

04-27-2018 LETTING ITEM 174

FOR INDEX OF SHEETS AND HIGHWAY STANDARDS, SEE SHEET NO. 2

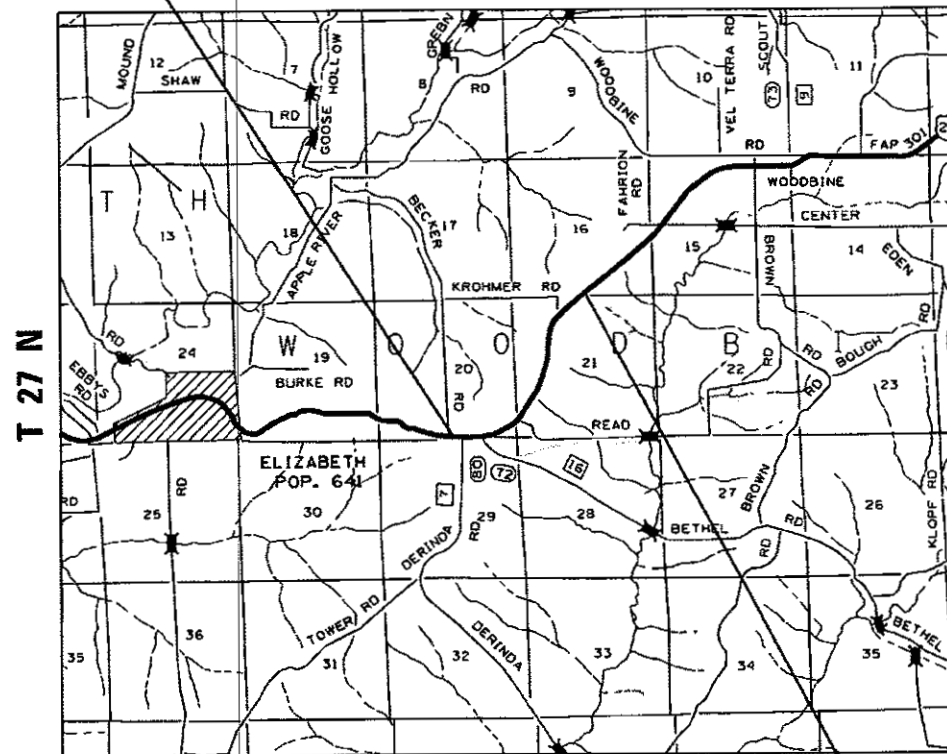
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

FAP ROUTE 301 (US 20)  
SECTION 26RS-7  
PROJECT NHPP-B5K9(04)  
Mill and Resurface with Drainage Repairs  
Jo Daviess County

**Project Begins  
Sta. 1635 + 00**

**C-92-064-16**



**Project Ends  
Sta. 1725 + 85**

GROSS LENGTH = 9085 FT. = 1.72 MILE  
NET LENGTH = 9085 FT. = 1.72 MILE

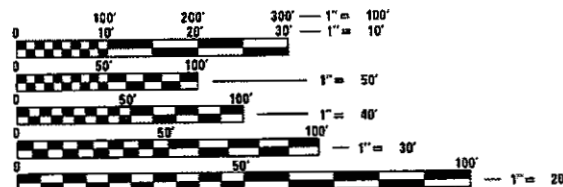
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	26RS-7	Jo Daviess	94	1
		ILLINOIS	CONTRACT NO. 64K60	

**D-92-007-15**



LOCATION OF SECTION INDICATED THUS: -

**WOODBINE TOWNSHIP  
SECTIONS 16, 20, 21**



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 - Mat Dobie  
PROJECT MANAGER - Shanna Dollinger (815)284-5337

CONTRACT NO. 64K60

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED Jan 24, 2018  
*[Signature]*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Mar 23, 2018  
*[Signature]*  
ENGINEER OF DESIGN AND ENVIRONMENT

May 23, 2018  
*[Signature]*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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



9/20  
FEP/ST

80/20  
FEP/ST

RURAL  
0005

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
20200100	EARTH EXCAVATION	CU YD	191
21400100	GRADING AND SHAPING DITCHES	FOOT	200
25100630	EROSION CONTROL BLANKET	SQ YD	1589
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	100
28000305	TEMPORARY DITCH CHECKS	FOOT	50
28000400	PERIMETER EROSION BARRIER	FOOT	30
28000500	INLET AND PIPE PROTECTION	EACH	1
28200200	FILTER FABRIC	SQ YD	802
30300011	AGGREGATE SUBGRADE IMPROVEMENT	TON	712
35101400	AGGREGATE BASE COURSE, TYPE B	TON	120
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	1170
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	38383
40600535	LEVELING BINDER (HAND METHOD), N70	TON	34
40600637	LEVELING BINDER (MACHINE METHOD), IL-9.5FG N70	TON	2131
40600990	TEMPORARY RAMP	SQ YD	158
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	2248

\* Specialty Items

FILE NAME =	USER NAME = Fosslerm.j	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pa\\IL084EB\DI\TEG\Illinois.gov\PI\DOT\Documents\MDGT Office\District 2\Projects\7207\RAW\DATA\EA\Sheets\0268715-sht-schedu	PROJECT =	CHECKED -	REVISED -		301	26RS-7	JOAVIESS	54	3				
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 64K60				
	PLOT DATE = Jan-23-2018 09:00:04 AM	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				

80/20  
FED/ST

RURAL  
0005

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
40603340	HOT- MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	3288
40800050	INCIDENTAL HOT- MIX ASPHALT SURFACING	TON	380
44000158	HOT- MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	54112
44000161	HOT- MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	1081
44004250	PAVED SHOULDER REMOVAL	SQ YD	176
44201789	CLASS D PATCHES, TYPE 2, 12 INCH	SQ YD	853
44201794	CLASS D PATCHES, TYPE 3, 12 INCH	SQ YD	173
44201796	CLASS D PATCHES, TYPE 4, 12 INCH	SQ YD	728
48102100	AGGREGATE WEDGE SHOULDERS, TYPE B	TON	811
48203020	HOT-MIX ASPHALT SHOULDERS, 5 3/4"	SQ YD	176
60100060	CONCRETE HEADWALL FOR PIPE DRAIN	EACH	1
60108106	PIPE UNDERDRAINS, TYPE 1, 6"	FOOT	775
60255500	MANHOLES TO BE ADJUSTED	EACH	1
60260100	INLETS TO BE ADJUSTED	EACH	1
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	18170

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\* Specialty Items

FILE NAME =	USER NAME = fessler-mj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
pw\l\084E81DINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 2\Projects\2018\2018-01-23-2018 09:08:39 AM	PROJECT = 2018-01-23-2018 09:08:39 AM	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	301	26RS-7	JOAVIESS	54	4
Default	PLOT DATE = Jan-23-2018 09:08:39 AM	DATE -	REVISED -								CONTRACT NO. 64K60				
													ILLINOIS FED. AID PROJECT		

80/20  
FED/ST  
RURAL  
0005

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
67100100	MOBILIZATION	L SUM	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DAY	15
70300100	SHORT TERM PAVEMENT MARKING	FOOT	9311
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1219
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	140
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1015
* 78001110	PAINT PAVEMENT MARKING - LINE 4 INCH	FOOT	72680
* 78001130	PAINT PAVEMENT MARKING - LINE 6 INCH	FOOT	4439
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	424
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	181
X2830495	AGGREGATE DITCH SPECIAL	TON	389

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\* Specialty Items

80/20  
FED/ST  
RURAL  
0005

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
X4400196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	1093
Z0005300	BOX CULVERTS TO BE CLEANED	EACH	1
Z0028415	GEOTECHNICAL REINFORCEMENT	SQ YD	740

3 \* Specialty Items

# GENERAL NOTES

The final top 4 inches of soil in any right-of-way area disturbed by the Contractor must be capable of supporting vegetation. The soil must be from the A horizon (zero to 2' deep) of soil profiles of local soils. The cost of this work shall be included in the unit prices bid and no additional compensation will be allowed.

All Borrow/Waste/Use sites must be approved by the Department prior to removing any material from the project or initiating any earthmoving activities, including temporary stockpiling outside the limits of construction.

The Contractor shall seed all disturbed areas within the project limits. Seeding Class 4 or 2A shall be used, except in front of properties where the grass will be mowed, then use Seeding, Class 1A. Class 2A shall be used on front slopes and ditch bottoms. Class 4 shall be used behind Type A gutter, on all backslopes and areas behind the backslope, and beyond the toe of front slope on fill sections without ditches. This work will be included in the contract unit price per Cubic Yard for EARTH EXCAVATION.

Fertilizer shall be applied to all disturbed areas and incorporated into the seedbed prior to seeding or placement of sod at the rate specified in Sections 250 and 252 of the Standard Specifications. This work shall be included in the cost of EARTH EXCAVATION.

All "Aggregate Subgrade Improvement" (Section 303), shall be completed in accordance with Articles 311.04, 311.05, 311.05(a), 311.06 and 311.07. All aggregate subgrade thicknesses equal to or less than 12 inches shall be constructed of aggregate of CS02 gradation.

When laying out for patching, the minimum distance between new patches (saw cut to saw cut) shall be 15 feet. When patch spacing is less than 15 feet, the pavement between patches shall also be removed and replaced.

The existing hot-mix asphalt on private and commercial entrances shall be bladed off or milled and disposed of outside the project limits. This could be the entire entrance or tapered at the end depending on if the mainline is resurfaced or milled and resurfaced. The cost of the blading, milling, rolling, and disposal is included in the contract unit price for INCIDENTAL HOT-MIX ASPHALT SURFACING.

The drop off that occurs at entrance edges as a result of resurfacing of the entrance shall be corrected using aggregate shoulder material. This work shall be paid for by the TON for Aggregate Shoulders of the type specified in the plans.

Milling machines on this project shall be capable of removing a layer of bituminous a minimum 6' wide and 1½ inches in depth in a single pass.

The following Mixture Requirements are applicable for this project:

Mixture Uses(s):	Surface	Level Binder	Shoulder
PG:	64-22	64-22	64-22
Design Air Voids	4.0 @ N70	4.0 @ N70	3.0 @ N50
Mixture Composition (Gradation Mixture)	IL 9.5	IL 9.5FG	IL 9.5 or IL 9.5FG
Friction Aggregate	D	N/A	C
20 Year ESAL	3.1	3.1	3.1
Quality Management Program to be Used	QCP	QC/QA	QC/QA
Sublot Tonnage	900	N/A	N/A

The Contractor will be required to furnish 5 1/2" high brass stencils as approved by the Engineer and install stationing at 250' intervals. Stationing shall be placed on both lanes of 2-lane highways and on the outside lanes in both directions on 4-lane highways. The stations shall be placed 6" inside the pavement marking edge so they can be read from the shoulder. This work will be included in the cost of the final pavement surface.

The area to be tacked or primed shall be limited to that which can be covered with HMA on the next day's production, but no more than five days in advance of the placement of the HMA, unless approved by the Engineer.

Install rumble strips in all shoulders in accordance with State Standard 642006. Rumble Strips shall be placed on shoulders on both sides of the pavement.

If, during the grinding or resurfacing operations, the existing mailboxes become a hindrance, the Contractor shall be required to carefully remove and reinstall the mailboxes as directed by the Engineer. This work shall be included in the contract unit price for the INCIDENTAL HOT-MIX ASPHALT SURFACING.

Pavement Marking shall be done according to Standard 780001, except as follows:

1. All words, such as ONLY, shall be 8 feet high.
2. All non-freeway arrows shall be the large size.
3. The distance between yellow no-passing lines shall be 8 inches, not 7 inches, as shown in the detail of Typical Lane and Edge Lines.
4. Centerline Skip Dash Pavement Marking on multi-lane divided, multi-lane undivided, and one-way roadway shall be according to District Standard 41.1.

The Contractor shall be responsible for locating and protecting utility property during construction operations as outlined in Article 107.39 of the Standard Specifications. A minimum of 48 hours advance notice is required for non-emergency work. The JULIE number is 800-892-0123. The following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULIE:

Frontier, 815-544-6171  
 Jo-Carroll Energy, 815-273-2222  
 Jo Carroll Energy, 815-858-2207

NICOR Gas, 630-388-3046  
 Mediacom, 815-716-0582

IDOT is not a member of JULIE. If you are near any overhead lighting, intersection lighting or traffic signals, contact the IDOT Traffic Office at 815/284-5469 at least 48 hours prior to work.

FILE NAME = 64K60.GN.DOCX	USER NAME =	DESIGNED - Engineering Systems	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE =	DRAWN -	REVISED -			FAP 301	26RS-7	Jo Daviess	54	7	
	PLOT DATE = 1/23/2018 7:31 AM	CHECKED -	REVISED -			CONTRACT NO. 64K60					
	DATE = 2/7/2017 2:25 PM	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
						SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.



