

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	123RS-6	MASON	66	1
		ILLINOIS	CONTRACT NO. 72B83	

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES, MIX REQUIREMENTS
- 3-6 SUMMARY OF QUANTITIES
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- 41-66 CROSS SECTIONS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAP 315 (US 136)

SECTION 123RS-6

PROJECT # NHPP-0315(067)

PPP HMA RESURFACING, SHOULDER IMPROVEMENTS

MASON COUNTY

C-96-046-08

STANDARDS

000001-06	630301-07	701311-03
001001-02	642006	701901-06
001006	667101-02	725001-01
280001-07	701001-02	780001-05
406201-01	701006-05	781001-04
442201-03	701201-04	
542401-02	701306-03	
630001-11		

HIGHWAY CLASSIFICATION

FUNCTIONAL CLASS

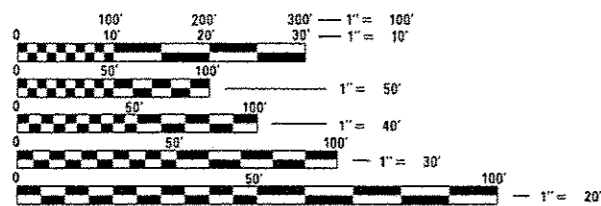
US 136 - OTHER PRINCIPAL ARTERIAL

ADT - 2,200 (2015)

PV = 68.7%

SU = 8.6%

MU = 22.7%

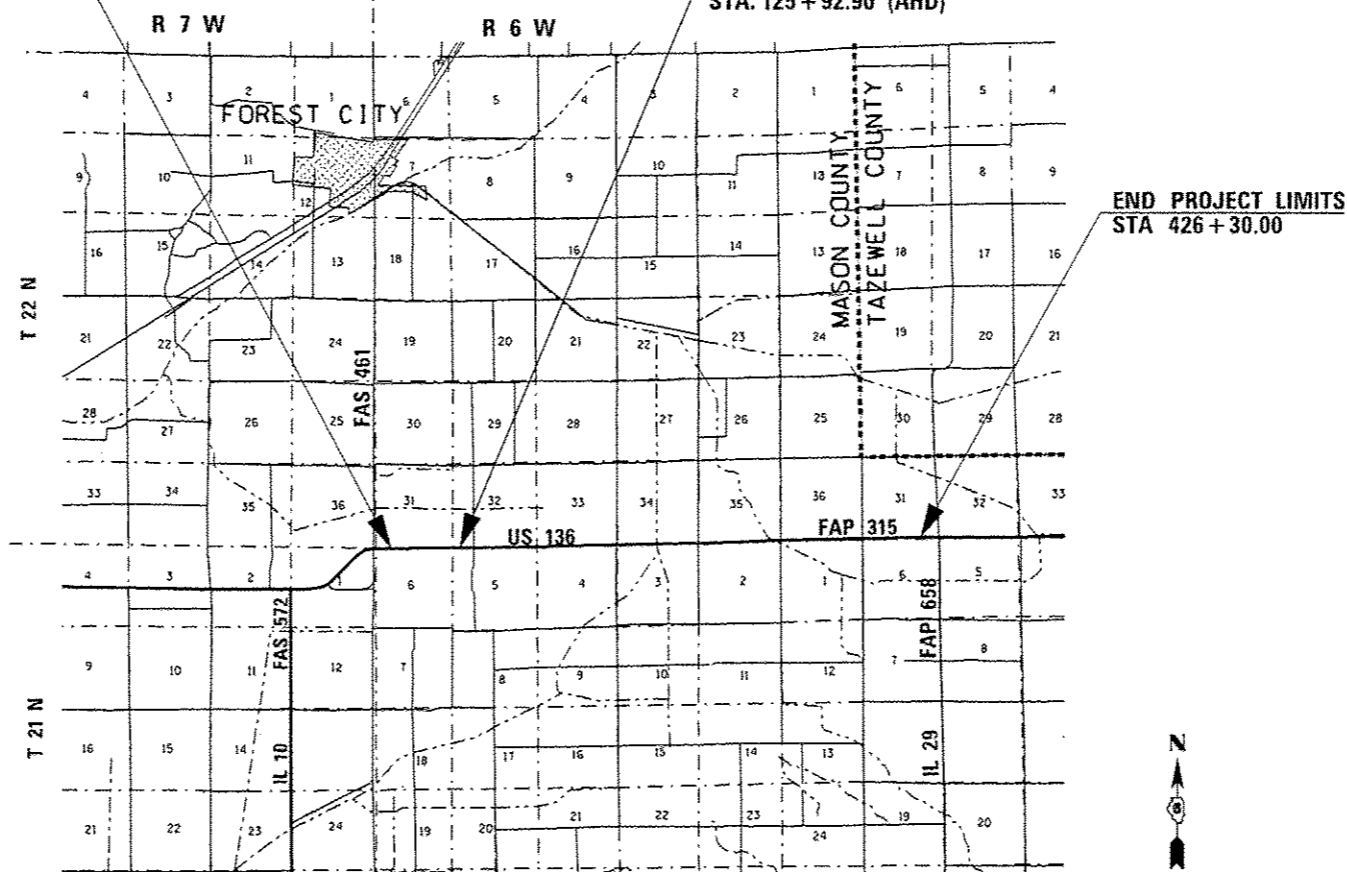


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

BEGIN PROJECT LIMITS
STA 641 + 55.86

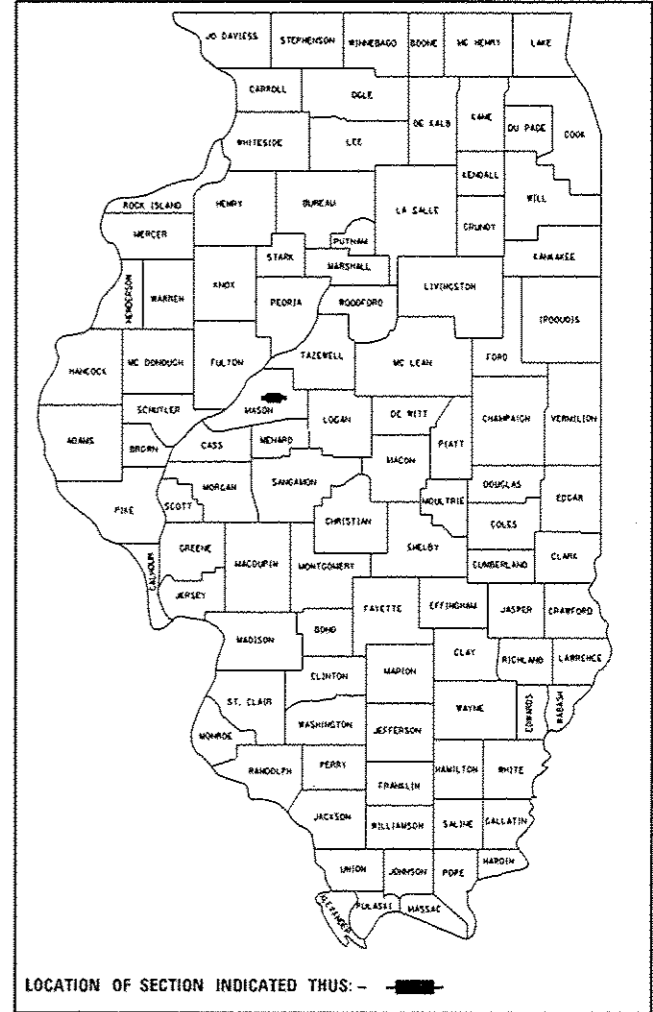
STATION EQUATION:
STA. 696 + 79.39 (BK) =
STA. 125 + 92.90 (AHD)



LOCATION MAP

GROSS & NET LENGTH = 35,561.53 FEET = 6.74 MILES

D-96-046-08



LOCATION OF SECTION INDICATED THUS: - [black rectangle] -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *3 February 2017*

[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Mar 24 2017
Maureen M. Addis
ENGINEER OF DESIGN AND ENVIRONMENT

Mar 24 2017
[Signature]
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PROJECT ENGINEER: JAY WAVERING (217) 785-9046
PROJECT MANAGER: TIM SLAGLE (217) 785-5338

CONTRACT NO. 72B83

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

PPS# 6-00272-0000

80% FED ✓
20% STATE
ROADWAY
0005 ✓
RURAL ✓

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
20200100	EARTH EXCAVATION	CU YD	164	164
20400800	FURNISHED EXCAVATION	CU YD	46	46
25000200	SEEDING, CLASS 2	ACRE	0.78	0.78
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	70	70
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	70	70
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	70	70
25000700	AGRICULTURAL GROUND LIMESTONE	TON	1.6	1.6
25100115	MULCH, METHOD 2	ACRE	0.78	0.78
28000305	TEMPORARY DITCH CHECKS	FOOT	36	36
28000500	INLET AND PIPE PROTECTION	EACH	6	6
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	19	19
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	73,897	73,897
40600627	LEVELING BINDER (MACHINE METHOD), IL-9, SFG, N50	TON	3,696	3,696
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1,595	1,595

19

PPS# 6-00272-0000

80% FED
20% STATE
ROADWAY
0005
RURAL

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
54001003	BOX CULVERT END SECTIONS, CULVERT NO. 3	EACH	2	2
54002020	EXPANSION BOLTS, 3/4 INCH	EACH	62	62
54010303	PRECAST CONCRETE BOX CULVERTS 3' X 3'	FOOT	14	14
54215550	METAL END SECTIONS 15"	EACH	3	3
54200220	PIPE CULVERTS, CLASS D, TYPE I 15"	FOOT	133	133
54248510	CONCRETE COLLAR	CU YD	3.0	3.0
* 63100169	TRAFFIC BARRIER TERMINAL, TYPE I (SPECIAL) FLARED	EACH	1	1
63200310	GUARDRAIL REMOVAL	FOOT	115	115
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	70.666	70.666
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	2	2
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6
67100100	MOBILIZATION	LSUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	LSUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	LSUM	1	1

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* SPECIALTY ITEM

FILE NAME : USER NAME = Varankhifa DESIGNED - REVISIONS - p:\11\084EBI\INTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 6\Projects\06722000\06722000.dwg E:\06722000\06722000.dwg PLOT SCALE = 100.0000' / in. CHECKED - REVISIONS - PLOT DATE = 2/3/2017 DATE - REVISIONS -				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			SUMMARY OF QUANTITIES				F.A.P. RTE. 315 SECTION 123RS-6 COUNTY MASON TOTAL SHEETS 66 SHEET NO. 5
				SCALE:		SHEET 3 OF 4 SHEETS		STA. TO STA.		[ILLINOIS] FED. AID PROJECT	

11/15/2017

PPS# 6-00272-0000

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% STATE ROADWAY 0005 RURAL
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	360	360
70300100	SHORT TERM PAVEMENT MARKING	FOOT	19,203	19,203
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2,133	2,133
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	1	1
* 78001120	PAINT PAVEMENT MARKING - LINE 5"	FOOT	85,520	85,520
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	445	445
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	445	445
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	35,561	35,561
X5400504	PRECAST CONCRETE BOX CULVERTS 2' X 2' (SPECIAL)	FOOT	29	29

9
* SPECIALTY ITEM

FILE NAME : p:\111\094EBIDINTEG.illinois.gov\PI\DOT\Documents\100T_Offices\District 6\Projects\0672803\0672803.dwg	USER NAME : Vamshif	DESIGNED -	REVISED -
Default	PLOT SCALE : 100.0000' / 1"	CHECKED -	REVISED -
	PLOT DATE : 2/3/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	123RS-6	MASON	66	6
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72883	

US 136 MAINLINE HMA RESURFACING SCHEDULE											
LOCATION FOR RESURFACING WORK	DISTANCE OF RUN (FOOT)	MAINLINE PAVEMENT WIDTH (FOOT)	PAVEMENT/SHOULDER MILLING WIDTH (*) (FOOT)	MAINLINE BUTT JOINT WIDTH (FOOT)	HMA SURFACE REMOVAL - BUTT JOINT	HMA SURFACE REMOVAL, 3/4" (*)	LEVELING BINDER (MM), IL9.5FG, N50 (3/4")	LONGITUDINAL JOINT SEALANT (18" WIDTH)	HMA SURFACE COURSE, MIX "C", N50 (1 1/2")	BITUMINOUS MATERIALS (TACK COAT)	BITUMINOUS MATERIALS (TACK COAT) (BETWEEN LIFTS)
					40600982 (SQ YD)	44000152 (SQ YD)	40600627 (TON)	Z0033700 (FOOT)	40603310 (TON)	40600290 (POUND)	40600290 (POUND)
US 136 (NORTH SIDE OF MAINLINE US 136)											
STA 641+55.86 TO STA 641+85.86	30.0			30.0	100.0		5.0	30.0	8.4	45.0	22.5
STA 641+85.86 TO STA 685+95.81	4410.0	24.0	27.0			13229.9	555.7	4410.0	1111.3	5291.9	2646.0
STA 685+95.81 TO STA 696+79.39	1083.6	22.0	25.0			3009.9	126.4	1083.6	252.8	1191.9	596.0
STATION EQUATION: STA. 696+79.39 (BACK) = STA. 125+92.90 (AHEAD)											
STA 125+92.90 TO STA 178+72.90	5280.0	22.0	25.0			14666.7	616.0	5280.0	1232.0	5808.0	2904.0
STA 178+72.90 TO STA 231+52.90	5280.0	22.0	25.0			14666.7	616.0	5280.0	1232.0	5808.0	2904.0
STA 231+52.90 TO STA 284+32.90	5280.0	22.0	25.0			14666.7	616.0	5280.0	1232.0	5808.0	2904.0
STA 284+32.90 TO STA 337+12.90	5280.0	22.0	25.0			14666.7	616.0	5280.0	1232.0	5808.0	2904.0
STA 337+12.90 TO STA 389+92.90	5280.0	22.0	25.0			14666.7	616.0	5280.0	1232.0	5808.0	2904.0
STA 389+92.90 TO STA 426+00.00	3607.1	22.0	25.0			10019.7	420.8	3607.1	841.7	3967.8	1983.9
STA 426+00.00 TO STA 426+30.00	30.0			30.0	100.0		5.0	30.0	8.4	45.0	22.5
TOTALS =	35,560.6				200.0	99,592.8	4,192.9	35,560.6	8,382.6	39,581.7	19,790.8

* - Pavement widths for HMA Surface Removal, 3/4" includes a 1.5' width of proposed hma removal for left and right hma shoulders.
See Typical Cross Sections for details.

SIDE ROAD TREATMENT							
SIDE ROAD LOCATION	HMA SIDE ROAD WIDTH "A"	HMA SIDE ROAD WIDTH "B"	HMA SIDE ROAD DEPTH "C"	SURFACE AREA (BY CADD) (SQ. FOOT)	HMA SURFACE REMOVAL - BUTT JOINT	BITUMINOUS MATERIALS (TACK COAT)	INCIDENTAL HMA SURFACING (AVG. DEPTH = 1.75")
	(FOOT)	(FOOT)	(FOOT)		40600982 (SQ YD)	40600290 (POUND)	40800050 (TON)
N COUNTY ROAD 2850 E (STA. 662+32.00 SOUTH LEG)	62.7	34.0	10.0	472.7	52.5	23.6	5.1
STATION EQUATION: STA. 696+79.39 (BACK) = STA. 125+92.90 (AHEAD)							
N COUNTY ROAD 2930 E (STA. 131+97.00 NORTH LEG)	67.8	21.1	43.0	1308.9	145.4	65.4	14.3
N COUNTY ROAD 2930 E (STA. 131+97.00 SOUTH LEG)	56.5	19.7	27.3	857.3	95.3	42.9	9.3
N COUNTY ROAD 3100 E (STA. 223+94.00 SOUTH LEG)	100.0	28.0	31.0	1679.8	186.6	84.0	18.3
N COUNTY ROAD 3100 E (STA. 224+88.00 NORTH LEG)	81.5	25.8	31.0	1488.1	165.3	74.4	16.2
N COUNTY ROAD 3200 E (STA. 277+80.00 SOUTH LEG)	52.6	15.7	31.0	914.6	101.6	45.7	10.0
N COUNTY ROAD 3300 E (STA. 331+04.00 NORTH LEG)	72.1	28.2	22.5	1057.9	117.5	52.9	11.5
N COUNTY ROAD 3300 E (STA. 331+04.00 SOUTH LEG)	65.9	46.5	10.0	561.8	62.4	28.1	6.1
N COUNTY ROAD 3400 E (STA. 384+17.60 NORTH LEG)	53.5	26.6	17.0	640.6	71.2	32.0	7.0
N COUNTY ROAD 3400 E (STA. 384+22.00 SOUTH LEG)	52.3	21.7	23.0	773.6	86.0	38.7	8.4
TOTALS =				9,755.3	1,083.9	487.8	106.2

TEMPORARY RAMP SCHEDULE				
SIDE ROAD LOCATION	OFFSET FROM EDGE OF PAVEMENT	ROADWAY WIDTH @ OFFSET	TEMPORARY RAMP WIDTH (1.75" DEPTH @ 40:1)	TEMPORARY RAMP
	(FOOT)	(FOOT)	(FOOT)	40600990 (SQ. YARD)
US 136				
N COUNTY ROAD 2850 E (STA. 662+32.00 SOUTH LEG)	10.0	34.0	5.8	22.0
STATION EQUATION: STA. 696+79.39 (BACK) = STA. 125+92.90 (AHEAD)				
N COUNTY ROAD 2930 E (STA. 131+97.00 NORTH LEG)	43.1	21.0	5.8	13.6
N COUNTY ROAD 2930 E (STA. 131+97.00 SOUTH LEG)	27.3	19.6	5.8	12.7
N COUNTY ROAD 3100 E (STA. 223+94.00 SOUTH LEG)	31.0	28.0	5.8	18.1
N COUNTY ROAD 3100 E (STA. 224+88.00 NORTH LEG)	31.0	25.8	5.8	16.7
N COUNTY ROAD 3200 E (STA. 277+80.00 SOUTH LEG)	30.6	15.7	5.8	10.2
N COUNTY ROAD 3300 E (STA. 331+04.00 NORTH LEG)	24.0	28.0	5.8	18.1
N COUNTY ROAD 3300 E (STA. 331+04.00 SOUTH LEG)	11.8	46.5	5.8	30.1
N COUNTY ROAD 3400 E (STA. 384+17.60 NORTH LEG)	17.1	26.6	5.8	17.2
N COUNTY ROAD 3400 E (STA. 384+22.00 SOUTH LEG)	23.1	21.6	5.8	14.0
TOTALS =		266.8		172.8

PAVEMENT PATCHING SCHEDULE			
PATCHING LOCATION	PAVEMENT PATCHING, TYPE II, 17 INCH	PAVEMENT PATCHING, TYPE III, 17 INCH	PAVEMENT PATCHING, TYPE IV, 17 INCH
	44200202 (SQ YD)	44200204 (SQ YD)	44200206 (SQ YD)
US 136			
EASTBOUND LANES, VARIOUS LOCATIONS	317	74	164
WESTBOUND LANES, VARIOUS LOCATIONS	156	47	80
TOTALS =	473	121	244

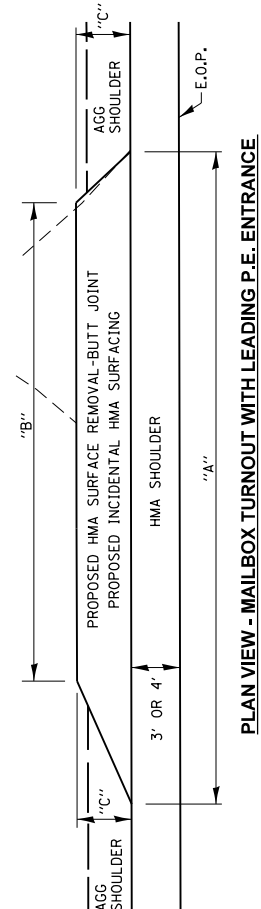
US 136 SHOULDER TREATMENT, LEFT SIDE							
SHOULDER LOCATION	DISTANCE OF RUN (FOOT)	PROPOSED HMA SHOULDER WIDTH (FOOT)	PROPOSED AGGREGATE SHOULDER WIDTH (FOOT)	BITUMINOUS MATERIALS (TACK COAT)	HMA SHOULDERS (*)	SHOULDER RUMBLE STRIPS, 8"	AGGREGATE WEDGE SHOULDER, TYPE B (AVG. DEPTH = 2")
				40600290 (POUND)	48203100 (TON)	64200108 (FOOT)	48102100 (TON)
US 136 (NORTH SIDE OF MAINLINE US 136)							
STA 641+55.86 TO STA 685+95.81	4440.0	3.0	4.0	666.0	139.9	4440.0	224.7
STA 685+95.81 TO STA 696+79.39	1083.6	4.0	4.0	216.7	44.2	1083.6	54.8
STATION EQUATION: STA. 696+79.39 (BACK) = STA. 125+92.90 (AHEAD)							
STA 125+92.90 TO STA 131+79.49	586.6	4.0	4.0	117.3	24.0	586.6	29.7
N COUNTY ROAD 2930 E (STA. 131+97.00)							
STA 132+16.16 TO STA 224+56.53	9240.4	4.0	4.0	1848.1	377.3	9240.4	467.7
N COUNTY ROAD 3100 E (STA. 224+88.00)							
STA 225+17.42 TO STA 249+65.67	2448.3	4.0	4.0	489.7	100.0	2448.3	123.9
STA 249+47.42 TO STA 249+81.11	33.7	5.5	4.0	9.3	1.8	33.7	-2.2
STA 249+81.11 TO STA 252+39.07	258.0	7.0	4.0	90.3	17.8	258.0	13.1
STA 252+39.07 TO STA 252+72.78	33.7	5.5	4.0	9.3	1.8	33.7	1.7
STA 252+72.78 TO STA 326+69.26	7396.5	4.0	4.0	1479.3	302.0	7396.5	374.4
STA 326+69.26 TO STA 327+06.71	37.5	5.5	4.0	10.3	2.1	37.5	1.9
STA 327+06.71 TO STA 330+81.01	374.3	7.0	4.0	131.0	25.8	374.3	18.9
N COUNTY ROAD 3300 E (STA. 331+04.00)							
STA 331+30.40 TO STA 384+02.60	5272.2	4.0	4.0	1054.4	215.3	5272.2	266.9
N COUNTY ROAD 3400 E (STA. 384+17.60)							
STA 384+44.71 TO STA 426+30.00	4185.3	4.0	4.0	837.1	170.9	4185.3	211.8
TOTALS =	35,389.8			6,958.7	1,422.8	35,389.8	1,787.5

* - See Typical Cross Sections for proposed HMA SHOULDERS treatment.

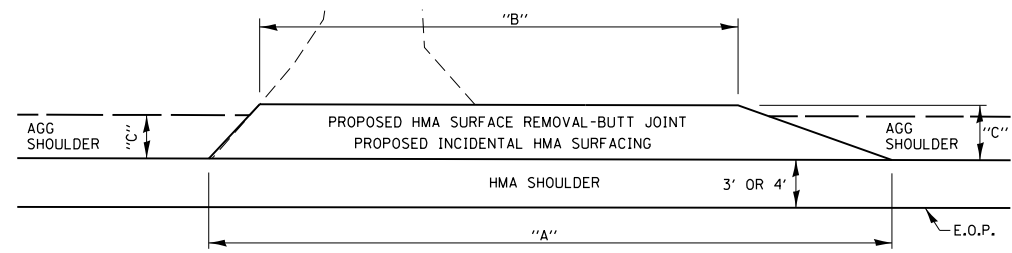
US 136 SHOULDER TREATMENT, RIGHT SIDE							
SHOULDER LOCATION	DISTANCE OF RUN (FOOT)	PROPOSED HMA SHOULDER WIDTH (FOOT)	PROPOSED AGGREGATE SHOULDER WIDTH (FOOT)	BITUMINOUS MATERIALS (TACK COAT)	HMA SHOULDERS (*)	SHOULDER RUMBLE STRIPS, 8"	AGGREGATE WEDGE SHOULDER, TYPE B (AVG. DEPTH = 2")
				40600290 (POUND)	48203100 (TON)	64200108 (FOOT)	48102100 (TON)
US 136 (SOUTH SIDE OF MAINLINE US 136)							
STA 641+55.86 TO STA 662+05.50	2049.64	3.0	4.0	307.4	64.6	2049.6	103.7
N COUNTY ROAD 2850 E (STA. 662+32.00)							
STA 662+46.55 TO STA 685+95.81	2349.26	3.0	4.0	352.4	74.0	2349.3	118.9
STA 685+95.81 TO STA 696+79.39	1083.58	4.0	4.0	216.7	44.2	1083.6	54.8
STATION EQUATION: STA. 696+79.39 (BACK) = STA. 125+92.90 (AHEAD)							
STA 125+92.90 TO STA 131+78.55	585.65	4.0	4.0	117.1	23.9	585.6	29.6
N COUNTY ROAD 2930 E (STA. 131+97.00)							
STA 132+15.89 TO STA 223+53.86	9137.97	4.0	4.0	1827.6	373.1	9138.0	462.5
N COUNTY ROAD 3100 E (STA. 223+94.00)							
STA 224+27.75 TO STA 250+41.89	2614.14	4.0	4.0	522.8	106.7	2614.1	132.3
STA 250+41.89 TO STA 250+83.50	41.61	5.5	4.0	11.4	2.3	41.6	2.1
STA 250+83.50 TO STA 252+44.48	160.98	7.0	4.0	56.3	11.1	161.0	8.1
STA 252+44.48 TO STA 252+89.77	45.29	5.5	4.0	12.5	2.5	45.3	2.3
STA 252+89.77 TO STA 277+58.35	2468.58	4.0	4.0	493.7	100.8	2468.6	125.0
N COUNTY ROAD 3200 E (STA. 277+80.00)							
STA 277+96.74 TO STA 325+79.06	4782.32	4.0	4.0	956.5	195.3	4782.3	242.1
STA 325+79.06 TO STA 326+17.59	38.53	5.5	4.0	10.6	2.1	38.5	2.0
STA 326+17.59 TO STA 330+76.00	458.41	7.0	4.0	160.4	31.6	458.4	23.2
N COUNTY ROAD 3300 E (STA. 331+04.00)							
STA 331+31.23 TO STA 383+99.00	5267.77	4.0	4.0	1053.6	215.1	5267.8	266.6
N COUNTY ROAD 3400 E (STA. 384+22.00)							
STA 384+38.12 TO STA 426+30.00	4191.88	4.0	4.0	838.4	171.2	4191.9	212.2
TOTALS =	35,275.6			6,937.5	1,418.5	35,275.6	1,785.6

* - See Typical Cross Sections for proposed HMA SHOULDERS treatment.

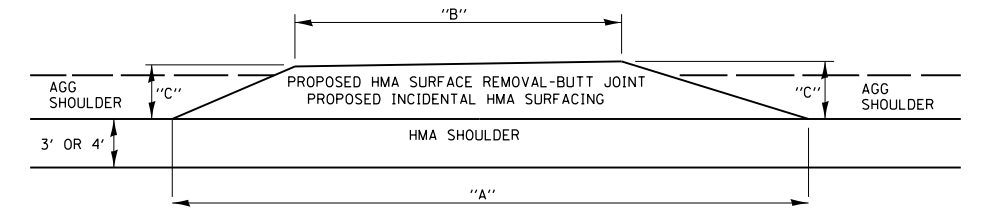
ENTRANCE WORK											
ENTRANCE LOCATION	ENTRANCE TYPE	PROPOSED WORK (YES or NO)	MAILBOX	HMA ENTRANCE WIDTH "A"	HMA ENTRANCE WIDTH "B"	HMA ENTRANCE DEPTH "C"	ENTRANCE AREA (SQ FT)	HMA SURFACE REMOVAL - BUTT JOINT	BITUMINOUS MATERIALS (TACK COAT)	INCIDENTAL HMA SURFACING (AVG. DEPTH = 1.75")	AGGREGATE SURFACE COURSE, TYPE B (DEPTH = 6")
				(FOOT)	(FOOT)	(FOOT)		40600982 (SQ YD)	40600290 (POUND)	40800050 (TON)	40200800 (TON)
STA 649+76.00 RIGHT	AGG F.E.	NO									
STA 649+77.00 LEFT	EARTH F.E.	NO									
STA 659+36.00 RIGHT	AGG P.E.	NO									
STA 659+53.00 LEFT	AGG F.E.	YES	TRAILING EDGE	63.0	43.0	5.0	265.0	29.4	13.3	2.9	
STA 662+25.00 LEFT	N/A	YES	TURNOUT	55.0	21.5	5.0	191.3	21.3	9.6	2.4	
STA 663+02.00 LEFT	EARTH F.E.	NO									
STA 676+43.00 LEFT	AGG F.E.	NO									
STA 688+75.00 RIGHT	EARTH F.E.	NO									
STA 144+89.00 RIGHT	AGG F.E.	NO									
STA 151+74.00 LEFT	AGG F.E.	NO									
STA 158+42.50 RIGHT	AGG F.E.	YES		16.0	16.0	15.1	271.8				10.4
STA 158+59.00 LEFT	AGG F.E.	YES		16.0	16.0	13.3	216.4				8.3
STA 171+54.00 LEFT	AGG F.E.	NO									
STA 172+45.00 RIGHT	AGG P.E.	YES		55.0	43.0	4.0	196.0	21.8	9.8	2.4	
STA 183+09.00 LEFT	AGG F.E.	NO									
STA 183+53.00 RIGHT	AGG F.E.	NO									
STA 184+73.00 LEFT	OIL/CHIP F.E.	YES		33.0	24.0	4.0	114.0	12.7	5.7	1.4	
STA 197+42.00 RIGHT	AGG F.E.	NO									
STA 202+90.00 LEFT	AGG P.E.	YES		48.0	41.0	4.0	178.0	19.8	8.9	2.2	
STA 206+81.00 LEFT	AGG P.E.	YES		46.0	39.5	4.0	171.0	19.0	8.6	1.9	
STA 209+31.00 LEFT	AGG F.E.	NO									
STA 238+01.00 LEFT	AGG P.E.	YES		42.0	34.0	4.0	152.0	16.9	7.6	1.7	
STA 243+88.00 RIGHT	AGG F.E.	NO									
STA 243+91.00 LEFT	AGG P.E.	YES		38.0	30.5	4.0	137.0	15.2	6.9	1.5	
STA 249+91.00 LEFT	AGG F.E.	NO									
STA 249+94.00 RIGHT	AGG F.E.	NO									
STA 252+28.00 LEFT	AGG F.E.	NO									
STA 252+32.00 RIGHT	AGG F.E.	NO									
STA 264+69.00 RIGHT	AGG F.E.	NO									
STA 275+97.00 RIGHT	AGG P.E.	YES		36.8	29.7	4.0	133.0	14.8	6.7	1.4	
STA 277+74.00 LEFT	AGG P.E.	YES	TRAILING EDGE	69.7	47.6	5.0	293.3	32.6	14.7	3.2	
STA 290+42.00 RIGHT	AGG F.E.	NO									
STA 303+85.00 RIGHT	EARTH F.E.	NO									
STA 304+38.00 LEFT	AGG P.E.	YES	LEADING EDGE	76.0	52.2	5.0	320.5	35.6	16.0	3.5	
STA 313+94.00 RIGHT	AGG F.E.	NO									
STA 325+88.00 LEFT	EARTH F.E.	NO									
STA 342+48.00 LEFT	EARTH F.E.	NO									
STA 342+53.00 RIGHT	AGG F.E.	NO									
STA 357+54.00 RIGHT	EARTH P.E.	NO									
STA 361+05.00 RIGHT	AGG P.E.	YES		39.7	24.9	4.0	129.0	14.3	6.5	1.4	
STA 364+62.00 RIGHT	AGG P.E.	YES		38.0	29.5	4.0	135.0	15.0	6.8	1.5	
STA 365+75.00 LEFT	N/A	YES	TURNOUT (NO M.B.)	60.7	30.0	5.0	226.8	25.2	11.3	2.5	
STA 374+16.00 RIGHT	AGG F.E.	NO									
STA 402+01.00 LEFT	AGG P.E.	YES		46.3	30.0	4.0	152.6	17.0	7.6	1.7	
TOTALS =							3282.7	310.5	139.7	31.4	18.7



PLAN VIEW - MAILBOX TURNOUT WITH LEADING P.E. ENTRANCE



PLAN VIEW - MAILBOX TURNOUT WITH TRAILING P.E. ENTRANCE



PLAN VIEW - MAILBOX TURNOUT WITHOUT ENTRANCE

FILE NAME =	USER NAME = Verenskif	DESIGNED - RTS	REVISED -
pw\11084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 6\Projects\0672883\Drawings\0672883-sht-sched\REVISED -			
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/3/2017	DATE - 11-30-2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES OF QUANTITIES

SCALE: SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	123RS-6	MASON	66	9
CONTRACT NO. 72B83				
ILLINOIS FED. AID PROJECT				

