

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(3)CR-2517	KENDALL	37	1
		ILLINOIS	CONTRACT NO. 66E96	

P-93-023-16
D-93-051-16

INDEX OF SHEETS

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**PROPOSED
HIGHWAY PLANS**

**FAP ROUTE 311 (IL 71)
SECTION (3)CR-2517
PROJECT NHPP-86PA(944)
CULVERT REPLACEMENT
KENDALL COUNTY**

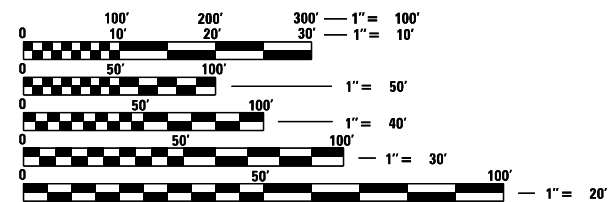
C-93-097-16



**FUNCTIONAL CLASSIFICATION
OTHER PRINCIPAL ARTERIAL**

2021 ADT = 6300
P.V. = 86.81% S.U. = 3.27% M.U. = 9.92%

FOR LIST OF STANDARDS, SEE SHEET NO. 2



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

**PROJECT ENGINEER: JOSEPH KANNEL, P.E.
UNIT CHIEF: DARCY MITCHELL
DISTRICT 3 NO. (815) 434-6131
CONTRACT NO. 66E96**



LOCATION MAP
N.T.S.

GROSS LENGTH = 700.00 FT. = 0.133 MILE
NET LENGTH = 700.00 FT. = 0.133 MILE

IMPROVEMENT ENDS
STA. 1001+50

PROPOSED S.N. 047-2584
PR 7' X 5' SINGLE CELL BOX CULVERT
STA. 998+00
EXISTING S.N. 047-2517
SINGLE CELL BOX CULVERT

IMPROVEMENT BEGINS
STA. 994+50

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED September 1, 2022

David Alford REGIONAL ENGINEER

October 14, 2022

Scott A. Elk ENGINEER OF DESIGN AND ENVIRONMENT

October 14, 2022

Stephen M. Smith DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				80% FED 20% STATE	
				SN 047-2517 (EX)	
				ROADWAY	
		0004		SN 047-2584	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1	
50200100	STRUCTURE EXCAVATION	CU YD	230	230	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	12890	12890	
50800530	MECHANICAL SPLICERS	EACH	53	53	
51500100	NAME PLATES	EACH	1	1	
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	940	940	
54003000	CONCRETE BOX CULVERTS	CU YD	63	63	
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	24	24	
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	250	250	
* 63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	FOOT	75	75	
* 63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	4	4	
63200310	GUARDRAIL REMOVAL	FOOT	272	272	
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	1400	1400	
* 66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	8	8	

*= SPECIALTY ITEM

NOTE: NAME - Deland
FILE NAME - p:\work\p\user\deland\DOT Documents\DOT - Offsets\Deland\DOT Documents\Change to Consultant File\0366E96-04-50003.dwg



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DRAWN - \$DRW\$	REVISED - \$REV2\$	
PLOT SCALE = 100.0000' / 1in.	CHECKED - \$CHK\$	REVISED - \$REV3\$
PLOT DATE = 8/31/2022	DATE - \$DATE\$	REVISED - \$REV4\$

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(3)ICR-2517	KENDALL	37	5
CONTRACT NO. 66E96				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				80% FED 20% STATE	
				SN 047-2517 (EX)	
				ROADWAY 0004	
		SN 047-2584			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3	
67100100	MOBILIZATION	L SUM	1	1	
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	4	4	
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1	
70106700	TEMPORARY RUMBLE STRIPS	EACH	12	12	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	4917	4917	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	588	588	
70300221	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	FOOT	1400	1400	
70300241	TEMPORARY PAVEMENT MARKING - LINE 6" - PAINT	FOOT	239	239	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	762.5	762.5	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	762.5	762.5	
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2	
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2	

NOTE: NAME - Deland
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USER NAME = Timothy.Fletsch	DESIGNED - \$DES\$	REVISED - \$REV1\$
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PLOT SCALE = 100.0000' / 1" =	CHECKED - \$CHK\$	REVISED - \$REV3\$
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**STATE OF ILLINOIS
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(3)CR-2517	KENDALL	37	6
			CONTRACT NO. 66E96	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				SN 047-2517 (EX)
			80% FED 20% STATE	ROADWAY
				0004
				SN 047-2584
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	2800	2800
* 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	478	478
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	12	12
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	8	8
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	12	12
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	272	272
X0900064	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	92	92
Z0022800	FENCE REMOVAL	FOOT	334	334
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	42	42

*= SPECIALTY ITEM

NOTE: NAME - Kendall - Deland
FILE NAME - p:\work\p2\summary\summary\DOT_Documents\DOT_Offices\Deland_3\Projects\0366E96\CAD\Drawings\Change to Consultant File\0366E96.dwg-30005.dwg



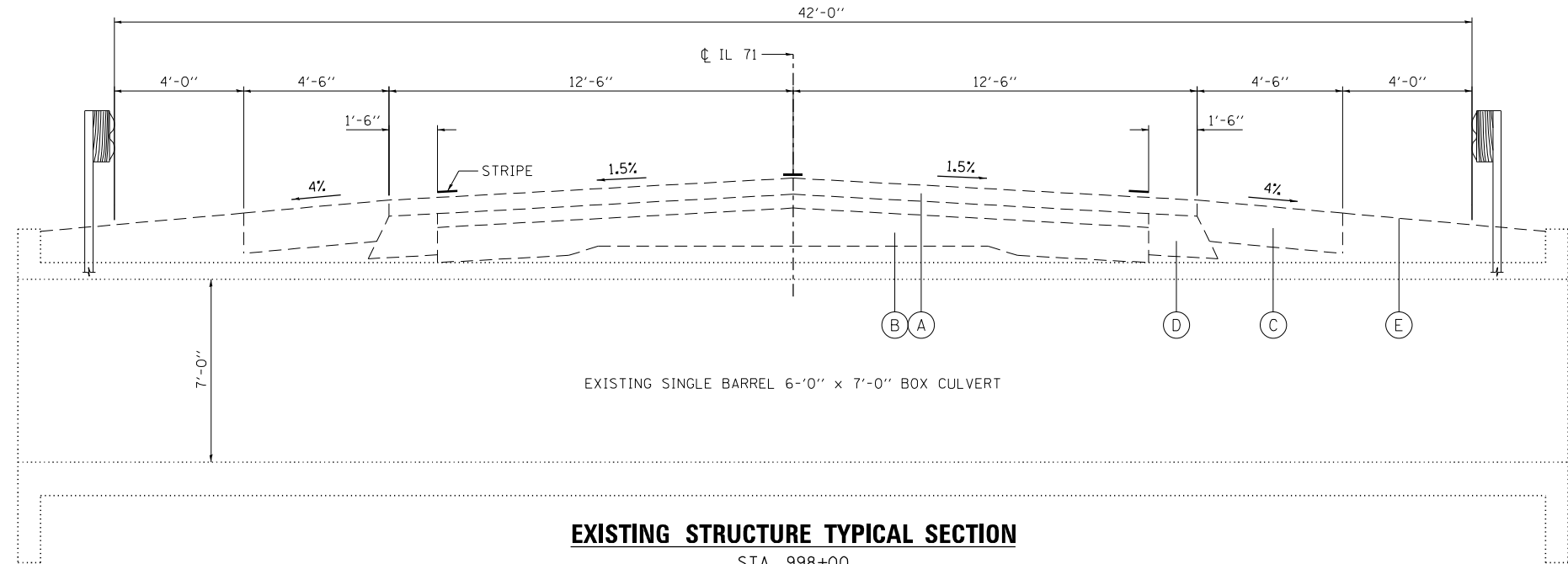
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PLOT SCALE = 100.0000' / 1in.	CHECKED - \$CHK\$	REVISED - \$REV3\$
PLOT DATE = 8/31/2022	DATE - \$DATE\$	REVISED - \$REV4\$

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

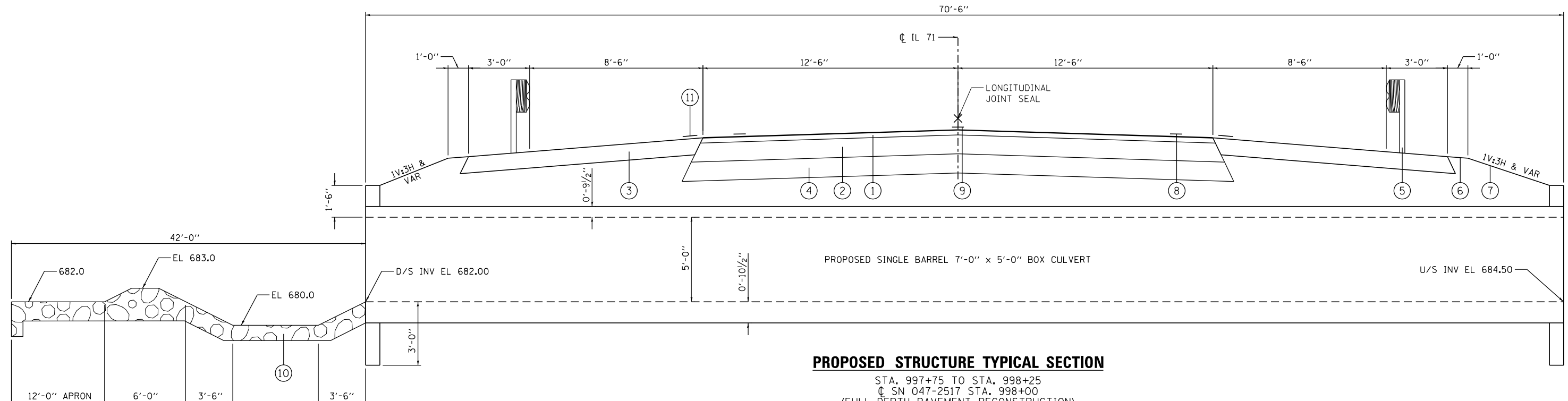
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311	(3)CR-2517	KENDALL	37	7
CONTRACT NO. 66E96				
ILLINOIS FED. AID PROJECT				



EXISTING STRUCTURE TYPICAL SECTION

STA. 998+00

- (A) ± 7-5/8" HMA OVERLAY
- (B) ± 9" PCC PAVEMENT
- (C) 6" HMA SHOULDER
- (D) 7" BITUMINOUS SHOULDER
- (E) AGGREGATE SHOULDER



PROPOSED STRUCTURE TYPICAL SECTION

STA. 997+75 TO STA. 998+25
 CL SN 047-2517 STA. 998+00
 (FULL-DEPTH PAVEMENT RECONSTRUCTION)

- (1) 1 1/2" HMA SURFACE COURSE
- (2) 8 3/4" HMA BINDER COURSE
- (3) 8" HMA SHOULDER
- (4) 6" SUBBASE GRANULAR MATERIAL, TYPE A
- (5) LONG-SPAN GUARDRAIL OVER CULVERT
- (6) EARTH SHOULDER
- (7) EROSION CONTROL BLANKET
- (8) PAINT PAVEMENT MARKING LINE 4" (WHITE)
- (9) PAINT PAVEMENT MARKING LINE 6" (YELLOW)
- (10) STONE RIPRAP, CLASS A5
- (11) RUMBLE STRIP

NOTE: \NAME - D:\and...
 FILE NAME - p:\p\user\p\user\p\DOT\Documents\DOT...

BLOOM COMPANIES, LLC
 Infrastructure. Distinguished. And. Dignity.
 159 N. Wacker Drive, Suite 1600 • Chicago, IL 60606
 Phone: (312) 876-9500 Fax: (312) 876-9853

USER NAME = Anthony.Grunsted	DESIGNED - \$DES\$	REVISED - \$REV1\$
DRAWN - \$DRW\$	REVISOR - \$REV2\$	
PLOT SCALE = 5.0000' / in.	CHECKED - \$CHK\$	REVISED - \$REV3\$
PLOT DATE = 8/30/22	DATE - \$DATE\$	REVISED - \$REV4\$

**STATE OF ILLINOIS
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TYPICAL SECTIONS
 SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(3)CR-2517	KENDALL	37	9
CONTRACT NO. 66E96			ILLINOIS FED. AID PROJECT	

SEEDING AND EROSION CONTROL												
LOCATION	OFFSET (LT/RT)	SEEDING, CLASS 2A (ACRE)	NITROGEN FERTILIZER NUTRIENT (LBS)	PHOSPHORUS FERTILIZER NUTRIENT (LBS)	POTASSIUM FERTILIZER NUTRIENT (LBS)	EROSION CONTROL BLANKET (SQ YD)	TEMPORARY EROSION CONTROL SEEDING (LBS)	TEMPORARY DITCH CHECKS (FT)	PERIMETER EROSION BARRIER (FT)	STONE RIPRAP, CLASS A4 (SQ YD)	STONE RIPRAP, CLASS A5 (SQ YD)	FILTER FABRIC (SQ YD)
STA 995+90.00	LT							10				
STA 995+90.00	RT							10				
STA 994+50.00 TO STA 998+00.00	LT	0.29	27	27	27	1359	58					
STA 994+50.00 TO STA 998+00.00	RT	0.21	19	19	19	996	42					
STA 996+33.16 TO STA 997+81.76	LT								146			
STA 996+90.00	LT							10				
STA 996+90.00	RT							10				
STA 997+82.00 TO STA 998+18.00	LT									192		192
STA 997+89.00 TO STA 998+11.00	RT								69			69
STA 997+90.00	LT							10				
STA 997+90.00	RT							10				
STA 998+00.00 TO STA 1001+50.00	LT	0.18	17	17	17	863	36					
STA 998+00.00 TO STA 1001+50.00	RT	0.16	15	15	15	744	32					
STA 998+10.00	LT							10				
STA 998+10.00	RT							10				
STA 998+18.29 TO STA 999+84.45	LT								167			
STA 999+10.00	LT							10				
STA 999+10.00	RT							10				
STA 1000+10.00	LT							10				
STA 1000+10.00	RT							10				
TOTAL		0.84	78	78	78	3962	168	120	313	69	192	261

PAVEMENT AND SHOULDERS														
LOCATION	OFFSET (LT/RT)	Length	SUB GRAN MAT, TY A 6" (SQ YD)	MIX CR, JTS, FLGWY (TON)	HMA BINDER CSE, IL-19.0, N50 (TON)	HMA SURF CSE, MIX "D", N70 (TON)	BIT MAT (TACK COAT) (POUND)	AGG WEDGE SHLDR, TYPE B (TON)	HMA SHLDR REM, 6" (SQ YD)	EARTH EX, 2" (SHLDR) (CU YD)	HMA SHLDR 8" (SQ YD)	SHLDR RUMBLE STRIPS, 8" FOOT	LJS (FT)	TEMP RAMPS (SQ YD)
STA 994+50. TO STA 997+75.	LT/RT	325		0.3		76	406						325.0	13.0
STA 994+50. TO STA 996+31.58	RT	181.58				8	41	9.0	90.8	5.0	90.8	182	181.6	
STA 994+50. TO STA 996+79.99	LT	229.99				10	52	11.0	115.0	6.4	115.0	230	230.0	
STA 996+31.8 TO STA 999+19.37	RT	287.57					17		118.8	6.6	385.0	288	287.6	
STA 996+79.92 TO STA 999+69.46	LT	289.54					17		119.8	6.7	377.1	290	289.5	
STA 997+75. TO STA 998+25.	LT/RT	50	189		69	12	94						50.0	
STA 998+25. TO STA 1001+50.	LT/RT	325		0.3		76	406						325.0	13.0
STA 999+19.44 TO STA 1001+50.	RT	230.56				10	52	11.0	115.3	6.4	115.3	231	230.6	
STA 999+69.43 TO STA 1001+50.	LT	180.57				8	5	9.0	90.3	5.0	90.3	181	180.6	
TOTALS			189.0	0.6	69.0	197.9	1089.5	40.0	649.9	36.1	1173.5	1400	2099.8	26.0

PAVEMENT MARKINGS										
LOCATION	OFFSET (LT/RT)	PAINT PAVEMENT MARKING - LINE 4" (WHITE) (FT)	PAINT PAVEMENT MARKING - LINE 6" (YELLOW) (FT)	RAISED REFLECTIVE PAVEMENT MARKER (EACH)	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL (EACH)	SHORT TERM PAVEMENT MARKING (FOOT)	SHORT TERM PAVEMENT MARKING REM (SQ FT)	TEMPORARY PAVEMENT MARKING - LINE 4" (FOOT)	TEMPORARY PAVEMENT MARKING - LINE 6" (FOOT)	PAVEMENT MARKING REM - WATERBLASTING (SQ FT)
STA 992+97.00 TO STA 1002+53.00	LT/RT		478	12	12	717	120		239	42
STA 994+50.00 TO STA 1001+50.00	LT	1400				2100	234	700		
STA 994+50.00 TO STA 1001+50.00	RT	1400				2100	234	700		230
TOTAL		2800	478	12	12	4917	588	1400	239	272

NOTE: ADDITIONAL QUANTITY HAS BEEN INCLUDED TO ALLOW FOR SEPARATE APPLICATIONS OF PAINT PAVEMENT MARKING LINE.