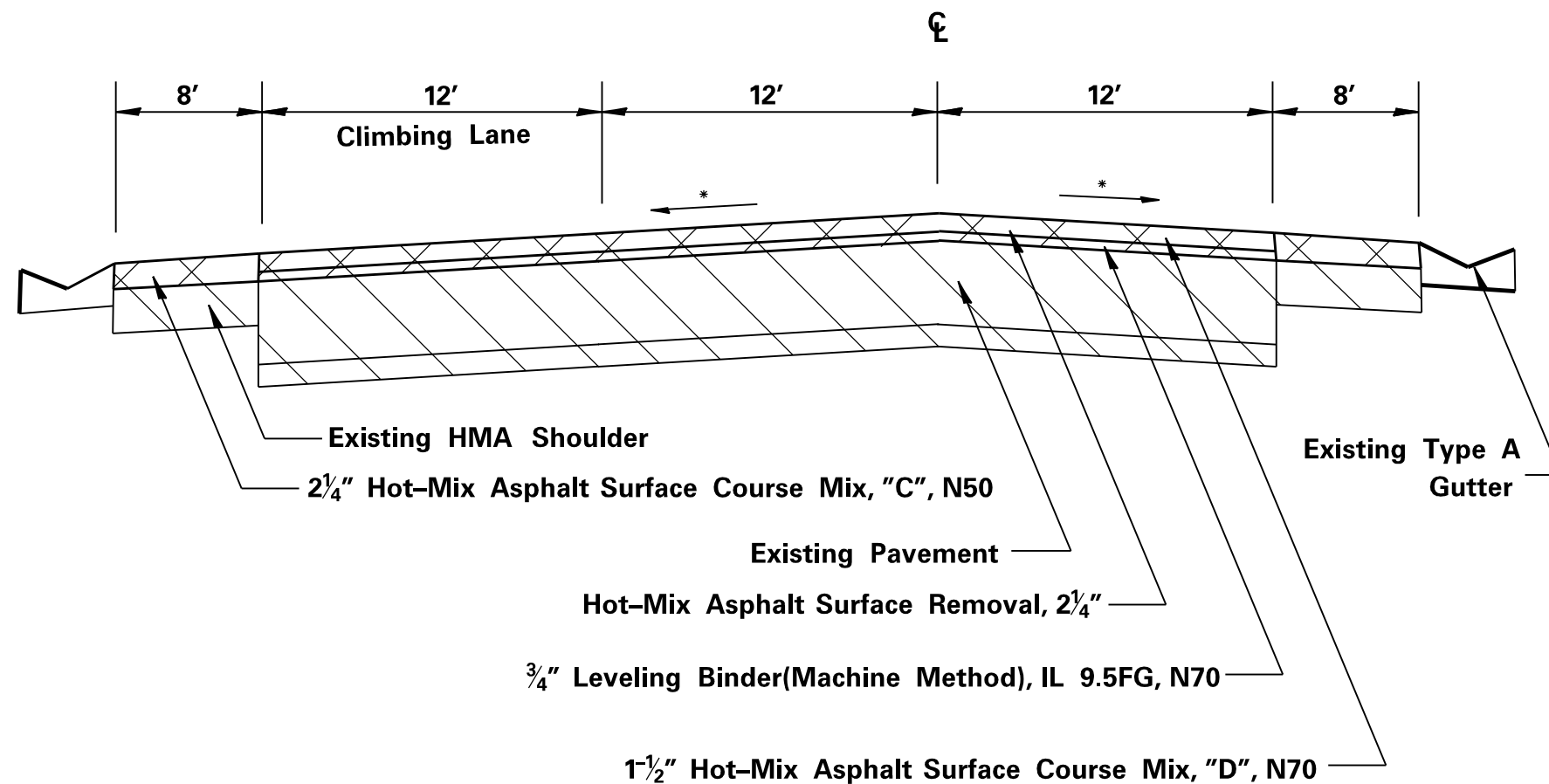


# TYPICAL SECTIONS

## US 20 STATIONS

1635 + 00 – 1636 + 37

1643 + 71 – 1648 + 59



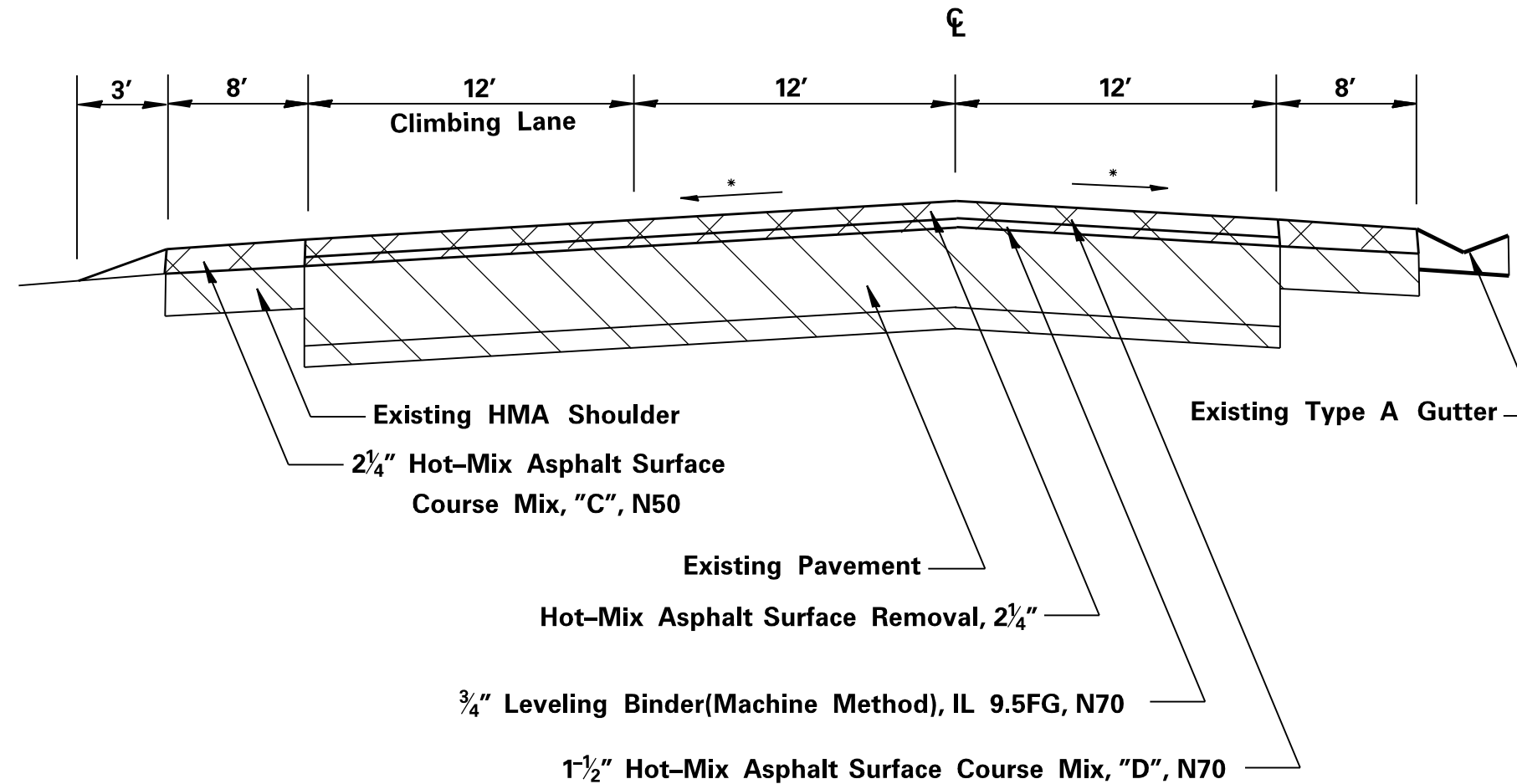
\* Match existing slope  
Minimum  $\frac{1}{8}$ "/ft cross slope

All Bituminous Mixtures: 112lb/sq. yd/inch

FILE NAME =	USER NAME = fasslermj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>US 20 TYPICAL SECTIONS</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = Jan-23-2018 09:03:59 AM	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								
					SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		



# TYPICAL SECTIONS US 20 STATIONS 1664 + 58 - 1673 + 22



\* Match existing slope  
Minimum 1/8"ft cross slope

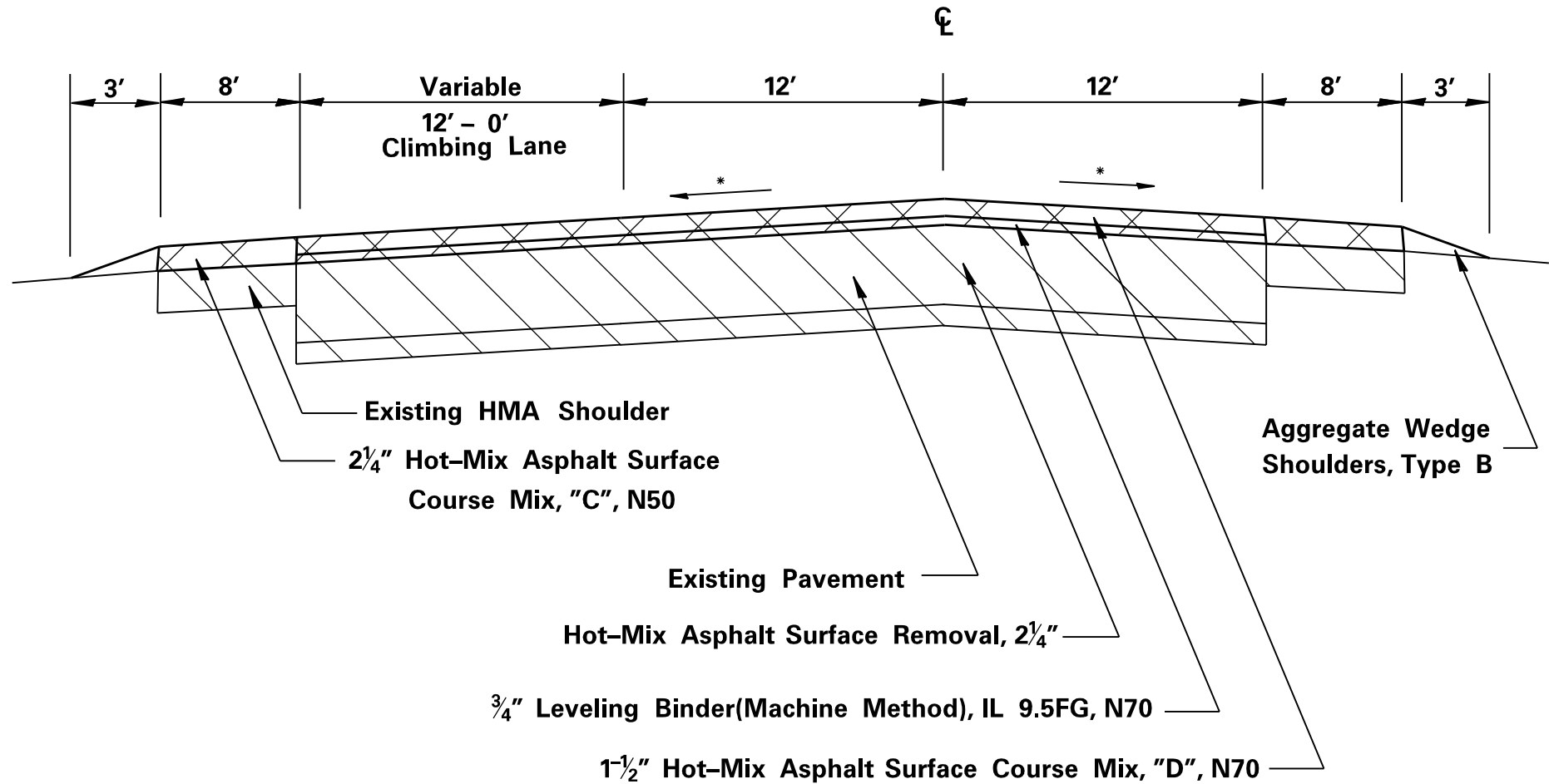
All Bituminous Mixtures: 112lb/sq. yd/inch

FILE NAME =	USER NAME = fasslermj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>US 20 TYPICAL SECTIONS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
pw:\IL\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 2\Projects\2017\Drawings\CADsheets\200715-sh-typical		DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	301	26RS-7	JODAVIESS	54	11
Default	PLOT SCALE = 200.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 64K60											
	PLOT DATE = Jan-23-2018 09:05:51 AM	DATE -	REVISED -		ILLINOIS FED. AID PROJECT											



# TYPICAL SECTIONS US 20 STATIONS

1723 + 78 – 1725 + 85



\* Match existing slope  
Minimum 1/8" / ft cross slope

All Bituminous Mixtures: 112lb/sq. yd/inch

FILE NAME =	USER NAME = fasslermj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>US 20 TYPICAL SECTIONS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Default	PLOT SCALE = 200.0000' / in.	DATE	REVISED			SCALE:    SHEET    OF    SHEETS    STA.    TO    STA.		CONTRACT NO. 64K60			
	PLOT DATE = Jan-23-2018 09:06:52 AM	DATE	REVISED			ILLINOIS FED. AID PROJECT					



40600990 TEMPORARY RAMP

LOCATION	REMARK	SQ YD
1635 + 52	All ramps are 7.5' long	30.0
1725 + 85		20.8
Galena Oaks		32.3
Derinda Rd		31.7
Read Rd,		25.3
Krohmer Rd.	18.3	
<b>TOTAL</b>		<b>158</b>

44004250 PAVED SHOULDER REMOVAL

LOCATION	REMARK	SQ YD
1679 + 15	Lt Shoulder - 6' long	5.3
1680 + 09	Lt Shoulder - 6' long	5.3
1685 + 67 - 1686 + 57	Lt & Rt Shoulders along 90' Patch	160.0
1692 + 47	Lt Shoulder - 6' long	5.3
<b>TOTAL</b>		<b>176</b>

60100060 CONCRETE HEADWALL FOR PIPE DRAIN

LOCATION	REMARK	EACH
1684 + 50	Lt Drain in ditch	1
<b>TOTAL</b>		<b>1</b>

60108106 PIPE UNDERDRAINS, TYPE 1, 6 INCH

LOCATION	REMARK	FOOT
1676 + 75 - 1684 + 50	Lt Drain in ditch	775
<b>TOTAL</b>		<b>775</b>

602555000 MANHOLES TO BE ADJUSTED

LOCATION	REMARK	EACH
1658 + 04	Rt	1
<b>TOTAL</b>		<b>1</b>

60260100 INLETS TO BE ADJUSTED

LOCATION	REMARK	EACH
1658 + 04	Lt	1
<b>TOTAL</b>		<b>1</b>

64200108 SHOULDER RUMBLE STRIPS, 8 INCH

LOCATION	REMARK	FOOT
1635 + 00	1725 + 85	18170
<b>TOTAL</b>		<b>18170</b>

70300100 SHORT TERM PAVEMENT MARKING

LOCATION	REMARK	FOOT
YELLOW		
1635 + 00 - 1725 + 85	Centerline - 3 applications	2725.5
<b>YELLOW Total =</b>		<b>2725.5</b>

WHITE

1635 + 00 - 1725 + 85	Shoulders - 2 applications	3634.0
1635 + 00 - 1723 + 78	Climbing lane - 3 applicatio	2663.4
1637 + 62 - 1640 + 19	Rt Turn Lane - 3 applications	48.0
1637 + 62 - 1640 + 19	Rt Turn Arrows - 3 applications	48.0
1661 + 12 - 1663 + 99	Rt Turn Lane - 3 applications	48.0
1661 + 12 - 1663 + 99	Rt Turn Arrows - 3 applications	48.0
1716 + 47 - 1720 + 00	Rt Turn Lane - 3 applications	48.0
1716 + 47 - 1720 + 00	Rt Turn Arrows - 3 applications	48.0
<b>WHITE Total</b>		<b>6585.4</b>
<b>TOTAL</b>		<b>9311</b>

70300150 SHORT TERM PAVEMENT MARKING REMOVAL

LOCATION	REMARK	SQ FT
1635 + 00 - 1725 + 85		1218.8
<b>TOTAL</b>		<b>1219</b>

78000100 THERMOPLASTIC PAVEMENT MARKING -LETTERS AND SYMBOLS

LOCATION	REMARK	SQ FT
WHITE		
1637 + 62 - 1640 + 19	3 Rt Turn Arrows - Derinda	46.8
1661 + 12 - 1663 + 99	3 Rt Turn Arrows - Read Rd.	46.8
1716 + 47 - 1720 + 00	3 Rt Turn Arrow Galena Oaks Rd	46.8
<b>TOTAL</b>		<b>140</b>

78000500	THERMOPLASTIC PAVEMENT MARKING – LINE 8"		
<u>LOCATION</u>	<u>REMARK</u>		<u>FOOT</u>
WHITE			
1636 + 37 – 1637 + 62	Skip Dash		31.3
1637 + 62 – 1640 + 19	Rt Turn Ln		257.0
1658 + 70 – 1661 + 12	Skip Dash		60.5
1661 + 12 – 1663 + 99	Lt Turn Ln		287.0
1714 + 19 – 1716 + 47	Skip Dash		57.0
1716 + 47 – 1720 + 00	Rt Turn Ln		353.0
	<b>TOTAL</b>		<b>1015</b>

78001110	PAINT PAVEMENT MARKING – LINE 4 INCH		
<u>LOCATION</u>	<u>REMARK</u>	( 2 Applications)	<u>FOOT</u>
YELLOW			
1635 + 00 – 1725 + 85	Double yellow		18,170
		<b>TOTAL YELL</b>	<b>18,170</b>
WHITE			
1635 + 00 – 1725 + 85 Rt	Lt & Rt Edge Line		18,170
		<b>TOTAL WHITE =</b>	<b>18,170</b>
		<b>TOTAL PAINT</b>	<b>36,340</b>
		<b>x 2 Applicat</b>	<b>72,680</b>

78001130	PAINT PAVEMENT MARKING – LINE 6 INCH		
<u>LOCATION</u>	<u>REMARK</u>	( 2 Applications)	<u>FOOT</u>
WHITE			
1635 + 00 – 1723 + 78 Lt	Climbing Lane Skips		2,220
		<b>TOTAL</b>	<b>2,220</b>
		<b>x 2 Applicat</b>	<b>4,439</b>

78100100	RAISED REFLECTIVE PAVEMENT MARKERS		
<u>LOCATION</u>	<u>REMARK</u>		<u>EACH</u>
2 Way			
YELLOW			
1635 + 00 – 1725 + 85			228
		<b>Total two-w</b>	<b>228</b>
One-way			
WHITE			
1635 + 00 – 1723 + 78	Climbing Lane		112
1637 + 62 – 1640 + 19	Rt Turn Lane – Derinda Rd.		7
1661 + 12 – 1663 + 99	Rt Turn Lane – Read Rd.		8
1716 + 47 – 1720 + 00	Rt Turn Lane – Galena Oaks Rd.		69
		<b>Total one-w</b>	<b>196</b>
	<b>TOTAL</b>		<b>424</b>

78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL		
<u>LOCATION</u>	<u>REMARK</u>		<u>EACH</u>
1635 + 52 – 1725 + 85			181
		<b>TOTAL</b>	<b>181</b>

X2830495	AGGREGATE DITCH SPECIAL		
<u>LOCATION</u>	<u>REMARK</u>		<u>TON</u>
1676 + 75 – 1684 + 50 Lt	Drain in ditch		353.1
1679 + 00 – 1680 + 50 Lt	Shoulder drain		22.8
1679 + 00 Lt	Lateral drain – 2' x 16'		4.9
1679 + 75 Lt	Lateral drain – 2' x 14'		4.3
1680 + 50 Lt	Lateral drain – 2' x 14'		4.3
	<b>TOTAL</b>		<b>389</b>