EARTHWORK SCHEDULE									
EARTHWORK LOCATIONS U.S. RTE. 136			EARTH EXCAVATION LEFT	EARTH EXCAVATION RIGHT	FOR INFORMATION ONLY				FURNISHED EXCAVATION
STATION	TO	STATION	20200100 CU YD	20200100 CU YD	25% SHRINKAGE FACTOR APPLIED	EMBANKMENT LEFT CU YD	EMBANKMENT RIGHT CU YD	BALANCE WASTE (+) SHORTAGE (-)	20400800 CU YD
147+75.00	-	148+00.00	0.5	0.0	0.0	0.7	1.1	-1.1	
148+00.00	-	148+25.00	1.3	0.2	0.2	3.5	3.1	-3.0	
148+25.00	-	148+50.00	1.8	0.3	0.2	7.2	4.9	-4.7	
148+50.00	-	148+75.00	2.1	0.6	0.5	8.2	5.3	-4.9	
148+75.00	-	149+00.00	2.1	1.0	0.8	8.0	6.4	-5.7	
149+00.00	-	149+15.00	3.8	3.8	2.9	4.6	4.6	-1.8	
149+15.00	-	149+25.00	2.1	2.3	1.7	2.7	3.3	-1.6	
149+25.00	-	149+50.00	0.4	0.6	0.5	6.6	6.6	-6.2	
149+50.00	-	149+75.00	0.0	0.7	0.5	4.1	2.7	-2.2	
149+75.00	-	150+00.00	0.2	0.9	0.7	1.8	1.3	-0.6	
150+00.00	-	150+25.00	1.5	0.9	0.7	0.5	0.3	0.4	
150+25.00	-	150+50.00	1.3	0.5	0.4	0.0	0.0	0.4	
SUBTOTAL =			17.1	11.8	8.9	47.9	39.6	-30.8	
157+00.00	-	157+25.00	2.2	1.2	0.9	0.6	0.1	0.8	
157+25.00	-	157+50.00	5.4	3.4	2.6	1.7	0.1	2.5	
157+50.00	-	157+75.00	8.0	5.6	4.2	3.3	0.3	3.9	
157+75.00	-	158+00.00	7.8	5.3	4.0	5.9	6.7	-2.7	
158+00.00	-	158+11.00	2.6	1.3	1.0	5.5	9.3	-8.3	
158+11.00	-	158+17.00	3.0	1.5	1.1	2.6	4.6	-3.5	
158+17.00	-	158+27.00	4.2	3.0	2.3	3.6	5.6	-3.4	
158+27.00	-	158+41.00	1.0	5.2	3.9	5.0	8.7	-4.8	
158+41.00	-	158+48.00	0.3	3.5	2.6	2.8	2.9	-0.3	
158+48.00	-	158+55.00	2.0	2.5	1.9	4.2	3.7	-1.8	
158+55.00	-	158+73.00	5.2	3.5	2.6	8.4	5.3	-2.7	
158+73.00	-	159+00.00	4.7	5.3	4.0	10.7	2.0	2.0	
159+00.00	-	159+25.00	3.9	3.3	2.5	5.2	2.5	0.0	
159+25.00	-	159+50.00	2.0	2.3	1.7	4.5	1.9	-0.2	
159+50.00	-	159+75.00	0.6	1.1	0.8	2.0	1.4	-0.6	
SUBTOTAL =			52.9	48.0	36.0	66.0	55.1	-19.1	
329+40.00	-	329+60.00	0.0		0.0	0.7		0.0	
329+60.00	-	329+75.00	0.0		0.0	1.0		0.0	
329+75.00	-	329+95.00	0.4		0.0	1.8		0.0	
329+95.00	-	330+13.00	0.8		0.0	2.7		0.0	
330+13.00	-	330+25.00	0.5		0.0	2.3		0.0	
330+25.00	-	330+38.00	0.4		0.0	2.2		0.0	
330+38.00	-	330+45.00	0.2		0.0	1.1		0.0	
330+45.00	-	330+55.00	0.1		0.0	0.7		0.0	
330+55.00	-	330+60.00	0.0		0.0	0.1		0.0	
330+60.00	-	330+70.00	0.0		0.0	0.1		0.0	
SUBTOTAL =			2.4	0.0	0.0	12.7	0.0	0.0	
331+75.00	-	332+00.00	0.0	1.3	1.0	0.0	0.0	1.0	
332+00.00	-	332+25.00	0.3	2.3	1.7	0.3	0.0	1.7	
332+25.00	-	332+50.00	0.5	1.9	1.4	0.5	0.5	0.9	
332+50.00	-	332+72.00	2.0	4.9	3.7	2.0	2.4	1.3	
332+72.00	-	333+00.00	3.2	7.4	5.6	3.2	4.1	1.5	
333+00.00	-	333+25.00	1.4	2.4	1.8	1.4	2.5	-0.7	
333+25.00	-	333+50.00	1.3	1.2	0.9	1.3	1.9	-1.0	
333+50.00	-	333+75.00	0.9	0.4	0.3	0.9	0.8	-0.5	
SUBTOTAL =			9.6	21.8	16.4	9.6	12.2	4.2	
COMBINED TOTALS =			82	82	61	136	107	-46	46

FILE NAME =	USER NAME = Verenskif	DESIGNED - RTS	REVISED -
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 6\Projects\0672883\Drawings\0672883-sht-sched		CHECKED -	REVISED -
Default	PLOT DATE = 2/3/2017	DATE - 11-30-2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULES OF QUANTITIES

SCALE: SHEET 4 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	123RS-6	MASON	66	10
CONTRACT NO. 72B83				
ILLINOIS FED. AID PROJECT				

CONCRETE BOX CULVERT EXTENSION SCHEDULE										
CULVERT LOCATION	CULVERT SIZE (FOOT)	CONCRETE HEADWALL REMOVAL	PRECAST CONCRETE BOX CULVERTS 3' X 3'	PRECAST CONCRETE BOX CULVERTS 2' X 2' (SPECIAL)	BOX CULVERT END SECTIONS, CULVERT NO. 1	BOX CULVERT END SECTIONS, CULVERT NO. 2	BOX CULVERT END SECTIONS, CULVERT NO. 3	CONCRETE COLLAR	REINFORCEMENT BARS	EXPANSION BOLTS, 3/4
		50104400 (EACH)	54010303 (FOOT)	X5400504 (FOOT)	54001001 (EACH)	54001002 (EACH)	54001003 (EACH)	54248510 (CU YD)	50800105 POUND	54002020 (EACH)
US 136										
CULVERT #1, STATION 149+15.36, LEFT	2'H X 2'W	1		9.0	1			0.39	14.25	8
CULVERT #1, STATION 149+15.36, RIGHT	2'H X 2'W	1		8.0	1			0.39	14.25	8
CULVERT #2, STATION 158+17.07, LEFT	2.5'H X 3'W	1	6.0			1		0.51	20.51	9
CULVERT #2, STATION 158+17.07, RIGHT	2.5'H X 3'W	1	8.0			1		0.51	20.51	9
CULVERT #3, STATION 332+71.65, LEFT	2'H X 2'W	1		6.0			1	0.39	14.25	8
CULVERT #3, STATION 332+71.65, RIGHT	2'H X 2'W	1		6.0			1	0.39	14.25	8
TOTALS =		6	14.0	29.0	2	2	2	2.58	98.02	50

PIPE CULVERT SCHEDULE					
CULVERT LOCATION	PIPE CULVERTS, CLASS D, TYPE 1 15"	METAL END SECTIONS 15"	CONCRETE COLLAR	EXPANSION BOLTS, 3/4	PIPE CULVERT REMOVAL
	542D0220 (FOOT)	54215550 (EACH)	54248510 (CU YD)	54002020 (EACH)	50105220 (FOOT)
US 136, CULVERT #2					
STA. 158+18.60 TO STA. 158+78.49, LEFT	61.25	1	0.14	4	
STA. 157+86.22 TO STA. 158+15.92, RIGHT	30.00	1	0.14	4	
STA. 158+18.60 TO STA. 158+59.19, RIGHT	41.50	1	0.14	4	
STA. 157+47.20 TO STA. 157+72.5, LEFT					25.3
STA. 157+26.8 TO STA. 157+55.2, RIGHT					28.4
TOTALS =	132.75	3	0.42	12	53.7

GUARDRAIL SCHEDULE						
LOCATION				GUARDRAIL REMOVAL	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	TERMINAL MARKER - DIRECT APPLIED
				63200310 (FOOT)	63100169 (EACH)	72501000 (EACH)
US 136				115		
STA 329+74.11	TO	STA 330+70.43	LEFT			
STA 329+74.11	TO	STA 330+12.50	LEFT		1	
STA 330+12.50	(MOUNTED ON TERMINAL END)		LEFT			1
TOTALS =				115.00	1	1

MAINLINE PAVEMENT MARKING								
PAVEMENT MARKING LOCATION			DISTANCE OF RUN	LEFT PAVEMENT EDGE LINE	RIGHT PAVEMENT EDGE LINE	PAVEMENT CENTER LINE, 10' DASH - 30' SKIP	PAVEMENT CENTER LINE, EASTBOUND NO-PASSING ZONE	PAVEMENT CENTER LINE, WESTBOUND NO-PASSING ZONE
				(WHITE)	(WHITE)	(YELLOW)	(YELLOW)	(YELLOW)
				PAINT PAVEMENT MARKING - LINE 5"	PAINT PAVEMENT MARKING - LINE 5"	PAINT PAVEMENT MARKING - LINE 5"	PAINT PAVEMENT MARKING - LINE 5"	PAINT PAVEMENT MARKING - LINE 5"
			78001120	78001120	78001120	78001120	78001120	
			(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	
STA 641+55.86	TO	STA 661+89.71	2033.85	2033.85	2033.85	508.46		
STA 661+89.71	TO	STA 662+52.00	62.29	62.29		15.57		
STA 662+52.00	TO	STA 696+79.39	3427.39	3427.39	3427.39	856.85		
STATION EQUATION: STA. 696+79.39 (BACK) = STA. 125+92.90 (AHEAD)								
STA 125+92.90	TO	STA 131+68.36	575.46	575.46	575.46	143.87		
STA 131+68.36	TO	STA 131+72.43	4.07		4.07	1.02		
STA 131+72.43	TO	STA 132+28.75	56.32			14.08		
STA 132+28.75	TO	STA 132+36.11	7.36		7.36	1.84		
STA 132+36.11	TO	STA 176+50.00	4413.89	4413.89	4413.89	1103.47		
STA 176+50.00	TO	STA 213+20.00	3670.00	3670.00	3670.00	917.50	3670.0	
STA 213+20.00	TO	STA 223+45.00	1025.00	1025.00	1025.00	256.25		
STA 223+45.00	TO	STA 224+45.00	100.00	100.00		25.00		
STA 224+45.00	TO	STA 225+29.00	84.00		84.00	21.00		
STA 225+29.00	TO	STA 268+70.00	4341.00	4341.00	4341.00	1085.25		
STA 268+70.00	TO	STA 275+75.00	705.00	705.00	705.00	176.25	705.0	
STA 275+75.00	TO	STA 277+50.00	175.00	175.00	175.00		175.0	175.0
STA 277+50.00	TO	STA 278+03.00	53.00	53.00			53.0	53.0
STA 278+03.00	TO	STA 279+54.00	151.00	151.00	151.00		151.0	151.0
STA 279+54.00	TO	STA 288+15.00	861.00	861.00		215.25		861.0
STA 288+15.00	TO	STA 330+68.00	4253.00	4253.00	4253.00	1063.25		
STA 330+68.00	TO	STA 331+40.00	72.00			18.00		
STA 331+40.00	TO	STA 383+95.00	5255.00	5255.00	5255.00	1313.75		
STA 383+95.00	TO	STA 384+47.00	52.00			13.00		
STA 384+47.00	TO	STA 423+50.00	3903.00	3903.00	3903.00	975.75		
STA 423+50.00	TO	STA 426+30.00	280.00	280.00	280.00	70.00	280.0	
TOTALS =			35,560.6	35,284.9	35,165.0	8,795.4	5,034.0	1,240.0

RAISED REFLECTIVE PAVEMENT MARKERS			
LOCATION OF REFLECTORS	DISTANCE OF RUN	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER
		78300200 (EACH)	78100100 (EACH)
US 136 MAINLINE			
STA 641+55.86 TO STA 696+79.39	5523.5	69	69
STATION EQUATION: STA. 696+79.39 (BACK) = STA. 125+92.90			
STA 125+92.90 TO STA 178+72.90	5280.0	66	66
STA 178+72.90 TO STA 231+52.90	5280.0	66	66
STA 231+52.90 TO STA 284+32.90	5280.0	66	66
STA 284+32.90 TO STA 337+12.90	5280.0	66	66
STA 337+12.90 TO STA 389+92.90	5280.0	66	66
STA 389+92.90 TO STA 426+30.00	3637.1	45	45
TOTALS =		35,560.6	445

SHORT TERM PAVEMENT MARKING SCHEDULE				
PAVEMENT MARKING LOCATION	DISTANCE OF RUN	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL
		(4' DASH /40' GAP)	(4' SHLDR. DIAGONALS /100', LEFT & RIGHT)	
		70300100	70300100	70300150
		(FOOT)	(FOOT)	(SQ FT)
US 136				
STA. 641+55.86 TO STA. 426+30.00	35560.60	3556	2845	2133
TOTALS =	35560.60	3556	2845	2133
TOTALS FOLLOWING 3 APPLICATIONS =		10668	8535	

SEEDING SCHEDULE											
SEEDING LOCATIONS					SEEDING, CLASS 2	NITROGEN FERTILIZER NUTRIENT	PHOSPHOROUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	AGRICULTURAL GROUND LIMESTONE	MUCH, METHOD 2	
					25000200 (ACRE)	25000400 (POUND)	25000500 (POUND)	25000600 (POUND)	25000700 (TON)	25100115 (ACRE)	
US 136											
STA	147+25.00	TO	STA	150+50.00	LEFT	0.14	12.6	12.6	12.6	0.29	0.14
STA	147+25.00	TO	STA	150+50.00	RIGHT	0.14	12.6	12.6	12.6	0.29	0.14
STA	157+00.00	TO	STA	160+00.00	LEFT	0.13	11.7	11.7	11.7	0.27	0.13
STA	157+00.00	TO	STA	160+00.00	RIGHT	0.13	11.7	11.7	11.7	0.27	0.13
STA	329+40.00	TO	STA	330+75.00	LEFT	0.06	5.4	5.4	5.4	0.12	0.06
STA	331+75.00	TO	STA	333+75.00	LEFT	0.09	8.1	8.1	8.1	0.18	0.09
STA	331+75.00	TO	STA	333+75.00	RIGHT	0.09	8.1	8.1	8.1	0.18	0.09
TOTALS =						0.78	70	70	70	1.60	0.78

EROSION CONTROL SCHEDULE				
EROSION CONTROL MEASURES LOCATIONS		OFFSET FROM US 136 C.L.	TEMPORARY DITCH CHECKS	INLET & PIPE PROTECTION
			28000305 (FOOT)	28000500 (EACH)
US 136		(FOOT)		
STA	148+75.00	RIGHT	34.2	12
STA	149+15.00	LEFT	36.3	1
STA	149+50.00	RIGHT	33.2	12
STA	157+82.00	RIGHT	30.0	1
STA	158+17.00	LEFT	33.4	1
STA	158+63.50	RIGHT	31.0	1
STA	329+75.00	LEFT	32.0	12
STA	332+68.70	RIGHT	43.0	1
STA	332+71.50	LEFT	32.6	1
TOTALS:			36	6

BENCH MARKS

BM US 136-2:
 SET A METAL PUNCH @ GROUND LEVEL ON MORTH SIDE OF US 136 IN
 POWER POLE WITH TRANSFORMER EAST OF T.R. 2930 E @ 0.65 MILE
 STA. 150+56.2 @ 38.6' LEFT
 NAVD '88 ELEVATION: 506.260 FT

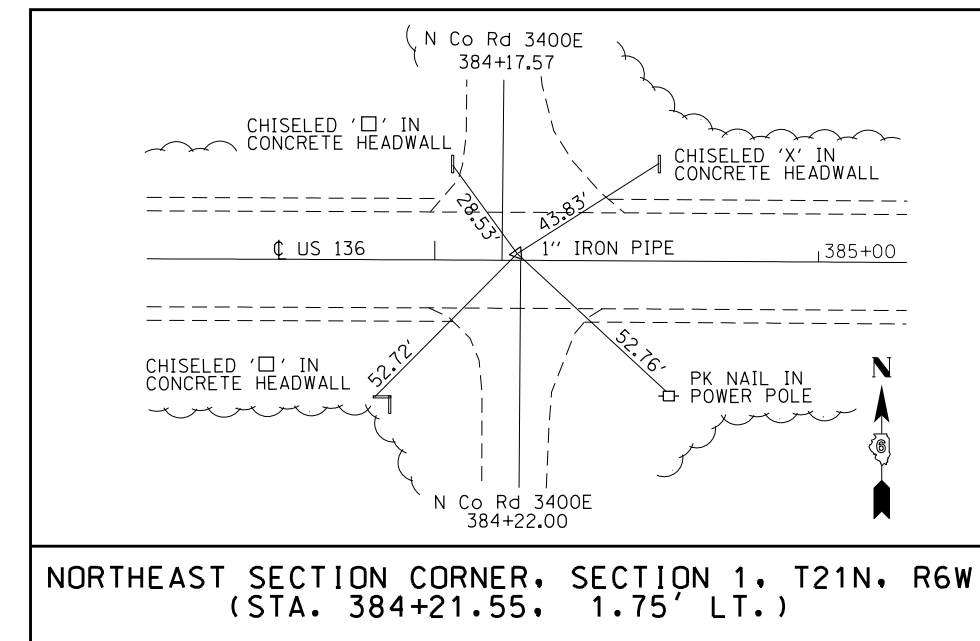
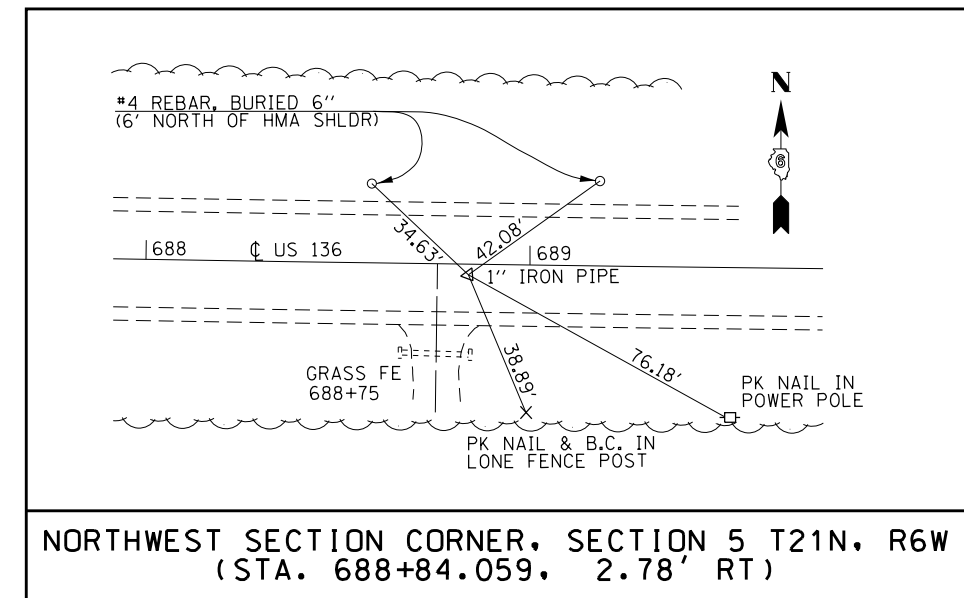
BM DA 1114:
 FOUND CHISELED ' + ' IN TOP OF EXPOSED REBAR NEAR CENTER OF CONCRETE
 HEADWALL ON SOUTH SIDE OF US 136, 0.50 MILES EAST OF T.R. 2930E.
 APPROXIMATE STA. 158+18.32, 20.0' RT
 ELEVATION: 504.183 FT

BM US 136-1:
 R.R. SPIKE SET GROUND LEVEL ON P.P. WITH TRANSFORMER ON
 NORTH SIDE OF US 136 @ MILE MARKER 15.00 MASON AND ON
 WEST SIDE OF FIELD ENTRANCE; STA. 158+45.2 39.6' LEFT
 NAVD '88 ELEVATION: 504.569 FT

BM MASON 37:
 PERMANENT SURVEY MARKER TYPE II @ STA. 330+60.3, 39.3' LEFT
 NAVD '88 ELEVATION: 510.231 FT

BM 102:
 FOUND CHISELED ' □ ' SET IN NORTHWEST ABUTMENT OF BRIDGE #063-3601
 AT ALLENS GROVE DITCH, LOCATED ON T.R. 3300E, SOUTH SIDE OF US 136.
 STA. 330+89.68, 54.8' RT.
 ELEVATION: 511.462 FT.

SECTION CORNERS



**PLACEMENT FOR PROPOSED PERMANENT
 SURVEY MARKERS, TYPE 1 (#66700205)**

**SECTION CORNERS ONLY:
 (REMOVE & REPLACE EXISTING SURVEY MARKERS WITH
 PROPOSED PERMANENT SURVEY MARKERS)**

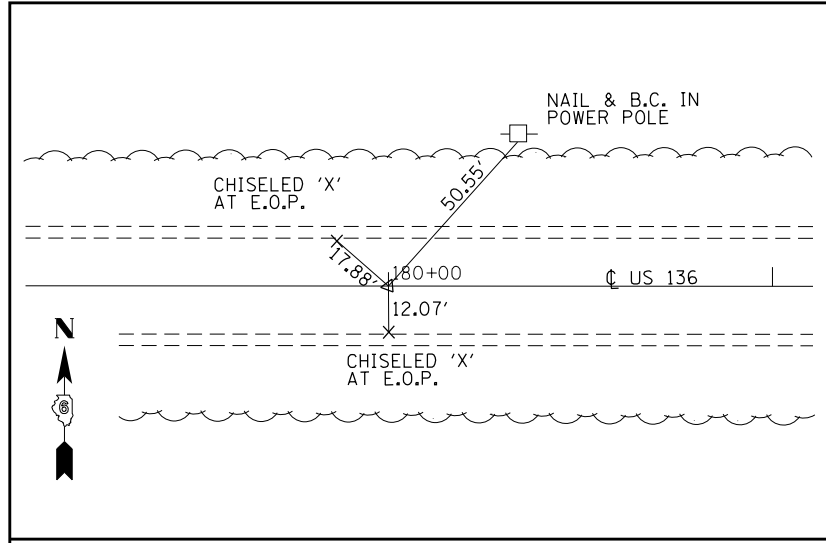
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		DATE - 12-02-16	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

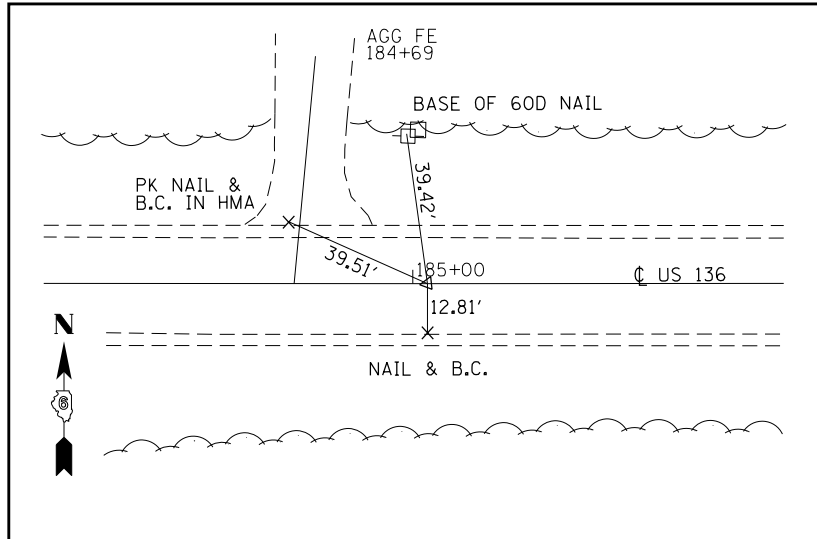
BENCH MARKS, SECTION CORNERS

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

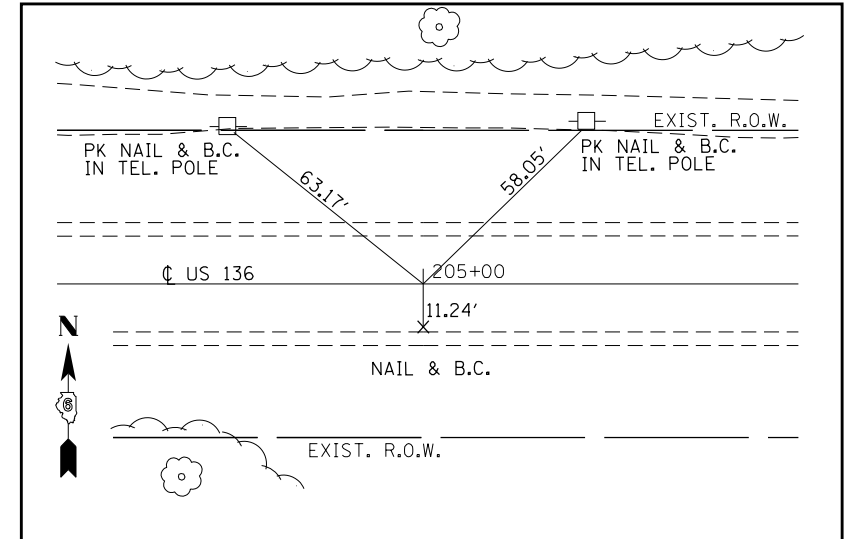
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	123RS-6	MASON	66	14
CONTRACT NO. 72B83				
ILLINOIS FED. AID PROJECT				



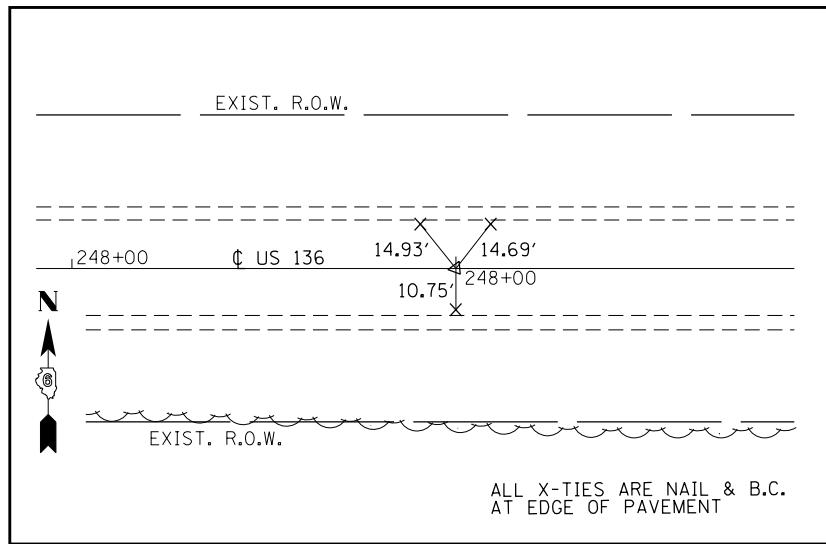
P.O.T. STA. 180+00.00
P.K. NAIL WITH CHISELED 'X'



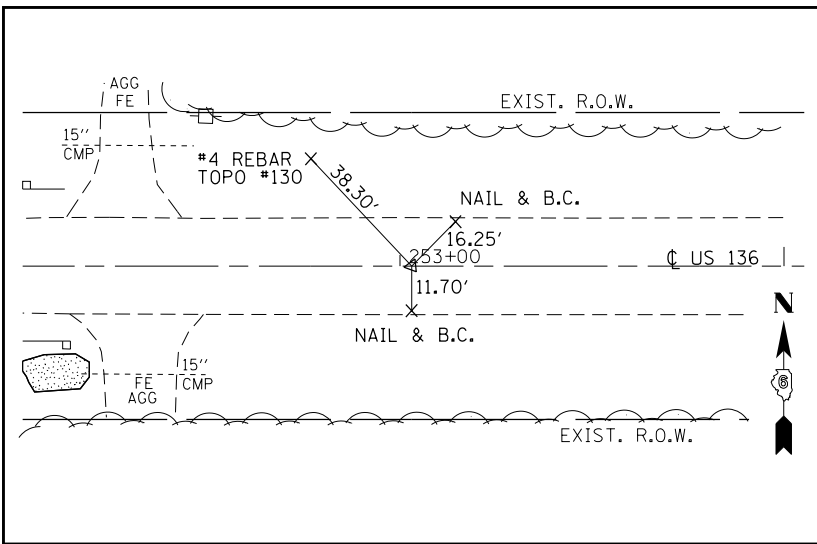
P.O.T. STA. 185+03.80
P.K. NAIL WITH CHISELED 'X'



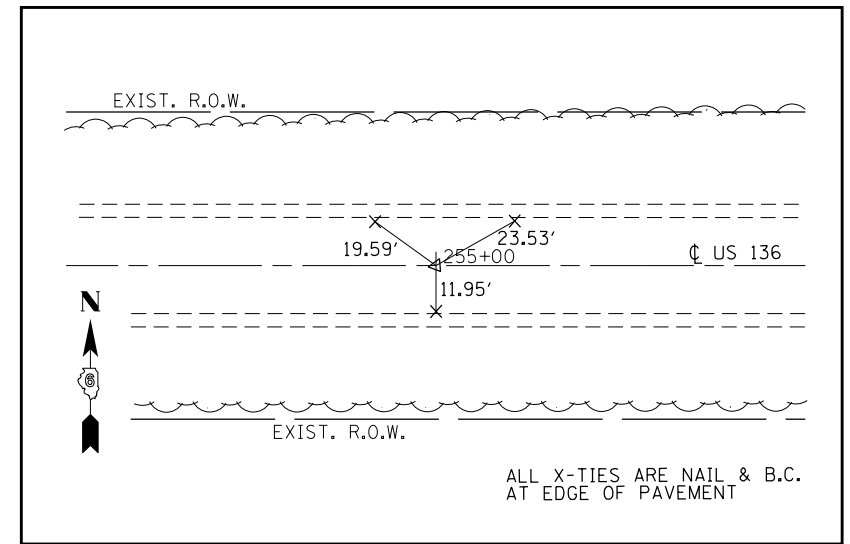
P.O.T. STA. 205+00.00
P.K. NAIL WITH CHISELED 'X'



P.O.T. STA. 248+00.00
P.K. NAIL WITH CHISELED 'X'



P.O.T. STA. 253+03.02
P.K. NAIL WITH CHISELED 'X'



P.O.T. STA. 255+00.00
P.K. NAIL WITH CHISELED 'X'

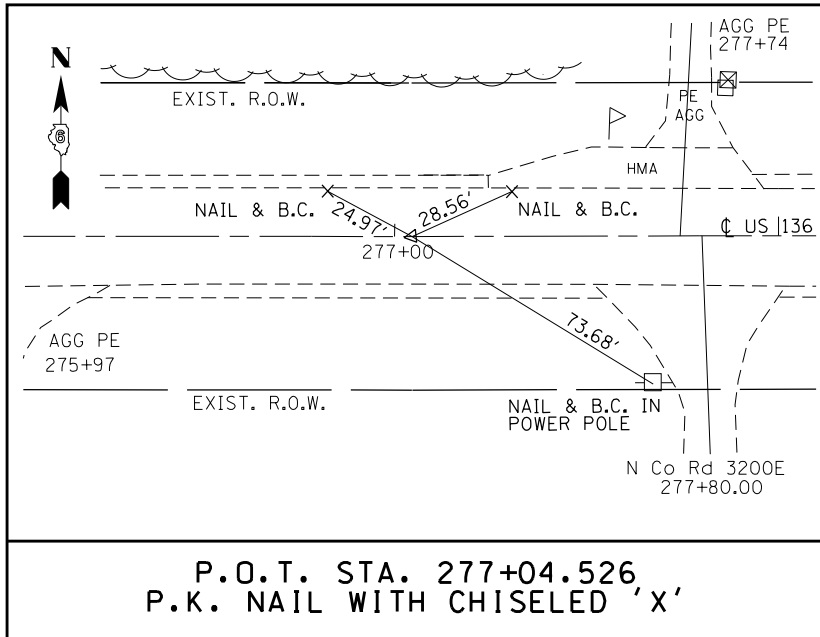
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		DATE - 12-02-16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

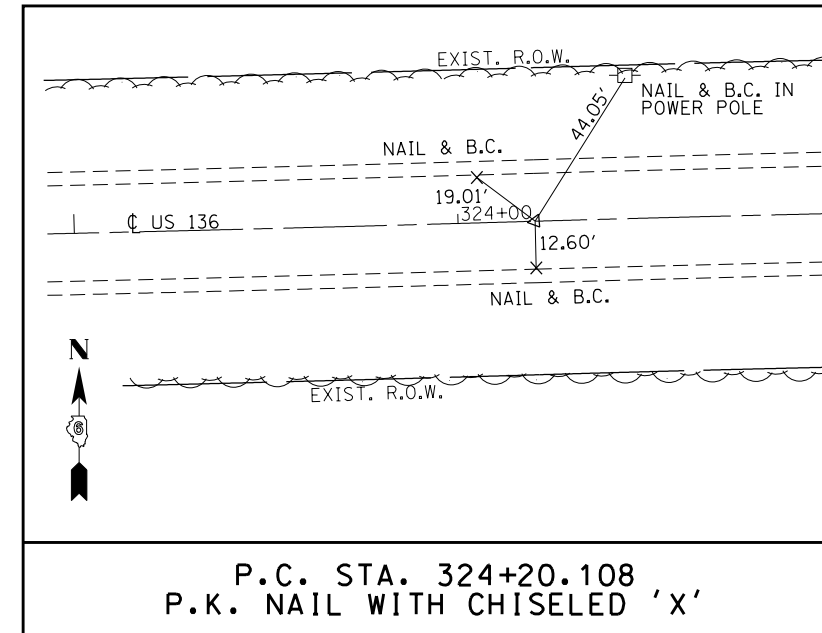
CROSS TIES FOR CENTERLINE
LAYOUT

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

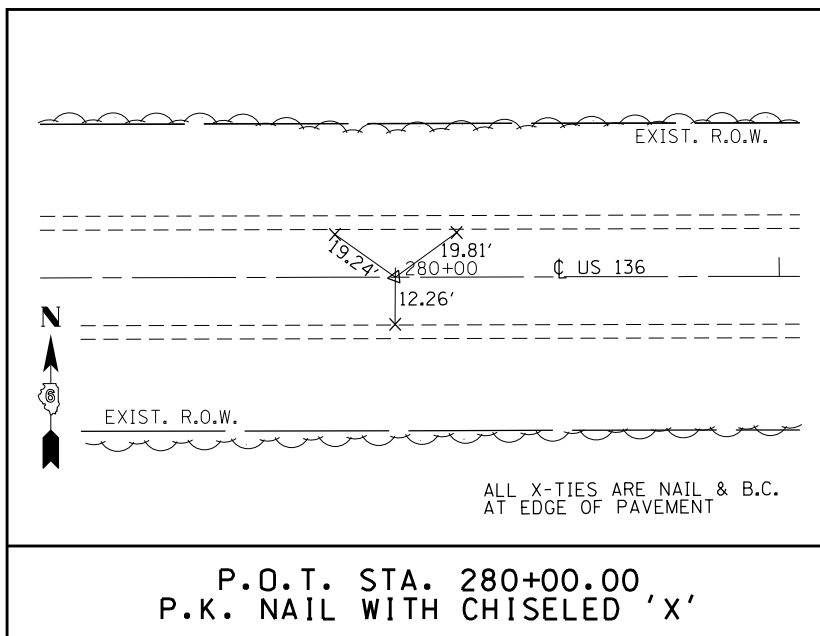
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	123RS-6	MASON	66	15
				CONTRACT NO. 72B83
ILLINOIS FED. AID PROJECT				



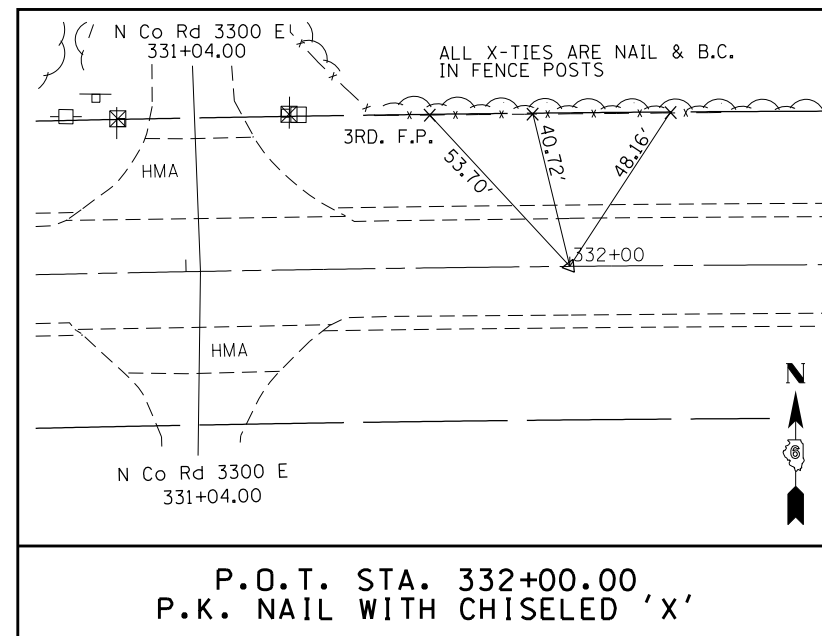
P.O.T. STA. 277+04.526
P.K. NAIL WITH CHISELED 'X'