ROADSIDE ITEMS		
LOCATION	OFFSET (LT/RT)	FURNISHING AND ERECTING ROW MARKERS (EACH)
995+50.00	56.17' LT	1
996+00.00	58.32' RT	1
996+50.00	85.00' LT	1
996+50.00	70.00' RT	1
999+00.00	85.00' LT	1
999+50.00	70.00' RT	1
1000+00.00	52.16' LT	1
1000+00.00	58.87' RT	1
TOTAL		8

NOTE: NAME - Detail - Pavement Quantities - IADT - Office of Roadway Construction - Chicago, IL 60606



USER NAME = brandon.criss
 DESIGNED - \$DES\$
 DRAWN - \$DRW\$
 PLOT SCALE = 100.0000' / 1"
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 DATE - \$DATE\$

REVISED - \$REV1\$
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

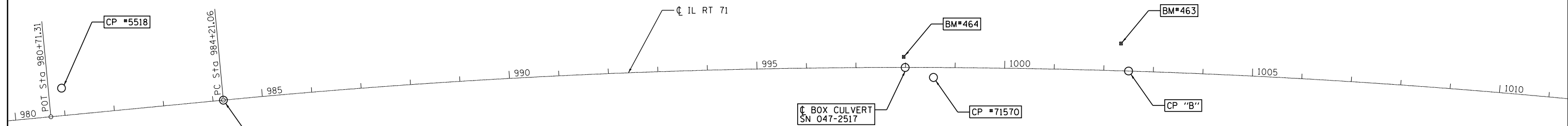
SCHEDULE OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(3)ICR-2517	KENDALL	37	11
CONTRACT NO. 66E96				
ILLINOIS FED. AID PROJECT				



PI Sta 1010+32.71

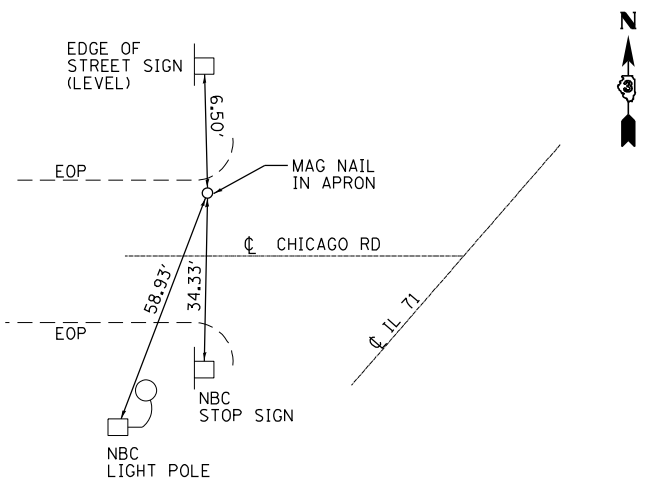


EXIST. CURVE SN47-2517
 PI STA. = 1010+32.71
 $\Delta = 20^\circ 40' 45''$ (RT)
 $D = 0^\circ 24' 01''$
 $R = 14,314.74'$
 $T = 2,611.65'$
 $L = 5,166.48'$
 $E = 236.29'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. \text{ RUN} = \text{-----}$
 P.C. STA. = 984+21.06
 P.T. STA. = 1035+87.54

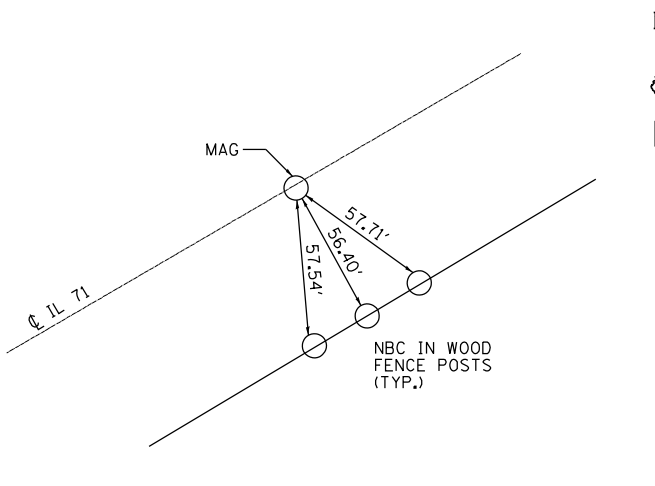
ALIGNMENT COORDINATES - IL RT 71			
	STATION	N	E
POT	980+71.31	1,776,700.5339	920,211.6276
PC	984+21.06	1,777,035.7266	920,311.4677
PI	1010+32.71	1,779,538.7042	921,057.0008
PT	1035+87.54	1,772,949.3798	934,030.5569

BENCHMARKS

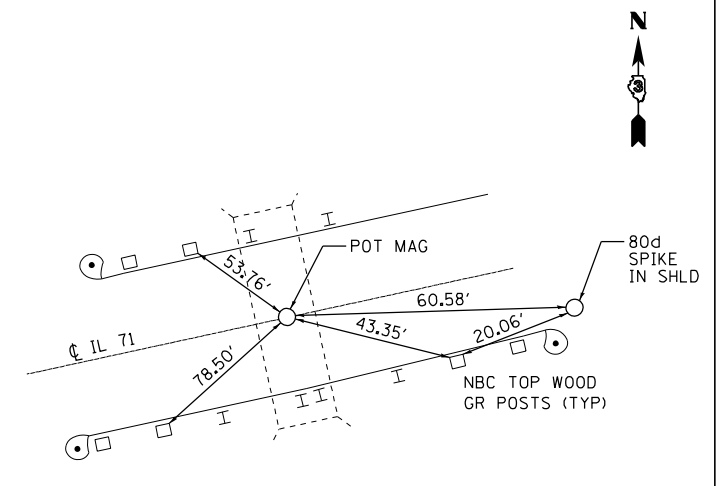
- BM*463 RR SPIKE IN 12" DIAM. TREE
 STA. 1002+33.11, 55.07' LT
 ELEV. 697.413
- BM*464 CUT SQUARE ON TOP OF SOUTHWEST CORNER
 OF NORTH BOX CULVERT HEADWALL
 STA. 997+96.17, 21.31' LT
 ELEV. 692.062



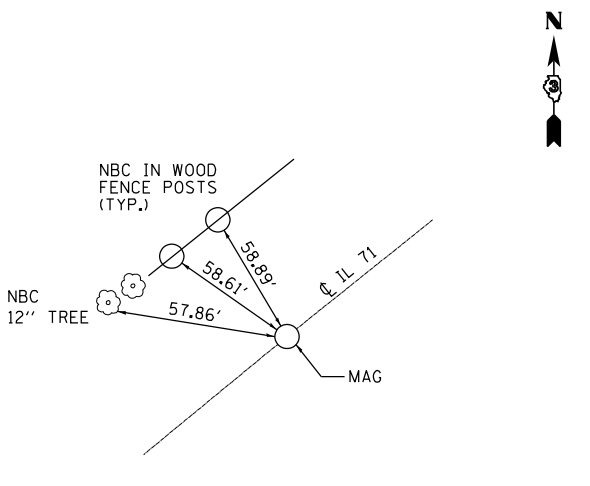
CONTROL POINT #5518
 STA 980+98.18, 55.42' LT



CONTROL POINT "A"
 PC STA 984+21.06



CONTROL POINT #71570
 CP 71570 STA 998+56.28, 20.02' RT
 EX. BOX CULVERT SN 047-2517 STA 997+99.10



CONTROL POINT "B"
 POC STA 1002+50.00

NOTE: NAME - Detail; FILE NAME - p:\projects\p2\m11\11\DOT\Documents\DOT_Offices\District_3\Projects\0356E96\CD\Drawings\Changes to Consultant File\0356E96-st-AT-B.dwg



USER NAME = Anthony.Grunsted
 PLOT SCALE = 200.0000' / in.
 PLOT DATE = 8/30/22

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LEGEND

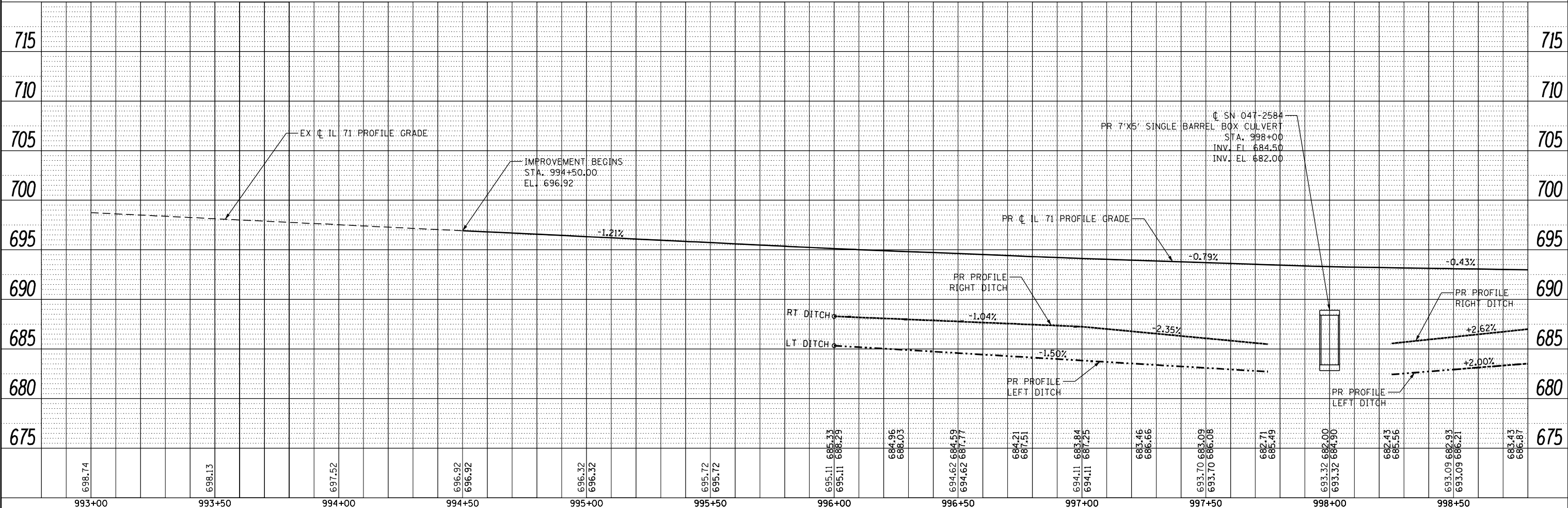
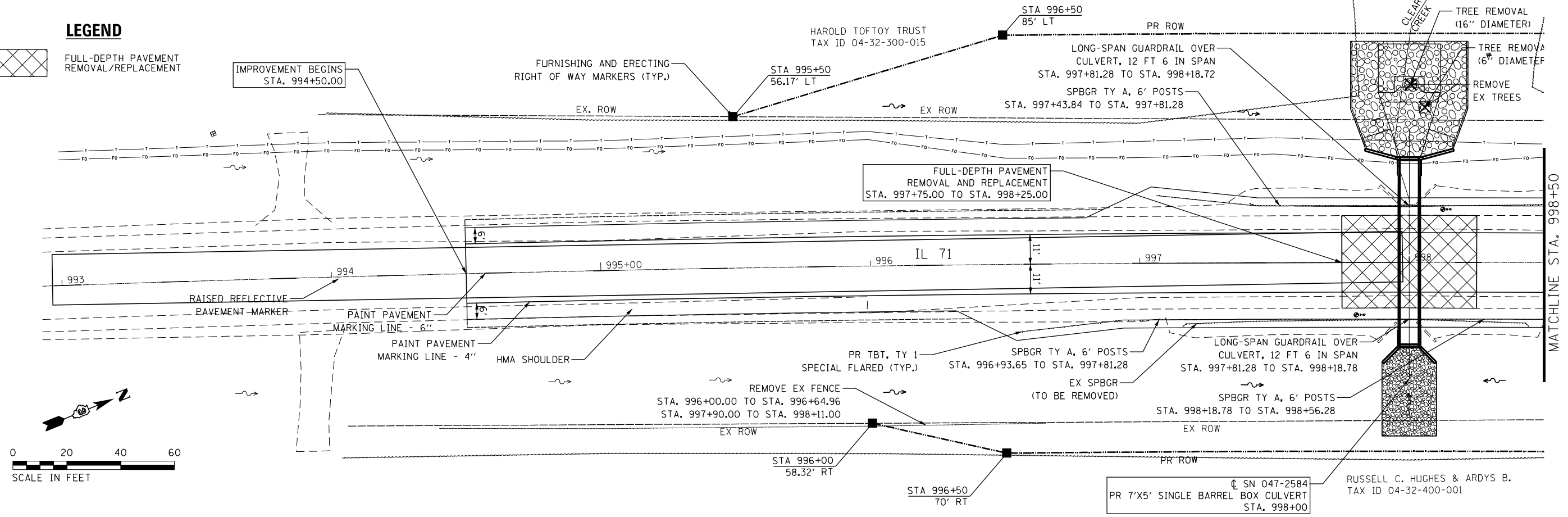


FULL-DEPTH PAVEMENT REMOVAL/REPLACEMENT

IMPROVEMENT BEGINS STA. 994+50.00

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	



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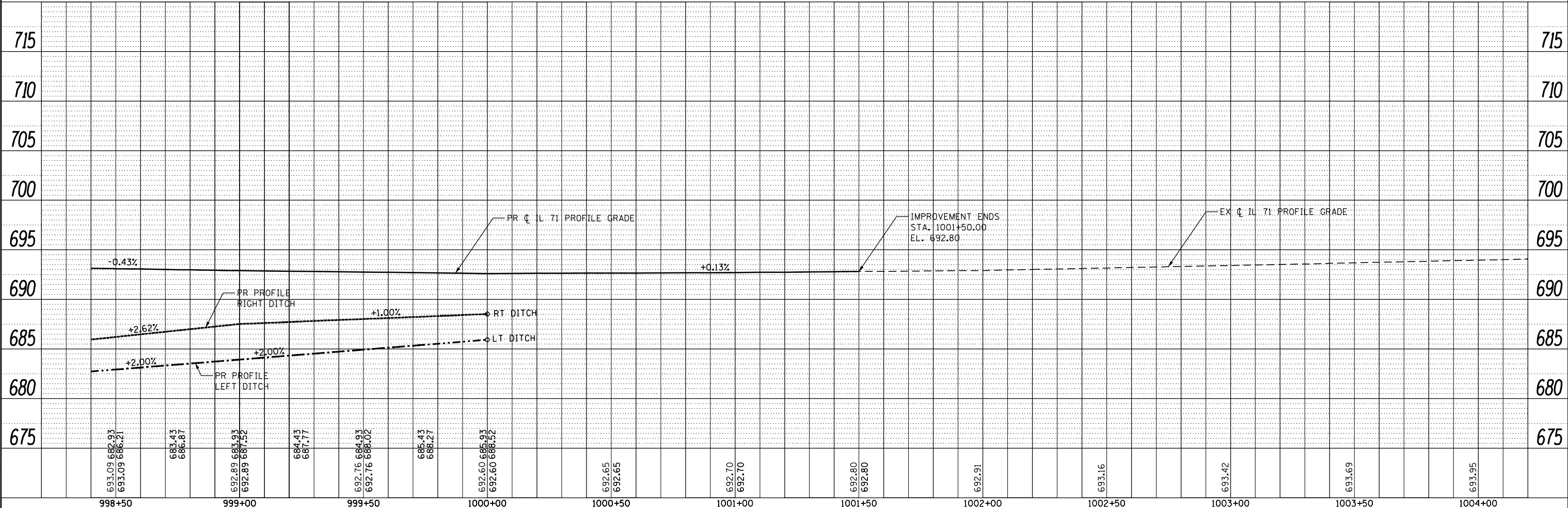
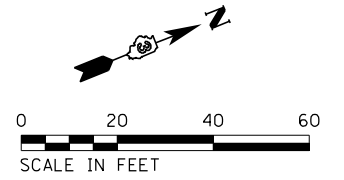
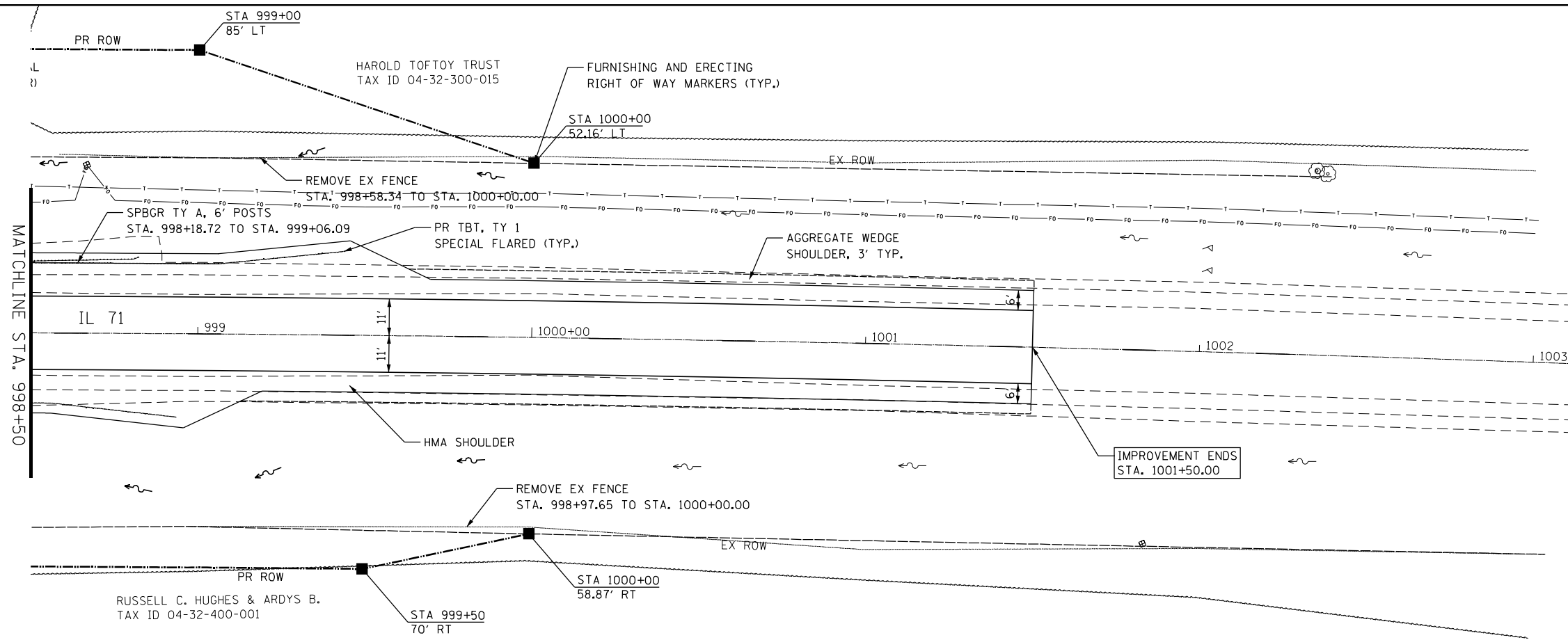
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN & PROFILE	
SCALE:	SHEET OF SHEETS STA. TO STA.

