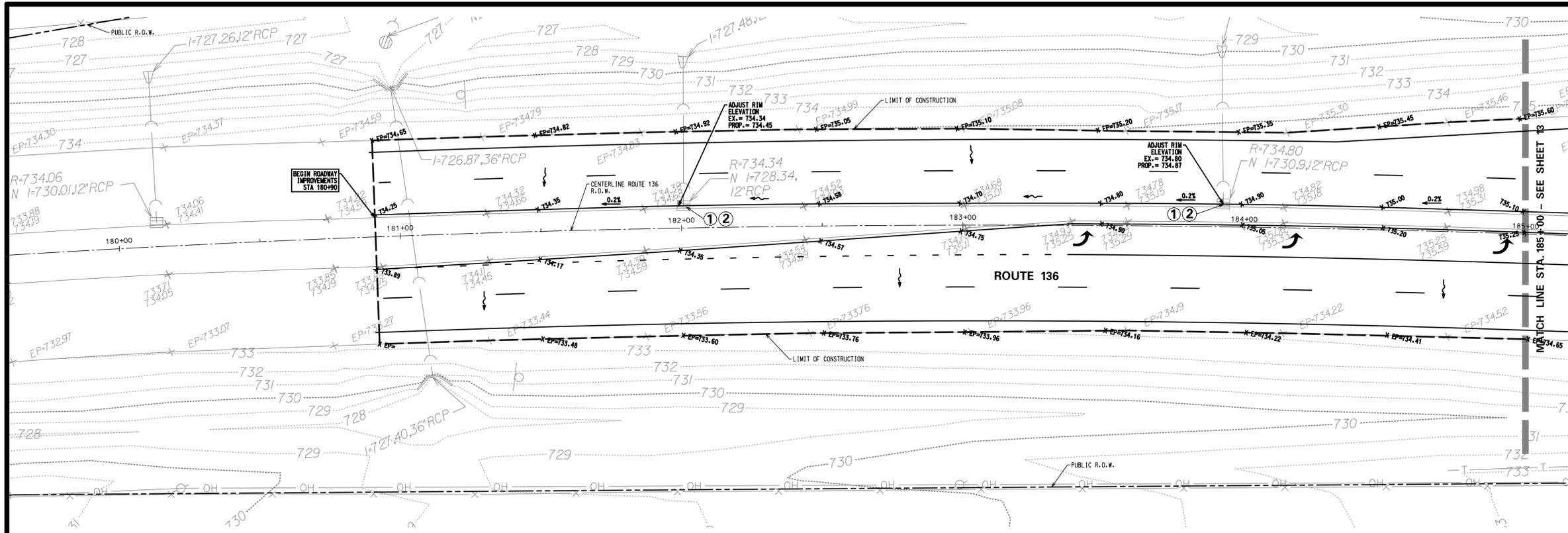
NO.	DATE	NATURE OF REVISION	CHKD.	MODEL	DSGN.	BS
1	02/08/13	PER IDOT DISTRICT 5			DWN.	MG
					CHKD.	DS
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					PLOT DATE:	4/15/2013
					CAD USER:	dstevens
					FILE NAME	\$FILES

TITLE:

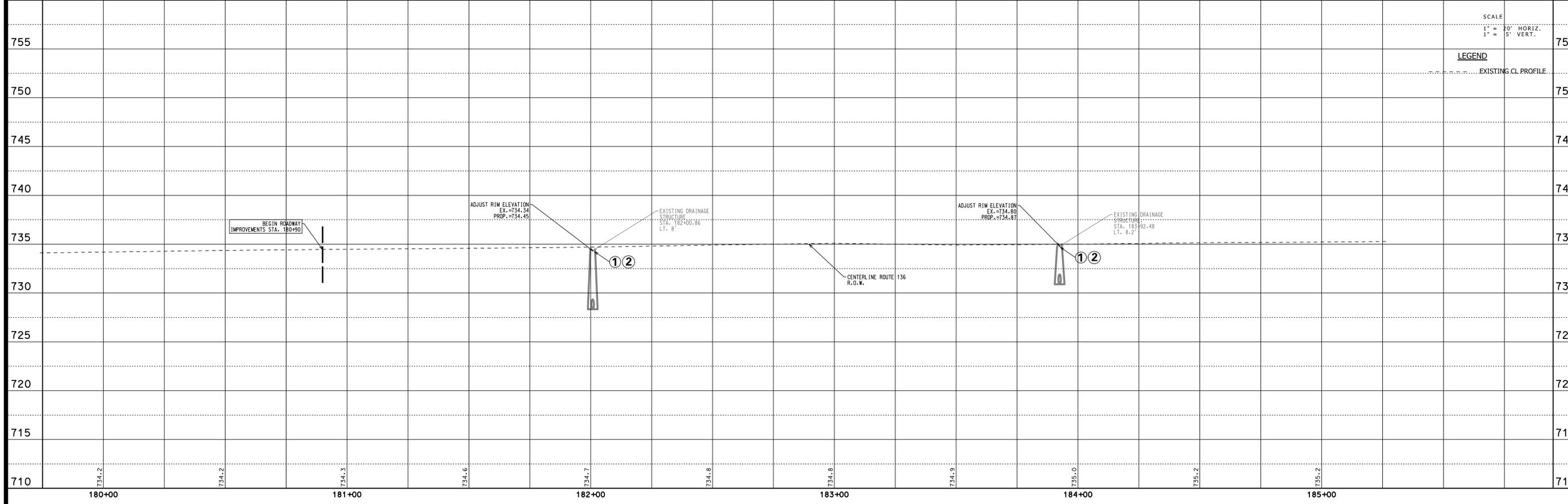
**REMOVAL AND  
PROPOSED ROADWAY PLAN  
EVANS ROAD**

PROJ. NO. 6870.04  
DATE: 12/12/12  
SHEET 10 OF 24  
DRAWING NO.





- LEGEND**
- SLOPE
  - X EP=000.00 EDGE OF PAVEMENT
  - X 000.00 SURFACE ELEVATION
  - $\frac{XX}{XX}$  TOP OF CURB
  - $\frac{XX}{XX}$  EDGE OF PAVEMENT
  - $\leftarrow \rightarrow$  SUMMIT POINT
  - LIMIT OF CONSTRUCTION
  - $\curvearrowright$  FLOW DIRECTION
  - ① FRAME AND LIDS TO BE ADJUSTED
  - ② CATCH BASIN TO BE CLEANED



**SPACECO INC.**

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**LAND SURVEYORS**

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CLIENT:

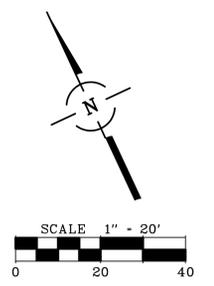
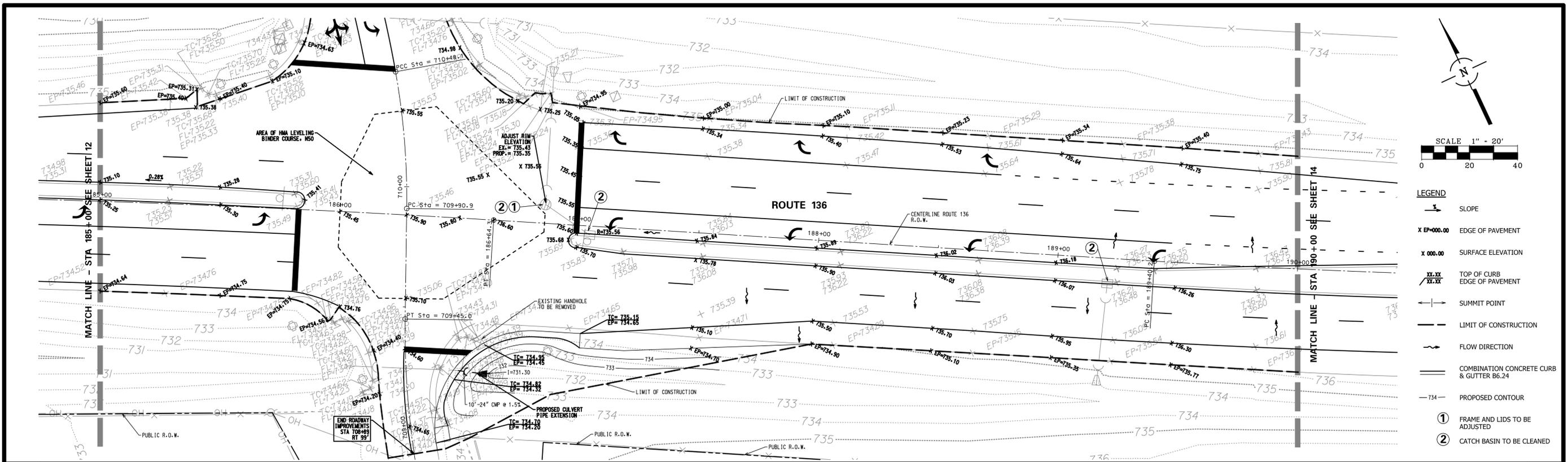
**myrantoul**  
 RANTOUL, ILLINOIS