P.C. STA. 324+20.108
P.K. NAIL WITH CHISELED 'X'



P.O.T. STA. 280+00.00
P.K. NAIL WITH CHISELED 'X'



P.O.T. STA. 332+00.00
P.K. NAIL WITH CHISELED 'X'

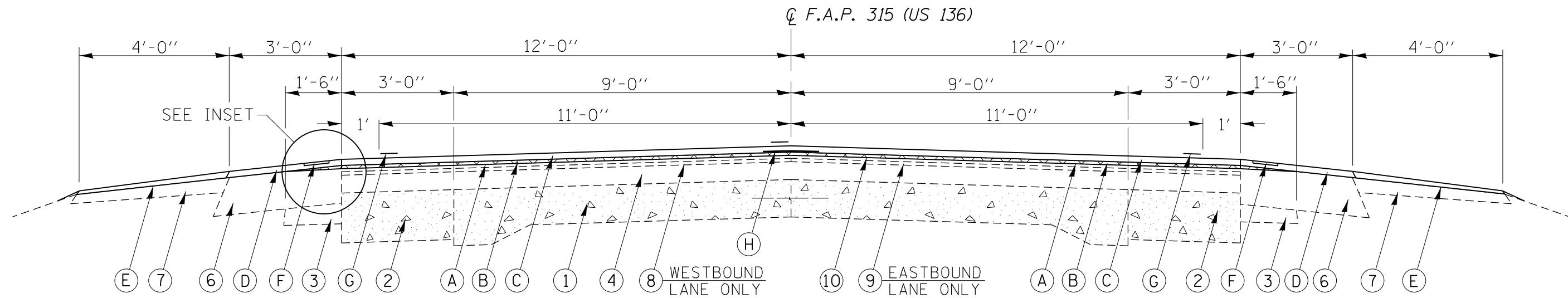
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	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
	PLOT DATE = 2/3/2017	DATE - 12-02-16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

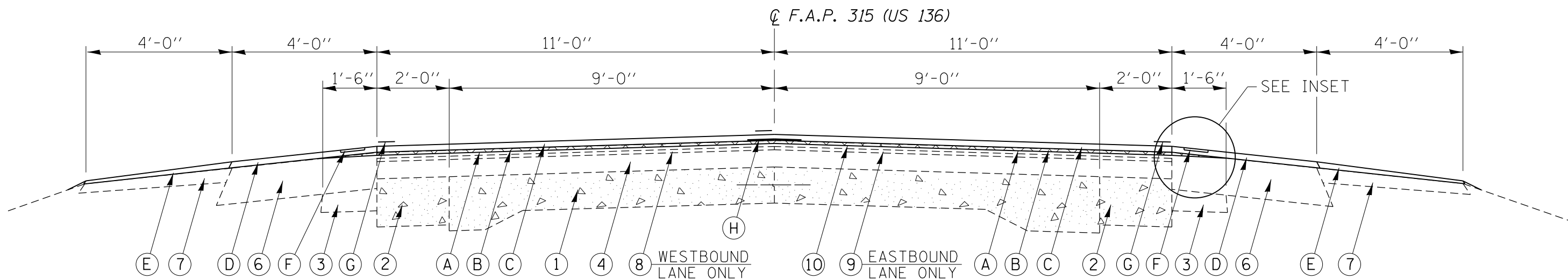
CROSS TIES FOR CENTERLINE
LAYOUT

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

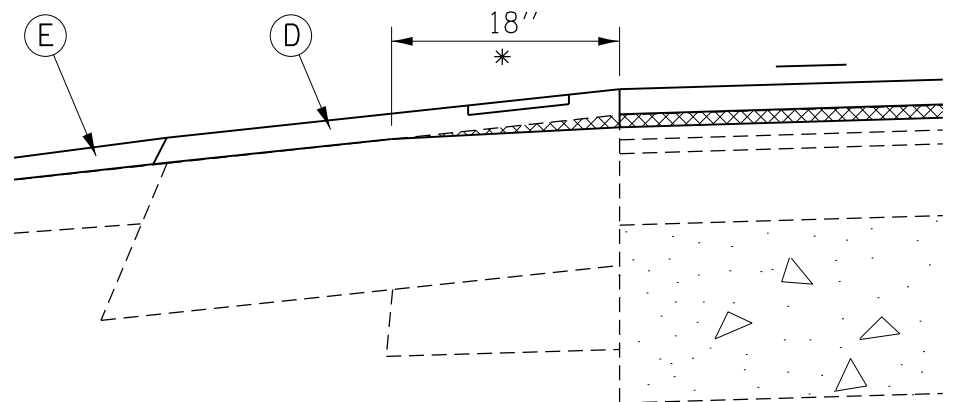
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	123RS-6	MASON	66	16
CONTRACT NO. 72B83				
ILLINOIS FED. AID PROJECT				



STA. 641+55.86 TO STA. 685+95.81



STA. 685+95.81 TO STA. 426+30.00



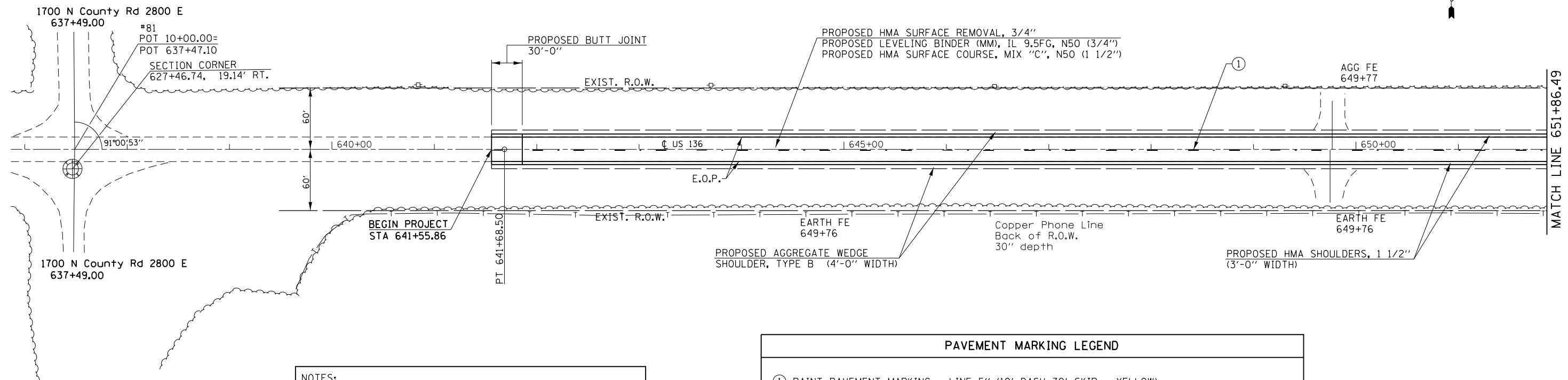
* - MILL HMA SHOULDERS 18" PAST E.O.P. OR UNTIL "DAYLIGHT" AT THE SAME CROSS SLOPE AS MAINLINE MILLING. HMA SHOULDER MILLING TO BE PAID FOR AS HMA SURFACE REMOVAL 3/4". TYPICAL FOR ALL HMA SHOULDERS.

▨ - PROPOSED HMA SURFACE REMOVAL, 3/4"

INSET

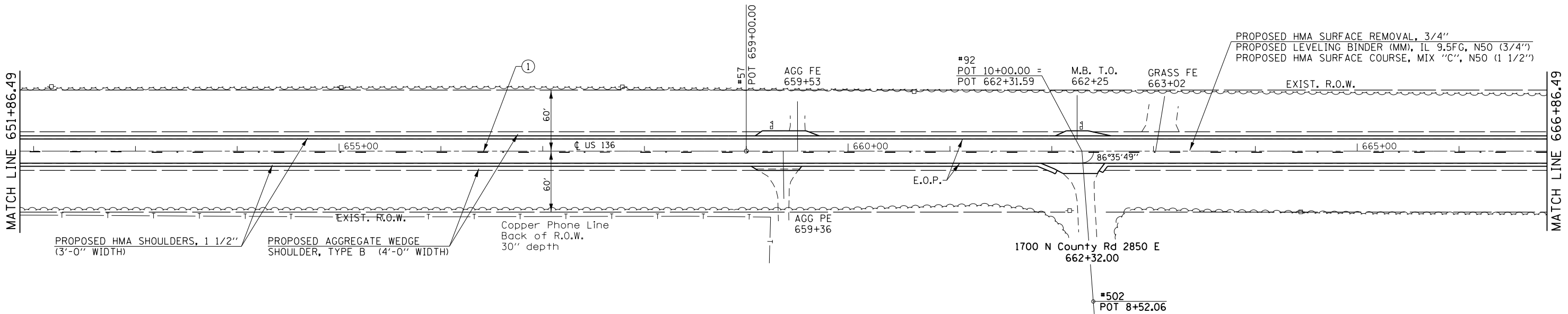
LEGEND

- ① EXISTING P.C.C. PAVEMENT, 9"-6"-9"
- ② EXISTING P.C.C. BASE COURSE WIDENING, 8"
- ③ EXISTING HMA SHOULDER, ± 3" (REMNANT FROM SECTION (123)I-1, (2014))
- ④ EXISTING HMA SURFACE COURSE, ±6 1/2"
- ⑤ EXISTING TYPE A CONCRETE GUTTER (MODIFIED)
- ⑥ EXISTING HMA SHOULDERS, 6 1/2"
- ⑦ EXISTING AGGREGATE WEDGE SHOULDER, TYPE B (AVG. DEPTH = 2")
- ⑧ EXISTING SAND ANTI FRACTURE LAYER, 3/4"
- ⑨ EXISTING LEVELING BINDER, 3/4"
- ⑩ EXISTING HMA SURFACE COURSE, 1 1/2"
- Ⓐ PROPOSED HMA SURFACE REMOVAL, 3/4"
- Ⓑ PROPOSED LEVELING BINDER (MM), IL 9.5 FG, N50 (3/4")
- Ⓒ PROPOSED HMA SURFACE COURSE, MIX "C", N50 (1 1/2")
- Ⓓ PROPOSED HMA SHOULDERS, 1 1/2"
- Ⓔ PROPOSED AGGREGATE SHOULDER WEDGE, TYPE B
- Ⓕ PROPOSED RUMBLE STRIP, 8"
- Ⓖ PROPOSED PAINT PAVEMENT MARKING - LINE 5"
- Ⓗ PROPOSED LONGITUDINAL JOINT SEALANT (18" WIDTH)



NOTES:
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PAVEMENT MARKING LEGEND	
①	PAINT PAVEMENT MARKING - LINE 5" (10' DASH 30' SKIP - YELLOW)
②	PAINT PAVEMENT MARKING - LINE 5" (SINGLE SOLID - YELLOW)
③	PAINT PAVEMENT MARKING - LINE 5" (DOUBLE SOLID @ 13" CENTERS - YELLOW)
◆	RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER, 80' CTRS.)

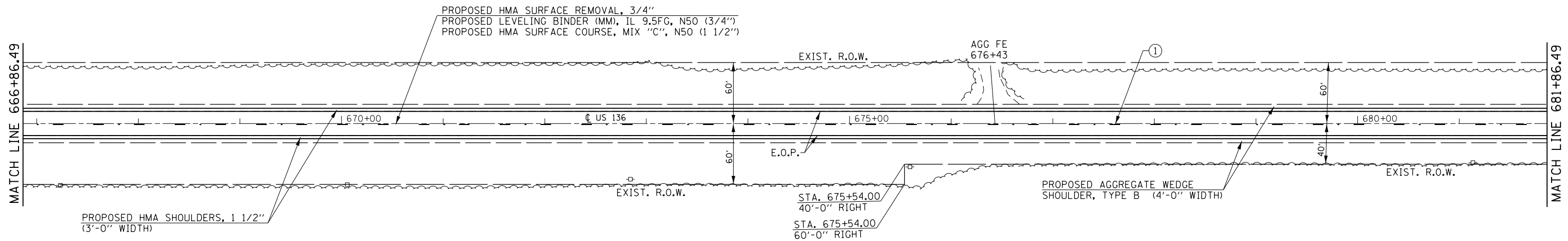


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Default	PLOT SCALE = 100.0000' / in.	DATE - 11-16-2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

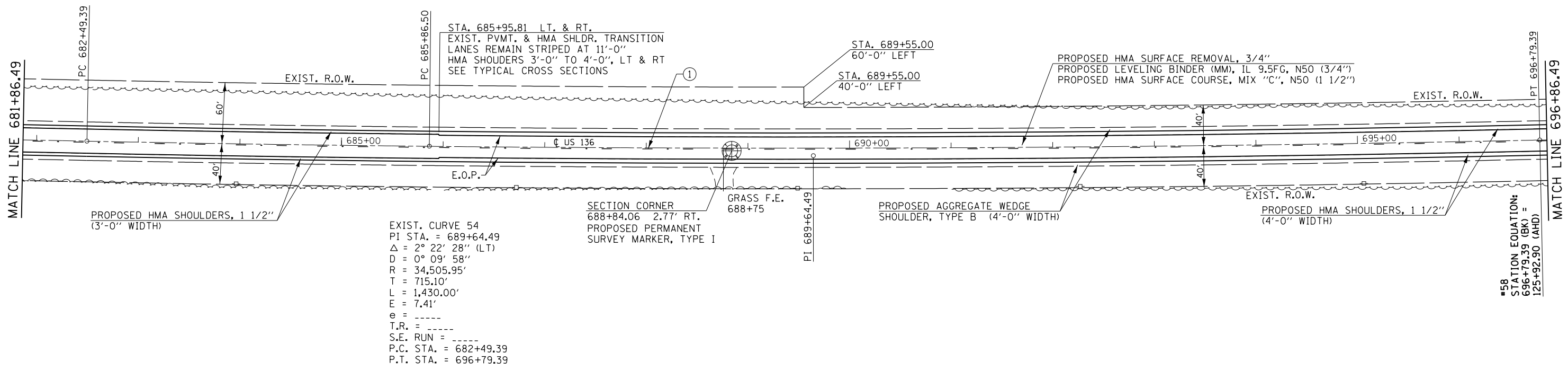
PLAN SHEET			
SCALE:	SHEET 1	OF 13 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	123RS-6	MASON	66	18
CONTRACT NO. 72B83				
ILLINOIS FED. AID PROJECT				



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PAVEMENT MARKING LEGEND	
①	PAINT PAVEMENT MARKING - LINE 5" (10' DASH 30' SKIP - YELLOW)
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③	PAINT PAVEMENT MARKING - LINE 5" (DOUBLE SOLID @ 13" CENTERS - YELLOW)
◆	RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER, 80' CTRS.)



EXIST. CURVE 54
 PI STA. = 689+64.49
 $\Delta = 2^\circ 22' 28''$ (LT)
 $D = 0^\circ 09' 58''$
 $R = 34,505.95'$
 $T = 715.10'$
 $L = 1,430.00'$
 $E = 7.41'$
 $e =$ -----
 $T.R. =$ -----
 $S.E. RUN =$ -----
 P.C. STA. = 682+49.39
 P.T. STA. = 696+79.39

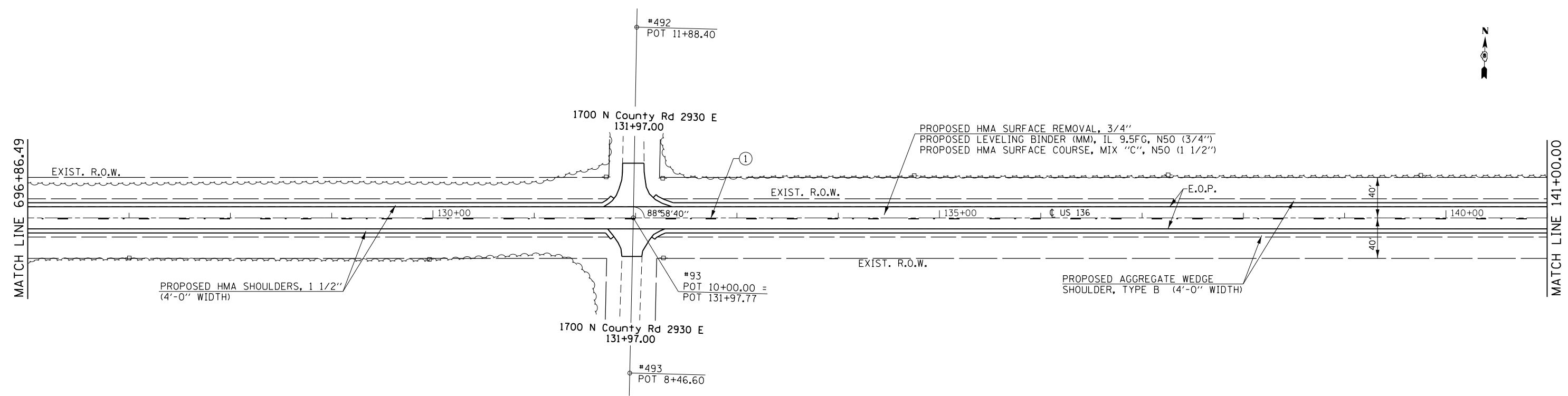
#58
 STATION EQUATION:
 696+79.39 (BK) =
 125+92.90 (AHD)

FILE NAME =	USER NAME = Verenskif	DESIGNED - RTS	REVISED -
Default	PLOT DATE = 2/3/2017	CHECKED -	REVISED -
		DATE - 11-16-2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEET			
SCALE:	SHEET 2 OF 13 SHEETS	STA.	TO STA.

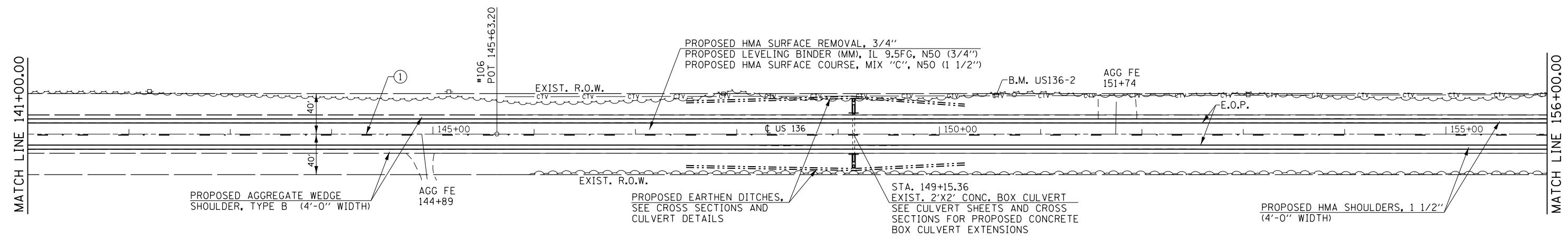
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	123RS-6	MASON	66	19
CONTRACT NO. 72B83				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND	
①	PAINT PAVEMENT MARKING - LINE 5'' (10' DASH 30' SKIP - YELLOW)
②	PAINT PAVEMENT MARKING - LINE 5'' (SINGLE SOLID - YELLOW)
③	PAINT PAVEMENT MARKING - LINE 5'' (DOUBLE SOLID @ 13'' CENTERS - YELLOW)
◆	RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER, 80' CTRS.)

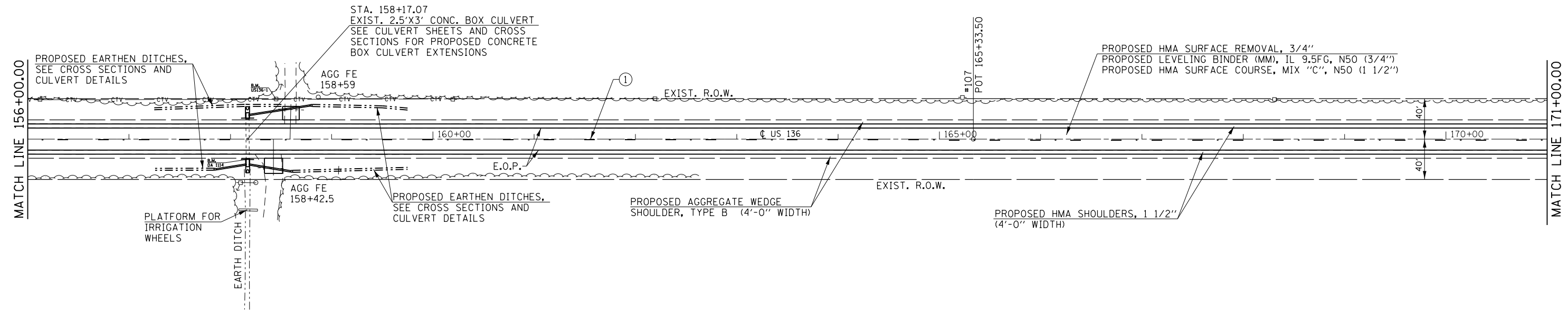
NOTES:
THE PROPOSED EDGE OF PAVEMENT STRIPES ARE NOT SHOWN ON THIS PLAN SHEET. SEE SCHEDULES FOR E.O.P. STRIPING AND OTHER PAVEMENT MARKING LOCATIONS.
SEE SIDEROAD AND ENTRANCE SCHEDULES FOR THEIR PROPOSED IMPROVEMENT DETAILS.

FILE NAME =	USER NAME = Verenskifa	DESIGNED - RTS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 6\Projects\0672883\Drawings\0672883-sht-plans.dwg	DESIGNED -	REVISED -	315			123RS-6	MASON	66	20	
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 72B83				
	PLOT DATE = 2/3/2017	DATE - 11-16-2016	REVISED -	SCALE:	SHEET 3 OF 13 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



PAVEMENT MARKING LEGEND	
①	PAINT PAVEMENT MARKING - LINE 5" (10' DASH 30' SKIP - YELLOW)
②	PAINT PAVEMENT MARKING - LINE 5" (SINGLE SOLID - YELLOW)
③	PAINT PAVEMENT MARKING - LINE 5" (DOUBLE SOLID @ 13" CENTERS - YELLOW)
◆	RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER, 80' CTRS.)

NOTES:
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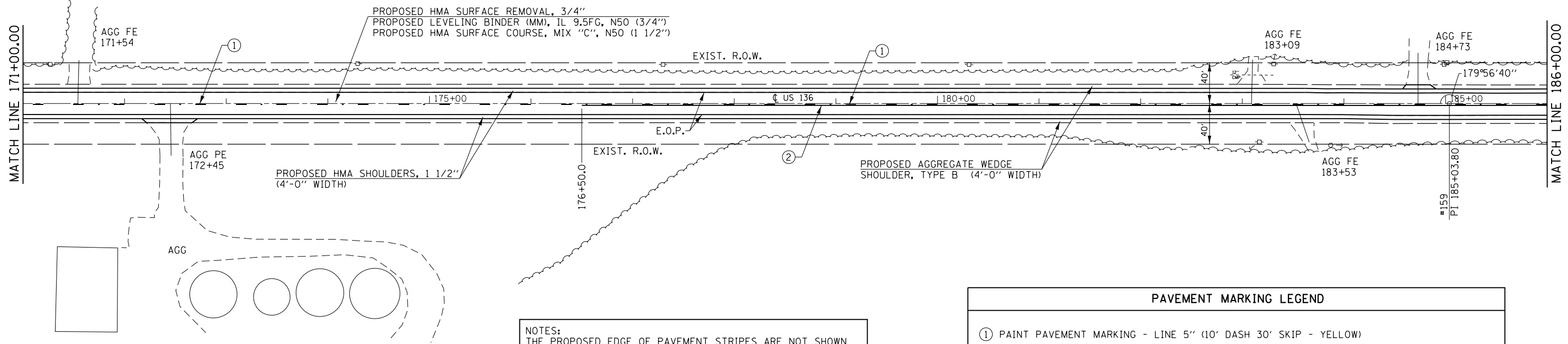


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Default	PLOT DATE = 2/3/2017	DATE - 11-16-2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

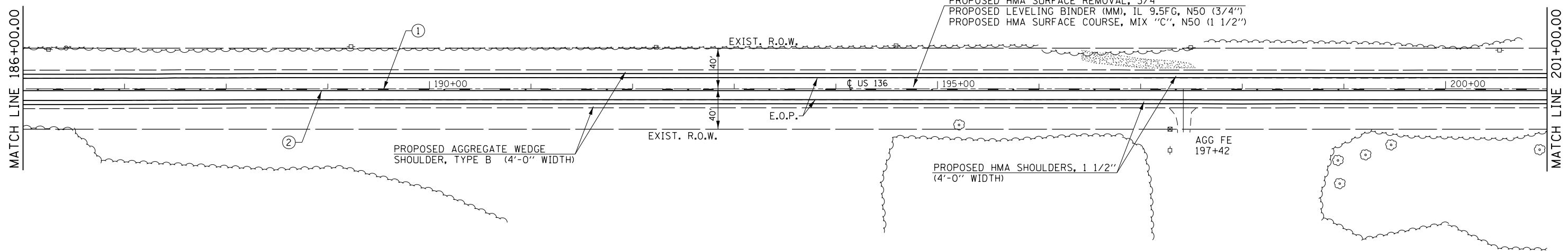
PLAN SHEET			
SCALE:	SHEET 4 OF 13 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	123RS-6	MASON	66	21
CONTRACT NO. 72B83				
ILLINOIS FED. AID PROJECT				



NOTES:
 THE PROPOSED EDGE OF PAVEMENT STRIPES ARE NOT SHOWN ON THIS PLAN SHEET. SEE SCHEDULES FOR E.O.P. STRIPING AND OTHER PAVEMENT MARKING LOCATIONS. SEE SIDEROAD AND ENTRANCE SCHEDULES FOR THEIR PROPOSED IMPROVEMENT DETAILS.

PAVEMENT MARKING LEGEND	
①	PAINT PAVEMENT MARKING - LINE 5" (10' DASH 30' SKIP - YELLOW)
②	PAINT PAVEMENT MARKING - LINE 5" (SINGLE SOLID - YELLOW)
③	PAINT PAVEMENT MARKING - LINE 5" (DOUBLE SOLID @ 13" CENTERS - YELLOW)
◆	RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER, 80' CTRS.)



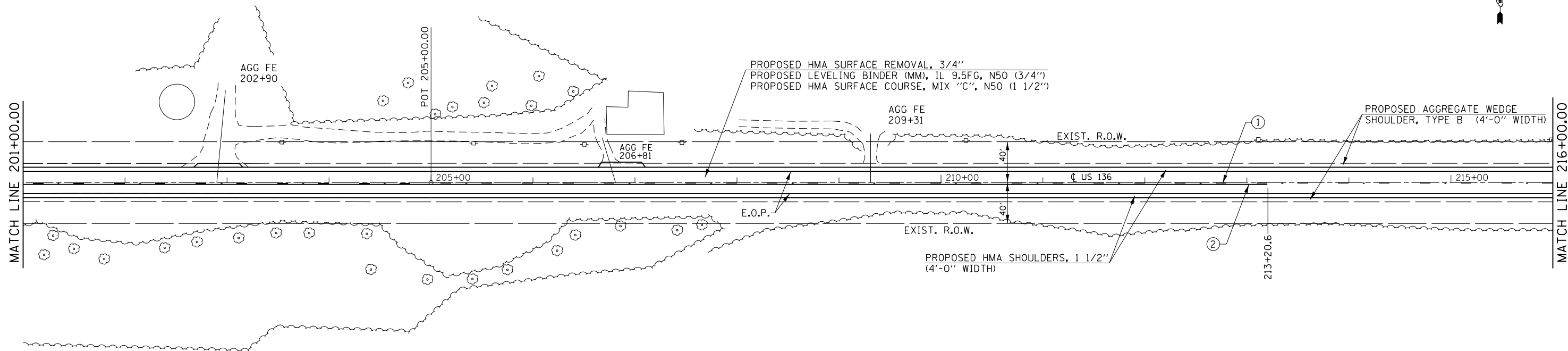
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Default	PLOT DATE = 2/3/2017	DATE - 11-16-2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

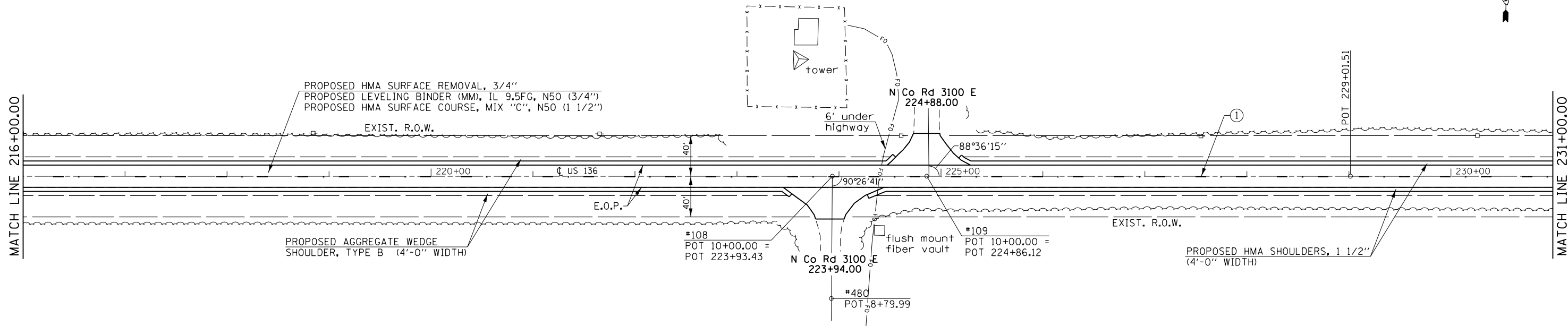
SCALE: SHEET 5 OF 13 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	123RS-6	MASON	66	22
CONTRACT NO. 72B83				
ILLINOIS FED. AID PROJECT				



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PAVEMENT MARKING LEGEND	
①	PAINT PAVEMENT MARKING - LINE 5" (10' DASH 30' SKIP - YELLOW)
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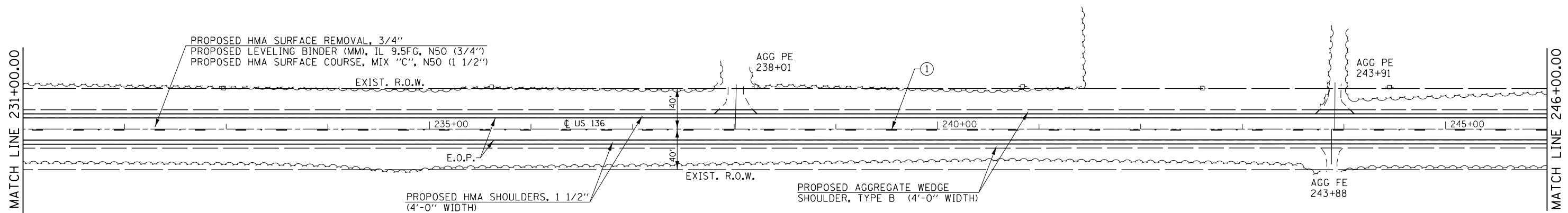
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Default	PLOT DATE = 2/3/2017	DATE - 11-16-2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

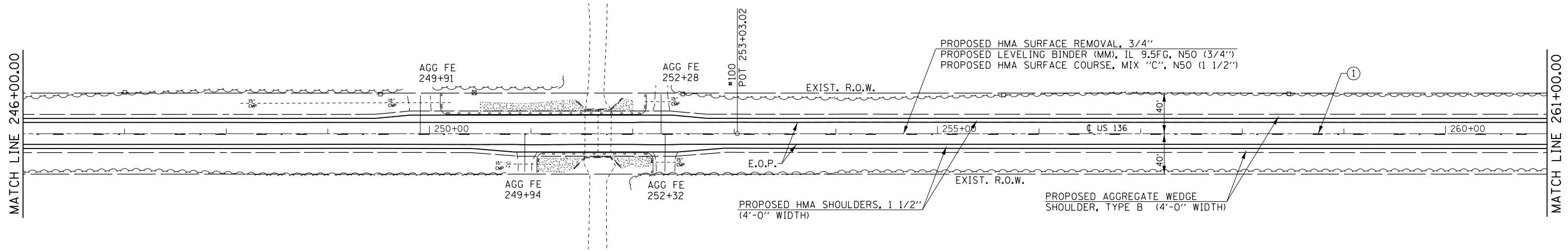
SCALE: SHEET 6 OF 13 SHEETS STA. TO STA.

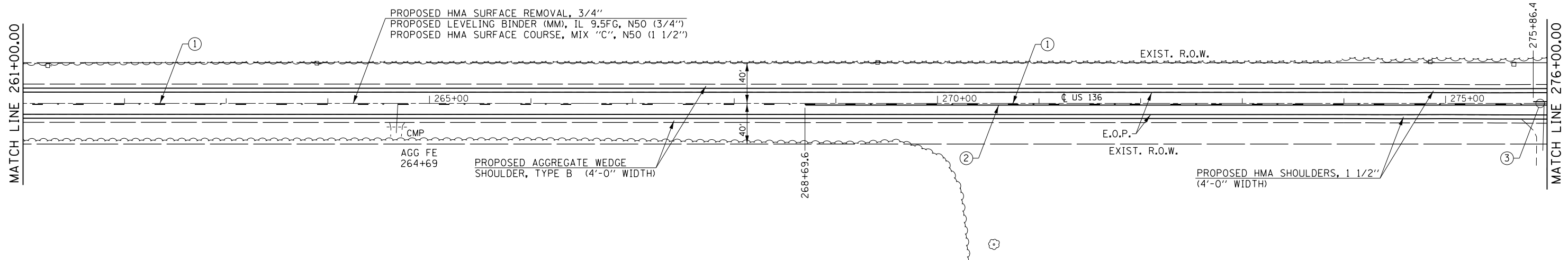
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	123RS-6	MASON	66	23
CONTRACT NO. 72B83				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND	
①	PAINT PAVEMENT MARKING - LINE 5" (10' DASH 30' SKIP - YELLOW)
②	PAINT PAVEMENT MARKING - LINE 5" (SINGLE SOLID - YELLOW)
③	PAINT PAVEMENT MARKING - LINE 5" (DOUBLE SOLID @ 13" CENTERS - YELLOW)
◆	RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER, 80' CTRS.)