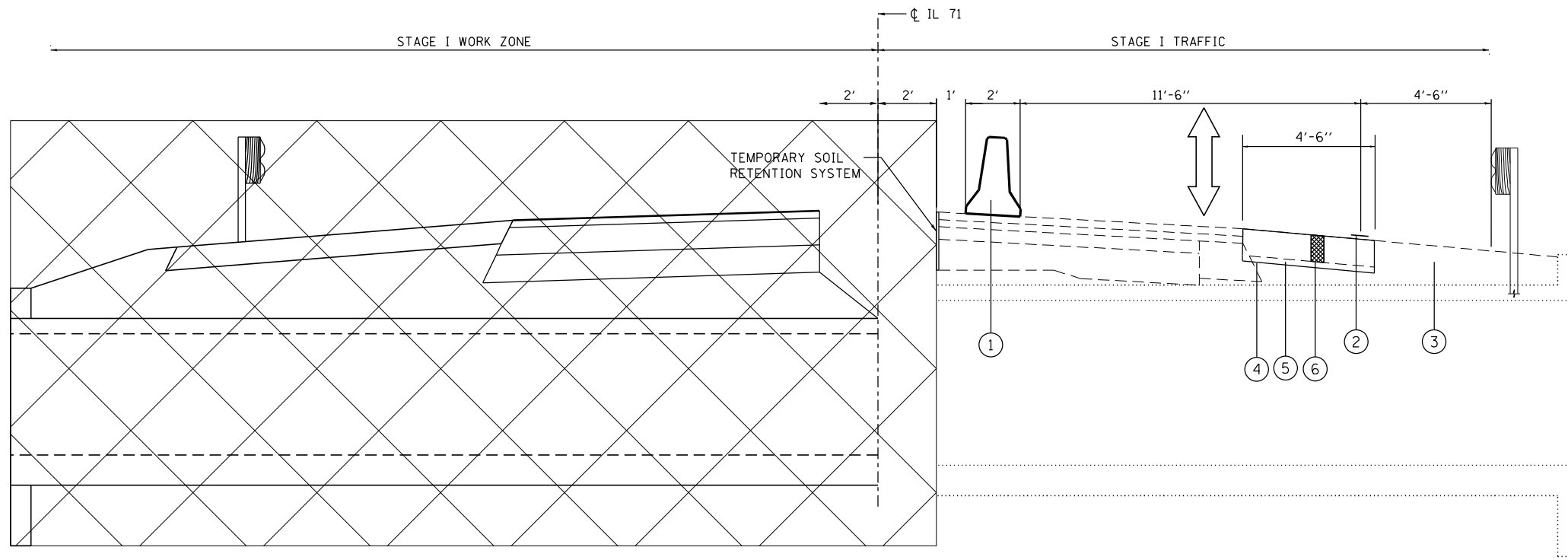
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(3)CR-2517	KENDALL	37	13
CONTRACT NO. 66E96				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	



<p>BLOOM COMPANIES, LLC Infrastructure Development and Engineering 150 N. Wacker Drive, Suite 1600 • Chicago, IL 60606 Phone: (312) 678-6500 Fax: (312) 678-9800</p>	USER NAME = Anthony.Grunsted	DESIGNED - \$DES*	REVISED - \$REV1*	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN & PROFILE			F.A.P. RTE. 311	SECTION (3)CR-2517	COUNTY KENDALL	TOTAL SHEETS 37	SHEET NO. 14	
	PLOT SCALE = 40.0000' / in.	CHECKED - \$CHK*	REVISED - \$REV2*		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 66E96					
	PLOT DATE = 8/30/22	DATE - \$DATE*	REVISED - \$REV3*		ILLINOIS FED. AID PROJECT								
			REVISED - \$REV4*										

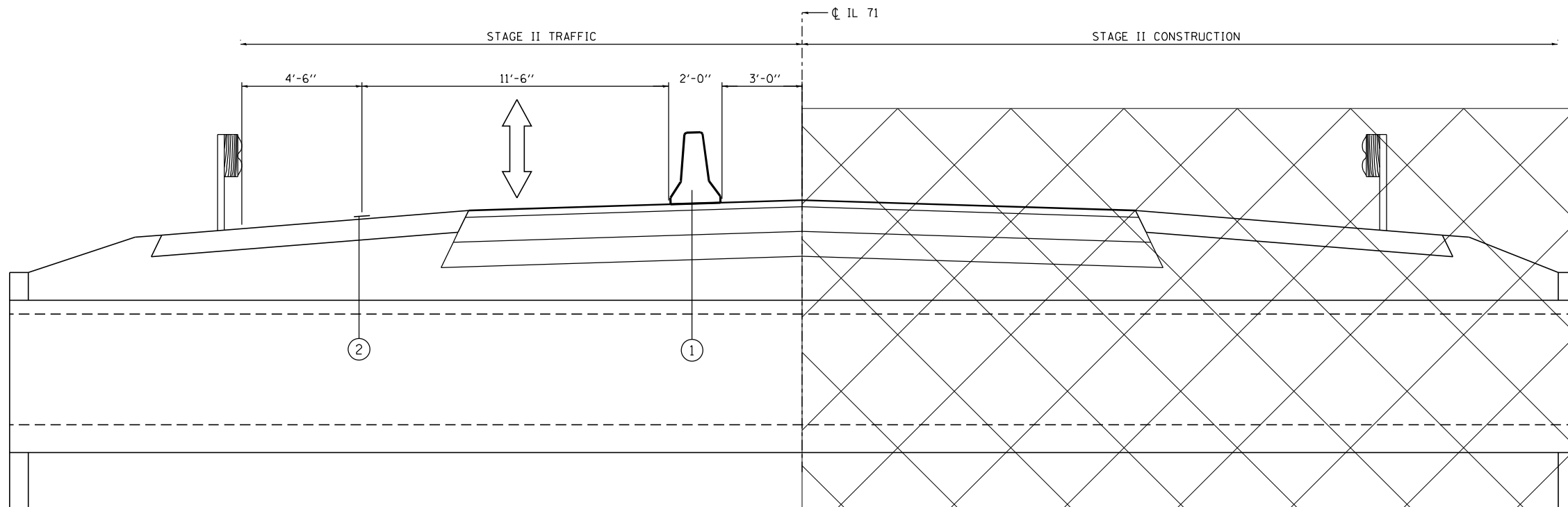


STAGE I TYPICAL SECTION

- ① TEMPORARY CONCRETE BARRIER
- ② TEMPORARY PAVEMENT MARKING - LINE 4"
- ③ EXISTING SHOULDER

PRESTAGE CONSTRUCTION (BOTH SIDES)

- ④ 8" HMA SHOULDER
- ⑤ 2" EXCAVATION
- ⑥ 6" PAVED SHOULDER REMOVAL



STAGE II TYPICAL SECTION



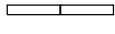

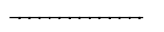








- ① TEMPORARY CONCRETE BARRIER
- ② TEMPORARY PAVEMENT MARKING - LINE 4"

NOTE: NAME - Detail; FILE NAME - p:\users\puzanby\com\p\DOT_Documents\DOT_Offices\Driford_3\Projects\0356E9B5C4D0D9A\Drawings\Changes to Consultant File\0356E9B5-04-14-19-09.dwg

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(3)CR-2517	KENDALL	37	15
CONTRACT NO. 66E96				
ILLINOIS FED. AID PROJECT				

LEGEND

-  WORK ZONE
-  SIGN
-  TEMPORARY CONCRETE BARRIER
-  DRUM W/ STEADY BURNING LIGHT
-  DRUM W/ STEADY BURNING LIGHT AND EDGE LINE
-  TYPE III BARRICADE W/ FLASHING LIGHTS
-  TEMPORARY TRAFFIC SIGNAL WITH BACKPLATE AND TEMPORARY TRAFFIC SIGNAL POST
-  TC 26 MICROWAVE DETECTOR
-  TEMPORARY IMPACT ATTENUATOR
-  TRAFFIC DIRECTION
-  TEMPORARY RUMBLE STRIPS
-  TEMPORARY SOIL RETENTION SYSTEM
-  DOUBLE VERTICAL PANELS

PRE-STAGE I CONSTRUCTION:

- REMOVE 6" SHOULDERS AND REPLACE WITH 8" SHOULDERS ON BOTH SIDES USING STANDARD 701326.

PRE-STAGE I TRAFFIC:

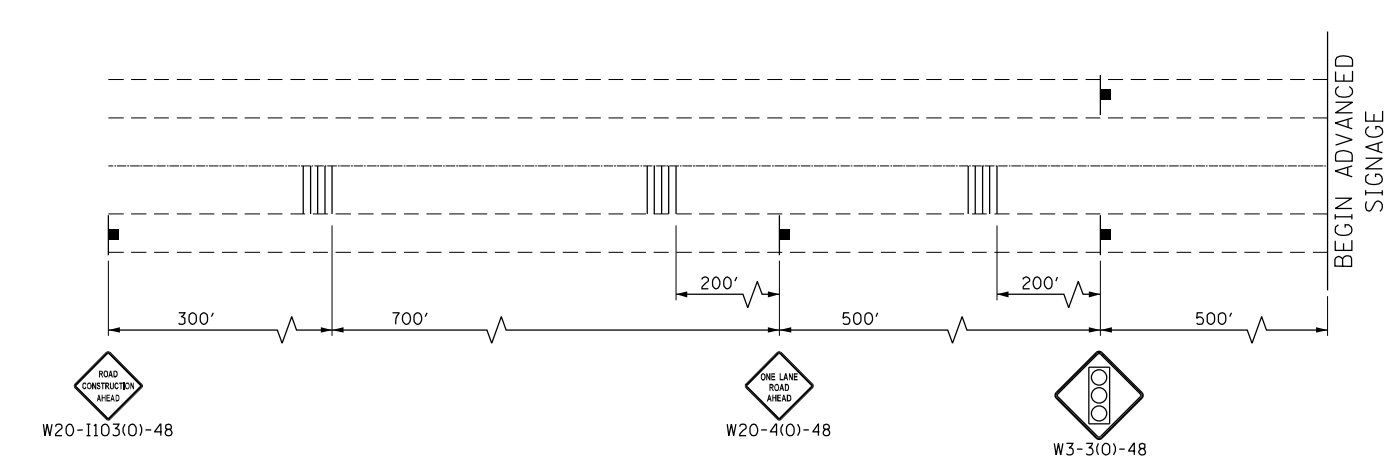
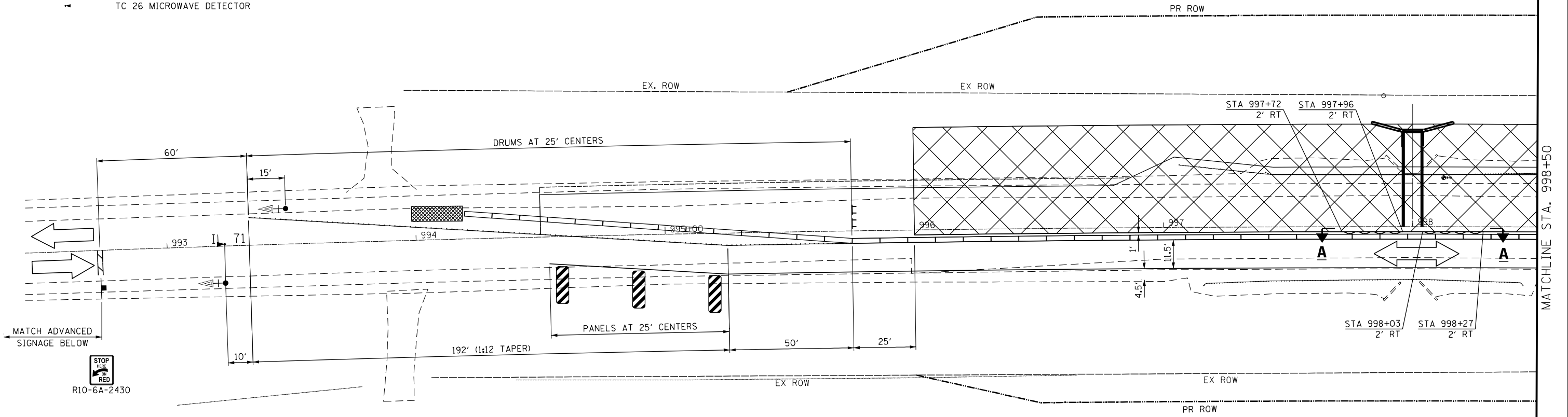
- INSTALL ALL TEMPORARY TRAFFIC CONTROL ITEMS REQUIRED FOR STAGE I TRAFFIC AND ADVANCE SIGNS
- REMOVE ALL PAVEMENT MARKINGS AND COVER ANY EXISTING SIGNS THAT CONFLICT WITH STAGE I TRAFFIC

STAGE I TRAFFIC:

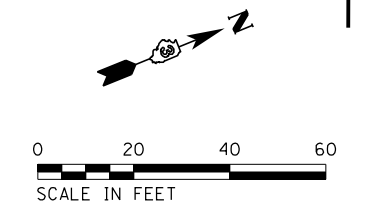
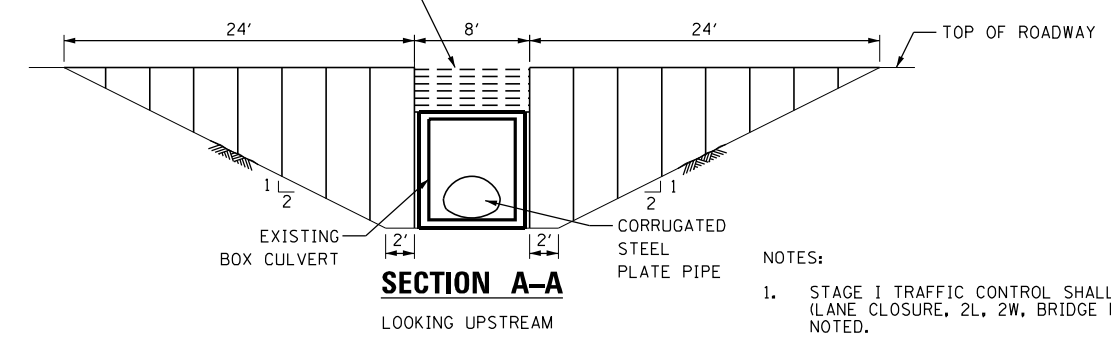
- ACTIVATE TEMPORARY TRAFFIC SIGNALS TO ALLOW ONLY ONE WAY TRAFFIC THROUGH PROJECT LIMITS. WHEN TRAFFIC SIGNALS ARE NOT IN OPERATION, FLAGGERS SHALL BE USED AND TRAFFIC CONTROL SHALL CONFORM TO IDOT STANDARD 701201 OR 701206

STAGE I CONSTRUCTION:

- REMOVE EXISTING GUARDRAIL AND ANY ROADSIDE ITEMS THAT CONFLICT WITH PROPOSED IMPROVEMENTS WITHIN STAGE I WORK ZONE
- REMOVE EXISTING PAVEMENT FOR CONSTRUCTION OF CULVERT WITHIN STAGE I WORK ZONE
- REMOVE EXISTING CULVERT, HEADWALL AND WINGWALLS WITHIN STAGE I WORK ZONE
- CONSTRUCT PROPOSED BOX CULVERT AND ANY ASSOCIATED ITEMS
- CONSTRUCT NEW PAVEMENT, SHOULDERS AND REGRADE SLOPES AND DITCHES ADJACENT TO ROADWAY WORK
- INSTALL PROPOSED GUARDRAIL
- MILL & OVERLAY REMAINING PAVEMENT OUTSIDE OF STAGE I WORK ZONE UTILIZING IDOT STANDARDS 701311 (LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY) AND 701326 (LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH)
- INSTALL TEMPORARY PAVEMENT MARKINGS FOR STAGE II CONSTRUCTION



METHOD OF SOIL RETENTION ABOVE CULVERT TO BE DETERMINED BY CONTRACTOR.



NOTES:

- STAGE I TRAFFIC CONTROL SHALL CONFORM TO IDOT STANDARD 701321 (LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER), UNLESS OTHERWISE NOTED.
- ALL TEMPORARY TRAFFIC CONTROL SIGNS AND TEMPORARY PAVEMENT MARKINGS REQUIRED FOR STAGE I INCLUDED IN COST OF TRAFFIC CONTROL AND PROTECTION, STANDARD 701321.
- TYPE III BARRICADES TO BE PLACED AS SHOWN WHEN NO WORK IS BEING PERFORMED.
- THE EDGE OF THE TEMPORARY SIGNAL HEAD SHALL BE BETWEEN 2 FEET AND 6 FEET FROM EDGE OF SHOULDER.

ADVANCED SIGNAGE

NOTE: NAME - Detail - 10/12/2011 10:58:56 AM; FILE NAME - p:\projects\2011\11-03-11\11-03-11-01\11-03-11-01.dwg; PROJECT - I-55/US-52 Interchange; DRAWN BY - J. G. ...

BLOOM COMPANIES, LLC
 Infrastructure, Construction and Signage
 159 N. Wacker Drive, Suite 1600 • Chicago, IL 60606
 Phone: (312) 876-9500 Fax: (312) 876-9850

USER NAME = Anthony.Grunsted	DESIGNED - \$DES\$	REVISED - \$REV1\$
	DRAWN - \$DRW\$	REVISED - \$REV2\$
PLOT SCALE = 40.0000' / in.	CHECKED - \$CHK\$	REVISED - \$REV3\$
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

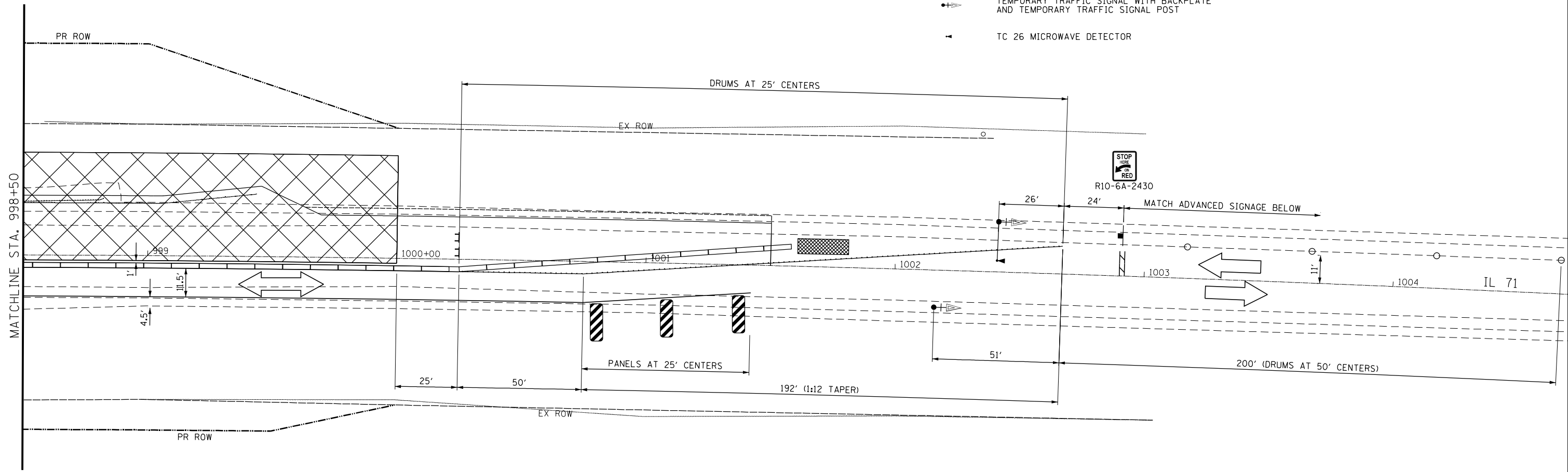
STAGE CONSTRUCTION TRAFFIC CONTROL SN 047-2517			
STAGE I PLAN			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(3)ICR-2517	KENDALL	37	16
CONTRACT NO. 66E96				
ILLINOIS FED. AID PROJECT				



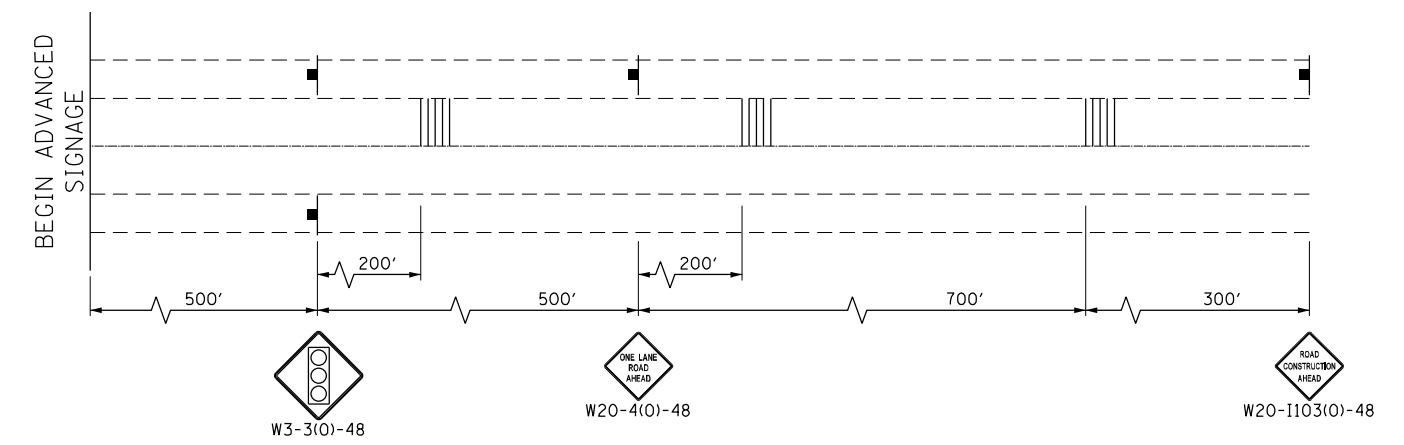
LEGEND

- WORK ZONE
- SIGN
- TEMPORARY CONCRETE BARRIER
- DRUM W/ STEADY BURNING LIGHT
- DRUM W/ STEADY BURNING LIGHT AND EDGE LINE
- TYPE III BARRICADE W/ FLASHING LIGHTS
- TEMPORARY TRAFFIC SIGNAL WITH BACKPLATE AND TEMPORARY TRAFFIC SIGNAL POST
- TC 26 MICROWAVE DETECTOR
- TEMPORARY IMPACT ATTENUATOR
- TRAFFIC DIRECTION
- TEMPORARY RUMBLE STRIPS
- TEMPORARY SOIL RETENTION SYSTEM
- DOUBLE VERTICAL PANELS



NOTES:

1. STAGE I TRAFFIC CONTROL SHALL CONFORM TO IDOT STANDARD 701321 (LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER), UNLESS OTHERWISE NOTED.
2. ALL TEMPORARY TRAFFIC CONTROL SIGNS AND TEMPORARY PAVEMENT MARKINGS REQUIRED FOR STAGE I INCLUDED IN COST OF TRAFFIC CONTROL AND PROTECTION, STANDARD 701321.
3. TYPE III BARRICADES TO BE PLACED AS SHOWN WHEN NO WORK IS BEING PERFORMED.
4. THE EDGE OF THE TEMPORARY SIGNAL HEAD SHALL BE BETWEEN 2 FEET AND 6 FEET FROM EDGE OF SHOULDER.