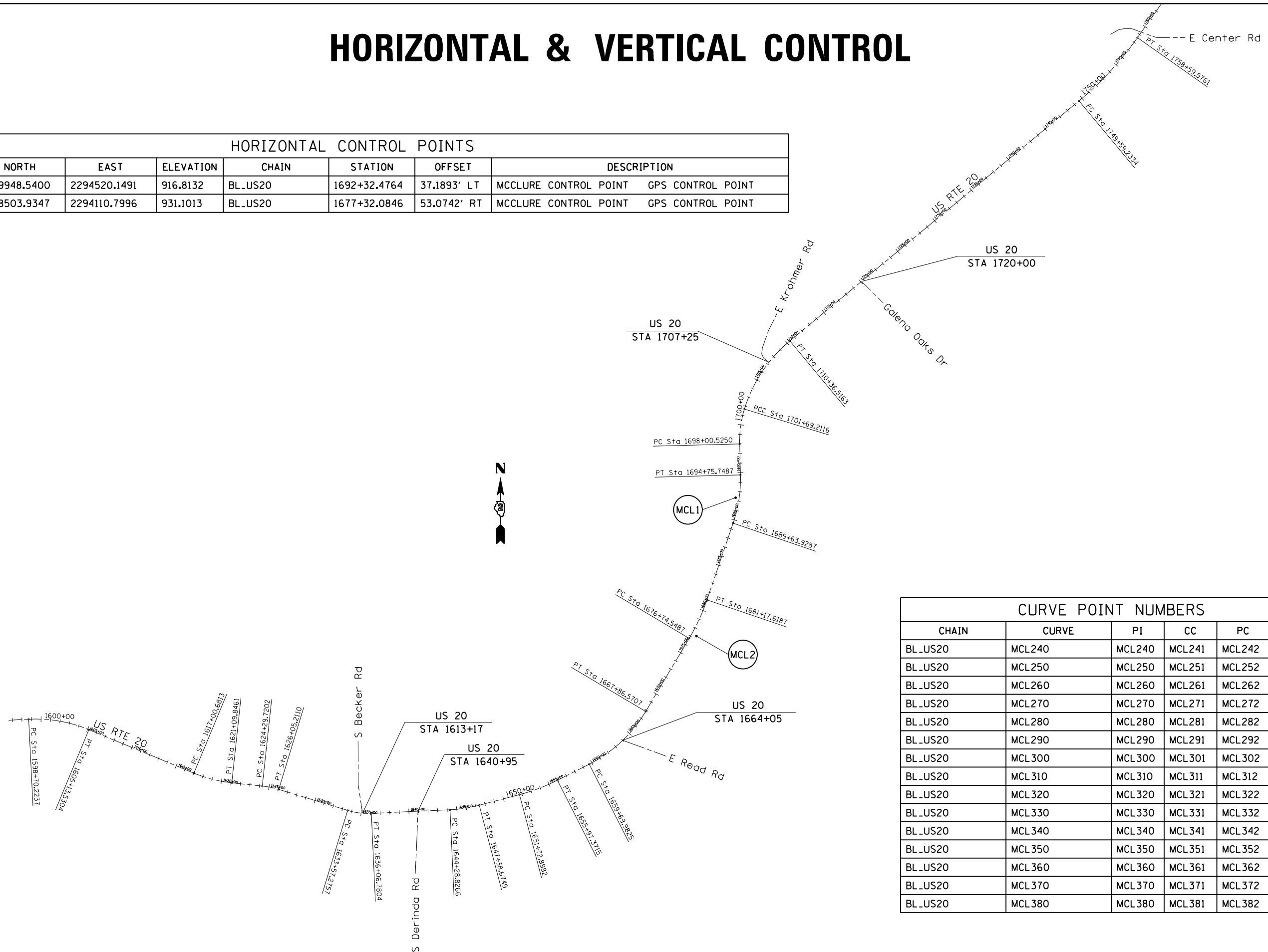
Z0005300	BOX CULVERTS TO BE CLEANED		
<u>LOCATION</u>	<u>REMARK</u>		<u>EACH</u>
1687 + 25	150' – Pipe Culvert 30"		1
	<b>TOTAL</b>		<b>1.0</b>

Z0028415	GEOTECHNICAL REINFORCEMENT		
<u>LOCATION</u>	<u>REMARK</u>		<u>SQ_YD</u>
1685 + 67 – 1686 + 57	90' Patch, 54' wide		540
	Contingency for under patches		200
	<b>TOTAL</b>		<b>740.0</b>



# HORIZONTAL & VERTICAL CONTROL

HORIZONTAL CONTROL POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
MCL1	2059948.5400	2294520.1491	916.8132	BL_US20	1692+32.4764	37.1893' LT	MCCLURE CONTROL POINT GPS CONTROL POINT
MCL2	2058503.9347	2294110.7996	931.1013	BL_US20	1677+32.0846	53.0742' RT	MCCLURE CONTROL POINT GPS CONTROL POINT



CURVE POINT NUMBERS					
CHAIN	CURVE	PI	CC	PC	PT
BL_US20	MCL240	MCL240	MCL241	MCL242	MCL243
BL_US20	MCL250	MCL250	MCL251	MCL252	MCL253
BL_US20	MCL260	MCL260	MCL261	MCL262	MCL263
BL_US20	MCL270	MCL270	MCL271	MCL272	MCL273
BL_US20	MCL280	MCL280	MCL281	MCL282	MCL283
BL_US20	MCL290	MCL290	MCL291	MCL292	MCL293
BL_US20	MCL300	MCL300	MCL301	MCL302	MCL303
BL_US20	MCL310	MCL310	MCL311	MCL312	MCL313
BL_US20	MCL320	MCL320	MCL321	MCL322	MCL323
BL_US20	MCL330	MCL330	MCL331	MCL332	MCL333
BL_US20	MCL340	MCL340	MCL341	MCL342	MCL343
BL_US20	MCL350	MCL350	MCL351	MCL352	MCL353
BL_US20	MCL360	MCL360	MCL361	MCL362	MCL363
BL_US20	MCL370	MCL370	MCL371	MCL372	MCL373
BL_US20	MCL380	MCL380	MCL381	MCL382	MCL383

Chain BL\_US20 contains:  
MCL240 CUR MCL250 CUR MCL260 CUR MCL270 CUR MCL280  
CUR MCL290 CUR MCL300 CUR MCL310 CUR MCL320 CUR MCL330  
CUR MCL340 CUR MCL350 CUR MCL360 MCL370

# HORIZONTAL & VERTICAL CONTROL

Beginning chain BL\_US20 description  
=====

Point MCL240 N 2,057,607.8244 E 2,286,602.2736 Sta 1593+30.8803

Course from PT MCL280 to PC MCL290 87° 21' 48.6993" Dist 822.0462'

Curve Data  
\*\*\*\*\*

Course from PI MCL240 to PC MCL250 87° 06' 58.1527" Dist 540.1640'

Curve Data  
\*\*\*\*\*

**Curve MCL330**  
P.I. Station 1692+22.5578 N 2,059,927.2888 E 2,294,577.8506  
Delta = 20° 19' 46.9908" (LT)  
Degree = 3° 58' 19.3613"  
Tangent = 258.6291'  
Length = 511.8200'  
Radius = 1,442.4757'  
External = 23.0021'  
Long Chord = 509.1394'  
Mid. Ord. = 22.6411'  
P.C. Station 1689+63.9287 N 2,059,682.5064 E 2,294,494.3605  
P.T. Station 1694+75.7487 N 2,060,185.8298 E 2,294,571.0971  
C.C. N 2,060,148.1630 E 2,293,129.1133

Curve Data  
\*\*\*\*\*

**Curve MCL250**  
P.I. Station 1601+97.2410 N 2,057,651.4535 E 2,287,468.3567  
Delta = 25° 22' 40.8101" (RT)  
Degree = 3° 56' 41.7506"  
Tangent = 327.0173'  
Length = 643.3067'  
Radius = 1,452.3900'  
External = 36.3601'  
Long Chord = 638.0609'  
Mid. Ord. = 35.4721'  
P.C. Station 1598+70.2237 N 2,057,635.0008 E 2,287,141.7535  
P.T. Station 1605+13.5304 N 2,057,526.3402 E 2,287,770.4940  
C.C. N 2,056,184.4501 E 2,287,214.8253

**Curve MCL290**  
P.I. Station 1645+84.3372 N 2,056,696.9465 E 2,291,694.4577  
Delta = 12° 10' 59.2686" (LT)  
Degree = 3° 55' 55.0762"  
Tangent = 155.5105'  
Length = 309.8483'  
Radius = 1,457.1791'  
External = 8.2746'  
Long Chord = 309.2649'  
Mid. Ord. = 8.2278'  
P.C. Station 1644+28.8266 N 2,056,689.7932 E 2,291,539.1118  
P.T. Station 1647+38.6749 N 2,056,736.7224 E 2,291,844.7953  
C.C. N 2,058,145.4298 E 2,291,472.0831

Course from PT MCL330 to PC MCL340 358° 30' 13.2844" Dist 324.7764'

Curve Data  
\*\*\*\*\*

Course from PT MCL250 to PC MCL260 112° 29' 38.9627" Dist 1,187.1509'

Curve Data  
\*\*\*\*\*

**Curve MCL340**  
P.I. Station 1699+86.4969 N 2,060,696.4038 E 2,294,557.7602  
Delta = 18° 33' 25.3712" (RT)  
Degree = 5° 01' 59.8269"  
Tangent = 185.9718'  
Length = 368.6866'  
Radius = 1,138.3376'  
External = 15.0912'  
Long Chord = 367.0772'  
Mid. Ord. = 14.8938'  
P.C. Station 1698+00.5250 N 2,060,510.4954 E 2,294,562.6164  
P.T. Station 1701+69.2116 N 2,060,874.1918 E 2,294,612.3216  
C.C. N 2,060,540.2203 E 2,295,700.5658

Curve Data  
\*\*\*\*\*

**Curve MCL260**  
P.I. Station 1619+06.6663 N 2,056,993.3415 E 2,289,057.6381  
Delta = 16° 21' 59.9201" (LT)  
Degree = 4° 00' 00.0451"  
Tangent = 205.9850'  
Length = 409.1648'  
Radius = 1,432.3900'  
External = 14.7351'  
Long Chord = 407.7751'  
Mid. Ord. = 14.5850'  
P.C. Station 1617+00.6813 N 2,057,072.1491 E 2,288,867.3248  
P.T. Station 1621+09.8461 N 2,056,971.3543 E 2,289,262.4462  
C.C. N 2,058,395.5608 E 2,289,415.3417

**Curve MCL300**  
P.I. Station 1653+85.9176 N 2,056,902.2719 E 2,292,470.5080  
Delta = 12° 01' 36.7913" (LT)  
Degree = 2° 50' 00.1210"  
Tangent = 213.0194'  
Length = 424.4733'  
Radius = 2,022.1800'  
External = 11.1889'  
Long Chord = 423.6944'  
Mid. Ord. = 11.1274'  
P.C. Station 1651+72.8982 N 2,056,847.7865 E 2,292,264.5745  
P.T. Station 1655+97.3715 N 2,056,998.4718 E 2,292,660.5681  
C.C. N 2,058,802.7006 E 2,291,747.3484

Curve Data  
\*\*\*\*\*

Course from PT MCL260 to PC MCL270 96° 07' 39.0426" Dist 319.8741'

Curve Data  
\*\*\*\*\*

Course from PT MCL300 to PC MCL310 63° 09' 12.6395" Dist 372.6111'

Curve Data  
\*\*\*\*\*

**Curve MCL270**  
P.I. Station 1625+17.7274 N 2,056,927.8164 E 2,289,667.9972  
Delta = 10° 49' 18.9752" (RT)  
Degree = 6° 10' 00.0179"  
Tangent = 88.0072'  
Length = 175.4907'  
Radius = 929.1200'  
External = 4.1588'  
Long Chord = 175.2300'  
Mid. Ord. = 4.1402'  
P.C. Station 1624+29.7202 N 2,056,937.2105 E 2,289,580.4928  
P.T. Station 1626+05.2110 N 2,056,902.1599 E 2,289,752.1815  
C.C. N 2,056,013.3987 E 2,289,481.3172

**Curve MCL310**  
P.I. Station 1663+89.5240 N 2,057,356.2092 E 2,293,367.3422  
Delta = 32° 24' 38.3760" (LT)  
Degree = 3° 58' 08.5213"  
Tangent = 419.5415'  
Length = 816.5882'  
Radius = 1,443.5700'  
External = 59.7295'  
Long Chord = 805.7443'  
Mid. Ord. = 57.3563'  
P.C. Station 1659+69.9825 N 2,057,166.7436 E 2,292,993.0191  
P.T. Station 1667+86.5707 N 2,057,716.7926 E 2,293,581.8059  
C.C. N 2,058,454.7251 E 2,292,341.1005

**Curve MCL350**  
P.I. Station 1706+15.4411 N 2,061,300.7847 E 2,294,743.2387  
Delta = 33° 13' 40.0666" (RT)  
Degree = 3° 49' 52.1618"  
Tangent = 446.2295'  
Length = 867.3047'  
Radius = 1,495.5219'  
External = 65.1531'  
Long Chord = 855.2017'  
Mid. Ord. = 62.4332'  
P.C. Station 1701+69.2116 N 2,060,874.1918 E 2,294,612.3216  
P.T. Station 1710+36.5163 N 2,061,585.8904 E 2,295,086.5105  
C.C. N 2,060,435.4277 E 2,296,042.0320

Curve Data  
\*\*\*\*\*

Course from PT MCL270 to PC MCL280 106° 56' 58.0178" Dist 752.0647'

Curve Data  
\*\*\*\*\*

Course from PT MCL310 to PC MCL320 30° 44' 34.2634" Dist 887.9780'

Curve Data  
\*\*\*\*\*

**Curve MCL280**  
P.I. Station 1634+83.2572 N 2,056,646.1849 E 2,290,592.0875  
Delta = 19° 35' 09.3185" (LT)  
Degree = 7° 50' 59.7112"  
Tangent = 125.9816'  
Length = 249.5047'  
Radius = 729.8900'  
External = 10.7926'  
Long Chord = 248.2917'  
Mid. Ord. = 10.6354'  
P.C. Station 1633+57.2757 N 2,056,682.9121 E 2,290,471.5783  
P.T. Station 1636+06.7804 N 2,056,651.9800 E 2,290,717.9357  
C.C. N 2,057,381.0974 E 2,290,684.3616

**Curve MCL320**  
P.I. Station 1678+96.8848 N 2,058,671.0744 E 2,294,149.3827  
Delta = 11° 54' 33.9882" (LT)  
Degree = 2° 41' 16.5721"  
Tangent = 222.3361'  
Length = 443.0700'  
Radius = 2,131.5896'  
External = 11.5640'  
Long Chord = 442.2728'  
Mid. Ord. = 11.5017'  
P.C. Station 1676+74.5487 N 2,058,479.9832 E 2,294,035.7277  
P.T. Station 1681+17.6187 N 2,058,881.5069 E 2,294,221.1567  
C.C. N 2,059,569.6216 E 2,292,203.6899

Course from PT MCL350 to PC MCL360 50° 17' 18.7223" Dist 3,922.7171'

Curve Data  
\*\*\*\*\*

**Curve MCL360**  
P.I. Station 1754+12.0353 N 2,064,381.5048 E 2,298,452.4734  
Delta = 15° 07' 09.7511" (LT)  
Degree = 1° 40' 45.4482"  
Tangent = 452.8019'  
Length = 900.3427'  
Radius = 3,411.9026'  
External = 29.9151'  
Long Chord = 897.7327'  
Mid. Ord. = 29.6551'  
P.C. Station 1749+59.2334 N 2,064,092.1997 E 2,298,104.1457  
P.T. Station 1758+59.5761 N 2,064,751.6500 E 2,298,713.2839  
C.C. N 2,066,716.8799 E 2,295,924.2068

Course from PT MCL360 to PI MCL370 35° 10' 08.9712" Dist 2253.3014'

Point MCL370 N 2,066,593.6226 E 2,300,011.1683 Sta 1781+12.8775

=====

Ending chain BL\_US20 description

FILE NAME =	USER NAME = fasslermj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>US 20 HORIZONTAL &amp; VERTICAL CONTROL</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 2\Projects\2007\DRAWING\DATA\Sheets\200715-sht-ATB.dgn		CHECKED -	REVISED -		301	26RS-7	JODAVIESS	54	18				
PLOT SCALE = 1000.0000 " / in.		DATE -	REVISED -		CONTRACT NO. 64K60								
Default	PLOT DATE = Jan-22-2018 01:33:11 PM				SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	

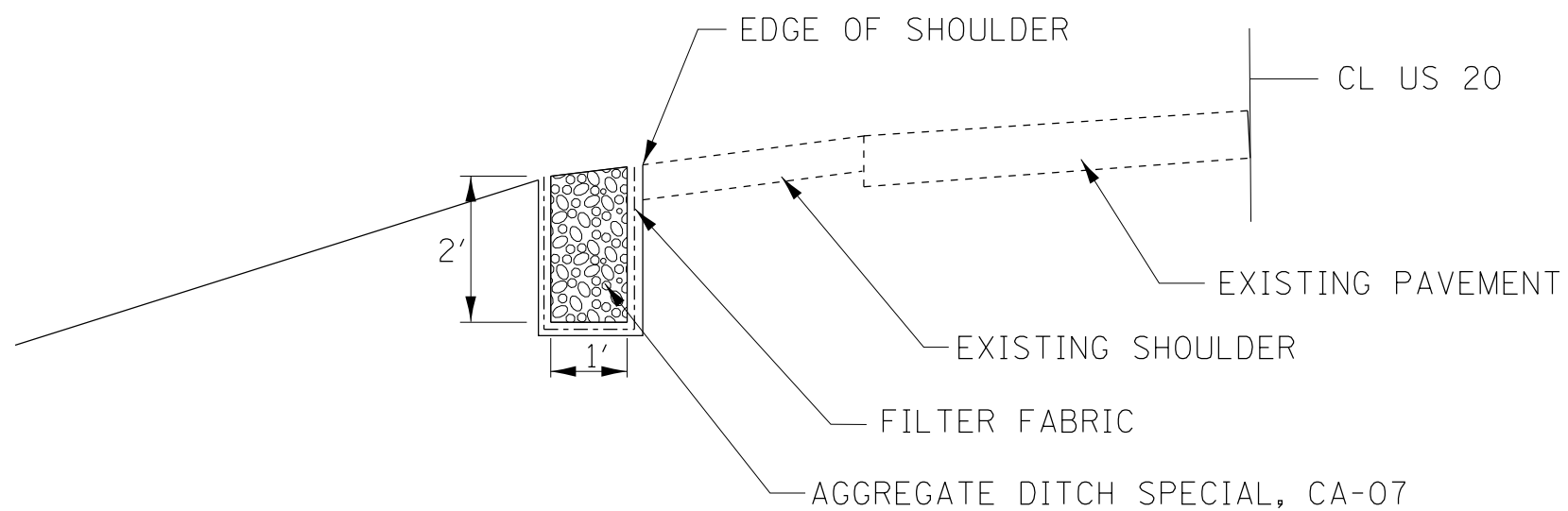






# AGGREGATE DRAIN ALONG EDGE OF SHOULDER

LT STA 1679+00 TO 1684+57



NOTE: THE PIPE DRAIN WILL DAYLIGHT  
IN THE LAST 100'.