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL
1	02/08/13	PER IDOT DISTRICT 5		
FILE NAME	\$FILES			

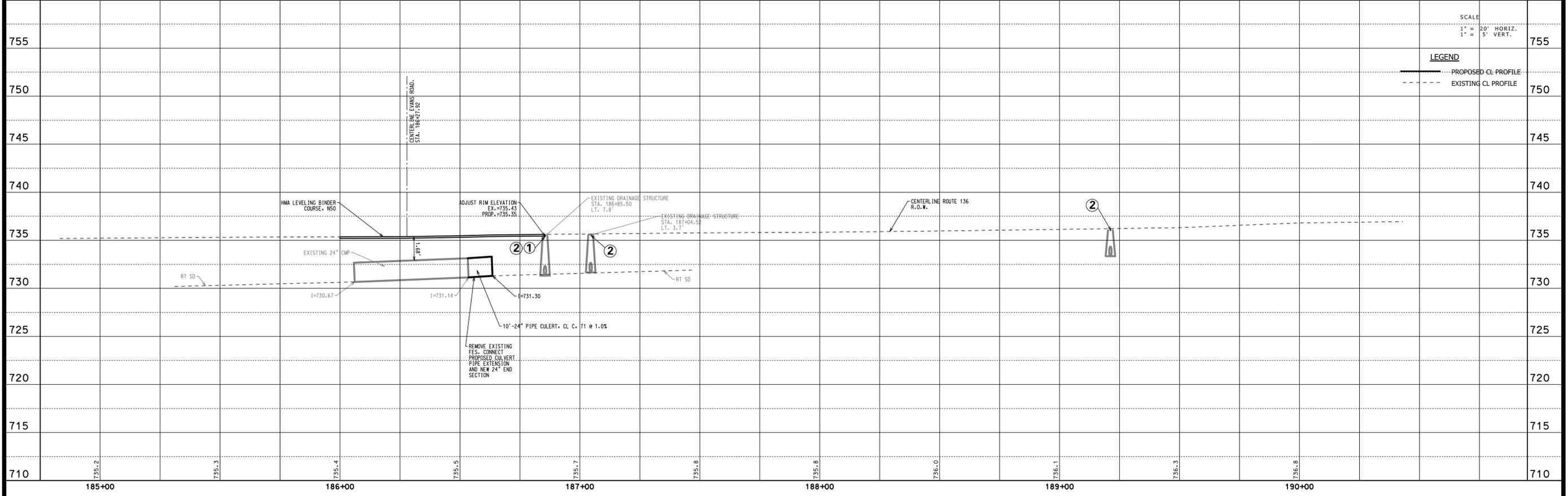
TITLE:

**PLAN & PROFILE - 1**  
**ROUTE 136**

PROJ. NO.	6870.04
DATE	12/12/12
SHEET	12 OF 24
DRAWING NO.	
	<b>12</b>



- LEGEND**
- SLOPE
  - X EP=000.00 EDGE OF PAVEMENT
  - X 000.00 SURFACE ELEVATION
  - XX.XX TOP OF CURB
  - XX.XX EDGE OF PAVEMENT
  - SUMMIT POINT
  - LIMIT OF CONSTRUCTION
  - FLOW DIRECTION
  - COMBINATION CONCRETE CURB & GUTTER B6.24
  - 734- PROPOSED CONTOUR
  - ① FRAME AND LIDS TO BE ADJUSTED
  - ② CATCH BASIN TO BE CLEANED



- LEGEND**
- PROPOSED CL PROFILE
  - EXISTING CL PROFILE



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**LAND SURVEYORS**

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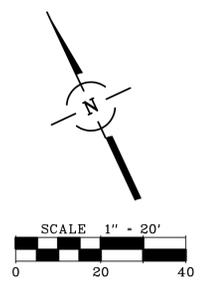
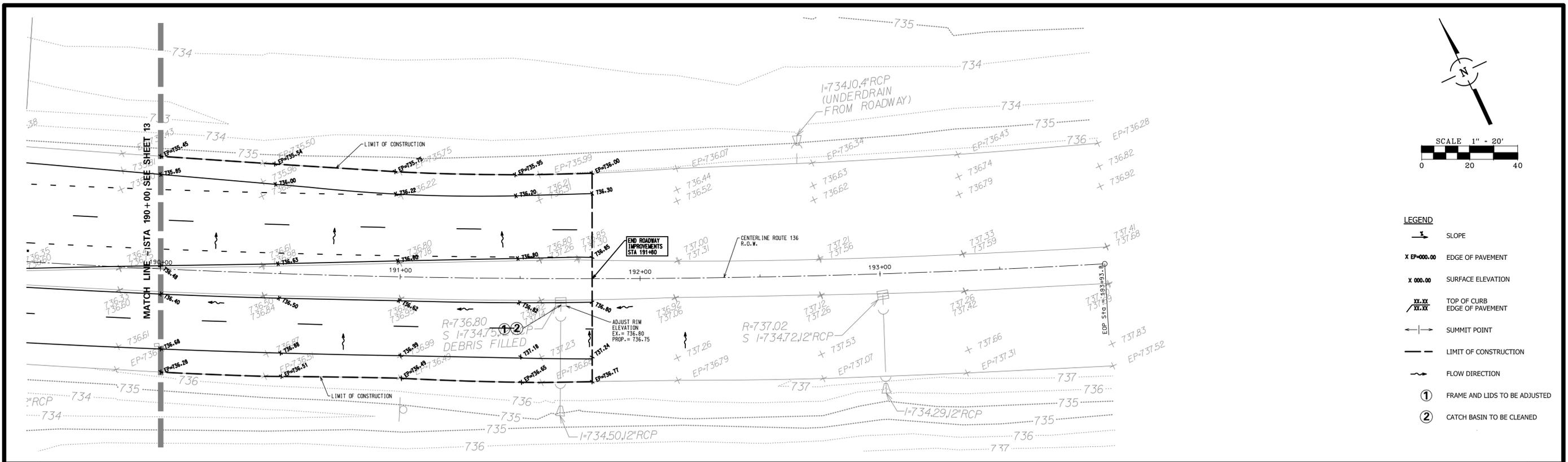