ADVANCED SIGNAGE

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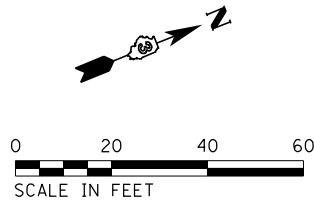
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PLOT DATE = 8/30/22	DATE - \$DATE\$	REVISED - \$REV4\$

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION TRAFFIC CONTROL SN 047-2517
STAGE 1 PLAN**

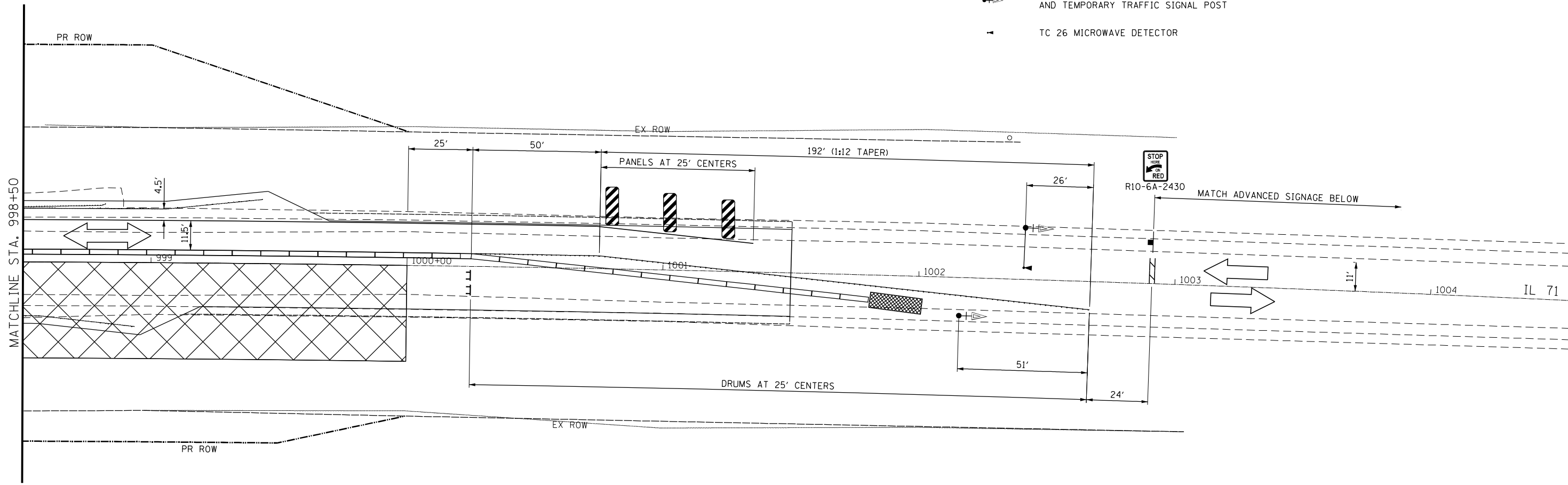
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CONTRACT NO. 66E96				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



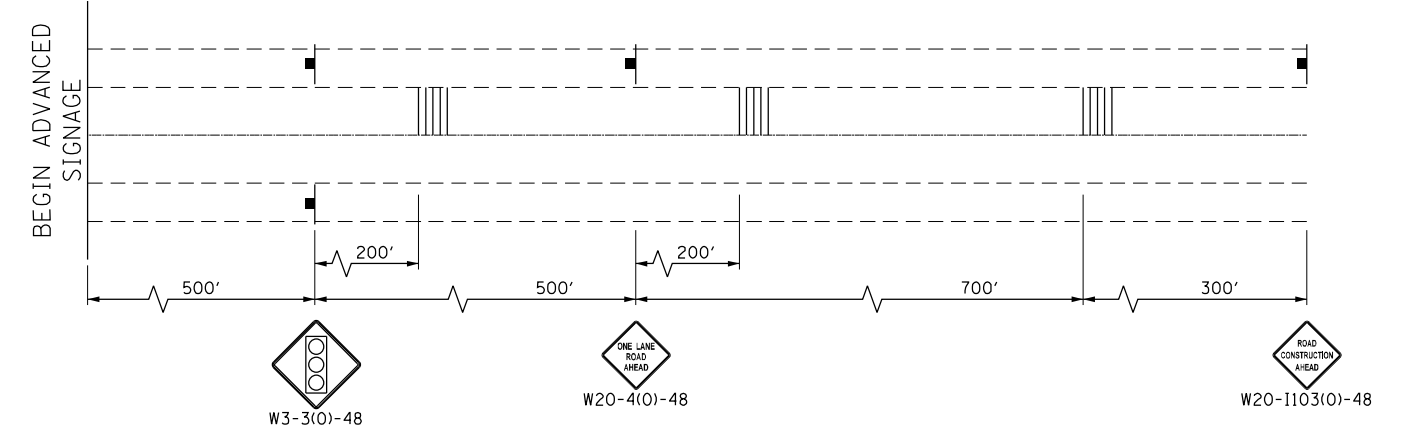
LEGEND

- WORK ZONE
- SIGN
- TEMPORARY CONCRETE BARRIER
- DRUM W/ STEADY BURNING LIGHT
- DRUM W/ STEADY BURNING LIGHT AND EDGE LINE
- TYPE III BARRICADE W/ FLASHING LIGHTS
- TEMPORARY TRAFFIC SIGNAL WITH BACKPLATE AND TEMPORARY TRAFFIC SIGNAL POST
- TC 26 MICROWAVE DETECTOR
- TEMPORARY IMPACT ATTENUATOR
- TRAFFIC DIRECTION
- TEMPORARY RUMBLE STRIPS
- DOUBLE VERTICAL PANELS



NOTES:

1. STAGE II TRAFFIC CONTROL SHALL CONFORM TO IDOT STANDARD 701321 (LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER), UNLESS OTHERWISE NOTED.
2. ALL TEMPORARY TRAFFIC CONTROL SIGNS AND TEMPORARY PAVEMENT MARKINGS REQUIRED FOR STAGE II INCLUDED IN COST OF TRAFFIC CONTROL AND PROTECTION, STANDARD 701321.
3. TYPE III BARRICADES TO BE PLACED AS SHOWN WHEN NO WORK IS BEING PERFORMED.
4. THE EDGE OF THE TEMPORARY SIGNAL HEAD SHALL BE BETWEEN 2 FEET AND 6 FEET FROM EDGE OF SHOULDER.



ADVANCED SIGNAGE

NOTE: NAME - Detail; FILE NAME - p:\work\proj\sn047-2517\Documents\DOT - Office\Drawings\Projects\0366E96\CD\Drawings\Changes to Consultant\Final\0366E96-stg2-stg2.dwg



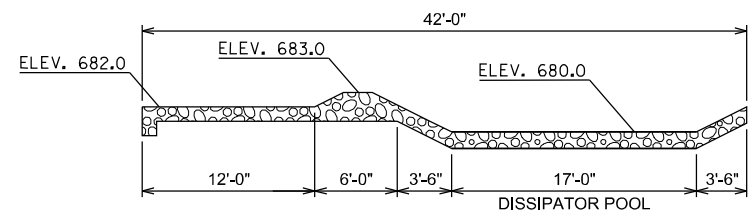
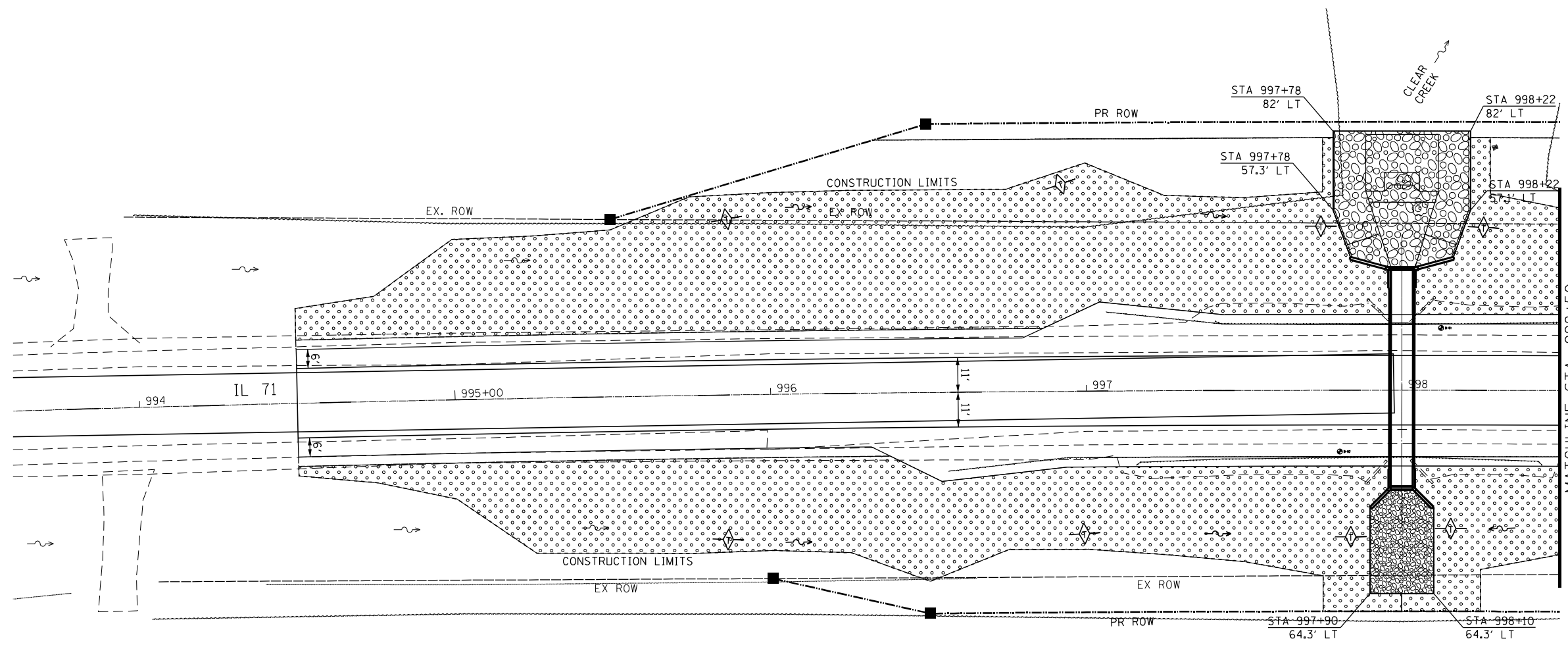
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PLOT DATE = 8/30/22	DATE - \$DATE\$	REVISED - \$REV4\$

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION TRAFFIC CONTROL SN 047-2517
STAGE 2 PLAN**






SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(3)CR-2517	KENDALL	37	19
CONTRACT NO. 66E96				
ILLINOIS FED. AID PROJECT				

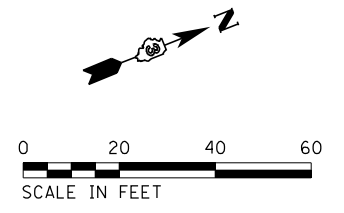


DOWNSTREAM RIPRAP

LEGEND

-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER
-  TEMPORARY EROSION CONTROL SEEDING, EROSION CONTROL BLANKET & SEEDING, CLASS 2A
-  STONE RIPRAP, CLASS A4 & FILTER FABRIC
-  STONE RIPRAP, CLASS A5 & FILTER FABRIC

- NOTES:**
- ALL SEDIMENT AND EROSION CONTROL SYSTEMS SHALL BE CONSTRUCTED WITHIN THE RIGHT-OF-WAY OR PROPOSED RIGHT-OF-WAY.
 - ALL SEDIMENT AND EROSION CONTROL SYSTEMS SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EACH 1/2" OR GREATER RAIN EVENT.
 - ALL TEMPORARY DITCH CHECKS SHALL BE PLACED AT 100' SPACING UNLESS OTHERWISE NOTED.



NOTE: NAME - Detail; Path: \\p1\share\pub\hwy\dot\Documents\DOT_Offices\District_3\Projects\03566565\CADD\03566565.ctb; User: anthony.grunsted



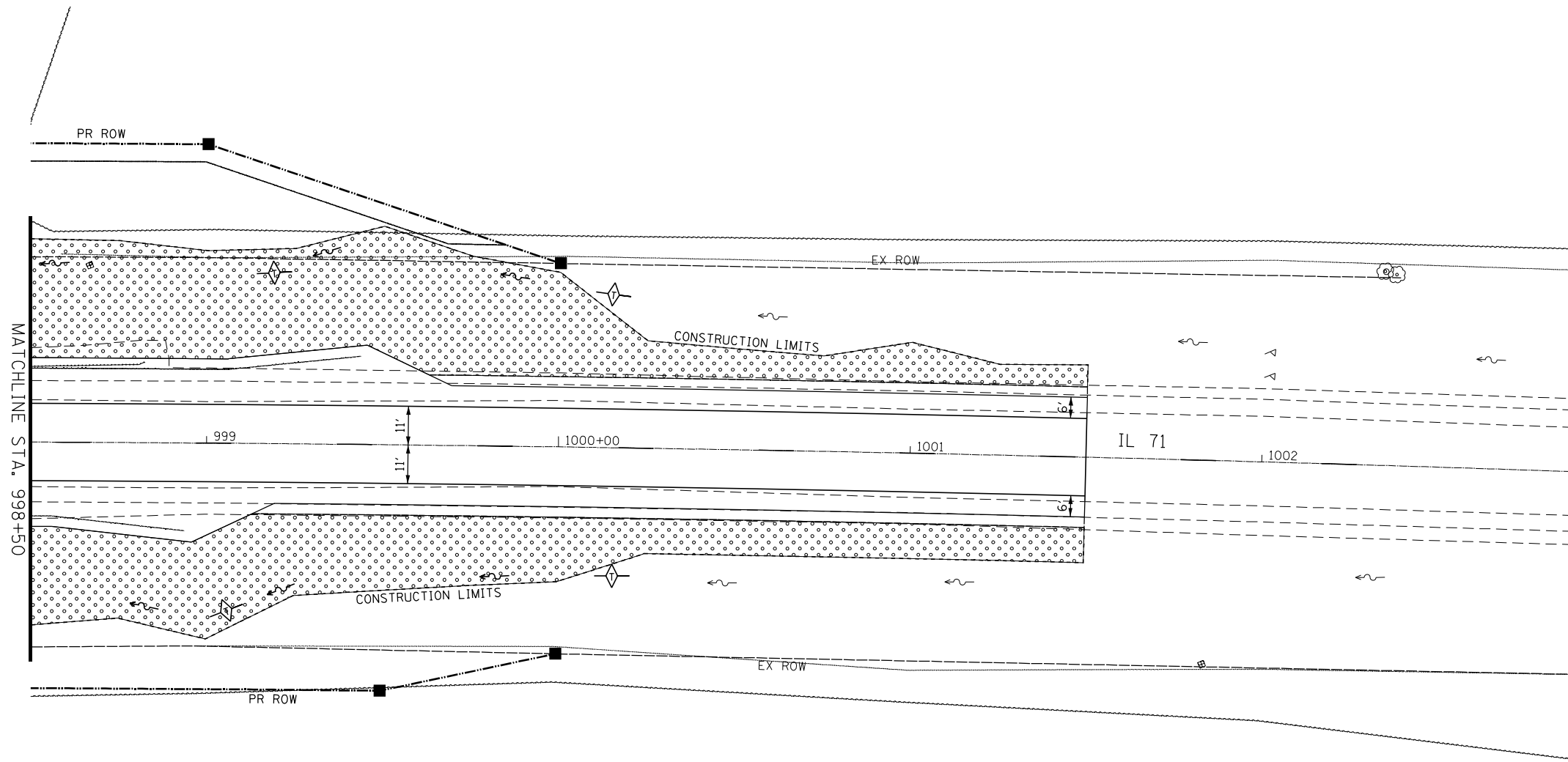
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PLOT DATE = 8/30/22	DATE - \$DATE\$	REVISED - \$REV4\$

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



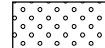


EROSION CONTROL PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

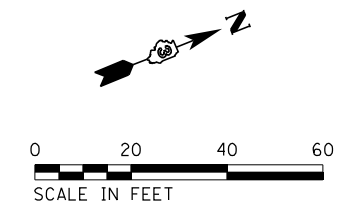
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311	(3)ICR-2517	KENDALL	37	20
CONTRACT NO. 66E96				
ILLINOIS FED. AID PROJECT				



LEGEND

-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER
-  TEMPORARY EROSION CONTROL SEEDING,
EROSION CONTROL BLANKET & SEEDING, CLASS 2A
-  STONE RIPRAP, CLASS A4
& FILTER FABRIC
-  STONE RIPRAP, CLASS A5
& FILTER FABRIC

- NOTES:**
1. ALL SEDIMENT AND EROSION CONTROL SYSTEMS SHALL BE CONSTRUCTED WITHIN THE RIGHT-OF-WAY OR PROPOSED RIGHT-OF-WAY.
 2. ALL SEDIMENT AND EROSION CONTROL SYSTEMS SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EACH 1/2" OR GREATER RAIN EVENT.
 3. ALL TEMPORARY DITCH CHECKS SHALL BE PLACED AT 100' SPACING UNLESS OTHERWISE NOTED.



NOTE: NAME - Detail - p:\Users\puzbenky.com\p\DOT Documents\DOT - Offices\District 3\Projects\0366E96\CD\Drawn\Changes to Consultant File\0366E96-03-01-02.dwg
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	DRAWN - \$DRW\$	REVISED - \$REV2\$
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PLOT DATE = 8/30/22	DATE - \$DATE\$	REVISED - \$REV4\$

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN

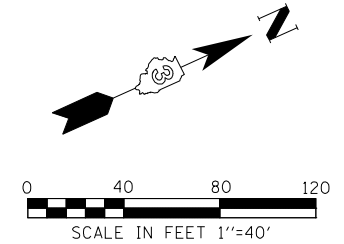
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(3)CR-2517	KENDALL	37	21
CONTRACT NO. 66E96				
ILLINOIS FED. AID PROJECT				

SOUTHEAST 1/4 OF SEC. 32, T. 36 N., R. 6 E., 3RD P.M.