FILE NAME =	USER NAME = fasslermj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>US 20 AGGREGATE DITCH DRAIN DETAILS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 2\Projects\2017\Drawings\CA0\Drawings\201715-shd-detailed.dwg		CHECKED -	REVISED -			301	26RS-7	JODAVIESS	54	22	
Default	PLOT SCALE = 100.0000' / 1" =	DATE -	REVISED -			SCALE: SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 64K60			
	PLOT DATE = Jan-22-2018 01:36:51 PM	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					











35101400

\*X4060110\*

\*\*40800050\*\*

STATION	REMARKS	MAT.	PROPOSED SURFACE AREA	AGGREGATE BASE COURSE TYPE B	BITUMINOUS MATERIALS (TACK COAT) (1 APPLICATION)	INCIDENTAL HOT-MIX ASPHALT SURFACING
			SQ YD	TON	POUND	TON
1638 + 52 LT	PE	BIT	32.7		14.7	5.0
1641 + 18 LT	PE	BIT	36.7		16.5	5.7
1657 + 06 LT	PE	BIT	21.4		9.6	3.3
1665 + 60 LT	PE	BIT	288.2		129.7	44.4
1673 + 11 LT	PE	BIT	224.1		100.8	34.5
1676 + 30 LT	PE	BIT	161.6		72.7	24.9
1676 + 88 RT	FE	AGG	60.7	27.6		
1690 + 38 LT	PE	AGG	204.2		459.4	31.4
1690 + 93 RT	PE	AGG	211.0		474.8	32.5
1700 + 00 LT	PE	BIT	91.2		41.0	14.0
1718 + 37 LT	PE	BIT	114.9		51.7	17.7
1724 + 87 RT	FE	AGG	114.2	52.0		
<b>CONTINGENCY</b>				<b>40.0</b>		
<b>TOTAL</b>				<b>119.7</b>	<b>1371.0</b>	<b>213.4</b>

\* Bit Tack Coat Rate of Application = 0.05 Lbs /Sq Ft (Milled HMA, Old HMA), 0.25 Lbs/Sq Ft (over aggregate)

\*\* Hot-Mix Asphalt Rate of Application = 112 Lbs /Sq Yd /in

# CATCH BASIN OR INLETS TO BE ADJUSTED OR RECONSTRUCTED (DETAILS FOR CURB & GUTTER REPLACEMENT)

CONCRETE CURB AND GUTTER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 606 OF THE STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS, STANDARD 606001 AND THIS DRAWING.

CLASS S1 CONCRETE SHALL BE USED THROUGHOUT. A HOLE 1-1/2 IN DIAMETER AND 9 DEEP SHALL BE DRILLED IN THE EXISTING CONCRETE CURB AS SHOWN. A 1-1/4 X 18 SMOOTH DOWEL BAR SHALL BE GROUTED IN THE HOLE LONGITUDINALLY.

JOINTS OF A TYPE SIMILAR TO THAT IN THE UNDERLYING PAVEMENT (EXPANSION OR CONTRACTION) SHALL BE INSTALLED IN THE CONCRETE CURB IN ALIGNMENT WITH THE JOINTS IN THE PAVEMENT.

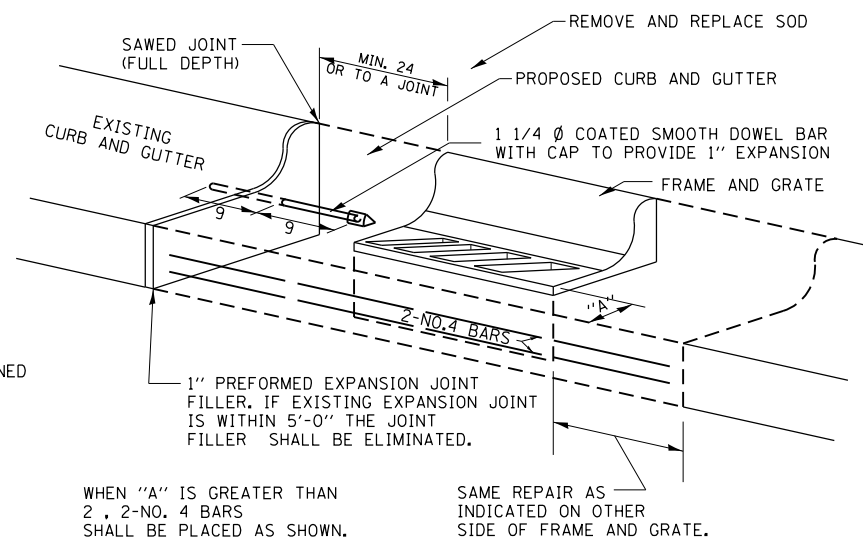
THE PROPOSED CONFIGURATION OF THE CURB AND GUTTER SHALL MATCH THAT REMOVED.

THE LOCATION OF THE DOWEL BAR SHALL BE DETERMINED BY THE ENGINEER.

ALL EXISTING TIE BARS IN EDGE OF PAVEMENT SLAB THRU REPLACEMENT AREA SHALL BE CUT OFF.

THE WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS AND INCLUDES THE REMOVAL AND REPLACEMENT OF SOD, CONCRETE PAVEMENT AND/OR CURB AND GUTTER ADJACENT TO CATCH BASINS OR INLETS TO BE ADJUSTED OR RECONSTRUCTED AND SHALL BE INCLUDED IN THE PAY ITEM OF CATCH BASINS OR INLETS TO BE ADJUSTED OR RECONSTRUCTED AS SPECIFIED.

REVISED - 9-30-11



ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

CATCH BASIN OR INLETS TO BE ADJUSTED OR RECONSTRUCTED 17.4

# HOT-MIX ASPHALT SHOULDER

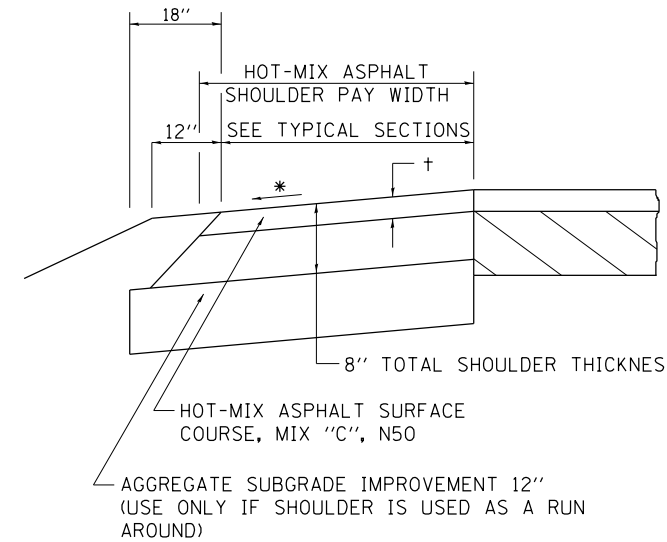
## GENERAL NOTES

THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 AND SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED.

USE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50. WHEN RESURFACING EXISTING HOT-MIX ASPHALT SHOULDERS. THE THICKNESS IS SHOWN ON THE TYPICAL SECTIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50.

REMOVAL OF MATERIAL FOR PLACEMENT OF THE HOT-MIX ASPHALT SHOULDER TO BE PAID FOR IN UNITS FOR EXCAVATING AND GRADING EXISTING SHOULDERS OR IN CUBIC YARDS FOR EARTH EXCAVATION OR EARTH EXCAVATION WIDENING.

\* 4% WHEN MAINLINE IS ON TANGENT. FOR CROSS SLOPE ON SUPERELEVATION SECTION, SEE HIGHWAY STANDARD 482001 OR 482006.

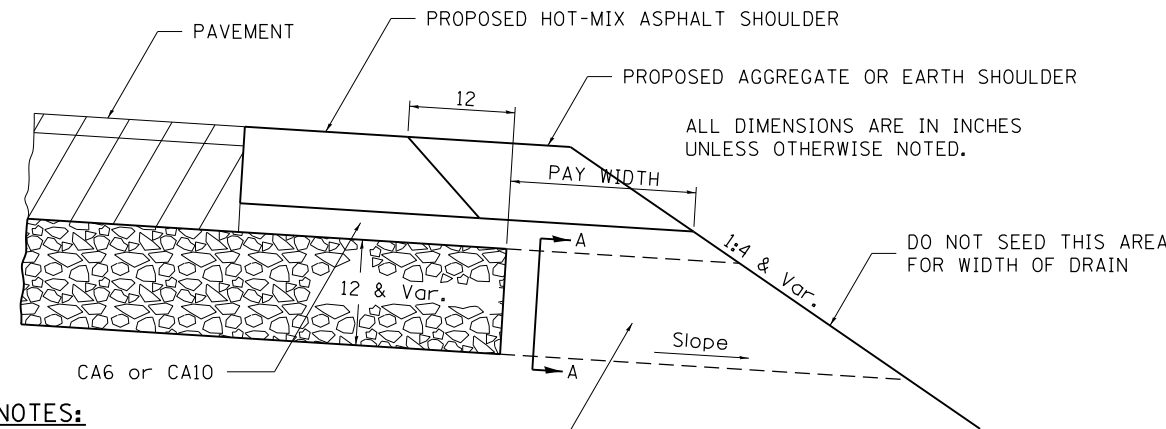


† = SEE TYPICAL SECTIONS FOR THICKNESS

REVISED - 1-05-16  
REVISED - 3-13-13

HOT-MIX ASPHALT SHOULDER 22.4

# DRAIN FOR AGGREGATE BASE COURSE



## NOTES:

The rock outlets shall be constructed using CA7 and will be paid for at the contract unit price per CUBIC YARD for FRENCH DRAINS. The thickness shall be the same as the adjacent sub-base material as noted on the plans and shall include the cost of the filter fabric. The Rock outlets will be measured in CU YD, the width being 36 by the length shown above. The cost of the CA6 or CA10 under the shoulder shall be included in the contract unit price per SQ. YD. for AGGREGATE SUBGRADE IMPROVEMENT of the thickness specified. The fabric to be used shall conform to the Geotechnical Fabric For French Drains

ROCK OUTLET AT ALL LOW POINTS TO BE 36 WIDE AND EXTEND TO FORESLOPE

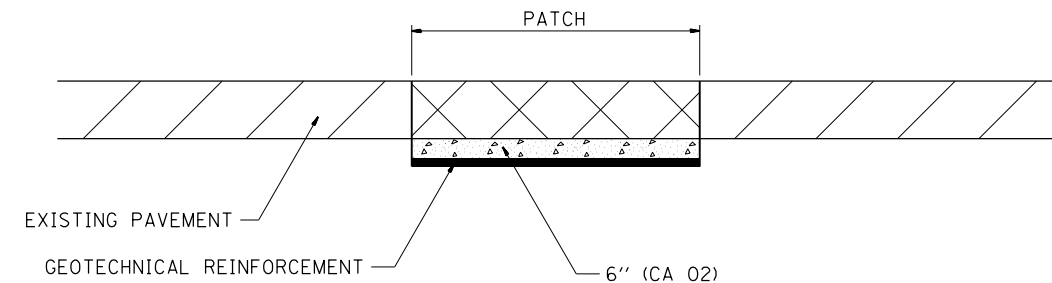


NOTE: Slope same as shoulder with 2% min.

REVISED - 8-27-13  
REVISED - 10-09-12

DRAIN FOR AGGREGATE BASE COURSE 96.4

# SUBGRADE REPLACEMENT



## NOTES:

THE CA 02 SHALL BE COMPACTED IN A MANNER APPROVED BY THE ENGINEER. IF THE MOISTURE CONTENT OF THE MATERIAL IS SUCH THAT COMPACTION SATISFACTORY TO THE ENGINEER CANNOT BE OBTAINED, SUFFICIENT WATER SHALL BE ADDED SO THAT SATISFACTORY COMPACTION CAN BE OBTAINED.

THE CA 02 SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CU YD FOR AGGREGATE SUBGRADE IMPROVEMENT WHICH SHALL ALSO INCLUDE ALL EARTH EXCAVATION.

THE GEOTECHNICAL REINFORCEMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQ YD FOR GEOTECHNICAL REINFORCEMENT.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 3-13-13  
REVISED -  
REVISED -  
REVISED -

REGION 2 / DISTRICT 2 STANDARD

SCALE: 100.0000' / 1" SHEET NO. OF SHEETS STA. TO STA.