NO.	DATE	NATURE OF REVISION	CHKD.	MODEL
1	02/08/13	PER IDOT DISTRICT 5		
FILE NAME	SFILES			

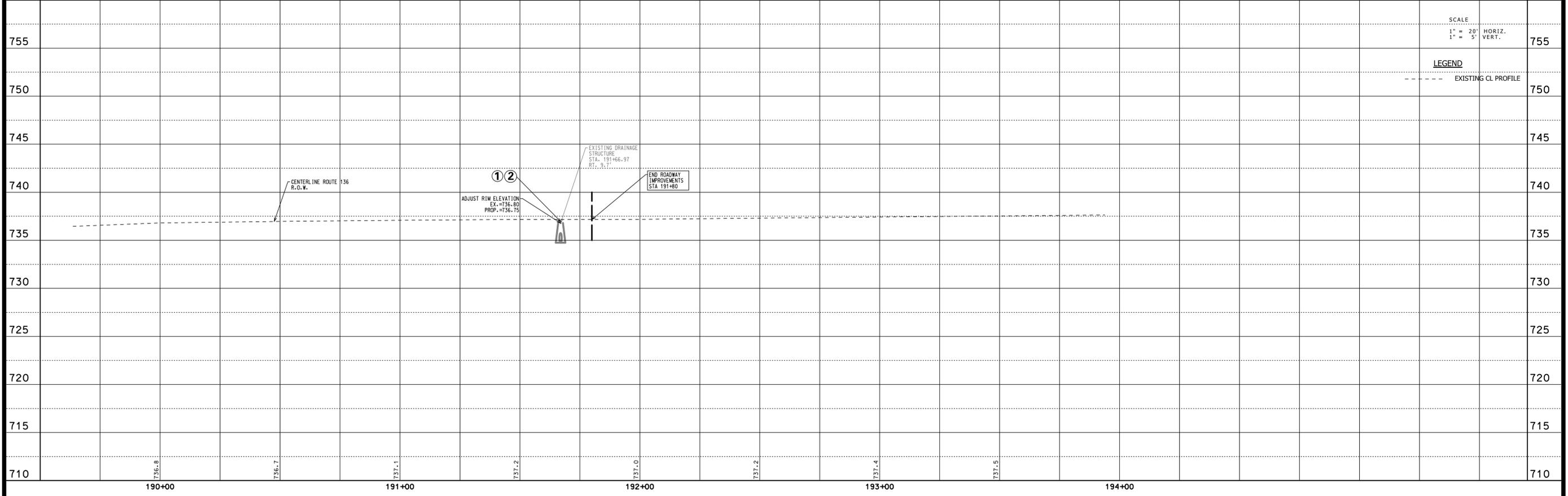
**TITLE:**

**PLAN & PROFILE - 2**  
**ROUTE 136**

PROJ. NO. 6870.04  
 DATE: 12/12/12  
 SHEET 13 OF 24  
 DRAWING NO.  
**13**



- LEGEND**
- SLOPE
  - X EP+000.00 EDGE OF PAVEMENT
  - X 000.00 SURFACE ELEVATION
  - XX.XX TOP OF CURB
  - XX.XX EDGE OF PAVEMENT
  - SUMMIT POINT
  - LIMIT OF CONSTRUCTION
  - FLOW DIRECTION
  - ① FRAME AND LIDS TO BE ADJUSTED
  - ② CATCH BASIN TO BE CLEANED



**CONSULTING ENGINEERS**  
**SITE DEVELOPMENT ENGINEERS**  
**LAND SURVEYORS**

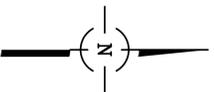
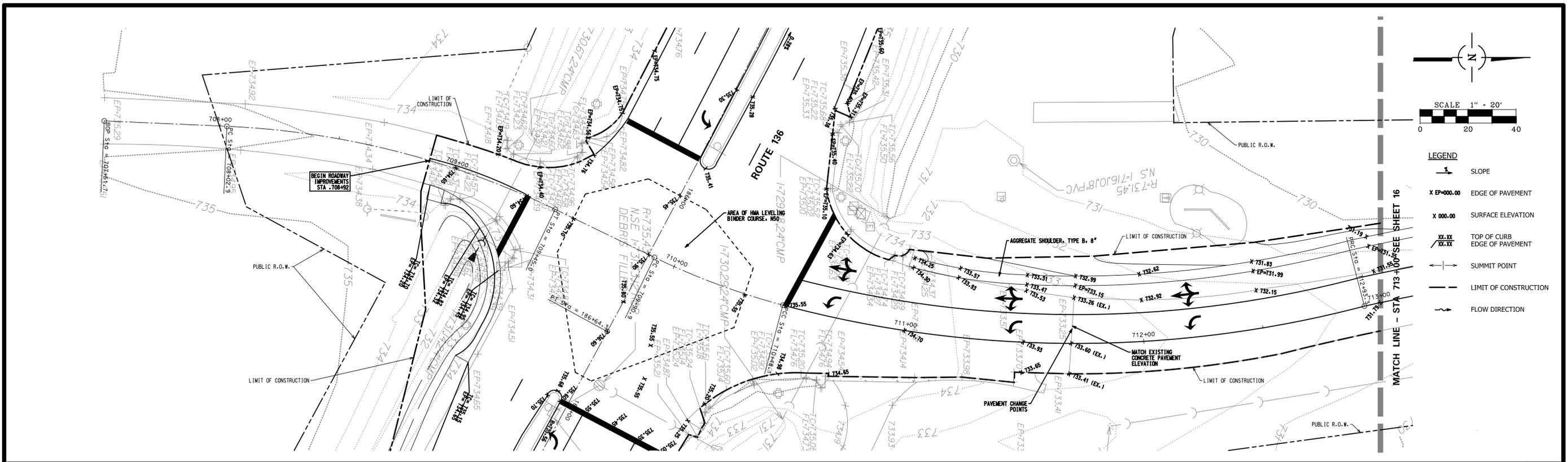
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 Rosemont, Illinois 60018  
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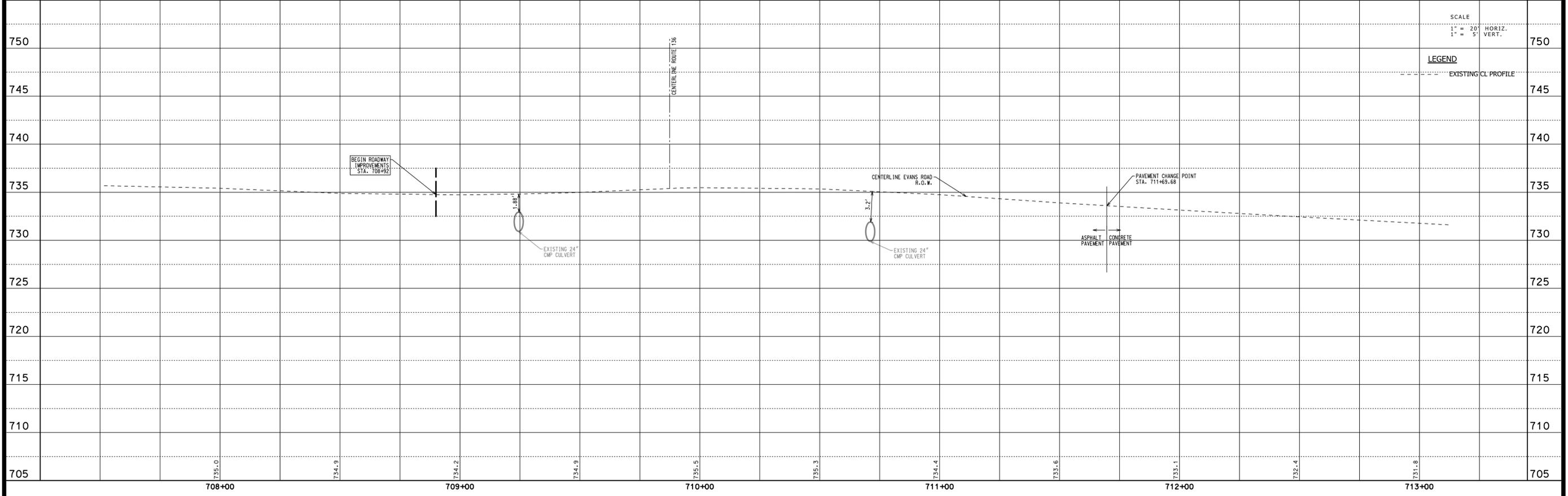
NO.	DATE	NATURE OF REVISION	CHKD.	MODEL
1	02/08/13	PER IDOT DISTRICT 5		
FILE NAME	SFILES			

DSGN. BS  
 DWN. MG  
 CHKD. DS  
 SCALE: 19,9452' / In.  
 PLOT DATE: 4/15/2013  
 CAD USER: dstevens  
 TITLE: PLAN & PROFILE - 3  
 ROUTE 136

PROJ. NO. 6870.04
DATE: 12/12/12
SHEET 14 OF 24
DRAWING NO.
14



- LEGEND**
- SLOPE
  - X EP=000.00 EDGE OF PAVEMENT
  - X 000.00 SURFACE ELEVATION
  - XX.XX TOP OF CURB
  - XX.XX EDGE OF PAVEMENT
  - SUMMIT POINT
  - LIMIT OF CONSTRUCTION
  - FLOW DIRECTION



SCALE  
 1" = 20' HORIZ.  
 1" = 5' VERT.