EXIST. CURVE SN47-25171
 PI STA. = 1010+32.71 N=1,779,538.704 E=921,057.002
 $\Delta = 20^\circ 40' 45''$ (RT)
 D = $0^\circ 24' 01''$
 R = 14,314.74'
 T = 2,611.65'
 L = 5,166.48'
 E = 236.29'
 P.C. STA. = 984+21.06 N=1,777,035.727 E=920,311.468
 P.T. STA. = 1035+87.54 N=1,781,617.147 E=922,638.391

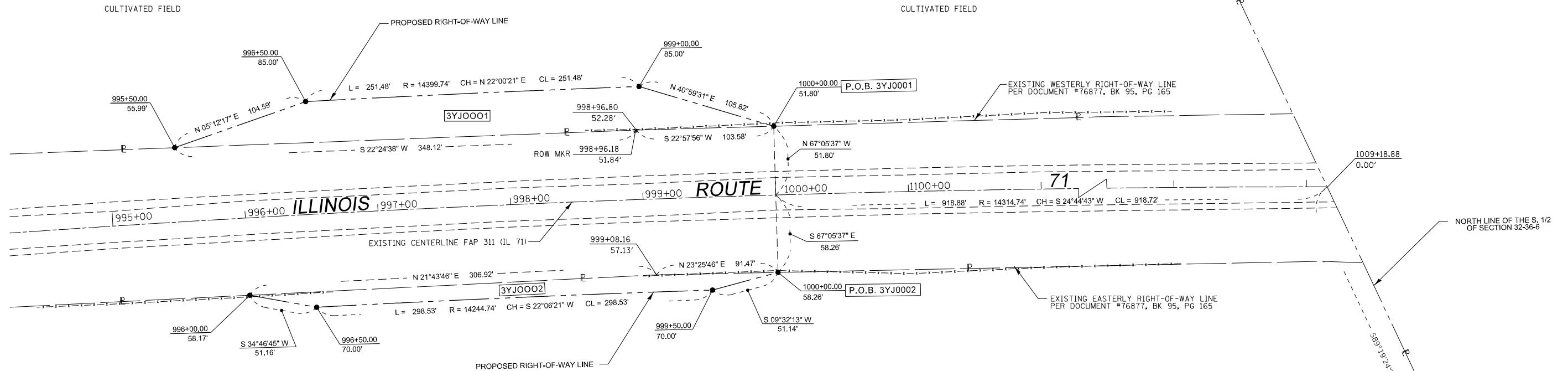
N.W. COR. OF THE S.W. 1/4 SEC. 32, T. 36 N., R. 6 E., 3RD P.M.
 MONUMENT RECORD NO. 78-813, SET NEW TIES
 MONUMENT RECORD NO. 202200003466
 FOUND CHISELED LIMESTONE



BASIS OF BEARING: ILLINOIS STATE PLANE COORDINATES NAD 83 (2011 ADJ.)
 COORDINATES SHOWN HEREON: ILLINOIS STATE PLANE COORDINATES NAD 83 (2011 ADJ.)

PARCEL 3YJ0001

TOTAL HOLDING = 83.660 AC. +/-
 TOTAL R.O.W. REQUIRED = 0.259 AC. +/- 11,284 SQ.FT. +/-
 REMAINDER = 83.401 AC. +/-



PARCEL 3YJ0002

TOTAL HOLDING = 111.980 AC. +/-
 TOTAL R.O.W. REQUIRED = 0.095 AC. +/- 4,155 SQ.FT. +/-
 REMAINDER = 111.885 AC. +/-

SURVEYOR'S CERTIFICATE

I, KEITH W. STODDARD, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS. THAT THE SURVEY OF F.A.P. 311 (IL 72) WAS MADE BY ME OR UNDER MY DIRECTION, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



BY Keith W. Stoddard
 KEITH W. STODDARD, ILLINOIS PROFESSIONAL
 LAND SURVEYOR NO. 35-3122 (EXPIRES NOV. 2022)

DATED 7-18-22

SURVEYORS NOTES:

- TOTAL HOLDING AREAS SHOWN HEREON WERE OBTAINED FROM THE KENDALL COUNTY GIS WEB SITE.
- TOTAL R.O.W. REQUIRED AREAS BASED ON GROUND DISTANCES
- GRID TO GROUND COMBINED FACTOR = 1.000021080
- 3/4" REBAR WITH A YELLOW PLASTIC CAP SET AT ALL PROPOSED RIGHT-OF-WAY CORNERS.

N.E. COR. OF THE S.E. 1/4 SEC. 32, T. 36 N., R. 6 E., 3RD P.M.
 MONUMENT RECORD NO. 202200003466
 FOUND RAILROAD SPIKE
 NORTHING: 1,779,362.215
 EASTING: 921,804.201
 P.O.C. 3YJ0001, & 3YJ0002

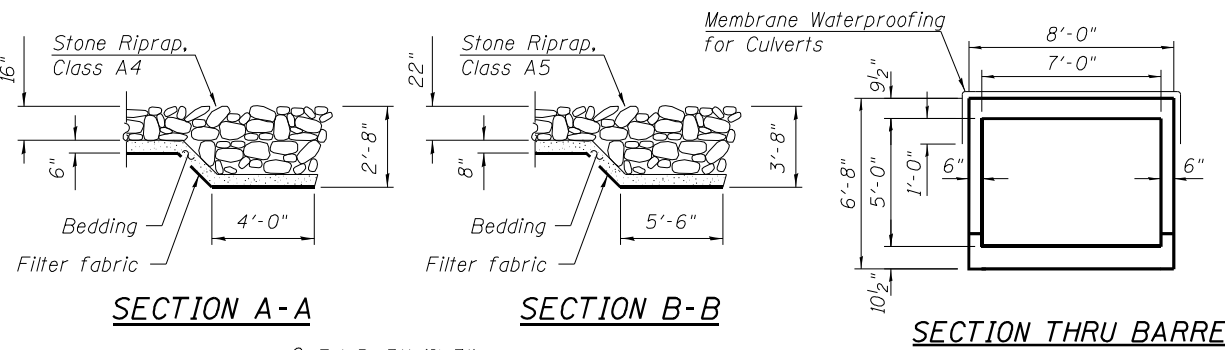
USER NAME = KSTODDARD	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAT OF HIGHWAYS		F.A.P. RTE. 311	SECTION (3)CR-2517	COUNTY KENDALL	TOTAL SHEETS 37	SHEET NO. 22
PLOT SCALE = 1" = 40'	CHECKED - _____	REVISED - _____		PROJECT ILLINOIS 71	JOB NO. R-93-003-17	SCALE: 1"=40'	SHEET 2 OF 2 SHEETS	STA. 995+50 TO STA. 1000+00	CONTRACT NO. 66E96	
PLOT DATE = 3/11/2022	DATE - _____	REVISED - _____		ILLINOIS 71		ILLINOIS FED. AID PROJECT				

Benchmark: Chiseled "C" top south corner of existing headwall Sta. 997+96.17, 21.31' LT
R.R. spike in 12" diameter tree Sta. 1002+33.11 55.07' LT

Existing Structure: The existing structure (S.N. 047-2517) is a 48 ft long, 6' x 7' concrete box culvert that crosses IL-71 approximately 1,169 ft southwest of Hughes Rd. The existing structure was built in 1943 and was lined with a corrugated steel pipe as a protective measure in 2016. The existing structure is to be removed and replaced with a new concrete box structure. IL-71 will remain open during culvert construction.

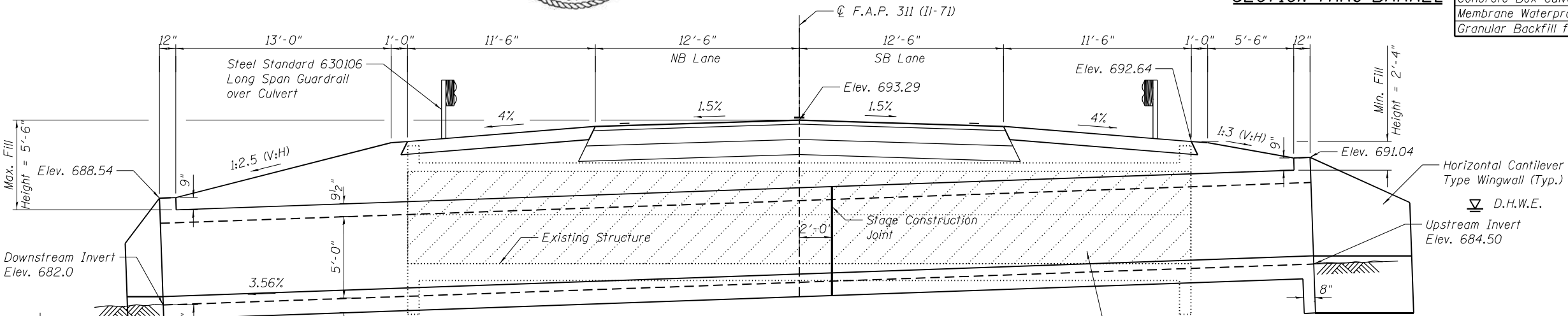
No Salvage

Use of a precast alternate will not be allowed.



TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Stone Riprap, Class A4	Sq Yd	69
Stone Riprap, Class A5	Sq Yd	192
Filter Fabric	Sq Yd	261
Removal of Existing Structures	Each	1
Structure Excavation	Cu Yd	230
Reinforcement Bars, Epoxy Coated	Pound	12,890
Bar Splicers	Each	53
Name Plates	Each	1
Temporary Soil Retention System	Sq Ft	940
Concrete Box Culverts	Cu Yd	63
Membrane Waterproofing System For Buried Structures	Sq Yd	92
Granular Backfill for Structures	Cu Yd	24



LOADING HL-93

Allow 50 #/sq ft for future wearing surface

DESIGN STRESSES

$f'_c = 3,500$ psi (cast-in-place concrete)
 $f_y = 60,000$ psi (reinforcement)

DESIGN SPECIFICATIONS

2014 AASHTO LRFD Bridge Design Specifications, 7th Ed. with 2015 Interim Revisions

HIGHWAY CLASSIFICATION

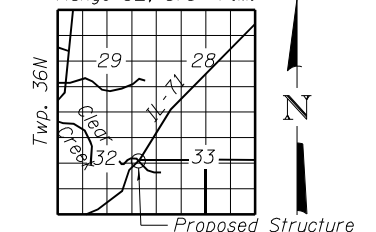
IL-71
Functional Class: Other Arterial
ADT: 6,850 (2015)
ADTT: 343 (2015)
Posted Speed: 55
Design Speed: 55

CLEAR CREEK
BUILT BY
STATE OF ILLINOIS
SEC. (3)CR-2517
F.A.P. 311 STA. 998+00
S.N. 047-2584 LOADING HL-93

NAME PLATE

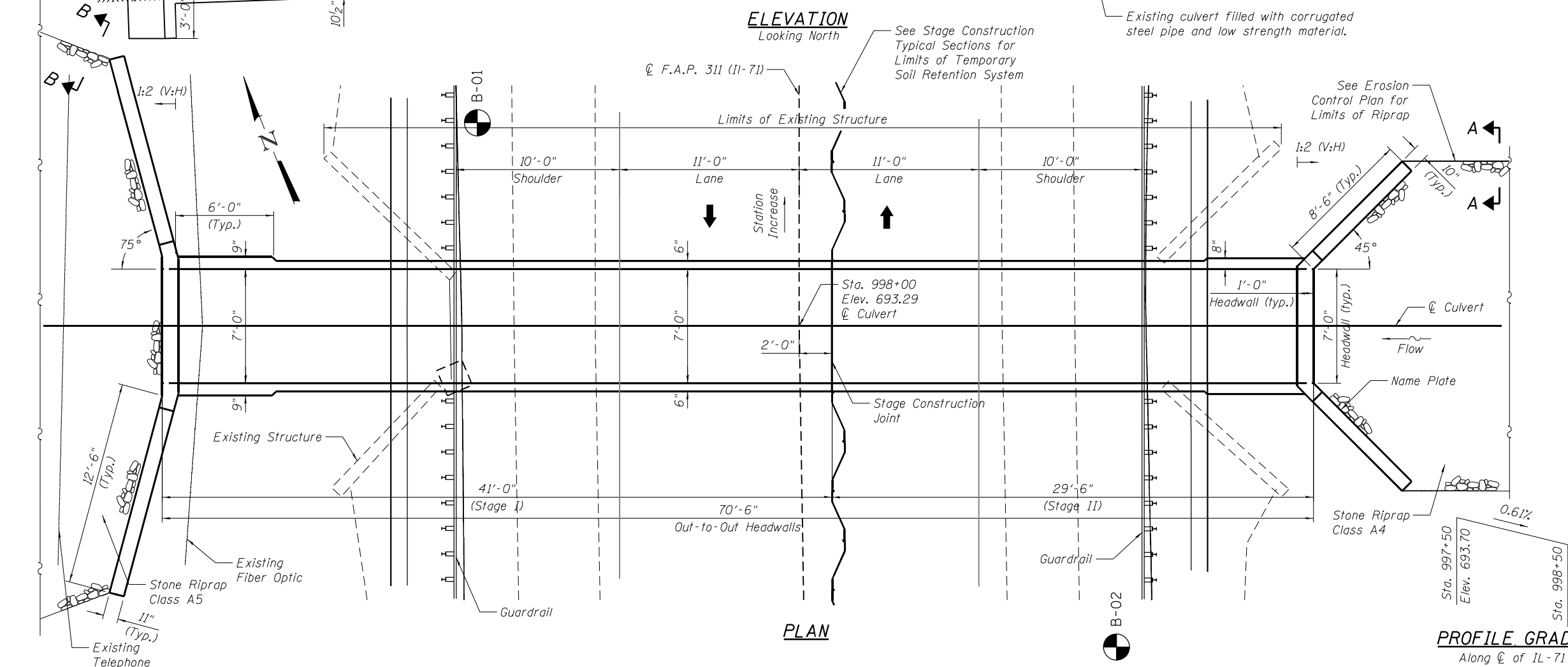
See Std. 515001-03

Range 6E, 3rd- P.M.



GENERAL PLAN AND ELEVATION

IL-71 OVER CLEAR CREEK
SEC. (3)CR-2517
KENDALL COUNTY
STATION 998+00



PROFILE GRADE

Along C of IL-71

NOTE: NAME - Clear Creek
 FILE NAME - F:\311\311-047-2584\Drawings\CADD_Sheets\047-2517-66E-93-001.GPJ
 DATE - 8/30/2022

BLOOM COMPANIES, LLC
Infrastructure Design and Signage
159 N. Wacker Drive, Suite 1600 • Chicago, IL 60606
Phone: (312) 876-9500 Fax: (312) 876-9803

USER NAME = tborges	DESIGNED - JA	REVISED -
PLOT SCALE = 7.4914' / 1"	CHECKED - RJO	REVISED -
PLOT DATE = 8/30/2022	DRAWN - JA	REVISED -
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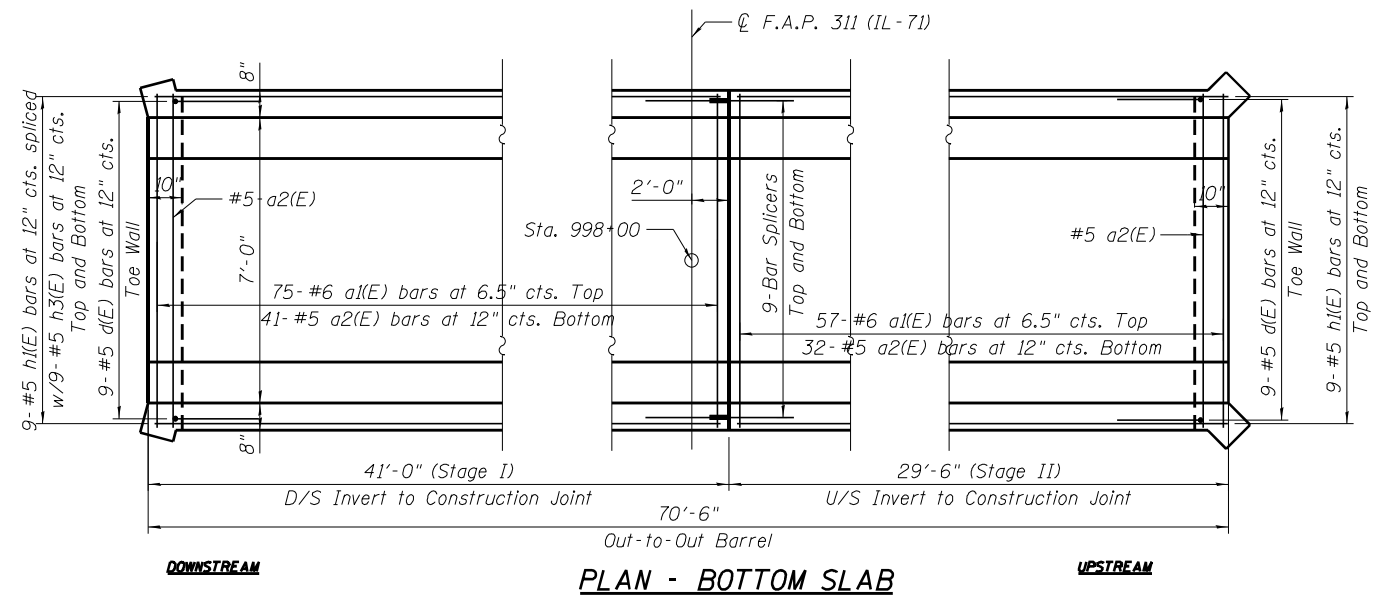
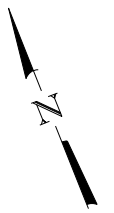
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
PROPOSED STRUCTURE NO. 047-2584

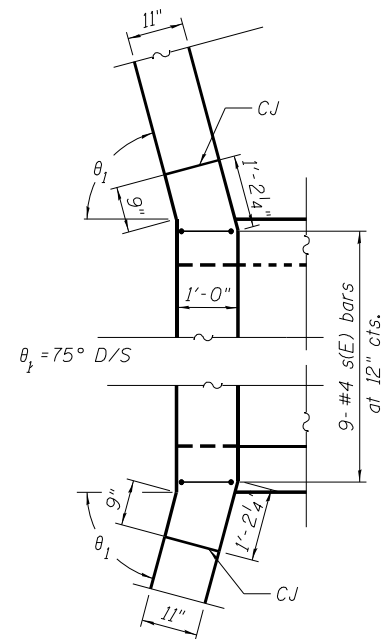
SHEET NO. 1 OF 4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(3)CR-2517	KENDALL	37	23
CONTRACT NO. 66E96				