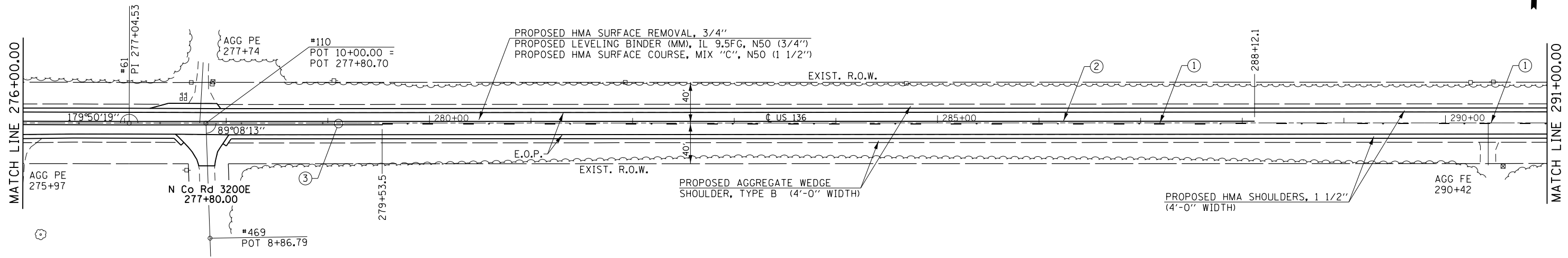
NOTES:
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◆	RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER, 80' CTRS.)

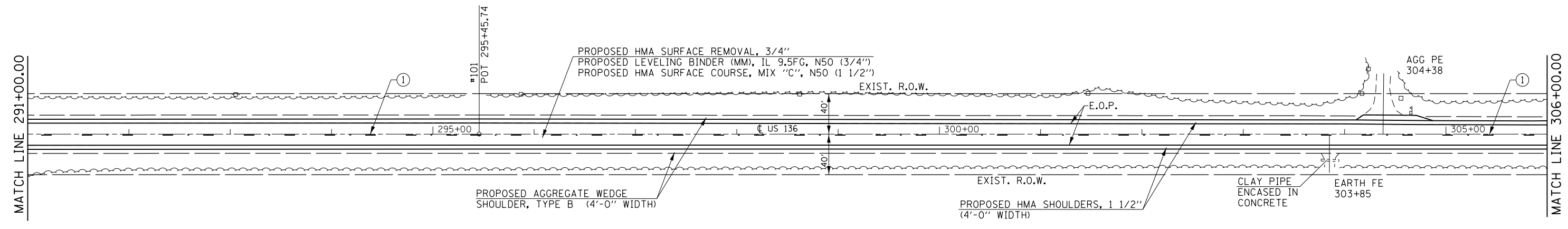


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Default		CHECKED -	REVISED -
	PLOT DATE = 2/3/2017	DATE - 11-16-2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEET			
SCALE:	SHEET 8	OF 13 SHEETS	STA. TO STA.

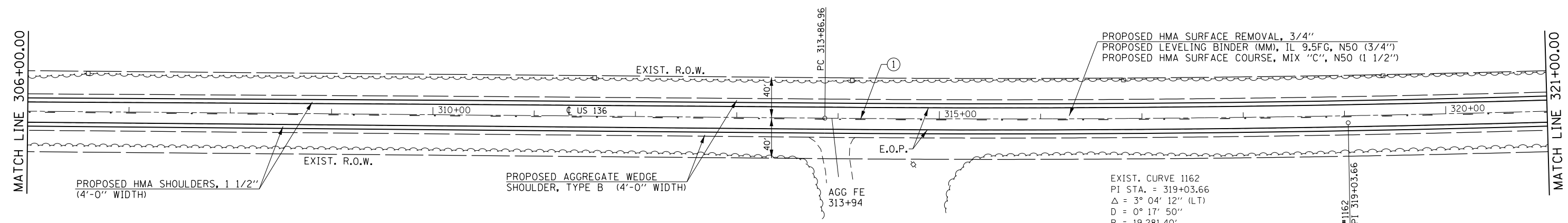
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	123RS-6	MASON	66	25
CONTRACT NO. 72B83				
ILLINOIS FED. AID PROJECT				



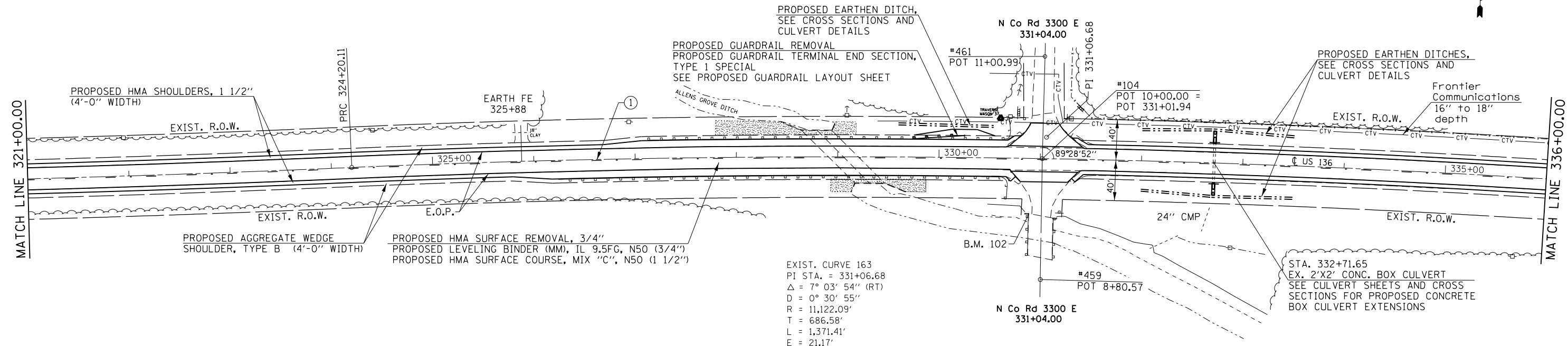
PAVEMENT MARKING LEGEND

- ① PAINT PAVEMENT MARKING - LINE 5" (10' DASH 30' SKIP - YELLOW)
- ② PAINT PAVEMENT MARKING - LINE 5" (SINGLE SOLID - YELLOW)
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- ◆ RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER, 80' CTRS.)

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FILE NAME = p:\il\084EBIDINTEG.ilinois.gov\PIWIDOT\Documents\IDOT Offices\District 6\Projects\06728883\Drawings\06728883-1-Plan\06728883-sht-plans-9.dwg	USER NAME = Verenskifa	DESIGNED - RTS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET				F.A.P. RT.E. 315	SECTION 123RS-6	COUNTY MASON	TOTAL SHEETS 66	SHEET NO. 26
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	REVISED -		SCALE:	SHEET 9 OF 13 SHEETS	STA.	TO STA.	CONTRACT NO. 72B83				
PLOT DATE = 2/3/2017	DATE - 11-16-2016	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT								



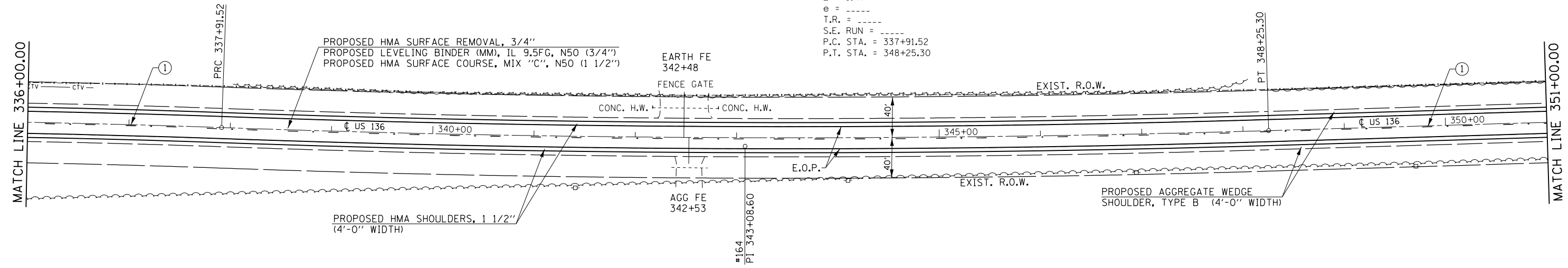
PAVEMENT MARKING LEGEND

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- ◆ RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER, 80' CTRS.)

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EXIST. CURVE 163
 PI STA. = 331+06.68
 $\Delta = 7^\circ 03' 54''$ (RT)
 $D = 0^\circ 30' 55''$
 $R = 11,122.09'$
 $T = 686.58'$
 $L = 1,371.41'$
 $E = 21.17'$
 $e = \text{----}$
 $T.R. = \text{----}$
 $S.E. \text{ RUN} = \text{----}$
 $P.C. \text{ STA.} = 324+20.11$
 $P.T. \text{ STA.} = 337+91.52$

EXIST. CURVE 164
 PI STA. = 343+08.60
 $\Delta = 3^\circ 45' 15''$ (LT)
 $D = 0^\circ 21' 47''$
 $R = 15,777.33'$
 $T = 517.08'$
 $L = 1,033.78'$
 $E = 8.47'$
 $e = \text{----}$
 $T.R. = \text{----}$
 $S.E. \text{ RUN} = \text{----}$
 $P.C. \text{ STA.} = 337+91.52$
 $P.T. \text{ STA.} = 348+25.30$



FILE NAME =	USER NAME = Verenskif	DESIGNED - RTS	REVISED -
pw:\l084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 6\Projects\06722883\BID\06722883-sh1-plans\PI\06722883-sh1-plans.dwg		CHECKED -	REVISED -
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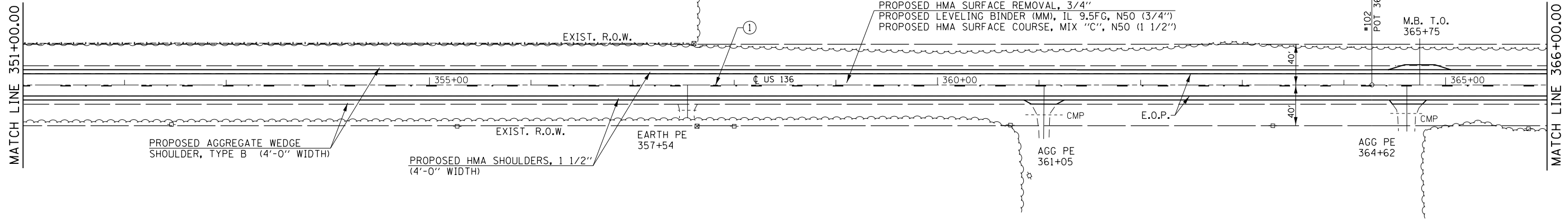
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

SCALE: SHEET 10 OF 13 SHEETS STA. TO STA.

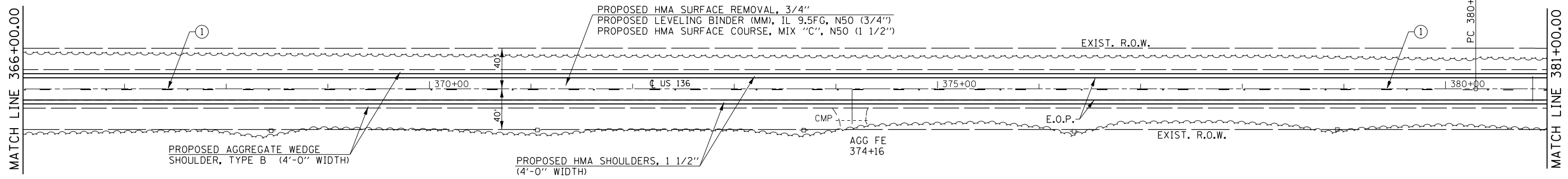
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	123RS-6	MASON	66	27

CONTRACT NO. 72B83
 ILLINOIS FED. AID PROJECT

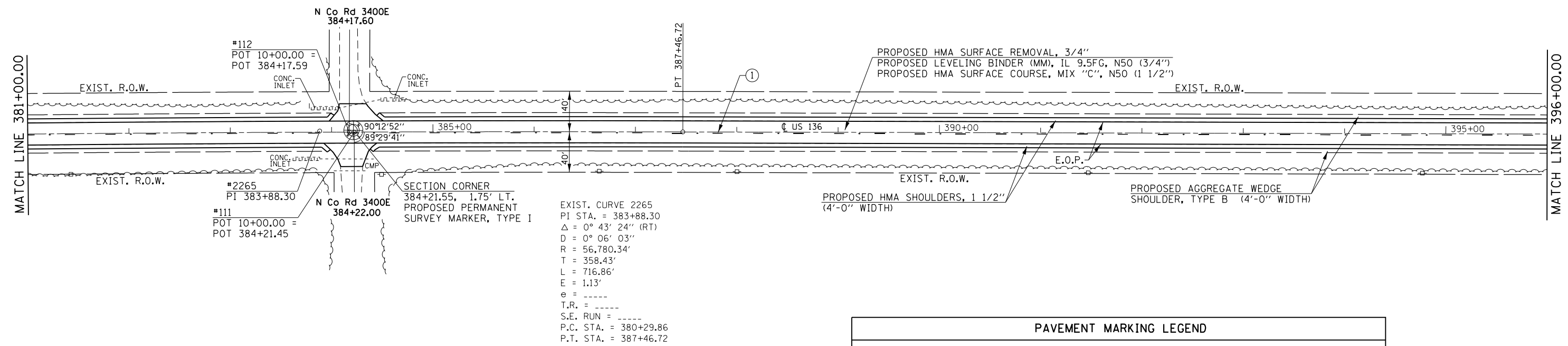


PAVEMENT MARKING LEGEND	
①	PAINT PAVEMENT MARKING - LINE 5" (10' DASH 30' SKIP - YELLOW)
②	PAINT PAVEMENT MARKING - LINE 5" (SINGLE SOLID - YELLOW)
③	PAINT PAVEMENT MARKING - LINE 5" (DOUBLE SOLID @ 13" CENTERS - YELLOW)
◆	RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER, 80' CTRS.)

NOTES:
 THE PROPOSED EDGE OF PAVEMENT STRIPES ARE NOT SHOWN ON THIS PLAN SHEET. SEE SCHEDULES FOR E.O.P. STRIPING AND OTHER PAVEMENT MARKING LOCATIONS. SEE SIDEROAD AND ENTRANCE SCHEDULES FOR THEIR PROPOSED IMPROVEMENT DETAILS.



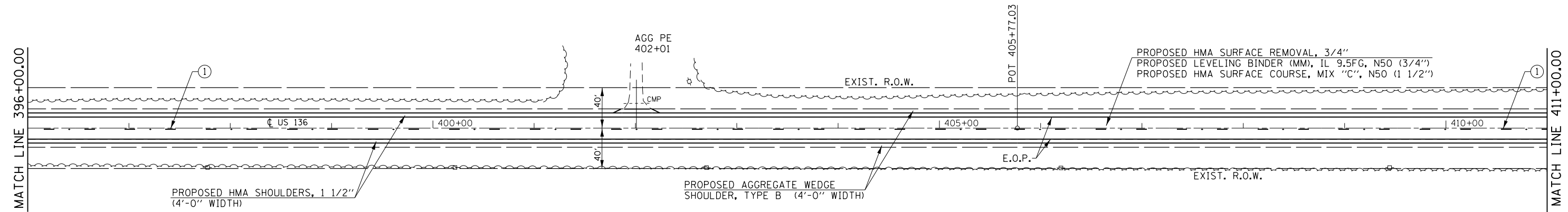
FILE NAME =	USER NAME = Verenskif	DESIGNED - RTS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PIDOT\Documents\IDOT Offices\District 6\Projects\0672883\BROWNDATA\EAD\PLANS\0672883-sht-plans.dwg		CHECKED -	REVISED -		315	123RS-6	MASON	66	28			
Default	PLOT SCALE = 100.0000' / in.	DATE - 11-16-2016	REVISED -		SCALE: SHEET 11 OF 13 SHEETS STA. TO STA.			CONTRACT NO. 72B83				
	PLOT DATE = 2/3/2017				ILLINOIS FED. AID PROJECT							



EXIST. CURVE 2265
 PI STA. = 383+88.30
 $\Delta = 0^\circ 43' 24''$ (RT)
 $D = 0^\circ 06' 03''$
 $R = 56,780.34'$
 $T = 358.43'$
 $L = 716.86'$
 $E = 1.13'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 380+29.86$
 $P.T. STA. = 387+46.72$

NOTES:
 THE PROPOSED EDGE OF PAVEMENT STRIPES ARE NOT SHOWN ON THIS PLAN SHEET. SEE SCHEDULES FOR E.O.P. STRIPING AND OTHER PAVEMENT MARKING LOCATIONS. SEE SIDEROAD AND ENTRANCE SCHEDULES FOR THEIR PROPOSED IMPROVEMENT DETAILS.

PAVEMENT MARKING LEGEND	
①	PAINT PAVEMENT MARKING - LINE 5" (10' DASH 30' SKIP - YELLOW)
②	PAINT PAVEMENT MARKING - LINE 5" (SINGLE SOLID - YELLOW)
③	PAINT PAVEMENT MARKING - LINE 5" (DOUBLE SOLID @ 13" CENTERS - YELLOW)
◆	RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER, 80' CTRS.)

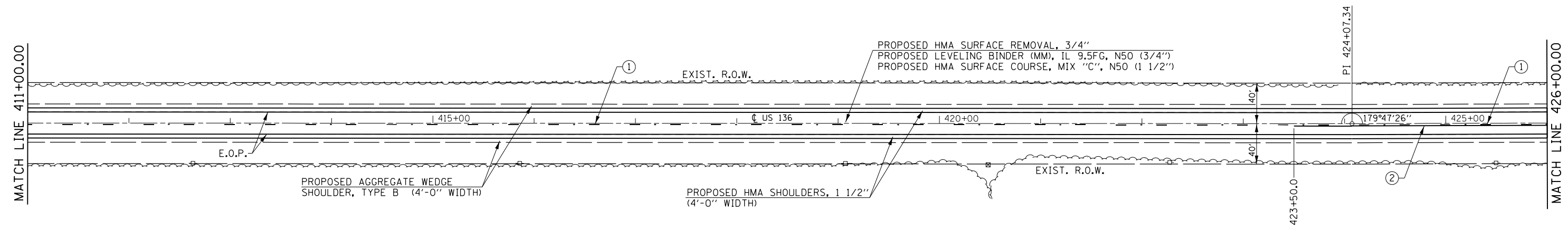


FILE NAME =	USER NAME = Verenskif	DESIGNED - RTS	REVISED -
Default		CHECKED -	REVISED -
	PLOT DATE = 2/3/2017	DATE - 11-16-2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

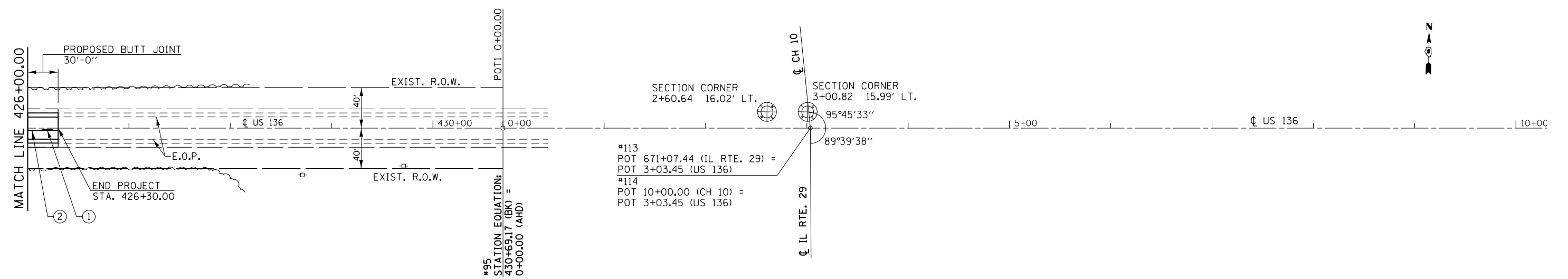
PLAN SHEET			
SCALE:	SHEET 12 OF 13 SHEETS	STA.	TO STA.

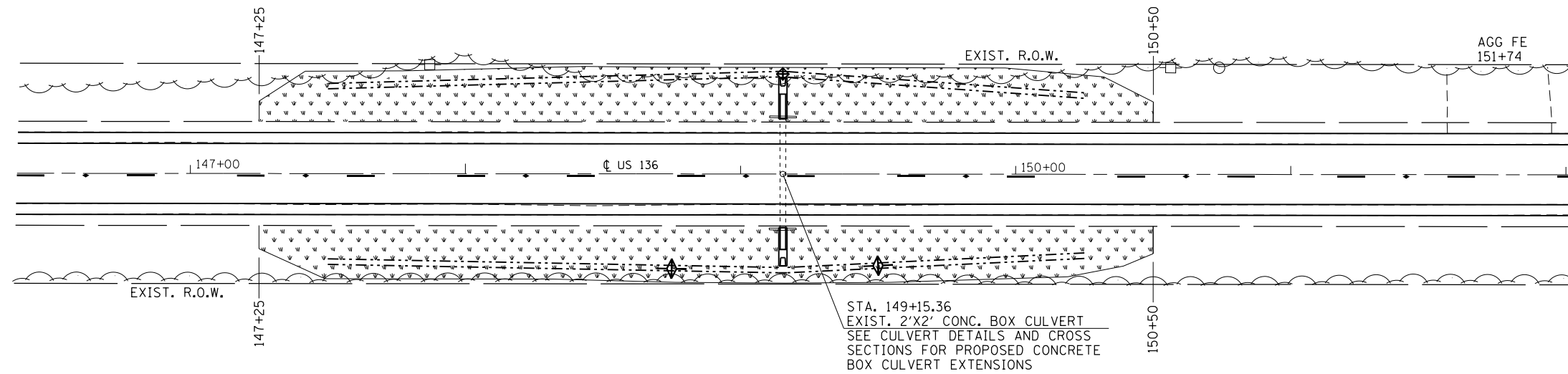
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	123RS-6	MASON	66	29
CONTRACT NO. 72B83				
ILLINOIS FED. AID PROJECT				



NOTES:
 THE PROPOSED EDGE OF PAVEMENT STRIPES ARE NOT SHOWN ON THIS PLAN SHEET. SEE SCHEDULES FOR E.O.P. STRIPING AND OTHER PAVEMENT MARKING LOCATIONS. SEE SIDEROAD AND ENTRANCE SCHEDULES FOR THEIR PROPOSED IMPROVEMENT DETAILS.





PAVEMENT MARKING LEGEND	
①	PAINT PAVEMENT MARKING - LINE 5" (10' DASH 30' SKIP - YELLOW)
②	PAINT PAVEMENT MARKING - LINE 5" (SINGLE SOLID - YELLOW)
③	PAINT PAVEMENT MARKING - LINE 5" (DOUBLE SOLID @ 13" CENTERS - YELLOW)
◆	RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER, 80' CTRS.)

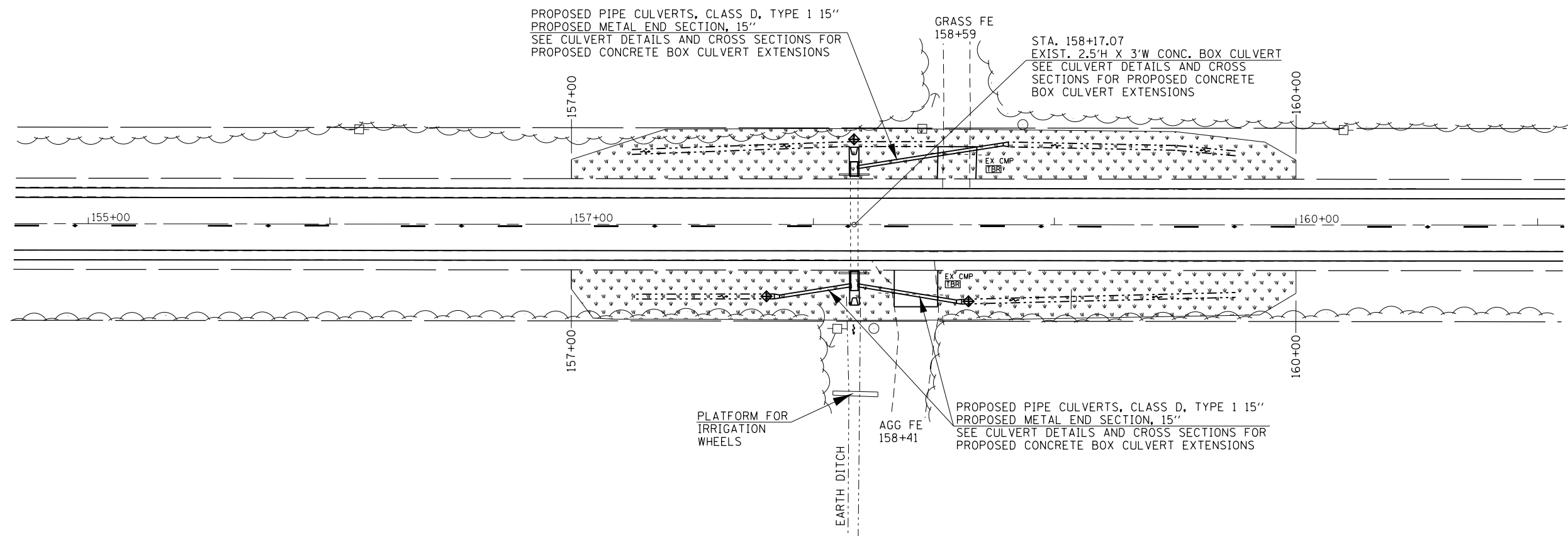




STA. 149+15.36
 EXIST. 2'X2' CONC. BOX CULVERT
 SEE CULVERT DETAILS AND CROSS
 SECTIONS FOR PROPOSED CONCRETE
 BOX CULVERT EXTENSIONS

LEGEND

-  TEMPORARY DITCH CHECK
-  INLET AND PIPE PROTECTION
-  SEEDING, CLASS 2
-  EARTHEN DITCH WITH DIRECTIONAL FLOW ARROW



PROPOSED PIPE CULVERTS, CLASS D, TYPE 1 15"
 PROPOSED METAL END SECTION, 15"
 SEE CULVERT DETAILS AND CROSS SECTIONS FOR
 PROPOSED CONCRETE BOX CULVERT EXTENSIONS

GRASS FE
 158+59

STA. 158+17.07
 EXIST. 2.5'H X 3'W CONC. BOX CULVERT
 SEE CULVERT DETAILS AND CROSS
 SECTIONS FOR PROPOSED CONCRETE
 BOX CULVERT EXTENSIONS

PLATFORM FOR
 IRRIGATION
 WHEELS

AGG FE
 158+41

PROPOSED PIPE CULVERTS, CLASS D, TYPE 1 15"
 PROPOSED METAL END SECTION, 15"
 SEE CULVERT DETAILS AND CROSS SECTIONS FOR
 PROPOSED CONCRETE BOX CULVERT EXTENSIONS

FILE NAME =	USER NAME = Verenskif	DESIGNED -	REVISED -
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 6\Projects\0672883\EROSION CONTROL MEASURES AND SEEDING PLAN\0672883-erosion control.dgn		REVISIONS	REVISIONS
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	PLOT DATE = 2/3/2017	DATE -	REVISED -

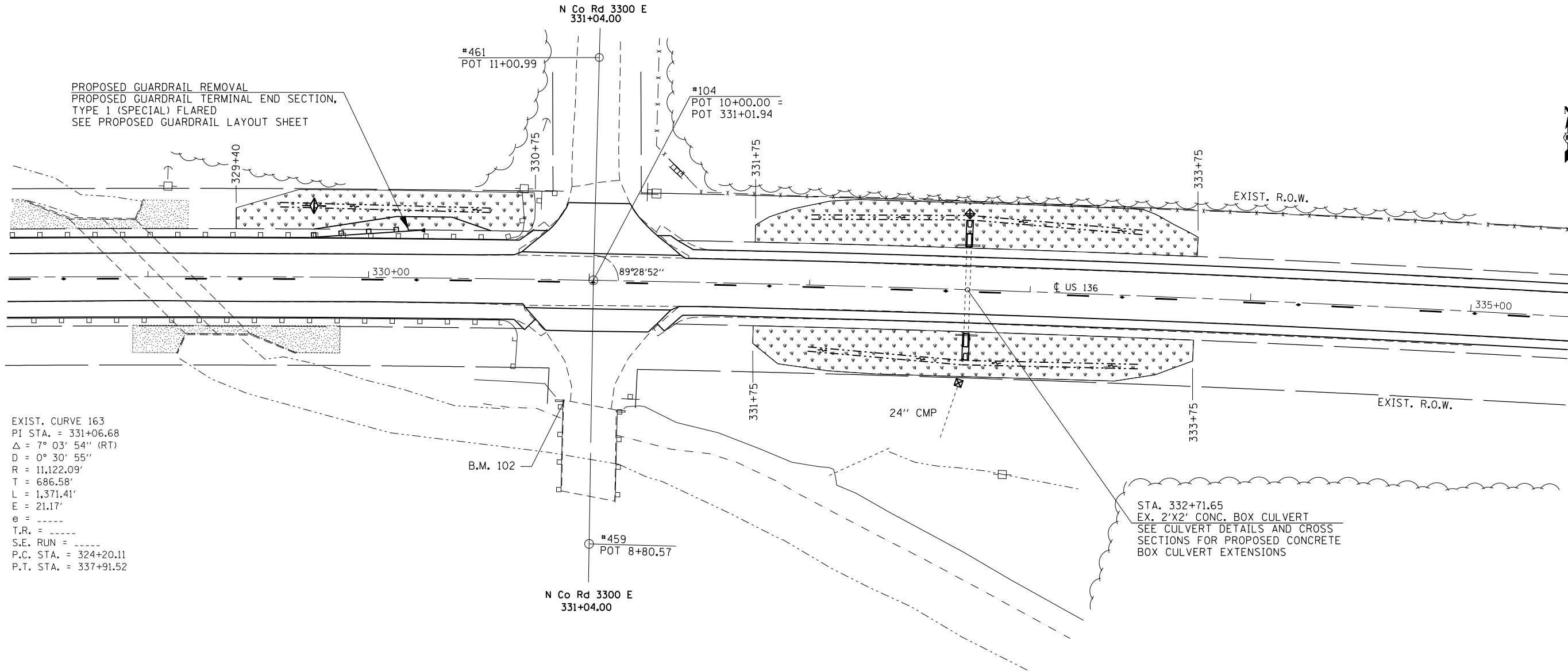
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL MEASURES
 AND SEEDING PLAN**

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	123RS-6	MASON	66	31
CONTRACT NO. 72B83				
ILLINOIS FED. AID PROJECT				

PROPOSED GUARDRAIL REMOVAL
 PROPOSED GUARDRAIL TERMINAL END SECTION,
 TYPE 1 (SPECIAL) FLARED
 SEE PROPOSED GUARDRAIL LAYOUT SHEET



EXIST. CURVE 163
 PI STA. = 331+06.68
 $\Delta = 7^\circ 03' 54''$ (RT)
 $D = 0^\circ 30' 55''$
 $R = 11,122.09'$
 $T = 686.58'$
 $L = 1,371.41'$
 $E = 21.17'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. \text{ RUN} = \text{-----}$
 P.C. STA. = 324+20.11
 P.T. STA. = 337+91.52

STA. 332+71.65
 EX. 2'X2' CONC. BOX CULVERT
 SEE CULVERT DETAILS AND CROSS
 SECTIONS FOR PROPOSED CONCRETE
 BOX CULVERT EXTENSIONS