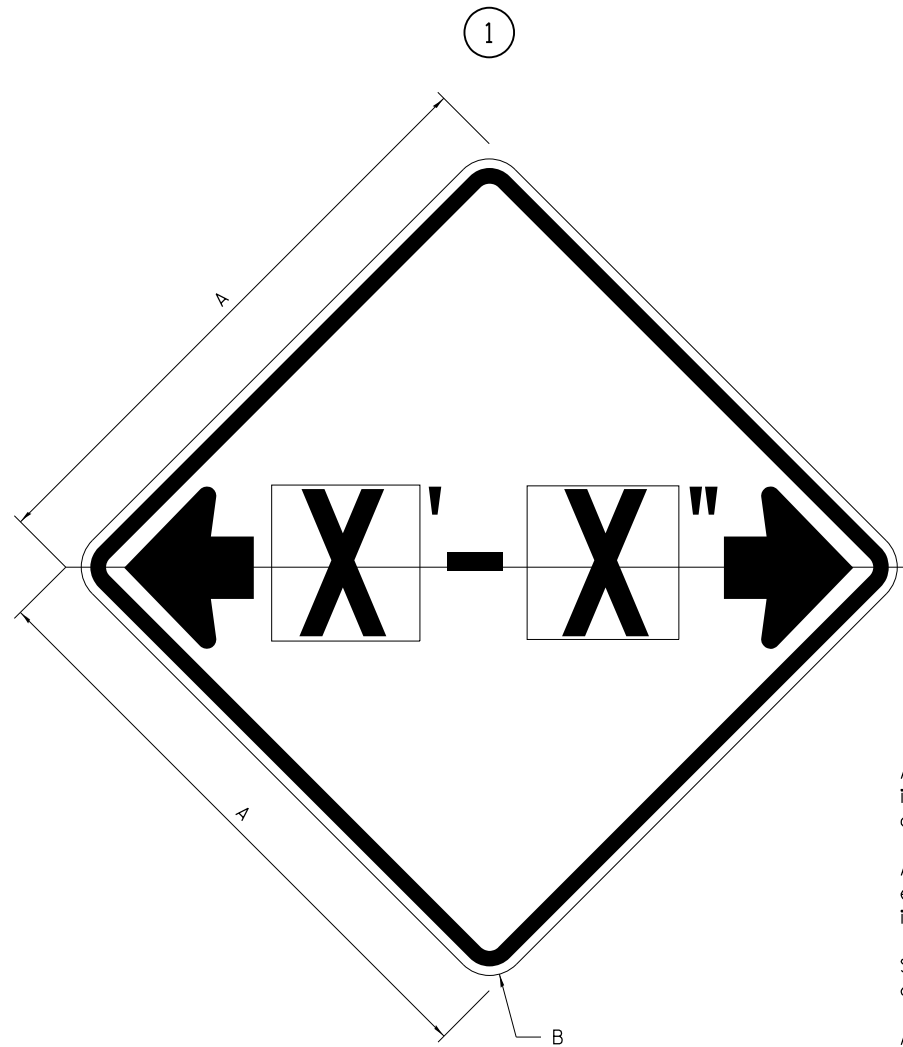
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	26RS-7	JODAVIESS	54	28
CONTRACT NO. 64K60				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SUBGRADE REPLACEMENT 97.4

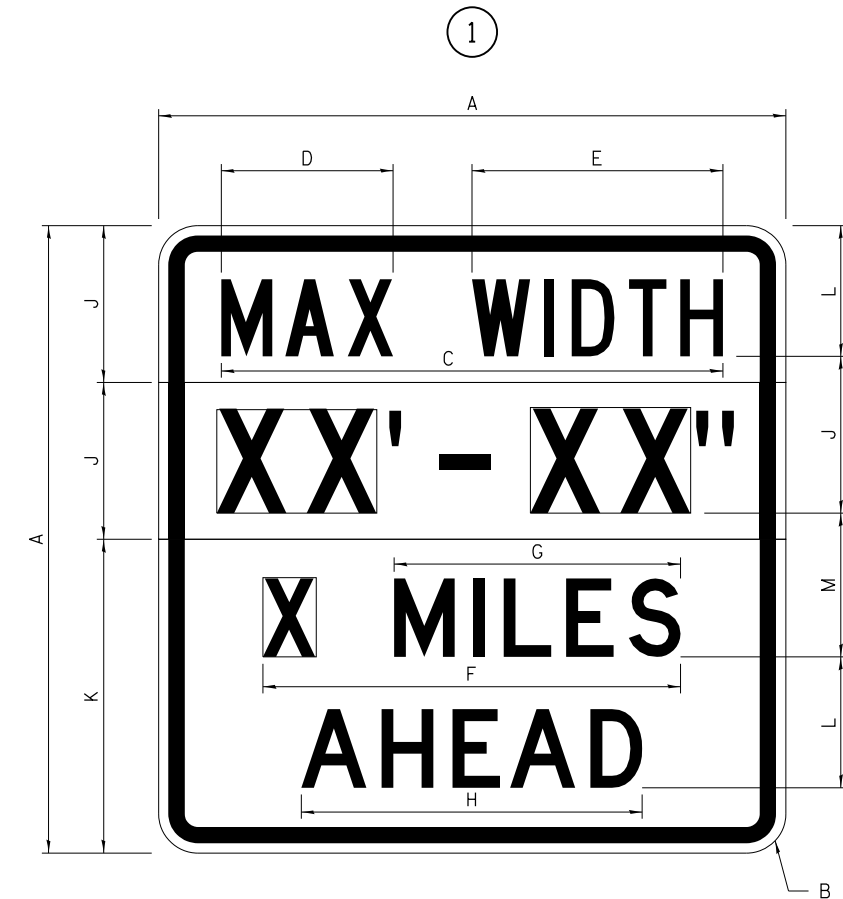


# WORK ZONE SIGN DETAILS

## ILLINOIS STANDARD W12-I102



## ILLINOIS STANDARD W12-I103



### GENERAL NOTES

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

COLOR      LEGEND AND BORDER      BLACK      NON-REFLECTORIZED  
 BACKGROUND      FL ORANGE      REFLECTORIZED

SIGN SIZE	DIMENSIONS	
	A	B
48 x 48	48.00	3.00

① Illinois Standard signs W12-I102 and W12-I103 shall be used as described in the special provisions.

SIGN SIZE	SERIES BY LINE	MARGIN	BORDER
	1		
48 x 48	12C	0.750	1.250

Sign not to scale

COLOR      LEGEND AND BORDER      BLACK      NON-REFLECTORIZED  
 BACKGROUND      WHITE      REFLECTORIZED  
 BACKGROUND (WIDTH)      FL ORANGE      REFLECTORIZED

SIGN SIZE	DIMENSIONS											
	A	B	C	D	E	F	G	H	J	K	L	M
48 x 48	48.00	3.00	38.40	13.20	19.20	32.00	22.00	26.20	12.00	24.00	10.00	11.00

SIGN SIZE	SERIES BY LINE				MARGIN	BORDER
	1	2	3	4		
48 x 48	6C	8D	6D	6D	0.750	1.250

Sign not to scale

XX'-XX" WIDTH AND X MILES ARE VARIABLE TOP AND BOTTOM OF BACKGROUND WHITE

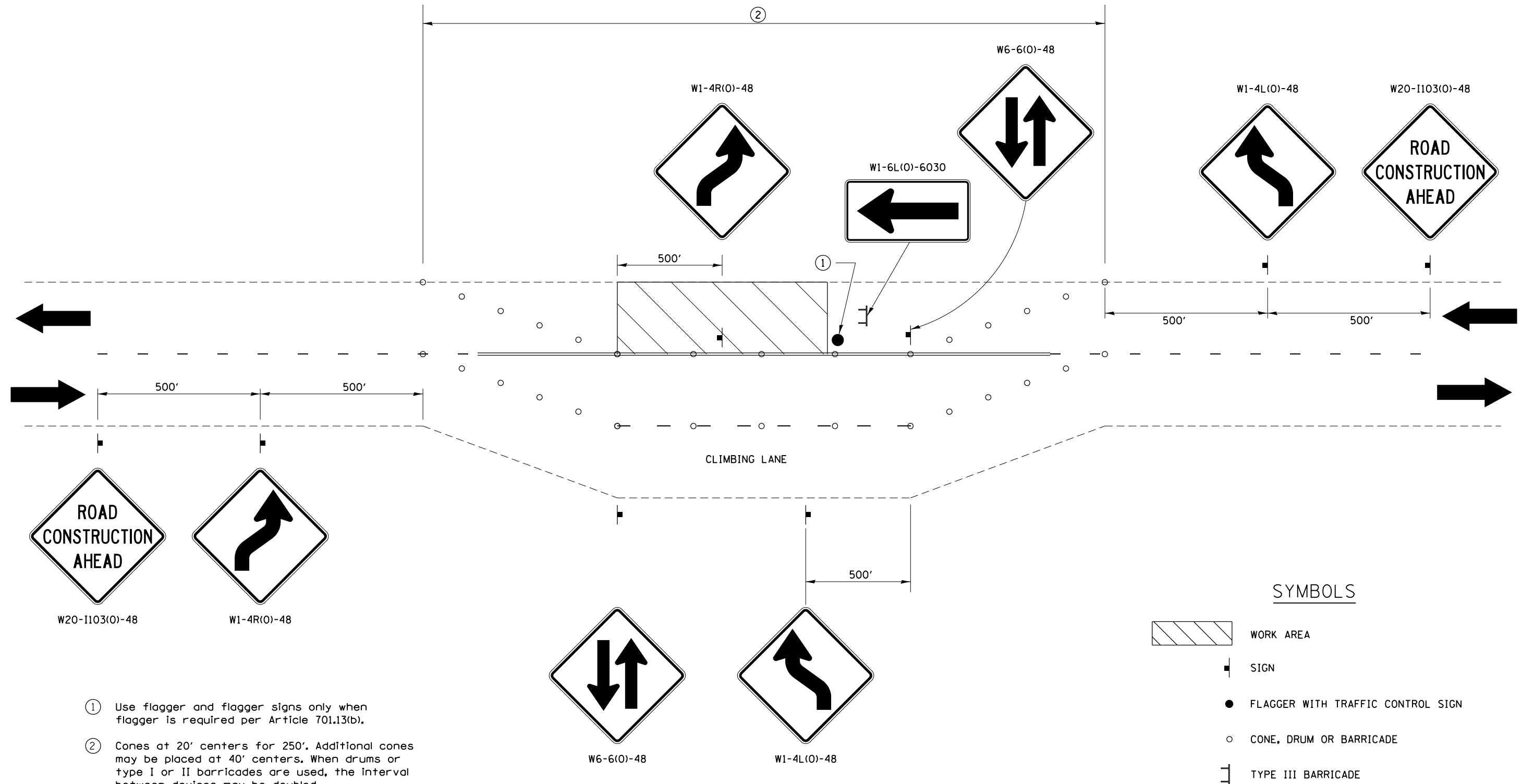
FILE NAME =	USER NAME = fasslermj	DESIGNED -	REVISED - 3-02-16	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>	F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PIDOT\Documents\DOT Offices\District 2\Projects\2017\Drawings\CA0\Drawings\0200715-shd-detail-1.dwg	DRAWN -	REVISED -	301			26RS-7	JO DAVIESS	54	30	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 64K60							
PLOT DATE = Jan-22-2018 01:40:01 PM	DATE -	REVISED -	SCALE:			SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.







# TRAFFIC CONTROL FOR THREE LANE SECTION CASE 1



- ① Use flagger and flagger signs only when flagger is required per Article 701.13(b).
- ② Cones at 20' centers for 250'. Additional cones may be placed at 40' centers. When drums or type I or II barricades are used, the interval between devices may be doubled.

### SYMBOLS

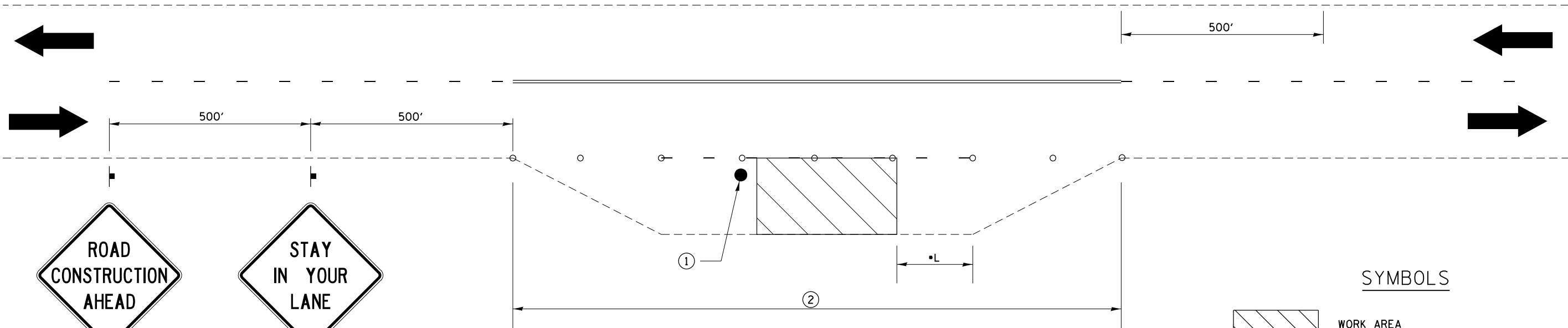
- WORK AREA
- SIGN
- FLAGGER WITH TRAFFIC CONTROL SIGN
- CONE, DRUM OR BARRICADE
- TYPE III BARRICADE

THIS TRAFFIC CONTROL DETAIL SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

FILE NAME =	USER NAME = fasslermj	DESIGNED -	REVISED - 1-05-16	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			REVISED - 8-27-13					301	26RS-7	JODAVIESS	54	33
		CHECKED -	REVISED - 7-30-13									
		DATE -	REVISED -									
	PLOT SCALE = 100.0000' / in.				SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	
	PLOT DATE = Jan-22-2018 01:41:58 PM											

# TRAFFIC CONTROL FOR THREE LANE SECTION CASE 2

W20-I103(0)-48



### SYMBOLS

- WORK AREA
- SIGN
- FLAGGER WITH TRAFFIC CONTROL SIGN
- CONE, DRUM OR BARRICADE

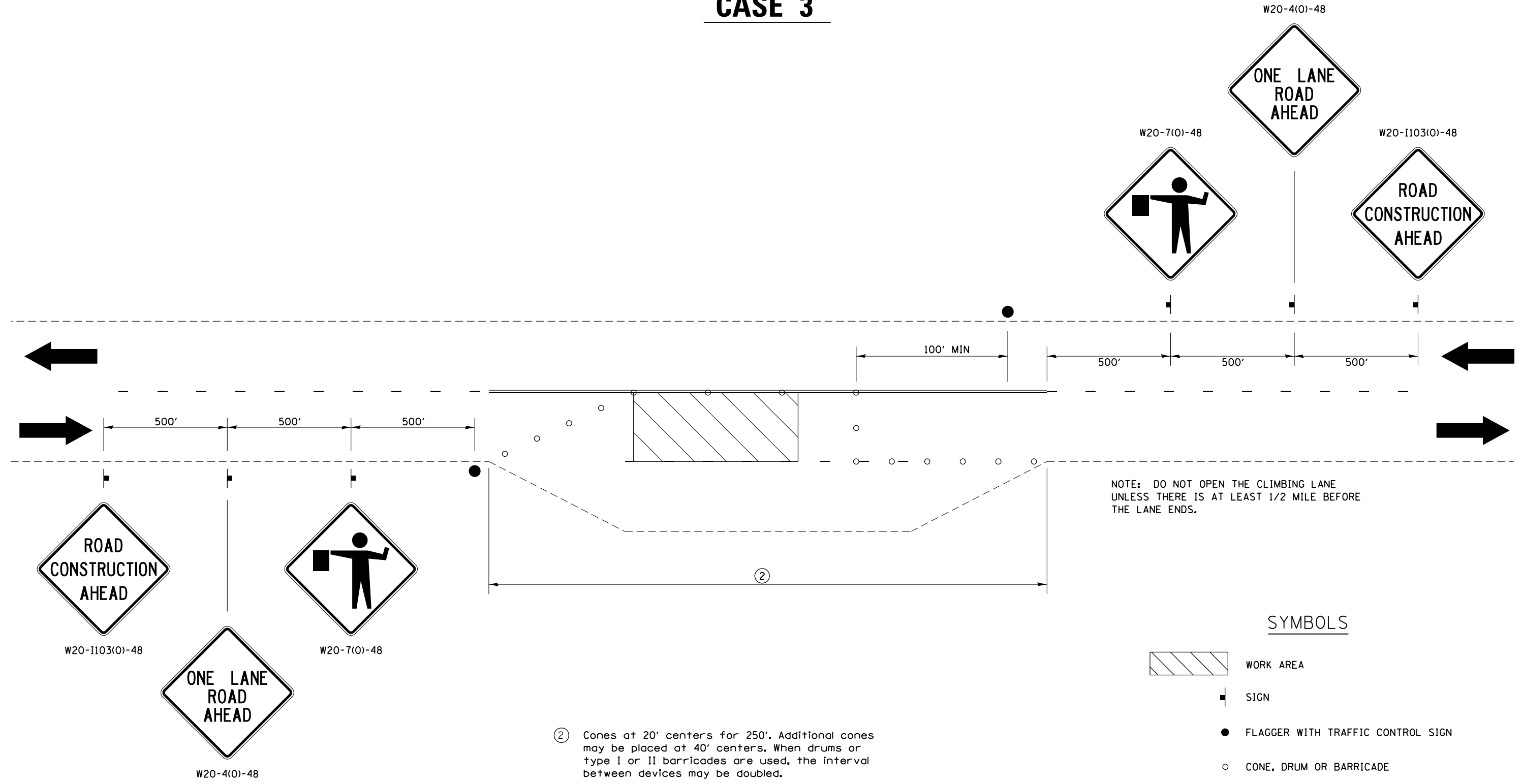
- ① Use flagger and flagger signs only when flagger is required per Article 701.13(b).
- ② Cones at 20' centers for 250'. Additional cones may be placed at 40' centers. When drums or type I or II barricades are used, the interval between devices may be doubled.

THIS TRAFFIC CONTROL DETAIL SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

\*IF THE WORK ENDS WITHIN 2500 FEET OF THE TRANSITION WHEN THE SPEED IS > 40 MPH OR 1500 FEET FOR ALL OTHER SPEEDS, THE CLIMBING LANE SHALL REMAIN CLOSED AS SHOWN.