**LEGEND**  
 --- EXISTING CL PROFILE



**CONSULTING ENGINEERS**  
**SITE DEVELOPMENT ENGINEERS**  
**LAND SURVEYORS**

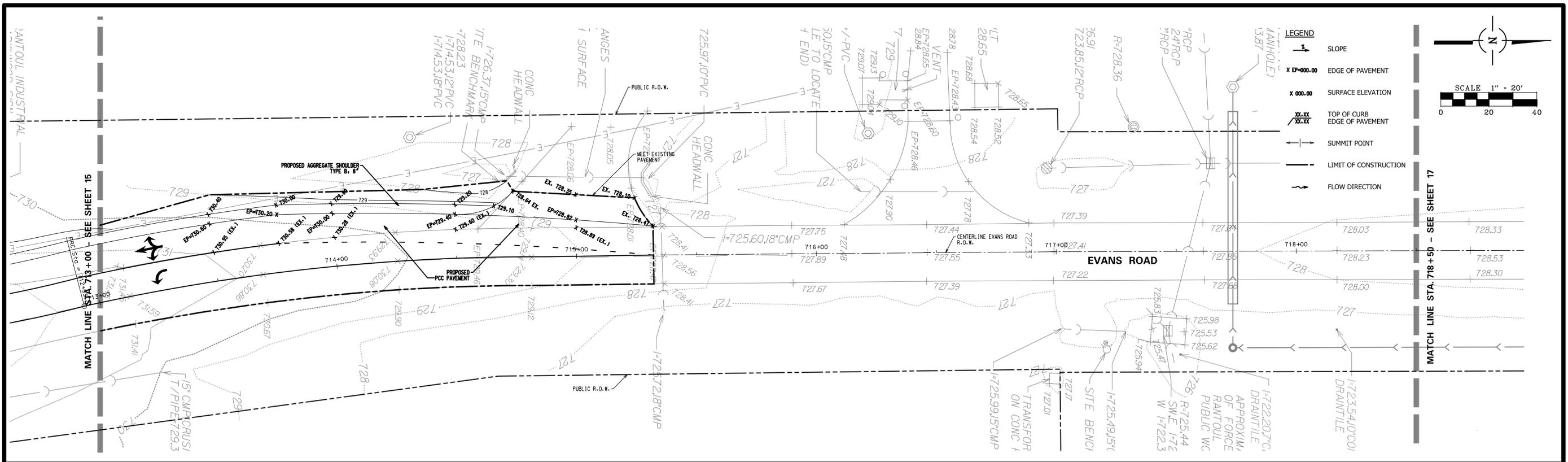
9575 W. Higgins Road, Suite 700  
 Rosemont, Illinois 60018  
 Phone: (847) 696-4060 Fax: (847) 696-4065



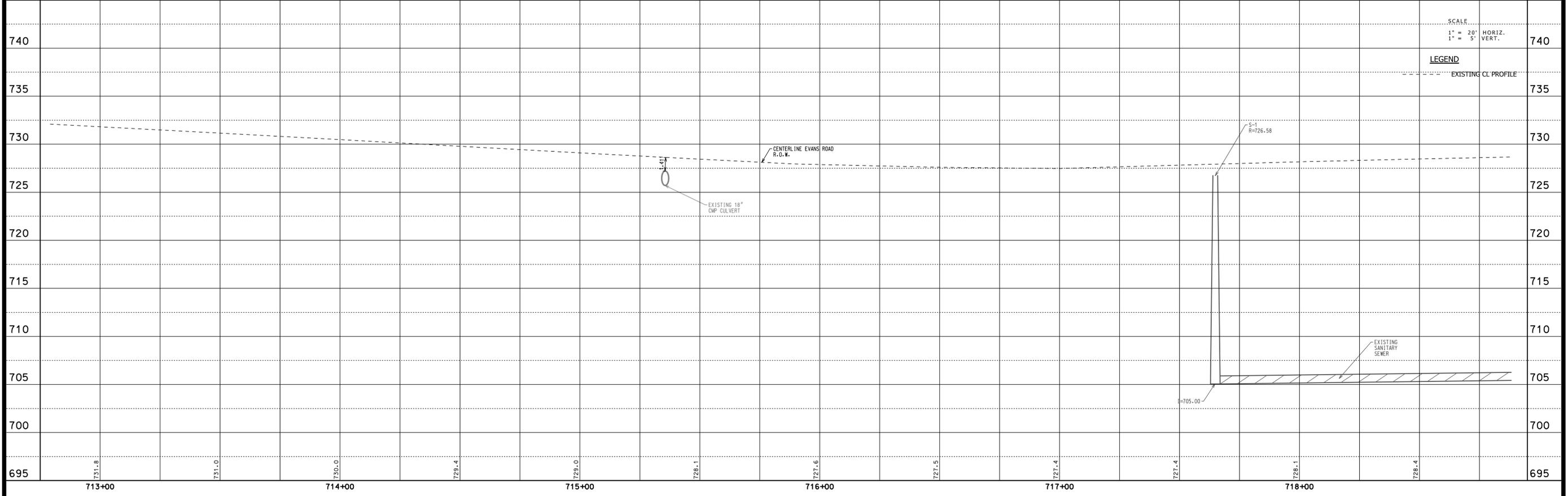
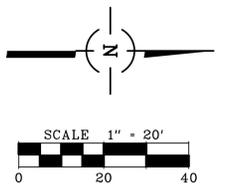
NO.	DATE	PER IDOT DISTRICT 5	CHKD.	MODEL
1	02/08/13	PER IDOT DISTRICT 5		
		NATURE OF REVISION		
		FILE NAME	\$FILES	

DSGN. BS  
 DWN. MG  
 CHKD. DS  
 SCALE: 19,9452' / In.  
 PLOT DATE: 4/15/2013  
 CAD USER: dstevens  
 TITLE: PLAN & PROFILE - 4  
 EVANS ROAD

PROJ. NO. 6870.04  
 DATE: 12/12/12  
 SHEET 15 OF 24  
 DRAWING NO.  
 15



- LEGEND**
- SLOPE
  - EDGE OF PAVEMENT
  - SURFACE ELEVATION
  - TOP OF CURB
  - EDGE OF PAVEMENT
  - SUMMIT POINT
  - LIMIT OF CONSTRUCTION
  - FLOW DIRECTION



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**LAND SURVEYORS**

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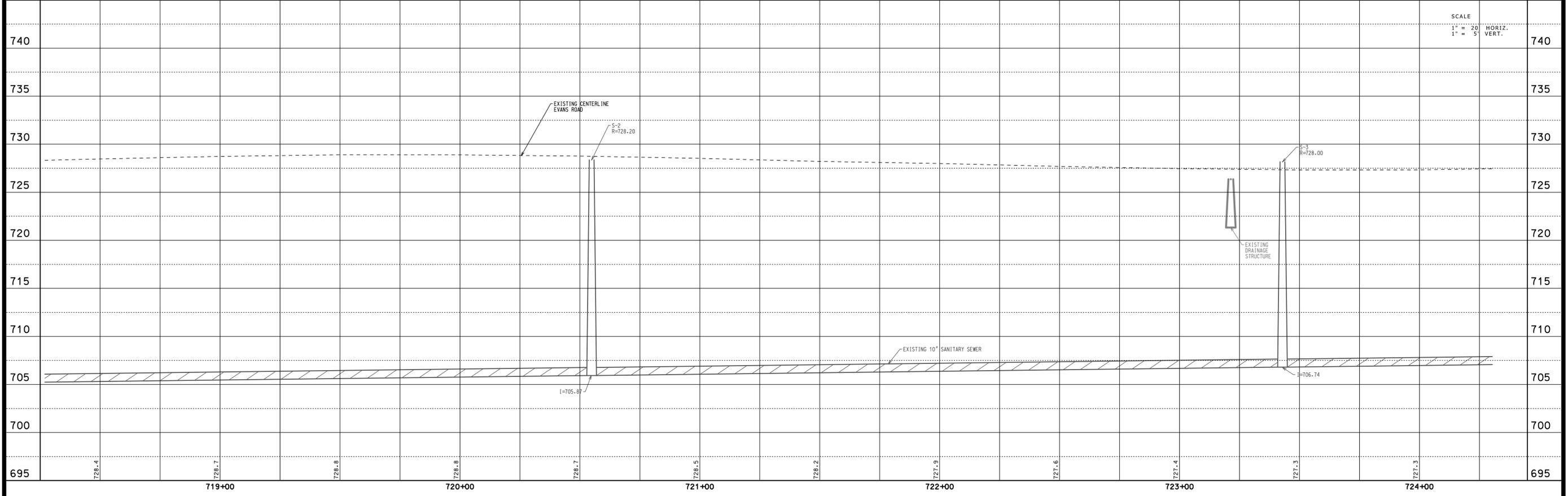
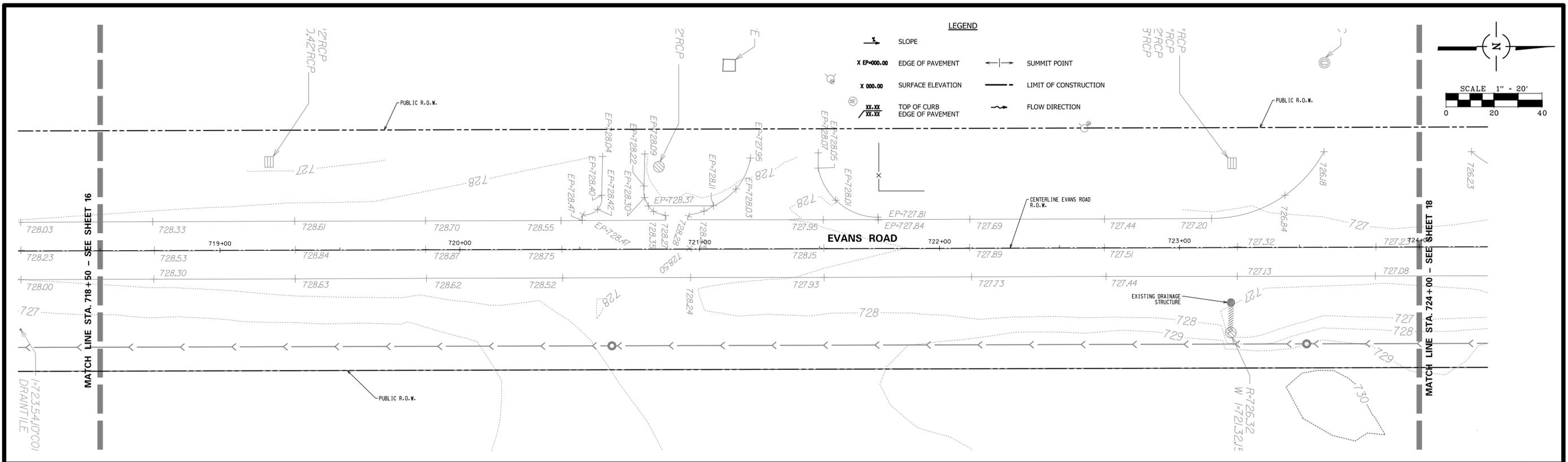