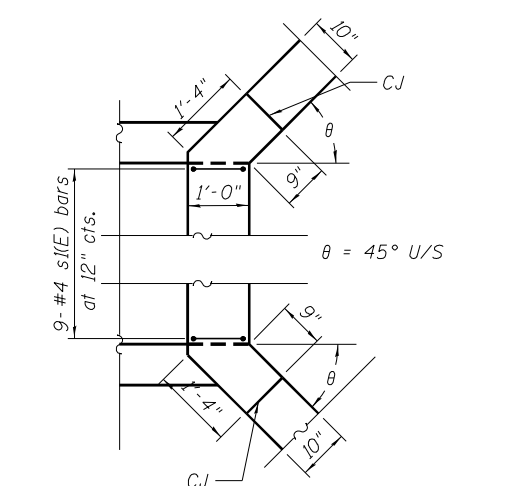
ILLINOIS FED. AID PROJECT



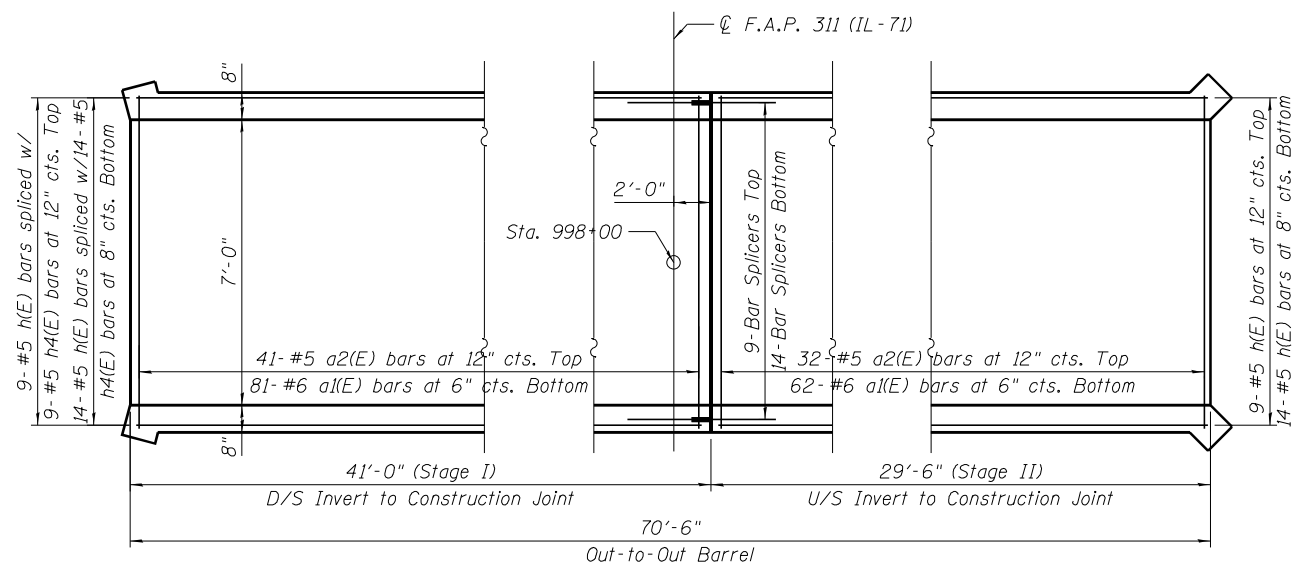
PLAN - BOTTOM SLAB



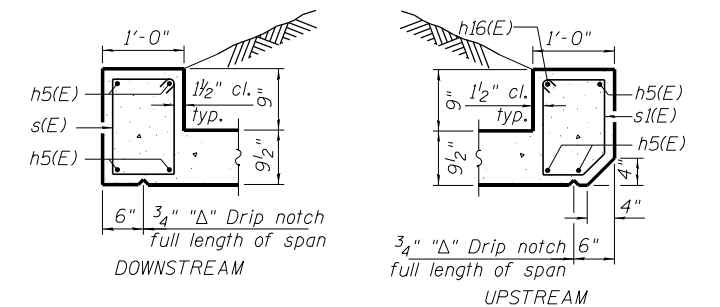
WEST HEADWALL CORNER DEALS



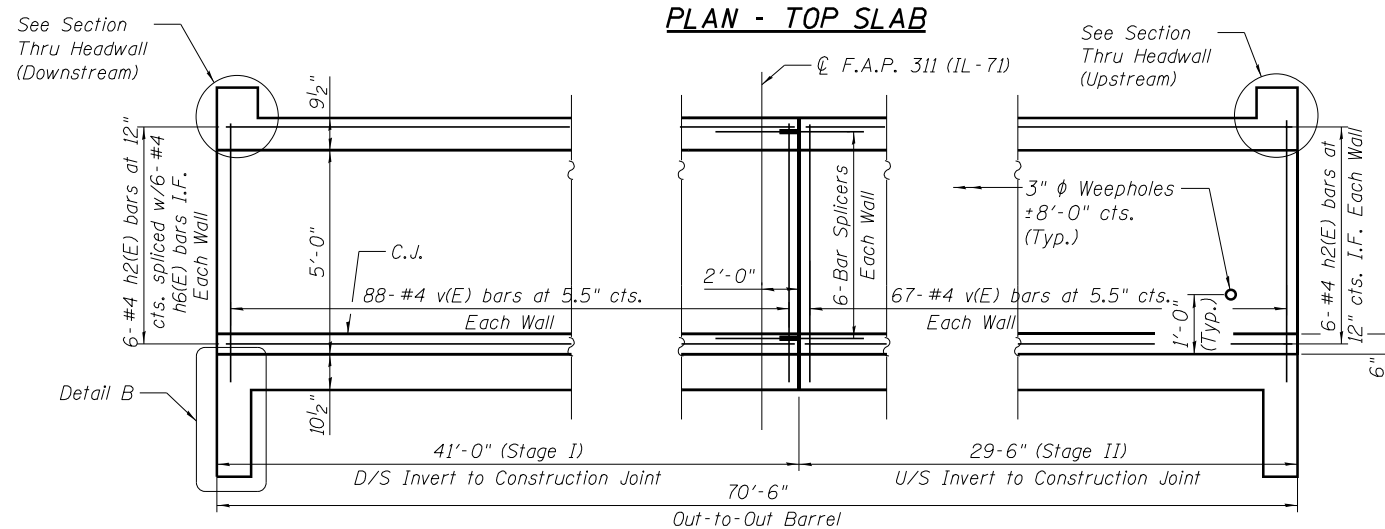
EAST HEADWALL CORNER DEALS



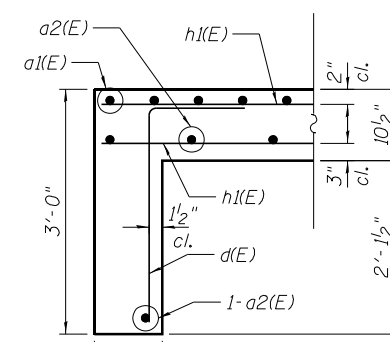
PLAN - TOP SLAB



SECTION THRU HEADWALLS



LONGITUDINAL SECTION

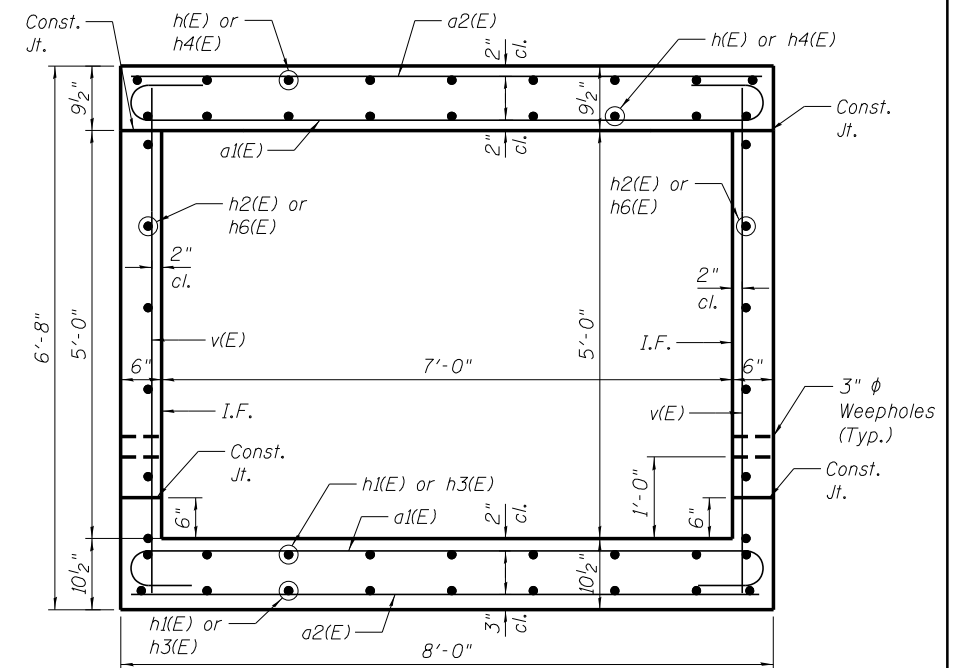


DETAIL B

Showing Section Thru Cutoff Walls

MIN. BAR LAP

#4 (E) bar = 2'-7"
#5 (E) bar = 3'-3"



SECTION THRU BARREL

NOTES

Bars indicated thus 12x4-#5 etc. indicates 12 lines of bars with 4 lengths per line.



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CHECKED - \$CHK\$	REVISED - \$REV2\$	
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

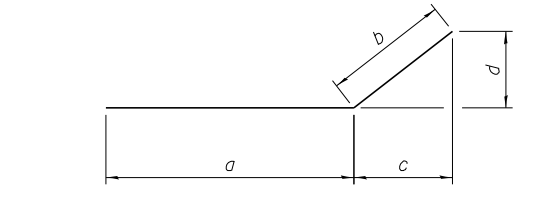
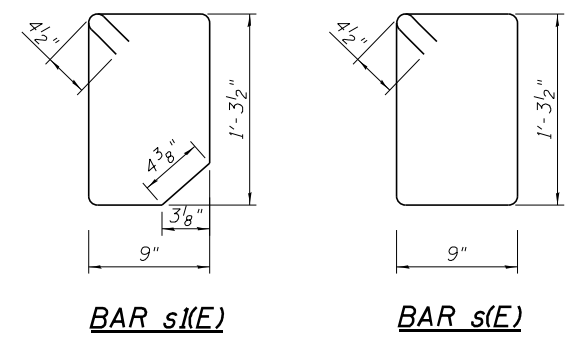
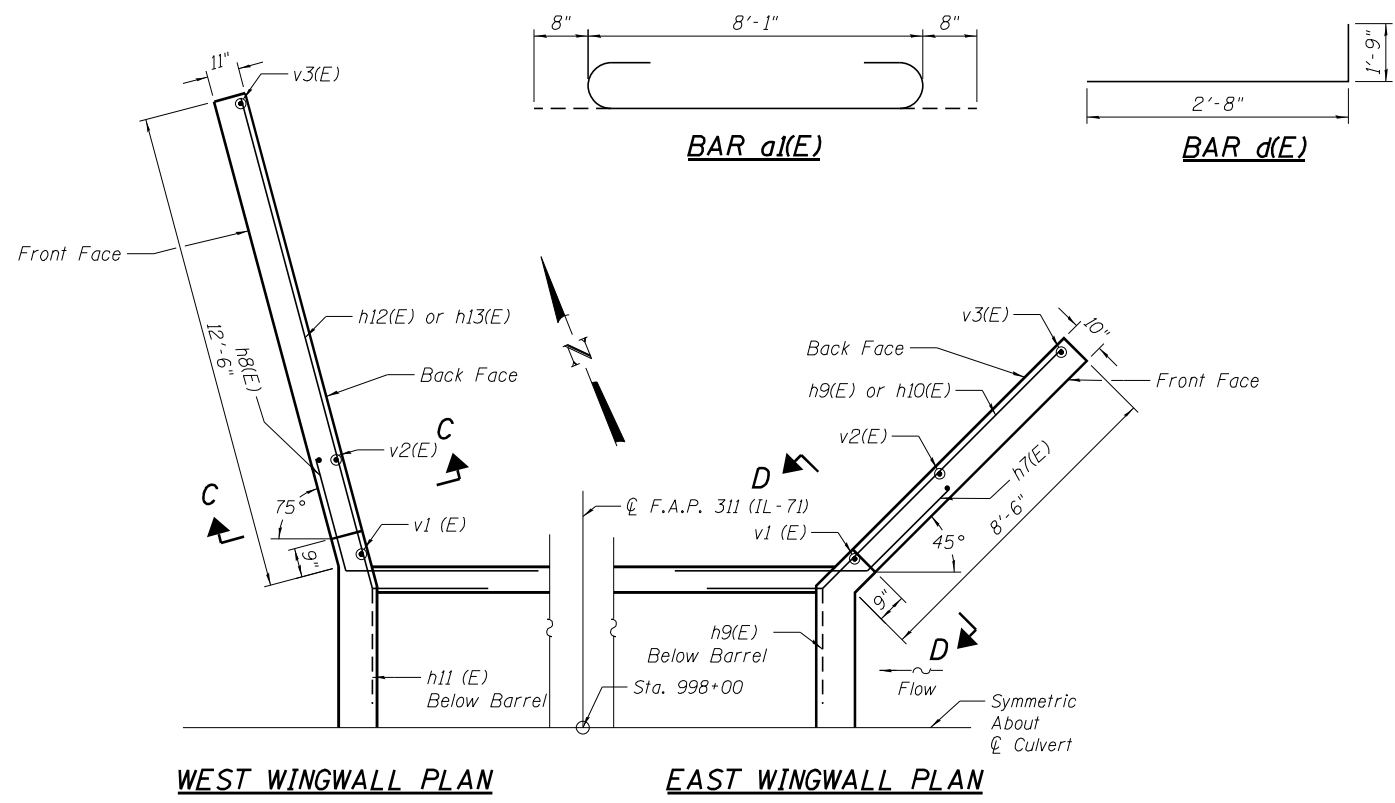
**CULVERT REINFORCEMENT DETAILS
PROPOSED STRUCTURE NO. 047-2584**

SHEET NO. OF SHEETS

F.A.P. RTE. 311	SECTION (3)CR-2517	COUNTY KENDALL	TOTAL SHEETS 37	SHEET NO. 24
				CONTRACT NO. 66E96

ILLINOIS FED. AID PROJECT

NOTE: NAME - Detail - Drawn by: hawley.com/ITD - Documents/ITD - Office/Detail - Projects/0356E96C/047-2584/047-2584-002-BottomSlab.dwg
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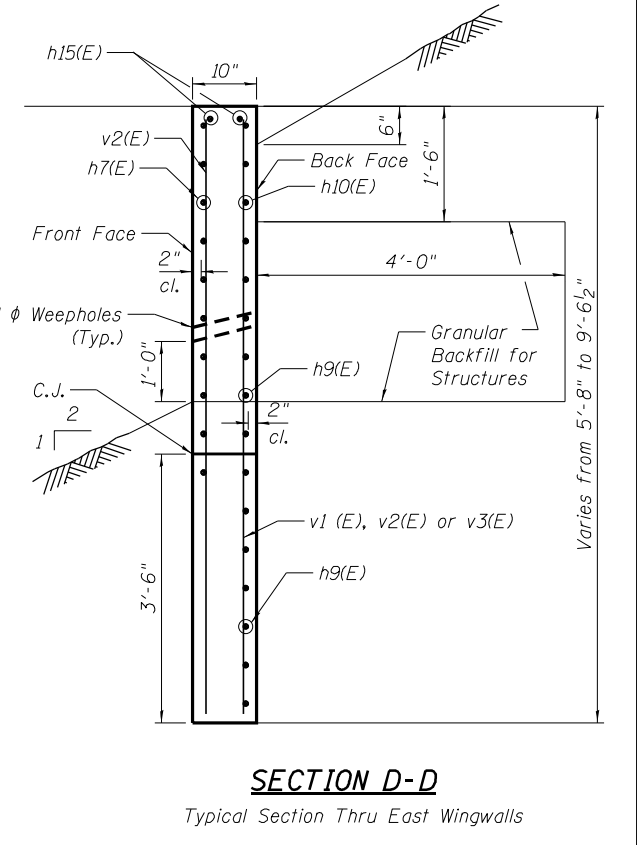
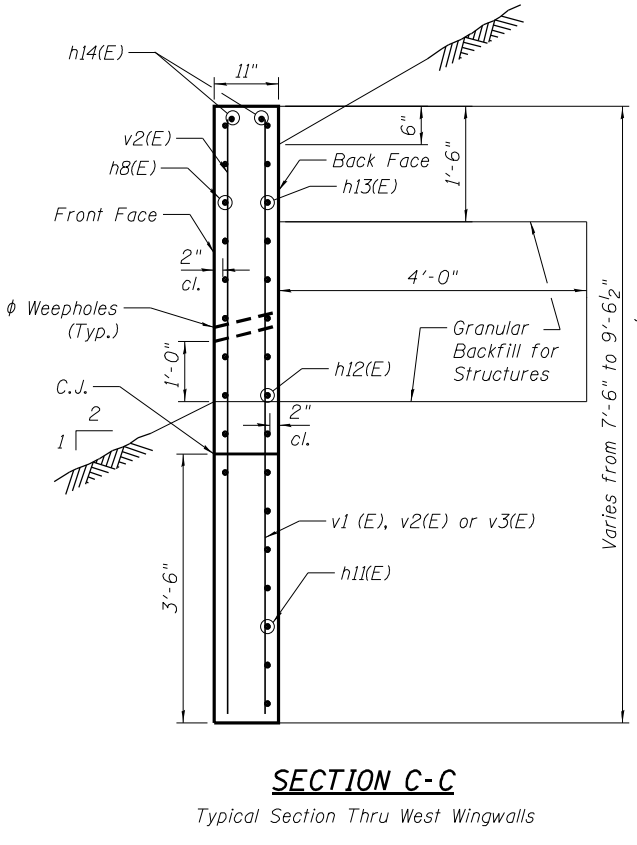
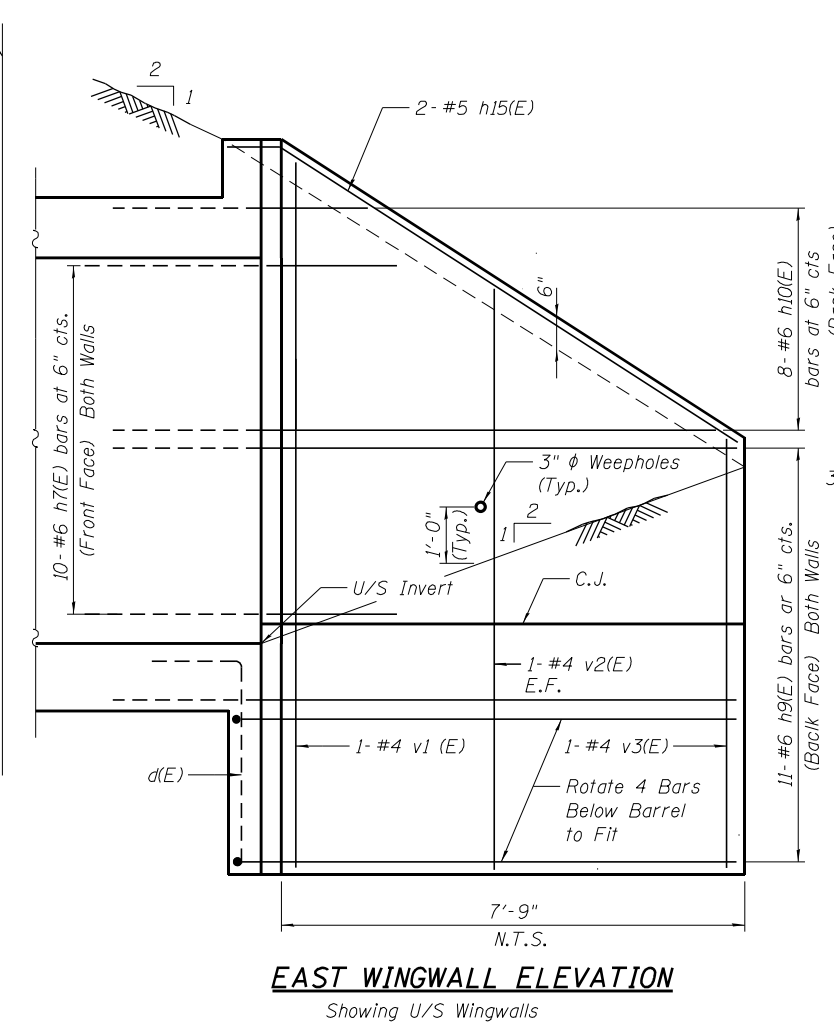
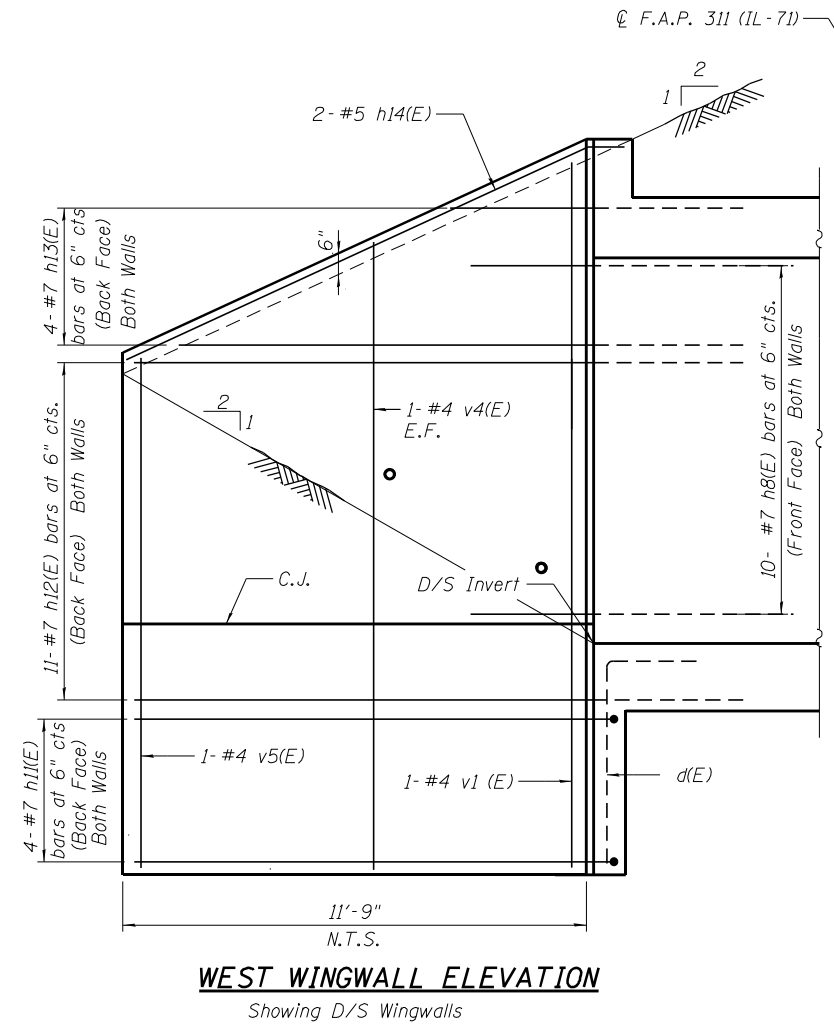