FILE NAME =	USER NAME = fasslermj	DESIGNED -	REVISED - 1-05-16	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
			REVISED - 8-27-13			301	26RS-7	JODAVIESS	54	34	
		CHECKED -	REVISED - 7-30-13			SCALE:      SHEET NO.    OF    SHEETS    STA.            TO STA.		FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT			
		PLOT DATE = Jan-22-2018 01:42:30 PM	DATE -								

# TRAFFIC CONTROL FOR THREE LANE SECTION CASE 3



② Cones at 20' centers for 250'. Additional cones may be placed at 40' centers. When drums or type I or II barricades are used, the interval between devices may be doubled.

NOTE: DO NOT OPEN THE CLIMBING LANE UNLESS THERE IS AT LEAST 1/2 MILE BEFORE THE LANE ENDS.

### SYMBOLS

- WORK AREA
- SIGN
- FLAGGER WITH TRAFFIC CONTROL SIGN
- CONE, DRUM OR BARRICADE

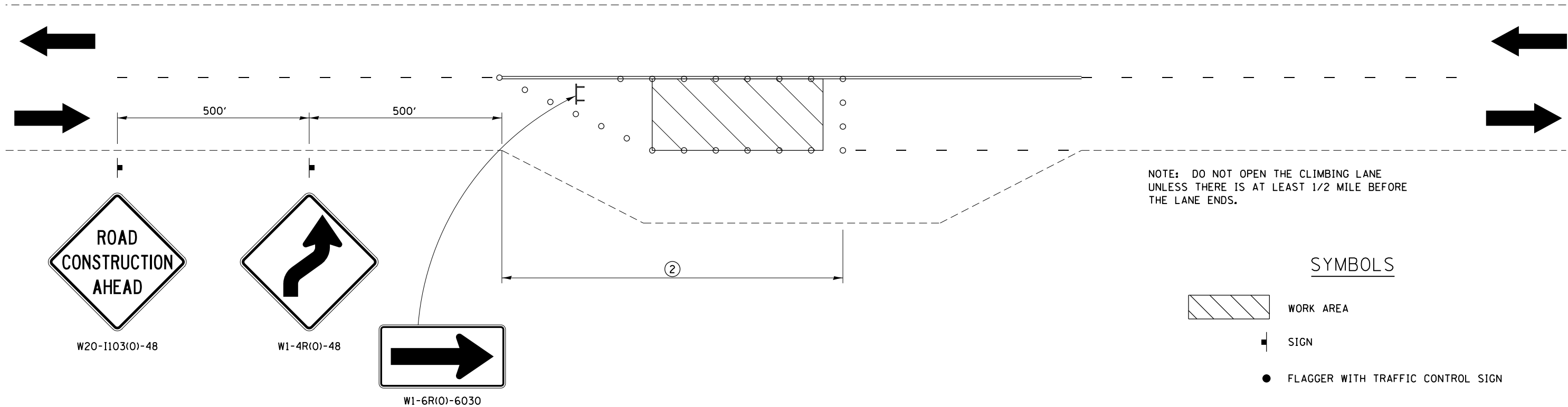
THIS TRAFFIC CONTROL DETAIL SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

FILE NAME =	USER NAME = fasslermj	DESIGNED -	REVISED - 1-05-16	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
			REVISED - 8-27-13			301	26RS-7	JODAVIESS	54	35	
			REVISED - 7-30-13			CONTRACT NO. 64K60					
			REVISED -			ILLINOIS FED. AID PROJECT					
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -	SCALE:		SHEET NO. OF SHEETS		STA. TO STA.			
PLOT DATE = Jan-22-2018 01:43:02 PM		DATE -	REVISED -	<b>TRAFFIC CONTROL FOR THREE LANE SECTION</b>							

# TRAFFIC CONTROL FOR THREE LANE SECTION

## CASE 4

W20-1103(O)-48



NOTE: DO NOT OPEN THE CLIMBING LANE UNLESS THERE IS AT LEAST 1/2 MILE BEFORE THE LANE ENDS.

### SYMBOLS

- WORK AREA
- SIGN
- FLAGGER WITH TRAFFIC CONTROL SIGN
- CONE, DRUM OR BARRICADE
- TYPE III BARRICADE

② Cones at 20' centers for 250'. Additional cones may be placed at 40' centers. When drums or type I or II barricades are used, the interval between devices may be doubled.

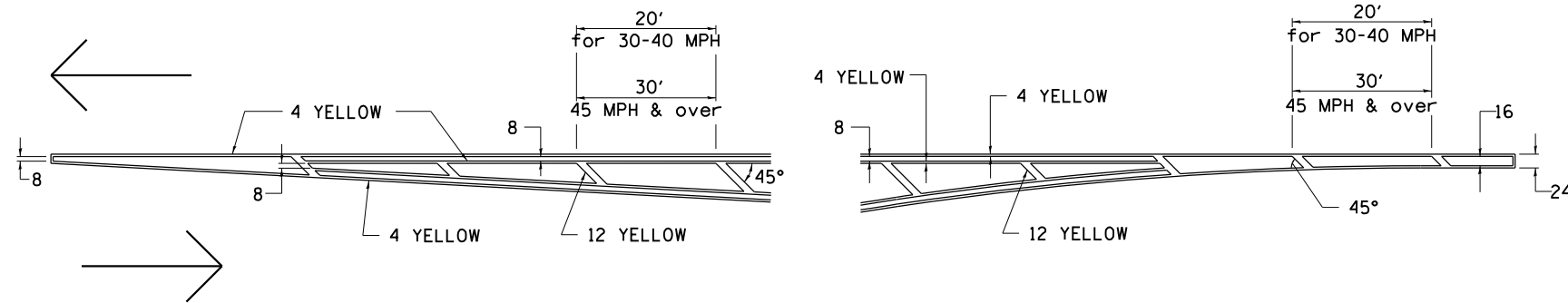
THIS TRAFFIC CONTROL DETAIL SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

CASE 4 APPLIES WHEN NO WORKERS ARE PRESENT. WHEN WORKERS ARE PRESENT, TWO LANES SHALL BE CLOSED AND TRAFFIC CONTROL SHALL BE ACCORDING TO CASE 3.

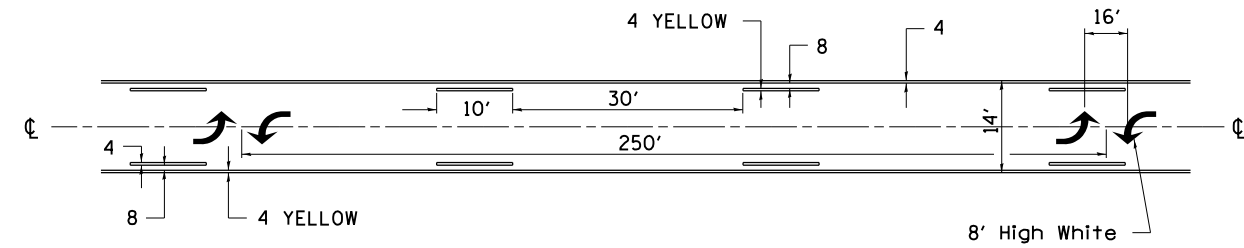
FILE NAME =	USER NAME = fasslermj	DESIGNED -	REVISED - 1-05-16	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
			REVISED - 8-27-13			301	26RS-7	JODAVIESS	54	36	
			REVISED - 7-30-13			CONTRACT NO. 64K60					
			REVISED -			ILLINOIS FED. AID PROJECT					
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -	SCALE:		SHEET NO. OF SHEETS		STA. TO STA.			
PLOT DATE = Jan-22-2018 01:43:31 PM		DATE -	REVISED -								

# TYPICAL PAVEMENT MARKINGS

## TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

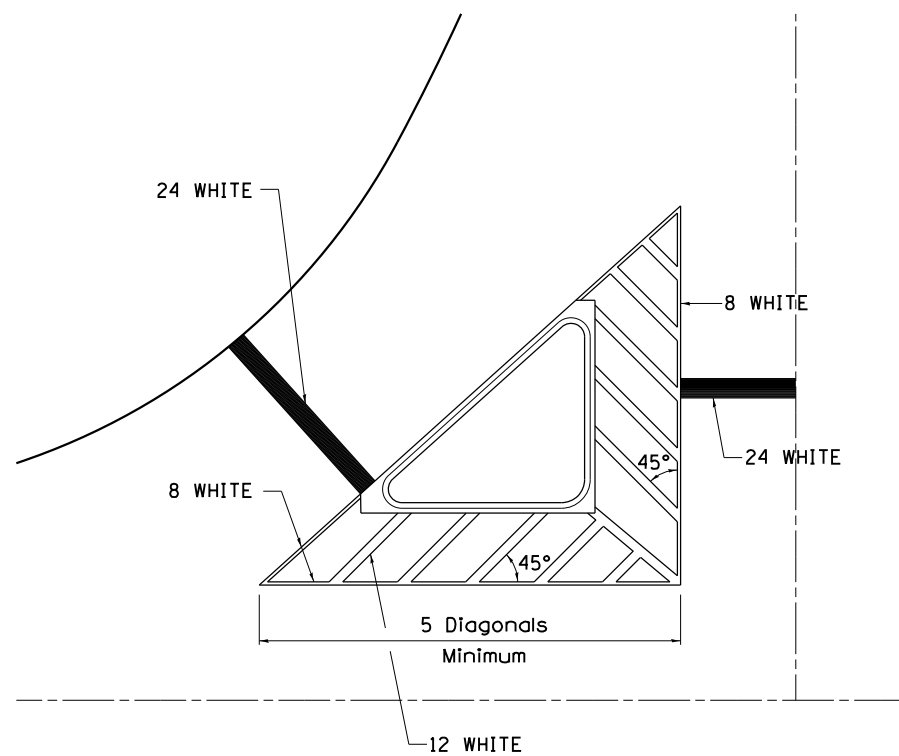


## MEDIAN PAVEMENT MARKING



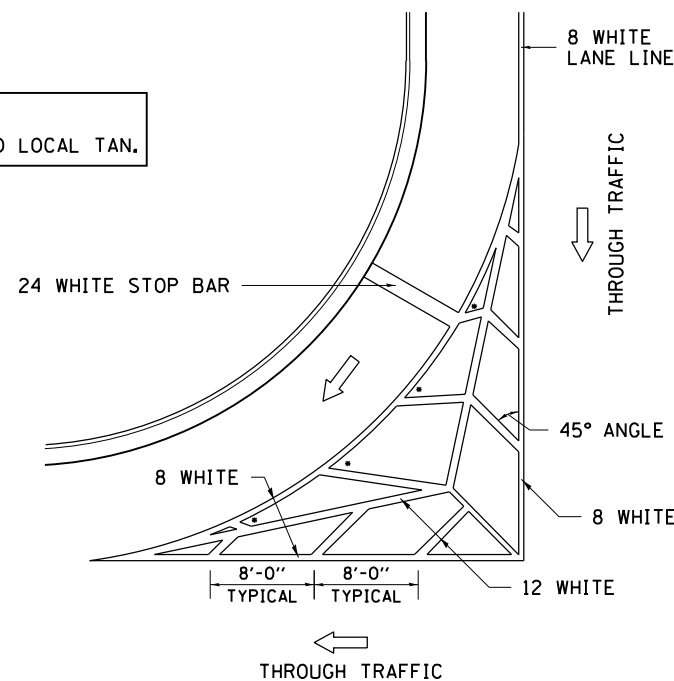
•• ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

## TYPICAL ISLAND OFFSET SHOULDER WIDTH



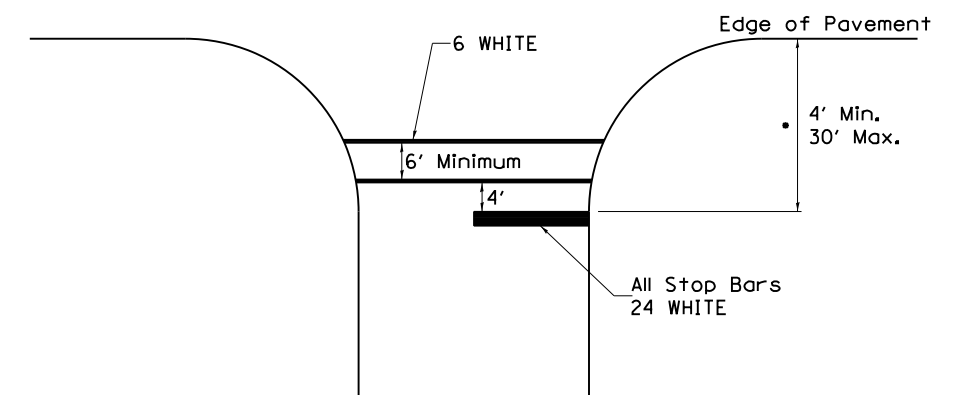
## TYPICAL MARKING FOR PAINTED ISLANDS

NOTE:  
\* 45° TO LOCAL TAN.



## STANDARD CROSSWALK MARKING

See Schedules for Locations

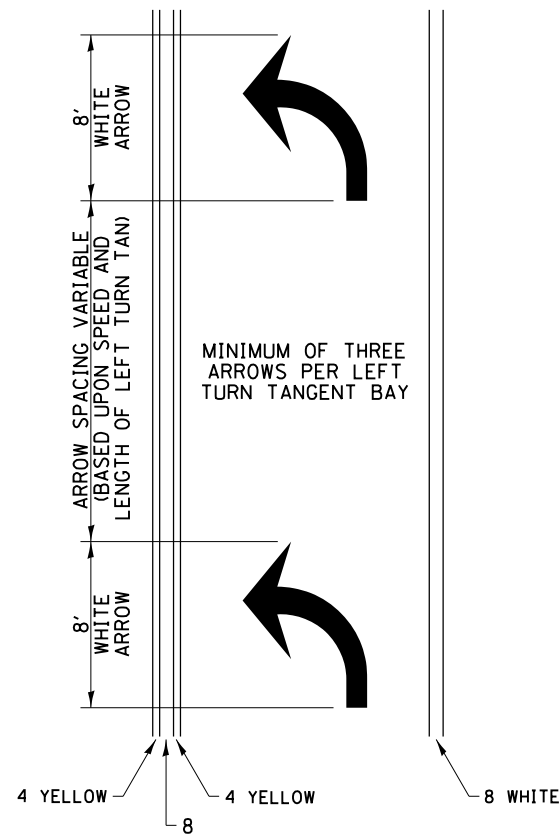


• Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

FILE NAME =	USER NAME = fasslermj	DESIGNED -	REVISED - 6-27-14	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 2\Projects\2207\Drawings\CA0sheets\0200715-shd-detail.dwg	DESIGNED -	REVISED - 3-05-12	301					26RS-7	JODAVIESS	54	37	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 64K60									
PLOT DATE = Jan-22-2018 01:44:02 PM	DATE -	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT									