NO.	DATE	NATURE OF REVISION	CHKD.	MODEL
1	02/08/13	PER IDOT DISTRICT 5		
FILE NAME	8FILES			

**TITLE:**

**PLAN & PROFILE - 5**  
**EVANS ROAD**

PROJ. NO. 6870.04  
 DATE: 12/12/12  
 SHEET 16 OF 24  
 DRAWING NO.  
**16**



**CONSULTING ENGINEERS**  
**SITE DEVELOPMENT ENGINEERS**  
**LAND SURVEYORS**

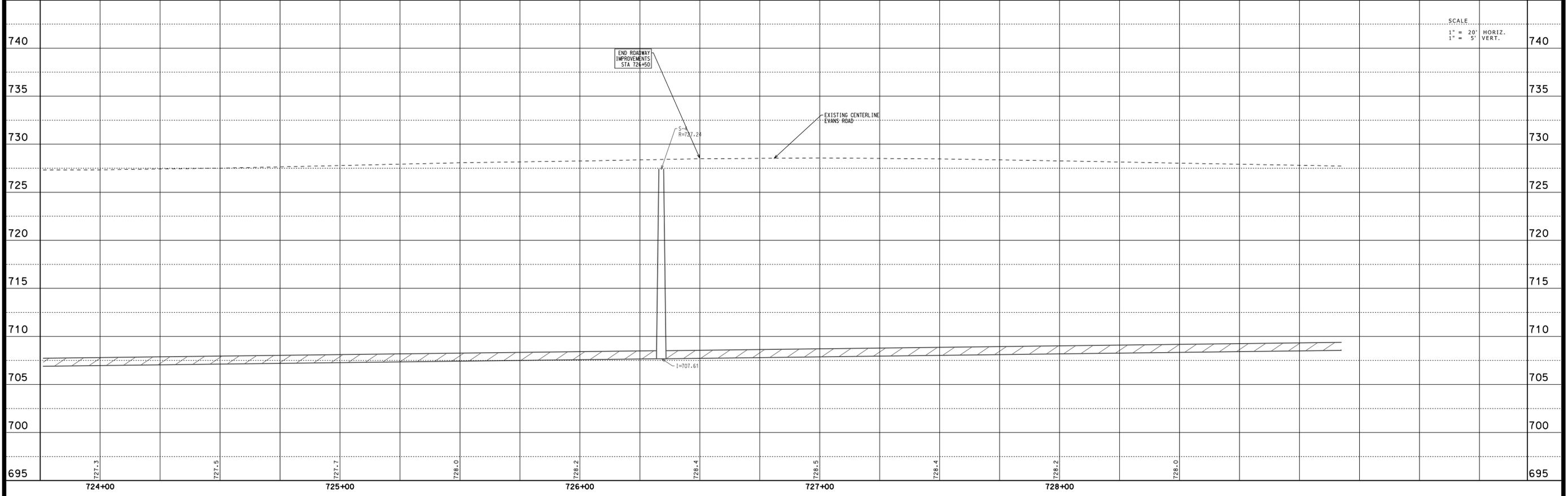
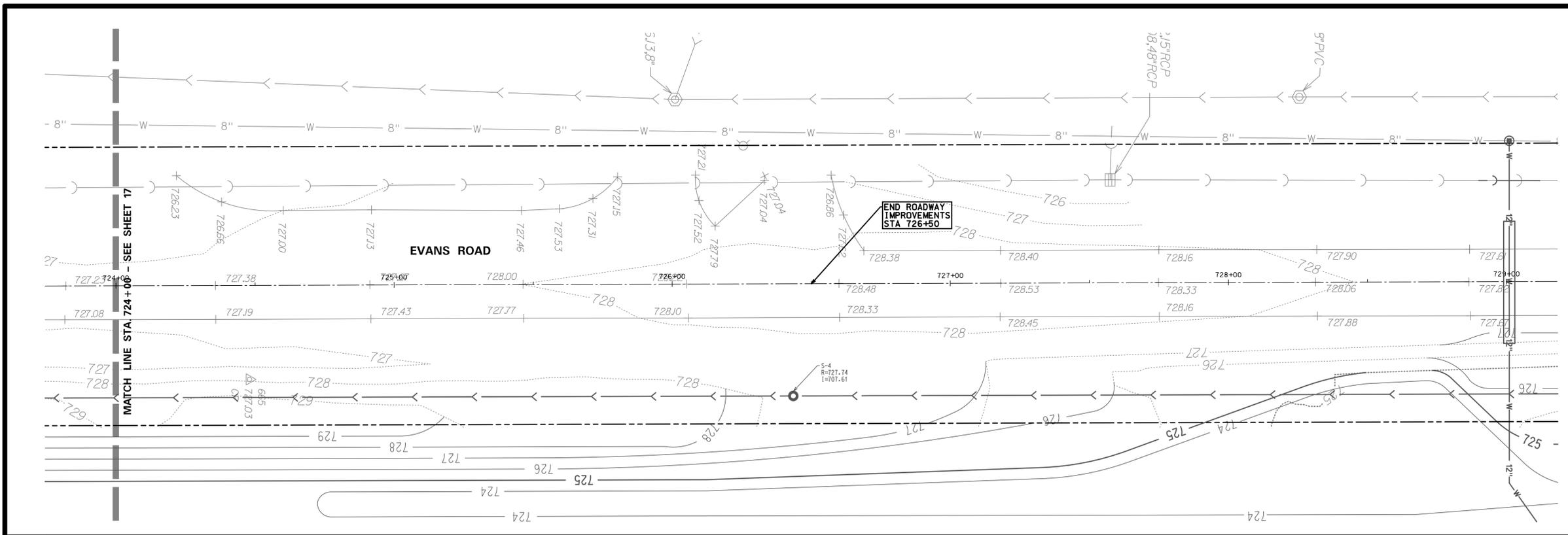
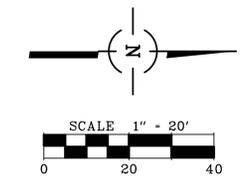
9575 W. Higgins Road, Suite 700  
 Rosemont, Illinois 60018  
 Phone: (847) 696-4060 Fax: (847) 696-4065



NO.	DATE	PER IDOT DISTRICT 5	CHKD.	MODEL	DSGN.	BS
1	02/08/13	PER IDOT DISTRICT 5			DWN.	MG
		NATURE OF REVISION			CHKD.	DS
					SCALE	19,9452' / In.
					PLOT DATE	4/15/2013
					CAD USER	dstevens
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FILE NAME	8FILES					

TITLE: **PLAN & PROFILE - 6**  
**EVANS ROAD**

PROJ. NO.	6870.04
DATE	12/12/12
SHEET	17 OF 24
DRAWING NO.	
	17



**CONSULTING ENGINEERS**  
**SITE DEVELOPMENT ENGINEERS**  
**LAND SURVEYORS**

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NO.	DATE	PER IDOT DISTRICT 5	CHKD.	MODEL	BS
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					4/15/2013
					dstevens
					Default