Bar	a	b	c	d
h7(E)	5'-0"	3'-0"	2'-1 1/2"	2'-1 1/2"
h8(E)	5'-0"	3'-0"	0'-9 3/8"	2'-10 3/4"
h9(E)	8'-9 5/8"	3'-0"	2'-1 1/2"	2'-1 1/2"
h10(E)	1'-5 3/4" to 8'-5 3/4"	3'-0"	2'-1 1/2"	2'-1 1/2"
h11(E)	9'-0 7/8"	3'-0"	2'-10 3/4"	0'-9 3/8"
h12(E)	9'-0 7/8"	3'-0"	0'-9 3/8"	2'-10 3/4"
h13(E)	2'-5 7/8" to 11'-1 1/2"	3'-0"	0'-9 3/8"	2'-10 3/4"
h14(E)	11'-9 1/2"	1'-10"	1'-9 5/8"	0'-3 3/4"
h15(E)	8'-7"	1'-4"	1'-2 1/4"	0'-7 7/8"

BILL OF MATERIAL				
Bar	No.	Size	Length	Shape
a1(E)	275	#6	9'-5"	
a2(E)	148	#5	8'-1"	—
d(E)	18	#5	4'-5"	—
h(E)	46	#5	29'-3"	—
h1(E)	36	#5	29'-3"	—
h2(E)	24	#4	29'-3"	—
h3(E)	18	#5	14'-9"	—
h4(E)	23	#5	14'-9"	—
h5(E)	7	#6	8'-1"	—
h6(E)	12	#4	14'-1"	—
h7(E)	20	#6	8'-0"	—
h8(E)	20	#7	8'-0"	—
h9(E)	22	#6	11'-9 5/8"	—
** h10(E)	16	#6	7'-11 3/4"	—
h11(E)	8	#7	16'-2"	—
h12(E)	22	#7	16'-2"	—
** h13(E)	8	#7	9'-9 3/4"	—
h14(E)	4	#5	13'-7 1/2"	—
h15(E)	4	#5	9'-11"	—
h16(E)	1	#6	7'-5"	—
s(E)	9	#4	4'-10"	
s1(E)	9	#4	4'-8 1/2"	
v(E)	310	#4	6'-4"	—
v1(E)	4	#4	9'-3"	—
v2(E)	4	#4	8'-3"	—
v3(E)	2	#4	5'-6"	—
v4(E)	4	#4	8'-9"	—
v5(E)	2	#4	7'-3"	—
Concrete Box Culverts			Cu Yd	63
Reinforcement Bars, Epoxy Coated			Pound	12,890

BARS h7(E) Thru h15(E)

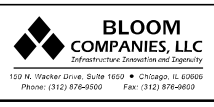
** Length Tabulated is an Average. See Bar Bending Diagram



SECTION C-C
Typical Section Thru West Wingwalls

SECTION D-D
Typical Section Thru East Wingwalls

NOTE: NAME - Detail; FILE NAME - p:\bentley\dwg\11\DOT\Documents\DOT - Offsets\11\11-03\66E96\047-2584\047-2584-03-WingwallDetail.dwg
 159 N. Wacker Drive, Suite 1600 • Chicago, IL 60606
 Phone: (312) 876-9500 Fax: (312) 876-9850



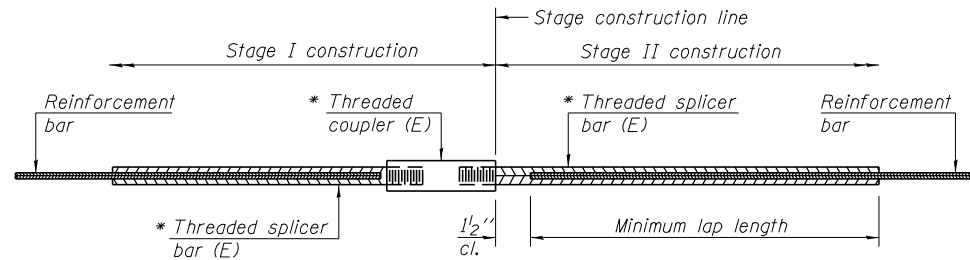
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REINFORCEMENT DETAILS
PROPOSED STRUCTURE NO. 047-2584

SHEET NO. OF SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(3)CR-2517	KENDALL	37	25
CONTRACT NO. 66E96			ILLINOIS FED. AID PROJECT	

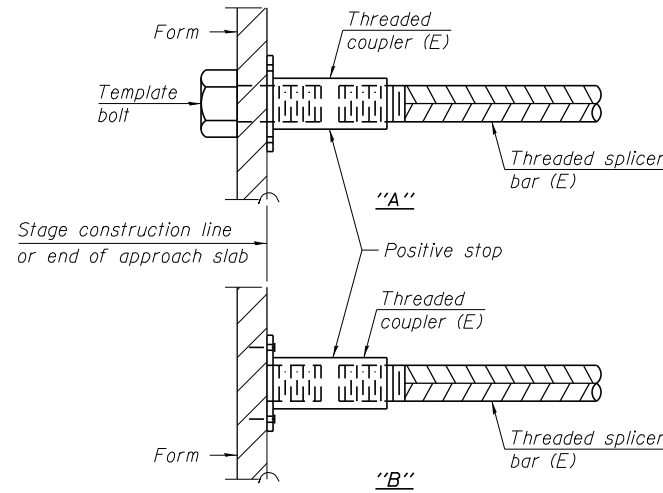


STANDARD BAR SPLICER ASSEMBLY

Threaded splicer bar length = min. lap length + 1/2" + thread length

* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Bottom Slab	#5	18	3'-3"
Top Slab	#5	23	3'-3"
Culvert Walls	#4	12	2'-7"



INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
 "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
 (E) : Indicates epoxy coating.

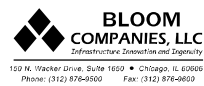
NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
 All reinforcement shall be lapped and tied to the splicer bars.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1

6-8-15

NOTE: NAME - Kendall; DATE - 6/20/15; PROJECT - I-55/US-41; DRAWING - BSM-047-2584-01; SHEET - 26; CONTRACT - 66E96



USER NAME = Anthony.Grunsted	DESIGNED - \$DES\$	REVISED - \$REV1\$
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
PROPOSED STRUCTURE NO. 047-2584**

SHEET NO. OF SHEETS

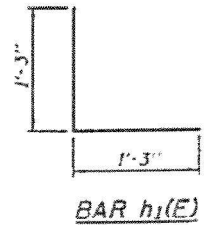
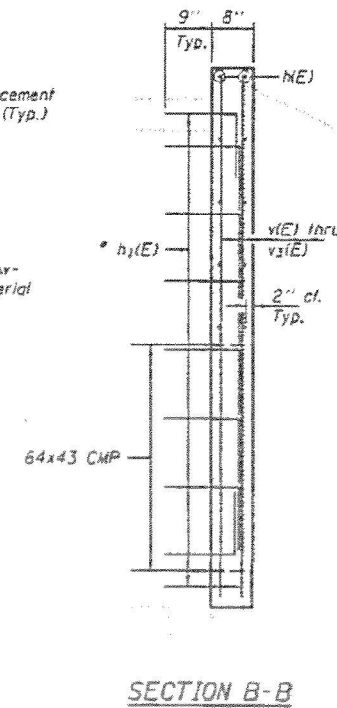
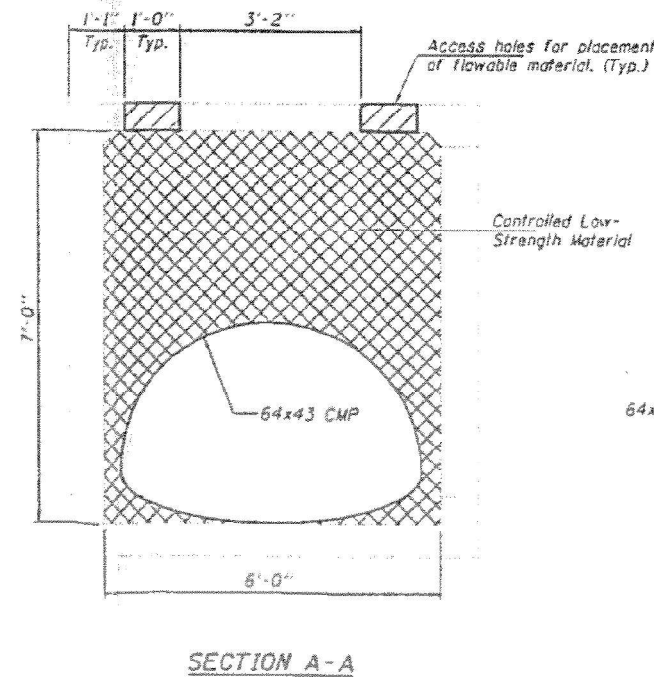
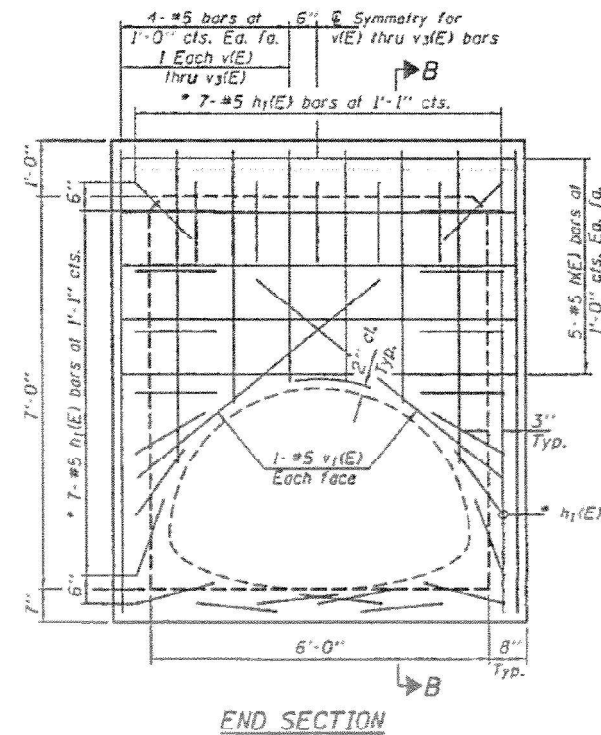
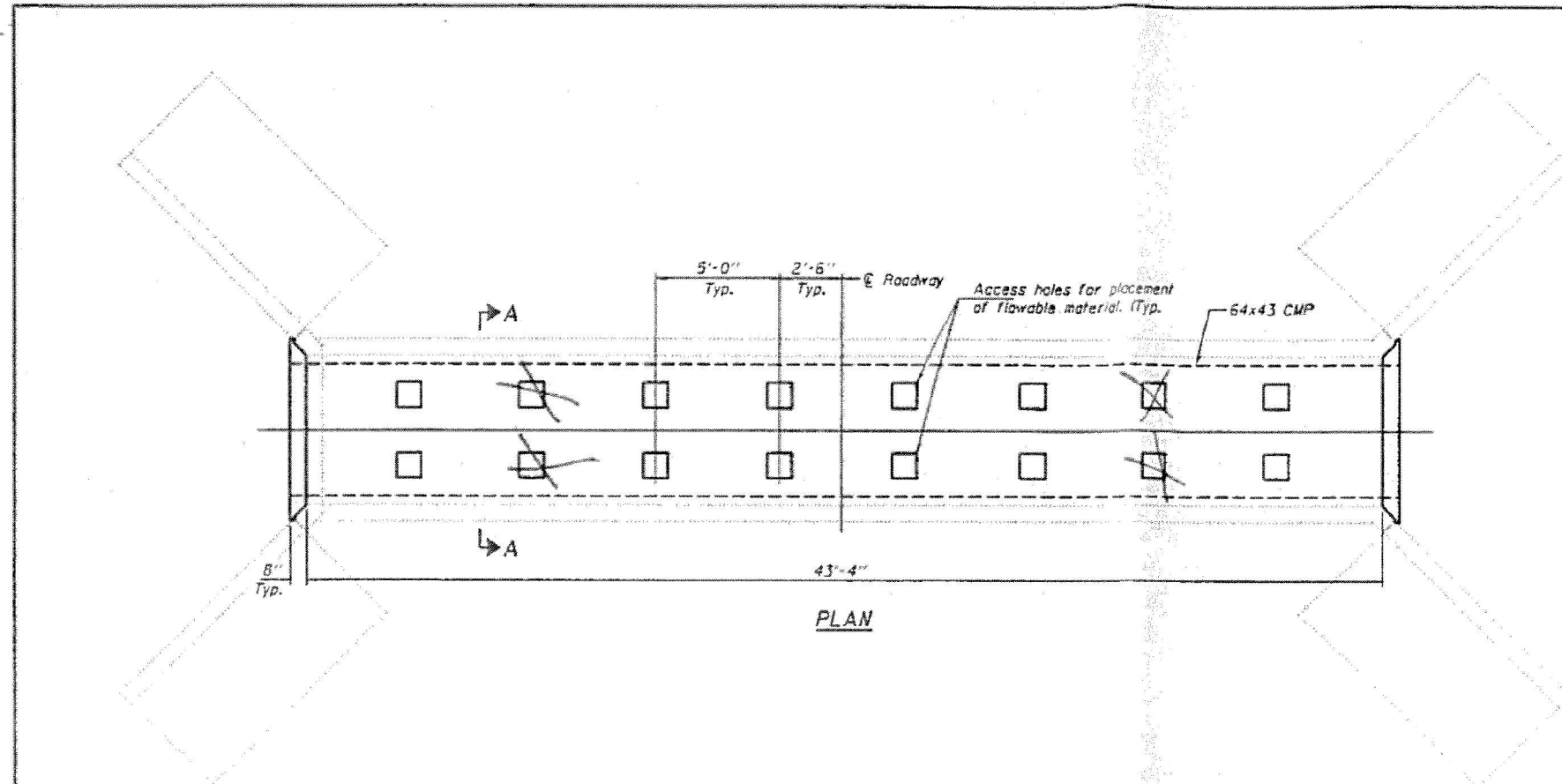
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311	(3)CR-2517	KENDALL	37	26
CONTRACT NO. 66E96				
ILLINOIS FED. AID PROJECT				

10/06/16

GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.
 Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

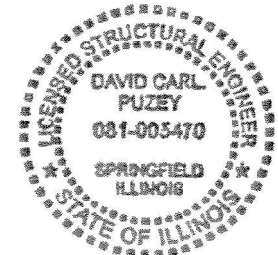
AS-BUILT



* Epoxy grout h1(E) bars in 9\"/>

BILL OF MATERIAL

Bar No.	Size	Length	Shape
ME1	20	#5	7'-0"
h1(E)	56	#5	2'-6"
v1(E)	8	#5	8'-3"
v2(E)	8	#5	5'-7"
v3(E)	8	#5	4'-6"
v3(E)	8	#5	4'-1"
Concrete Box Culverts	Cu. Yd.		2.2
64x43 Corrugated Metal Pipe	Foot		45'-6"
Controlled Low-Strength Material	Cu. Yd.		43.8
Reinforcement Bars, Epoxy Coated	Pound		530



DESIGNED: *[Signature]* DATE: AUGUST 26, 2016
 CHECKED: *[Signature]* PASSED: *[Signature]*
 DRAWN: *[Signature]* REVISED:
 CHECKED: *[Signature]* REVISED:

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CULVERT REPAIR DETAILS
 FAP 311 (IL 71)
 SN 047-2517

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(3)CR-2517	KENDALL	37	27

NOTE: NAME - David Carl Puzyr; PROJECT - PROJECT 036696; CONTRACT NO. 036696-005; REPORT - P160001; DATE - 10/06/16



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DESIGNED - \$DES\$	CHECKED - \$CHK\$	REVISED - \$REV2\$
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CHECKED - \$DATE\$		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

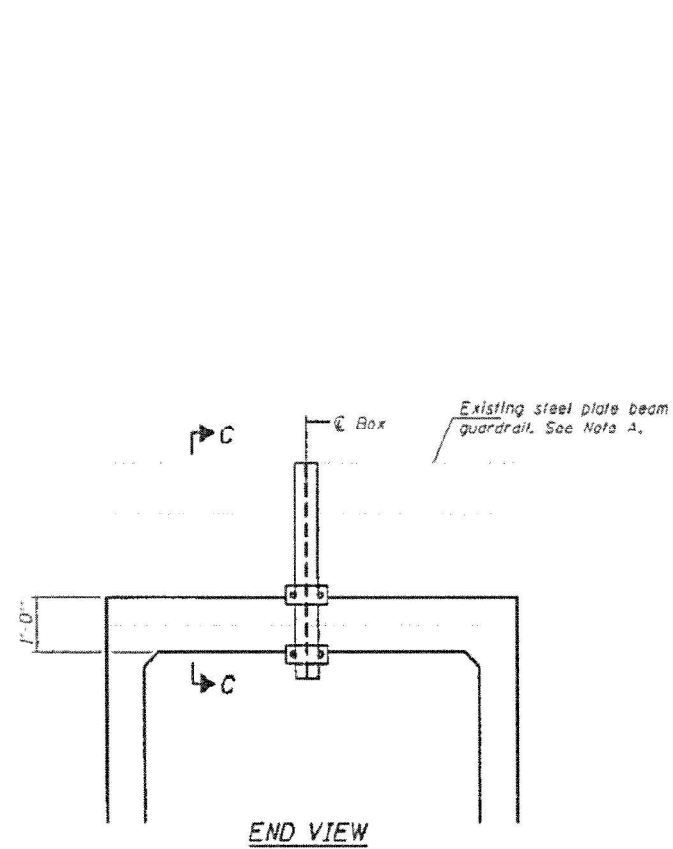
BRIDGE REPAIR PLANS
 FOR INFORMATION ONLY

SHEET NO. OF SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(3)CR-2517	KENDALL	37	27

CONTRACT NO. 66E96

ILLINOIS FED. AID PROJECT



Note A:
 The existing steel plate beam guardrail shall be removed for construction and be re-erected upon completion of the concrete work. The contractor shall furnish and erect new guardrail posts with which to attach the re-erected rail to the proposed concrete headwall. Guardrail work shall conform to Section 630 of the Standard Specifications. This work shall also include the furnishing and installation of all plates and fastening hardware detailed on this sheet. All plates and hardware shall be galvanized per AASHTO M232 standard. All work and materials described in this note shall be included with Concrete Box Culverts.