# TYPICAL PAVEMENT MARKINGS

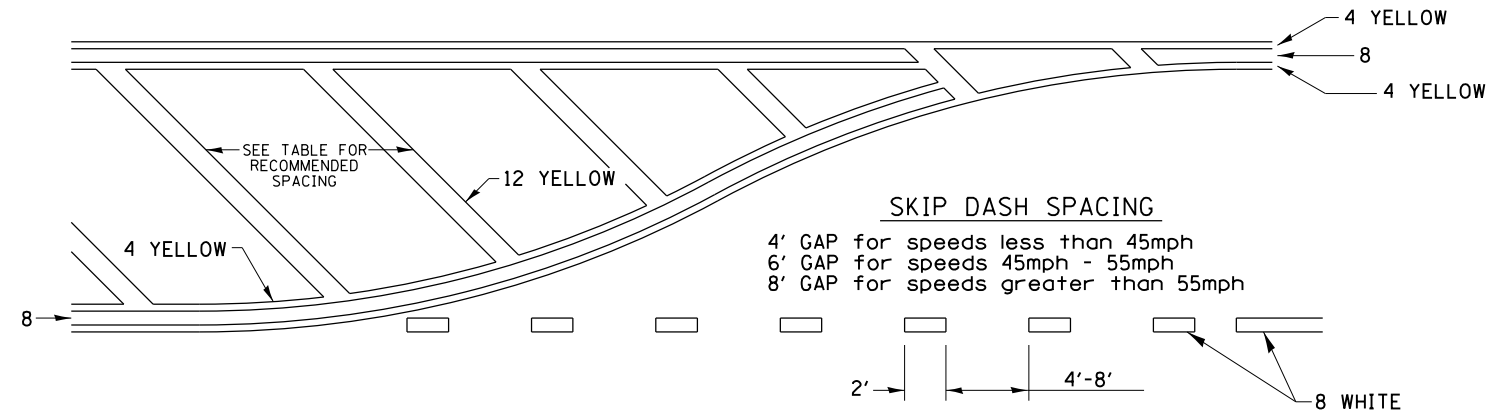
## ARROW LAYOUT



- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

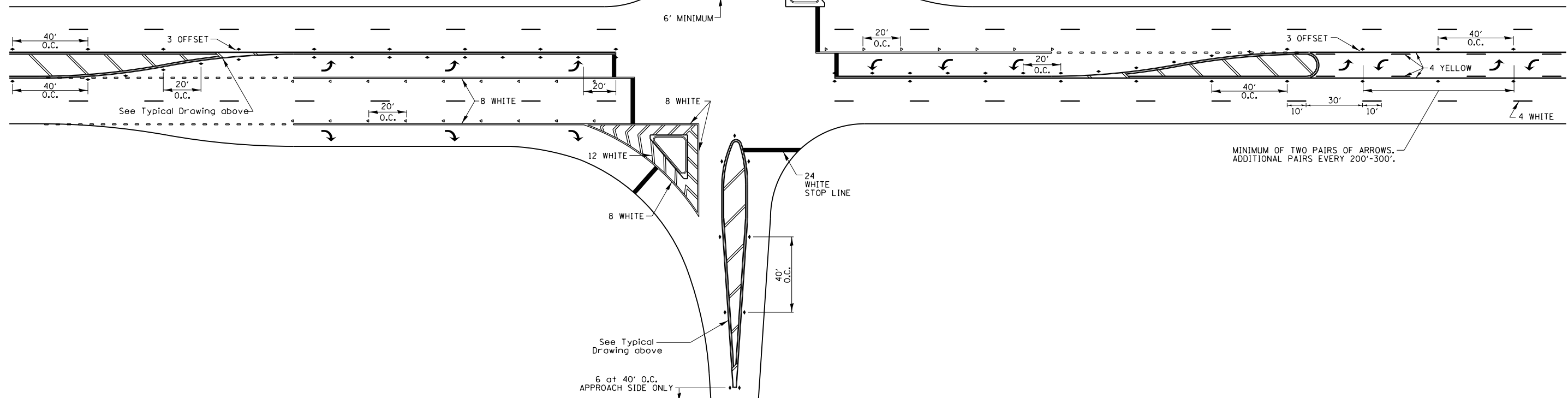
## TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



### RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 30MPH	50'	15'	10'
30-40MPH	75'	20'	15'
45MPH & over	75'	30'	20'

NOTE: if the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



FILE NAME =	USER NAME = fasslermj	DESIGNED -	REVISED - 6-27-14	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 64K60		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
PLOT DATE = Jan-22-2018 01:44:36 PM	DATE -	REVISED -	SCALE:		SHEET NO.	OF SHEETS	STA.	TO STA.				



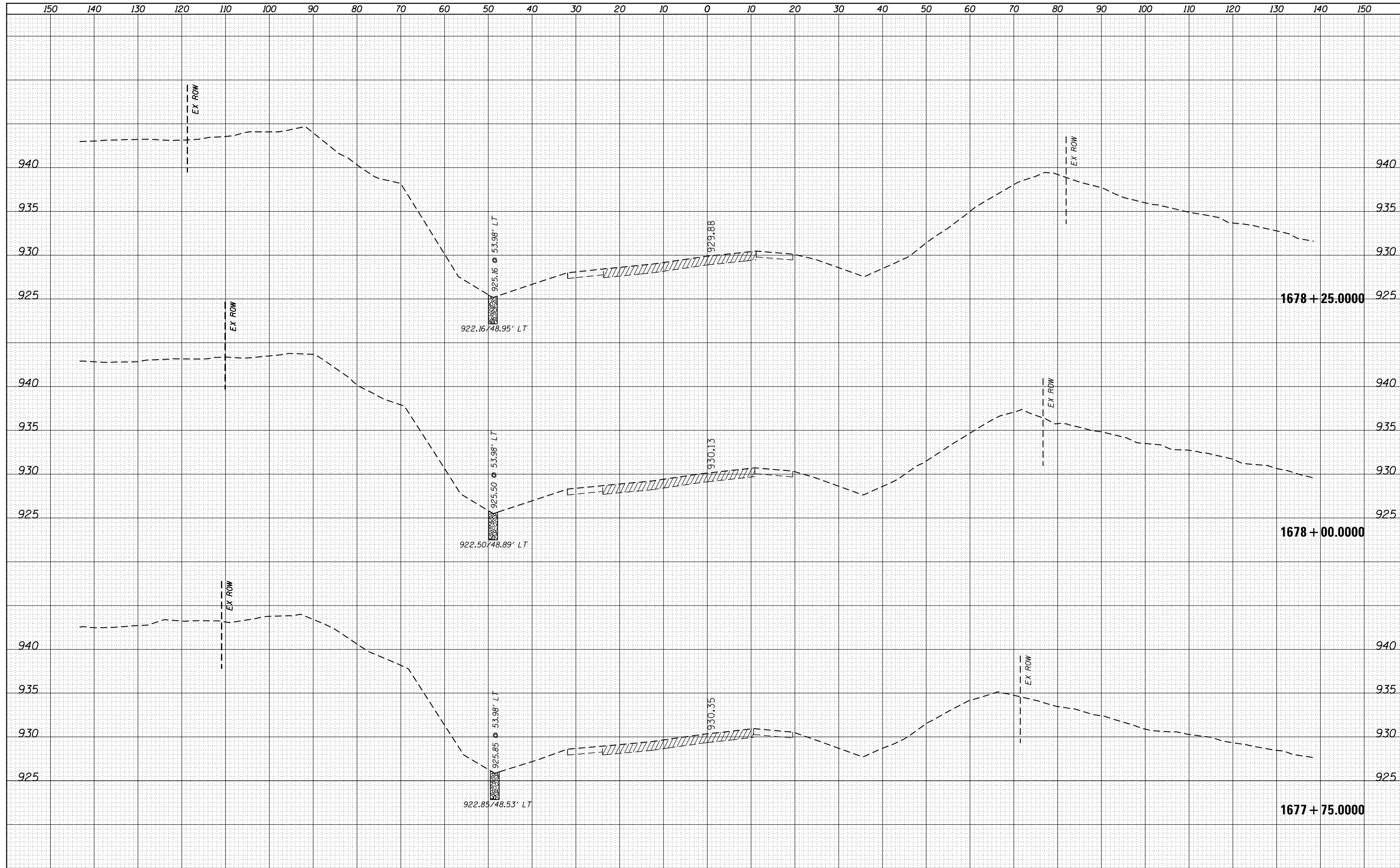






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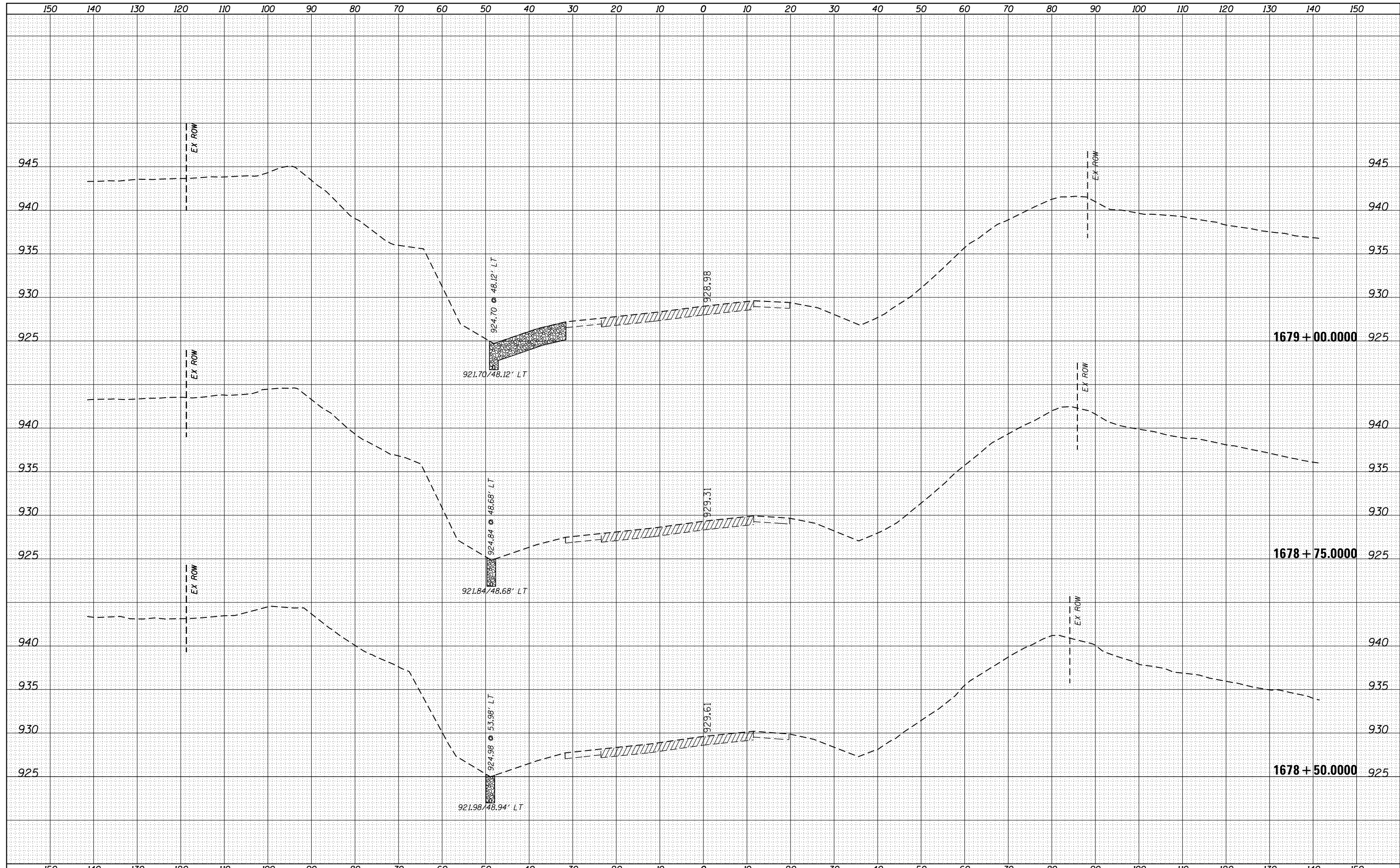
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TEMPLATE	
AREAS	
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FILE NAME =	USER NAME = fasslermj	DESIGNED -	REVISIED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>US 20</b> <b>CROSS SECTIONS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\1\084EBIDINTEG\Illinois.gov\PIDOT\Documents\DOT Offices\District 2\Projects\P200715\CAD\DRAWING\Drawings\200715-sht-xssht.dgn	DRAWN	REVISIED -	REVISIED -			301	26RS-7	JOAVIESS	54	42
Default	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISIED -			CONTRACT NO. 64K60				
	PLOT DATE = Jan-22-2018 01:59:06 PM	DATE -	REVISIED -			ILLINOIS FED. AID PROJECT				
SCALE: SHEET OF SHEETS STA. 1677+75.0000 TO STA.										

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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

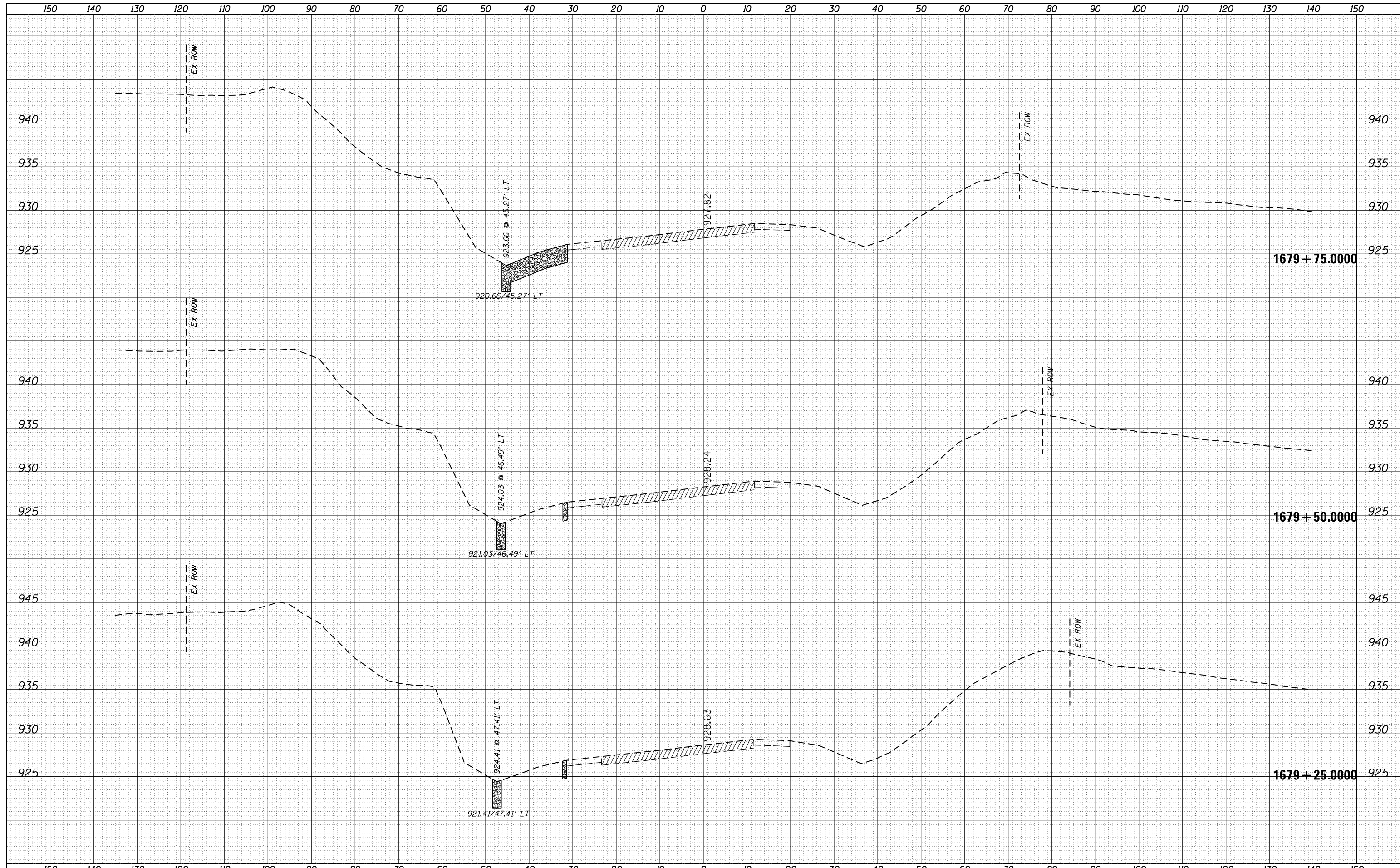
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



FILE NAME =	USER NAME = fasslermj	DESIGNED -	REVISIED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>US 20</b> <b>CROSS SECTIONS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISIED -					CONTRACT NO. 64K60				
	PLOT DATE = Jan-22-2018 01:59:41 PM	DATE -	REVISIED -					ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		