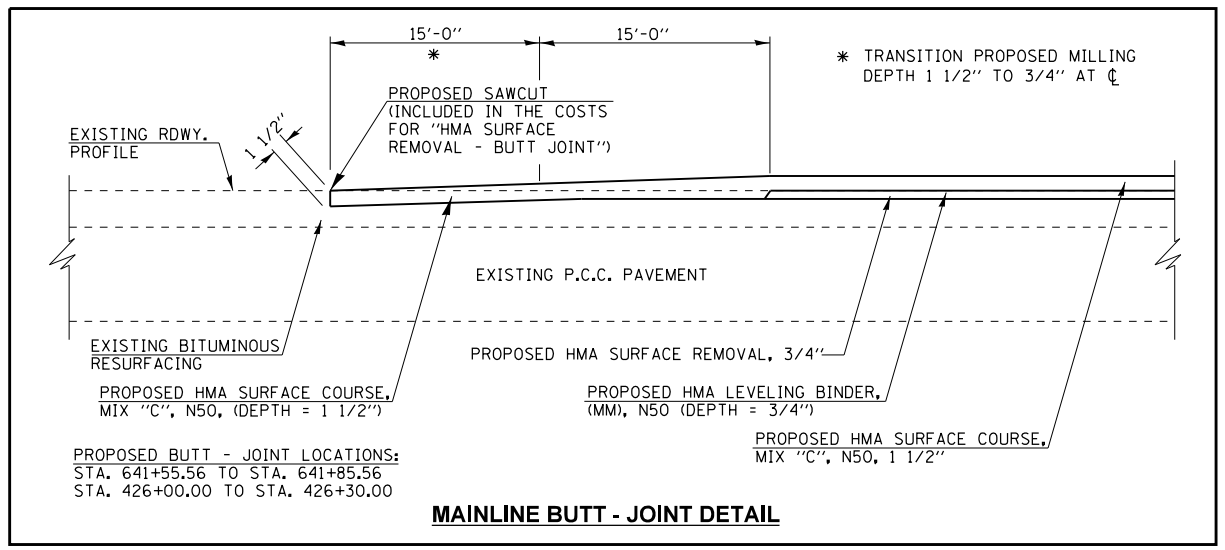
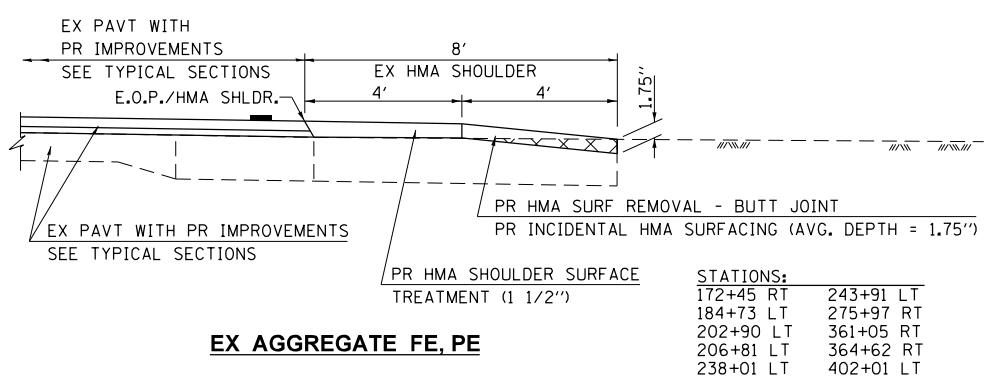
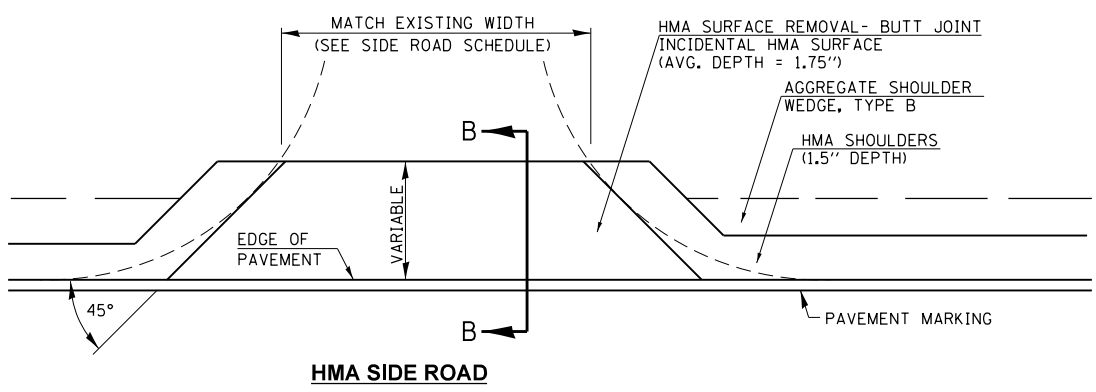
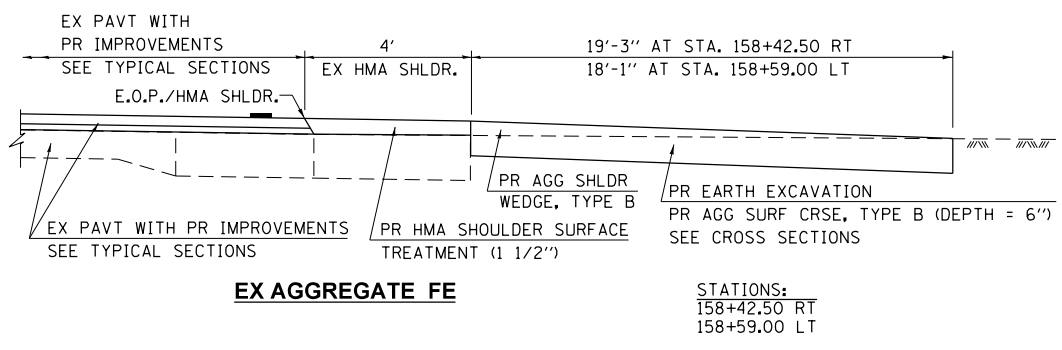
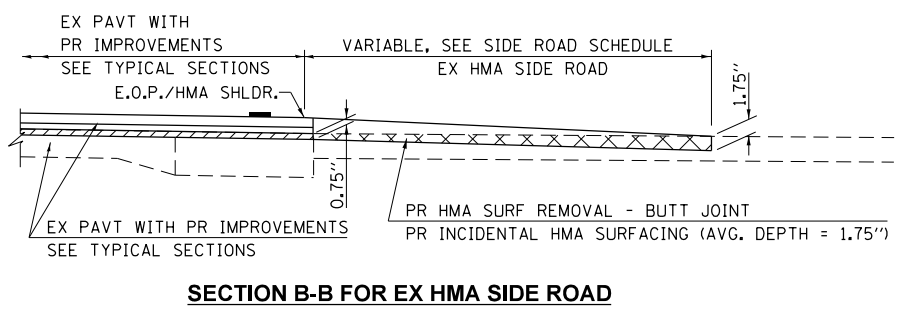
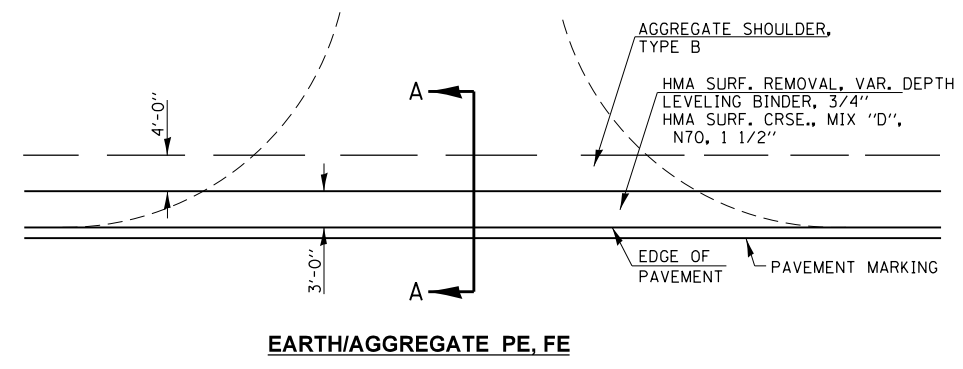
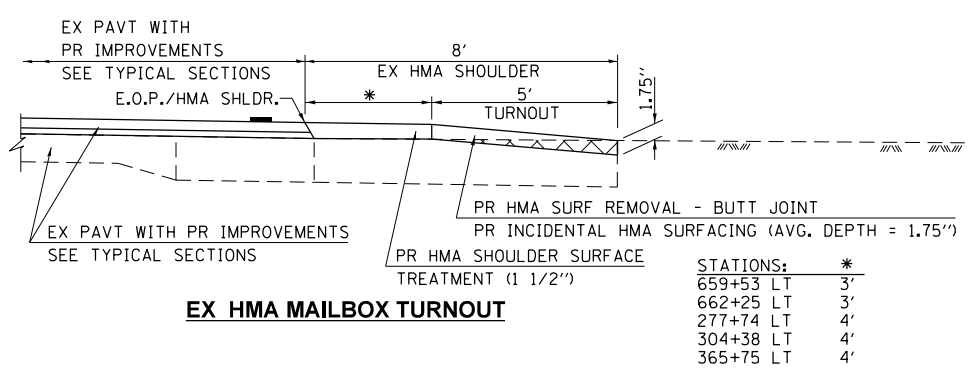
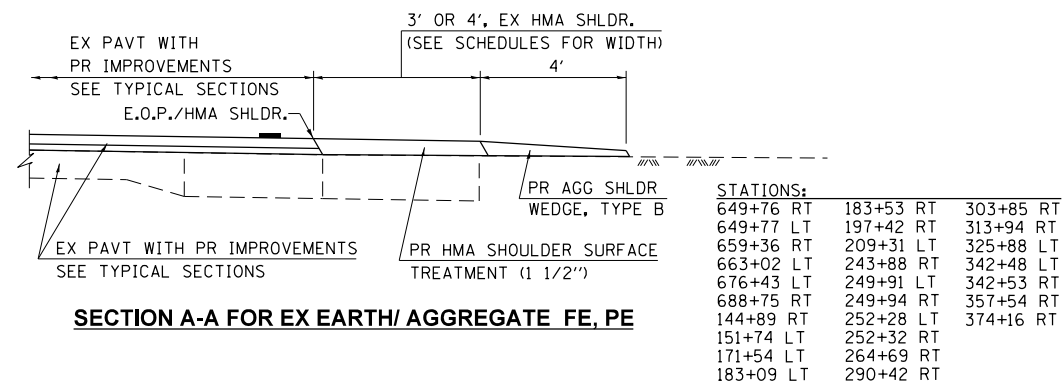
LEGEND	
	TEMPORARY DITCH CHECK
	INLET AND PIPE PROTECTION
	SEEDING, CLASS 2
	EARTHEN DITCH WITH DIRECTIONAL FLOW ARROW

FILE NAME =	USER NAME = Verenskifa	DESIGNED -	REVISED -
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Default	PLOT DATE = 2/3/2017	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL MEASURES AND SEEDING PLAN			
SCALE:	SHEET 2	OF 2 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	123RS-6	MASON	66	32
CONTRACT NO. 72B83			ILLINOIS FED. AID PROJECT	



GENERAL NOTES:
THE RESIDENT ENGINEER WILL DETERMINE THE EXACT TYPE OF IMPROVEMENT TO BE COMPLETED FOR ALL ENTRANCES, SIDEROADS AND MAILBOX TURNOUTS ON THIS PROJECT.

THE PLAN DETAILS AND SCHEDULES SHOULD BE USED AS A GUIDE FOR THE ENGINEER TO IMPLEMENT THE FINAL DESIGN. THE ENGINEER MAY DECIDE TO SALVAGE PORTIONS OF THE EXISTING ENTRANCE PAVEMENT STRUCTURE; THEREFORE, REDUCING PAY ITEM QUANTITIES. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR THIS REDUCTION IN QUANTITIES.

ANY WORK THE ENGINEER REQUIRES WHICH IS NOT COVERED BY A PAY ITEM CONTAINED IN THE PLANS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

HMA CONCRETE REQUIRED TO CONSTRUCT THE ENTRANCES SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 406 AND 408 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

THIS WORK WILL BE PAID FOR IN ACCORDANCE WITH SECTIONS 351, 358, 408, 423 AND 440 OF THE STANDARD SPECIFICATIONS.

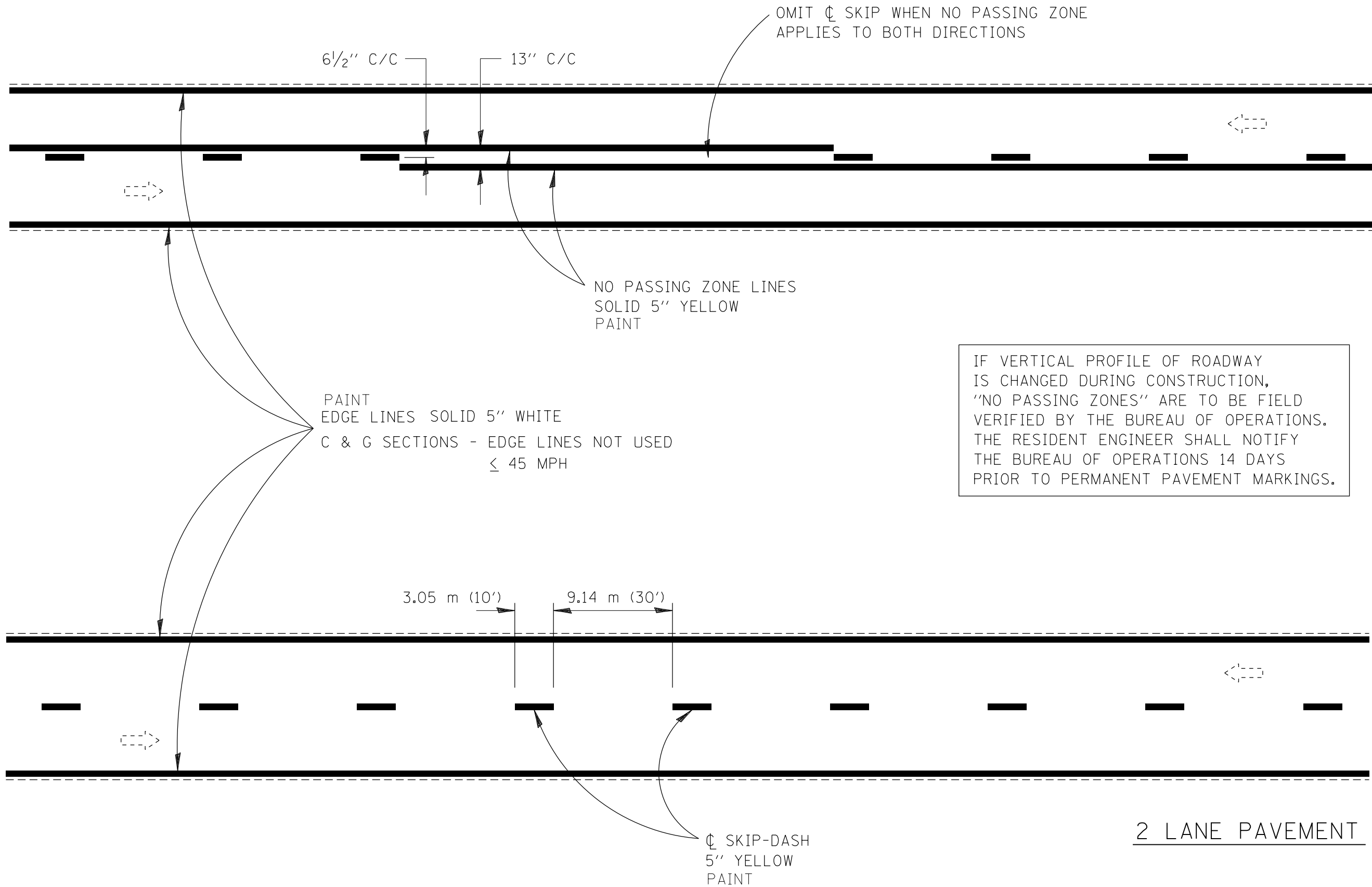
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Default	PLOT DATE = 2/3/2017	DATE - 01/30/17	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ENTRANCES, SIDEROADS,
AND BUTT -JOINT DETAILS**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

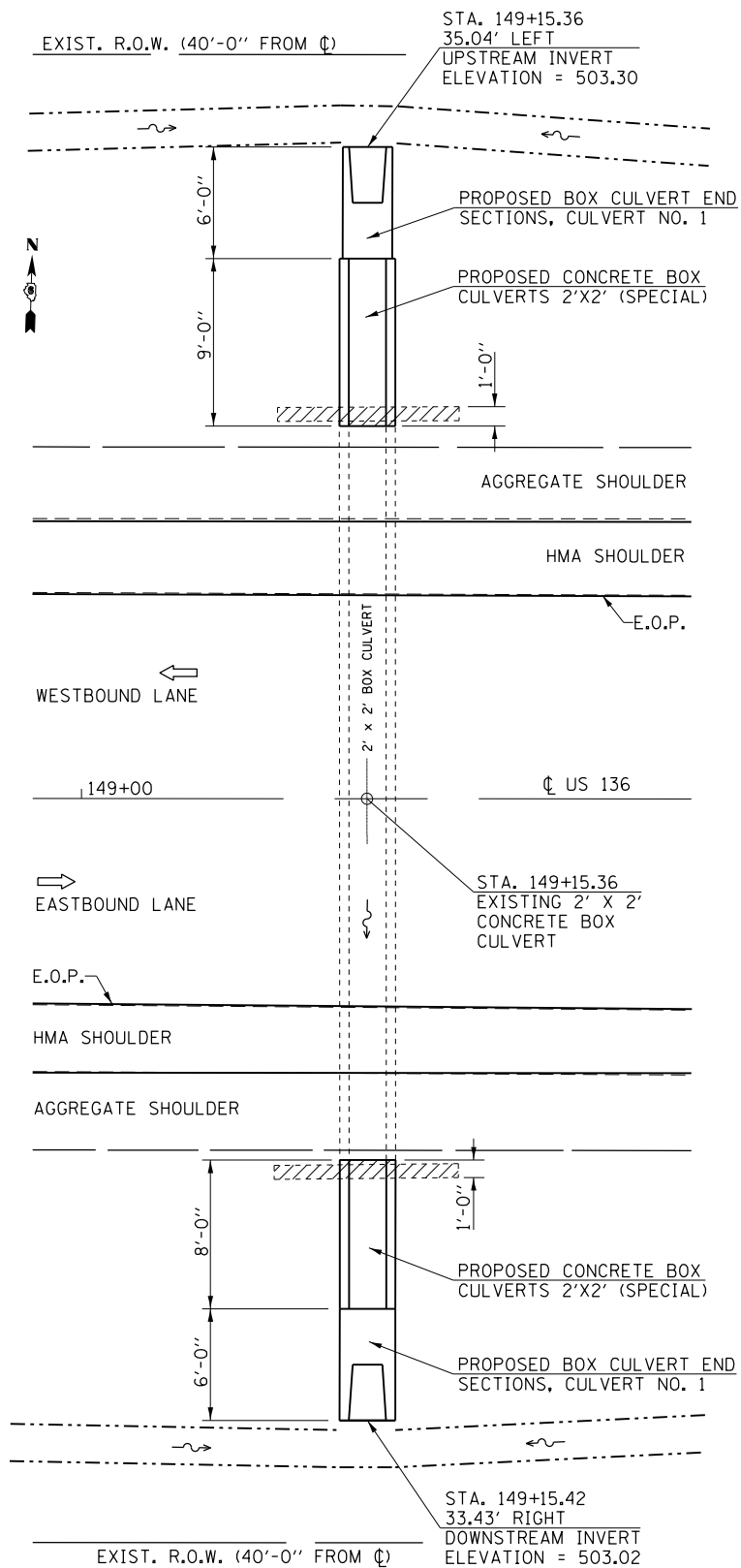
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	123RS-6	MASON	66	33
CONTRACT NO. 72B83			ILLINOIS FED. AID PROJECT	



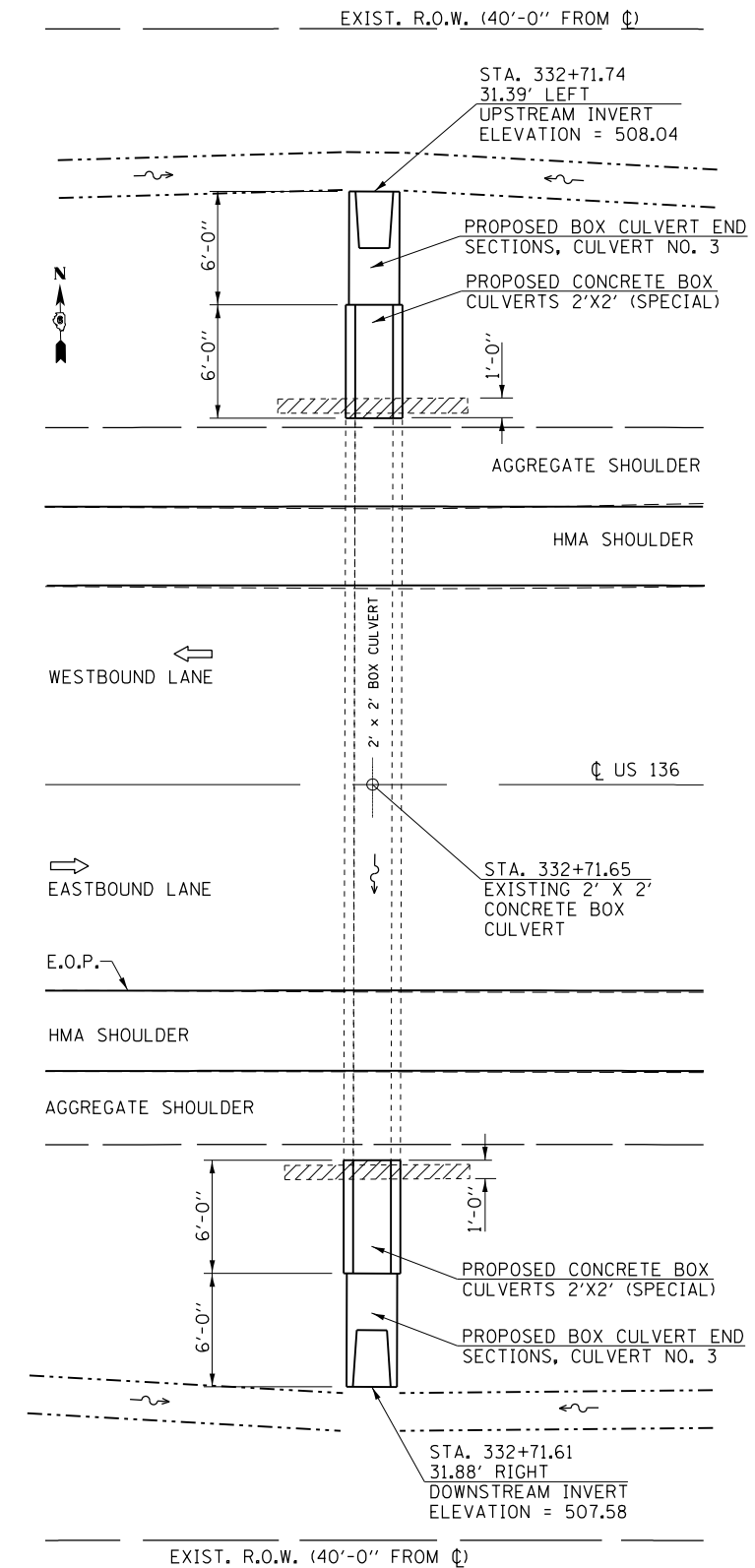
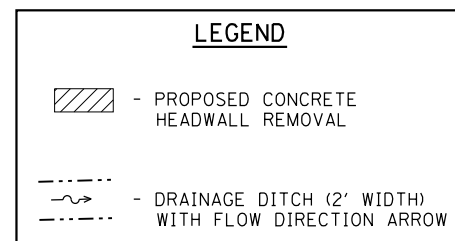
IF VERTICAL PROFILE OF ROADWAY IS CHANGED DURING CONSTRUCTION, "NO PASSING ZONES" ARE TO BE FIELD VERIFIED BY THE BUREAU OF OPERATIONS. THE RESIDENT ENGINEER SHALL NOTIFY THE BUREAU OF OPERATIONS 14 DAYS PRIOR TO PERMANENT PAVEMENT MARKINGS.

2 LANE PAVEMENT

FILE NAME =	USER NAME = Verenskifa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	D6 PAVEMENT MARKING STANDARDS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PIDOT\Documents\IDOT Offices\District 6\Projects\0672883\Drawings\0672883-sht-miscel	DESIGNED -	REVISED -	REVISED -					315	123RS-6	MASON	66	34
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 72B83			ILLINOIS FED. AID PROJECT				
	PLOT DATE = 2/3/2017	DATE -	REVISED -		SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.		



**CULVERT NO. 1 DETAILS
(PLAN VIEW)**



**CULVERT NO. 2 DETAILS
(PLAN VIEW)**

FILE NAME =	USER NAME = Verenskif	DESIGNED - RTS	REVISED -
pw\11084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 6\Projects\D672883\DATA\DOTS\672883-shr-culvert.dgn	DATE = 2/3/2017	CHECKED -	REVISED -
Default	PLOT DATE = 2/3/2017	DATE - 1-11-17	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

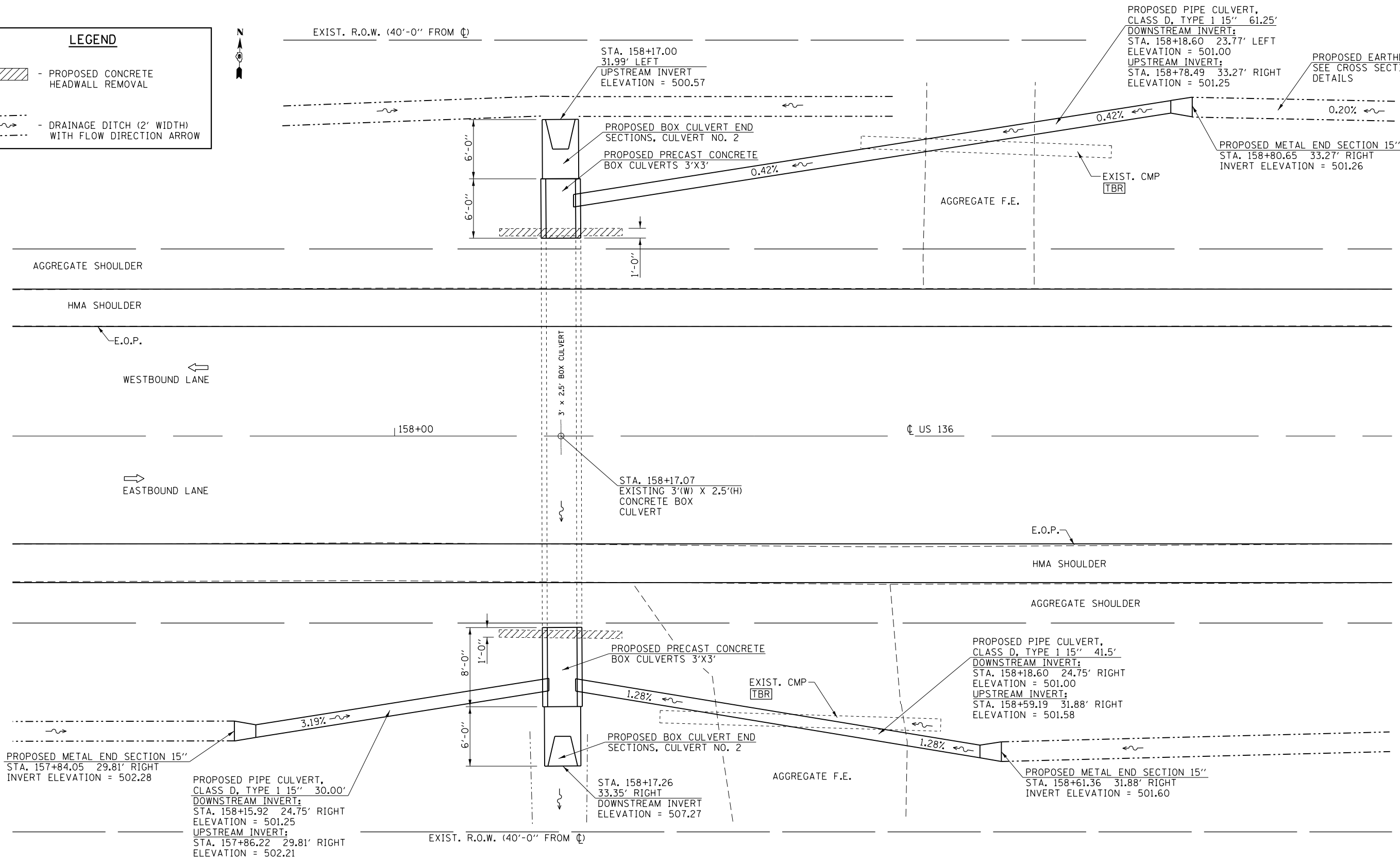
CULVERT EXTENSION LAYOUTS

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	123RS-6	MASON	66	35
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72B83	

LEGEND

- PROPOSED CONCRETE HEADWALL REMOVAL
- DRAINAGE DITCH (2' WIDTH) WITH FLOW DIRECTION ARROW



**CULVERT NO. 3 DETAILS
(PLAN VIEW)**

NOTE:
ALL PRECAST CONCRETE BOX CULVERT SEGMENTS WITH PIPE CULVERTS INTERSECTING THE SIDEWALLS SHALL BE DETAILED AS PER THE REQUIREMENTS OF ASTM C1577, EXCEPT THAT THE AS2 AND AS5 REINFORCEMENT AREAS SHALL BE INCREASED TO 0.40 SQUARE INCH PER FOOT.

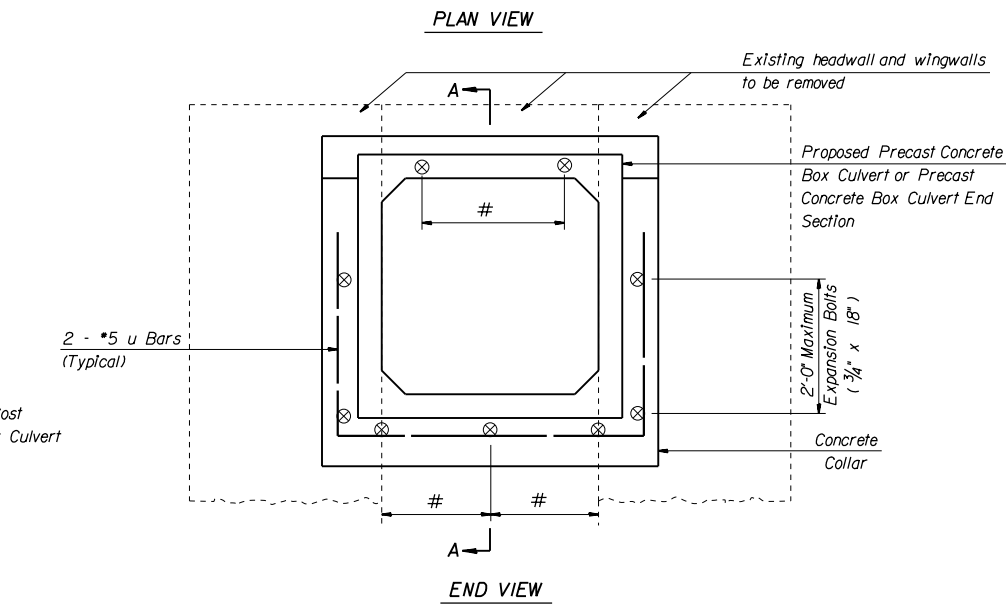
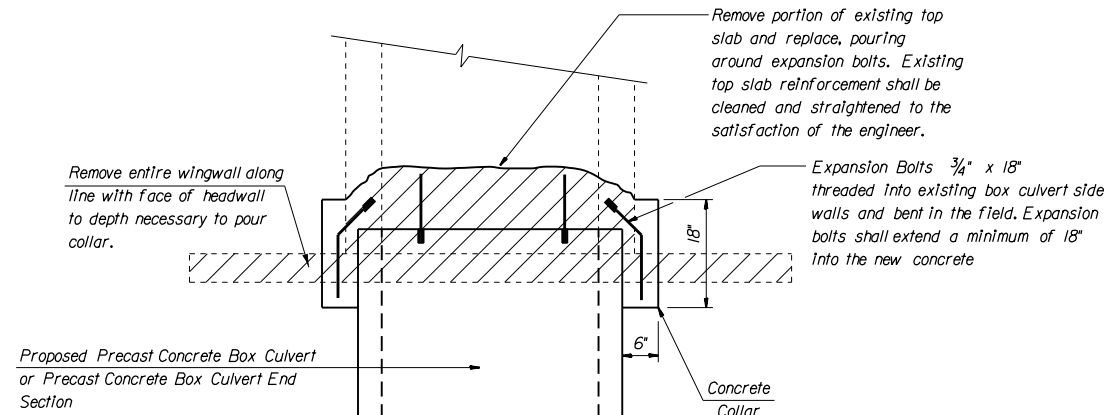
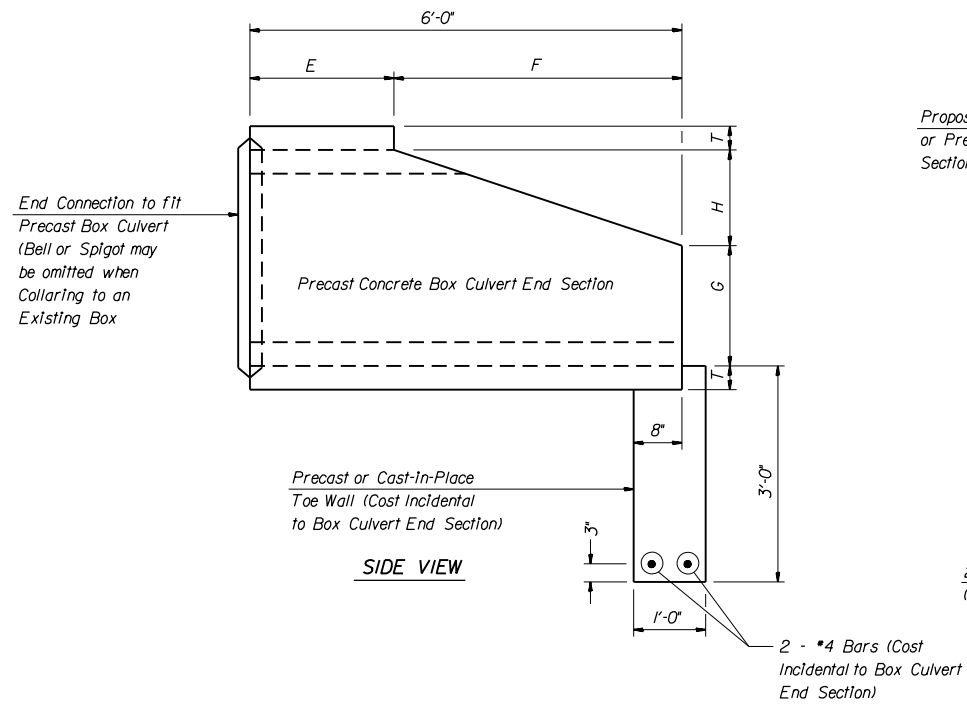
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Default	PLOT DATE = 2/3/2017	DATE - 1-11-17	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CULVERT EXTENSION LAYOUTS			
SCALE:	SHEET 2	OF 2 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	123RS-6	MASON	66	36
CONTRACT NO. 72B83				ILLINOIS FED. AID PROJECT

NOTE:
Expansion Bolts shall consist of self drilling expansion shields and 3/4" diameter hooked bolts. Hooked bolts shall extend a minimum distance as specified, 9" or 18" into the new concrete. Minimum certified proof load = 4080 lbs.