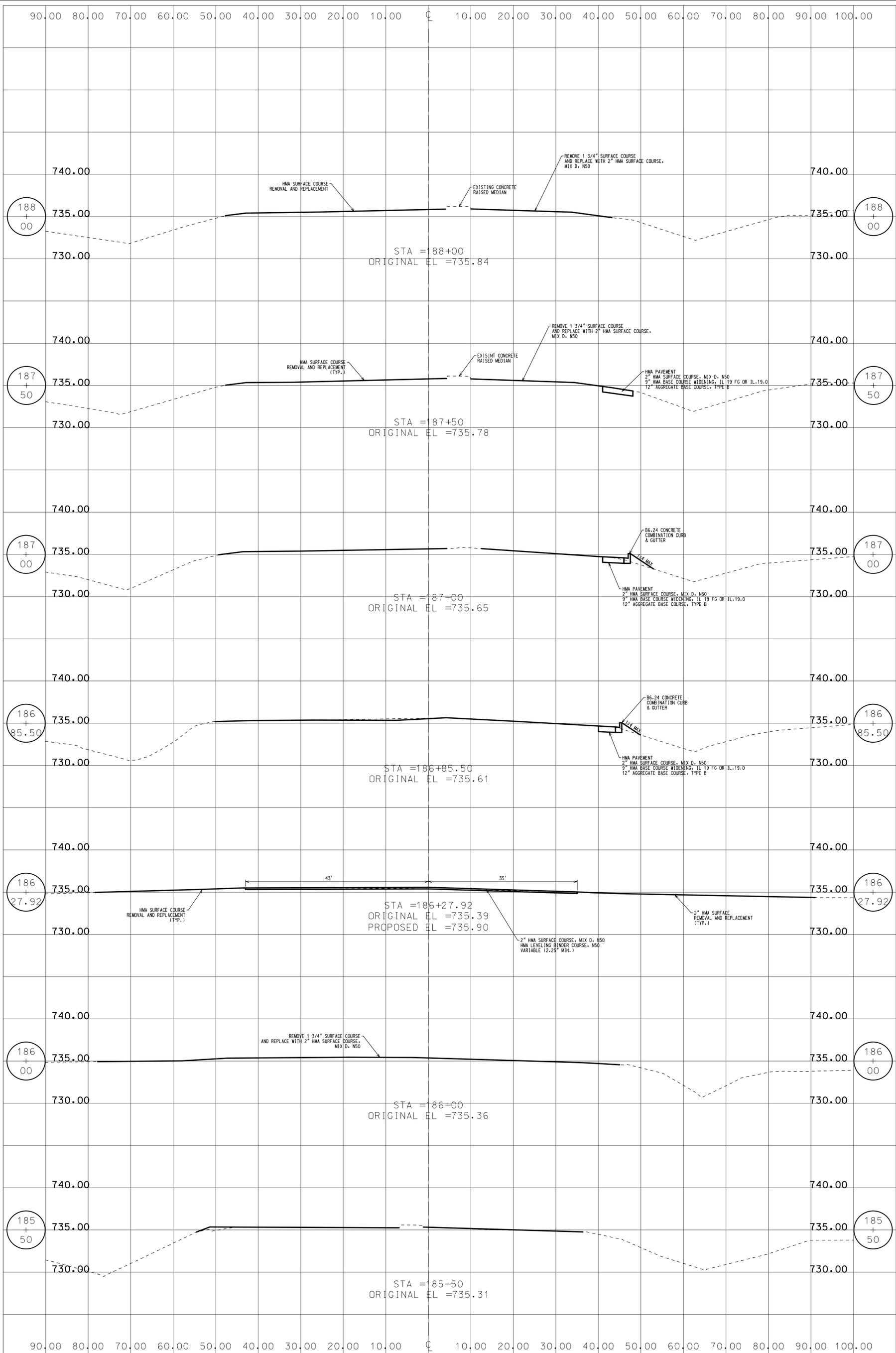
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## PLAN & PROFILE - 7 EVANS ROAD

PROJ. NO. 6870.04  
 DATE: 12/12/12  
 SHEET 18 OF 24  
 DRAWING NO.  
**18**





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**LAND SURVEYORS**

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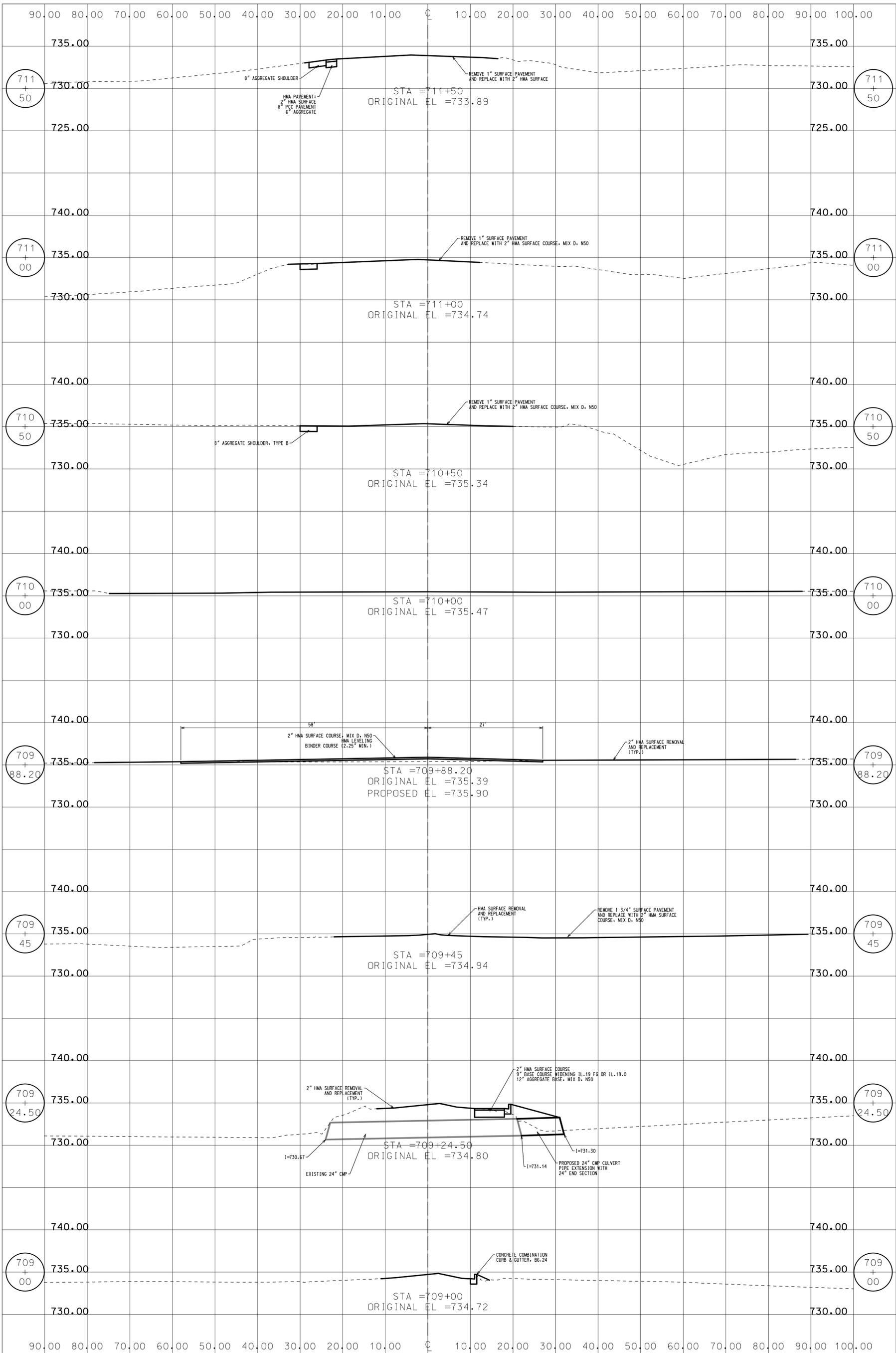


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DWN.	MG
CHKD.	DS
SCALE:	0.9973' / In.
PLOT DATE:	4/15/2013
CAD USER:	dstevens
MODEL:	Default

TITLE:

**CROSS SECTION - 1**  
**ROUTE 136**

PROJ. NO. 6870.04  
 DATE: 12/12/12  
 SHEET 20 OF 24  
 DRAWING NO.  
**20**



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LAND SURVEYORS

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CLIENT:



DSGN.	BS
DWN.	MG
CHKD.	DS
SCALE:	0.9973' / In.
PLOT DATE:	4/15/2013
CAD USER:	dstevens
MODEL:	Default

TITLE:

**CROSS SECTION - 2  
EVANS ROAD AND  
ROUTE 136 INTERSECTION**

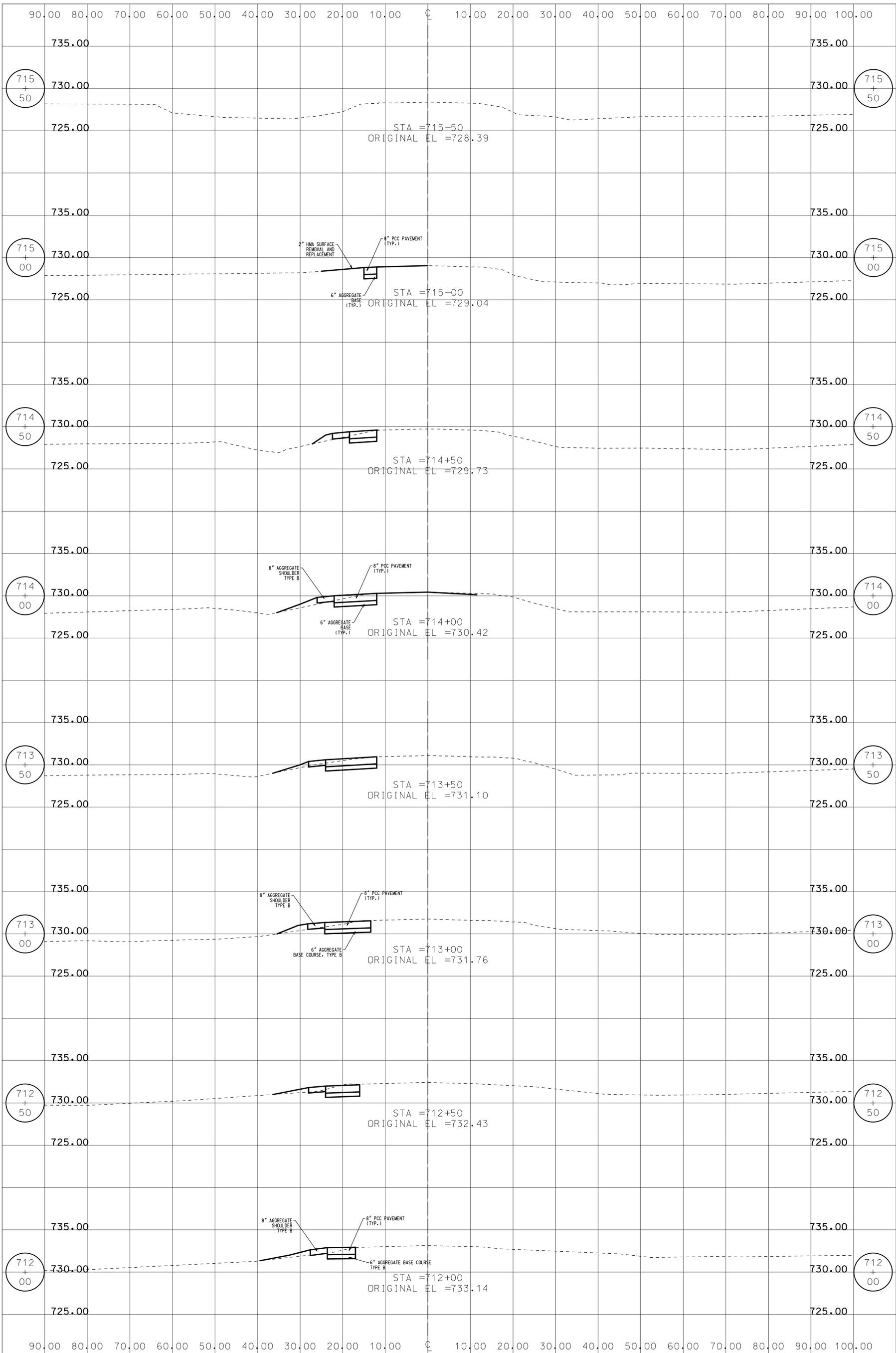
PROJ. NO. 6870.04

DATE: 12/12/12

SHEET 21 OF 24

DRAWING NO.

21



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CLIENT:



DSGN.	BS
DWN.	MG
CHKD.	DS
SCALE:	0.9973' / In.
PLOT DATE:	4/15/2013
CAD USER:	dstevens
MODEL:	Default

TITLE:

**CROSS SECTION - 3**  
**EVANS ROAD**

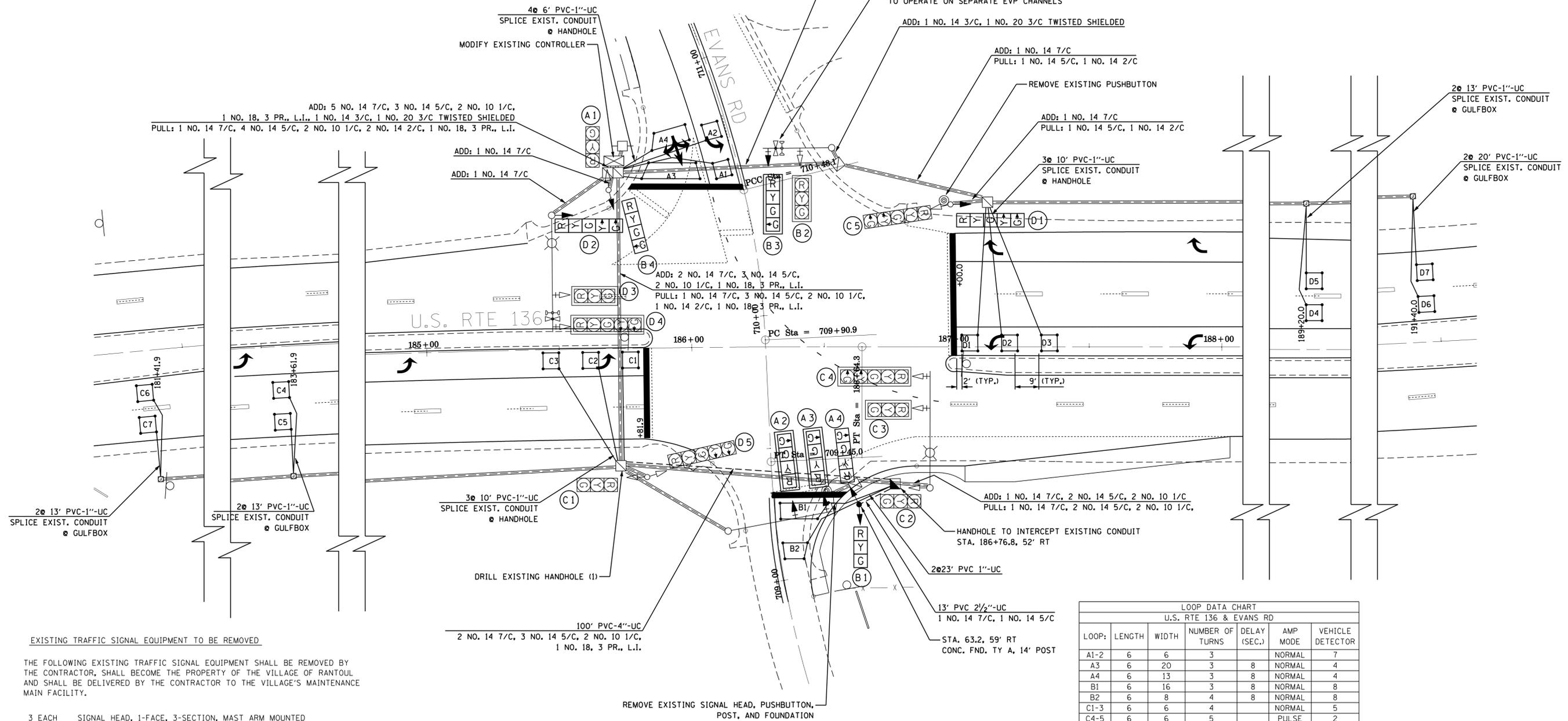
PROJ. NO. 6870.04
DATE: 12/12/12
SHEET 22 OF 24
DRAWING NO.
<b>22</b>

**TRAFFIC SIGNAL LEGEND**

CONTROLLER			PEDESTRIAN PUSHBUTTON DETECTOR		
SERVICE INSTALLATION			DETECTOR LOOP		
SIGNAL HEAD			GULFBOX JUNCTION		
SIGNAL HEAD WITH BACKPLATE			EMERGENCY VEHICLE LIGHT DETECTOR		
SIGNAL POST			CONFIRMATION BEACON		
MAST ARM ASSEMBLY AND POLE, STEEL			SIGNAL FACE		
COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE			SIGNAL FACE WITH BACKPLATE		
UNDERGROUND CONDUIT REMOVE ITEM					
HANDHOLE					
DOUBLE HANDHOLE					
CONDUIT UNDERGROUND					