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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
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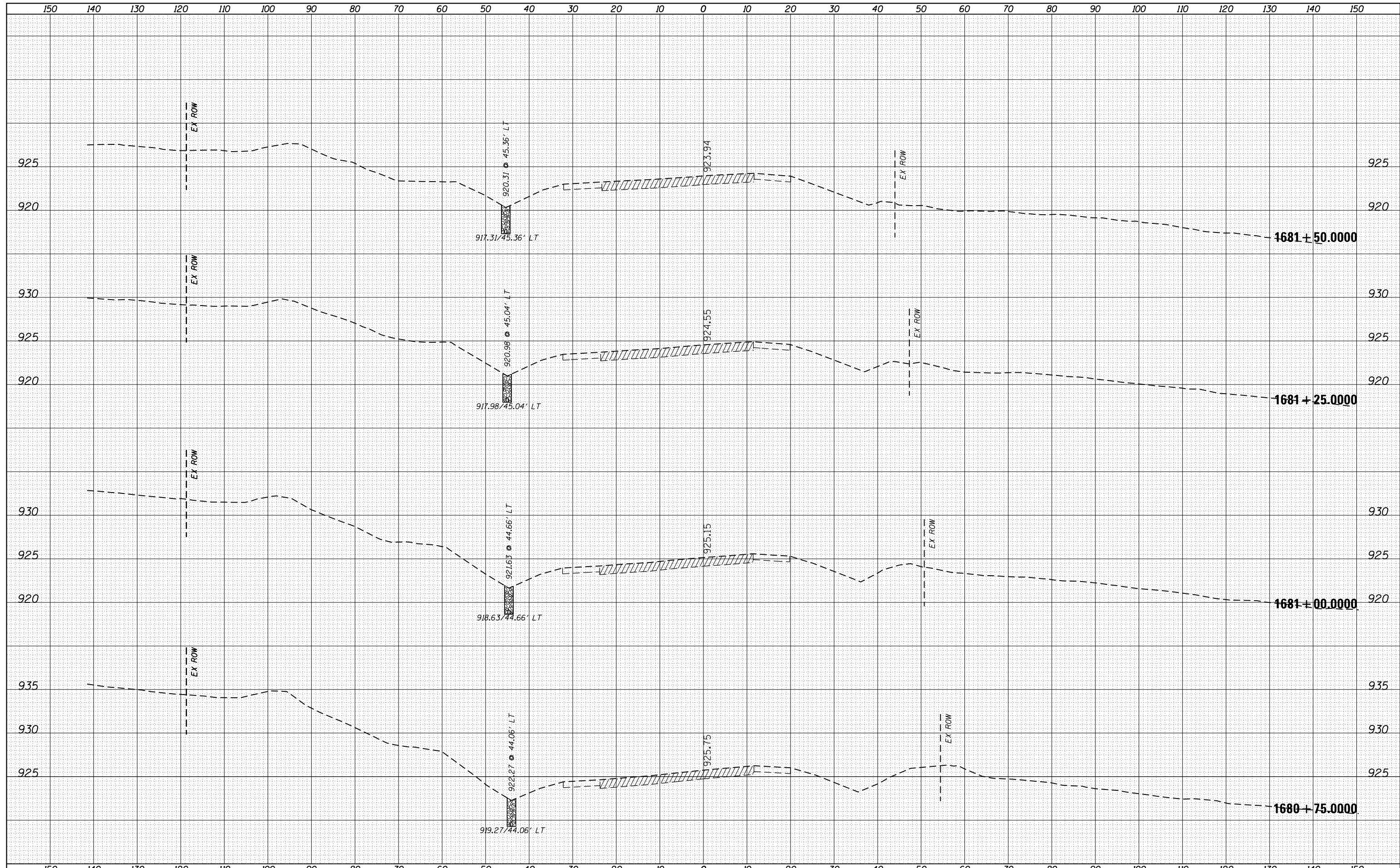


FILE NAME =	USER NAME = fasslermj	DESIGNED -	REVISIED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>US 20</b> <b>CROSS SECTIONS</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\1\084EBIDINTEG\Illinois.gov\PIDOT\Documents\IDOT Offices\District 2\Projects\P200715\CADD\Drawings\Drawings\200715-sht-xssh.dgn	DRAWN	REVISIED -	REVISIED -				301	26RS-7	JOAVIESS	54	44
Default	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISIED -				CONTRACT NO. 64K60				
	PLOT DATE = Jan-22-2018 02:00:08 PM	DATE -	REVISIED -				SCALE:	SHEET OF SHEETS	STA. TO STA. 1679+75.0000	ILLINOIS FED. AID PROJECT	



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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED

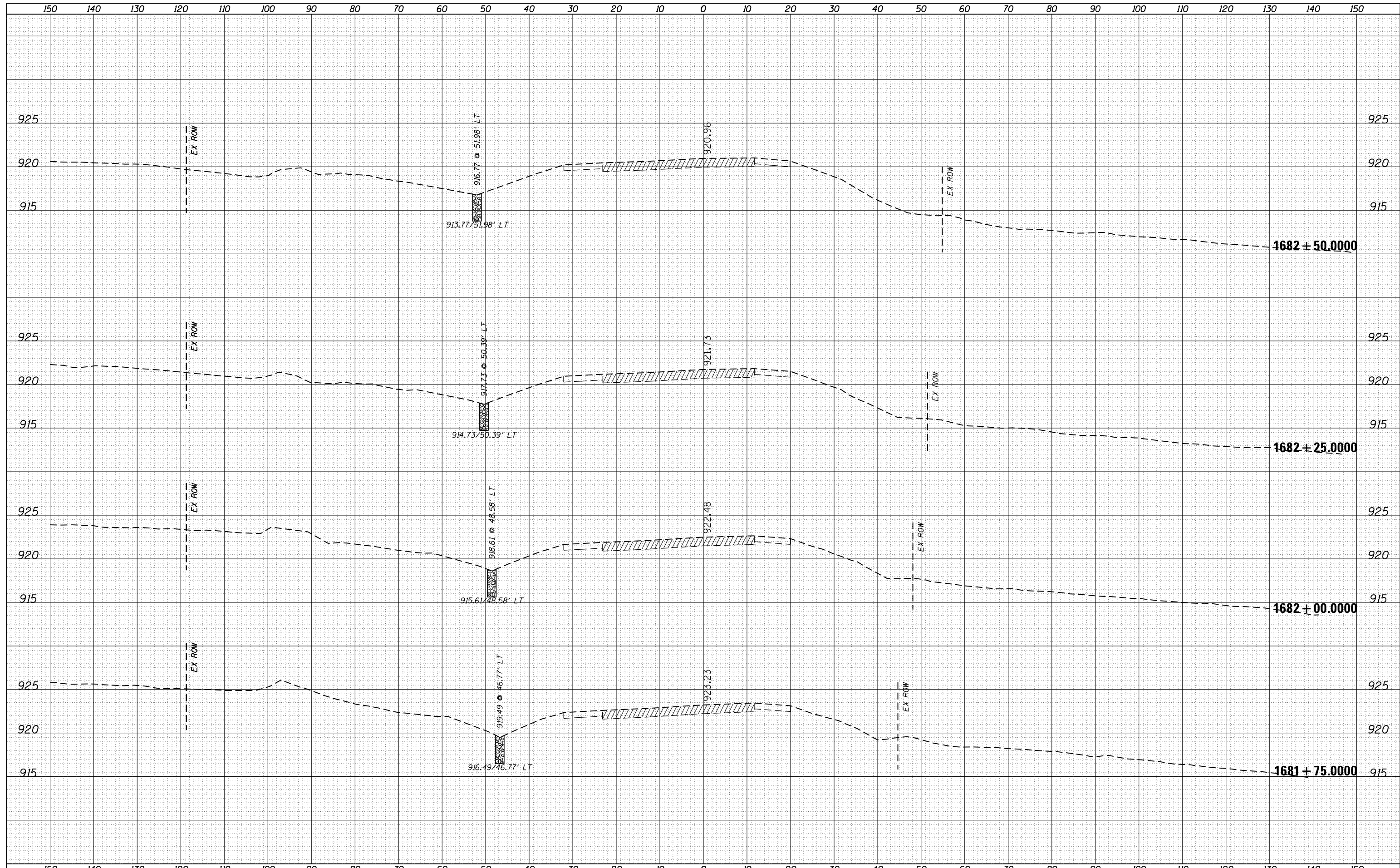
DATE	
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED



FILE NAME =	USER NAME = fosslermj	DESIGNED -	REVISIED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>US 20</b> <b>CROSS SECTIONS</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\1\084EBIDINTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 2\Projects\P200715\CADD\DRAWING\Drawings\200715-sht-xxsh.dgn		DRAWN	REVISIED -		301	26RS-7	JOAVIESS	54	46		
Default	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISIED -		CONTRACT NO. 64K60			ILLINOIS FED. AID PROJECT			
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DATE	
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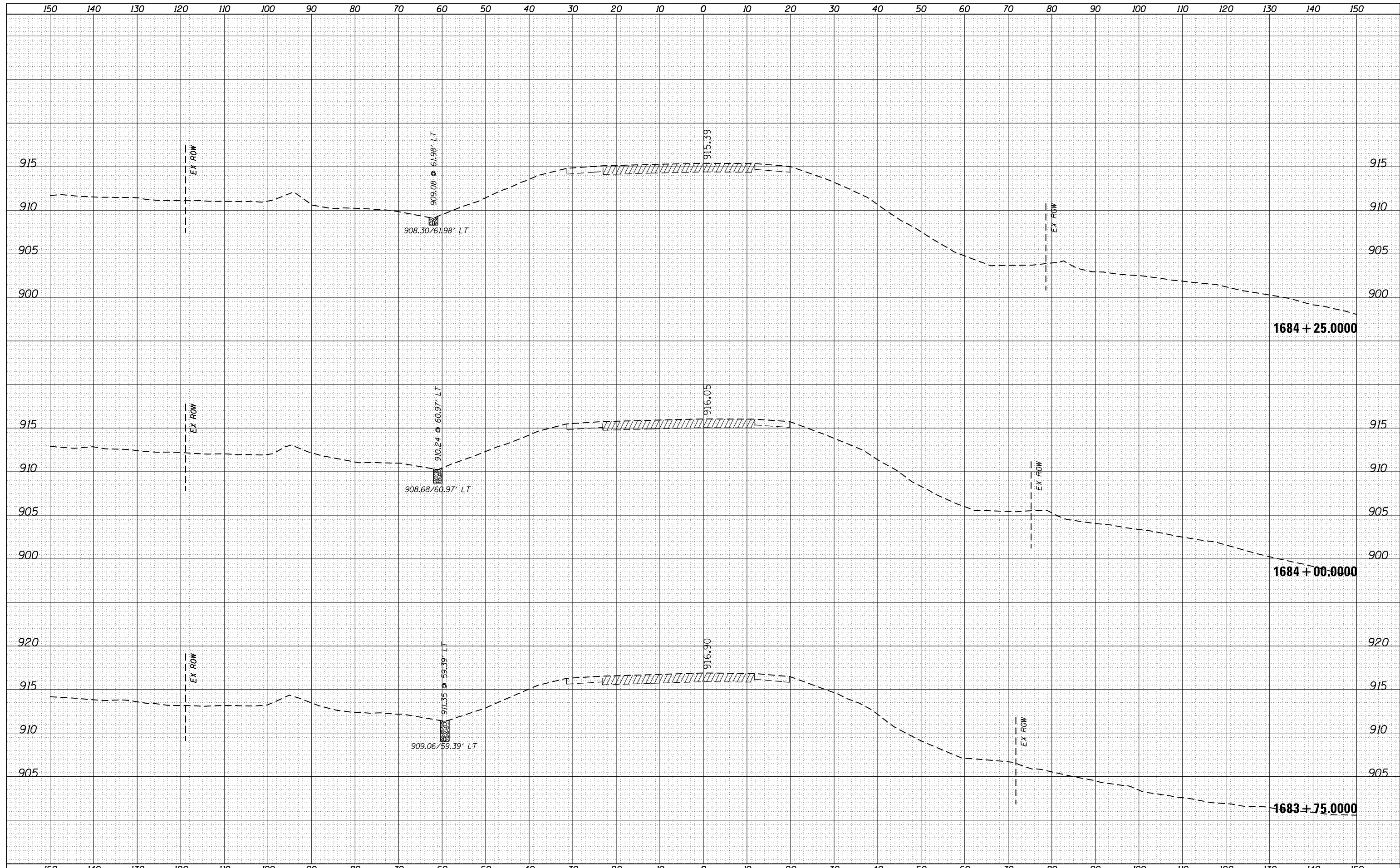
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p:\1\084EBIDINTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 2\Projects\200715\CAD\DRAWING\Drawings\200715-sht-xsht.dgn	DRAWN	REVISOR -	301					26RS-7	JOAVIESS	54	47	
Default	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISOR -					CONTRACT NO. 64K60				
	PLOT DATE = Jan-22-2018 02:01:51 PM	DATE -	REVISOR -					ILLINOIS FED. AID PROJECT				





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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
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FILE NAME =	USER NAME = fasslermj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>US 20</b> <b>CROSS SECTIONS</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\1\084EBIDINTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 2\Projects\200715\CAD\Drawings\Drawings\200715-sht-xxsh.dgn	DRAWN	REVISED -	REVISED -				301	26RS-7	JOAVIESS	54	49
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	PLOT DATE = Jan-22-2018 02:02:55 PM	DATE -	REVISED -				ILLINOIS FED. AID PROJECT				
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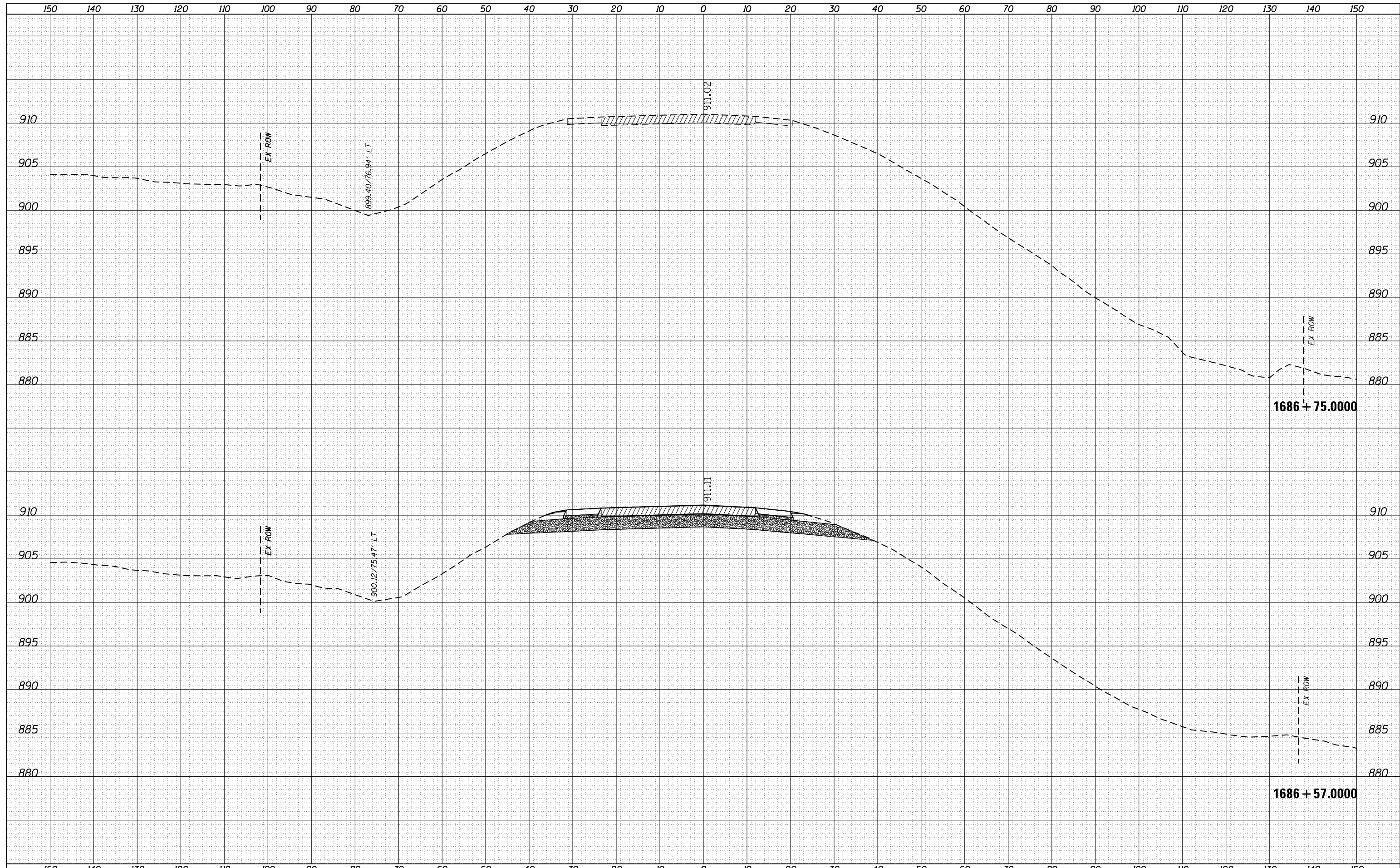






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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



FILE NAME =	USER NAME = fasslermj	DESIGNED -	REVISIED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>US 20</b> <b>CROSS SECTIONS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\1\084EBIDINTEG\Illinois.gov\PIWIDOT\Documents\IDOT Offices\District 2\Projects\P200715\CADD\DRAWING\Drawings\200715-sht-xxsh.dgn	DRAWN	REVISIED -	REVISIED -					301	26RS-7	JOAVIESS	54	54
Default	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISIED -		CONTRACT NO. 64K60			ILLINOIS FED. AID PROJECT				
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