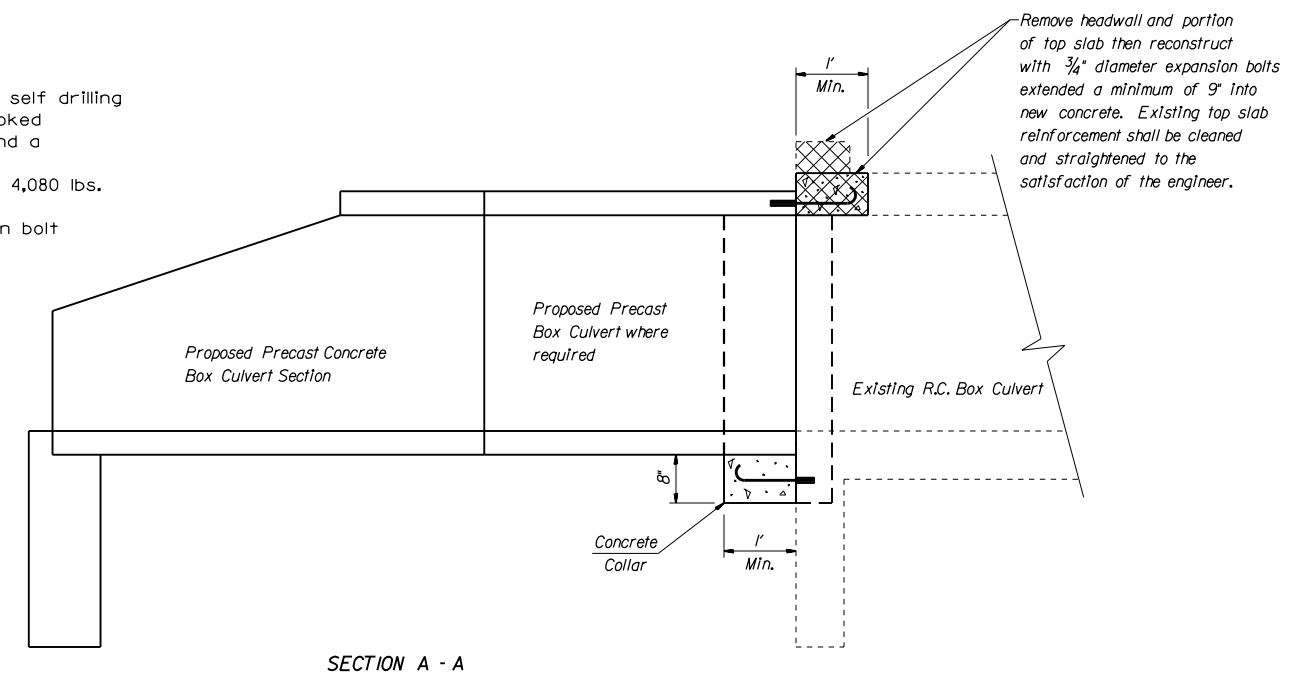
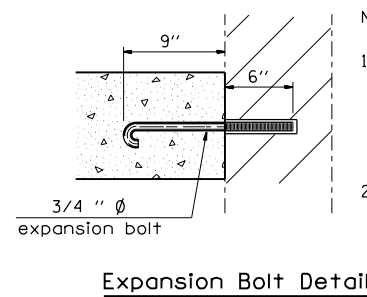
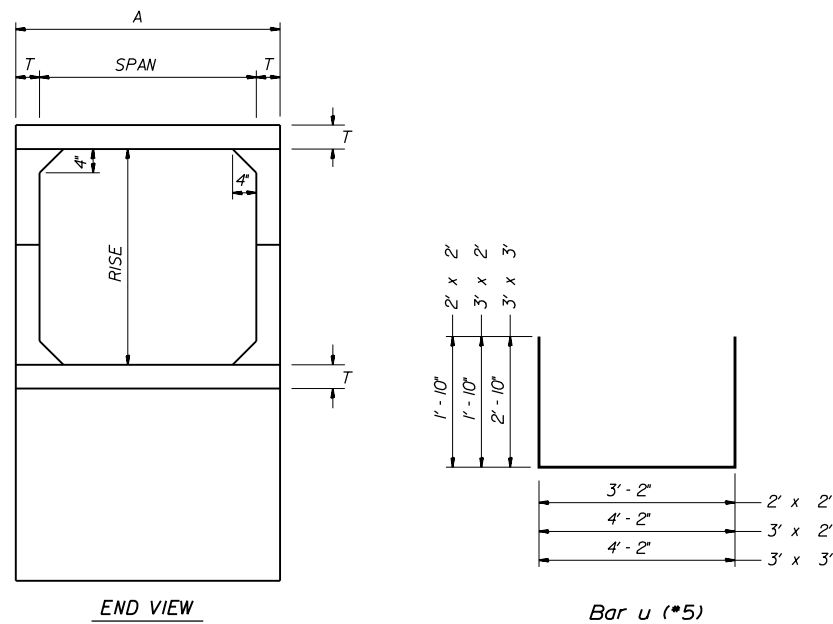
Span x Rise	# Number of expansion bolts and spacing		
	Top Slab 3/4" x 9" *	Bottom Slab 3/4" x 9" *	Each Wing 3/4" x 18" *
2' x 2'	2 at 12"	2 at 12"	2 at 24"
3' x 2'	2 at 24"	3 at 18"	2 at 24"
3' x 3'	2 at 24"	3 at 18"	2 at 24"

* The dimensions shown are the minimum extensions of the expansion bolts into the new concrete.

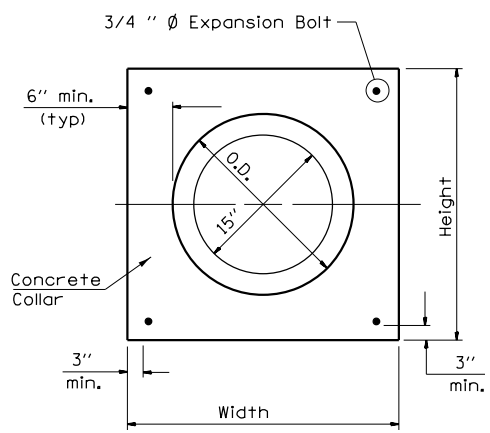
SCHEDULE OF ESTIMATED QUANTITIES

CULVERT LOCATION STATION	SIZE (FT)	CONCRETE HEADWALL REMOVAL	CONCRETE COLLAR	EXPANSION BOLTS	REINFORCEMENT BARS
		(EACH)	(C. Y.)	(EA.)	(LBS)
149+15.36 LEFT		1	0.39	8	14.25
149+15.36 RIGHT		1	0.39	8	14.25
158+17.07 LEFT		1	0.51	9	20.51
158+17.07 RIGHT		1	0.51	9	20.51
332+71.65 LEFT		1	0.39	8	14.25
332+71.65 RIGHT		1	0.39	8	14.25
TOTALS		6	2.58	50	98.02

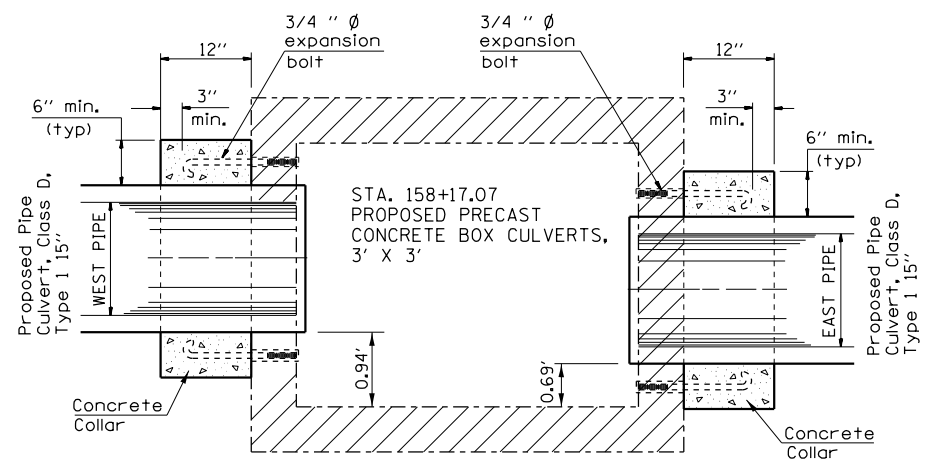
NOTE:
Removal of existing headwalls, portions of existing top slabs shall be paid for at the contract unit price for Concrete Headwall Removal.



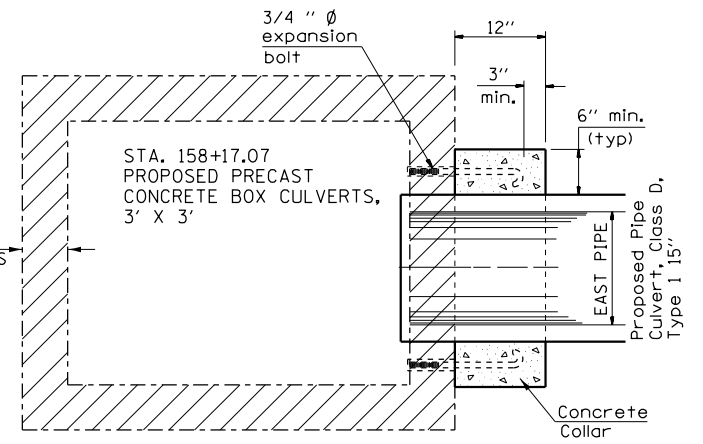
Span x Rise	T	A	E	F	G	H
2' x 2'	4"	2' - 8"	3' - 0"	3' - 0"	1' - 0"	1' - 0"
3' x 2'	4"	3' - 8"	3' - 0"	3' - 0"	1' - 0"	1' - 0"
3' x 3'	4"	3' - 8"	2' - 0"	4' - 0"	1' - 8"	1' - 4"



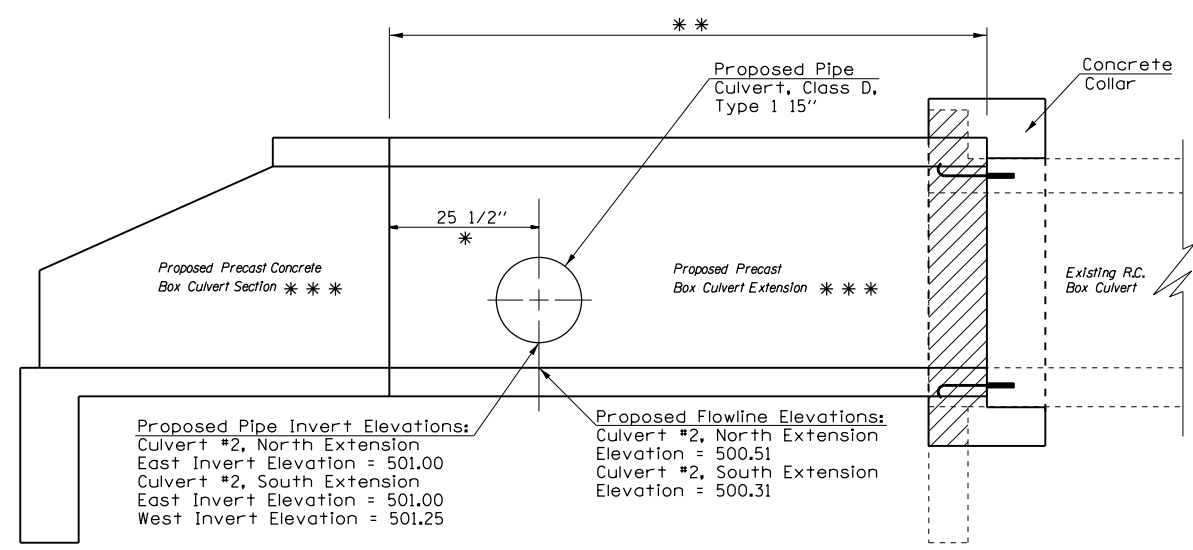
PIPE CULVERT COLLAR



END SECTIONAL VIEW (CULVERT #2)
PIPES IN SIDE EXTENSION
STA. 158+17.07, RIGHT



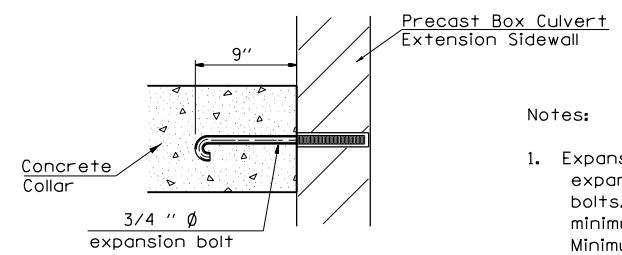
END SECTIONAL VIEW (CULVERT #2)
PIPE IN SIDE EXTENSION
STA. 158+17.07, LEFT



Proposed Pipe Invert Elevations:
Culvert #2, North Extension
East Invert Elevation = 501.00
Culvert #2, South Extension
East Invert Elevation = 501.00
West Invert Elevation = 501.25

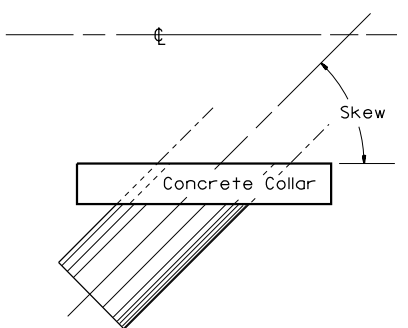
Proposed Flowline Elevations:
Culvert #2, North Extension
Elevation = 500.51
Culvert #2, South Extension
Elevation = 500.31

- * - Typical for all proposed pipes in side of culvert extensions.
- ** - Sta. 149+15.36 Left = 9'-0"
Sta. 149+15.36 Right = 8'-0"
Sta. 158+17.07 Left = 6'-0"
Sta. 158+17.07 Right = 8'-0"
Sta. 332+71.65 Left = 6'-0"
Sta. 332+71.65 Right = 6'-0"
- *** - Sta. 149+15.36 - 2'h x 2'w
Sta. 158+17.07 - 3'h x 3'w
Sta. 332+71.65 - 2'h x 2'w



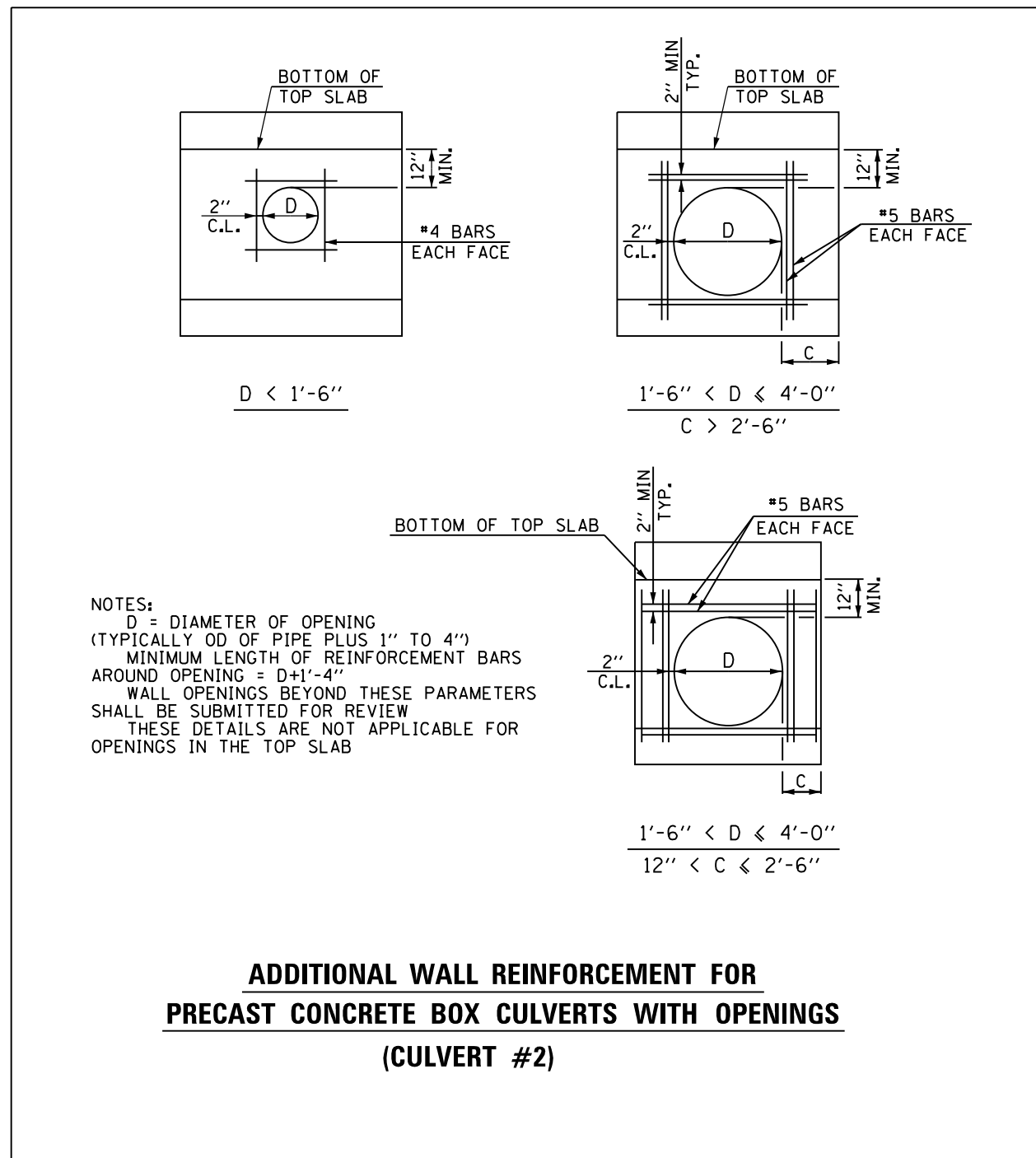
Expansion Bolt Detail for Concrete Collars

- Notes:
- Expansion bolts shall consist of self drilling expansion shields and 3/4" diameter hooked bolts. Hooked bolts shall extend a minimum of 9" into new concrete collar. Minimum Certified Proof Load - 4,080 lbs.
 - Use minimum of 1 (one) expansion bolt at each corner.



NOTE:
ALL PRECAST CONCRETE BOX CULVERT SEGMENTS WITH PIPE CULVERTS INTERSECTING THE SIDEWALLS SHALL BE DETAILED AS PER THE REQUIREMENTS OF ASTM C1577, EXCEPT THAT THE AS2 AND AS5 REINFORCEMENT AREAS SHALL BE INCREASED TO 0.40 SQUARE INCH PER FOOT.

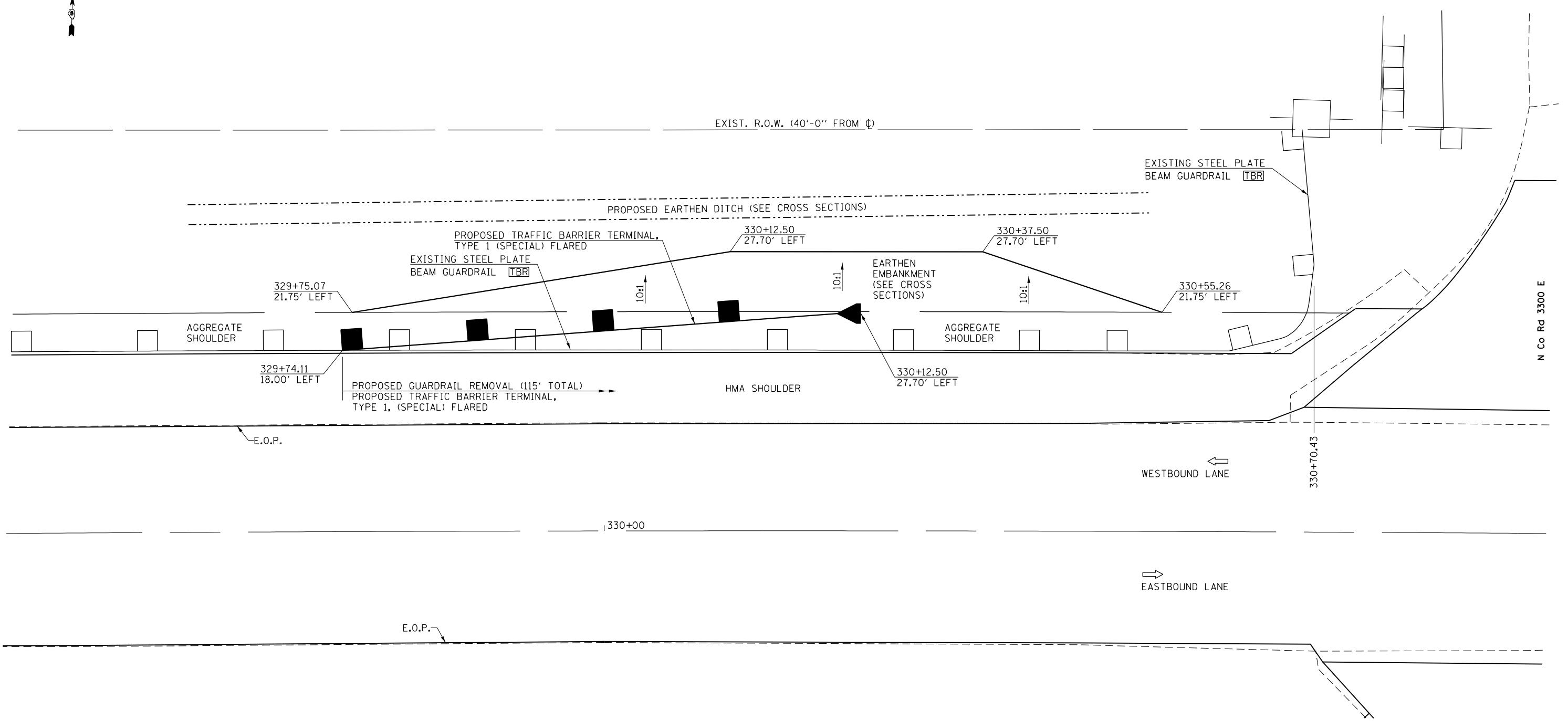
Station	side of box culvert	Skew	Existing Culvert		Proposed Culvert		Pipe Collar		Expansion Bolts 3/4"	Concrete Collar Cu Yd
			Size	I.D.	O.D.	Height	Width			
158+17.07 left	east	81.4°	3'w x 2.5'h	15"	15"	27"	27"	4	.14	
158+17.07 right	east	80.3°	3'w x 2.5'h	15"	15"	27"	27"	4	.14	
158+17.07 right	west	81.3°	3'w x 2.5'h	15"	15"	27"	27"	4	.14	
Totals									12	.42



NOTE:
ALL PRECAST CONCRETE BOX CULVERT SEGMENTS WITH PIPE CULVERTS INTERSECTING THE SIDEWALLS SHALL BE DETAILED AS PER THE REQUIREMENTS OF ASTM C1577, EXCEPT THAT THE AS2 AND AS5 REINFORCEMENT AREAS SHALL BE INCREASED TO 0.40 SQUARE INCH PER FOOT.

NOTES:
D = DIAMETER OF OPENING
(TYPICALLY OD OF PIPE PLUS 1" TO 4")
MINIMUM LENGTH OF REINFORCEMENT BARS AROUND OPENING = D+1'-4"
WALL OPENINGS BEYOND THESE PARAMETERS SHALL BE SUBMITTED FOR REVIEW
THESE DETAILS ARE NOT APPLICABLE FOR OPENINGS IN THE TOP SLAB

FILE NAME =	USER NAME = Verenskif	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIDE WALL PIPE CULVERT INSTALLATION			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 6\Projects\0672883\BROWNDATA\EA0\Sheets\0672883-sht-culvert\0672883-01.dgn	DESIGNED -	REVISED -	REVISED -					315	123RS-6	MASON	66	39
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 72B83			ILLINOIS FED. AID PROJECT				
	PLOT DATE = 2/3/2017	DATE -	REVISED -		SCALE:	SHEET 2 OF 2 SHEETS	STA.	TO STA.				

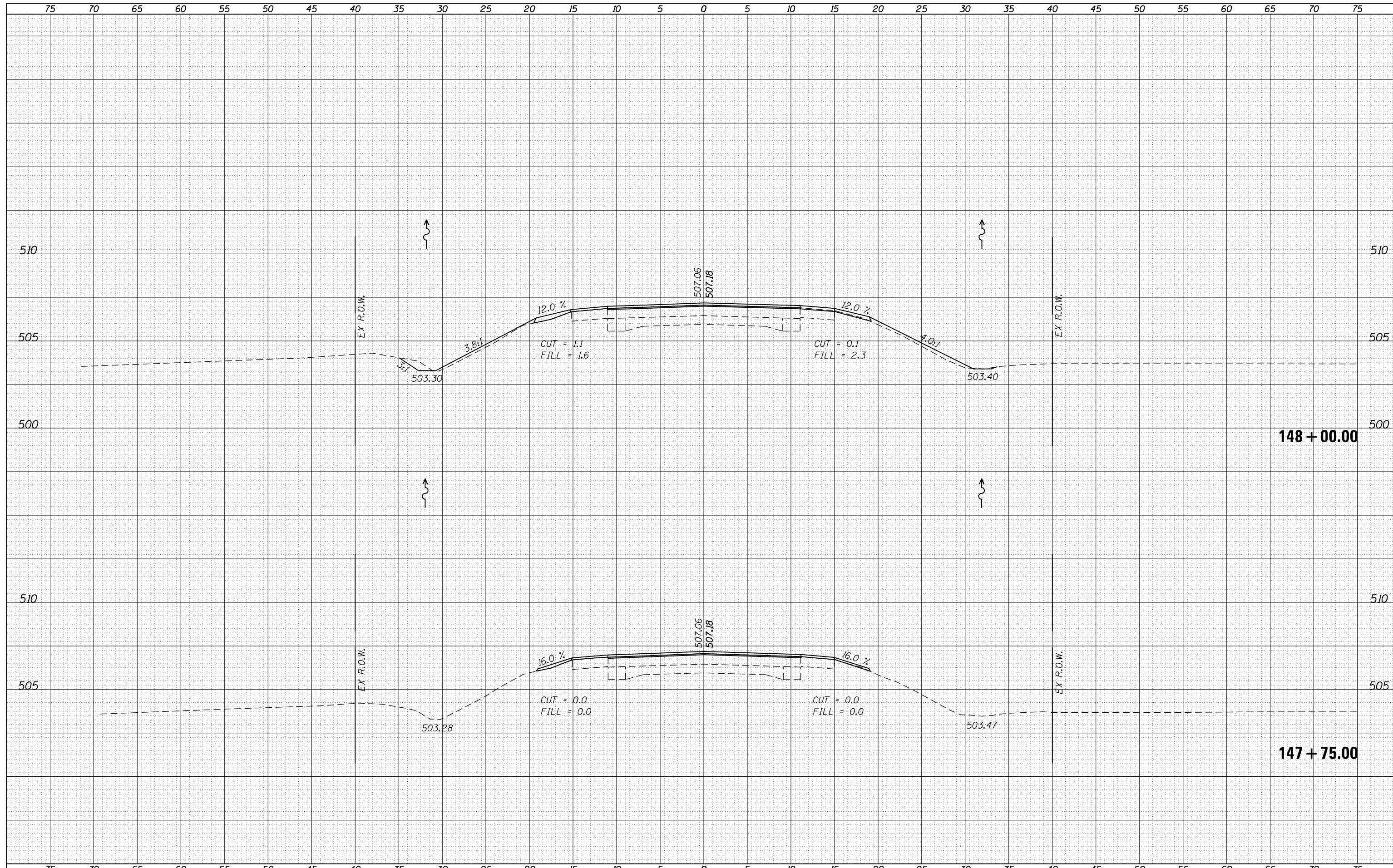


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Default	PLOT DATE = 2/3/2017	DATE - 01-11-2016	REVISED -

**STATE OF ILLINOIS
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GUARDRAIL DETAILS			
SCALE:	SHEET 1	OF 1	SHEETS
	STA.		TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	123RS-6	MASON	66	40
CONTRACT NO. 72B83			ILLINOIS FED. AID PROJECT	

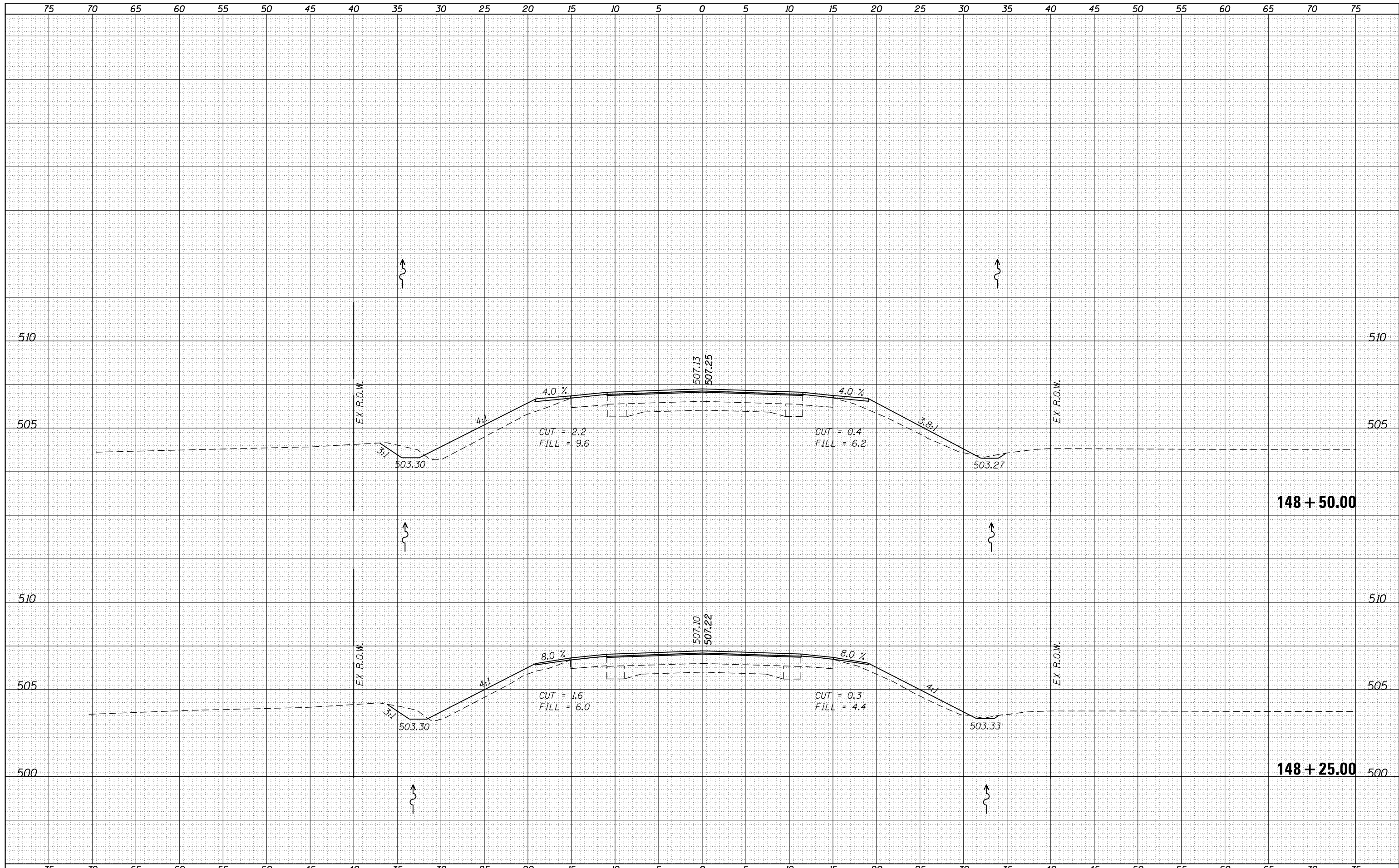


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 PLOT DATE = 2/3/2017

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DEPARTMENT OF TRANSPORTATION**

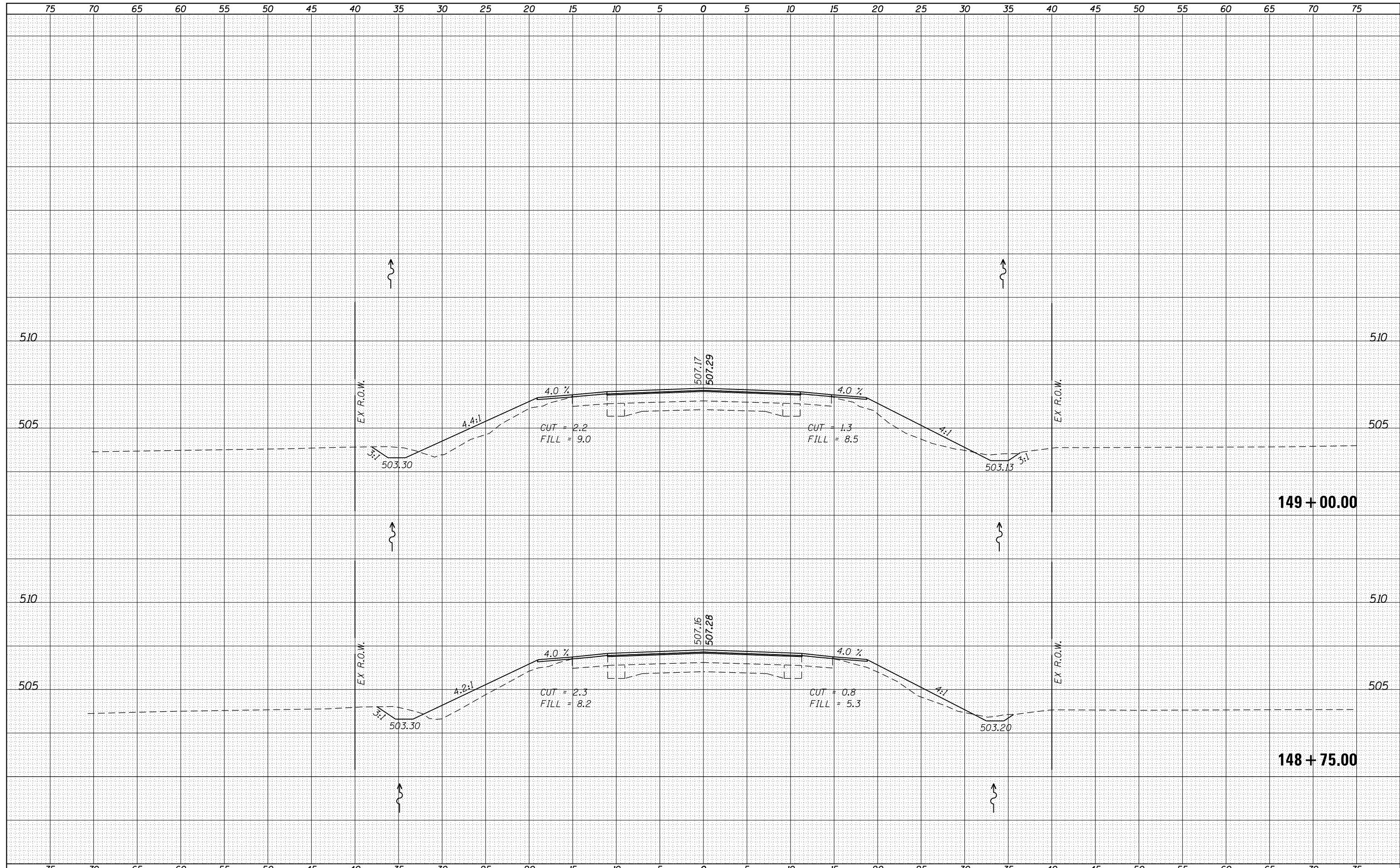
MAINLINE CROSS SECTIONS

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	123RS-6	MASON	66	42
CONTRACT NO. 72B83				
ILLINOIS FED. AID PROJECT				