**GENERAL NOTES**

1. LOOPS C4, C5, C6, C7, D4, D5, D6, AND D7 SHALL PROVIDE DILEMMA ZONE PROTECTION DURING PHASE GREEN AND SERVE AS COUNTERS TO EXTEND INITIAL GREEN DURING PHASE RED.
2. ALIGN ADJACENT RED INDICATIONS TO SAME HEIGHT ABOVE PAVEMENT.
3. EXISTING CABLE, CONDUIT, AND SIGNAL EQUIPMENT IS TO BE UTILIZED EXCEPT AS SHOWN ON THE PLANS.
4. SIGNAL FACES ARE NOTED AS "A", "B", "C", AND "D" FOR THE NORTH, SOUTH, WEST, AND EAST APPROACHES, RESPECTIVELY.
5. ITEMS REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE NOTED ON THE PLANS. NOTED ITEMS TO BE RETURNED TO THE VILLAGE OF RANTOUL SHALL BE STORED ON THE JOBSITE AS DIRECTED BY THE ENGINEER.
6. THE ACTUAL LOCATION OF PROPOSED SIGNAL FOUNDATIONS AND HANDHOLES SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
7. POST MOUNTED SIGNAL HEADS SHALL BE INSTALLED SO THAT NO PART OF THE SIGNAL HEAD IS WITHIN 2 FEET OF THE FACE OF THE CURB.
8. THE BASE FOR A TRAFFIC SIGNAL POST SHALL BE SITUATED SUCH THAT THE HANDHOLE IS LOCATED ON A SIDE AWAY FROM A TRAVELED LANE.



**EXISTING TRAFFIC SIGNAL EQUIPMENT TO BE REMOVED**

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL BECOME THE PROPERTY OF THE VILLAGE OF RANTOUL AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE VILLAGE'S MAINTENANCE MAIN FACILITY.

- 3 EACH SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED
- 3 EACH SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED
- 3 EACH TRAFFIC SIGNAL BACKPLATE
- 1 EACH TRAFFIC SIGNAL POST WITH BASE

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 2 EACH PEDESTRIAN PUSHBUTTON

**RESTORATION OF WORK AREA.** RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE COST OF THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

LOOP DATA CHART						
U.S. RTE 136 & EVANS RD						
LOOP:	LENGTH	WIDTH	NUMBER OF TURNS	DELAY (SEC.)	AMP MODE	VEHICLE DETECTOR
A1-2	6	6	3		NORMAL	7
A3	6	20	3	8	NORMAL	4
A4	6	13	3	8	NORMAL	4
B1	6	16	3	8	NORMAL	8
B2	6	8	4	8	NORMAL	8
C1-3	6	6	4		NORMAL	5
C4-5	6	6	5		PULSE	2
C6-7	6	6	6		PULSE	2
D1-3	6	6	4		NORMAL	1
D4-5	6	6	5		PULSE	6
D6-7	6	6	6		PULSE	6

- THE FOLLOWING LOOPS SHALL BE WIRED TO COMMON DETECTORS: (A1, A2), (A3, A4), (B1, B2), (C1, C2, C3), (C4, C5), (C6, C7), (D1, D2, D3), (D4, D5), (D6, D7).
- 9 AMPLIFIERS REQUIRED.
- THE CONTROLLER SHALL BE SET TO MINIMUM RECALL U.S. RTE 136.

FILE NAME =	USER NAME =	DESIGNED - DMS	REVISED - 2/11/2012
...\\Design\Signals\23\signal.dgn		DRAWN - DMS	REVISED - 3/13/2013
		CHECKED - DMS	REVISED -
		DATE - 12/12/2012	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODIFICATION PLAN  
US RTE 136 AT EVANS RD**

SCALE: 1"=20'    SHEET NO.    OF    SHEETS    STA.    TO    STA.

**KLOA**  
Kenig, Lindgren, O'Hara, Aboona, Inc.

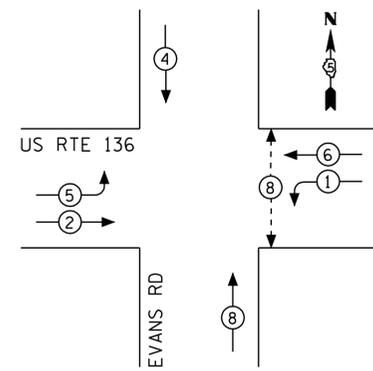
9575 West Higgins Road, Suite 400  
Rosemont, Illinois 60018  
P: (847) 518-9990 F: (847) 518-9987

PROJECT # 12-110

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	13-00107-00-PV	CHAMPAIGN	23	24

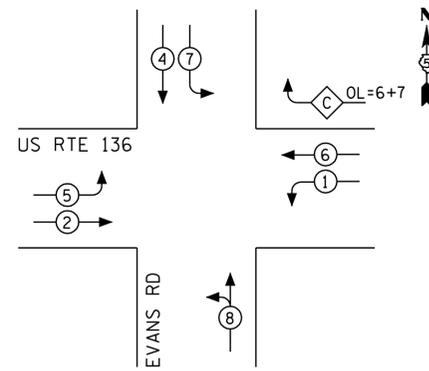
CONTRACT NO.    FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT

EXISTING PHASE DESIGNATION DIAGRAM



- LEGEND**
- ◉ DUAL ENTRY PHASE
  - ◻ SINGLE ENTRY PHASE
  - ◊ OL OVERLAP
  - ◉ PEDESTRIAN PHASE
  - NUMBER REFERS TO ASSOCIATED PHASE

PROPOSED PHASE DESIGNATION DIAGRAM

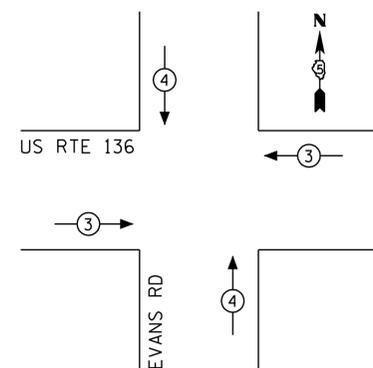


NOTE: NORTHBOUND AND SOUTHBOUND SHALL BE SPLIT-PHASE.

SUMMARY OF QUANTITIES

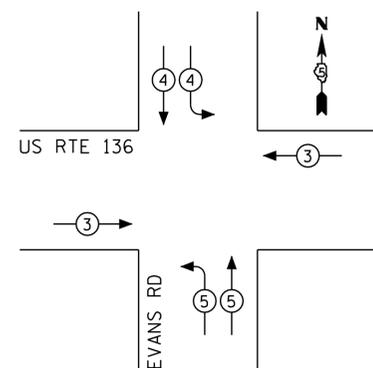
QTY	UNIT	ITEM DESCRIPTION
1	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701
13	FOOT	UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.
100	FOOT	UNDERGROUND CONDUIT, PVC, 4" DIA.
1	EACH	HANDHOLE
621	FOOT	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
157	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
853	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
897	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
242	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR
1	EACH	TRAFFIC SIGNAL POST, ALUMINUM STEEL 14 FT.
4	FOOT	CONCRETE FOUNDATION, TYPE A
1	EACH	DRILL EXISTING HANDHOLE
1	EACH	SIGNAL HEAD ,POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD ,POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED
3	EACH	SIGNAL HEAD ,POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD ,POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
3	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED
925	FOOT	DETECTOR LOOP, TYPE I
1	EACH	MODIFY EXISTING CONTROLLER
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	REMOVE EXISTING HANDHOLE
1	EACH	REMOVE EXISTING CONCRETE FOUNDATION
18	EACH	CONDUIT SPLICE
157	FOOT	ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↓ ↑

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	← →	↓ ↑	← ↑

FILE NAME =	USER NAME =	DESIGNED - DMS	REVISED - 2/13/2012
...Design\Signals\241-quan.dgn		DRAWN - DMS	REVISED - 3/13/2013
	PLOT SCALE =	CHECKED - DMS	REVISED -
	PLOT DATE = 3/13/2013	DATE - 12/12/2012	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PHASE DESIGNATION DIAGRAM, EVP  
SEQUENCE & SUMMARY OF QUANTITIES  
US RTE 136 AT EVANS RD

SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.

**KLOA**  
Kenig, Lindgren, O'Hara, Aboona, Inc.

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Rosemont, Illinois 60018  
P: (847) 518-9990 F: (847) 518-9987  
PROJECT # 12-110

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	13-00107-00-PV	CHAMPAIGN	24	24
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				