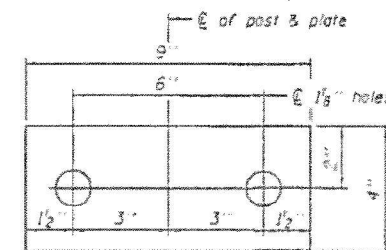
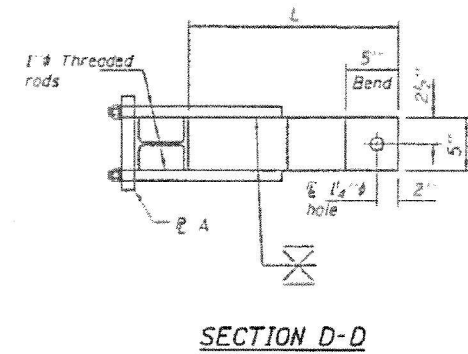
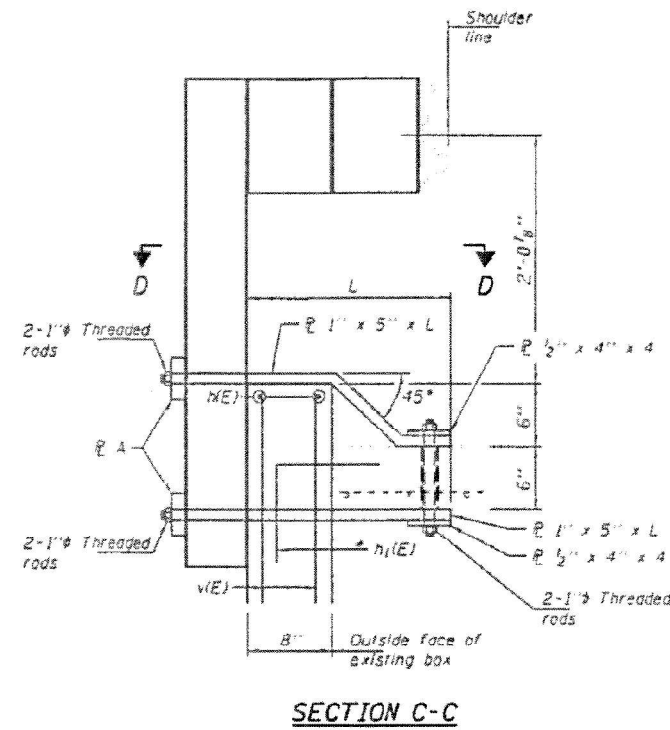


PLATE A
 (2 A - 1" x 4" x 9")
 (2 Required)

DESIGNED VHV
 CHECKED DAB
 DRAWN Dalko
 CHECKED VHV DAB

PASSED

Carl Perry
 STATE ENGINEER OF ILLINOIS

DATE AUGUST 26, 2015
 REVISED
 REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

REPAIR DETAILS
 SN 047-2517

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(3)CR-2517	KENDALL	37	27
CONTRACT NO.				

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BLOOM COMPANIES, LLC
 Infrastructure, Driveways and Signage
 159 N. Wacker Drive, Suite 1600 • Chicago, IL 60606
 Phone: (312) 876-9500 Fax: (312) 876-9800

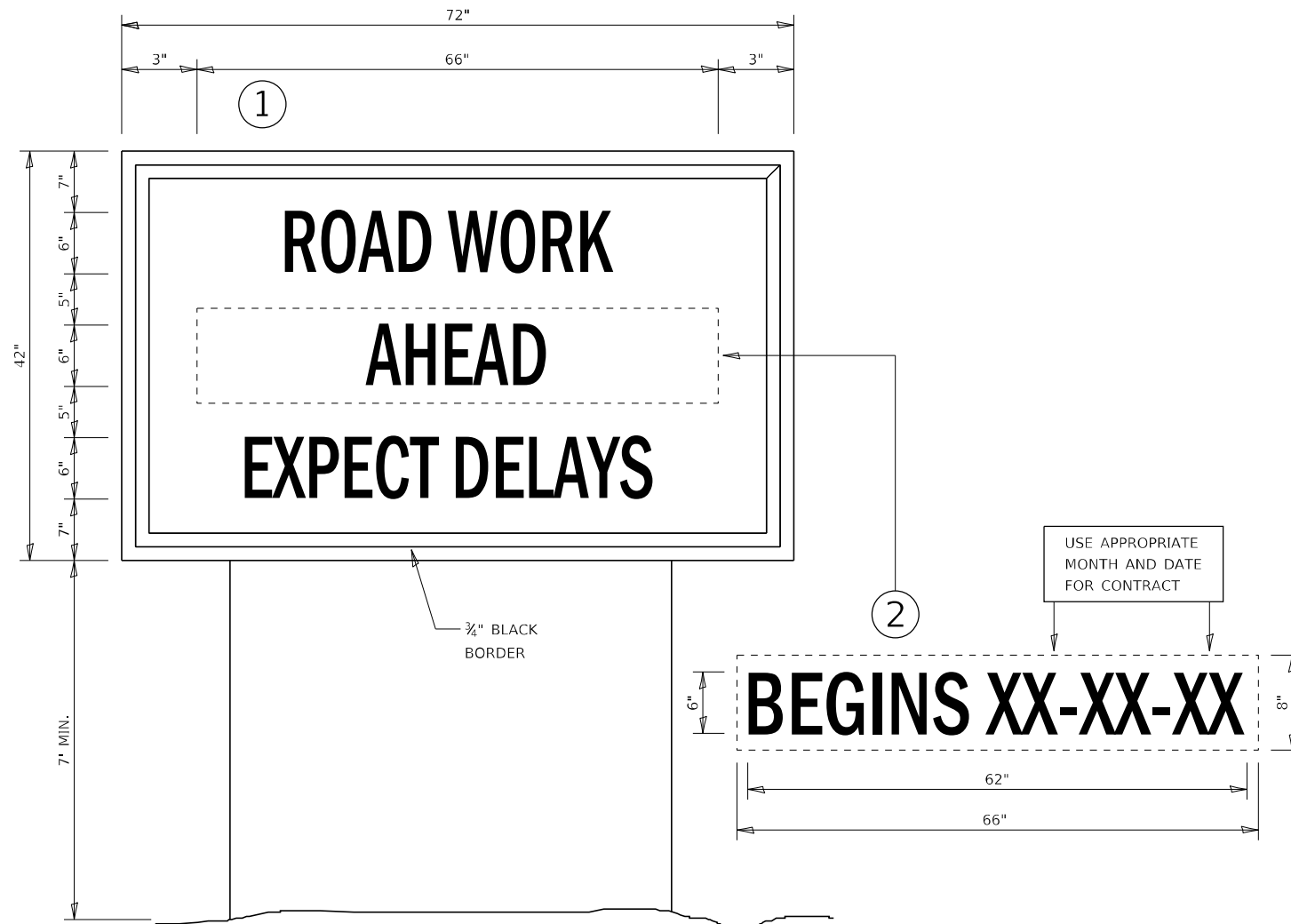
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BRIDGE REPAIR PLANS
 FOR INFORMATION ONLY

SHEET NO. OF SHEETS

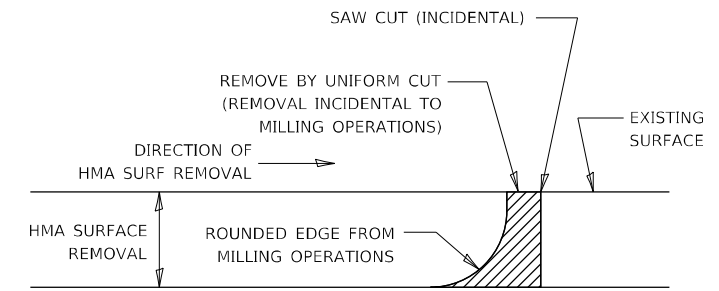
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(3)CR-2517	KENDALL	37	27
CONTRACT NO. 66E96				
ILLINOIS FED. AID PROJECT				



TEMPORARY INFORMATION SIGNING

NOTES:

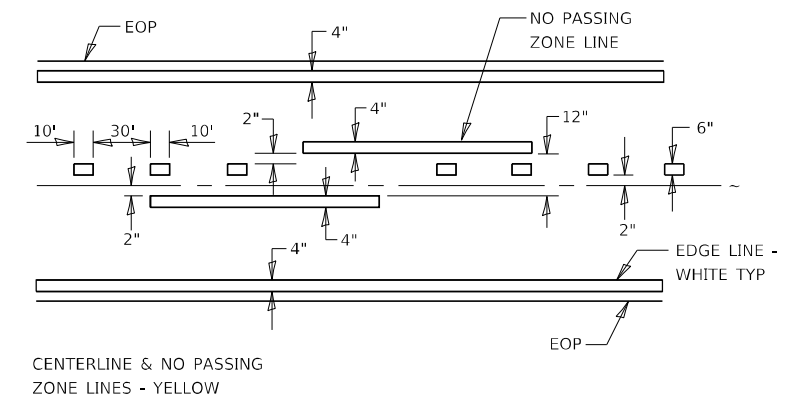
1. USE 6" D BLACK LETTERING ON FLUORESCENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
4. REMOVE PANEL ② ON THAT DATE.
5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.



NOTE:

WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL.

HMA DETAIL AT BUTT JOINTS



PAVEMENT MARKING

NOTE: NAME - Detail; FILE NAME - pavmkt; path: \\pavmkt\pavmkt\DWG\DOT\Documents\DOT - Office\Dir\id_3\Projects\0356E96C\0356E96C\Drawings\Changes to Consultant\Final\0356E96C.dwg



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(3)CR-2517	KENDALL	37	31
CONTRACT NO. 66E96				
ILLINOIS FED. AID PROJECT				

BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

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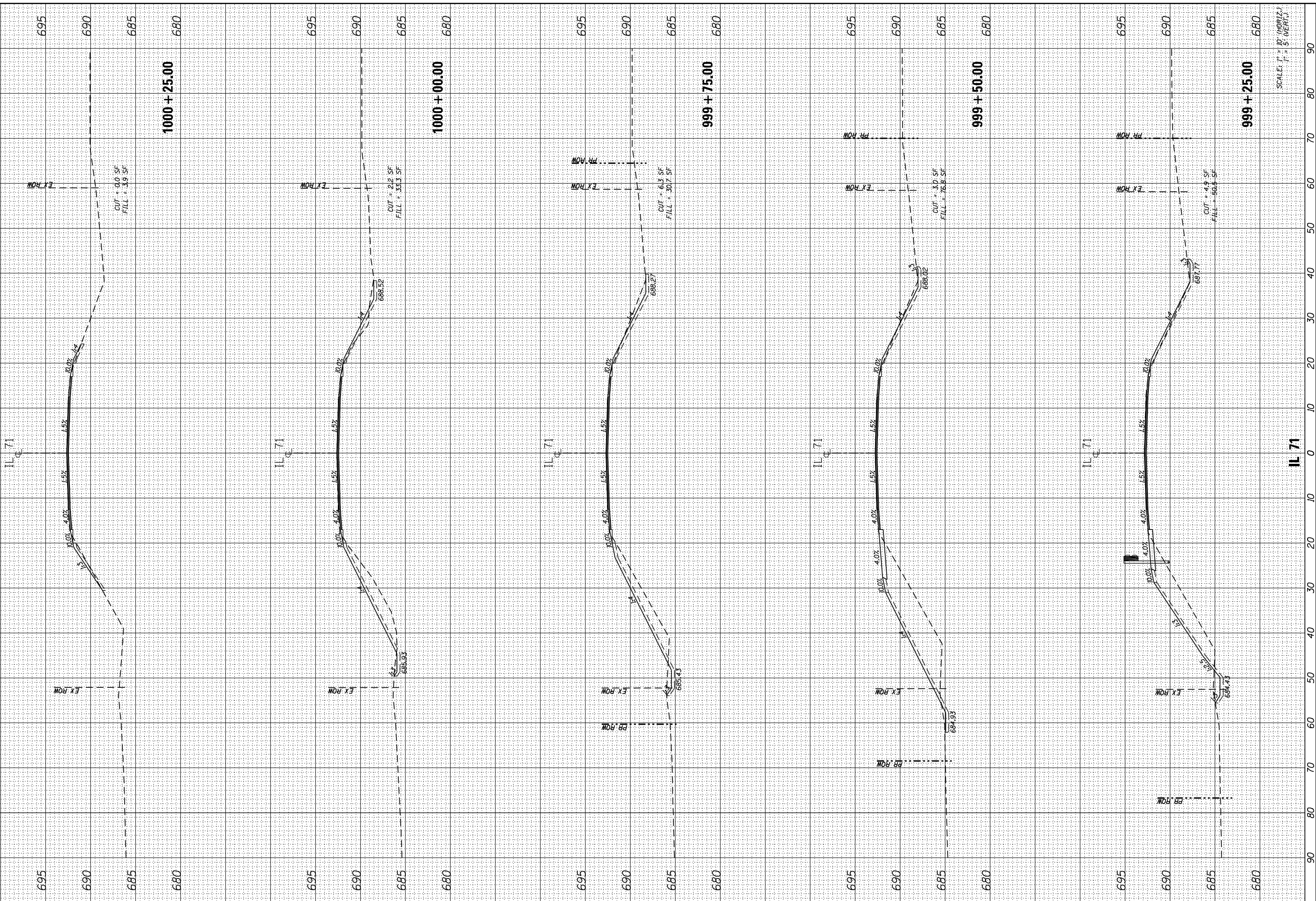
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DATE - \$DATE*	REVISED - \$REV4*

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. \$STA1\$ TO STA. \$STA2\$

F.A.P. RTE. 311	SECTION (3)CR-2517	COUNTY KENDALL	TOTAL SHEETS 37	SHEET NO. 36
CONTRACT NO. 66E96				
ILLINOIS FED. AID PROJECT				



BY	DATE

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

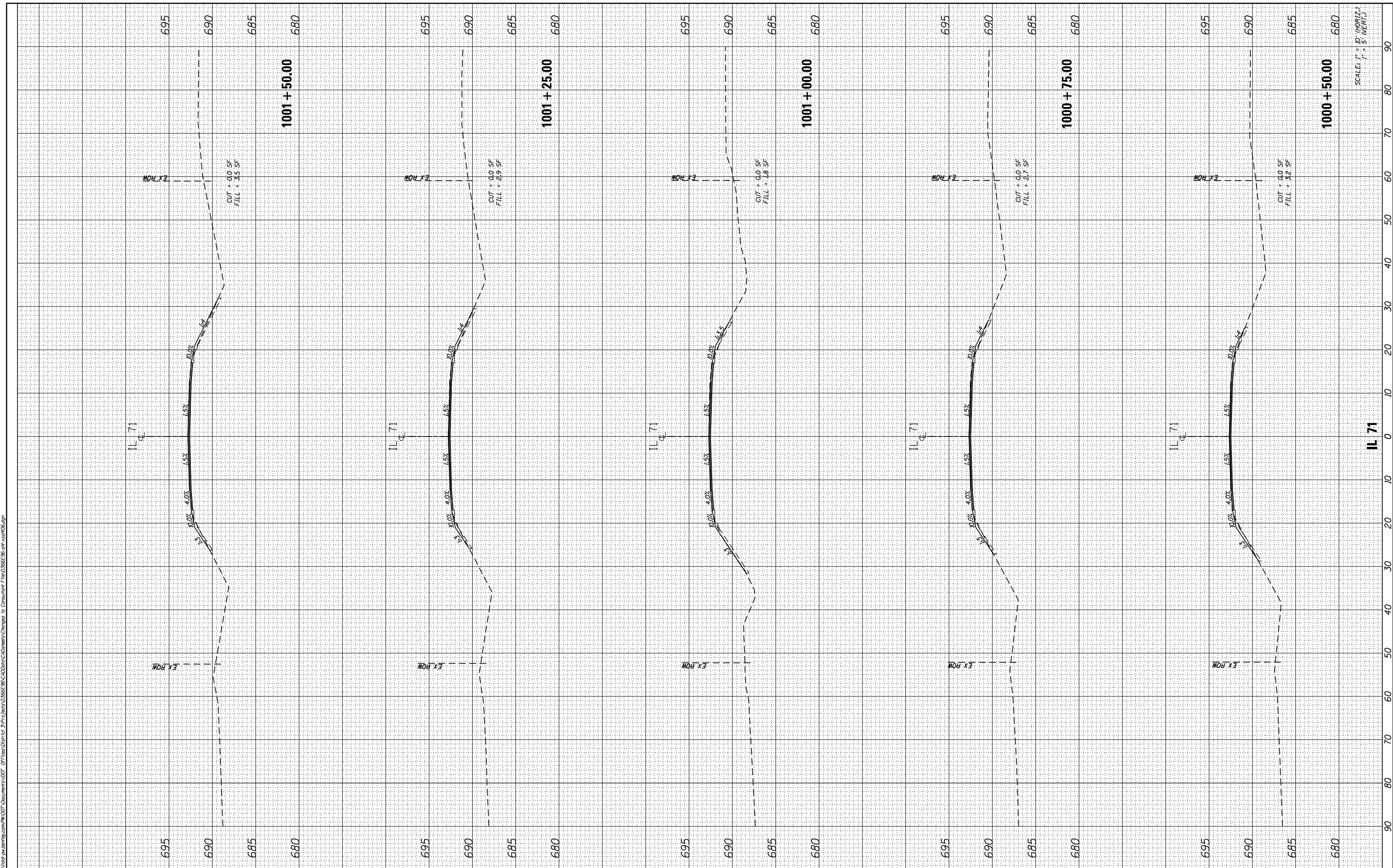
BLOOM COMPANIES, LLC
 Infrastructure, Innovation and Integrity
 152 N. Wacker Drive, Suite 1600 • Chicago, IL 60606
 Phone: (312) 876-9800 Fax: (312) 876-9803

USER NAME = Anthony.Grunsted	DESIGNED - \$DES*	REVISED - \$REV1*
PLOT SCALE = 20.0000' / in.	DRAWN - \$DRW*	REVISED - \$REV2*
DATE = 8/30/22	CHECKED - \$CHK*	REVISED - \$REV3*
		REVISED - \$REV4*

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS			
SCALE:	SHEET	OF SHEETS	STA. \$STA1\$ TO STA. \$STA2\$

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(3)CR-2517	KENDALL	37	37
CONTRACT NO. 66E96				
ILLINOIS FED. AID PROJECT				



SCALE: 1" = 10' (HORIZ.)
 1" = 5' (VERT.)

MODEL NAME - Default
 FILE NAME - \\pawel@bloomco.com\PI\DOT Documents\DOT - Offices\Digital 3D\Projects\66E96\CAD\Drawings\Cross\Sections\CrossSection02.dgn