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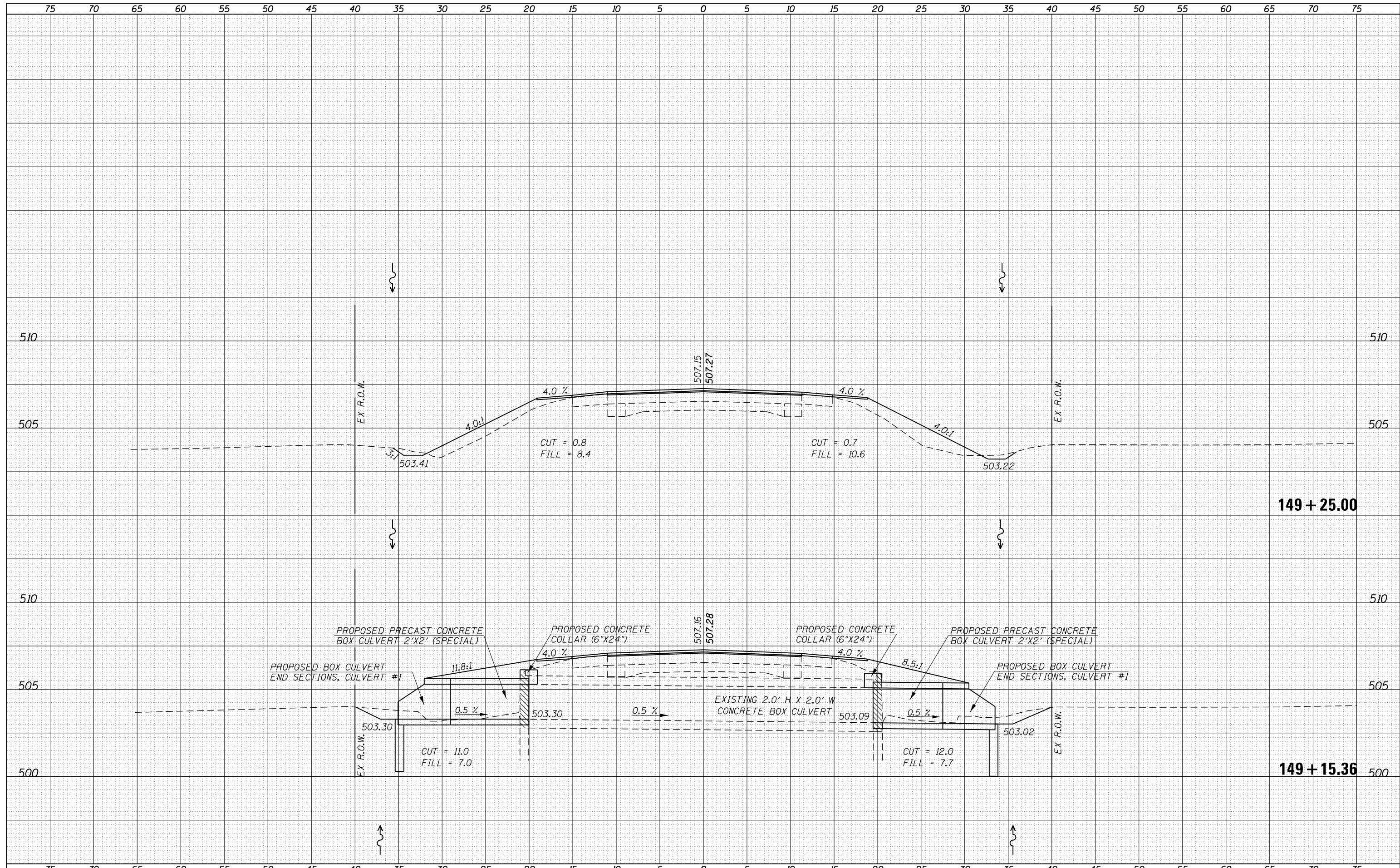
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		CHECKED -		REVISOR -			SCALE:	SHEET 3	OF 26	SHEETS	STA. 148+75.00	TO STA. 149+00.00	315	123RS-6	MASON	66	43
		DATE -	11/08/2016	REVISOR -			CONTRACT NO. 72B83										
							ILLINOIS FED. AID PROJECT										

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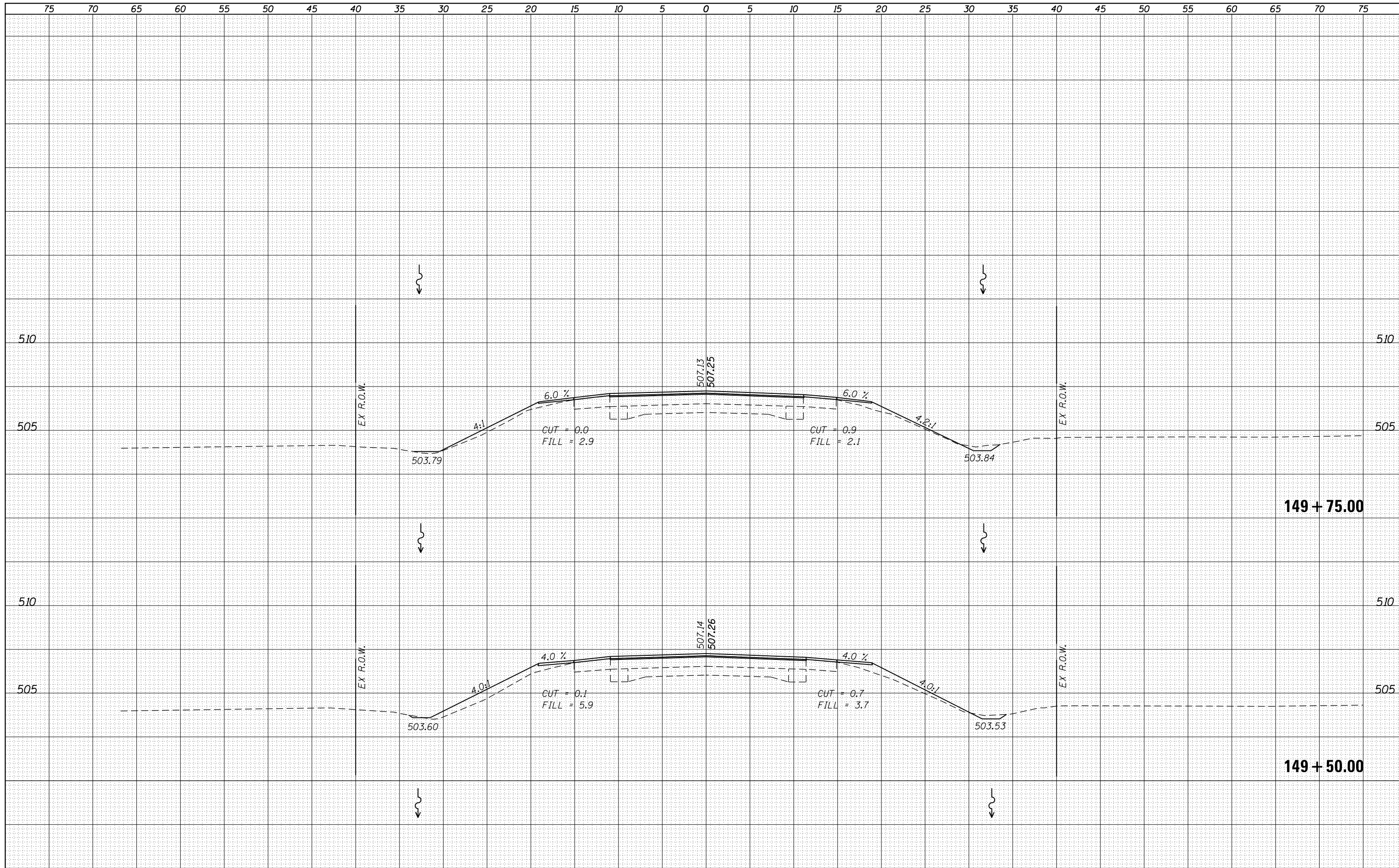


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Default	11/08/2017	11/08/2016			SCALE:	SHEET 4 OF 26 SHEETS	STA. 149+15.36 TO STA. 149+25.00	315	123RS-6	MASON	66	44	

ILLINOIS FED. AID PROJECT CONTRACT NO. 72B83

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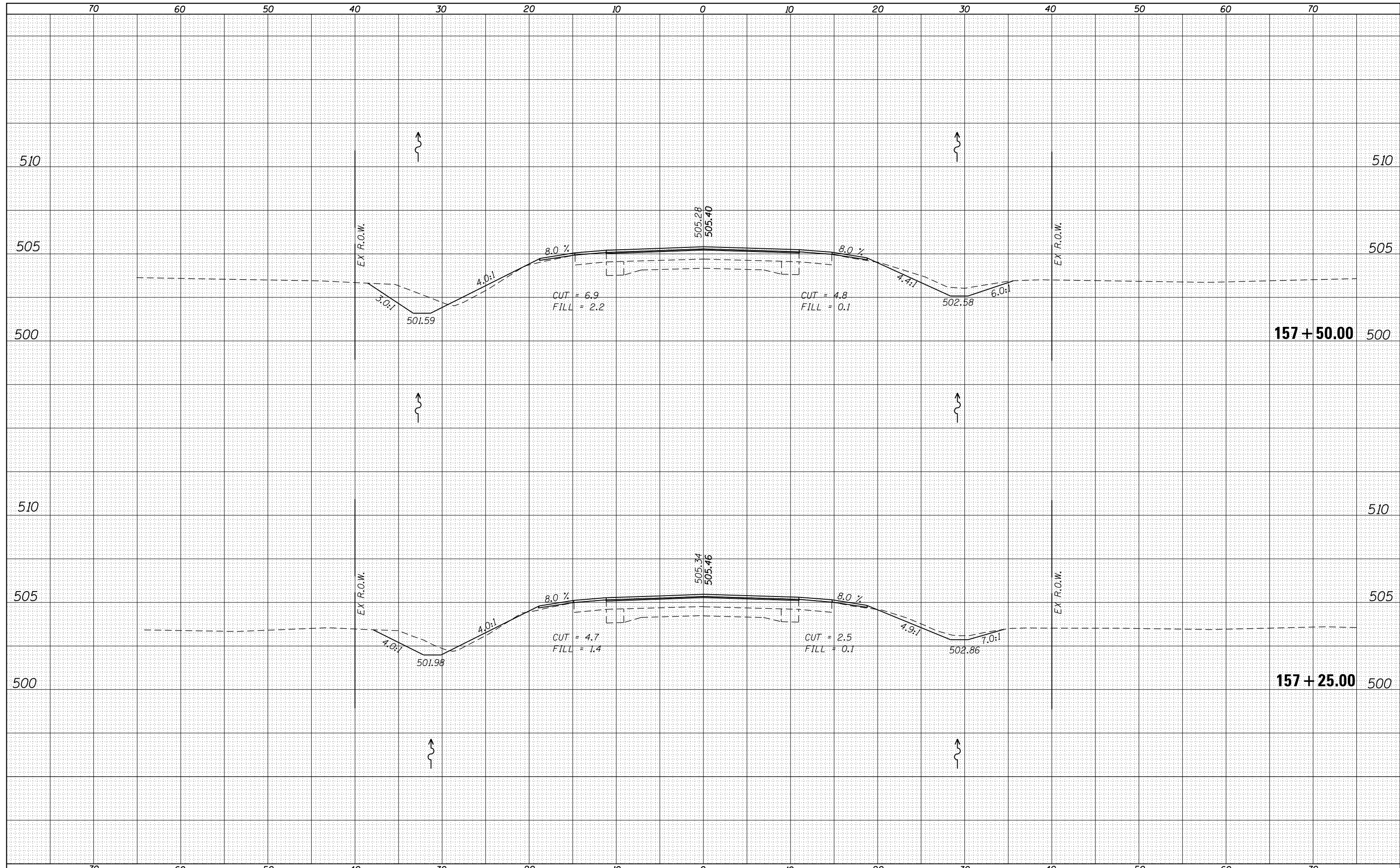
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					315	123RS-6	MASON	66	45			
					CONTRACT NO. 72B83			ILLINOIS FED. AID PROJECT				
					SCALE:	SHEET 5	OF 26 SHEETS	STA. 149+50.00	TO STA. 149+75.00			

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PLLOT DATE = 2/3/2017	DATE -	REVISIED -

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DEPARTMENT OF TRANSPORTATION**

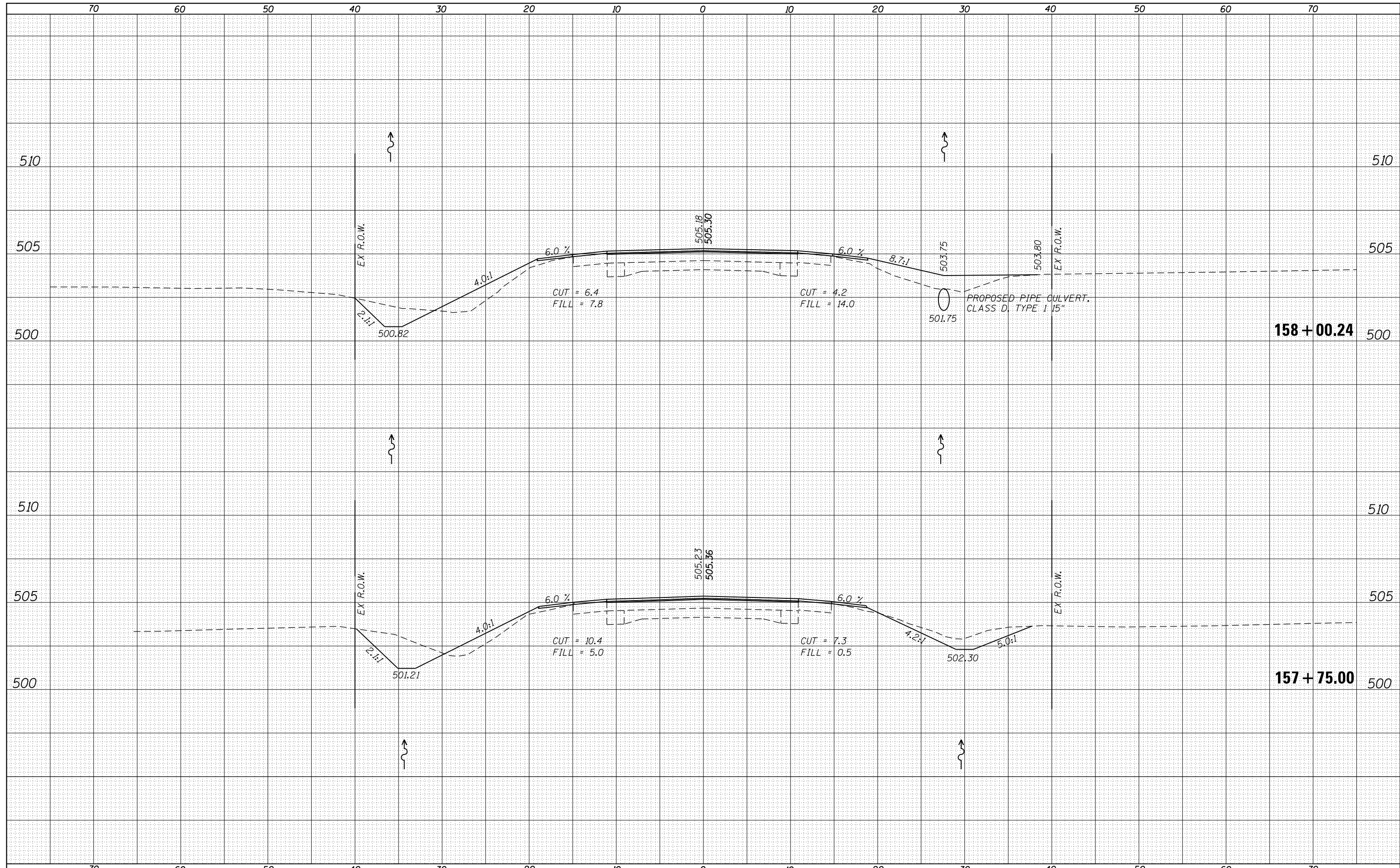
MAINLINE CROSS SECTIONS

SCALE: SHEET 9 OF 26 SHEETS STA. 157+25.00 TO STA. 157+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	123RS-6	MASON	66	49
CONTRACT NO. 72B83			ILLINOIS FED. AID PROJECT	

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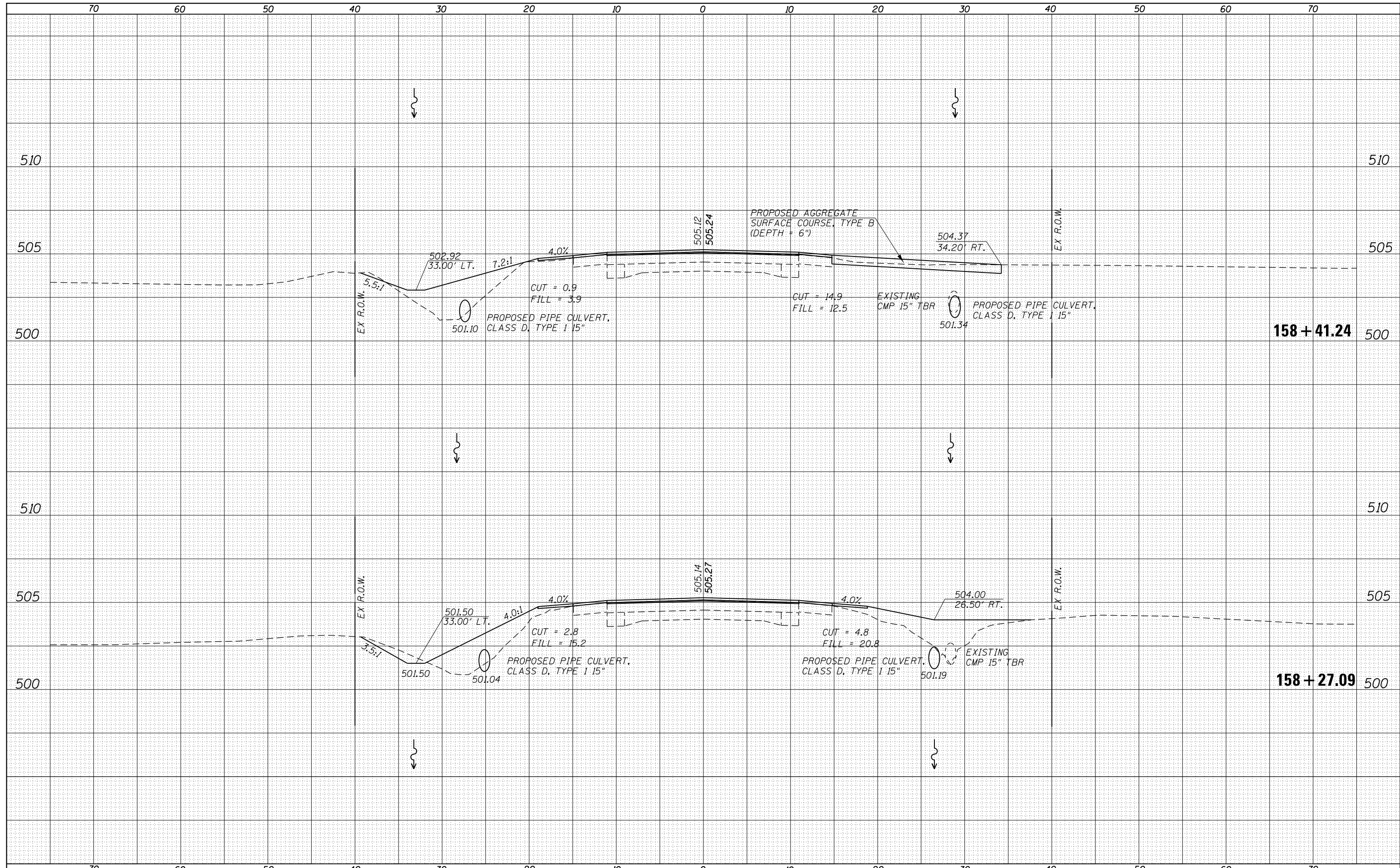
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	PLOT DATE = 2/3/2017							ILLINOIS FED. AID PROJECT				

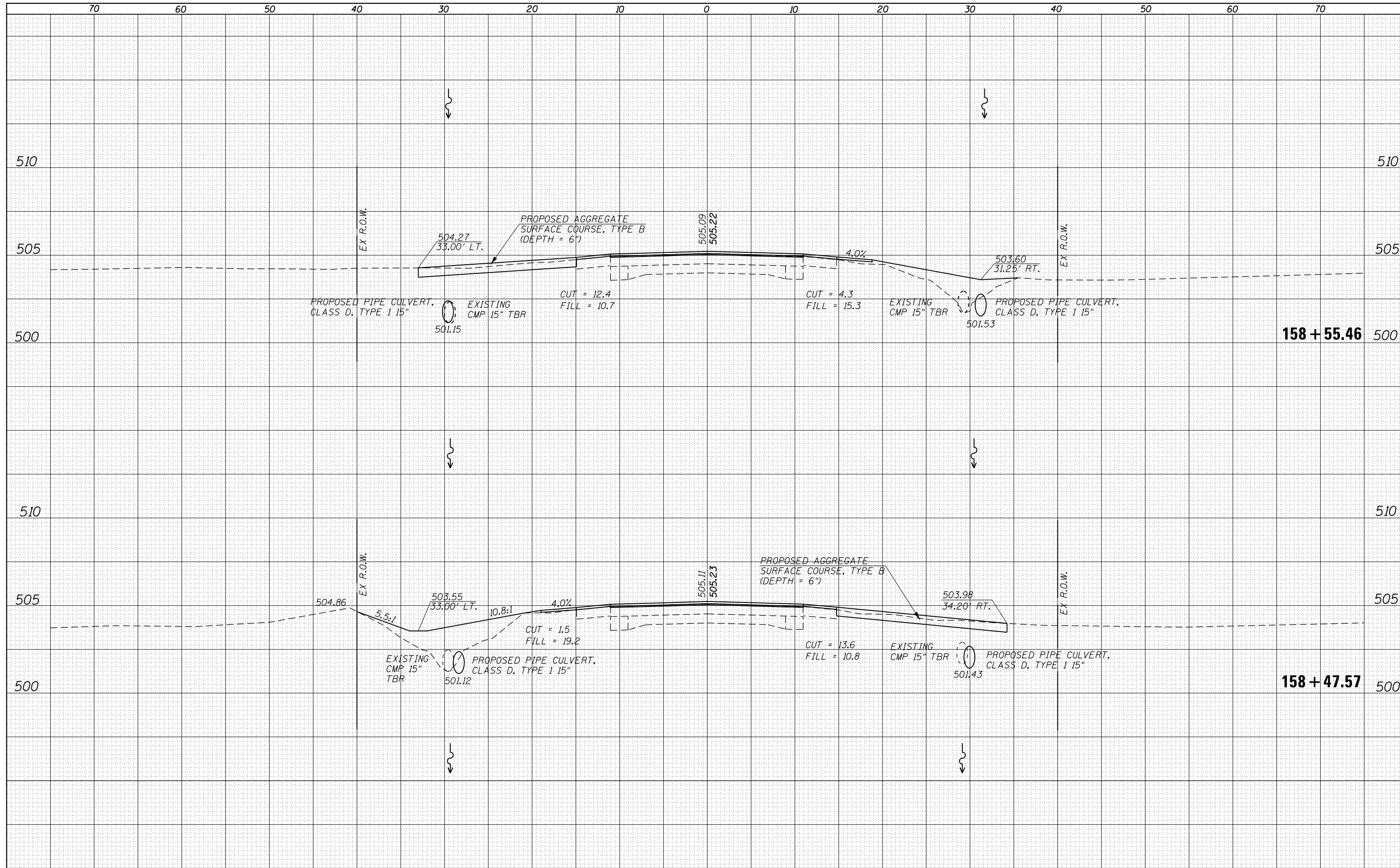
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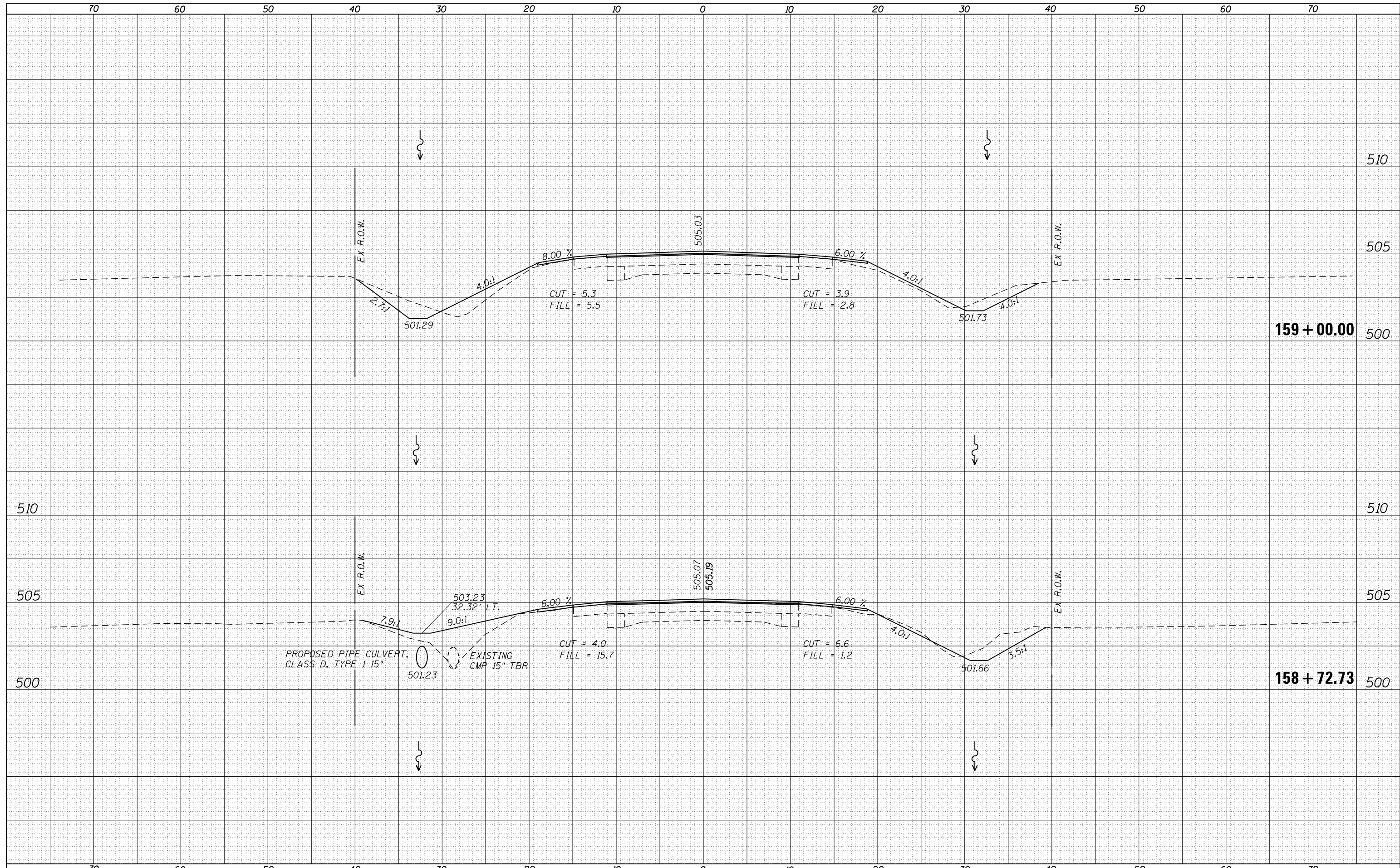
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	PLOT DATE = 2/3/2017		REVISOR -					ILLINOIS FED. AID PROJECT				

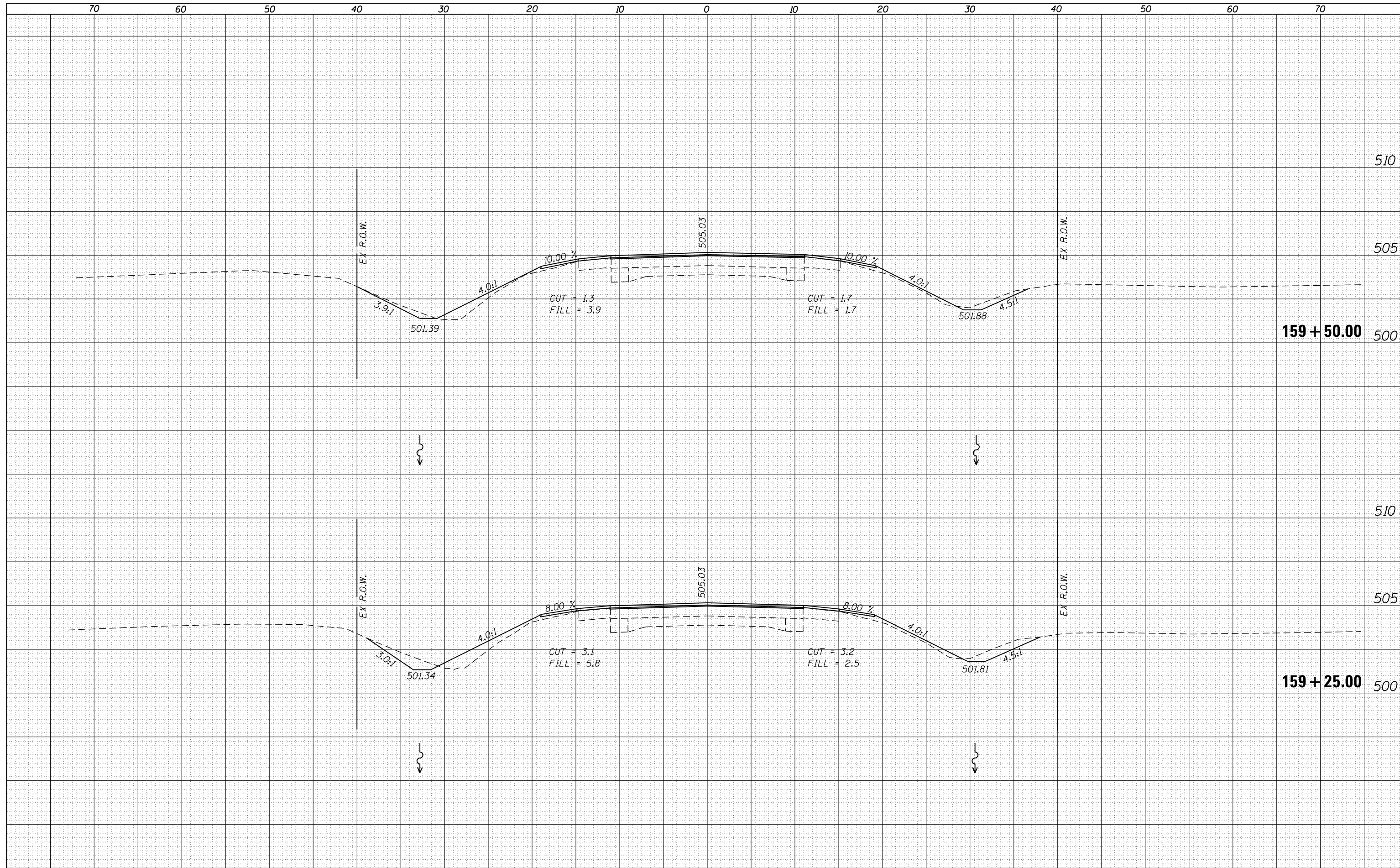
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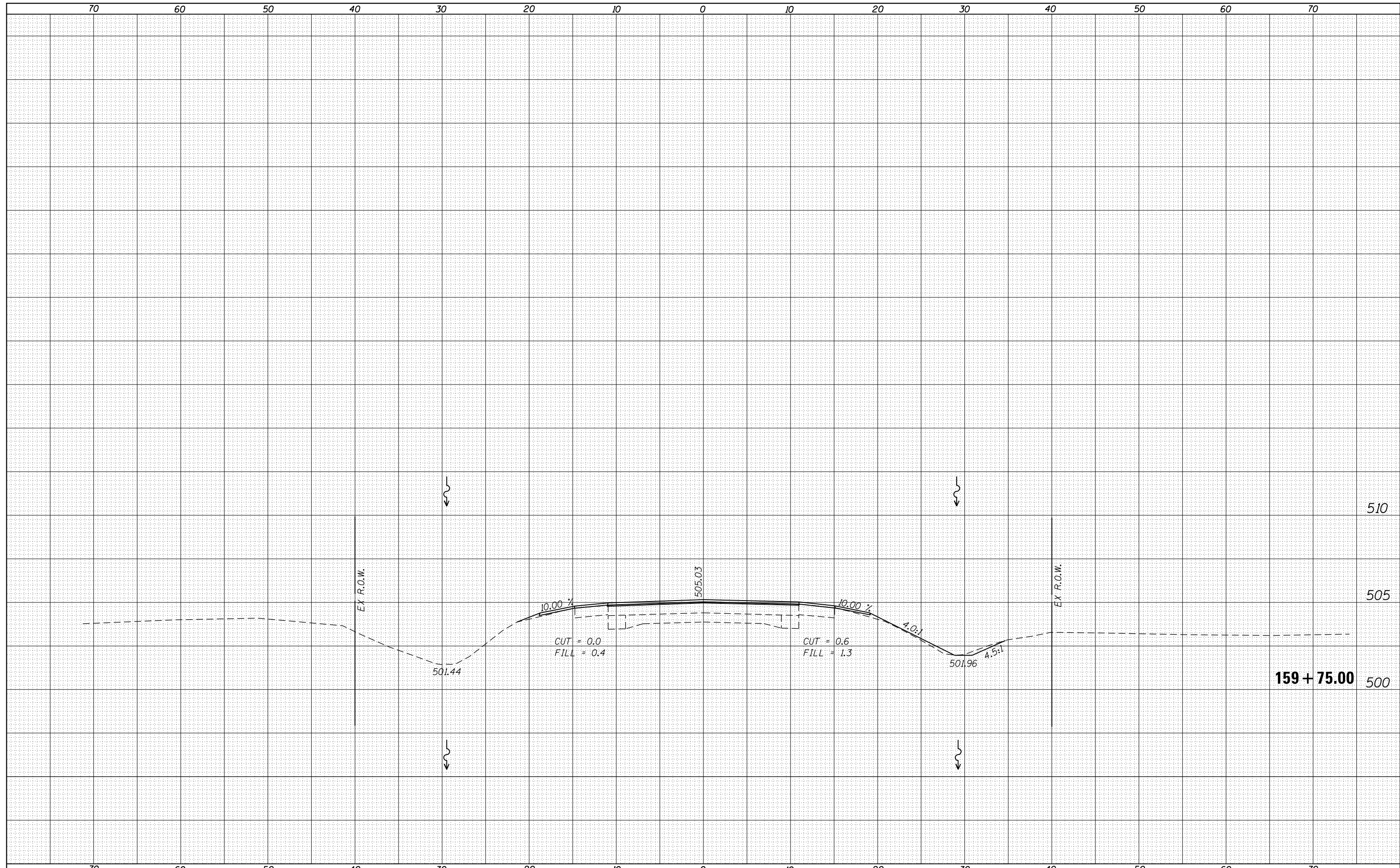
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	PLOT SCALE = 10.0000' / in.	DATE -	REVISOR -									CONTRACT NO. 72883
	PLOT DATE = 2/3/2017											ILLINOIS FED. AID PROJECT

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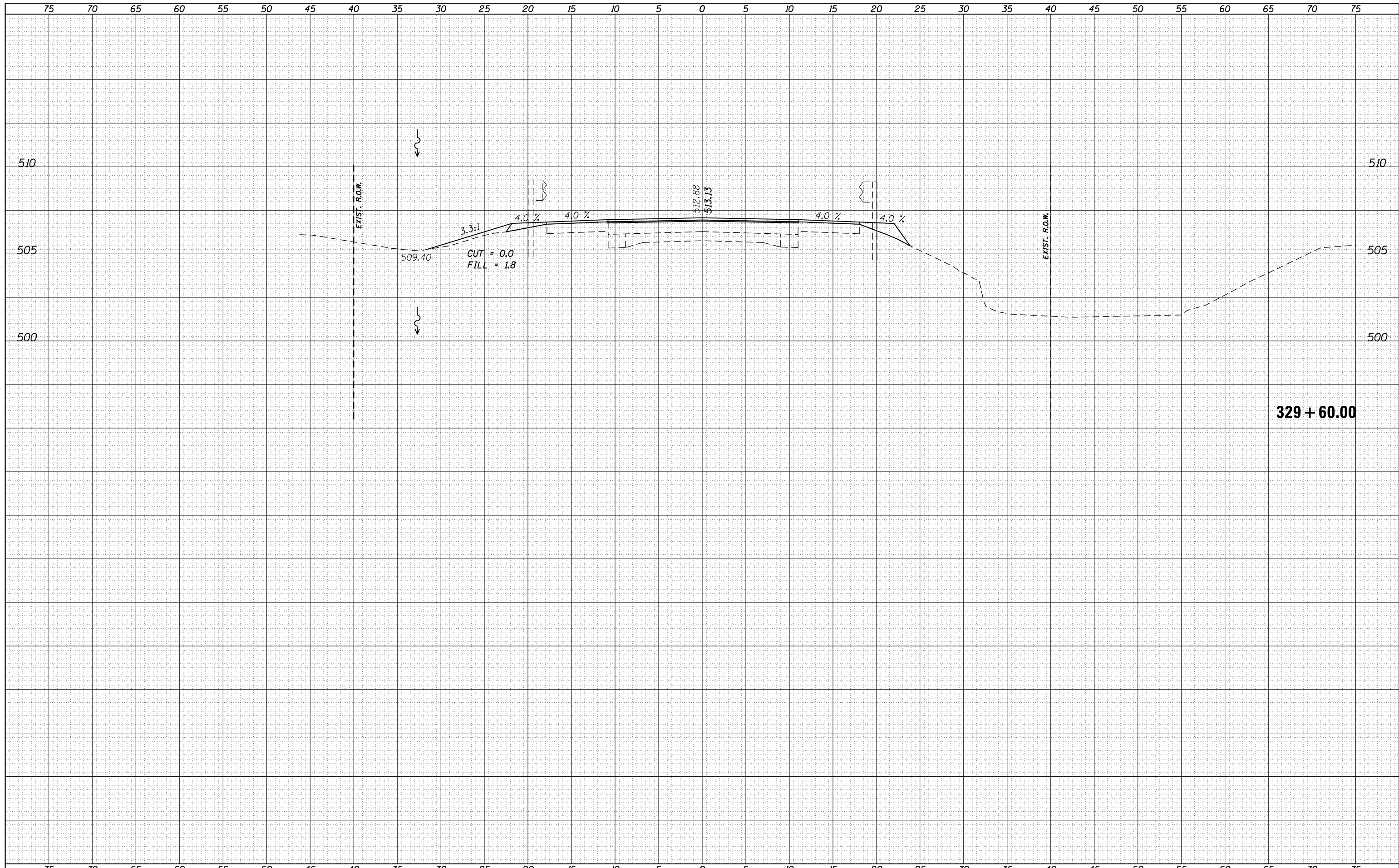
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Default	123RS-6	CHECKED -	REVISOR -		SCALE:	SHEET 16	OF 26 SHEETS	STA.	TO STA.	MASON	66	56
	CONTRACT NO. 72B83	DATE -	REVISOR -		ILLINOIS FED. AID PROJECT							

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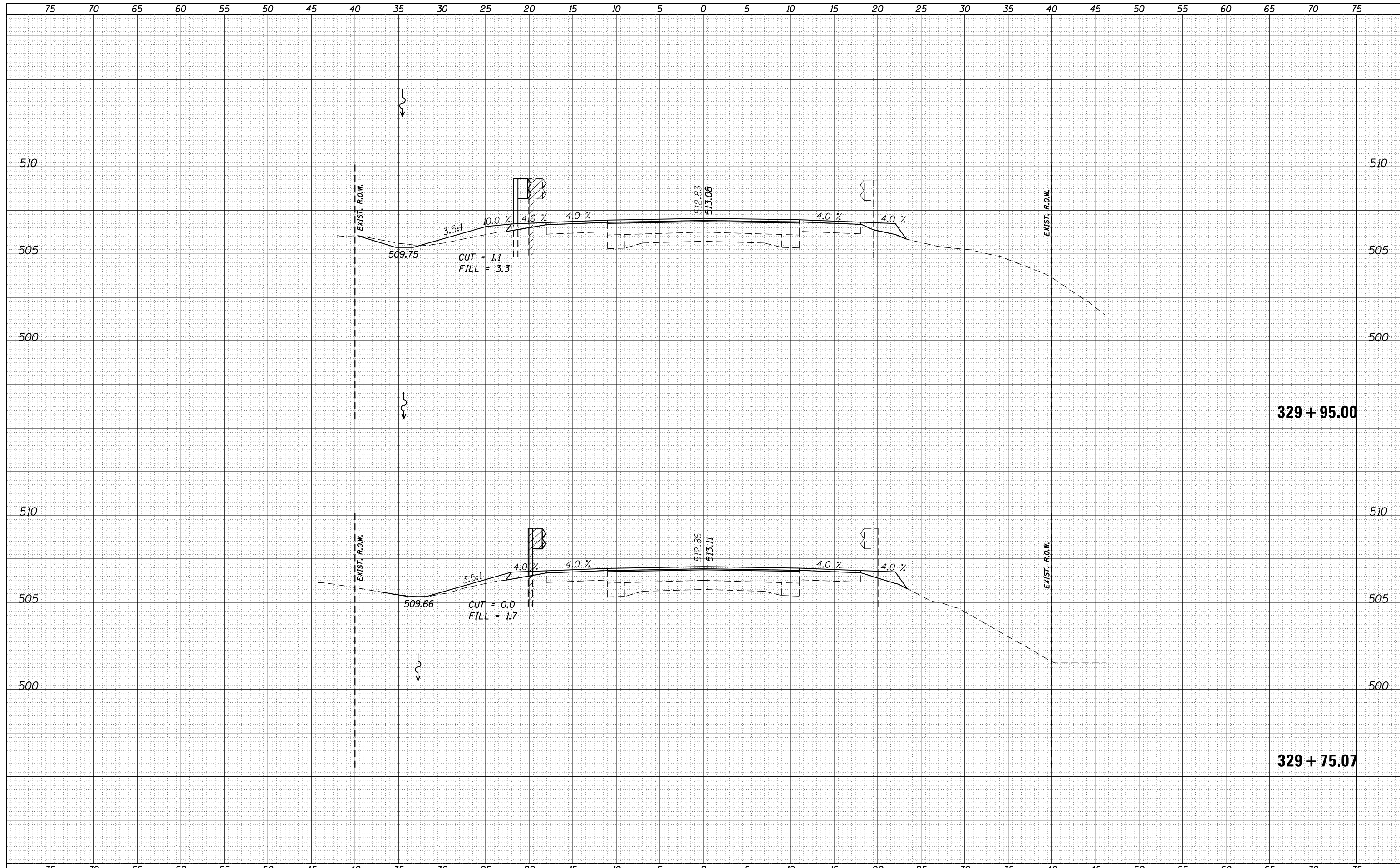
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS			
SCALE:	SHEET 17	OF 26 SHEETS	STA. 329+60.00 TO STA. 329+60.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	123RS-6	MASON	66	57
CONTRACT NO. 72B83			ILLINOIS FED. AID PROJECT	

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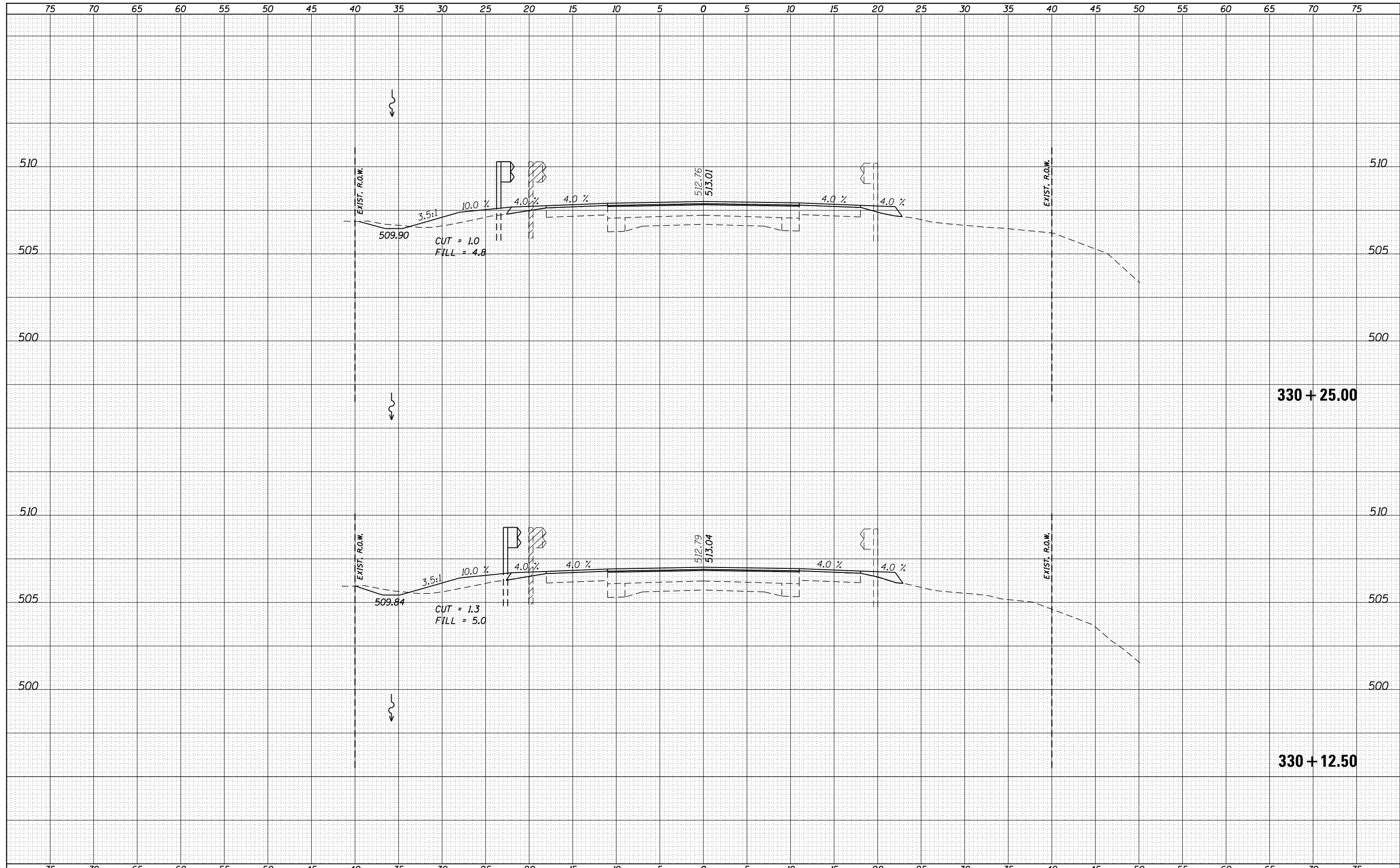


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p:\11084EBIDINTEG\Illinois.gov\PIWIDOT\Documents\IDOT Offices\District 6\Projects\0672883\CADD\Drawings\Drawings\3-sht-xsections.dgn		CHECKED -		REVISÉD -			315	123RS-6	MASON	66	58
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Default							ILLINOIS FED. AID PROJECT				

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DEPARTMENT OF TRANSPORTATION**

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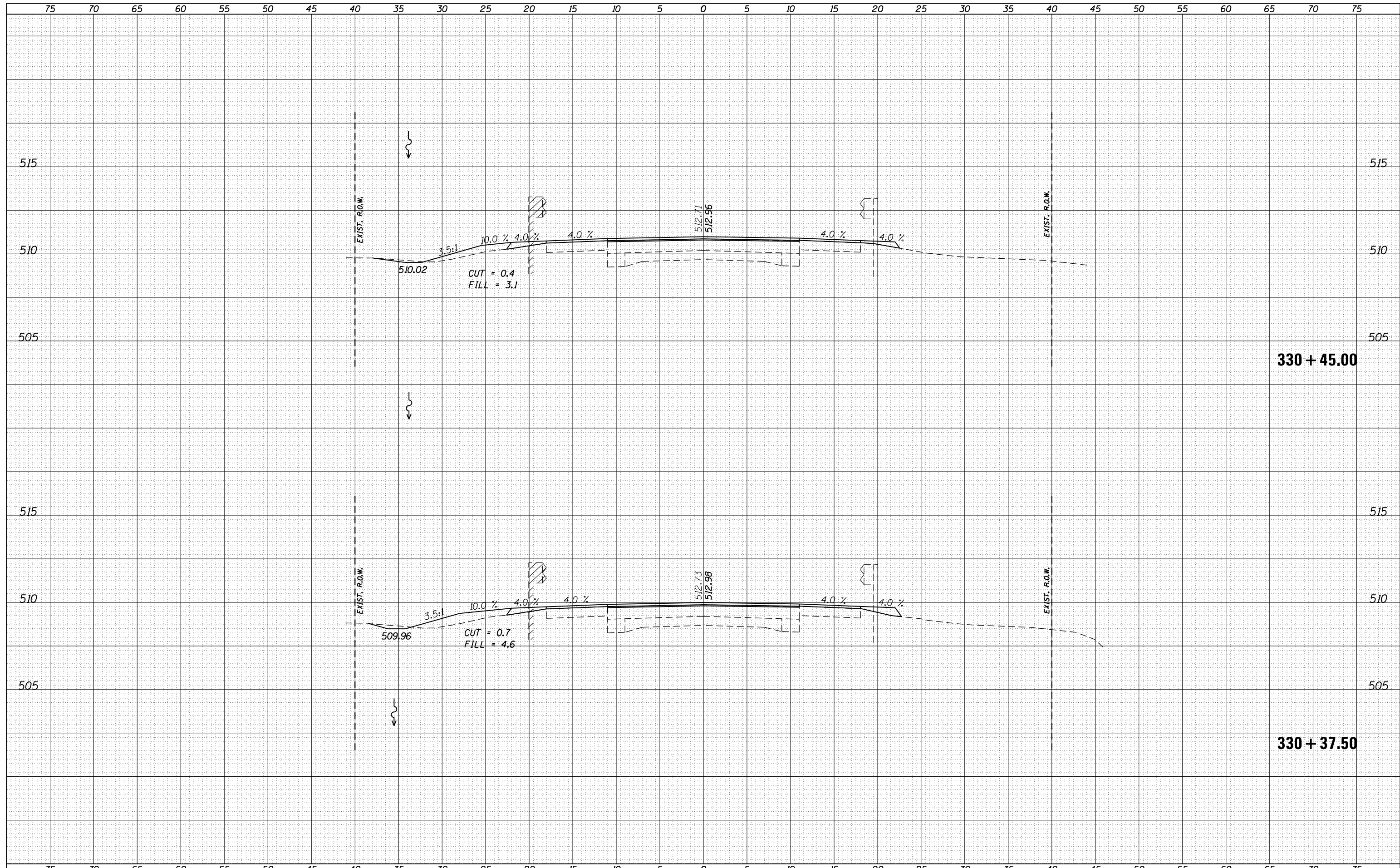
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	PLOT DATE = 2/3/2017		REVISOR -		ILLINOIS FED. AID PROJECT							

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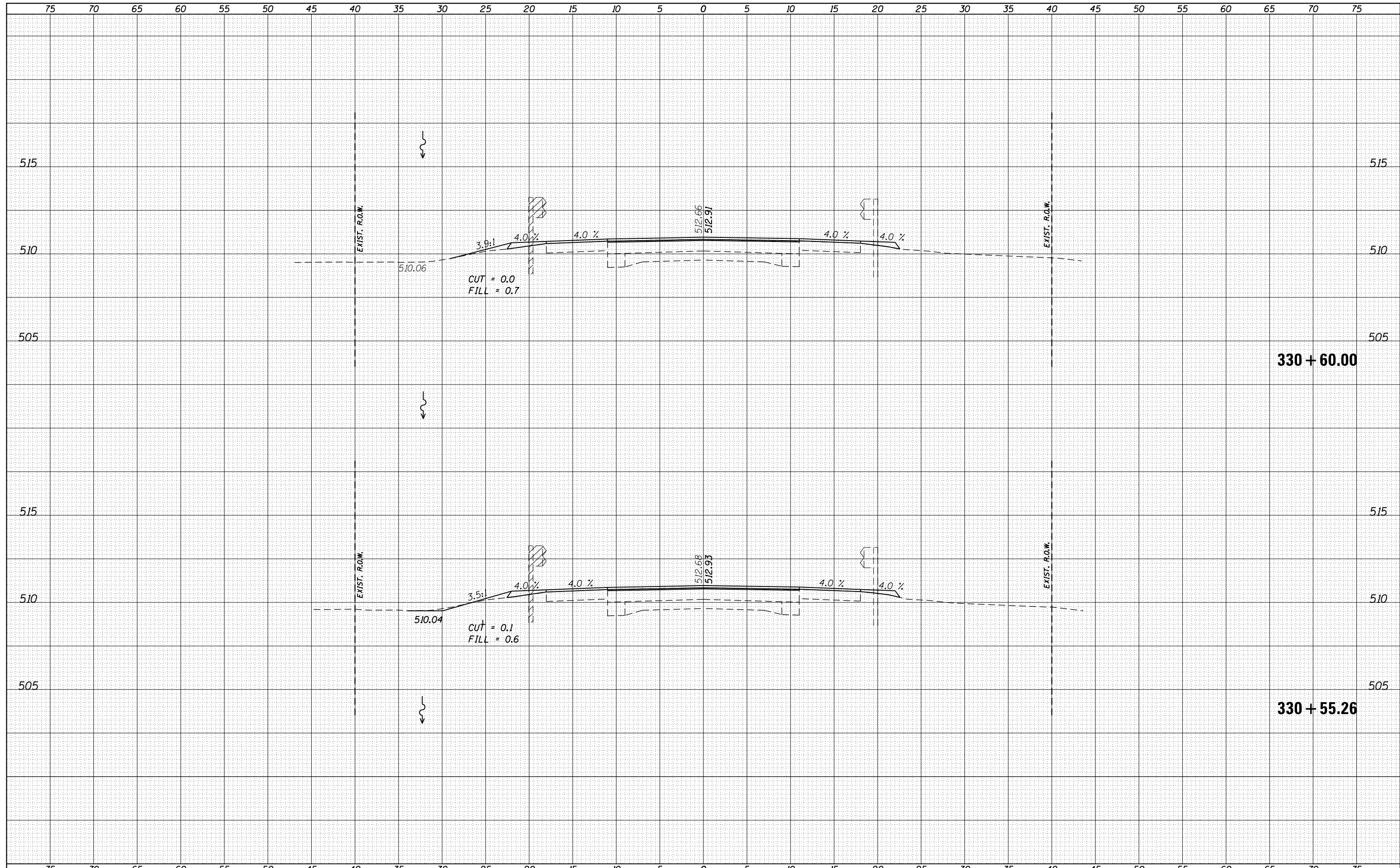
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										ILLINOIS FED. AID PROJECT				

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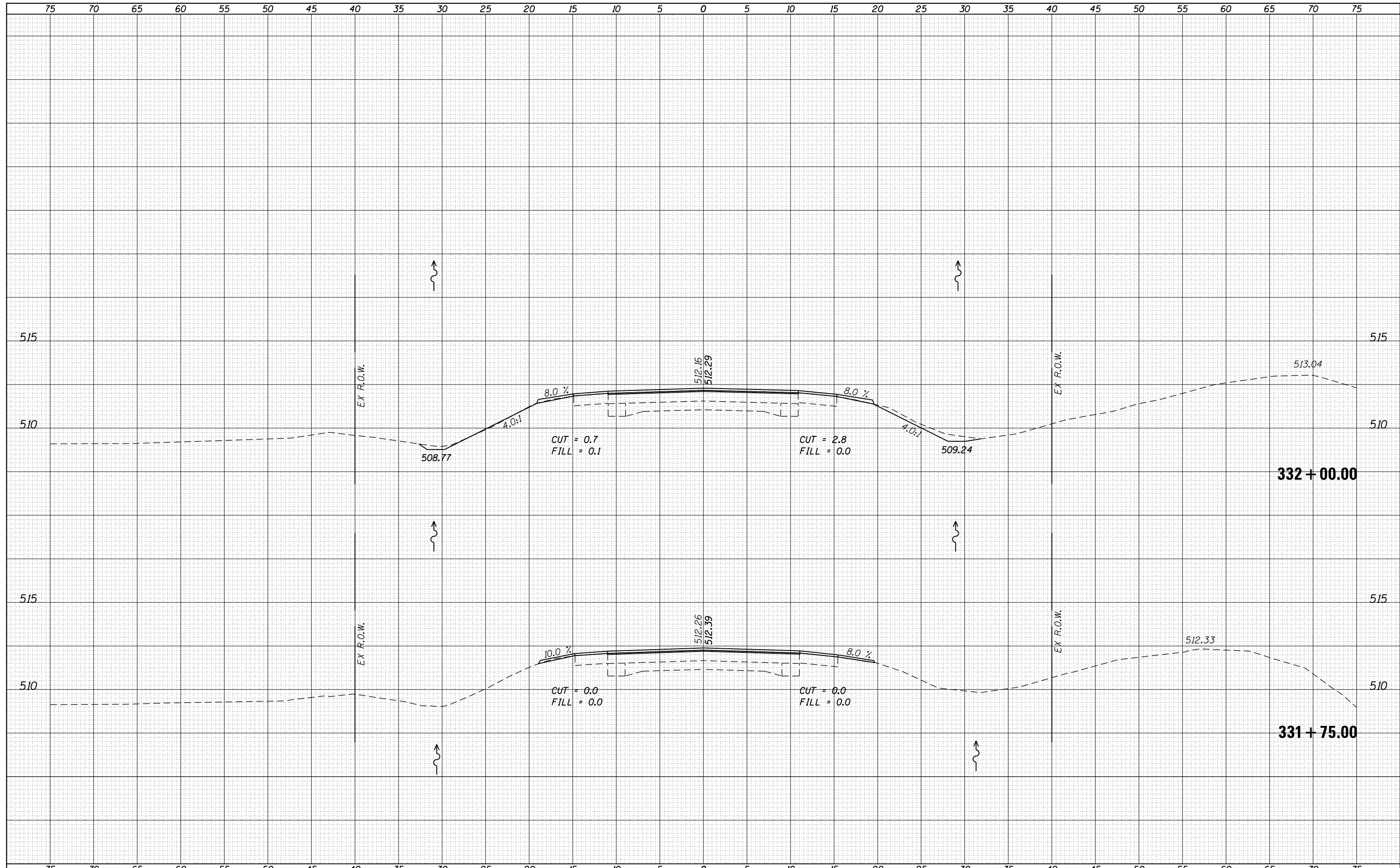
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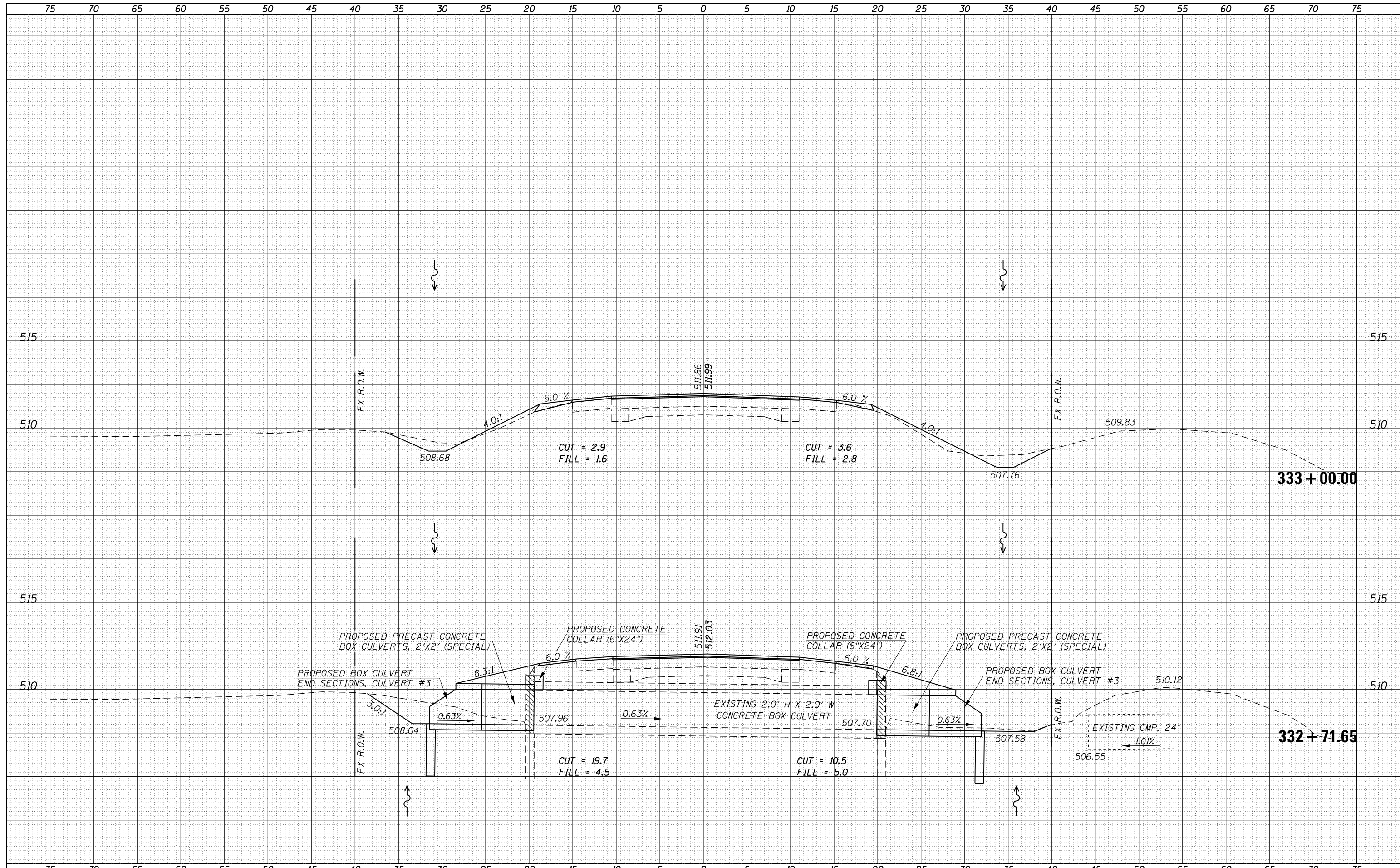
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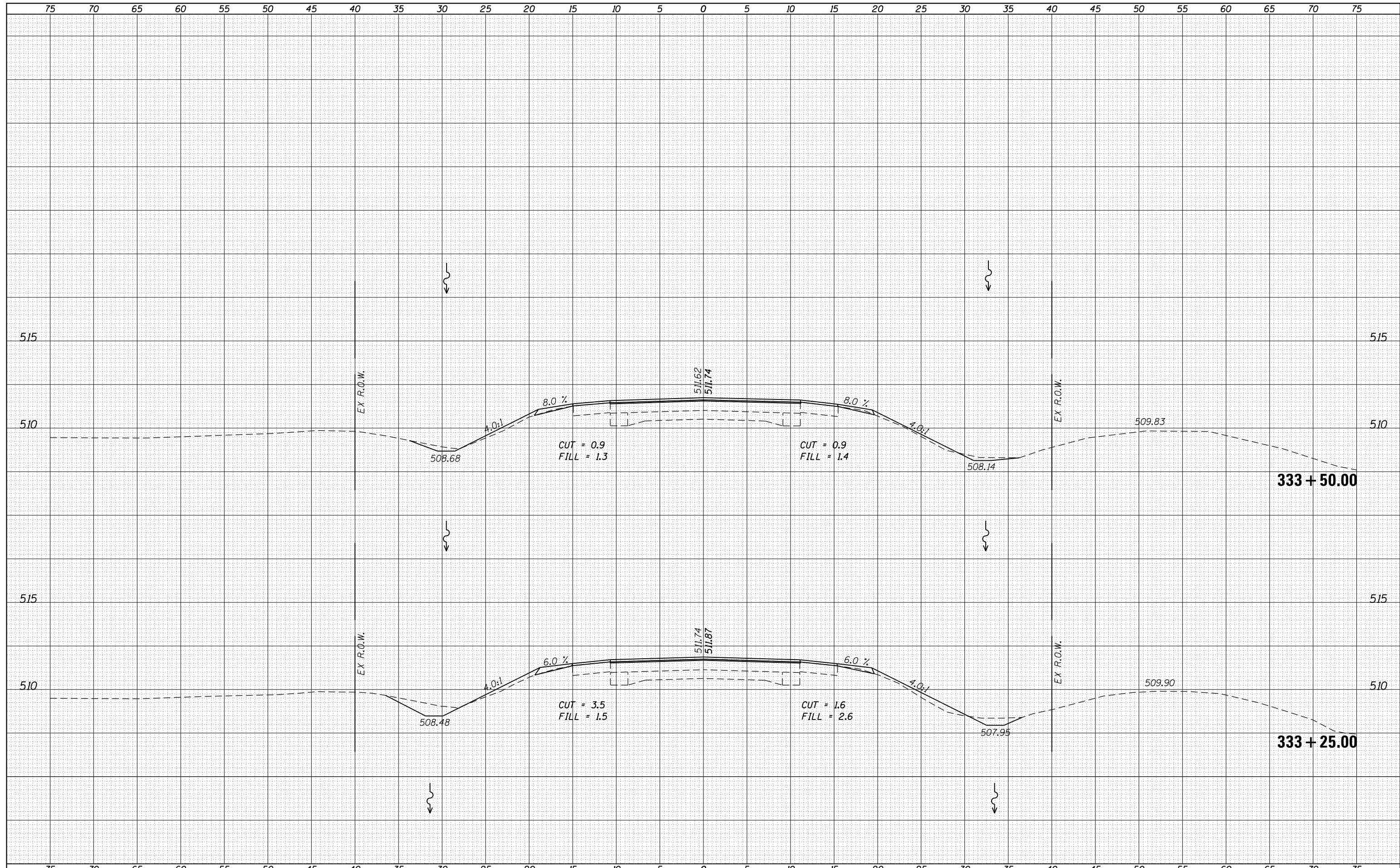
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FILE NAME =	USER NAME = Verenskifa	DESIGNED - RTS	REVISER -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINLINE CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT SCALE = 10.0000' / in.	DATE - 11-09-2016	REVISER -			CONTRACT NO. 72883			ILLINOIS FED. AID PROJECT	
	PLOT DATE = 2/3/2017					SCALE:	SHEET 24 OF 26 SHEETS	STA. 332+71.65 TO STA. 333+00.00		

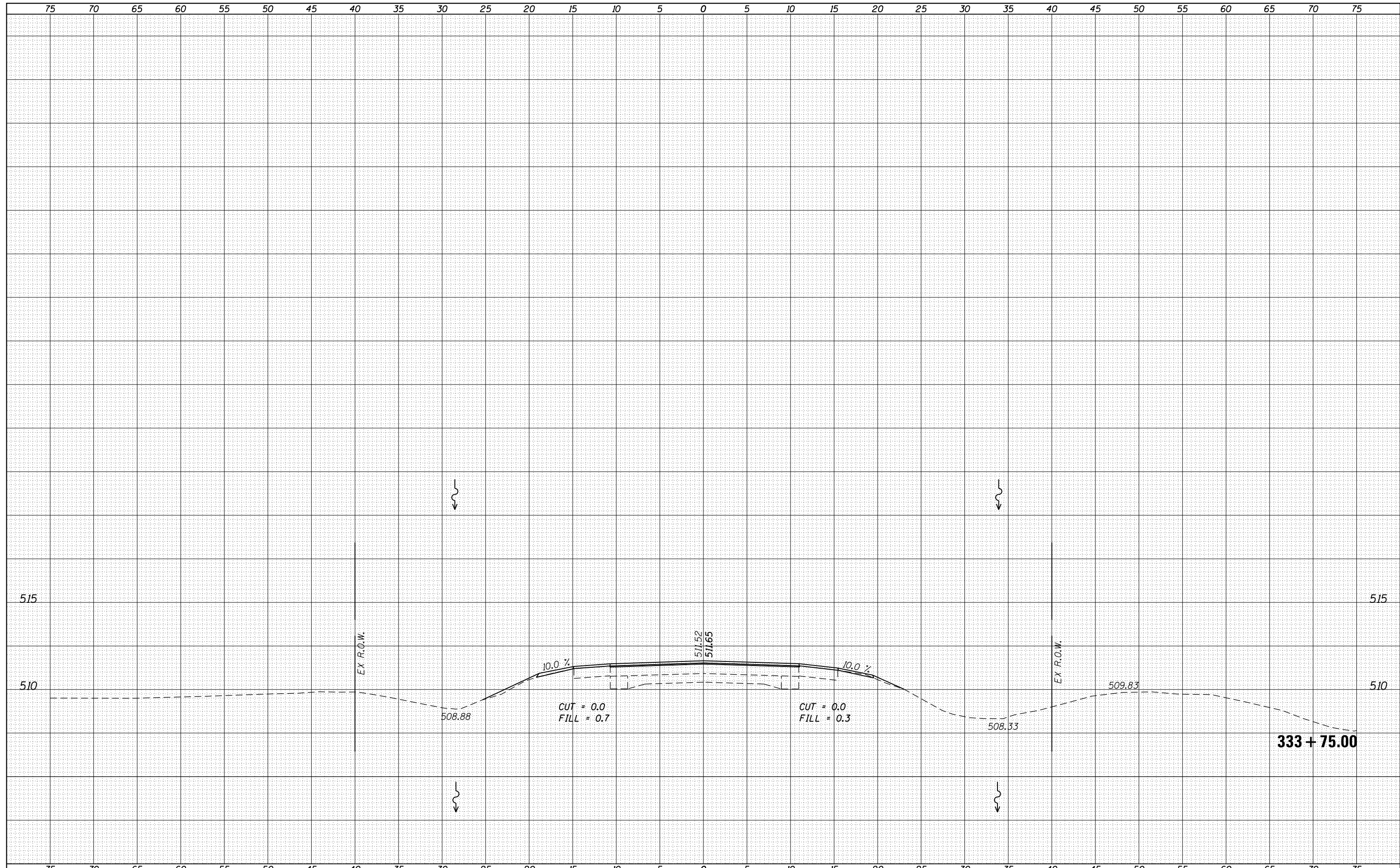
DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
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ORIGINAL SURVEY	SURVEYED
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NO.	TEMPLATE
	AREAS CHECKED



DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



FILE NAME =	USER NAME = Verenskifa	DESIGNED - RTS	REVISOR -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINLINE CROSS SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11084EBIDINTEG\Illinois.gov\PIDOT\Documents\IDOT Offices\District 6\Projects\0672883\CD\DRAWING\Drawings\0672883-sht-xsections3.dgn		DRAWN -	REVISOR -		315	123RS-6	MASON	66	66			
Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISOR -		SCALE: SHEET 26 OF 26 SHEETS STA. 333+75.00 TO STA. 333+75.00			CONTRACT NO. 72883				
	PLOT DATE = 2/3/2017	DATE - 11-09-2016	REVISOR -					ILLINOIS FED. AID PROJECT				